Appendix C. Monitoring Results

Air Quality Monitoring Results

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

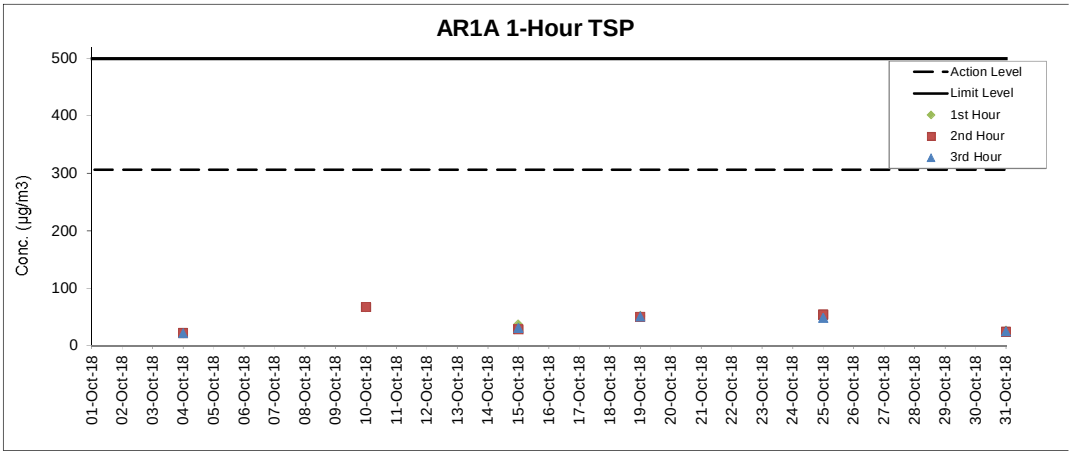
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Oct-18	8:59	Sunny	5.9	355	22	306	500
04-Oct-18	9:59	Sunny	5.9	346	22	306	500
04-Oct-18	10:59	Sunny	4.5	329	22	306	500
10-Oct-18	8:56	Cloudy	2.6	49	67	306	500
10-Oct-18	9:56	Cloudy	3.1	44	67	306	500
10-Oct-18	10:56	Rainy	2.0	323	NA*	306	500
15-Oct-18	09:01	Fine	3.9	115	37	306	500
15-Oct-18	10:01	Fine	6.9	90	28	306	500
15-Oct-18	11:01	Fine	6.5	105	31	306	500
19-Oct-18	09:03	Sunny	8.2	95	52	306	500
19-Oct-18	10:03	Sunny	8.7	98	50	306	500
19-Oct-18	11:03	Sunny	9.0	92	51	306	500
25-Oct-18	9:07	Sunny	5.6	88	52	306	500
25-Oct-18	10:07	Sunny	5.7	108	54	306	500
25-Oct-18	11:07	Sunny	4.7	97	48	306	500
31-Oct-18	9:01	Sunny	4.0	22	26	306	500
31-Oct-18	10:01	Sunny	6.8	357	24	306	500
31-Oct-18	11:01	Sunny	6.9	357	25	306	500

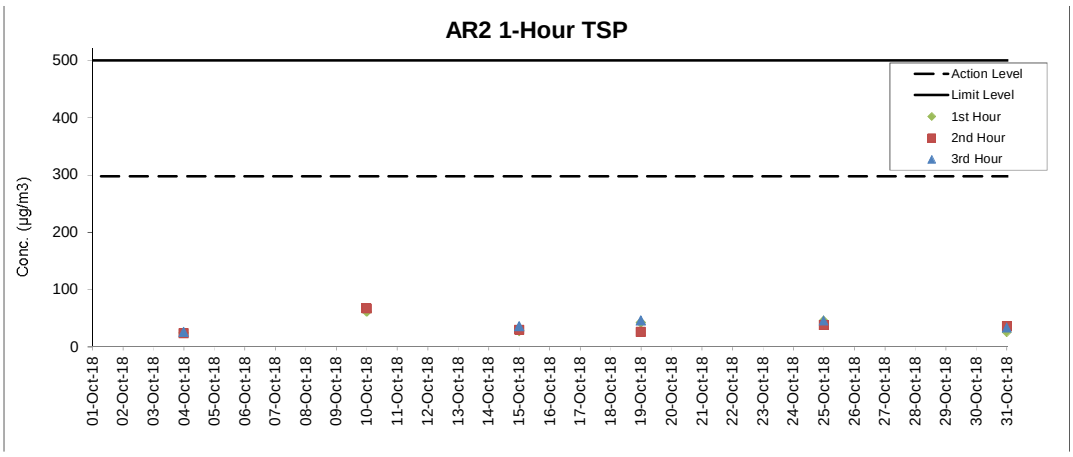
NA*: Abnormal result, which may be caused by malfunction of monitoring equipment during inclement weather, was recorded. The measurement result was discarded after review.

1-hour TSP Results
Station: AR2 - Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Oct-18	8:45	Fine	5.6	357	25	298	500
04-Oct-18	9:45	Fine	5.3	343	24	298	500
04-Oct-18	10:45	Fine	5.9	332	26	298	500
10-Oct-18	8:54	Cloudy	2.8	47	62	298	500
10-Oct-18	9:54	Cloudy	3.2	44	67	298	500
10-Oct-18	10:54	Rainy	1.6	344	NA*	298	500
15-Oct-18	08:46	Sunny	3.8	151	28	298	500
15-Oct-18	9:46	Sunny	6.9	90	30	298	500
15-Oct-18	10:46	Sunny	6.9	101	36	298	500
19-Oct-18	9:00	Fine	7.9	93	43	298	500
19-Oct-18	10:00	Fine	8.8	97	26	298	500
19-Oct-18	11:00	Fine	9.1	92	46	298	500
25-Oct-18	8:50	Cloudy	6.1	87	46	298	500
25-Oct-18	9:50	Cloudy	4.8	108	38	298	500
25-Oct-18	10:50	Cloudy	5.2	97	46	298	500
31-Oct-18	8:48	Sunny	5.0	28	26	298	500
31-Oct-18	9:48	Sunny	6.6	355	36	298	500
31-Oct-18	10:48	Sunny	6.7	358	34	298	500

NA*: Abnormal result, which may be caused by malfunction of monitoring equipment during inclement weather, was recorded. The measurement result was discarded after review.





Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Oct-18	Sunny	9:11	72.5	54.5	71
04-Oct-18	Sunny	9:16	71.5	54.5	
04-Oct-18	Sunny	9:21	73.0	56.0	
04-Oct-18	Sunny	9:26	70.0	53.5	
04-Oct-18	Sunny	9:31	72.0	53.5	
04-Oct-18	Sunny	9:36	71.5	54.5	
10-Oct-18	Fine	9:09	71.5	54.0	71
10-Oct-18	Fine	9:14	72.0	54.0	
10-Oct-18	Fine	9:19	72.5	54.0	
10-Oct-18	Fine	9:24	71.5	53.5	
10-Oct-18	Fine	9:29	72.5	53.5	
10-Oct-18	Fine	9:34	72.0	53.0	
15-Oct-18	Sunny	9:17	72.0	54.5	70
15-Oct-18	Sunny	9:22	71.5	54.5	
15-Oct-18	Sunny	9:27	70.0	51.5	
15-Oct-18	Sunny	9:32	72.0	53.5	
15-Oct-18	Sunny	9:37	70.5	54.5	
15-Oct-18	Sunny	9:42	69.5	54.5	
25-Oct-18	Sunny	9:26	72.0	53.0	71
25-Oct-18	Sunny	9:31	73.0	57.0	
25-Oct-18	Sunny	9:36	71.5	54.0	
25-Oct-18	Sunny	9:41	72.5	55.5	
25-Oct-18	Sunny	9:46	69.5	53.5	
25-Oct-18	Sunny	9:51	72.0	53.5	
31-Oct-18	Sunny	9:23	73.0	55.5	72
31-Oct-18	Sunny	9:28	72.5	55.0	
31-Oct-18	Sunny	9:33	72.0	54.5	
31-Oct-18	Sunny	9:38	73.5	55.5	
31-Oct-18	Sunny	9:43	70.0	53.5	
31-Oct-18	Sunny	9:48	74.5	57.0	

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Oct-18	Sunny	13:27	66.5	59.5	66
04-Oct-18	Sunny	13:32	65.5	59.5	
04-Oct-18	Sunny	13:37	64.5	60.0	
04-Oct-18	Sunny	13:42	64.5	59.0	
04-Oct-18	Sunny	13:47	64.0	60.0	
04-Oct-18	Sunny	13:52	63.5	60.5	
10-Oct-18	Cloudy	13:48	64.0	62.0	66
10-Oct-18	Cloudy	13:53	64.5	62.0	
10-Oct-18	Cloudy	13:58	65.0	62.0	
10-Oct-18	Cloudy	14:03	64.0	61.0	
10-Oct-18	Cloudy	14:08	64.0	61.5	
10-Oct-18	Cloudy	14:13	64.0	61.0	
15-Oct-18	Fine	14:46	63.5	59.5	65
15-Oct-18	Fine	14:51	65.0	59.0	
15-Oct-18	Fine	14:56	63.5	59.5	
15-Oct-18	Fine	15:01	64.5	59.0	
15-Oct-18	Fine	15:06	63.0	58.5	
15-Oct-18	Fine	15:11	63.5	59.0	
25-Oct-18	Sunny	13:50	62.5	58.5	64
25-Oct-18	Sunny	13:55	63.0	58.5	
25-Oct-18	Sunny	14:00	63.0	58.5	
25-Oct-18	Sunny	14:05	62.5	58.5	
25-Oct-18	Sunny	14:10	62.5	58.5	
25-Oct-18	Sunny	14:15	62.5	59.0	
31-Oct-18	Sunny	13:31	63.5	59.0	65
31-Oct-18	Sunny	13:36	64.0	59.0	
31-Oct-18	Sunny	13:41	65.0	59.5	
31-Oct-18	Sunny	13:46	63.5	59.0	
31-Oct-18	Sunny	13:51	63.5	58.5	
31-Oct-18	Sunny	13:56	65.0	59.0	

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

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

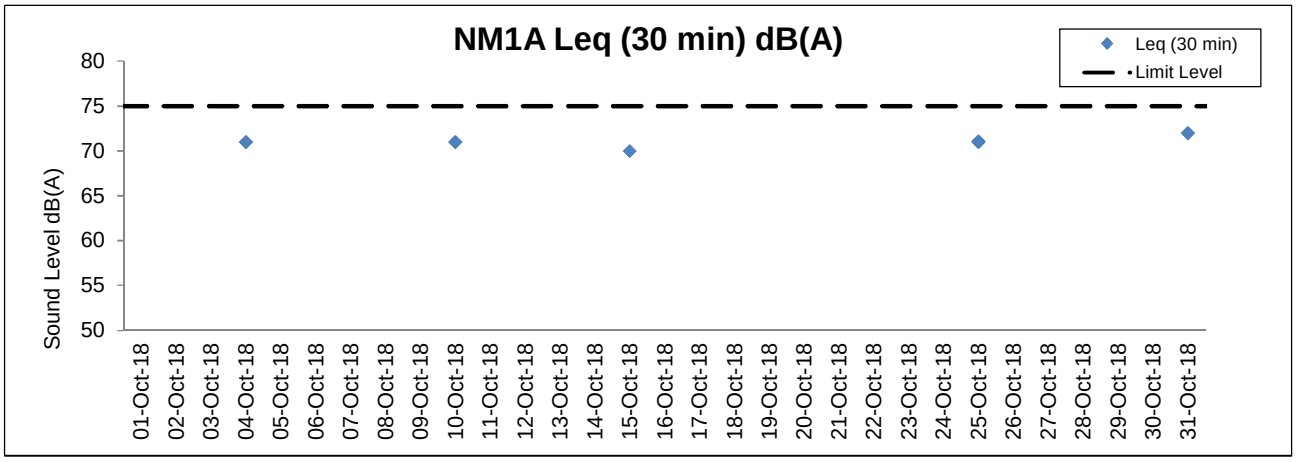
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Oct-18	Fine	8:47	56.0	51.0	53
04-Oct-18	Fine	8:52	61.0	50.0	
04-Oct-18	Fine	8:57	58.5	50.0	
04-Oct-18	Fine	9:02	59.5	52.0	
04-Oct-18	Fine	9:07	60.5	53.0	
04-Oct-18	Fine	9:12	58.0	50.5	
10-Oct-18	Fine	8:49	54.5	42.0	55
10-Oct-18	Fine	8:54	50.5	42.5	
10-Oct-18	Fine	8:59	52.0	43.5	
10-Oct-18	Fine	9:04	53.5	42.5	
10-Oct-18	Fine	9:09	50.5	42.5	
10-Oct-18	Fine	9:14	57.5	43.0	
15-Oct-18	Sunny	8:53	52.0	42.0	52
15-Oct-18	Sunny	8:58	53.0	43.0	
15-Oct-18	Sunny	9:03	54.5	42.0	
15-Oct-18	Sunny	9:08	51.0	43.5	
15-Oct-18	Sunny	9:13	49.5	42.0	
15-Oct-18	Sunny	9:18	49.5	43.0	
25-Oct-18	Cloudy	9:06	56.0	49.0	59
25-Oct-18	Cloudy	9:11	58.0	49.5	
25-Oct-18	Cloudy	9:16	58.0	49.5	
25-Oct-18	Cloudy	9:21	59.5	48.5	
25-Oct-18	Cloudy	9:26	56.0	49.5	
25-Oct-18	Cloudy	9:31	55.0	49.0	
31-Oct-18	Sunny	9:08	63.0	54.0	57
31-Oct-18	Sunny	9:13	61.5	53.5	
31-Oct-18	Sunny	9:18	62.0	54.0	
31-Oct-18	Sunny	9:23	60.5	52.5	
31-Oct-18	Sunny	9:28	58.0	52.5	
31-Oct-18	Sunny	9:33	58.5	52.0	

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
02-Oct-18	Sunny	9:40	76.0	58.5	70
02-Oct-18	Sunny	9:45	68.5	57.0	
02-Oct-18	Sunny	9:50	74.5	56.0	
02-Oct-18	Sunny	9:55	72.0	57.5	
02-Oct-18	Sunny	10:00	75.5	57.0	
02-Oct-18	Sunny	10:05	71.0	55.0	
08-Oct-18	Sunny	9:44	63.0	55.5	68
08-Oct-18	Sunny	9:49	72.5	55.5	
08-Oct-18	Sunny	9:54	65.0	54.0	
08-Oct-18	Sunny	9:59	68.5	52.0	
08-Oct-18	Sunny	10:04	71.0	53.0	
08-Oct-18	Sunny	10:09	67.5	51.5	
19-Oct-18	Fine	9:41	63.5	54.0	62
19-Oct-18	Fine	9:46	64.0	56.0	
19-Oct-18	Fine	9:51	67.0	55.0	
19-Oct-18	Fine	9:56	72.5	61.0	
19-Oct-18	Fine	10:01	69.5	54.0	
19-Oct-18	Fine	10:06	71.5	54.0	
23-Oct-18	Cloudy	9:52	72.5	56.5	68
23-Oct-18	Cloudy	9:57	75.0	58.5	
23-Oct-18	Cloudy	10:02	72.5	59.0	
23-Oct-18	Cloudy	10:07	69.0	55.5	
23-Oct-18	Cloudy	10:12	68.0	52.5	
23-Oct-18	Cloudy	10:17	67.0	53.0	
29-Oct-18	Sunny	9:48	73.0	59.5	70
29-Oct-18	Sunny	9:53	71.5	61.5	
29-Oct-18	Sunny	9:58	68.5	57.0	
29-Oct-18	Sunny	10:03	74.0	60.0	
29-Oct-18	Sunny	10:08	73.5	59.5	
29-Oct-18	Sunny	10:13	74.0	57.0	

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


NM1A Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Oct-18
02-Oct-18
03-Oct-18
04-Oct-18
05-Oct-18
06-Oct-18
07-Oct-18
08-Oct-18
09-Oct-18
10-Oct-18
11-Oct-18
12-Oct-18
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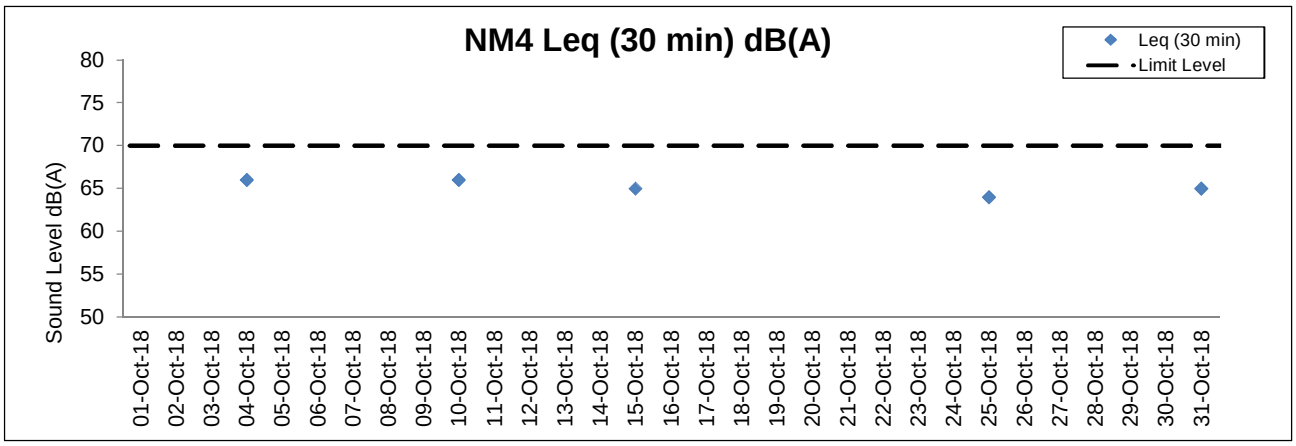
31-Oct-18


NM4 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Oct-18
02-Oct-18
03-Oct-18
04-Oct-18
05-Oct-18
06-Oct-18
07-Oct-18
08-Oct-18
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15-Oct-18
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22-Oct-18
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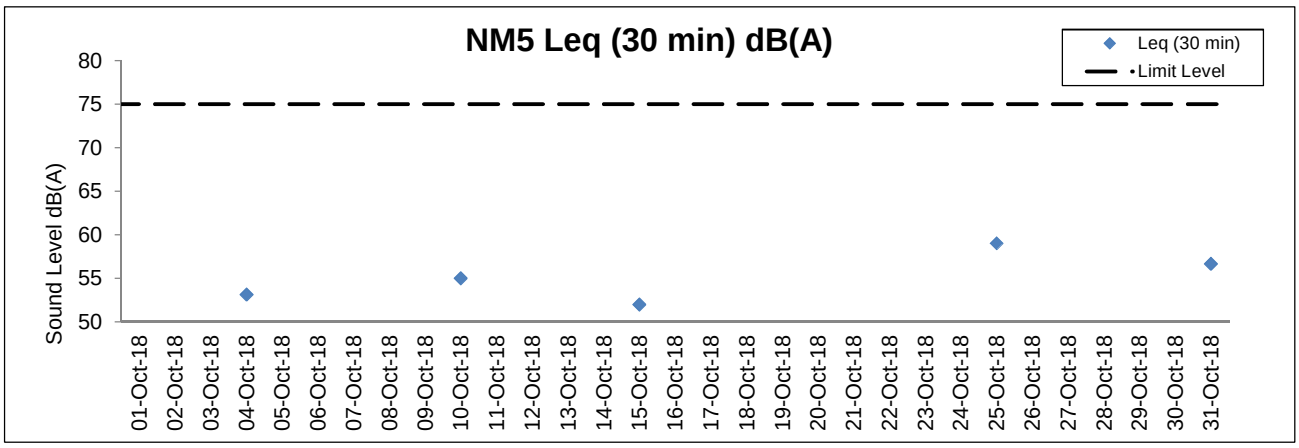
31-Oct-18


NM5 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Oct-18
02-Oct-18
03-Oct-18
04-Oct-18
05-Oct-18
06-Oct-18
07-Oct-18
08-Oct-18
09-Oct-18
10-Oct-18
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12-Oct-18
13-Oct-18
14-Oct-18
15-Oct-18
16-Oct-18
17-Oct-18
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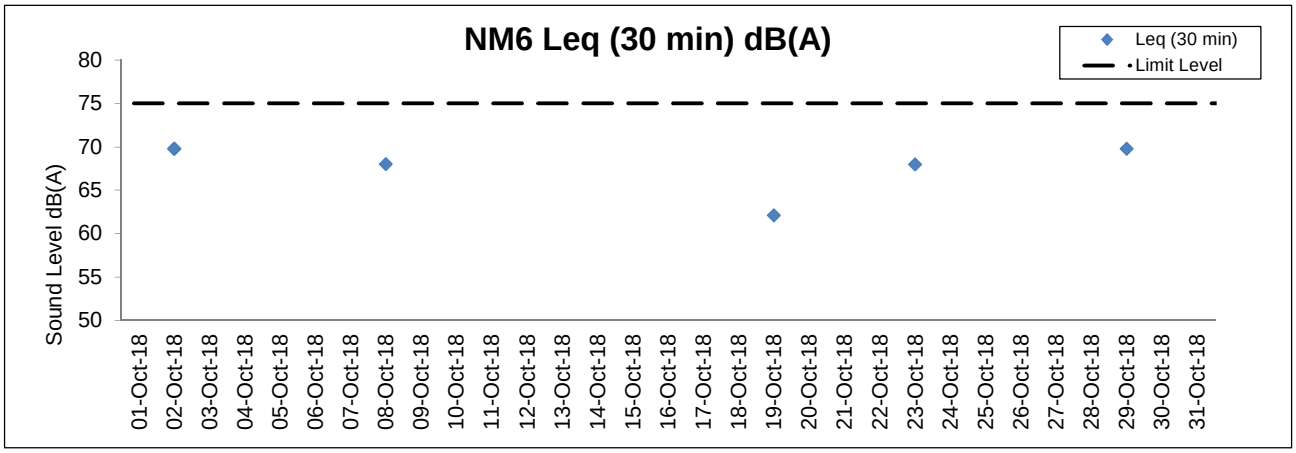
31-Oct-18


NM6 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Oct-18
02-Oct-18
03-Oct-18
04-Oct-18
05-Oct-18
06-Oct-18
07-Oct-18
08-Oct-18
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12-Oct-18
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17-Oct-18
18-Oct-18
19-Oct-18
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21-Oct-18
22-Oct-18
23-Oct-18
24-Oct-18
25-Oct-18
26-Oct-18
27-Oct-18
28-Oct-18
29-Oct-18
30-Oct-18
31-Oct-18

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 October 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	18:00	8.6	Surface	1.0	0.6	250	28.4	28.4	8.1	8.1	20.2	20.2	86.4	86.4	6.0	5.9	2.9	6.3	4	6	90	94	815594	804259	<0.2	<0.2	1.6	1.5
						1.0	0.6	268	28.4		8.1		20.2		86.3		6.0		2.9		4		91				<0.2		1.5	
					Middle	4.3	0.2	144	27.6	27.6	8.1	8.1	23.8	23.7	82.5	82.5	5.7		6.0		6		94				<0.2		1.5	
						4.3	0.2	151	27.6		8.1		23.6		82.5		5.7		6.1		6		94				<0.2		1.6	
					Bottom	7.6	0.1	281	27.7	27.7	8.2	8.2	25.9	25.9	82.8	82.8	5.6	5.6	10.1		6		97				<0.2		1.5	
						7.6	0.1	293	27.7		8.2		25.9		82.8		5.6		9.9		7		97				<0.2		1.5	
C2	Fine	Moderate	16:54	12.0	Surface	1.0	0.2	25	28.1	28.1	8.1	8.1	21.4	21.4	77.8	77.8	5.4	5.3	8.7	11.1	5	6	84	87	825668	806922	<0.2	<0.2	2.3	2.4
						1.0	0.2	27	28.1		8.1		21.4		77.7		5.4		8.8		5		85				<0.2		2.4	
					Middle	6.0	0.2	21	27.7	27.7	8.1	8.1	23.7	23.7	74.9	74.9	5.2		9.9		6		87				<0.2		2.4	
						6.0	0.2	21	27.7		8.1		23.7		74.8		5.2		10.0		6		88				<0.2		2.4	
					Bottom	11.0	0.2	316	27.6	27.6	8.2	8.2	25.6	25.6	75.2	75.3	5.1	5.1	14.4		7		89				<0.2		2.3	
						11.0	0.2	328	27.6		8.2		25.6		75.3		5.1		14.5		8		89				<0.2		2.3	
C3	Cloudy	Moderate	18:36	12.6	Surface	1.0	0.1	154	27.8	27.8	8.2	8.2	26.7	26.7	81.1	81.1	5.5	5.4	6.9	9.4	6	6	88	91	822080	817807	<0.2	<0.2	2.5	2.5
						1.0	0.1	165	27.8		8.2		26.6		81.1		5.5		6.9		5		88				<0.2		2.4	
					Middle	6.3	0.1	167	27.6	27.6	8.2	8.2	27.2	27.2	76.7	76.8	5.2		8.4		6		91				<0.2		2.4	
						6.3	0.1	180	27.6		8.2		27.2		76.8		5.2		8.4		6		91				<0.2		2.5	
					Bottom	11.6	0.1	279	27.4	27.4	8.2	8.2	27.9	27.9	76.9	77.0	5.2	5.2	12.9		6		93				<0.2		2.5	
						11.6	0.1	294	27.4		8.2		27.9		77.0		5.2		12.9		6		93				<0.2		2.6	
IM1	Fine	Moderate	17:43	5.3	Surface	1.0	0.2	177	28.4	28.4	8.1	8.1	20.2	20.2	86.5	86.5	6.0	6.0	2.8	3.5	4	4	89	91	817957	807133	<0.2	<0.2	1.6	1.5
						1.0	0.2	177	28.4		8.1		20.2		86.4		6.0		2.8		3		89				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	180	27.6	27.6	8.1	8.1	22.7	22.7	83.4	83.4	5.8	5.8	4.1		6		92				<0.2		1.4	
						4.3	0.2	183	27.6		8.1		22.7		83.4		5.8		4.1		4		92				<0.2		1.4	
IM2	Fine	Moderate	17:35	7.5	Surface	1.0	0.2	222	28.4	28.4	8.1	8.1	20.2	20.2	86.7	86.7	6.0	5.9	2.8	4.8	5	5	86	91	818147	806149	<0.2	<0.2	1.5	1.4
						1.0	0.2	243	28.4		8.1		20.2		86.6		6.0		2.7		4		86				<0.2		1.4	
					Middle	3.8	0.3	216	27.7	27.7	8.1	8.1	22.2	22.2	83.8	83.8	5.8		4.1		6		91				<0.2		1.4	
						3.8	0.3	236	27.7		8.1		22.2		83.8		5.8		4.1		6		91				<0.2		1.5	
					Bottom	6.5	0.2	0	27.7	27.7	8.1	8.1	25.4	25.4	84.2	84.2	5.8	5.8	7.5		6		94				<0.2		1.4	
						6.5	0.2	0	27.7		8.1		25.4		84.2		5.8		7.4		5		95				<0.2		1.4	
IM3	Fine	Moderate	17:28	8.2	Surface	1.0	0.2	233	28.4	28.4	8.1	8.1	20.2	20.2	86.6	86.6	6.0	6.0	2.7	5.2	5	6	87	91	818782	805621	<0.2	<0.2	1.4	1.5
						1.0	0.2	242	28.4		8.1		20.2		86.5		6.0		2.8		6		88				<0.2		1.6	
					Middle	4.1	0.2	140	27.7	27.7	8.1	8.1	22.1	22.1	84.5	84.5	5.9		3.8		5		90				<0.2		1.5	
						4.1	0.2	143	27.7		8.1		22.1		84.5		5.9		3.9		6		91				<0.2		1.4	
					Bottom	7.2	0.1	149	27.8	27.8	8.1	8.1	25.6	25.6	84.6	84.6	5.8	5.8	8.9		6		95				<0.2		1.4	
						7.2	0.1	152	27.8		8.1		25.6		84.6		5.8		8.8		6		95				<0.2		1.5	
IM4	Fine	Moderate	17:19	7.8	Surface	1.0	0.1	316	27.9	27.9	8.2	8.2	24.0	24.0	87.1	87.1	6.0	5.8	6.2	16.9	6	6	90	94	819707	804632	<0.2	<0.2	1.5	1.4
						1.0	0.1	332	27.9		8.2		24.0		87.0		6.0		6.3		6		91				<0.2		1.4	
					Middle	3.9	0.1	99	27.5	27.5	8.2	8.2	26.8	26.8	80.7	80.8	5.5		20.4		6		94				<0.2		1.4	
						3.9	0.1	106	27.5		8.2		26.8		80.8		5.5		20.5		6		95				<0.2		1.5	
					Bottom	6.8	0.1	116	27.5	27.5	8.2	8.2	26.9	26.9	81.5	81.5	5.5	5.5	24.1		7		97				<0.2		1.5	
						6.8	0.1	126	27.5		8.2		26.9		81.5		5.5		23.8		7		98				<0.2		1.3	
IM5	Fine	Moderate	17:10	7.3	Surface	1.0	0.2	15	27.9	27.9	8.2	8.2	24.7	24.7	86.5	86.5	5.9	5.8	7.1	20.2	6	7	87	92	820734	804892	<0.2	<0.2	1.4	1.4
						1.0	0.2	16	27.9		8.2		24.7		86.4		5.9		7.2		6		88				<0.2		1.4	
					Middle	3.7	0.2	291	27.5	27.5	8.2	8.2	26.6	26.5	81.6	81.6	5.6		18.9		7		91				<0.2		1.3	
						3.7	0.2	303	27.5		8.2		26.5		81.6		5.6		18.7		8		91				<0.2		1.4	
					Bottom	6.3	0.1	88	27.5	27.5	8.2	8.2	26.9	26.9	81.3	81.4	5.5	5.5	34.6		8		97				<0.2		1.4	
						6.3	0.1	94	27.5		8.2		26.9		81.5		5.5		34.5		8		98				<0.2		1.5	
IM6	Fine	Moderate	17:02	7.5	Surface	1.0	0.1	287	27.9	27.9	8.2	8.2	25.7	25.7	87.4	87.4	6.0	5.8	6.0	9.0	8	9	87	91	821040	805808	<0.2	<0.2	1.4	1.4
						1.0	0.1	315	27.9		8.2		25.7		87.4		5.9		6.1		8		87				<0.2		1.4	
					Middle	3.8	0.0	261	27.7	27.7	8.2	8.2	26.3	26.3	83.7	83.7	5.7		10.2		8		92				<0.2		1.4	
						3.8	0.0	274	27.7		8.2		26.3		83.7		5.7		10.3		9		92				<0.2		1.4	
					Bottom	6.5	0.1	133	27.6	27.6	8.2	8.2	26.4	26.4	84.2	84.2	5.7	5.7	10.6		12		94				<0.2		1.4	
						6.5	0.1	139	27.6		8.2		26.4		84.2		5.7		10.5		11		95				<0.2		1.5	
IM7	Fine	Moderate	16:55	8.5	Surface	1.0	0.0	267	28.4	28.4	8.1	8.1	20.2	20.2	86.3	86.3	6.0	6.0	2.9	4.9	10	11	86	91	821343	806836	<0.2	<0.2	1.4	1.4
						1.0	0.0	271	28.4		8.1		20.2		86.3		6.0		2.9		9		87				<0.2		1.4	
					Middle	4.3	0.3	77	27.7	27.7	8.1	8.1	22.1	22.1	84.4	84.4	5.9		3.8		10		91				<0.2		1.5	
						4.3	0.3	82	27.7		8.1		22.1		84.4		5.9		3.8		9		92				<0.2		1.4	
					Bottom	7.5	0.2	92	27.8	27.8	8.2	8.1	25.7	25.7	85.2	85.2	5.8	5.8	8.0		13		94				<0.2		1.3	
						7.5	0.2	93	27.8		8.1		25.7		85.2		5.8		8.0		14		95				<0.2		1.3	
IM8	Fine	Moderate	17:20	8.0	Surface	1.0	0.1	97	28.2	28.2	8.1	8.1	20.5	20.5	87.1	87.1	6.1	6.0	8.9	13.0	7	8	83	87	821825	808126	<0.2	<0.2	2.1	2.1
						1.0	0.1	97	28.2		8.1		20.5		87.0		6.1		8.9		6		84				<0.2		2.1	
					Middle	4.0	0.3	63	28.0	28.0	8.2	8.2	23.7	23.7	86.2	86.2	5.9		12.2		8		88				<0.2		2.1	
						4.0	0.4	65	28.0		8.2		23.7		86.2		5.9		12.3		8		88				<0.2		2.1	
					Bottom	7.0	0.3	80	27.8	27.8	8.2	8.2	25.6	25.6	85.7	85.7	5.8	5.8	17.8		9		89				<0.2		2.1	
						7.0	0.3	85	27.8		8.2		25.6		85.7		5.8		17.8		10		90				<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 02 October 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	7.4	Surface	1.0	0.3	82	27.9	27.9	8.2	8.2	21.9	21.9	83.9	83.9	5.8	5.8	10.6	15.2	9	9	84	87	822089	808839	<0.2	<0.2	2.2	2.2
						1.0	0.3	88	27.9		8.2		21.9		83.9		5.8		10.7		9		84				<0.2		2.2	
					Middle	3.7	0.2	83	27.7	27.7	8.2	8.2	23.7	23.7	82.8	82.9	5.7		16.5		8		87				<0.2		2.1	
						3.7	0.2	90	27.7		8.2		23.7		82.9		5.7		16.7		9		87				<0.2		2.0	
					Bottom	6.4	0.2	88	27.7	27.7	8.2	8.2	24.4	24.4	85.3	85.4	5.9	5.9	18.3		10		89				<0.2		2.2	
						6.4	0.3	96	27.7		8.2		24.4		85.4		5.9		18.3		10		89				<0.2		2.2	
IM10	Fine	Moderate	17:34	6.9	Surface	1.0	0.2	55	28.0	28.0	8.2	8.2	21.4	21.4	86.2	86.2	6.0	5.9	9.3	13.1	4	5	85	87	822399	809781	<0.2	<0.2	2.2	2.1
						1.0	0.2	57	28.0		8.2		21.4		86.1		6.0		9.4		5		84				<0.2		2.1	
					Middle	3.5	0.2	353	27.9	27.9	8.3	8.3	23.9	23.9	83.7	83.7	5.7		13.6		5		87				<0.2		2.0	
						3.5	0.2	356	27.9		8.3		23.9		83.6		5.7		13.7		5		87				<0.2		2.1	
					Bottom	5.9	0.2	301	27.7	27.7	8.2	8.2	25.0	25.0	82.2	82.2	5.6	5.6	16.2		6		89				<0.2		2.1	
						5.9	0.2	314	27.7		8.2		25.0		82.2		5.6		16.2		6		90				<0.2		2.3	
IM11	Fine	Moderate	17:45	7.6	Surface	1.0	0.2	340	27.7	27.7	8.2	8.2	25.2	25.2	79.5	79.5	5.4	5.4	10.5	11.5	6	7	86	90	822051	811487	<0.2	<0.2	2.1	2.1
						1.0	0.2	349	27.7		8.2		25.2		79.4		5.4		10.5		6		86				<0.2		2.1	
					Middle	3.8	0.2	310	27.6	27.6	8.2	8.2	25.5	25.5	78.4	78.4	5.4		11.5		7		90				<0.2		2.1	
						3.8	0.2	314	27.6		8.2		25.5		78.4		5.4		11.5		7		90				<0.2		2.1	
					Bottom	6.6	0.1	291	27.6	27.6	8.2	8.2	26.3	26.3	77.3	77.3	5.3	5.3	12.4		8		92				<0.2		2.1	
						6.6	0.1	319	27.6		8.2		26.3		77.2		5.3		12.4		7		93				<0.2		2.0	
IM12	Cloudy	Moderate	17:54	10.2	Surface	1.0	0.1	109	27.7	27.7	8.2	8.2	25.1	25.1	81.2	81.2	5.6	5.5	10.0	15.0	6	7	86	89	821474	812039	<0.2	<0.2	2.0	2.0
						1.0	0.1	117	27.7		8.2		25.1		81.2		5.6		10.1		7		86				<0.2		2.0	
					Middle	5.1	0.1	226	27.5	27.5	8.2	8.2	25.6	25.6	76.8	76.8	5.3		15.4		7		90				<0.2		2.0	
						5.1	0.1	241	27.5		8.2		25.6		76.8		5.3		15.4		7		89				<0.2		2.0	
					Bottom	9.2	0.1	227	27.5	27.5	8.2	8.2	25.7	25.7	77.8	77.9	5.3	5.3	19.6		7		92				<0.2		2.0	
						9.2	0.1	227	27.5		8.2		25.7		77.9		5.3		19.5		8		92				<0.2		2.0	
SR2	Cloudy	Moderate	18:20	4.8	Surface	1.0	0.3	353	27.9	27.9	8.3	8.3	25.1	25.1	85.5	85.5	5.8	5.8	7.5	7.9	7	8	87	89	821470	814184	<0.2	<0.2	2.1	2.1
						1.0	0.4	325	27.9		8.3		25.1		85.5		5.8		7.5		7		88				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	349	27.9	27.9	8.3	8.3	25.3	25.3	85.6	85.7	5.8	5.8	8.3		8		90				<0.2		2.0	
						3.8	0.3	359	27.9		8.3		25.3		85.7		5.8		8.2		8		91				<0.2		2.1	
SR3	Fine	Moderate	17:15	9.2	Surface	1.0	0.1	108	28.2	28.2	8.2	8.2	20.2	20.2	83.3	83.3	5.8	5.7	10.5	15.6	6	7	-	-	822152	807597	-	-	-	-
						1.0	0.1	116	28.2		8.2		20.2		83.3		5.8		10.6		7		-				-		-	
					Middle	4.6	0.2	52	27.7	27.7	8.2	8.2	25.0	25.0	82.5	82.5	5.7		15.5		6		-				-		-	
						4.6	0.2	53	27.7		8.2		25.1		82.4		5.6		15.6		7		-				-		-	
					Bottom	8.2	0.2	57	27.6	27.6	8.2	8.2	25.7	25.7	82.2	82.3	5.6	5.6	20.6		8		-				-		-	
						8.2	0.2	61	27.6		8.2		25.7		82.3		5.6		20.6		9		-				-		-	
SR4A	Fine	Calm	18:22	8.4	Surface	1.0	0.3	65	28.4	28.4	8.1	8.1	20.1	20.1	86.2	86.2	6.0	5.9	3.0	5.6	8	9	-	-	817195	807837	-	-	-	-
						1.0	0.3	70	28.4		8.1		20.1		86.1		6.0		3.0		7		-				-		-	
					Middle	4.2	0.4	71	27.6	27.6	8.1	8.1	22.5	22.5	82.6	82.6	5.7		5.2		8		-				-		-	
						4.2	0.4	73	27.6		8.1		22.5		82.6		5.7		5.3		9		-				-		-	
					Bottom	7.4	0.3	69	27.7	27.7	8.1	8.1	25.7	25.7	82.7	82.7	5.6	5.6	8.6		11		-				-		-	
						7.4	0.3	70	27.7		8.1		25.7		82.7		5.6		8.5		11		-				-		-	
SR5A	Fine	Calm	18:35	3.8	Surface	1.0	0.1	290	28.4	28.4	8.1	8.1	20.2	20.2	86.5	86.5	6.0	6.0	2.7	2.8	6	7	-	-	816596	810679	-	-	-	-
						1.0	0.1	310	28.4		8.1		20.2		86.5		6.0		2.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	322	27.7	27.7	8.1	8.1	22.2	22.2	84.3	84.3	5.9	5.9	2.9		8		-				-		-	
						2.8	0.1	344	27.7		8.1		22.2		84.3		5.9		2.9		8		-				-		-	
SR6	Fine	Calm	18:58	4.3	Surface	1.0	0.0	43	28.4	28.4	8.1	8.1	20.2	20.2	86.7	86.7	6.0	6.0	2.6	2.6	6	7	-	-	817923	814673	-	-	-	-
						1.0	0.0	43	28.4		8.1		20.2		86.7		6.0		2.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	18	27.8	27.8	8.1	8.1	22.1	22.0	85.4	85.4	5.9	5.9	2.6		7		-				-		-	
						3.3	0.0	18	27.8		8.1		22.0		85.4		5.9		2.6		7		-				-		-	
SR7	Cloudy	Moderate	18:58	16.4	Surface	1.0	0.2	82	27.7	27.7	8.2	8.2	26.6	26.6	78.1	78.1	5.3	5.2	7.8	8.6	5	5	-	-	823609	823749	-	-	-	-
						1.0	0.2	83	27.7		8.2		26.6		78.0		5.3		7.8		5		-				-		-	
					Middle	8.2	0.1	325	27.5	27.5	8.2	8.2	27.7	27.7	75.0	75.0	5.1		8.5		5		-				-		-	
						8.2	0.1	350	27.5		8.2		27.7		75.0		5.1		8.4		5		-				-		-	
					Bottom	15.4	0.1	178	27.5	27.5	8.2	8.2	28.1	28.1	77.3	77.3	5.2	5.2	9.6		6		-				-		-	
						15.4	0.1	180	27.5		8.2		28.1		77.3		5.2		9.7		6		-				-		-	
SR8	Cloudy	Moderate	18:05	5.3	Surface	1.0	-	-	27.8	27.8	8.3	8.3	24.6	24.6	82.5	82.5	5.7	5.7	10.7	12.0	4	6	-	-	820519	811660	-	-	-	-
						1.0	-	-	27.8		8.3		24.6		82.4		5.7		10.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	27.5	27.5	8.2	8.2	25.5	25.5	80.3	80.4	5.5	5.5	13.2		6		-				-		-	
						4.3	-	-	27.5		8.2		25.5		80.4		5.5		13.2		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge. 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 02 October 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	12:40	8.7	Surface	1.0	0.7	31	27.5	27.5	8.2	8.2	25.7	25.7	86.5	86.5	5.9	5.9	7.4	12.7	8	9	86	93	815608	804275	<0.2	<0.2	1.2	1.4
						1.0	0.7	31	27.5		8.2		25.7		86.5		5.9		7.5		9		86				<0.2		1.2	
					Middle	4.4	0.4	27	27.4	27.4	8.2	8.2	27.3	27.3	84.9	84.9	5.8		12.9		9		94				<0.2		1.3	
						4.4	0.4	29	27.4		8.2		27.3		84.9		5.8		12.9		8		96				<0.2		1.3	
					Bottom	7.7	0.2	28	27.4	27.4	8.2	8.2	28.7	28.7	85.1	85.1	5.7	5.7	17.7		9		98				<0.2		1.6	
						7.7	0.3	30	27.4		8.2		28.7		85.1		5.7		17.6		10		100				<0.2		1.5	
C2	Fine	Moderate	14:42	12.1	Surface	1.0	0.1	16	28.3	28.3	8.1	8.1	20.6	20.6	78.2	78.2	5.4	5.3	9.9	15.8	5	6	84	88	825687	806925	<0.2	<0.2	1.2	1.4
						1.0	0.1	16	28.3		8.1		20.6		78.1		5.4		9.9		5		84				<0.2		1.2	
					Middle	6.1	0.2	20	27.7	27.7	8.2	8.2	23.6	23.6	74.9	74.8	5.2		15.5		5		87				<0.2		1.4	
						6.1	0.2	20	27.7		8.2		23.6		74.7		5.2		15.8		6		87				<0.2		1.5	
					Bottom	11.1	0.2	329	27.6	27.6	8.2	8.2	26.3	26.3	73.8	73.9	5.0	5.0	21.7		8		91				<0.2		1.5	
						11.1	0.2	350	27.6		8.2		26.3		74.0		5.0		21.7		9		92				<0.2		1.5	
C3	Fine	Moderate	12:51	11.0	Surface	1.0	0.5	262	27.6	27.6	8.2	8.2	25.4	25.4	77.5	77.4	5.3	5.2	7.7	9.3	4	6	86	90	822134	817790	<0.2	<0.2	1.4	1.3
						1.0	0.5	279	27.6		8.2		25.5		77.3		5.3		7.7		4		86				<0.2		1.4	
					Middle	5.5	0.4	260	27.5	27.5	8.2	8.2	26.6	26.6	73.5	73.5	5.0		9.5		5		91				<0.2		1.3	
						5.5	0.5	268	27.5		8.2		26.6		73.5		5.0		9.5		5		91				<0.2		1.3	
					Bottom	10.0	0.3	260	27.5	27.5	8.2	8.2	26.8	26.8	73.9	73.9	5.0	5.0	10.6		8		93				<0.2		1.3	
						10.0	0.3	269	27.5		8.2		26.8		73.9		5.0		10.6		9		93				<0.2		1.3	
IM1	Fine	Moderate	12:57	5.1	Surface	1.0	0.2	1	27.6	27.6	8.2	8.2	25.0	25.0	89.3	89.3	6.1	6.1	11.7	11.1	10	11	87	89	817946	807108	<0.2	<0.2	1.5	1.5
						1.0	0.2	1	27.6		8.2		25.0		89.3		6.1		11.7		11		87				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	343	27.7	27.7	8.2	8.2	26.0	26.0	92.6	92.6	6.3	6.3	10.5		12		90				<0.2		1.4	
						4.1	0.2	316	27.7		8.2		26.0		92.6		6.3		10.5		12		91				<0.2		1.4	
IM2	Fine	Moderate	13:04	7.7	Surface	1.0	0.4	23	27.6	27.6	8.2	8.2	25.4	25.4	87.3	87.3	6.0	5.9	7.1	14.3	5	5	86	90	818158	806177	<0.2	<0.2	1.4	1.4
						1.0	0.4	23	27.6		8.2		25.4		87.3		6.0		7.2		5		87				<0.2		1.5	
					Middle	3.9	0.4	27	27.5	27.5	8.2	8.2	26.4	26.4	84.5	84.5	5.8		13.4		5		90				<0.2		1.4	
						3.9	0.4	28	27.5		8.2		26.4		84.5		5.8		13.4		5		91				<0.2		1.3	
					Bottom	6.7	0.3	28	27.5	27.5	8.2	8.2	26.8	26.8	88.5	88.6	6.0	6.0	22.3		6		94				<0.2		1.4	
						6.7	0.3	29	27.5		8.2		26.8		88.7		6.0		22.2		6		94				<0.2		1.3	
IM3	Fine	Moderate	13:10	7.8	Surface	1.0	0.3	43	28.0	28.0	8.2	8.2	24.7	24.7	88.7	88.6	6.1	5.8	7.1	10.6	4	7	87	91	818765	805617	<0.2	<0.2	1.3	1.4
						1.0	0.4	46	28.0		8.2		24.7		88.5		6.0		7.2		5		88				<0.2		1.5	
					Middle	3.9	0.3	31	27.5	27.5	8.2	8.2	26.9	26.9	81.3	81.3	5.5		10.1		7		90				<0.2		1.4	
						3.9	0.3	34	27.5		8.2		26.9		81.3		5.5		10.3		8		90				<0.2		1.3	
					Bottom	6.8	0.2	26	27.5	27.5	8.2	8.2	27.0	27.0	83.7	83.8	5.7	5.7	14.3		9		94				<0.2		1.4	
						6.8	0.2	26	27.5		8.2		27.0		83.8		5.7		14.3		9		95				<0.2		1.4	
IM4	Fine	Moderate	13:24	7.3	Surface	1.0	0.4	359	27.7	27.7	8.2	8.2	25.2	25.2	85.1	85.1	5.8	5.7	8.1	13.5	7	8	86	91	819753	804598	<0.2	<0.2	1.3	1.3
						1.0	0.4	330	27.7		8.2		25.2		85.0		5.8		8.2		7		86				<0.2		1.4	
					Middle	3.7	0.4	359	27.5	27.5	8.2	8.2	26.8	26.8	81.8	81.8	5.6		12.6		7		91				<0.2		1.3	
						3.7	0.4	330	27.5		8.2		26.8		81.8		5.6		12.6		8		91				<0.2		1.3	
					Bottom	6.3	0.3	352	27.5	27.5	8.2	8.2	26.9	26.9	84.5	84.6	5.8	5.8	19.8		8		94				<0.2		1.3	
						6.3	0.3	324	27.5		8.2		26.9		84.7		5.8		19.9		8		95				<0.2		1.4	
IM5	Fine	Moderate	13:32	7.6	Surface	1.0	0.5	-	27.9	27.9	8.2	8.2	24.7	24.7	86.6	86.6	5.9	5.8	7.0	12.8	5	5	88	91	820729	804874	<0.2	<0.2	1.3	1.3
						1.0	0.5	-	27.9		8.2		24.8		86.5		5.9		7.2		4		88				<0.2		1.4	
					Middle	3.8	0.5	356	27.5	27.5	8.2	8.2	26.6	26.6	82.5	82.5	5.6		14.3		6		91				<0.2		1.3	
						3.8	0.5	358	27.5		8.2		26.6		82.5		5.6		14.2		5		92				<0.2		1.4	
					Bottom	6.6	0.3	358	27.5	27.5	8.2	8.2	26.9	26.9	84.7	84.8	5.8	5.8	17.2		6		94				<0.2		1.3	
						6.6	0.3	329	27.5		8.2		26.9		84.8		5.8		17.1		6		95				<0.2		1.3	
IM6	Fine	Moderate	13:40	7.4	Surface	1.0	0.3	49	27.9	27.9	8.2	8.2	25.6	25.6	88.2	88.2	6.0	5.9	6.0	10.2	5	7	88	91	821052	805844	<0.2	<0.2	1.4	1.4
						1.0	0.3	52	27.9		8.2		25.6		88.1		6.0		6.1		6		89				<0.2		1.2	
					Middle	3.7	0.2	38	27.7	27.7	8.2	8.2	26.2	26.2	84.3	84.3	5.7		10.3		6		91				<0.2		1.5	
						3.7	0.2	38	27.7		8.2		26.2		84.3		5.7		10.4		7		91				<0.2		1.4	
					Bottom	6.4	0.2	16	27.6	27.6	8.2	8.2	26.5	26.5	85.6	85.7	5.8	5.8	14.1		8		94				<0.2		1.4	
						6.4	0.2	17	27.6		8.2		26.5		85.7		5.8		14.1		8		95				<0.2		1.5	
IM7	Fine	Moderate	13:49	8.6	Surface	1.0	0.0	239	28.4	28.4	8.1	8.1	20.2	20.2	86.5	86.5	6.0	6.0	2.8	4.8	5	8	87	93	821375	806840	<0.2	<0.2	1.5	1.6
						1.0	0.0	244	28.4		8.1		20.2		86.5		6.0		2.8		6		88				<0.2		1.5	
					Middle	4.3	0.1	287	27.7	27.7	8.1	8.1	22.1	22.1	84.4	84.4	5.9		3.4		8		94				<0.2		1.6	
						4.3	0.1	303	27.7		8.1		22.1		84.4		5.9		3.4		8		95				<0.2		1.5	
					Bottom	7.6	0.1	101	27.8	27.8	8.2	8.2	25.7	25.7	88.3	88.3	6.0	6.0	8.2		9		97				<0.2		1.5	
						7.6	0.1	105	27.8		8.2		25.7		88.3		6.0		8.2		9		97				<0.2		1.7	
IM8	Fine	Moderate	14:16	7.8	Surface	1.0	0.0	25	28.1	28.1	8.1	8.1	20.3	20.3	85.4	85.4	6.0	6.0	8.1	10.0	6	6	83	87	821856	808145	<0.2	<0.2	1.4	1.4
						1.0	0.0	26	28.1		8.1		20.3		85.4		6.0		8.1		6		84				<0.2		1.4	
					Middle	3.9	0.1	74	27.9	27.9	8.2	8.2	21.9	21.9	85.8	85.9	6.0		9.9		6		87				<0.2		1.4	
						3.9	0.1	75	27.9		8.2		21.9		85.9		6.0		9.9		6		87				<0.2		1.3	
					Bottom	6.8	0.2	56	27.8	27.8	8.2	8.2	23.7	23.7	87.0	87.0	6.0	6.0	12.0		7		90				<0.2		1.4	
						6.8	0.2	57	27.8		8.2		23.7		87.0		6.0		11.9		6		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 October 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:09	7.3	Surface	1.0	0.2	63	27.9	27.9	8.1	8.1	21.1	21.0	86.0	86.1	6.0	6.0	8.3	9.6	6	8	84	86	822084	808801	<0.2	<0.2	1.3	1.4
						1.0	0.2	63	27.9		8.1		21.0		86.1		6.0		8.2		7		84				<0.2		1.4	
					Middle	3.7	0.1	34	27.9	27.9	8.2	8.2	22.2	22.2	86.4	86.4	6.0		9.6		8		86				<0.2		1.4	
						3.7	0.2	36	27.9		8.2		22.2		86.3		6.0		9.7		9		86				<0.2		1.3	
					Bottom	6.3	0.1	291	27.8	27.8	8.2	8.2	23.8	23.8	86.0	86.0	5.9	5.9	10.8		10		88				<0.2		1.4	
						6.3	0.1	304	27.8		8.2		23.8		86.0		5.9		10.8		10		89				<0.2		1.3	
IM10	Fine	Moderate	14:01	7.9	Surface	1.0	0.3	345	28.0	28.0	8.3	8.3	23.3	23.3	86.3	86.3	5.9	5.9	11.1	14.7	7	8	85	88	822407	809782	<0.2	<0.2	1.4	1.4
						1.0	0.3	317	28.0		8.3		23.3		86.3		5.9		11.1		8		85				<0.2		1.4	
					Middle	4.0	0.4	305	27.7	27.7	8.2	8.2	24.3	24.3	84.0	84.0	5.8		13.1		7		88				<0.2		1.4	
						4.0	0.4	320	27.7		8.2		24.3		84.0		5.8		13.3		8		88				<0.2		1.4	
					Bottom	6.9	0.3	297	27.5	27.5	8.2	8.2	24.7	24.7	82.8	82.8	5.7	5.7	19.6		8		91				<0.2		1.4	
						6.9	0.3	310	27.5		8.2		24.7		82.8		5.7		19.7		8		91				<0.2		1.3	
IM11	Fine	Moderate	13:49	7.2	Surface	1.0	0.4	299	27.8	27.8	8.2	8.2	25.1	25.1	81.9	82.0	5.6	5.6	11.5	13.1	10	10	86	89	822062	811479	<0.2	<0.2	1.3	1.4
						1.0	0.4	302	27.8		8.2		25.1		82.0		5.6		11.5		10		87				<0.2		1.4	
					Middle	3.6	0.3	307	27.7	27.7	8.2	8.2	25.1	25.1	81.6	81.6	5.6		12.5		11		89				<0.2		1.4	
						3.6	0.4	310	27.7		8.2		25.1		81.5		5.6		12.5		10		89				<0.2		1.4	
					Bottom	6.2	0.3	316	27.6	27.6	8.2	8.2	25.3	25.3	81.9	82.0	5.6	5.6	15.4		10		92				<0.2		1.6	
						6.2	0.3	330	27.6		8.2		25.3		82.0		5.6		15.4		10		92				<0.2		1.5	
IM12	Fine	Moderate	13:42	9.9	Surface	1.0	0.3	267	27.7	27.7	8.2	8.2	25.1	25.1	81.2	81.2	5.6	5.6	13.8	17.3	10	10	87	90	821443	812068	<0.2	<0.2	1.5	1.4
						1.0	0.3	275	27.7		8.2		25.1		81.2		5.6		13.9		9		87				<0.2		1.5	
					Middle	5.0	0.3	271	27.5	27.5	8.2	8.2	25.3	25.3	79.8	79.9	5.5		16.7		10		89				<0.2		1.4	
						5.0	0.3	287	27.5		8.2		25.3		79.9		5.5		17.1		11		90				<0.2		1.4	
					Bottom	8.9	0.3	264	27.5	27.5	8.2	8.2	25.3	25.3	80.8	80.8	5.5	5.5	21.4		11		92				<0.2		1.4	
						8.9	0.3	274	27.5		8.2		25.3		80.8		5.5		20.9		11		92				<0.2		1.4	
SR2	Fine	Moderate	13:12	4.5	Surface	1.0	0.3	314	27.7	27.7	8.2	8.2	24.9	24.9	84.3	84.3	5.8	5.8	12.0	12.7	10	11	85	88	821456	814145	<0.2	<0.2	1.5	1.5
						1.0	0.4	319	27.7		8.2		24.9		84.2		5.8		12.1		9		85				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	315	27.7	27.7	8.2	8.2	24.8	24.8	85.6	85.6	5.9	5.9	13.3		13		91				<0.2		1.4	
						3.5	0.3	324	27.7		8.2		24.8		85.6		5.9		13.4		13		91				<0.2		1.5	
SR3	Fine	Moderate	14:22	9.3	Surface	1.0	0.1	50	28.2	28.2	8.1	8.1	20.0	20.1	83.0	83.0	5.8	5.7	8.8	13.7	7	8	-	-	822162	807563	-	-	-	-
						1.0	0.1	53	28.2		8.1		20.1		82.9		5.8		8.8		7		-				-		-	
					Middle	4.7	0.1	69	27.6	27.6	8.2	8.2	23.4	23.4	81.3	81.3	5.6		13.4		8		-				-		-	
						4.7	0.1	73	27.6		8.2		23.4		81.3		5.6		13.5		9		-				-		-	
					Bottom	8.3	0.2	51	27.5	27.5	8.3	8.3	25.0	25.0	83.3	83.3	5.7	5.7	18.7		10		-				-		-	
						8.3	0.2	53	27.5		8.3		25.0		83.3		5.7		18.7		9		-				-		-	
SR4A	Fine	Calm	12:17	9.2	Surface	1.0	0.2	61	27.9	27.9	8.2	8.2	24.6	24.6	90.1	90.1	6.2	6.0	7.8	7.6	8	9	-	-	817189	807812	-	-	-	-
						1.0	0.2	64	27.9		8.2		24.6		90.0		6.2		7.7		9		-				-		-	
					Middle	4.6	0.1	356	27.7	27.7	8.1	8.1	25.7	25.7	84.8	84.8	5.8		7.3		8		-				-		-	
						4.6	0.1	356	27.7		8.1		25.7		84.8		5.8		7.3		8		-				-		-	
					Bottom	8.2	0.0	39	27.6	27.6	8.1	8.1	25.9	25.9	85.6	85.7	5.8	5.9	7.8		10		-				-		-	
						8.2	0.0	40	27.6		8.1		25.9		85.7		5.9		7.8		9		-				-		-	
SR5A	Fine	Calm	12:01	4.3	Surface	1.0	0.1	250	27.7	27.7	8.1	8.1	25.4	25.4	84.5	84.5	5.8	5.8	5.5	5.4	7	7	-	-	816578	810688	-	-	-	-
						1.0	0.1	262	27.7		8.1		25.4		84.5		5.8		5.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	299	27.9	27.9	8.1	8.1	25.3	25.3	85.5	85.5	5.8	5.8	5.2		7		-				-		-	
						3.3	0.0	309	27.9		8.1		25.3		85.5		5.8		5.2		8		-				-		-	
SR6	Fine	Calm	11:38	4.6	Surface	1.0	0.1	220	27.7	27.7	8.1	8.1	25.0	25.0	84.7	84.7	5.8	5.8	4.5	5.3	5	6	-	-	817877	814645	-	-	-	-
						1.0	0.1	236	27.7		8.1		25.0		84.6		5.8		4.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	232	27.7	27.7	8.1	8.1	25.1	25.1	84.0	84.0	5.8	5.8	6.0		6		-				-		-	
						3.6	0.1	245	27.7		8.1		25.1		84.0		5.8		6.0		6		-				-		-	
SR7	Fine	Rough	12:22	16.2	Surface	1.0	0.1	51	27.7	27.7	8.2	8.2	25.8	25.8	77.3	77.3	5.3	5.2	8.3	11.7	4	6	-	-	823654	823728	-	-	-	-
						1.0	0.1	52	27.7		8.2		25.8		77.2		5.3		8.3		5		-				-		-	
					Middle	8.1	0.2	106	27.4	27.4	8.2	8.2	27.5	27.5	73.7	73.8	5.0		12.6		6		-				-		-	
						8.1	0.3	107	27.4		8.2		27.5		73.8		5.0		12.7		7		-				-		-	
					Bottom	15.2	0.3	208	27.4	27.4	8.2	8.2	28.0	28.0	74.5	74.6	5.0	5.1	14.3		7		-				-		-	
						15.2	0.4	227	27.4		8.2		28.0		74.7		5.1		14.2		7		-				-		-	
SR8	Fine	Moderate	13:32	4.8	Surface	1.0	-	-	28.0	28.0	8.2	8.2	24.2	24.2	83.2	83.2	5.7	5.7	13.7	16.9	7	8	-	-	820490	811636	-	-	-	-
						1.0	-	-	28.0		8.2		24.2		83.1		5.7		13.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	27.5	27.5	8.2	8.2	25.4	25.4	81.0	81.1	5.6	5.6	19.9		9		-				-		-	
						3.8	-	-	27.5		8.2		25.4		81.1		5.6		20.0		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge. 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 04 October 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	08:16	8.9	Surface	1.0	0.7	206	27.3	27.3	8.2	8.2	23.2	23.2	87.7	87.7	6.1	5.9	4.2	12.2	6	9	84	87	815600	804258	<0.2	<0.2	1.8	1.7
						1.0	0.8	207	27.3		8.2		23.2		87.7		6.1		4.2		7		85				<0.2		1.7	
					Middle	4.5	0.5	229	27.5	27.5	8.2	8.2	27.5	27.5	83.1	83.1	5.6		14.0		9		87				<0.2		1.9	
						4.5	0.5	251	27.5		8.2		27.5		83.1		5.6		14.0		9		86				<0.2		2.0	
					Bottom	7.9	0.3	208	27.5	27.5	8.2	8.2	27.7	27.7	85.6	85.6	5.8	5.8	18.4		10		91				<0.2		1.5	
						7.9	0.3	221	27.5		8.2		27.7		85.6		5.8		18.4		10		89				<0.2		1.5	
C2	Sunny	Moderate	10:00	11.3	Surface	1.0	1.1	171	27.5	27.5	8.0	8.0	21.1	21.1	82.0	81.8	5.8	5.6	2.5	3.8	3	4	82	85	825664	806951	<0.2	<0.2	1.0	1.0
						1.0	1.1	174	27.5		8.0		21.1		81.5		5.7		2.6		4		82				<0.2		1.0	
					Middle	5.7	0.8	176	27.5	27.5	8.0	8.0	23.3	23.3	79.9	79.9	5.5		3.2		4		85				<0.2		1.0	
						5.7	0.8	186	27.5		8.0		23.3		79.9		5.5		3.2		4		86				<0.2		1.0	
					Bottom	10.3	0.4	179	27.6	27.6	8.0	8.0	27.8	27.8	75.4	75.5	5.1	5.1	6.0		5		88				<0.2		1.0	
						10.3	0.4	190	27.6		8.0		27.8		75.5		5.1		5.6		6		89				<0.2		0.9	
C3	Sunny	Moderate	07:45	12.2	Surface	1.0	0.3	109	27.3	27.3	7.9	7.9	27.1	27.1	80.2	80.2	5.5	5.4	1.9	1.8	5	6	87	90	822136	817807	<0.2	<0.2	0.8	0.7
						1.0	0.3	109	27.3		7.9		27.1		80.1		5.5		1.9		5		87				<0.2		0.7	
					Middle	6.1	0.2	110	27.4	27.4	7.9	7.9	27.6	27.6	78.8	78.8	5.3		1.6		5		91				<0.2		0.7	
						6.1	0.2	110	27.4		7.9		27.6		78.8		5.3		1.5		6		90				<0.2		0.7	
					Bottom	11.2	0.3	48	27.5	27.5	7.9	7.9	28.0	28.0	78.3	78.6	5.3	5.3	2.0		8		93				<0.2		0.7	
						11.2	0.3	50	27.5		7.9		28.0		78.8		5.3		2.0		7		94				<0.2		0.7	
IM1	Sunny	Moderate	08:40	4.5	Surface	1.0	0.1	86	27.3	27.3	8.2	8.2	25.8	25.8	86.7	86.7	6.0	6.0	6.4	7.6	4	5	86	87	817958	807123	<0.2	<0.2	1.6	1.6
						1.0	0.1	90	27.3		8.2		25.8		86.7		6.0		6.4		4		85				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	108	27.4	27.4	8.2	8.2	26.6	26.6	88.7	88.7	6.1	6.1	8.7		6		89				<0.2		1.5	
						3.5	0.0	113	27.4		8.2		26.6		88.7		6.1		8.7		6		88				<0.2		1.3	
IM2	Sunny	Moderate	08:48	6.9	Surface	1.0	0.6	207	27.3	27.3	8.2	8.2	25.1	25.1	89.1	89.1	6.1	6.1	7.4	17.5	5	5	85	87	818152	806158	<0.2	<0.2	1.5	1.2
						1.0	0.6	226	27.3		8.2		25.1		89.1		6.1		7.4		5		85				<0.2		1.4	
					Middle	3.5	0.5	198	27.3	27.3	8.2	8.2	25.5	25.5	87.2	87.2	6.0		17.3		5		86				<0.2		1.4	
						3.5	0.5	215	27.3		8.2		25.5		87.2		6.0		17.3		5		88				<0.2		1.0	
					Bottom	5.9	0.4	189	27.3	27.3	8.2	8.2	25.8	25.8	87.6	87.6	6.0	6.0	27.9		5		91				<0.2		1.0	
						5.9	0.4	198	27.3		8.2		25.8		87.6		6.0		27.9		6		89				<0.2		1.1	
IM3	Sunny	Moderate	09:03	6.5	Surface	1.0	0.8	211	27.4	27.4	8.2	8.2	24.1	24.1	87.7	87.7	6.1	6.1	10.3	13.7	8	9	87	88	818808	805569	<0.2	<0.2	1.3	1.3
						1.0	0.8	228	27.4		8.2		24.1		87.7		6.1		10.3		8		86				<0.2		1.4	
					Middle	3.3	0.7	208	27.4	27.4	8.2	8.2	24.6	24.6	87.1	87.1	6.0		14.8		8		88				<0.2		1.4	
						3.3	0.7	217	27.4		8.2		24.6		87.1		6.0		14.8		9		88				<0.2		1.1	
					Bottom	5.5	0.5	205	27.4	27.4	8.2	8.2	24.8	24.8	87.3	87.3	6.0	6.0	16.0		10		89				<0.2		1.2	
						5.5	0.5	216	27.4		8.2		24.8		87.3		6.0		16.0		11		90				<0.2		1.3	
IM4	Sunny	Moderate	09:15	6.8	Surface	1.0	0.7	221	27.5	27.5	8.2	8.2	24.3	24.3	86.7	86.7	6.0	6.0	9.8	11.9	9	10	85	88	819711	804588	<0.2	<0.2	1.9	1.6
						1.0	0.7	228	27.5		8.2		24.3		86.7		6.0		9.8		9		86				<0.2		2.0	
					Middle	3.4	0.6	230	27.5	27.5	8.2	8.2	24.6	24.6	86.9	86.9	6.0		12.6		10		87				<0.2		2.0	
						3.4	0.6	239	27.5		8.2		24.6		86.9		6.0		12.6		10		88				<0.2		1.2	
					Bottom	5.8	0.4	229	27.5	27.5	8.2	8.2	24.7	24.7	87.7	87.7	6.0	6.0	13.4		11		91				<0.2		1.3	
						5.8	0.5	231	27.5		8.2		24.7		87.7		6.0		13.4		11		89				<0.2		1.4	
IM5	Sunny	Moderate	09:24	6.6	Surface	1.0	0.7	246	27.5	27.5	8.1	8.1	24.1	24.1	85.7	85.7	5.9	5.9	13.4	12.6	16	17	84	88	820711	804865	<0.2	<0.2	2.2	1.9
						1.0	0.7	262	27.5		8.1		24.1		85.7		5.9		13.4		17		86				<0.2		2.2	
					Middle	3.3	0.5	242	27.5	27.5	8.1	8.1	24.3	24.3	85.6	85.6	5.9		13.1		17		87				<0.2		2.4	
						3.3	0.6	247	27.5		8.1		24.3		85.6		5.9		13.1		18		87				<0.2		1.4	
					Bottom	5.6	0.4	236	27.4	27.4	8.2	8.2	25.0	25.0	86.8	86.8	6.0	6.0	11.2		18		90				<0.2		1.6	
						5.6	0.5	241	27.4		8.2		25.0		86.8		6.0		11.2		18		91				<0.2		1.5	
IM6	Sunny	Moderate	09:35	7.3	Surface	1.0	0.8	235	27.5	27.5	8.1	8.1	22.3	22.3	86.6	86.6	6.0	6.1	4.7	7.3	5	9	87	88	821088	805828	<0.2	<0.2	1.9	1.8
						1.0	0.8	248	27.5		8.1		22.3		86.6		6.0		4.7		5		85				<0.2		1.8	
					Middle	3.7	0.7	247	27.5	27.5	8.1	8.1	22.6	22.6	87.5	87.5	6.1		8.0		9		86				<0.2		1.8	
						3.7	0.8	262	27.5		8.1		22.6		87.5		6.1		8.0		10		88				<0.2		1.7	
					Bottom	6.3	0.6	260	27.5	27.5	8.1	8.1	22.8	22.8	89.9	89.9	6.3	6.3	9.1		11		89				<0.2		1.7	
						6.3	0.6	271	27.5		8.1		22.8		89.9		6.3		9.1		12		90				<0.2		1.7	
IM7	Sunny	Moderate	09:36	7.0	Surface	1.0	0.8	239	27.5	27.5	8.1	8.1	22.2	22.2	85.9	85.9	6.0	6.0	5.1	6.2	8	9	87	88	821322	806825	<0.2	<0.2	2.2	1.9
						1.0	0.8	239	27.5		8.1		22.2		85.9		6.0		5.1		7		85				<0.2		2.0	
					Middle	3.5	0.8	246	27.5	27.5	8.1	8.1	22.7	22.7	85.6	85.6	6.0		8.5		8		90				<0.2		2.2	
						3.5	0.8	255	27.5		8.1		22.7		85.6		6.0		8.5		9		88				<0.2		1.6	
					Bottom	6.0	0.6	258	27.5	27.5	8.1	8.1	22.6	22.6	86.1	86.1	6.0	6.0	5.1		9		89				<0.2		1.7	
						6.0	0.6	259	27.5		8.1		22.6		86.1		6.0		5.1		10		91				<0.2		1.6	
IM8	Sunny	Moderate	09:28	7.4	Surface	1.0	0.6	182	27.5	27.5	8.0	8.0	24.5	24.5	83.2	83.2	5.7	5.7	1.8	3.6	4	5	85	88	821829	808149	<0.2	<0.2	1.0	0.9
						1.0	0.7	192	27.5		8.0		24.5		83.2		5.7		1.8		6		85				<0.2		0.9	
					Middle	3.7	0.4	189	27.5	27.5	8.0	8.0	25.6	25.6	83.1	83.1	5.7		2.6		5		88				<0.2		0.9	
						3.7	0.4	203	27.5		8.0		25.6		83.1		5.7		2.6		5		88				<0.2		0.9	
					Bottom	6.4	0.3	207	27.4	27.4	8.0	8.0	26.3	26.3	84.6	84.7	5.8	5.8	6.1		5		91				<0.2		1.0	
						6.4	0.3	211	27.4		8.0		26.3		84.8		5.8		6.4		6		91				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 October 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	Sunny	Moderate	09:20	6.9	Surface	1.0	0.4	57	27.6	27.6	8.0	8.0	25.1	25.2	82.8	82.8	5.7	5.7	1.8	2.6	4	5	85	88	822078	808815	<0.2	<0.2	1.0	1.0
						1.0	0.5	68	27.6		8.0		25.2		82.8		5.7		1.9		4		85				<0.2		0.9	
					Middle	3.5	0.3	49	27.6	27.6	8.0	8.0	25.5	25.5	82.8	82.8	5.7		1.9		5		88				<0.2		1.0	
						3.5	0.3	63	27.6		8.0		25.5		82.8		5.7		1.9		6		89				<0.2		1.0	
					Bottom	5.9	0.1	92	27.4	27.4	8.1	8.1	26.7	26.7	83.9	84.0	5.7	5.7	3.9		6		92				<0.2		1.0	
						5.9	0.1	97	27.4		8.1		26.7		84.0		5.7		4.3		6		91				<0.2		1.0	
IM10	Sunny	Moderate	09:10	7.7	Surface	1.0	0.6	36	27.7	27.7	8.0	8.0	25.3	25.3	82.8	82.8	5.7	5.6	1.3	5.3	4	4	86	89	822411	809766	<0.2	<0.2	1.0	1.0
						1.0	0.6	41	27.7		8.0		25.3		82.7		5.7		1.4		4		86				<0.2		1.0	
					Middle	3.9	0.6	32	27.6	27.6	8.0	8.0	26.5	26.5	80.9	80.9	5.5		4.1		4		89				<0.2		1.0	
						3.9	0.6	43	27.6		8.0		26.5		80.8		5.5		4.2		4		89				<0.2		1.0	
					Bottom	6.7	0.4	21	27.5	27.5	8.0	8.0	27.1	27.1	79.4	79.5	5.4	5.4	10.1		5		90				<0.2		1.0	
						6.7	0.5	26	27.5		8.0		27.1		79.5		5.4		10.4		5		92				<0.2		0.9	
IM11	Sunny	Moderate	08:53	7.8	Surface	1.0	0.7	09	27.5	27.5	8.0	8.0	25.8	25.8	84.8	84.8	5.8	5.8	1.0	6.7	4	4	86	89	822084	811477	<0.2	<0.2	1.0	1.0
						1.0	0.7	17	27.5		8.0		25.8		84.7		5.8		1.0		4		86				<0.2		0.9	
					Middle	3.9	0.5	07	27.4	27.4	8.1	8.1	26.6	26.6	83.6	83.6	5.7		7.5		3		89				<0.2		1.0	
						3.9	0.5	07	27.4		8.1		26.6		83.6		5.7		7.6		4		89				<0.2		0.8	
					Bottom	6.8	0.4	05	27.4	27.4	8.1	8.1	26.8	26.8	83.3	83.4	5.7	5.7	11.7		3		92				<0.2		1.0	
						6.8	0.4	13	27.4		8.1		26.8		83.4		5.7		11.4		3		91				<0.2		1.1	
IM12	Sunny	Moderate	08:42	9.9	Surface	1.0	0.5	10	27.4	27.4	8.0	8.0	26.1	26.1	85.2	85.2	5.8	5.8	3.0	7.2	5	6	87	89	821439	812073	<0.2	<0.2	0.9	0.9
						1.0	0.6	11	27.4		8.0		26.1		85.2		5.8		2.9		4		86				<0.2		1.1	
					Middle	5.0	0.5	03	27.3	27.3	8.1	8.1	26.8	26.8	84.5	84.5	5.8		5.3		6		90				<0.2		0.8	
						5.0	0.5	03	27.3		8.1		26.8		84.5		5.8		5.4		6		89				<0.2		0.8	
					Bottom	8.9	0.3	83	27.5	27.5	8.1	8.1	27.4	27.4	84.3	84.4	5.7	5.7	13.6		7		90				<0.2		1.0	
						8.9	0.4	91	27.5		8.1		27.4		84.5		5.7		12.8		7		89				<0.2		0.8	
SR2	Sunny	Moderate	08:11	4.4	Surface	1.0	0.6	95	27.2	27.2	8.0	8.0	25.5	25.5	87.1	87.1	6.0	6.0	1.1	4.5	4	5	86	89	821483	814146	<0.2	<0.2	0.8	0.8
						1.0	0.6	96	27.2		8.0		25.5		87.1		6.0		1.1		4		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	99	27.5	27.5	8.0	8.0	27.3	27.3	81.7	81.8	5.5	5.6	8.0		6		92				<0.2		0.9	
						3.4	0.4	108	27.5		8.0		27.3		81.9		5.6		7.9		7		92				<0.2		0.8	
SR3	Sunny	Moderate	09:36	7.8	Surface	1.0	0.8	81	27.4	27.4	8.0	8.0	23.7	23.7	83.5	83.4	5.8	5.7	2.5	4.0	5	5	-	-	822126	807578	-	-	-	-
						1.0	0.8	86	27.4		8.0		23.6		83.2		5.8		2.5		4		-				-		-	
					Middle	3.9	0.4	98	27.5	27.5	8.0	8.0	25.9	25.8	81.4	81.4	5.6		3.6		4		-				-		-	
						3.9	0.4	210	27.5		8.0		25.8		81.4		5.6		3.6		4		-				-		-	
					Bottom	6.8	0.3	227	27.4	27.4	8.1	8.1	27.2	27.2	81.1	81.2	5.5	5.5	5.9		5		-				-		-	
						6.8	0.3	235	27.4		8.1		27.3		81.2		5.5		6.0		5		-				-		-	
SR4A	Sunny	Moderate	07:56	8.7	Surface	1.0	0.1	246	27.5	27.5	8.2	8.2	26.1	26.1	82.7	82.7	5.7	5.7	3.7	5.6	6	6	-	-	817202	807823	-	-	-	-
						1.0	0.1	248	27.5		8.2		26.1		82.7		5.7		3.7		6		-				-		-	
					Middle	4.4	0.2	227	27.4	27.4	8.2	8.2	27.0	27.0	82.8	82.8	5.6		6.0		6		-				-		-	
						4.4	0.2	244	27.4		8.2		27.0		82.8		5.6		6.0		5		-				-		-	
					Bottom	7.7	0.1	236	27.5	27.5	8.2	8.2	27.5	27.5	83.8	83.8	5.7	5.7	7.1		7		-				-		-	
						7.7	0.1	256	27.5		8.2		27.5		83.8		5.7		7.1		6		-				-		-	
SR5A	Sunny	Moderate	07:39	3.7	Surface	1.0	0.1	330	27.6	27.6	8.2	8.2	25.9	25.9	86.2	86.2	5.9	5.9	2.0	4.3	3	4	-	-	816615	810682	-	-	-	-
						1.0	0.1	338	27.6		8.2		25.9		86.2		5.9		2.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	269	27.7	27.7	8.1	8.1	26.2	26.2	88.5	88.5	6.0	6.0	6.6		4		-				-		-	
						2.7	0.0	284	27.7		8.1		26.2		88.5		6.0		6.6		4		-				-		-	
SR6	Sunny	Moderate	07:06	4.3	Surface	1.0	0.0	12	27.6	27.6	8.1	8.1	24.5	24.5	83.5	83.5	5.7	5.7	4.1	4.7	6	7	-	-	817920	814667	-	-	-	-
						1.0	0.0	12	27.6		8.1		24.5		83.5		5.7		4.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	69	27.8	27.8	8.1	8.1	25.4	25.4	86.0	86.0	5.9	5.9	5.2		7		-				-		-	
						3.3	0.1	73	27.8		8.1		25.4		86.0		5.9		5.2		7		-				-		-	
SR7	Sunny	Moderate	07:06	16.2	Surface	1.0	0.7	79	27.1	27.1	7.9	7.9	27.2	27.2	82.9	82.9	5.7	5.6	1.4	1.5	4	4	-	-	823656	823737	-	-	-	-
						1.0	0.7	84	27.1		7.9		27.2		82.8		5.7		1.4		3		-				-		-	
					Middle	8.1	0.3	80	27.3	27.3	7.9	7.9	28.4	28.4	79.4	79.4	5.4		1.4		3		-				-		-	
						8.1	0.4	85	27.3		7.9		28.4		79.4		5.4		1.4		4		-				-		-	
					Bottom	15.2	0.2	15	27.3	27.3	7.8	7.8	28.8	28.8	78.7	78.8	5.3	5.3	1.7		6		-				-		-	
						15.2	0.2	15	27.3		7.8		28.8		78.8		5.3		1.7		6		-				-		-	
SR8	Sunny	Moderate	08:32	5.1	Surface	1.0	-	-	27.2	27.2	8.1	8.1	25.7	25.7	88.8	88.8	6.1	6.1	1.6	4.1	5	5	-	-	820474	811654	-	-	-	-
						1.0	-	-	27.2		8.1		25.7		88.8		6.1		1.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	27.3	27.3	8.1	8.1	26.1	26.1	89.2	89.3	6.1	6.1	6.5		6		-				-		-	
						4.1	-	-	27.3		8.1		26.2		89.4		6.1		6.7		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge. 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 04 October 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	15:35	8.1	Surface	1.0	0.1	171	27.8	27.8	8.2	8.2	24.7	24.7	91.9	91.9	6.3	6.2	3.3	6.1	6	7	87	89	815648	804267	<0.2	<0.2	1.9	1.8
						1.0	0.1	183	27.8		8.2		24.7		91.9		6.3		3.3		6		86				<0.2		1.8	
					Middle	4.1	0.1	127	27.4	27.4	8.2	8.2	26.1	26.1	87.6	87.6	6.0		7.5		7		88				<0.2		1.9	
						4.1	0.1	132	27.4		8.2		26.1		87.6		6.0		7.5		7		91				<0.2		1.6	
					Bottom	7.1	0.1	71	27.5	27.5	8.2	8.2	26.4	26.4	90.1	90.1	6.1	6.1	7.6		8		89				<0.2		1.8	
						7.1	0.1	77	27.5		8.2		26.4		90.1		6.1		7.6		9		90				<0.2		1.8	
C2	Sunny	Moderate	14:35	10.8	Surface	1.0	0.8	170	27.7	27.7	7.9	7.9	19.5	19.5	79.5	79.5	5.6	5.4	4.4	7.3	6	7	81	87	825701	806935	<0.2	<0.2	1.7	2.1
						1.0	0.9	176	27.7		7.9		19.5		79.4		5.6		4.4		6		81				<0.2		1.6	
					Middle	5.4	0.2	188	27.6	27.6	8.0	8.0	25.4	25.4	74.3	74.3	5.1		5.2		6		88				<0.2		2.1	
						5.4	0.3	188	27.6		8.0		25.4		74.2		5.1		5.2		7		87				<0.2		2.3	
					Bottom	9.8	0.1	224	27.6	27.6	8.0	8.0	28.3	28.3	73.9	73.9	5.0	5.0	12.3		10		92				<0.2		2.5	
						9.8	0.1	244	27.6		8.0		28.3		73.9		5.0		12.4		8		91				<0.2		2.5	
C3	Sunny	Moderate	16:20	11.6	Surface	1.0	0.5	260	27.6	27.6	8.1	8.1	26.8	26.8	84.9	84.8	5.8	5.6	1.8	3.6	3	4	87	89	822138	817799	<0.2	<0.2	2.5	2.5
						1.0	0.5	270	27.6		8.1		26.8		84.7		5.8		1.7		3		86				<0.2		2.4	
					Middle	5.8	0.5	266	27.5	27.5	8.1	8.1	27.2	27.3	79.6	79.5	5.4		2.6		3		88				<0.2		2.5	
						5.8	0.5	282	27.5		8.1		27.3		79.3		5.4		2.6		4		89				<0.2		2.5	
					Bottom	10.6	0.4	265	27.6	27.6	8.0	8.0	28.8	28.8	74.6	74.7	5.0	5.0	6.4		4		92				<0.2		2.6	
						10.6	0.4	266	27.6		8.0		28.8		74.7		5.0		6.6		4		92				<0.2		2.4	
IM1	Sunny	Moderate	15:16	4.9	Surface	1.0	0.2	21	27.7	27.7	8.2	8.2	26.0	26.0	87.7	87.7	6.0	6.0	8.3	10.6	5	6	87	89	817931	807147	<0.2	<0.2	1.8	1.8
						1.0	0.2	23	27.7		8.2		26.0		87.7		6.0		8.3		4		88				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	15	27.5	27.5	8.2	8.2	26.3	26.3	87.0	87.0	5.9	5.9	12.8		6		89				<0.2		1.8	
						3.9	0.2	16	27.5		8.2		26.3		87.0		5.9		12.8		7		92				<0.2		1.7	
IM2	Sunny	Moderate	15:08	6.6	Surface	1.0	0.2	213	27.6	27.6	8.3	8.3	24.8	24.8	89.6	89.6	6.2	6.1	8.4	10.1	7	8	85	88	818188	806157	<0.2	<0.2	2.0	1.9
						1.0	0.2	220	27.6		8.3		24.8		89.6		6.2		8.4		7		86				<0.2		1.9	
					Middle	3.3	0.1	254	27.4	27.4	8.3	8.3	25.6	25.6	86.9	86.9	6.0		10.7		7		87				<0.2		2.0	
						3.3	0.1	271	27.4		8.3		25.6		86.9		6.0		10.7		8		88				<0.2		1.8	
					Bottom	5.6	0.1	358	27.4	27.4	8.2	8.2	25.8	25.8	87.2	87.2	6.0	6.0	11.3		8		89				<0.2		1.8	
						5.6	0.1	329	27.4		8.2		25.8		87.2		6.0		11.3		8		91				<0.2		1.8	
IM3	Sunny	Moderate	15:01	7.3	Surface	1.0	0.4	222	27.7	27.7	8.1	8.1	23.2	23.2	89.0	89.0	6.2	6.2	6.7	10.7	9	9	85	89	818770	805573	<0.2	<0.2	2.1	2.0
						1.0	0.4	240	27.7		8.1		23.2		89.0		6.2		6.7		9		87				<0.2		2.2	
					Middle	3.7	0.3	227	27.5	27.5	8.2	8.2	24.5	24.5	88.7	88.7	6.1		12.0		8		89				<0.2		2.1	
						3.7	0.3	234	27.5		8.2		24.5		88.7		6.1		12.0		8		90				<0.2		1.9	
					Bottom	6.3	0.2	209	27.4	27.4	8.2	8.2	24.8	24.8	89.3	89.3	6.2	6.2	13.3		10		91				<0.2		1.8	
						6.3	0.2	215	27.4		8.2		24.8		89.3		6.2		13.3		8		92				<0.2		2.0	
IM4	Sunny	Moderate	14:52	6.7	Surface	1.0	0.4	237	27.5	27.5	8.1	8.1	22.6	22.6	86.0	86.0	6.0	6.0	15.7	17.7	11	13	86	89	819751	804621	<0.2	<0.2	2.0	2.0
						1.0	0.4	248	27.5		8.1		22.6		86.0		6.0		15.7		11		85				<0.2		2.0	
					Middle	3.4	0.2	230	27.5	27.5	8.1	8.1	23.6	23.6	85.3	85.3	5.9		19.0		14		89				<0.2		2.2	
						3.4	0.2	236	27.5		8.1		23.6		85.3		5.9		19.0		13		89				<0.2		2.0	
					Bottom	5.7	0.1	260	27.5	27.5	8.1	8.1	24.4	24.4	86.1	86.1	5.9	5.9	18.5		15		92				<0.2		2.0	
						5.7	0.1	264	27.5		8.1		24.4		86.1		5.9		18.5		15		90				<0.2		2.0	
IM5	Sunny	Moderate	14:44	6.8	Surface	1.0	0.6	250	27.6	27.6	8.1	8.1	23.4	23.4	84.8	84.8	5.9	5.9	11.4	13.3	8	10	86	89	820736	804867	<0.2	<0.2	2.4	2.2
						1.0	0.7	271	27.6		8.1		23.4		84.8		5.9		11.4		8		86				<0.2		2.2	
					Middle	3.4	0.5	236	27.5	27.5	8.1	8.1	24.4	24.4	84.7	84.7	5.8		15.2		9		89				<0.2		2.3	
						3.4	0.5	258	27.5		8.1		24.4		84.7		5.8		15.2		8		91				<0.2		2.2	
					Bottom	5.8	0.4	210	27.6	27.6	8.1	8.1	25.3	25.3	91.6	91.6	6.3	6.3	13.3		12		91				<0.2		2.0	
						5.8	0.4	211	27.6		8.1		25.3		91.6		6.3		13.3		12		90				<0.2		2.2	
IM6	Sunny	Moderate	14:38	6.7	Surface	1.0	0.7	247	27.7	27.7	8.1	8.1	23.0	23.0	84.9	84.9	5.9	6.0	6.6	7.8	6	8	87	88	821070	805803	<0.2	<0.2	2.4	2.2
						1.0	0.7	264	27.7		8.1		23.0		84.9		5.9		6.6		7		86				<0.2		2.7	
					Middle	3.4	0.7	248	27.6	27.6	8.1	8.1	23.1	23.1	87.1	87.1	6.0		8.7		8		88				<0.2		2.5	
						3.4	0.7	253	27.6		8.1		23.1		87.1		6.0		8.7		8		88				<0.2		2.0	
					Bottom	5.7	0.5	248	27.7	27.7	8.1	8.1	23.1	23.1	91.3	91.3	6.3	6.3	8.2		8		91				<0.2		1.9	
						5.7	0.6	259	27.7		8.1		23.1		91.3		6.3		8.2		9		90				<0.2		1.9	
IM7	Sunny	Moderate	14:31	6.4	Surface	1.0	0.7	238	27.8	27.8	8.1	8.1	21.2	21.2	85.0	85.0	5.9	6.0	3.6	5.0	3	4	85	88	821348	806820	<0.2	<0.2	3.4	2.8
						1.0	0.7	256	27.8		8.1		21.2		85.0		5.9		3.6		3		87				<0.2		3.2	
					Middle	3.2	0.7	252	27.7	27.7	8.1	8.1	22.2	22.2	85.6	85.6	6.0		5.7		4		90				<0.2		3.0	
						3.2	0.7	260	27.7		8.1		22.2		85.6		6.0		5.7		3		88				<0.2		2.5	
					Bottom	5.4	0.5	260	27.7	27.7	8.1	8.1	22.2	22.2	85.8	85.8	6.0	6.0	5.8		5		91				<0.2		2.5	
						5.4	0.5	280	27.7		8.1		22.2		85.8		6.0		5.8		4		89				<0.2		2.3	
IM8	Sunny	Moderate	14:57	6.8	Surface	1.0	0.4	195	27.7	27.7	8.0	8.0	22.2	22.2	83.7	83.7	5.8	5.8	2.8	3.3	3	4	83	86	821826	808130	<0.2	<0.2	2.5	2.4
						1.0	0.5	200	27.7		8.0		22.3		83.6		5.8		2.8		4		84				<0.2		2.3	
					Middle	3.4	0.3	207	27.7	27.7	8.0	8.0	23.4	23.4	83.5	83.5	5.8		2.9		4		86				<0.2		2.4	
						3.4	0.4	213	27.7		8.0		23.4		83.5		5.8		2.9		4		86				<0.2		2.4	
					Bottom	5.8	0.2	232	27.6	27.6	8.0	8.0	24.2	24.2	83.9	84.0	5.8	5.8	4.3		4		88				<0.2		2.5	
						5.8	0.2	246	27.6		8.0		24.2		84.0		5.8		4.3		5		88				<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 04 October 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	15:04	6.5	Surface	1.0	0.3	207	27.7	27.7	8.0	8.0	22.3	22.3	84.8	84.8	5.9	5.9	2.6	2.5	2	3	84	86	822112	808835	<0.2	<0.2	2.4	2.4
						1.0	0.3	222	27.7		8.0		22.3		84.8		5.9		2.6		3		84				<0.2		2.3	
					Middle	3.3	0.2	255	27.7	27.7	8.0	8.0	23.8	23.8	84.1	84.2	5.8		2.4		3		85				<0.2		2.4	
						3.3	0.2	274	27.7		8.0		23.9		84.2		5.8		2.4		3		86				<0.2		2.5	
					Bottom	5.5	0.2	283	27.6	27.6	8.0	8.0	24.1	24.0	85.4	85.6	5.9	5.9	2.6		3		88				<0.2		2.4	
						5.5	0.2	308	27.6		8.0		24.0		85.7		5.9		2.6		2		88				<0.2		2.4	
IM10	Sunny	Moderate	15:13	6.3	Surface	1.0	0.1	172	27.7	27.7	8.0	8.0	23.3	23.3	84.3	84.2	5.8	5.7	1.9	3.2	4	5	82	86	822414	809795	<0.2	<0.2	2.4	2.5
						1.0	0.1	187	27.7		8.0		23.3		84.0		5.8		1.9		4		84				<0.2		2.6	
					Middle	3.2	0.1	332	27.7	27.7	8.0	8.0	25.3	25.3	80.4	80.4	5.5		2.7		5		85				<0.2		2.5	
						3.2	0.1	305	27.7		8.0		25.4		80.3		5.5		3.0		6		87				<0.2		2.4	
					Bottom	5.3	0.1	312	27.7	27.7	8.0	8.0	25.9	25.9	80.2	80.3	5.5	5.5	4.8		5		88				<0.2		2.4	
						5.3	0.1	333	27.7		8.0		25.9		80.3		5.5		4.7		6		88				<0.2		2.4	
IM11	Sunny	Moderate	15:24	7.2	Surface	1.0	0.1	214	27.9	27.9	8.0	8.0	25.4	25.4	81.9	81.9	5.6	5.6	2.0	3.1	4	4	83	86	822054	811468	<0.2	<0.2	2.4	2.5
						1.0	0.1	235	27.9		8.0		25.5		81.9		5.6		2.1		3		84				<0.2		2.4	
					Middle	3.6	0.1	304	27.8	27.8	8.0	8.0	25.8	25.8	82.5	82.6	5.6		3.1		4		86				<0.2		2.5	
						3.6	0.1	305	27.8		8.0		25.8		82.6		5.6		3.2		5		85				<0.2		2.4	
					Bottom	6.2	0.2	314	27.7	27.7	8.0	8.0	26.0	26.0	83.7	83.8	5.7	5.7	4.2		4		89				<0.2		2.5	
						6.2	0.2	340	27.7		8.0		26.0		83.9		5.7		4.2		5		88				<0.2		2.6	
IM12	Sunny	Moderate	15:32	9.4	Surface	1.0	0.1	244	28.0	28.0	8.0	8.0	25.5	25.5	84.2	84.3	5.7	5.8	2.0	7.2	3	4	85	88	821469	812074	<0.2	<0.2	2.5	2.5
						1.0	0.1	250	28.0		8.0		25.5		84.3		5.7		2.1		4		85				<0.2		2.4	
					Middle	4.7	0.2	289	27.6	27.6	8.0	8.0	25.9	25.9	84.7	84.7	5.8		2.7		4		88				<0.2		2.4	
						4.7	0.2	297	27.6		8.1		25.9		84.7		5.8		2.8		4		90				<0.2		2.5	
					Bottom	8.4	0.3	291	27.4	27.4	8.1	8.1	27.1	27.1	81.6	81.7	5.6	5.6	17.1		4		92				<0.2		2.5	
						8.4	0.3	311	27.4		8.1		27.1		81.7		5.6		16.5		5		89				<0.2		2.4	
SR2	Sunny	Moderate	15:59	4.1	Surface	1.0	0.1	24	27.7	27.7	8.1	8.1	26.1	26.1	89.8	89.8	6.1	6.1	2.0	2.1	4	5	87	89	821474	814163	<0.2	<0.2	2.5	2.5
						1.0	0.1	24	27.7		8.1		26.1		89.8		6.1		2.0		4		87				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	7	27.6	27.6	8.1	8.1	26.2	26.2	90.2	90.3	6.1	6.2	2.2		5		90				<0.2		2.5	
						3.1	0.1	7	27.6		8.1		26.2		90.4		6.2		2.2		5		91				<0.2		2.5	
SR3	Sunny	Moderate	14:51	7.5	Surface	1.0	0.6	185	27.7	27.7	8.0	8.0	20.5	20.5	82.3	82.2	5.8	5.7	3.1	5.5	2	3	-	-	822129	807579	-	-	-	-
						1.0	0.6	194	27.7		8.0		20.6		82.0		5.8		3.1		2		-				-		-	
					Middle	3.8	0.3	220	27.6	27.6	8.0	8.0	24.1	24.1	80.4	80.4	5.5		3.1		2		-				-		-	
						3.8	0.4	220	27.6		8.0		24.1		80.4		5.5		3.1		3		-				-		-	
					Bottom	6.5	0.3	233	27.6	27.6	8.0	8.0	25.6	25.6	79.5	79.6	5.4	5.4	10.4		3		-				-		-	
						6.5	0.4	239	27.6		8.0		25.6		79.6		5.4		10.4		3		-				-		-	
SR4A	Sunny	Moderate	15:58	8.7	Surface	1.0	0.4	256	27.9	27.9	8.2	8.2	26.1	26.1	86.8	86.8	5.9	5.9	11.7	18.6	6	7	-	-	817212	807826	-	-	-	-
						1.0	0.5	266	27.9		8.2		26.1		86.8		5.9		11.7		7		-				-		-	
					Middle	4.4	0.4	247	27.8	27.8	8.2	8.2	26.1	26.1	86.2	86.2	5.9		18.3		7		-				-		-	
						4.4	0.4	252	27.8		8.2		26.1		86.2		5.9		18.3		6		-				-		-	
					Bottom	7.7	0.2	239	27.8	27.8	8.2	8.2	26.1	26.1	86.6	86.6	5.9	5.9	25.8		8		-				-		-	
						7.7	0.2	241	27.8		8.2		26.1		86.6		5.9		25.8		6		-				-		-	
SR5A	Sunny	Moderate	16:18	4.7	Surface	1.0	0.2	316	28.0	28.0	8.1	8.1	25.6	25.6	89.3	89.3	6.1	6.1	6.1	6.1	6	7	-	-	816607	810723	-	-	-	-
						1.0	0.2	341	28.0		8.1		25.6		89.3		6.1		6.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	304	28.0	28.0	8.1	8.1	25.6	25.6	90.7	90.7	6.2	6.2	6.0		7		-				-		-	
						3.7	0.3	307	28.0		8.1		25.6		90.7		6.2		6.0		8		-				-		-	
SR6	Sunny	Moderate	17:12	4.8	Surface	1.0	0.1	256	27.9	27.9	8.2	8.2	25.0	25.0	91.7	91.7	6.3	6.3	7.9	9.5	6	7	-	-	817891	814654	-	-	-	-
						1.0	0.1	279	27.9		8.2		25.0		91.7		6.3		7.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	243	27.9	27.9	8.1	8.1	25.2	25.2	92.1	92.1	6.3	6.3	11.0		7		-				-		-	
						3.8	0.1	260	27.9		8.1		25.2		92.1		6.3		11.0		7		-				-		-	
SR7	Sunny	Moderate	16:55	15.8	Surface	1.0	0.1	281	27.6	27.6	8.1	8.1	27.8	27.8	80.9	80.9	5.5	5.4	1.8	4.1	3	3	-	-	823613	823740	-	-	-	-
						1.0	0.1	297	27.6		8.1		27.8		80.9		5.5		1.9		3		-				-		-	
					Middle	7.9	0.1	75	27.5	27.5	8.1	8.1	28.8	28.8	76.9	76.9	5.2		3.4		3		-				-		-	
						7.9	0.1	75	27.5		8.1		28.8		76.9		5.2		3.3		3		-				-		-	
					Bottom	14.8	0.1	93	27.4	27.4	8.1	8.1	30.1	30.1	75.9	76.0	5.1	5.1	7.0		4		-				-		-	
						14.8	0.1	93	27.4		8.1		30.1		76.0		5.1		7.1		3		-				-		-	
SR8	Sunny	Moderate	15:45	4.9	Surface	1.0	-	-	27.9	27.9	8.0	8.0	25.6	25.6	85.4	85.4	5.8	5.8	2.3	3.0	4	5	-	-	820481	811654	-	-	-	-
						1.0	-	-	27.9		8.0		25.6		85.4		5.8		2.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	27.9	27.9	8.0	8.0	25.6	25.6	85.5	85.6	5.8	5.8	3.8		5		-				-		-	
						3.9	-	-	27.9		8.0		25.6		85.6		5.8		3.3		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 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	Fine	Moderate	09:57	8.1	Surface	1.0	0.9	211	26.8	26.8	8.2	8.2	26.6	26.6	86.4	86.4	6.0	5.9	5.9	6.1	12	13	86	90	815612	804273	<0.2	<0.2	<0.2	1.8	1.9
						1.0	1.0	219	26.8		8.2		26.7		86.4		6.0		6.0		13		87				<0.2			1.8	
					Middle	4.1	0.7	238	26.9	26.9	8.2	8.2	27.2	27.2	84.8	84.9	5.8		6.2		13		89				<0.2	<0.2		1.9	
						4.1	0.7	239	26.9		8.2		27.2		84.9		5.8		6.2		13		89				<0.2			2.0	
					Bottom	7.1	0.6	233	26.9	26.9	8.2	8.2	27.5	27.5	86.0	86.1	5.9	5.9	6.2		13		93				<0.2	<0.2		2.0	
						7.1	0.6	253	26.9		8.2		27.5		86.1		5.9		6.2		14		94				<0.2			1.7	
C2	Fine	Moderate	12:26	11.4	Surface	1.0	0.9	153	27.1	27.1	8.1	8.1	24.9	24.9	91.2	91.2	6.3	6.2	6.7	8.9	3	4	83	86	825666	806948	<0.2	<0.2	<0.2	1.9	2.0
						1.0	1.0	158	27.1		8.1		24.9		91.2		6.3		6.8		3		83				<0.2			1.9	
					Middle	5.7	0.8	145	27.2	27.2	8.2	8.2	25.8	25.8	87.1	87.1	6.0		8.7		3		86				<0.2	<0.2		1.9	
						5.7	0.9	153	27.2		8.2		25.8		87.0		6.0		8.5		4		85				<0.2			2.4	
					Bottom	10.4	0.8	152	27.2	27.2	8.2	8.2	27.0	27.0	89.9	90.0	6.1	6.2	11.1		4		89				<0.2	<0.2		2.1	
						10.4	0.8	166	27.2		8.2		27.0		90.1		6.2		11.6		5		89				<0.2			2.0	
C3	Fine	Moderate	09:44	12.3	Surface	1.0	0.5	92	26.7	26.7	8.2	8.2	27.0	27.0	87.2	87.2	6.0	5.9	1.3	1.7	2	3	86	90	822104	817830	<0.2	<0.2	<0.2	2.3	2.0
						1.0	0.5	93	26.7		8.2		27.0		87.2		6.0		1.3		2		87				<0.2			1.9	
					Middle	6.2	0.4	55	26.8	26.8	8.2	8.2	27.5	27.5	84.7	84.7	5.8		1.6		3		90				<0.2	<0.2		1.9	
						6.2	0.4	56	26.8		8.2		27.5		84.7		5.8		1.7		4		91				<0.2			1.8	
					Bottom	11.3	0.4	43	27.1	27.1	8.2	8.2	28.4	28.4	86.5	86.6	5.9	5.9	2.1		4		93				<0.2	<0.2		2.2	
						11.3	0.4	44	27.1		8.2		28.4		86.7		5.9		2.1		5		94				<0.2			2.0	
IM1	Fine	Moderate	10:21	5.3	Surface	1.0	0.5	176	27.2	27.2	8.2	8.2	26.0	26.0	86.5	86.5	5.9	5.9	9.0	10.1	9	9	83	84	817923	807128	<0.2	<0.2	<0.2	2.3	2.2
						1.0	0.5	183	27.2		8.2		26.0		86.4		5.9		9.1		9		83				<0.2			2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.3	0.1	188	27.1	27.1	8.2	8.2	26.4	26.4	88.5	88.6	6.1	6.1	11.2		9		85				<0.2	<0.2		2.0	
						4.3	0.1	204	27.1		8.2		26.4		88.7		6.1		11.2		9		86				<0.2			2.1	
IM2	Fine	Moderate	10:29	6.7	Surface	1.0	0.8	213	27.3	27.3	8.2	8.2	26.2	26.2	87.5	87.4	6.0	6.0	14.3	16.5	7	8	82	87	818152	806164	<0.2	<0.2	<0.2	2.0	1.9
						1.0	0.9	217	27.2		8.2		26.3		87.2		6.0		14.4		7		83				<0.2			2.0	
					Middle	3.4	0.7	207	27.2	27.2	8.2	8.2	26.4	26.5	86.9	87.0	6.0		16.4		7		86				<0.2	<0.2		1.8	
						3.4	0.8	215	27.1		8.2		26.5		87.0		6.0		17.1		8		86				<0.2			2.0	
					Bottom	5.7	0.4	182	27.1	27.1	8.2	8.2	26.6	26.5	88.5	88.6	6.1	6.1	18.6		8		92				<0.2	<0.2		1.9	
						5.7	0.4	190	27.1		8.2		26.5		88.6		6.1		18.1		9		92				<0.2			1.8	
IM3	Fine	Moderate	10:37	7.1	Surface	1.0	0.9	210	27.0	27.0	8.2	8.2	25.7	25.7	89.7	89.7	6.2	6.2	9.0	12.4	6	6	85	89	818774	805606	<0.2	<0.2	<0.2	2.0	1.9
						1.0	0.9	217	27.0		8.2		25.7		89.7		6.2		9.2		5		86				<0.2			1.9	
					Middle	3.6	0.8	219	26.9	26.9	8.2	8.2	25.8	25.8	89.7	89.7	6.2		11.0		6		89				<0.2	<0.2		1.9	
						3.6	0.9	239	26.9		8.2		25.8		89.7		6.2		11.3		6		90				<0.2			1.8	
					Bottom	6.1	0.6	209	26.9	26.9	8.2	8.2	25.8	25.8	91.1	91.1	6.3	6.3	16.9		7		93				<0.2	<0.2		2.0	
						6.1	0.7	209	26.9		8.2		25.8		91.1		6.3		16.9		7		93				<0.2			1.9	
IM4	Fine	Moderate	10:49	7.0	Surface	1.0	1.1	223	27.1	27.1	8.2	8.2	25.8	25.8	89.5	89.5	6.2	6.2	8.7	12.0	4	6	86	90	819742	804602	<0.2	<0.2	<0.2	2.0	2.0
						1.0	1.2	235	27.1		8.2		25.8		89.5		6.2		8.8		4		86				<0.2			2.0	
					Middle	3.5	0.9	214	27.0	27.0	8.2	8.2	25.9	25.9	90.0	90.0	6.2		14.2		5		89				<0.2	<0.2		2.0	
						3.5	0.9	215	27.0		8.2		25.9		90.0		6.2		14.1		4		90				<0.2			1.8	
					Bottom	6.0	0.6	220	27.0	27.0	8.2	8.2	25.9	25.9	91.4	91.5	6.3	6.3	13.0		8		94				<0.2	<0.2		2.2	
						6.0	0.7	229	27.0		8.2		25.9		91.5		6.3		13.0		9		94				<0.2			2.0	
IM5	Fine	Moderate	11:05	6.3	Surface	1.0	1.0	200	27.0	27.0	8.2	8.2	25.5	25.5	90.9	90.9	6.3	6.3	9.0	10.7	5	6	86	90	820721	804882	<0.2	<0.2	<0.2	2.0	1.9
						1.0	1.0	212	27.0		8.2		25.5		90.9		6.3		9.0		5		87				<0.2			1.8	
					Middle	3.2	0.9	216	26.8	26.8	8.2	8.2	25.9	25.9	89.9	89.9	6.2		10.6		7		89				<0.2	<0.2		2.2	
						3.2	0.9	217	26.8		8.2		25.9		89.8		6.2		10.6		6		90				<0.2			1.9	
					Bottom	5.3	0.7	233	26.8	26.8	8.2	8.2	25.9	25.9	92.0	92.1	6.4	6.4	12.3		6		93				<0.2	<0.2		1.8	
						5.3	0.8	246	26.8		8.2		25.9		92.2		6.4		12.7		7		93				<0.2			1.9	
IM6	Fine	Moderate	11:17	6.1	Surface	1.0	1.2	235	27.0	27.0	8.2	8.2	25.5	25.5	90.9	90.9	6.3	6.3	8.6	9.9	6	7	86	90	821078	805851	<0.2	<0.2	<0.2	1.8	1.8
						1.0	1.2	249	27.0		8.2		25.5		90.9		6.3		8.6		6		87				<0.2			1.8	
					Middle	3.1	1.1	231	26.8	26.8	8.2	8.2	25.8	25.8	90.0	90.0	6.2		9.8		6		89				<0.2	<0.2		1.8	
						3.1	1.2	243	26.8		8.2		25.8		90.0		6.2		9.9		7		89				<0.2			1.8	
					Bottom	5.1	0.8	239	26.7	26.7	8.2	8.2	25.9	25.9	90.5	90.6	6.3	6.3	11.4		8		94				<0.2	<0.2		1.9	
						5.1	0.9	253	26.7		8.2		25.9		90.6		6.3		11.3		7		95				<0.2			1.8	
IM7	Fine	Moderate	11:38	7.3	Surface	1.0	1.0	250	27.1	27.1	8.2	8.2	25.6	25.6	90.6	90.6	6.2	6.3	8.5	9.2	5	5	85	90	821344	806814	<0.2	<0.2	<0.2	1.9	1.9
						1.0	1.1	266	27.1		8.2		25.6		90.5		6.2		8.5		4		85				<0.2			1.9	
					Middle	3.7	0.9	243	26.9	26.9	8.2	8.2	25.8	25.8	90.8	90.8	6.3		9.1		5		90				<0.2	<0.2		1.9	
						3.7	0.9	261	26.9		8.2		25.8		90.8		6.3		9.1		5		90				<0.2			1.7	
					Bottom	6.3	0.9	249	26.7	26.7	8.2	8.2	26.0	26.0	92.1	92.1	6.4	6.4	10.0		6		94				<0.2	<0.2		1.9	
						6.3	0.9	255	26.7		8.2		26.0		92.1		6.4		10.0		6		95				<0.2			2.2	
IM8	Fine	Moderate	11:55	7.5	Surface	1.0	0.4	156	27.0	26.9	8.2	8.2	26.1	26.1	91.5	91.5	6.3	6.4	5.4	5.9	5	6	86	88	821817	808133	<0.2	<0.2	<0.2	2.1	1.9
						1.0	0.5	163	26.9		8.2		26.1		91.5		6.3		5.4		6		86				<0.2			1.9	
					Middle	3.8	0.3	173	26.7	26.7	8.2	8.2	26.3	26.3	92.3	92.4	6.4		6.1		6		88				<0.2	<0.2		1.9	
						3.8	0.4	187	26.7		8.2		26.3		92.4		6.4		6.1		6		88				<0.2			1.8	
					Bottom	6.5	0.2	175	26.7	26.7	8.2	8.2	26.4	26.4	94.9	95.0	6.6	6.6	6.2		6		90				<0.2	<0.2		1.8	
						6.5	0.2	184	26.7		8.2		26.4		95.1		6.6		6.4		6		91				<0.2			1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 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	Fine	Moderate	11:49	7.2	Surface	1.0	0.5	132	27.1	27.0	8.2	8.2	25.8	25.8	91.2	91.2	6.3	6.3	5.3	6.9	6	6	86	89	822081	808793	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.5	137	27.0		8.2		25.8		91.1		6.3		5.4		5		87				<0.2			1.9	
					Middle	3.6	0.4	115	26.7	26.7	8.2	8.2	26.3	26.3	91.0	91.0	6.3		7.0		5		88				<0.2	<0.2		1.9	
						3.6	0.4	115	26.7		8.2		26.3		91.0		6.3		7.0		6		89				<0.2			1.9	
					Bottom	6.2	0.3	95	26.7	26.7	8.2	8.2	26.4	26.4	92.0	92.1	6.4	6.4	8.1		6		92				<0.2	<0.2		1.8	
						6.2	0.3	101	26.7		8.2		26.4		92.1		6.4		8.3		6		92				<0.2			1.9	
IM10	Fine	Moderate	11:26	7.3	Surface	1.0	0.7	110	26.9	26.9	8.2	8.2	26.0	26.0	90.3	90.2	6.2	6.2	5.3	7.2	5	7	87	90	822363	809809	<0.2	<0.2	<0.2	1.9	2.0
						1.0	0.8	110	26.9		8.2		26.0		90.1		6.2		5.5		6		87				<0.2			2.2	
					Middle	3.7	0.7	95	26.8	26.8	8.2	8.2	26.4	26.4	89.0	89.1	6.1		7.6		6		89				<0.2	<0.2		1.9	
						3.7	0.7	101	26.8		8.2		26.4		89.1		6.1		7.7		6		89				<0.2			1.9	
					Bottom	6.3	0.4	97	26.8	26.8	8.2	8.2	26.5	26.5	90.4	90.5	6.2	6.2	8.4		8		93				<0.2	<0.2		2.2	
						6.3	0.4	106	26.8		8.2		26.5		90.5		6.2		8.5		8		93				<0.2			2.1	
IM11	Fine	Moderate	11:26	7.0	Surface	1.0	0.7	104	27.1	27.1	8.2	8.2	26.2	26.2	89.4	89.4	6.1	6.2	12.8	16.5	7	7	86	90	822041	811448	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.7	110	27.1		8.2		26.2		89.4		6.2		13.1		7		87				<0.2			1.8	
					Middle	3.5	0.6	98	27.0	27.0	8.2	8.2	26.4	26.4	89.4	89.4	6.2		19.0		7		90				<0.2	<0.2		1.8	
						3.5	0.7	104	27.0		8.2		26.4		89.4		6.2		19.2		6		90				<0.2			1.8	
					Bottom	6.0	0.5	101	27.0	27.0	8.2	8.2	26.4	26.4	90.6	90.7	6.2	6.2	17.7		8		93				<0.2	<0.2		1.9	
						6.0	0.5	110	27.0		8.2		26.4		90.7		6.2		17.4		8		92				<0.2			1.9	
IM12	Fine	Moderate	11:19	7.5	Surface	1.0	0.6	105	27.0	27.0	8.2	8.2	26.1	26.1	90.3	90.3	6.2	6.2	12.6	18.0	12	13	86	90	821437	812057	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.7	113	27.0		8.2		26.1		90.3		6.2		12.6		12		86				<0.2			1.7	
					Middle	3.8	0.6	106	26.9	26.9	8.2	8.2	26.2	26.2	90.4	90.4	6.2		17.5		13		90				<0.2	<0.2		1.8	
						3.8	0.6	113	26.9		8.2		26.2		90.4		6.2		17.7		13		90				<0.2			1.8	
					Bottom	6.5	0.4	109	26.9	26.9	8.2	8.2	26.2	26.2	91.4	91.5	6.3	6.3	23.9		13		93				<0.2	<0.2		1.8	
						6.5	0.4	117	26.9		8.2		26.2		91.5		6.3		23.9		13		93				<0.2			1.9	
SR2	Fine	Moderate	10:47	4.6	Surface	1.0	0.5	66	27.1	27.1	8.2	8.2	26.4	26.4	89.0	89.1	6.1	6.1	5.6	6.3	4	4	86	89	821464	814159	<0.2	<0.2	<0.2	1.7	1.8
						1.0	0.5	67	27.1		8.2		26.4		89.1		6.1		5.7		4		86				<0.2			1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.6	0.2	48	27.1	27.1	8.2	8.2	26.8	26.8	92.1	92.2	6.3	6.3	7.0		4		90				<0.2	<0.2		1.8	
						3.6	0.2	52	27.1		8.2		26.8		92.3		6.3		6.9		5		92				<0.2			1.9	
SR3	Fine	Moderate	12:02	8.6	Surface	1.0	0.6	200	27.1	27.1	8.2	8.2	26.2	26.2	90.6	90.6	6.2	6.2	7.8	11.6	4	5	-	-	822136	807549	-	-	-	-	-
						1.0	0.6	207	27.1		8.2		26.2		90.6		6.2		7.9		4		-				-			-	
					Middle	4.3	0.5	207	26.9	26.9	8.2	8.2	26.3	26.3	90.6	90.7	6.2		12.7		6		-				-	-		-	
						4.3	0.5	223	26.9		8.2		26.3		90.7		6.3		12.9		5		-				-			-	
					Bottom	7.6	0.4	216	26.9	26.9	8.2	8.2	26.3	26.3	91.4	91.5	6.3	6.3	14.1		6		-				-	-		-	
						7.6	0.4	237	26.9		8.2		26.3		91.5		6.3		14.3		5		-				-			-	
SR4A	Fine	Calm	09:40	9.5	Surface	1.0	0.3	247	26.8	26.8	8.2	8.2	26.6	26.6	86.5	86.5	6.0	6.0	6.2	6.4	6	6	-	-	817209	807832	-	-	-	-	-
						1.0	0.3	270	26.8		8.2		26.6		86.5		6.0		6.1		6		-				-			-	
					Middle	4.8	0.3	244	26.9	26.9	8.2	8.2	26.9	26.9	85.6	85.6	5.9		6.3		6		-				-	-		-	
						4.8	0.3	251	26.9		8.2		26.9		85.5		5.9		6.3		6		-				-			-	
					Bottom	8.5	0.3	256	27.0	27.0	8.2	8.2	27.6	27.6	86.3	86.4	5.9	5.9	6.6		7		-				-	-		-	
						8.5	0.3	258	27.0		8.2		27.6		86.4		5.9		6.6		6		-				-			-	
SR5A	Fine	Calm	09:25	4.6	Surface	1.0	0.1	333	27.0	27.0	8.1	8.1	28.1	28.1	81.7	81.5	5.6	5.6	7.0	7.1	4	4	-	-	816601	810669	-	-	-	-	-
						1.0	0.1	335	27.0		8.1		28.1		81.2		5.5		7.0		4		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.6	0.3	304	27.1	27.1	8.1	8.1	28.3	28.3	81.2	81.2	5.5	5.5	7.1		5		-				-	-		-	
						3.6	0.3	332	27.1		8.1		28.3		81.2		5.5		7.1		4		-				-			-	
SR6	Fine	Calm	08:59	4.3	Surface	1.0	0.1	66	27.1	27.1	8.1	8.1	28.2	28.2	80.6	80.5	5.5	5.5	7.4	7.7	5	6	-	-	817883	814668	-	-	-	-	-
						1.0	0.1	66	27.1		8.1		28.2		80.4		5.5		7.4		5		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.3	0.0	300	27.2	27.2	8.1	8.1	28.8	28.8	81.0	81.1	5.5	5.5	8.0		6		-				-	-		-	
						3.3	0.0	305	27.2		8.1		28.8		81.1		5.5		8.0		6		-				-			-	
SR7	Fine	Moderate	09:13	19.8	Surface	1.0	0.5	55	27.0	27.0	8.2	8.2	28.3	28.3	79.9	79.9	5.4	5.4	2.9	4.3	3	4	-	-	823657	823720	-	-	-	-	-
						1.0	0.5	57	27.0		8.2		28.3		79.8		5.4		3.0		3		-				-			-	
					Middle	9.9	0.4	47	27.2	27.2	8.1	8.1	29.2	29.2	78.4	78.5	5.3		5.4		3		-				-	-		-	
						9.9	0.4	51	27.2		8.1		29.2		78.5		5.3		5.4		4		-				-			-	
					Bottom	18.8	0.3	38	27.3	27.3	8.1	8.1	29.3	29.3	79.4	79.5	5.4	5.4	4.5		4		-				-	-		-	
						18.8	0.3	40	27.3		8.1		29.3		79.5		5.4		4.3		4		-				-			-	
SR8	Fine	Calm	11:06	4.9	Surface	1.0	-	-	27.3	27.3	8.3	8.3	26.6	26.6	89.2	89.2	6.1	6.1	11.1	13.1	3	5	-	-	820518	811632	-	-	-	-	-
						1.0	-	-	27.3		8.3		26.6		89.2		6.1		11.2		3		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.9	-	-	27.1	27.1	8.2	8.2	27.0	27.0	92.5	92.6	6.3	6.3	15.0		7		-				-	-		-	
						3.9	-	-	27.1		8.2		27.0		92.7		6.3		15.0		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. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 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	17:24	8.2	Surface	1.0	0.1	166	27.4	27.4	8.2	8.2	26.0	26.0	88.0	88.0	6.0	6.0	10.4	10.7	6	7	87	90	815613	804233	<0.2	<0.2	<0.2	1.9	2.0
						1.0	0.1	169	27.4		8.2		26.0		88.0		6.0		10.5		6		87				<0.2			1.9	
					Middle	4.1	0.1	90	27.4	27.4	8.2	8.2	26.0	26.0	88.0	88.0	6.0		10.9		6		90				<0.2	<0.2		2.0	
						4.1	0.1	96	27.4		8.2		26.0		88.0		6.0		10.9		7		90				<0.2			2.0	
					Bottom	7.2	0.1	70	27.4	27.4	8.2	8.2	25.9	25.9	88.5	88.6	6.1	6.1	10.6		8		93				<0.2	<0.2		2.0	
						7.2	0.1	74	27.4		8.2		25.9		88.6		6.1		10.6		7		94				<0.2			1.9	
C2	Sunny	Moderate	15:58	10.9	Surface	1.0	0.9	165	27.6	27.6	8.1	8.1	23.8	23.8	88.2	88.2	6.1	6.0	8.4	11.2	4	5	86	90	825689	806923	<0.2	<0.2	<0.2	2.4	2.0
						1.0	0.9	180	27.6		8.1		23.8		88.1		6.1		8.5		5		86				<0.2			2.5	
					Middle	5.5	0.6	153	27.2	27.2	8.1	8.1	25.7	25.7	84.2	84.2	5.8		10.8		5		89				<0.2	<0.2		1.7	
						5.5	0.7	153	27.2		8.1		25.7		84.1		5.8		10.3		5		90				<0.2			1.8	
					Bottom	9.9	0.4	148	27.3	27.3	8.1	8.1	26.7	26.7	85.0	85.1	5.8	5.8	14.3		5		93				<0.2	<0.2		1.8	
						9.9	0.5	158	27.3		8.1		26.7		85.1		5.8		14.7		6		93				<0.2			2.0	
C3	Sunny	Moderate	17:50	11.6	Surface	1.0	0.5	253	27.4	27.4	8.2	8.2	26.8	26.8	86.8	86.7	5.9	5.8	4.5	6.4	3	4	85	90	822112	817782	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.5	277	27.4		8.2		26.8		86.6		5.9		4.6		3		87				<0.2			1.9	
					Middle	5.8	0.5	250	27.2	27.2	8.2	8.2	27.4	27.4	83.5	83.5	5.7		6.4		3		90				<0.2	<0.2		2.0	
						5.8	0.6	263	27.2		8.2		27.4		83.5		5.7		6.5		4		90				<0.2			2.0	
					Bottom	10.6	0.5	249	27.3	27.3	8.2	8.2	27.8	27.8	86.3	86.5	5.9	5.9	8.1		5		93				<0.2	<0.2		1.9	
						10.6	0.5	249	27.3		8.2		27.8		86.6		5.9		8.0		4		93				<0.2			1.9	
IM1	Sunny	Moderate	17:03	4.3	Surface	1.0	0.3	22	27.5	27.5	8.2	8.2	25.9	25.9	89.4	89.4	6.1	6.1	9.6	10.0	4	5	87	88	817948	807107	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.3	22	27.5		8.2		25.9		89.4		6.1		9.7		4		87				<0.2			1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.3	0.3	29	27.3	27.3	8.2	8.2	25.9	25.9	91.8	91.9	6.3	6.3	10.3		6		89				<0.2	<0.2		2.0	
						3.3	0.3	29	27.3		8.2		25.9		92.0		6.3		10.3		7		90				<0.2			1.9	
IM2	Sunny	Moderate	16:56	6.6	Surface	1.0	0.3	216	27.4	27.4	8.2	8.1	25.8	25.8	88.3	88.3	6.1	6.1	8.8	9.9	3	4	86	90	818150	806181	<0.2	<0.2	<0.2	1.8	1.9
						1.0	0.3	220	27.4		8.1		25.8		88.2		6.0		9.0		3		86				<0.2			2.0	
					Middle	3.3	0.1	12	27.4	27.4	8.1	8.1	25.9	25.9	88.4	88.4	6.1		9.9		3		89				<0.2	<0.2		1.9	
						3.3	0.1	12	27.4		8.1		25.9		88.4		6.1		9.9		4		90				<0.2			2.0	
					Bottom	5.6	0.2	18	27.4	27.4	8.2	8.2	25.9	25.9	89.9	90.0	6.2	6.2	11.0		6		94				<0.2	<0.2		2.0	
						5.6	0.2	19	27.4		8.2		25.9		90.0		6.2		10.9		5		94				<0.2			1.9	
IM3	Sunny	Moderate	16:48	7.1	Surface	1.0	0.6	231	27.6	27.6	8.1	8.1	24.7	24.7	89.4	89.4	6.1	6.2	8.4	8.8	3	4	87	90	818812	805598	<0.2	<0.2	<0.2	1.8	2.1
						1.0	0.7	246	27.6		8.1		24.7		89.4		6.2		8.3		4		86				<0.2			2.0	
					Middle	3.6	0.3	260	27.4	27.4	8.1	8.1	25.3	25.3	89.7	89.7	6.2		8.7		4		89				<0.2	<0.2		2.0	
						3.6	0.3	261	27.4		8.1		25.3		89.7		6.2		8.7		4		90				<0.2			2.3	
					Bottom	6.1	0.2	328	27.3	27.3	8.2	8.2	25.8	25.8	91.7	91.8	6.3	6.3	9.4		4		94				<0.2	<0.2		2.2	
						6.1	0.3	358	27.3		8.2		25.8		91.9		6.3		9.4		5		94				<0.2			2.2	
IM4	Sunny	Moderate	16:39	7.0	Surface	1.0	0.3	246	27.5	27.5	8.1	8.1	25.0	25.0	89.0	89.1	6.1	6.1	9.7	10.4	5	6	86	90	819734	804614	<0.2	<0.2	<0.2	2.3	2.2
						1.0	0.4	267	27.5		8.1		25.0		89.1		6.1		9.8		5		86				<0.2			1.9	
					Middle	3.5	0.3	210	27.4	27.4	8.1	8.1	25.3	25.3	89.1	89.1	6.1		10.5		6		89				<0.2	<0.2		2.1	
						3.5	0.3	222	27.4		8.1		25.3		89.1		6.1		10.5		5		90				<0.2			2.2	
					Bottom	6.0	0.5	200	27.4	27.4	8.1	8.1	25.5	25.5	90.6	90.7	6.2	6.2	11.1		7		94				<0.2	<0.2		2.3	
						6.0	0.5	207	27.4		8.1		25.5		90.8		6.2		10.8		6		94				<0.2			2.4	
IM5	Sunny	Moderate	16:27	6.3	Surface	1.0	0.9	232	27.4	27.4	8.1	8.1	25.0	25.0	89.6	89.6	6.2	6.2	10.8	11.4	6	7	86	90	820733	804843	<0.2	<0.2	<0.2	2.4	2.3
						1.0	1.0	232	27.4		8.1		25.0		89.6		6.2		10.8		7		87				<0.2			2.3	
					Middle	3.2	1.0	222	27.4	27.4	8.1	8.1	25.1	25.1	90.0	90.1	6.2		11.2		7		89				<0.2	<0.2		2.2	
						3.2	1.0	242	27.4		8.1		25.1		90.1		6.2		11.2		7		90				<0.2			2.3	
					Bottom	5.3	0.9	219	27.4	27.4	8.1	8.1	25.3	25.3	91.3	91.3	6.3	6.3	12.0		8		92				<0.2	<0.2		2.4	
						5.3	0.9	234	27.4		8.1		25.3		91.3		6.3		12.1		9		93				<0.2			2.2	
IM6	Sunny	Moderate	16:14	6.1	Surface	1.0	0.9	261	27.5	27.5	8.1	8.1	24.4	24.4	89.2	89.3	6.1	6.1	12.0	14.9	4	5	86	90	821049	805838	<0.2	<0.2	<0.2	2.2	2.2
						1.0	1.0	275	27.5		8.1		24.4		89.3		6.2		12.1		4		86				<0.2			2.9	
					Middle	3.1	0.9	269	27.3	27.3	8.1	8.1	25.4	25.4	88.9	89.0	6.1		15.7		5		89				<0.2	<0.2		1.9	
						3.1	1.0	294	27.3		8.1		25.4		89.0		6.1		15.8		6		90				<0.2			1.9	
					Bottom	5.1	0.7	230	27.3	27.3	8.1	8.1	25.6	25.6	91.5	91.6	6.3	6.3	17.6		6		93				<0.2	<0.2		2.0	
						5.1	0.8	240	27.3		8.1		25.6		91.7		6.3		16.4		6		93				<0.2			2.0	
IM7	Sunny	Moderate	15:58	7.5	Surface	1.0	1.0	249	27.6	27.6	8.1	8.1	23.3	23.3	88.4	88.4	6.1	6.0	10.5	15.4	5	6	86	90	821340	806846	<0.2	<0.2	<0.2	1.9	2.0
						1.0	1.0	250	27.6		8.1		23.3		88.4		6.1		10.5		5		87				<0.2			2.0	
					Middle	3.8	0.9	261	27.3	27.3	8.1	8.1	24.5	24.5	85.1	85.1	5.9		15.2		6		90				<0.2	<0.2		1.9	
						3.8	0.9	270	27.3		8.1		24.5		85.1		5.9		15.3		6		90				<0.2			2.0	
					Bottom	6.5	0.8	240	27.3	27.3	8.1	8.1	25.9	25.9	84.3	84.3	5.8	5.8	20.4		6		93				<0.2	<0.2		2.0	
						6.5	0.8	250	27.3		8.1		25.9		84.3		5.8		20.5		6		93				<0.2			2.2	
IM8	Sunny	Moderate	16:21	6.8	Surface	1.0	0.4	203	27.4	27.4	8.1	8.1	25.4	25.4	91.1	91.1	6.3	6.3	7.9	9.4	4	7	86	90	821850	808147	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.4	214	27.4		8.1		25.4		91.1		6.3		7.9		5		87				<0.2			2.1	
					Middle	3.4	0.3	210	27.4	27.4	8.2	8.2	25.6	25.6	92.1	92.2	6.3		9.4		7		89				<0.2	<0.2		2.0	
						3.4	0.3	227	27.4		8.2		25.6		92.2		6.3		9.6		8		90				<0.2			2.0	
					Bottom	5.8	0.3	232	27.3	27.3	8.2	8.2	25.8	25.8	94.5	94.7	6.5	6.5	10.8		9		94				<0.2	<0.2		2.0	
						5.8	0.3	241	27.3		8.2		25.8		94.9		6.5		10.9		9		95				<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 06 October 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	Sunny	Moderate	16:28	6.2	Surface	1.0	0.3	166	27.5	27.5	8.1	8.1	25.4	25.4	89.2	89.2	6.1	6.1	5.3	6.0	7	8	87	90	822108	808799	<0.2	<0.2	<0.2	2.1	1.9
						1.0	0.4	174	27.5		8.1		25.4		89.2		6.1		5.3		6		87				<0.2			2.1	
					Middle	3.1	0.2	195	27.4	27.4	8.1	8.1	25.7	25.7	89.3	89.3	6.1		6.2		7		89				<0.2	<0.2		2.0	
						3.1	0.2	200	27.4		8.1		25.7		89.3		6.1		6.3		8		90				<0.2			1.8	
					Bottom	5.2	0.2	213	27.4	27.4	8.1	8.1	25.9	25.9	90.1	90.2	6.2	6.2	6.5		9		93				<0.2	<0.2		1.8	
						5.2	0.2	231	27.4		8.1		25.9		90.2		6.2		6.5		8		94				<0.2			1.8	
IM10	Sunny	Moderate	16:36	6.1	Surface	1.0	0.3	124	27.6	27.6	8.1	8.1	25.1	25.1	89.7	89.7	6.2	6.2	4.2	4.6	5	6	86	89	822410	809786	<0.2	<0.2	<0.2	1.9	2.0
						1.0	0.3	124	27.6		8.1		25.1		89.6		6.2		4.3		5		87				<0.2			1.9	
					Middle	3.1	0.2	133	27.4	27.4	8.1	8.1	25.8	25.8	89.6	89.7	6.1		4.7		6		89				<0.2	<0.2		2.1	
						3.1	0.2	133	27.4		8.1		25.8		89.7		6.1		4.6		6		90				<0.2			2.0	
					Bottom	5.1	-	263	27.3	27.3	8.2	8.2	26.0	26.0	91.5	91.7	6.3	6.3	5.0		7		92				<0.2	<0.2		2.3	
						5.1	-	282	27.3		8.2		26.0		91.8		6.3		5.0		6		92				<0.2			2.0	
IM11	Sunny	Moderate	16:47	6.6	Surface	1.0	0.1	275	27.4	27.4	8.2	8.2	26.2	26.2	89.3	89.3	6.1	6.1	4.3	5.1	6	6	88	91	822070	811466	<0.2	<0.2	<0.2	2.3	2.2
						1.0	0.1	301	27.4		8.2		26.2		89.2		6.1		4.4		5		89				<0.2			2.2	
					Middle	3.3	0.1	326	27.4	27.4	8.2	8.2	26.3	26.3	89.0	89.1	6.1		5.4		5		91				<0.2	<0.2		2.1	
						3.3	0.1	355	27.4		8.2		26.3		89.1		6.1		5.4		6		91				<0.2			2.1	
					Bottom	5.6	0.1	333	27.4	27.4	8.2	8.2	26.3	26.3	90.4	90.5	6.2	6.2	5.6		7		93				<0.2	<0.2		2.1	
						5.6	0.2	343	27.4		8.2		26.3		90.5		6.2		5.6		8		93				<0.2			2.2	
IM12	Sunny	Moderate	16:54	7.6	Surface	1.0	0.1	280	27.5	27.5	8.2	8.2	26.4	26.4	90.0	90.0	6.1	6.2	6.0	8.0	4	5	86	90	821440	812069	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.1	302	27.5		8.2		26.4		90.0		6.1		6.1		4		87				<0.2			2.0	
					Middle	3.8	0.1	319	27.4	27.4	8.2	8.2	26.4	26.4	91.3	91.4	6.2		8.4		5		89				<0.2	<0.2		2.0	
						3.8	0.2	343	27.4		8.2		26.4		91.4		6.2		8.4		4		90				<0.2			2.0	
					Bottom	6.6	0.2	318	27.3	27.3	8.2	8.2	26.4	26.4	94.0	94.1	6.4	6.4	9.5		5		94				<0.2	<0.2		2.1	
						6.6	0.2	329	27.3		8.2		26.4		94.2		6.4		9.4		5		94				<0.2			2.1	
SR2	Sunny	Moderate	17:20	4.2	Surface	1.0	0.2	315	27.1	27.1	8.2	8.2	26.2	26.2	93.2	93.2	6.4	6.4	6.5	7.8	7	8	86	88	821461	814172	<0.2	<0.2	<0.2	2.0	2.1
						1.0	0.2	322	27.1		8.2		26.2		93.2		6.4		6.6		7		86				<0.2			2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.2	0.2	299	27.0	27.0	8.2	8.2	26.4	26.4	96.2	96.3	6.6	6.6	8.9		9		90				<0.2	<0.2		2.1	
						3.2	0.2	321	27.0		8.2		26.4		96.4		6.6		9.2		8		91				<0.2			2.2	
SR3	Sunny	Moderate	16:14	8.2	Surface	1.0	0.6	175	27.6	27.6	8.1	8.1	24.6	24.6	90.6	90.6	6.2	6.2	7.7	12.2	2	4	-	-	822122	807574	-	-	-	-	-
						1.0	0.6	181	27.6		8.1		24.6		90.5		6.2		7.9		3		-				-			-	
					Middle	4.1	0.5	197	27.3	27.3	8.2	8.2	25.9	25.9	89.8	89.9	6.2		13.3		4		-				-	-		-	
						4.1	0.5	209	27.3		8.2		25.9		89.9		6.2		13.4		5		-				-			-	
					Bottom	7.2	0.4	206	27.3	27.3	8.2	8.2	26.0	26.0	92.8	92.9	6.4	6.4	15.5		5		-				-	-		-	
						7.2	0.4	208	27.3		8.2		26.0		93.0		6.4		15.5		6		-				-			-	
SR4A	Sunny	Moderate	17:42	8.7	Surface	1.0	0.5	255	27.0	27.0	8.2	8.2	25.8	25.8	89.6	89.6	6.2	6.2	11.6	12.9	4	6	-	-	817170	807789	-	-	-	-	-
						1.0	0.6	278	27.0		8.2		25.9		89.5		6.2		12.1		5		-				-			-	
					Middle	4.4	0.5	248	27.0	27.0	8.2	8.2	25.9	25.9	89.6	89.7	6.2		13.0		6		-				-	-		-	
						4.4	0.6	264	27.0		8.2		25.9		89.8		6.2		13.1		6		-				-			-	
					Bottom	7.7	0.4	243	27.0	27.0	8.2	8.2	25.9	25.9	90.5	90.6	6.2	6.2	13.6		7		-				-	-		-	
						7.7	0.4	244	27.0		8.2		25.9		90.6		6.2		14.0		7		-				-			-	
SR5A	Sunny	Calm	17:58	4.3	Surface	1.0	0.4	311	27.4	27.4	8.2	8.2	26.3	26.3	87.9	87.9	6.0	6.0	8.6	8.9	6	6	-	-	816566	810705	-	-	-	-	-
						1.0	0.5	336	27.4		8.2		26.3		87.9		6.0		8.6		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.3	0.3	310	27.4	27.4	8.2	8.2	26.4	26.4	87.8	87.9	6.0	6.0	9.1		6		-				-	-		-	
						3.3	0.4	328	27.4		8.2		26.4		87.9		6.0		9.1		7		-				-			-	
SR6	Fine	Calm	18:24	4.2	Surface	1.0	0.2	209	27.5	27.4	8.2	8.2	26.3	26.3	88.6	88.5	6.1	6.1	8.4	8.6	6	7	-	-	817885	814681	-	-	-	-	-
						1.0	0.2	220	27.4		8.2		26.3		88.4		6.0		8.5		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.2	0.1	216	27.4	27.4	8.2	8.2	26.4	26.4	87.9	88.0	6.0	6.0	8.7		7		-				-	-		-	
						3.2	0.1	229	27.4		8.2		26.4		88.0		6.0		8.7		7		-				-			-	
SR7	Sunny	Moderate	18:27	19.3	Surface	1.0	0.1	55	27.4	27.4	8.2	8.2	27.2	27.2	85.4	85.4	5.8	5.8	3.5	5.1	5	5	-	-	823612	823716	-	-	-	-	-
						1.0	0.1	55	27.4		8.2		27.2		85.3		5.8		3.6		4		-				-			-	
					Middle	9.7	0.3	106	27.3	27.3	8.2	8.2	28.2	28.2	83.4	83.4	5.7		5.9		4		-				-	-		-	
						9.7	0.3	108	27.3		8.2		28.2		83.4		5.7		6.0		6		-				-			-	
					Bottom	18.3	0.3	86	27.3	27.3	8.2	8.2	28.3	28.3	85.1	85.2	5.8	5.8	5.8		6		-				-	-		-	
						18.3	0.4	89	27.3		8.2		28.3		85.3		5.8		5.8		5		-				-			-	
SR8	Sunny	Calm	17:05	4.8	Surface	1.0	-	-	27.3	27.3	8.2	8.2	26.1	26.1	97.2	97.3	6.7	6.7	6.0	10.9	6	7	-	-	820491	811688	-	-	-	-	-
						1.0	-	-	27.3		8.2		26.1		97.3		6.7		6.1		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.8	-	-	27.0	27.0	8.2	8.2	26.1	26.1	99.0	99.1	6.8	6.8	15.7		7		-				-	-		-	
						3.8	-	-	27.0		8.2		26.1		99.2		6.8		15.7		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. 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 09 October 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	Calm	12:31	8.9	Surface	1.0	0.1	138	27.3	27.3	8.2	8.2	27.7	27.7	95.2	95.2	6.5	6.5	8.7	12.2	8	9	87	90	815624	804238	<0.2	<0.2	0.9	1.0
						1.0	0.1	148	27.3		8.2		27.7		95.2		6.5		8.8		9		87				<0.2		1.0	
					Middle	4.5	0.2	203	27.2	27.2	8.2	8.2	28.8	28.8	94.8	94.8	6.4		13.0		8		90				<0.2		1.0	
						4.5	0.2	216	27.2		8.2		28.8		94.8		6.4		13.1		9		91				<0.2		1.0	
					Bottom	7.9	0.2	228	27.2	27.2	8.2	8.2	29.1	29.1	94.6	94.6	6.4	6.4	14.8		12		93				<0.2		0.9	
						7.9	0.2	233	27.2		8.2		29.1		94.6		6.4		14.7		10		92				<0.2		1.0	
C2	Fine	Moderate	11:23	13.0	Surface	1.0	0.2	56	27.5	27.5	8.1	8.1	25.5	25.5	86.9	86.9	6.0	6.0	18.4	20.2	11	12	84	87	825695	806945	<0.2	<0.2	1.4	1.4
						1.0	0.2	58	27.5		8.1		25.5		86.9		6.0		18.7		11		84				<0.2		1.4	
					Middle	6.5	0.3	81	27.4	27.4	8.1	8.1	26.1	26.1	87.2	87.2	6.0		19.6		11		88				<0.2		1.4	
						6.5	0.3	83	27.4		8.1		26.1		87.2		6.0		20.1		10		87				<0.2		1.4	
					Bottom	12.0	0.4	50	27.4	27.4	8.1	8.1	26.5	26.5	87.8	87.8	6.0	6.0	22.1		13		90				<0.2		1.5	
						12.0	0.5	51	27.4		8.1		26.5		87.7		6.0		22.2		13		91				<0.2		1.4	
C3	Misty	Moderate	13:11	12.6	Surface	1.0	0.6	69	27.6	27.6	8.2	8.2	26.8	26.8	85.4	85.4	5.8	5.7	10.7	14.0	8	9	85	90	822088	817796	<0.2	<0.2	1.0	1.0
						1.0	0.6	69	27.6		8.2		26.8		85.4		5.8		10.7		8		86				<0.2		0.9	
					Middle	6.3	0.4	80	27.4	27.4	8.1	8.1	27.6	27.6	81.3	81.3	5.5		14.0		9		90				<0.2		1.0	
						6.3	0.4	84	27.4		8.1		27.6		81.3		5.5		14.1		8		90				<0.2		1.0	
					Bottom	11.6	0.5	104	27.4	27.4	8.1	8.1	28.0	28.0	81.4	81.4	5.5	5.5	17.1		9		93				<0.2		1.0	
						11.6	0.5	108	27.4		8.1		28.0		81.4		5.5		17.1		10		93				<0.2		1.0	
IM1	Cloudy	Calm	12:12	5.5	Surface	1.0	0.1	210	27.5	27.5	8.2	8.2	27.8	27.8	91.7	91.7	6.2	6.2	12.4	15.5	7	8	85	90	817961	807115	<0.2	<0.2	1.0	1.0
						1.0	0.1	215	27.5		8.2		27.8		91.7		6.2		12.6		7		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	204	27.2	27.2	8.1	8.1	28.3	28.3	91.5	91.8	6.2	6.2	18.8		9		94				<0.2		0.9	
						4.5	0.1	218	27.2		8.1		28.3		92.1		6.2		18.1		9		95				<0.2		0.9	
IM2	Cloudy	Moderate	12:05	7.6	Surface	1.0	0.0	76	27.3	27.3	8.2	8.2	28.4	28.4	95.6	95.6	6.5	6.5	10.3	12.1	6	9	85	90	818168	806162	<0.2	<0.2	0.8	0.8
						1.0	0.0	83	27.3		8.2		28.4		95.5		6.5		10.4		7		87				<0.2		0.9	
					Middle	3.8	0.1	24	27.2	27.2	8.2	8.2	28.7	28.7	94.9	94.9	6.4		12.2		8		90				<0.2		0.9	
						3.8	0.1	24	27.2		8.2		28.7		94.9		6.4		12.2		8		91				<0.2		0.8	
					Bottom	6.6	0.0	89	27.2	27.2	8.2	8.2	28.8	28.8	94.5	94.6	6.4	6.4	13.6		11		93				<0.2		0.8	
						6.6	0.0	93	27.2		8.2		28.8		94.6		6.4		13.6		11		95				<0.2		0.8	
IM3	Cloudy	Moderate	11:59	7.9	Surface	1.0	0.2	81	27.3	27.3	8.2	8.2	28.0	28.0	94.3	94.4	6.4	6.4	14.4	18.1	8	10	86	90	818773	805579	<0.2	<0.2	1.0	0.9
						1.0	0.2	84	27.3		8.2		28.0		94.4		6.4		14.7		8		88				<0.2		0.8	
					Middle	4.0	0.1	355	27.2	27.2	8.2	8.2	28.8	28.8	94.3	94.3	6.4		17.3		11		90				<0.2		1.0	
						4.0	0.1	327	27.2		8.2		28.7		94.3		6.4		17.1		10		91				<0.2		0.9	
					Bottom	6.9	0.0	327	27.2	27.2	8.2	8.2	29.0	29.0	94.0	93.9	6.4	6.4	22.4		12		92				<0.2		0.9	
						6.9	0.0	356	27.2		8.2		29.0		93.8		6.3		22.6		11		94				<0.2		0.9	
IM4	Cloudy	Moderate	11:50	8.5	Surface	1.0	0.1	144	27.3	27.3	8.2	8.2	28.0	28.0	91.6	91.6	6.2	6.2	15.3	18.2	12	15	85	90	819725	804628	<0.2	<0.2	1.2	1.2
						1.0	0.1	151	27.3		8.2		28.0		91.5		6.2		15.6		14		87				<0.2		1.2	
					Middle	4.3	0.1	17	27.2	27.2	8.2	8.2	28.5	28.5	91.5	91.6	6.2		17.3		15		89				<0.2		1.2	
						4.3	0.1	18	27.2		8.2		28.5		91.6		6.2		18.9		15		91				<0.2		1.2	
					Bottom	7.5	0.1	313	27.2	27.2	8.2	8.2	28.6	28.6	91.4	91.4	6.2	6.2	20.4		17		94				<0.2		1.2	
						7.5	0.1	333	27.2		8.2		28.6		91.4		6.2		21.9		16		94				<0.2		1.1	
IM5	Cloudy	Moderate	11:41	8.6	Surface	1.0	0.2	3	27.2	27.2	8.2	8.2	28.2	28.2	90.8	90.8	6.2	6.2	15.5	18.4	16	18	85	90	820733	804882	<0.2	<0.2	0.8	0.8
						1.0	0.2	3	27.2		8.2		28.2		90.8		6.2		16.3		17		87				<0.2		0.8	
					Middle	4.3	0.2	4	27.2	27.2	8.2	8.2	28.2	28.2	90.7	90.7	6.2		17.4		17		89				<0.2		0.8	
						4.3	0.2	4	27.2		8.2		28.2		90.7		6.2		18.8		17		91				<0.2		0.9	
					Bottom	7.6	0.1	334	27.2	27.2	8.2	8.1	28.2	28.2	91.3	91.6	6.2	6.2	20.6		19		93				<0.2		0.8	
						7.6	0.1	307	27.2		8.1		28.2		91.8		6.2		21.7		19		94				<0.2		0.7	
IM6	Cloudy	Moderate	11:33	7.6	Surface	1.0	0.1	289	27.5	27.5	8.2	8.2	26.6	26.6	90.5	90.6	6.2	6.2	12.1	16.4	9	10	85	90	821063	805808	<0.2	<0.2	1.2	1.3
						1.0	0.1	315	27.5		8.2		26.6		90.6		6.2		13.4		10		86				<0.2		1.8	
					Middle	3.8	0.1	2	27.3	27.3	8.2	8.2	27.9	27.9	90.6	90.6	6.1		15.5		10		89				<0.2		1.3	
						3.8	0.1	2	27.3		8.2		27.9		90.6		6.1		15.7		10		90				<0.2		1.3	
					Bottom	6.6	0.1	331	27.2	27.2	8.2	8.2	28.2	28.2	90.6	90.6	6.1	6.1	20.8		11		94				<0.2		1.2	
						6.6	0.1	337	27.3		8.2		28.2		90.6		6.1		20.9		11		95				<0.2		1.2	
IM7	Cloudy	Moderate	11:24	9.0	Surface	1.0	0.1	352	27.5	27.5	8.1	8.1	25.9	25.8	88.4	88.5	6.0	6.1	13.7	17.3	10	12	84	89	821356	806816	<0.2	<0.2	1.4	1.4
						1.0	0.1	324	27.5		8.2		25.7		88.5		6.1		13.9		10		85				<0.2		1.4	
					Middle	4.5	0.1	7	27.3	27.3	8.2	8.2	27.0	26.9	88.7	88.7	6.1		16.4		12		89				<0.2		1.5	
						4.5	0.1	7	27.3		8.2		26.9		88.7		6.1		16.5		13		90				<0.2		1.3	
					Bottom	8.0	0.1	22	27.3	27.3	8.2	8.2	27.7	27.7	88.8	88.8	6.0	6.0	21.5		14		93				<0.2		1.4	
						8.0	0.1	22	27.3		8.2		27.7		88.7		6.0		21.6		14		95				<0.2		1.4	
IM8	Fine	Moderate	11:48	8.5	Surface	1.0	0.4	120	27.7	27.7	8.1	8.1	25.1	25.1	88.3	88.4	6.0	6.1	16.5	18.5	6	7	84	88	821811	808159	<0.2	<0.2	1.4	1.4
						1.0	0.4	122	27.7		8.1		25.1		88.4		6.1		16.6		6		85				<0.2		1.4	
					Middle	4.3	0.3	84	27.5	27.5	8.1	8.1	26.1	26.1	89.3	89.3	6.1		17.7		7		88				<0.2		1.5	
						4.3	0.3	84	27.5		8.1		26.0		89.3		6.1		18.1		7		88				<0.2		1.5	
					Bottom	7.5	0.4	83	27.3	27.3	8.2	8.2	27.3	27.3	90.7	90.8	6.2	6.2	21.1		9		91				<0.2		1.4	
						7.5	0.4	84	27.3		8.2		27.3		90.8		6.2		21.1		8		91				<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 09 October 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	11:55	8.2	Surface	1.0	0.5	118	27.7	27.7	8.1	8.1	25.0	25.0	87.2	87.2	6.0	6.1	16.0	18.4	6	8	84	88	822106	808803	<0.2	<0.2	1.4	1.4
						1.0	0.5	124	27.7		8.1		25.0		87.2		6.0		16.0		7		85				<0.2		1.4	
					Middle	4.1	0.4	77	27.4	27.4	8.1	8.1	25.8	25.8	88.3	88.3	6.1		18.4		8		87				<0.2		1.5	
						4.1	0.4	84	27.4		8.2		25.8		88.3		6.1		18.2		8		88				<0.2		1.4	
					Bottom	7.2	0.5	73	27.3	27.3	8.2	8.2	27.2	27.2	89.1	89.2	6.1	6.1	20.8		9		92				<0.2		1.4	
						7.2	0.5	73	27.3		8.2		27.2		89.2		6.1		20.8		9		91				<0.2		1.4	
IM10	Misty	Moderate	12:03	7.7	Surface	1.0	0.6	101	27.6	27.6	8.1	8.1	25.5	25.5	87.7	87.7	6.0	6.0	16.1	19.1	9	11	84	88	822361	809784	<0.2	<0.2	1.3	1.4
						1.0	0.6	107	27.6		8.1		25.5		87.6		6.0		16.3		9		85				<0.2		1.4	
					Middle	3.9	0.6	86	27.5	27.5	8.1	8.1	25.8	25.8	88.0	88.1	6.0		18.8		11		87				<0.2		1.4	
						3.9	0.6	87	27.5		8.1		25.8		88.1		6.0		19.2		10		88				<0.2		1.3	
					Bottom	6.7	0.4	75	27.4	27.4	8.2	8.2	26.9	26.9	89.5	89.6	6.1	6.1	22.2		12		91				<0.2		1.3	
						6.7	0.4	81	27.4		8.2		27.0		89.6		6.1		22.2		12		91				<0.2		1.4	
IM11	Misty	Moderate	12:14	9.4	Surface	1.0	0.4	112	27.6	27.6	8.2	8.2	25.9	25.9	86.9	87.0	5.9	5.9	13.9	18.2	10	11	85	88	822079	811476	<0.2	<0.2	1.3	1.3
						1.0	0.4	118	27.6		8.2		26.0		87.0		5.9		14.0		11		85				<0.2		1.2	
					Middle	4.7	0.4	108	27.4	27.4	8.2	8.2	26.4	26.4	86.2	86.2	5.9		18.6		10		88				<0.2		1.3	
						4.7	0.4	108	27.4		8.2		26.4		86.2		5.9		18.7		10		88				<0.2		1.2	
					Bottom	8.4	0.2	109	27.4	27.4	8.2	8.2	26.6	26.6	86.3	86.3	5.9	5.9	22.0		12		90				<0.2		1.3	
						8.4	0.2	112	27.4		8.2		26.6		86.3		5.9		21.9		11		91				<0.2		1.3	
IM12	Misty	Moderate	12:20	10.0	Surface	1.0	0.5	111	27.6	27.6	8.2	8.2	25.9	25.9	88.7	88.7	6.1	6.1	18.4	20.3	8	9	85	88	821434	812048	<0.2	<0.2	1.3	1.3
						1.0	0.5	117	27.6		8.2		26.0		88.7		6.1		18.7		7		85				<0.2		1.3	
					Middle	5.0	0.5	102	27.4	27.4	8.2	8.2	26.7	26.7	89.0	89.0	6.1		20.0		9		88				<0.2		1.4	
						5.0	0.5	107	27.4		8.2		26.7		89.0		6.1		20.1		9		88				<0.2		1.3	
					Bottom	9.0	0.4	86	27.4	27.4	8.2	8.2	27.1	27.1	89.0	89.1	6.1	6.1	21.9		9		91				<0.2		1.3	
						9.0	0.4	86	27.4		8.2		27.1		89.1		6.1		22.4		10		91				<0.2		1.2	
SR2	Misty	Moderate	12:46	5.1	Surface	1.0	0.4	93	27.5	27.5	8.2	8.2	26.3	26.3	87.8	87.8	6.0	6.0	13.1	13.8	7	7	85	88	821453	814153	<0.2	<0.2	1.2	1.2
						1.0	0.4	93	27.6		8.2		26.3		87.8		6.0		13.1		7		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	95	27.5	27.5	8.2	8.2	26.6	26.6	88.0	88.1	6.0	6.0	14.5		7		89				<0.2		1.2	
						4.1	0.2	96	27.5		8.2		26.6		88.1		6.0		14.5		8		90				<0.2		1.2	
SR3	Fine	Moderate	11:42	9.7	Surface	1.0	0.3	142	27.5	27.5	8.1	8.1	25.5	25.5	87.4	87.5	6.0	6.0	17.4	19.9	10	12	-	-	822170	807560	-	-	-	-
						1.0	0.3	148	27.5		8.1		25.5		87.6		6.0		17.5		11		-				-		-	
					Middle	4.9	0.3	99	27.5	27.5	8.1	8.1	26.1	26.1	88.5	88.5	6.0		19.6		12		-				-		-	
						4.9	0.3	105	27.5		8.1		26.1		88.4		6.0		19.9		12		-				-		-	
					Bottom	8.7	0.4	80	27.3	27.3	8.2	8.2	27.4	27.4	89.5	89.5	6.1	6.1	22.7		12		-				-		-	
						8.7	0.4	87	27.3		8.2		27.4		89.5		6.1		22.4		12		-				-		-	
SR4A	Cloudy	Calm	12:51	9.5	Surface	1.0	0.3	65	27.4	27.4	8.2	8.2	28.3	28.3	92.3	92.3	6.2	6.2	13.1	17.4	8	10	-	-	817199	807811	-	-	-	-
						1.0	0.3	67	27.4		8.2		28.3		92.3		6.2		13.1		9		-				-		-	
					Middle	4.8	0.4	80	27.2	27.2	8.2	8.2	28.4	28.4	91.1	91.1	6.2		18.3		9		-				-		-	
						4.8	0.4	81	27.2		8.2		28.4		91.1		6.2		18.6		9		-				-		-	
					Bottom	8.5	0.2	66	27.2	27.2	8.2	8.2	28.4	28.4	91.1	91.1	6.2	6.2	20.2		11		-				-		-	
						8.5	0.3	69	27.2		8.2		28.4		91.1		6.2		21.1		11		-				-		-	
SR5A	Cloudy	Calm	13:07	4.3	Surface	1.0	0.1	43	27.4	27.4	8.1	8.1	27.4	27.4	87.3	87.3	5.9	5.9	10.6	12.2	7	8	-	-	816590	810705	-	-	-	-
						1.0	0.1	43	27.4		8.1		27.4		87.3		5.9		10.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	47	27.3	27.3	8.1	8.1	27.5	27.5	87.1	87.2	5.9	5.9	13.5		9		-				-		-	
						3.3	0.0	47	27.3		8.1		27.5		87.3		5.9		14.0		8		-				-		-	
SR6	Cloudy	Calm	13:48	3.9	Surface	1.0	0.0	106	27.5	27.5	8.1	8.1	26.9	26.9	87.8	87.8	6.0	6.0	6.0	6.2	8	9	-	-	817894	814670	-	-	-	-
						1.0	0.0	113	27.5		8.1		26.9		87.7		6.0		6.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	98	27.4	27.4	8.1	8.1	26.9	26.9	87.9	88.1	6.0	6.0	6.5		9		-				-		-	
						2.9	0.0	105	27.5		8.1		26.9		88.2		6.0		6.3		10		-				-		-	
SR7	Misty	Moderate	13:38	16.1	Surface	1.0	0.7	79	27.6	27.6	8.2	8.2	27.5	27.5	85.4	85.3	5.8	5.8	10.5	15.9	6	6	-	-	823618	823722	-	-	-	-
						1.0	0.7	84	27.6		8.2		27.5		85.2		5.8		10.5		5		-				-		-	
					Middle	8.1	0.5	58	27.5	27.5	8.2	8.2	27.8	27.8	83.6	83.6	5.7		16.0		5		-				-		-	
						8.1	0.5	58	27.5		8.2		27.8		83.6		5.7		16.1		6		-				-		-	
					Bottom	15.1	0.2	19	27.5	27.5	8.1	8.1	27.8	27.8	83.8	83.9	5.7	5.7	21.3		7		-				-		-	
						15.1	0.2	20	27.5		8.1		27.8		83.9		5.7		21.1		8		-				-		-	
SR8	Misty	Moderate	12:32	5.9	Surface	1.0	-	-	27.5	27.5	8.3	8.3	26.5	26.5	89.3	89.4	6.1	6.1	18.9	20.5	11	12	-	-	820485	811678	-	-	-	-
						1.0	-	-	27.5		8.3		26.5		89.4		6.1		19.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	-	-	27.4	27.4	8.4	8.4	27.0	27.0	89.8	89.9	6.1	6.1	21.6		13		-				-		-	
						4.9	-	-	27.4		8.4		27.0		89.9		6.1		21.7		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. 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 09 October 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	06:27	9.6	Surface	1.0	0.5	59	27.2	27.2	8.2	8.2	28.8	28.8	95.8	95.9	6.5	6.5	22.0	17.5	18	20	85	89	815641	804252	<0.2	<0.2	1.2	1.1
						1.0	0.5	61	27.2		8.2		28.8		95.9		6.5		21.9		17		86				<0.2		1.0	
					Middle	4.8	0.6	53	27.2	27.2	8.2	8.2	29.2	29.2	95.9	95.9	6.5		13.9		20		89				<0.2		1.1	
						4.8	0.7	57	27.2		8.2		29.2		95.9		6.5		13.9		20		90				<0.2		1.2	
					Bottom	8.6	0.5	55	27.2	27.2	8.2	8.2	29.5	29.5	95.5	95.5	6.4	6.4	16.8		23		93				<0.2		1.1	
						8.6	0.5	56	27.2		8.2		29.5		95.5		6.4		16.7		23		93				<0.2		1.1	
C2	Fine	Moderate	07:51	13.1	Surface	1.0	0.2	327	27.4	27.4	8.1	8.1	25.6	25.6	86.6	86.6	5.9	5.9	15.6	18.7	19	21	85	88	825687	806949	<0.2	<0.2	1.4	1.4
						1.0	0.2	330	27.4		8.1		25.6		86.6		5.9		15.7		19		85				<0.2		1.4	
					Middle	6.6	0.2	1	27.4	27.4	8.2	8.2	25.8	25.8	86.8	86.9	5.9		19.3		20		87				<0.2		1.3	
						6.6	0.3	1	27.4		8.2		25.8		86.9		6.0		19.3		21		87				<0.2		1.4	
					Bottom	12.1	0.4	39	27.3	27.3	8.2	8.2	26.4	26.4	87.6	87.6	6.0	6.0	21.0		24		90				<0.2		1.4	
						12.1	0.4	40	27.3		8.2		26.4		87.6		6.0		21.0		25		91				<0.2		1.3	
C3	Cloudy	Moderate	05:59	12.4	Surface	1.0	0.3	242	27.4	27.4	8.1	8.1	27.6	27.6	82.1	82.2	5.6	5.6	17.3	19.4	6	7	87	90	822108	817773	<0.2	<0.2	1.0	1.0
						1.0	0.3	258	27.4		8.1		27.6		82.2		5.6		17.5		7		87				<0.2		1.0	
					Middle	6.2	0.3	242	27.3	27.3	8.1	8.1	27.7	27.7	81.7	81.7	5.5		18.7		7		89				<0.2		1.0	
						6.2	0.3	258	27.3		8.1		27.7		81.7		5.5		19.2		8		90				<0.2		1.0	
					Bottom	11.4	0.3	239	27.3	27.3	8.1	8.1	27.7	27.7	82.4	82.4	5.6	5.6	21.5		8		93				<0.2		1.0	
						11.4	0.3	247	27.3		8.1		27.7		82.4		5.6		22.3		8		93				<0.2		1.0	
IM1	Fine	Moderate	06:45	5.8	Surface	1.0	0.1	317	27.3	27.3	8.2	8.2	27.8	27.8	89.7	89.7	6.1	6.1	18.3	19.2	10	12	84	89	817975	807118	<0.2	<0.2	1.4	1.3
						1.0	0.1	344	27.3		8.2		27.8		89.7		6.1		18.8		11		85				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.2	15	27.2	27.2	8.1	8.1	28.2	28.2	89.9	89.9	6.1	6.1	19.7		14		93				<0.2		1.1	
						4.8	0.2	15	27.2		8.1		28.2		89.8		6.1		19.8		14		94				<0.2		1.1	
IM2	Fine	Moderate	06:53	8.3	Surface	1.0	0.4	7	27.3	27.3	8.2	8.2	28.6	28.6	95.1	95.1	6.4	6.4	16.4	18.6	16	17	85	90	818188	806156	<0.2	<0.2	0.8	0.8
						1.0	0.4	7	27.3		8.2		28.6		95.0		6.4		16.9		15		86				<0.2		0.8	
					Middle	4.2	0.4	0	27.3	27.3	8.2	8.2	28.6	28.6	94.1	94.1	6.4		18.6		16		90				<0.2		0.8	
						4.2	0.4	0	27.3		8.2		28.6		94.1		6.4		18.4		17		91				<0.2		0.8	
					Bottom	7.3	0.3	355	27.2	27.2	8.2	8.2	28.6	28.6	92.9	92.9	6.3	6.3	20.6		18		92				<0.2		0.8	
						7.3	0.3	327	27.2		8.2		28.6		92.9		6.3		20.8		19		93				<0.2		0.8	
IM3	Fine	Moderate	07:03	8.4	Surface	1.0	0.4	47	27.2	27.2	8.2	8.2	28.6	28.6	94.3	94.3	6.4	6.4	19.5	20.6	13	15	85	90	818808	805587	<0.2	<0.2	0.9	0.9
						1.0	0.5	49	27.2		8.2		28.6		94.3		6.4		19.6		12		85				<0.2		0.9	
					Middle	4.2	0.4	34	27.2	27.2	8.2	8.2	28.8	28.8	93.9	93.9	6.4		20.7		14		90				<0.2		0.9	
						4.2	0.4	35	27.2		8.2		28.8		93.9		6.4		20.8		14		91				<0.2		0.9	
					Bottom	7.4	0.3	29	27.2	27.2	8.2	8.2	28.9	28.9	93.5	93.5	6.3	6.3	21.6		18		93				<0.2		0.8	
						7.4	0.3	31	27.2		8.2		28.9		93.5		6.3		21.5		18		93				<0.2		0.8	
IM4	Fine	Moderate	07:12	8.6	Surface	1.0	0.3	9	27.2	27.2	8.2	8.2	28.2	28.2	92.0	92.0	6.2	6.2	15.3	18.0	18	20	85	90	819724	804598	<0.2	<0.2	1.0	1.0
						1.0	0.3	9	27.2		8.2		28.2		92.0		6.2		15.1		19		86				<0.2		0.9	
					Middle	4.3	0.3	10	27.2	27.2	8.2	8.2	28.2	28.2	90.3	90.3	6.1		18.3		20		89				<0.2		1.0	
						4.3	0.3	10	27.2		8.2		28.2		90.3		6.1		18.3		20		91				<0.2		1.1	
					Bottom	7.6	0.2	19	27.2	27.2	8.2	8.2	28.2	28.2	90.3	90.3	6.1	6.1	20.4		22		94				<0.2		1.0	
						7.6	0.2	19	27.2		8.2		28.2		90.3		6.1		20.6		22		95				<0.2		1.0	
IM5	Fine	Moderate	07:23	8.1	Surface	1.0	0.3	37	27.2	27.2	8.2	8.2	28.1	28.1	90.9	90.9	6.2	6.2	14.8	16.5	27	29	85	90	820717	804891	<0.2	<0.2	0.9	1.0
						1.0	0.4	38	27.2		8.2		28.1		90.9		6.2		14.9		27		87				<0.2		0.9	
					Middle	4.1	0.3	27	27.2	27.2	8.2	8.2	28.2	28.2	90.5	90.5	6.1		15.4		29		90				<0.2		1.0	
						4.1	0.3	27	27.2		8.2		28.2		90.5		6.1		15.7		28		90				<0.2		1.0	
					Bottom	7.1	0.2	2	27.2	27.2	8.1	8.1	28.2	28.2	90.6	90.6	6.1	6.1	18.2		32		93				<0.2		1.0	
						7.1	0.2	2	27.2		8.1		28.2		90.6		6.1		19.7		32		94				<0.2		1.0	
IM6	Fine	Moderate	07:30	8.0	Surface	1.0	0.1	5	27.3	27.3	8.2	8.2	27.9	27.9	90.4	90.4	6.1	6.1	13.1	16.4	23	29	86	90	821071	805822	<0.2	<0.2	1.1	1.1
						1.0	0.2	5	27.3		8.2		27.9		90.4		6.1		13.2		24		87				<0.2		1.1	
					Middle	4.0	0.1	358	27.3	27.3	8.2	8.2	28.0	28.1	90.4	90.4	6.1		15.7		29		89				<0.2		1.1	
						4.0	0.1	329	27.3		8.2		28.1		90.4		6.1		15.9		29		91				<0.2		1.1	
					Bottom	7.0	0.1	300	27.3	27.3	8.2	8.2	28.2	28.1	90.4	90.5	6.1	6.1	19.8		35		93				<0.2		1.0	
						7.0	0.1	307	27.3		8.2		28.1		90.5		6.1		20.6		36		94				<0.2		1.1	
IM7	Fine	Moderate	07:40	9.3	Surface	1.0	0.1	336	27.5	27.5	8.1	8.1	25.7	25.7	88.1	88.1	6.0	6.0	14.7	18.1	6	9	87	90	821349	806843	<0.2	<0.2	1.5	1.5
						1.0	0.1	309	27.5		8.1		25.7		88.1		6.0		15.0		5		86				<0.2		1.6	
					Middle	4.7	0.1	342	27.3	27.3	8.2	8.2	26.4	26.4	88.2	88.3	6.0		21.9		8		89				<0.2		1.5	
						4.7	0.1	315	27.3		8.2		26.4		88.3		6.0		22.3		9		90				<0.2		1.5	
					Bottom	8.3	0.1	67	27.3	27.3	8.2	8.2	27.6	27.6	88.2	88.2	6.0	6.0	17.9		14		93				<0.2		1.5	
						8.3	0.1	67	27.3		8.2		27.6		88.2		6.0		16.7		14		94				<0.2		1.4	
IM8	Fine	Moderate	07:23	8.8	Surface	1.0	0.3	38	27.4	27.4	8.1	8.1	25.3	25.3	87.2	87.2	6.0	6.1	15.7	18.3	6	7	85	88	821821	808165	<0.2	<0.2	1.5	1.5
						1.0	0.3	38	27.4		8.1		25.3		87.2		6.0		15.8		7		85				<0.2		1.5	
					Middle	4.4	0.4	58	27.3	27.3	8.2	8.2	26.0	26.0	88.3	88.3	6.1		17.1		7		87				<0.2		1.5	
						4.4	0.4	60	27.3		8.2		26.0		88.3		6.1		17.2		8		88				<0.2		1.5	
					Bottom	7.8	0.4	50	27.3	27.3	8.2	8.2	27.0	27.0	90.2	90.2	6.2	6.2	22.0		8		92				<0.2		1.5	
						7.8	0.5	50	27.3		8.2		27.0		90.2		6.2		22.1		8		92				<0.2		1.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 October 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	07:17	8.2	Surface	1.0	0.3	82	27.4	27.4	8.2	8.2	25.8	25.8	87.4	87.4	6.0	6.0	16.7	18.9	7	8	85	88	822085	808815	<0.2	<0.2	1.5	1.5
						1.0	0.3	87	27.4		8.2		25.8		87.4		6.0		16.8		8		85				<0.2		1.6	
					Middle	4.1	0.2	84	27.3	27.3	8.2	8.2	26.5	26.5	87.6	87.6	6.0		18.3		7		88				<0.2		1.5	
						4.1	0.2	88	27.3		8.2		26.5		87.6		6.0		18.4		8		88				<0.2		1.4	
					Bottom	7.2	0.2	59	27.3	27.3	8.2	8.2	26.6	26.6	87.8	87.8	6.0	6.0	21.6		9		91				<0.2		1.6	
						7.2	0.2	60	27.3		8.2		26.6		87.8		6.0		21.6		10		91				<0.2		1.6	
IM10	Fine	Moderate	07:08	8.8	Surface	1.0	0.2	67	27.4	27.4	8.1	8.1	25.2	25.2	86.2	86.2	5.9	5.9	15.7	18.1	9	10	85	88	822398	809794	<0.2	<0.2	1.5	1.5
						1.0	0.2	70	27.4		8.1		25.2		86.2		5.9		15.7		8		86				<0.2		1.5	
					Middle	4.4	0.2	5	27.3	27.3	8.2	8.2	25.8	25.8	86.2	86.2	5.9		17.8		10		88				<0.2		1.6	
						4.4	0.2	5	27.3		8.2		25.8		86.2		5.9		18.0		10		87				<0.2		1.5	
					Bottom	7.8	0.3	327	27.4	27.4	8.1	8.1	26.4	26.4	86.5	86.5	5.9	5.9	20.7		12		91				<0.2		1.5	
						7.8	0.3	327	27.4		8.1		26.4		86.5		5.9		20.6		12		91				<0.2		1.5	
IM11	Fine	Moderate	06:57	8.9	Surface	1.0	0.3	321	27.4	27.4	8.2	8.2	26.6	26.6	86.7	86.7	5.9	5.9	16.2	19.1	18	19	86	88	822060	811436	<0.2	<0.2	1.1	1.2
						1.0	0.3	321	27.4		8.2		26.6		86.7		5.9		16.4		18		86				<0.2		1.2	
					Middle	4.5	0.3	329	27.4	27.4	8.2	8.2	26.6	26.6	86.2	86.2	5.9		19.8		19		88				<0.2		1.2	
						4.5	0.3	345	27.4		8.2		26.6		86.1		5.9		20.1		18		88				<0.2		1.2	
					Bottom	7.9	0.2	322	27.4	27.4	8.2	8.2	26.6	26.6	86.5	86.6	5.9	5.9	21.0		19		91				<0.2		1.2	
						7.9	0.2	347	27.4		8.2		26.6		86.6		5.9		20.9		20		91				<0.2		1.2	
IM12	Fine	Moderate	06:49	9.4	Surface	1.0	0.2	226	27.4	27.4	8.2	8.2	26.6	26.6	86.3	86.3	5.9	5.9	15.1	17.8	12	14	85	88	821477	812030	<0.2	<0.2	1.2	1.3
						1.0	0.3	241	27.4		8.2		26.6		86.2		5.9		15.2		12		86				<0.2		1.2	
					Middle	4.7	0.3	221	27.4	27.4	8.2	8.2	26.6	26.6	86.2	86.3	5.9		17.5		14		88				<0.2		1.3	
						4.7	0.3	226	27.4		8.2		26.6		86.3		5.9		17.7		14		88				<0.2		1.3	
					Bottom	8.4	0.3	210	27.4	27.4	8.2	8.1	26.6	26.6	86.2	86.2	5.9	5.9	20.6		15		92				<0.2		1.3	
						8.4	0.3	226	27.4		8.1		26.6		86.2		5.9		20.6		16		91				<0.2		1.3	
SR2	Fine	Moderate	06:21	5.3	Surface	1.0	0.3	354	27.4	27.4	8.1	8.1	26.6	26.6	86.7	86.7	5.9	5.9	16.2	18.3	18	19	85	87	821444	814183	<0.2	<0.2	1.3	1.3
						1.0	0.3	326	27.4		8.1		26.6		86.7		5.9		16.1		17		86				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.3	352	27.4	27.4	8.1	8.1	26.6	26.6	87.6	87.6	6.0	6.0	20.4		22		88				<0.2		1.3	
						4.3	0.3	324	27.4		8.1		26.6		87.6		6.0		20.5		20		88				<0.2		1.3	
SR3	Fine	Moderate	07:30	10.0	Surface	1.0	0.5	66	27.4	27.4	8.2	8.2	26.2	26.2	88.7	88.7	6.1	6.1	14.1	17.2	16	17	-	-	822151	807597	-	-	-	-
						1.0	0.6	67	27.4		8.2		26.2		88.6		6.1		14.2		15		-				-		-	
					Middle	5.0	0.5	77	27.3	27.3	8.2	8.2	26.9	26.9	88.8	88.8	6.1		17.2		16		-				-		-	
						5.0	0.6	81	27.3		8.2		26.9		88.8		6.1		17.4		16		-				-		-	
					Bottom	9.0	0.5	78	27.3	27.3	8.2	8.2	27.0	27.0	88.8	88.8	6.0	6.1	20.1		18		-				-		-	
						9.0	0.6	80	27.3		8.2		27.0		88.8		6.1		20.4		18		-				-		-	
SR4A	Fine	Calm	06:05	6.1	Surface	1.0	0.5	72	27.2	27.2	8.2	8.2	27.8	27.8	89.5	89.5	6.1	6.1	20.4	15.6	19	21	-	-	817207	807816	-	-	-	-
						1.0	0.5	76	27.2		8.2		27.8		89.5		6.1		20.5		20		-				-		-	
					Middle	3.1	0.5	80	27.2	27.2	8.1	8.1	27.8	27.8	89.4	89.4	6.1		9.4		19		-				-		-	
						3.1	0.5	82	27.2		8.1		27.8		89.4		6.1		9.5		19		-				-		-	
					Bottom	5.1	0.4	81	27.2	27.2	8.1	8.1	27.8	27.8	89.4	89.5	6.1	6.1	16.9		24		-				-		-	
						5.1	0.4	83	27.2		8.1		27.8		89.5		6.1		16.8		25		-				-		-	
SR5A	Fine	Calm	05:45	4.0	Surface	1.0	0.1	181	27.2	27.2	8.1	8.0	27.3	27.3	86.7	86.7	5.9	5.9	9.9	9.9	9	9	-	-	816580	810668	-	-	-	-
						1.0	0.1	198	27.2		8.0		27.3		86.7		5.9		10.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	184	27.2	27.2	7.9	7.8	27.3	27.3	87.6	88.1	6.0	6.0	9.5		10		-				-		-	
						3.0	0.1	186	27.2		7.8		27.3		88.6		6.0		9.8		10		-				-		-	
SR6	Fine	Calm	05:13	3.1	Surface	1.0	0.2	190	27.3	27.3	8.2	8.2	27.1	27.1	86.2	86.2	5.9	5.9	8.9	9.9	12	15	-	-	817910	814690	-	-	-	-
						1.0	0.2	207	27.3		8.2		27.1		86.2		5.9		9.0		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.1	202	27.3	27.3	8.2	8.2	27.1	27.1	88.3	88.3	6.0	6.0	10.8		17		-				-		-	
						2.1	0.1	213	27.3		8.2		27.1		88.3		6.0		10.8		17		-				-		-	
SR7	Cloudy	Moderate	05:30	16.3	Surface	1.0	0.1	47	27.4	27.4	8.2	8.2	27.3	27.3	82.1	82.1	5.6	5.6	13.9	16.2	8	9	-	-	823613	823730	-	-	-	-
						1.0	0.1	48	27.4		8.2		27.3		82.0		5.6		13.9		8		-				-		-	
					Middle	8.2	0.3	75	27.3	27.3	8.1	8.1	27.8	27.8	81.3	81.3	5.5		15.4		10		-				-		-	
						8.2	0.3	75	27.3		8.1		27.8		81.3		5.5		15.4		8		-				-		-	
					Bottom	15.3	0.2	86	27.4	27.4	8.2	8.2	27.9	27.9	81.0	81.0	5.5	5.5	19.2		9		-				-		-	
						15.3	0.2	90	27.4		8.2		27.9		81.0		5.5		19.2		10		-				-		-	
SR8	Fine	Moderate	06:37	5.8	Surface	1.0	-	-	27.4	27.4	8.1	8.1	26.4	26.4	88.1	88.1	6.0	6.0	16.5	17.4	12	15	-	-	820512	811673	-	-	-	-
						1.0	-	-	27.4		8.1		26.4		88.1		6.0		16.6		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	27.4	27.4	8.1	8.1	26.5	26.5	90.1	90.2	6.2	6.2	18.2		18		-				-		-	
						4.8	-	-	27.4		8.1		26.5		90.2		6.2		18.2		17		-				-		-	

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	13:50	8.8	Surface	1.0	0.4	102	26.8	26.8	8.2	8.2	28.2	28.2	93.2	93.2	6.4	6.4	12.4	13.4	10	10	87	90	815611	804252	<0.2	<0.2	0.6	0.7
						1.0	0.4	102	26.8		8.2		28.2		93.1		6.4		12.5		11		87				<0.2		0.7	
					Middle	4.4	0.3	71	26.9	26.9	8.2	8.2	28.6	28.6	92.0	92.0	6.3		13.4		9		90				<0.2		0.6	
						4.4	0.3	77	26.9		8.2		28.6		92.0		6.3		13.5		11		90				<0.2		0.8	
					Bottom	7.8	0.1	32	26.9	26.9	8.1	8.1	29.1	29.1	90.9	90.9	6.2	6.2	14.4		11		92				<0.2		0.9	
						7.8	0.1	32	26.9		8.1		29.1		90.9		6.2		14.4		10		93				<0.2		0.8	
C2	Cloudy	Moderate	12:57	12.1	Surface	1.0	0.3	334	27.0	27.0	8.1	8.1	25.5	25.5	86.7	86.7	6.0	6.0	11.5	16.6	12	11	85	86	825655	806954	<0.2	<0.2	1.5	1.5
						1.0	0.3	353	27.0		8.1		25.5		86.7		6.0		11.5		12		84				<0.2		1.5	
					Middle	6.1	0.3	1	26.9	26.9	8.1	8.1	25.9	25.9	87.5	87.5	6.0		16.2		10		88				<0.2		1.5	
						6.1	0.3	1	26.9		8.1		25.9		87.5		6.0		16.2		10		86				<0.2		1.6	
					Bottom	11.1	0.3	2	26.9	26.9	8.1	8.1	26.0	26.0	88.2	88.2	6.1	6.1	22.2		11		88				<0.2		1.4	
						11.1	0.3	2	26.9		8.1		26.0		88.2		6.1		22.2		10		85				<0.2		1.6	
C3	Cloudy	Moderate	14:53	12.2	Surface	1.0	0.0	102	27.2	27.2	8.1	8.1	28.0	28.0	83.9	83.9	5.7	5.7	4.7	5.5	10	10	87	88	822113	817794	<0.2	<0.2	1.4	1.4
						1.0	0.0	110	27.2		8.1		28.0		83.8		5.7		4.7		10		85				<0.2		1.4	
					Middle	6.1	0.2	61	27.2	27.2	8.1	8.1	28.3	28.3	82.4	82.4	5.6		5.6		9		88				<0.2		1.4	
						6.1	0.2	64	27.2		8.1		28.3		82.4		5.6		5.6		9		88				<0.2		1.5	
					Bottom	11.2	0.3	41	27.2	27.2	8.1	8.1	28.6	28.6	82.9	82.9	5.6	5.6	6.2		10		89				<0.2		1.4	
						11.2	0.3	43	27.2		8.1		28.6		82.9		5.6		6.2		10		91				<0.2		1.5	
IM1	Cloudy	Moderate	13:30	5.7	Surface	1.0	0.1	313	26.7	26.7	8.1	8.1	26.7	26.7	88.5	88.6	6.1	6.1	15.5	16.9	12	12	83	85	817969	807151	<0.2	<0.2	0.9	1.0
						1.0	0.1	318	26.7		8.1		26.7		88.7		6.1		15.4		11		83				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.1	86	26.6	26.6	8.1	8.1	26.8	26.8	89.2	89.2	6.2	6.2	18.3		13		86				<0.2		1.0	
						4.7	0.1	89	26.6		8.1		26.8		89.2		6.2		18.3		12		87				<0.2		1.0	
IM2	Cloudy	Moderate	13:24	8.0	Surface	1.0	0.3	43	26.7	26.7	8.2	8.2	27.4	27.4	93.0	93.0	6.4	6.4	13.5	14.0	10	10	88	89	818151	806144	<0.2	<0.2	0.8	0.9
						1.0	0.3	43	26.7		8.2		27.4		92.9		6.4		13.6		10		89				<0.2		0.9	
					Middle	4.0	0.1	14	26.7	26.7	8.2	8.2	27.5	27.5	91.8	91.8	6.3		12.2		9		88				<0.2		0.9	
						4.0	0.1	14	26.7		8.2		27.5		91.7		6.3		12.4		10		87				<0.2		1.0	
					Bottom	7.0	0.2	10	26.8	26.8	8.2	8.2	27.6	27.6	90.1	90.1	6.2	6.2	16.0		10		92				<0.2		1.0	
						7.0	0.2	10	26.8		8.2		27.6		90.1		6.2		16.1		10		92				<0.2		1.0	
IM3	Cloudy	Moderate	13:17	8.3	Surface	1.0	0.3	67	26.8	26.8	8.2	8.2	27.4	27.4	92.0	91.9	6.3	6.3	15.1	19.3	14	14	86	90	818784	805577	<0.2	<0.2	0.9	1.0
						1.0	0.3	69	26.8		8.2		27.4		91.8		6.3		15.5		13		86				<0.2		0.9	
					Middle	4.2	0.2	56	26.8	26.8	8.2	8.2	27.7	27.7	90.5	90.4	6.2		22.7		13		90				<0.2		0.9	
						4.2	0.3	61	26.8		8.2		27.7		90.2		6.2		22.4		15		91				<0.2		1.0	
					Bottom	7.3	0.3	63	26.8	26.8	8.2	8.2	28.0	28.0	89.9	89.9	6.1	6.1	20.0		16		92				<0.2		1.1	
						7.3	0.3	66	26.8		8.2		28.0		89.9		6.1		20.1		16		93				<0.2		1.0	
IM4	Cloudy	Moderate	13:08	6.2	Surface	1.0	0.4	18	26.8	26.8	8.2	8.2	27.5	27.5	90.8	90.8	6.2	6.2	13.2	15.5	16	16	86	90	819741	804598	<0.2	<0.2	1.3	1.3
						1.0	0.4	18	26.8		8.2		27.5		90.8		6.2		13.5		12		87				<0.2		1.3	
					Middle	3.1	0.3	355	26.8	26.8	8.2	8.2	27.7	27.7	89.4	89.4	6.1		14.4		17		89				<0.2		1.3	
						3.1	0.3	327	26.8		8.2		27.7		89.4		6.1		14.0		15		90				<0.2		1.4	
					Bottom	5.2	0.5	356	26.9	26.9	8.2	8.2	27.9	27.9	89.0	89.0	6.1	6.1	19.0		19		94				<0.2		1.3	
						5.2	0.5	328	26.9		8.2		27.9		88.9		6.1		19.1		18		95				<0.2		1.3	
IM5	Cloudy	Moderate	12:57	7.6	Surface	1.0	0.4	19	26.7	26.7	8.2	8.2	26.9	26.9	90.7	90.7	6.2	6.2	12.1	14.6	17	17	83	86	820760	804877	<0.2	<0.2	1.2	1.3
						1.0	0.5	19	26.7		8.2		26.9		90.7		6.2		12.2		13		83				<0.2		1.2	
					Middle	3.8	0.5	22	26.8	26.8	8.2	8.2	27.0	27.0	88.8	88.8	6.1		14.2		14		86				<0.2		1.2	
						3.8	0.6	23	26.8		8.2		27.0		88.8		6.1		14.4		15		87				<0.2		1.3	
					Bottom	6.6	0.3	9	26.8	26.8	8.2	8.2	27.0	27.0	88.6	88.7	6.1	6.1	17.4		24		89				<0.2		1.3	
						6.6	0.3	9	26.8		8.2		27.0		88.7		6.1		17.5		24		90				<0.2		1.4	
IM6	Cloudy	Moderate	12:49	7.8	Surface	1.0	0.1	3	26.8	26.8	8.1	8.1	26.4	26.4	88.8	88.8	6.1	6.1	14.2	16.9	13	13	86	90	821081	805811	<0.2	<0.2	1.5	1.6
						1.0	0.1	3	26.8		8.1		26.4		88.7		6.1		14.2		10		87				<0.2		1.5	
					Middle	3.9	0.1	11	26.8	26.8	8.1	8.1	26.4	26.4	87.7	87.8	6.0		15.3		10		91				<0.2		1.5	
						3.9	0.1	11	26.8		8.1		26.4		87.8		6.1		15.4		10		91				<0.2		1.6	
					Bottom	6.8	0.2	5	26.8	26.8	8.1	8.1	26.5	26.5	86.8	86.8	6.0	6.0	21.1		17		93				<0.2		1.6	
						6.8	0.2	5	26.8		8.1		26.5		86.7		6.0		21.1		17		94				<0.2		1.6	
IM7	Cloudy	Moderate	12:41	8.9	Surface	1.0	0.2	295	26.9	26.9	8.1	8.1	24.8	24.8	86.4	86.4	6.0	6.0	14.1	18.1	13	13	87	90	821321	806828	<0.2	<0.2	1.6	1.6
						1.0	0.2	312	26.9		8.1		24.8		86.4		6.0		14.1		12		87				<0.2		1.6	
					Middle	4.5	0.2	291	26.8	26.8	8.2	8.2	25.6	25.6	86.4	86.5	6.0		19.1		12		89				<0.2		1.6	
						4.5	0.2	294	26.8		8.2		25.6		86.5		6.0		19.2		13		90				<0.2		1.5	
					Bottom	7.9	0.1	302	26.8	26.8	8.2	8.2	26.0	26.0	86.3	86.2	6.0	6.0	21.1		15		92				<0.2		1.6	
						7.9	0.1	318	26.8		8.2		26.0		86.1		6.0		21.1		13		92				<0.2		1.5	
IM8	Cloudy	Moderate	13:22	7.6	Surface	1.0	0.2	131	26.9	26.9	8.1	8.1	25.5	25.5	87.6	87.6	6.1	6.1	12.3	14.7	15	15	83	86	821858	808136	<0.2	<0.2	1.5	1.5
						1.0	0.2	135	26.9		8.1		25.5		87.6		6.1		12.3		14		83				<0.2		1.4	
					Middle	3.8	0.1	112	26.9	26.9	8.1	8.1	25.9	25.9	87.4	87.4	6.0		15.2		16		85				<0.2		1.5	
						3.8	0.1	117	26.9		8.1		25.9		87.4		6.0		15.2		15		87				<0.2		1.6	
					Bottom	6.6	0.1	61	26.8	26.8	8.1	8.1	26.3	26.3	88.3	88.3	6.1	6.1	16.6		16		89				<0.2		1.6	
						6.6	0.1	61	26.8		8.1		26.3		88.3		6.1		16.6		15		88				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 October 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	13:29	7.7	Surface	1.0	0.1	63	26.9	26.9	8.2	8.2	25.8	25.8	87.9	87.9	6.1	6.1	18.4	16.9	15	14	84	86	822075	808808	<0.2	<0.2	1.6	1.6
						1.0	0.1	63	26.9		8.2		25.8		87.9		6.1		18.4		16		83				<0.2		1.5	
					Middle	3.9	0.1	58	26.8	26.8	8.2	8.2	26.1	26.1	88.9	88.9	6.1		14.1		15		86				<0.2		1.3	
						3.9	0.1	60	26.8		8.2		26.1		88.9		6.1		14.1		14		85				<0.2		1.4	
					Bottom	6.7	0.2	36	26.8	26.8	8.1	8.1	26.1	26.1	90.7	90.7	6.3	6.3	18.3		12		88				<0.2		2.1	
						6.7	0.2	38	26.8		8.1		26.1		90.7		6.3		18.3		10		88				<0.2		1.4	
IM10	Cloudy	Moderate	13:36	7.4	Surface	1.0	0.1	40	27.0	27.0	8.2	8.2	26.2	26.2	87.4	87.4	6.0	6.0	14.0	16.4	13	12	85	87	822367	809774	<0.2	<0.2	1.5	1.6
						1.0	0.1	43	27.0		8.2		26.2		87.4		6.0		14.0		13		84				<0.2		1.8	
					Middle	3.7	0.1	40	26.9	26.9	8.2	8.2	26.3	26.3	87.5	87.5	6.0		17.8		13		87				<0.2		1.4	
						3.7	0.1	42	26.9		8.2		26.3		87.5		6.0		17.8		11		87				<0.2		1.6	
					Bottom	6.4	0.1	44	26.8	26.8	8.2	8.2	26.5	26.5	87.8	87.8	6.1	6.1	17.4		12		89				<0.2		1.5	
						6.4	0.1	46	26.8		8.2		26.5		87.8		6.1		17.4		11		88				<0.2		1.6	
IM11	Cloudy	Moderate	13:48	8.4	Surface	1.0	0.1	271	27.0	27.0	8.1	8.1	26.6	26.6	86.3	86.3	5.9	6.0	14.5	18.0	11	11	85	88	822054	811453	<0.2	<0.2	1.4	1.5
						1.0	0.1	272	27.0		8.1		26.6		86.3		5.9		14.5		11		87				<0.2		1.5	
					Middle	4.2	0.1	246	27.1	27.1	8.1	8.1	26.7	26.7	86.8	86.8	6.0		18.8		11		87				<0.2		1.5	
						4.2	0.1	250	27.1		8.1		26.7		86.8		6.0		18.8		10		88				<0.2		1.4	
					Bottom	7.4	0.1	214	27.1	27.1	8.1	8.1	26.7	26.7	88.3	88.3	6.1	6.1	20.8		11		89				<0.2		1.4	
						7.4	0.1	232	27.1		8.1		26.7		88.3		6.1		20.8		11		91				<0.2		1.5	
IM12	Cloudy	Moderate	13:57	7.9	Surface	1.0	0.1	60	27.0	27.0	8.1	8.1	26.4	26.4	87.5	87.5	6.0	6.1	9.2	9.8	11	12	86	87	821474	812063	<0.2	<0.2	2.2	1.6
						1.0	0.1	63	27.0		8.1		26.4		87.5		6.0		9.2		10		87				<0.2		1.5	
					Middle	4.0	0.2	51	27.0	27.0	8.1	8.1	26.4	26.4	88.1	88.1	6.1		10.0		14		88				<0.2		1.4	
						4.0	0.2	53	27.0		8.1		26.4		88.1		6.1		10.0		15		87				<0.2		1.6	
					Bottom	6.9	0.2	48	27.0	27.0	8.1	8.1	26.4	26.4	90.5	90.5	6.2	6.2	10.3		13		85				<0.2		1.7	
						6.9	0.2	51	27.0		8.1		26.4		90.5		6.2		10.3		11		86				<0.2		1.3	
SR2	Cloudy	Moderate	14:21	4.3	Surface	1.0	0.1	63	27.0	27.0	8.1	8.1	26.5	26.5	88.2	88.2	6.1	6.1	9.0	9.1	11	10	87	88	821458	814144	<0.2	<0.2	1.4	1.4
						1.0	0.2	68	27.0		8.1		26.5		88.2		6.1		9.0		10		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	134	26.9	26.9	8.1	8.1	26.6	26.6	91.7	91.8	6.3	6.3	9.3		10		89				<0.2		1.4	
						3.3	0.1	134	26.9		8.1		26.6		91.8		6.3		8.9		9		90				<0.2		1.4	
SR3	Cloudy	Moderate	13:16	8.2	Surface	1.0	0.3	68	26.8	26.8	8.1	8.1	26.2	26.2	89.0	89.0	6.1	6.2	18.6	17.5	10	11	-	-	822173	807570	-	-	-	-
						1.0	0.3	73	26.8		8.1		26.2		89.0		6.1		18.6		12		-				-		-	
					Middle	4.1	0.3	78	26.8	26.8	8.1	8.1	26.5	26.5	89.3	89.3	6.2		14.9		11		-				-		-	
						4.1	0.4	85	26.8		8.1		26.5		89.3		6.2		14.9		10		-				-		-	
					Bottom	7.2	0.2	55	26.8	26.8	8.1	8.1	26.7	26.7	89.8	89.8	6.2	6.2	18.9		12		-				-		-	
						7.2	0.3	59	26.8		8.1		26.7		89.8		6.2		18.9		10		-				-		-	
SR4A	Cloudy	Moderate	14:10	8.5	Surface	1.0	0.3	56	26.7	26.7	8.1	8.1	27.1	27.1	90.5	90.4	6.2	6.2	22.0	22.2	18	18	-	-	817199	807810	-	-	-	-
						1.0	0.3	60	26.7		8.1		27.1		90.3		6.2		22.0		17		-				-		-	
					Middle	4.3	0.2	55	26.7	26.7	8.1	8.1	27.1	27.1	90.2	90.2	6.2		20.3		18		-				-		-	
						4.3	0.3	58	26.7		8.1		27.1		90.2		6.2		20.5		19		-				-		-	
					Bottom	7.5	0.2	54	26.7	26.7	8.1	8.1	27.1	27.1	89.8	89.8	6.2	6.2	24.3		18		-				-		-	
						7.5	0.2	58	26.7		8.1		27.1		89.8		6.2		24.3		19		-				-		-	
SR5A	Cloudy	Moderate	14:25	5.0	Surface	1.0	0.1	1	26.8	26.8	8.1	8.1	26.5	26.5	86.2	86.3	5.9	6.0	13.8	14.3	12	11	-	-	816600	810689	-	-	-	-
						1.0	0.1	1	26.8		8.1		26.5		86.3		6.0		13.8		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	9	26.8	26.8	8.1	8.1	26.5	26.5	88.0	88.1	6.1	6.1	14.8		10		-				-		-	
						4.0	0.1	9	26.8		8.1		26.5		88.1		6.1		14.8		10		-				-		-	
SR6	Cloudy	Moderate	14:53	4.8	Surface	1.0	0.1	62	27.0	27.0	8.1	8.1	26.1	26.1	87.4	87.4	6.0	6.0	11.0	10.8	10	11	-	-	817914	814644	-	-	-	-
						1.0	0.1	62	27.0		8.1		26.1		87.3		6.0		11.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	60	26.9	26.9	8.1	8.1	26.1	26.1	88.8	88.9	6.1	6.1	10.5		11		-				-		-	
						3.8	0.1	62	26.9		8.1		26.1		89.0		6.1		10.5		11		-				-		-	
SR7	Cloudy	Moderate	15:21	15.4	Surface	1.0	0.4	86	27.2	27.2	8.1	8.1	28.4	28.4	82.5	82.5	5.6	5.6	5.1	7.1	11	12	-	-	823627	823765	-	-	-	-
						1.0	0.4	94	27.2		8.1		28.4		82.5		5.6		5.1		12		-				-		-	
					Middle	7.7	0.3	74	27.2	27.2	8.1	8.1	28.6	28.6	82.1	82.1	5.6		7.1		12		-				-		-	
						7.7	0.3	75	27.2		8.1		28.6		82.1		5.6		7.1		11		-				-		-	
					Bottom	14.4	0.1	73	27.2	27.2	8.1	8.1	28.8	28.8	83.9	83.9	5.7	5.7	9.2		13		-				-		-	
						14.4	0.1	79	27.2		8.1		28.8		83.9		5.7		9.2		12		-				-		-	
SR8	Cloudy	Moderate	14:07	4.6	Surface	1.0	-	-	26.8	26.8	8.2	8.2	26.1	26.1	91.7	91.7	6.3	6.3	11.8	14.6	13	11	-	-	820527	811662	-	-	-	-
						1.0	-	-	26.8		8.2		26.1		91.7		6.3		11.8		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	26.8	26.8	8.1	8.1	26.2	26.2	93.1	93.1	6.4	6.4	17.3		9		-				-		-	
						3.6	-	-	26.8		8.1		26.2		93.1		6.4		17.3		10		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 October 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	07:48	8.9	Surface	1.0	0.7	51	26.7	26.7	8.2	8.2	27.2	27.2	90.9	90.9	6.2	6.2	16.2	37.6	20	16	86	90	815612	804218	<0.2	<0.2	1.1	1.1
						1.0	0.7	54	26.7		8.2		27.2		90.9		6.2		16.2		18		87				<0.2		1.2	
					Middle	4.5	0.6	37	26.9	26.9	8.2	8.2	28.5	28.5	90.2	90.2	6.1		37.6		14		90				<0.2		1.2	
						4.5	0.6	40	26.9		8.2		28.5		90.2		6.1		38.0		16		91				<0.2		1.0	
					Bottom	7.9	0.5	32	27.0	27.0	8.1	8.1	29.0	29.0	88.6	88.6	6.0	6.0	59.0		13		93				<0.2		1.0	
						7.9	0.5	32	27.0		8.1		29.0		88.5		6.0		58.7		13		92				<0.2		1.0	
C2	Cloudy	Moderate	09:29	12.2	Surface	1.0	0.4	357	27.0	27.0	8.1	8.1	25.1	25.1	85.6	85.6	5.9	6.0	15.0	13.3	8	7	83	86	825670	806937	<0.2	<0.2	1.5	1.4
						1.0	0.4	328	27.0		8.1		25.1		85.6		5.9		15.0		7		84				<0.2		1.4	
					Middle	6.1	0.4	1	26.9	26.9	8.1	8.1	25.7	25.7	86.1	86.1	6.0		11.3		6		85				<0.2		1.4	
						6.1	0.4	1	26.9		8.1		25.7		86.1		6.0		11.3		7		87				<0.2		1.4	
					Bottom	11.2	0.4	352	26.9	26.9	8.1	8.1	25.6	25.6	88.0	88.0	6.1	6.1	13.6		7		88				<0.2		1.4	
						11.2	0.4	324	26.9		8.1		25.6		88.0		6.1		13.6		6		87				<0.2		1.4	
C3	Cloudy	Moderate	07:30	11.5	Surface	1.0	0.5	256	27.1	27.1	8.1	8.1	26.8	26.8	84.6	84.6	5.8	5.7	14.0	14.4	10	9	85	88	822123	817800	<0.2	<0.2	1.5	1.5
						1.0	0.5	262	27.1		8.1		26.8		84.6		5.8		14.0		10		87				<0.2		1.6	
					Middle	5.8	0.5	253	27.3	27.3	8.1	8.1	27.6	27.6	81.8	81.8	5.6		14.1		9		86				<0.2		1.5	
						5.8	0.6	261	27.3		8.1		27.6		81.8		5.6		14.1		9		88				<0.2		1.4	
					Bottom	10.5	0.3	252	27.3	27.3	8.1	8.1	27.6	27.6	82.7	82.7	5.6	5.6	15.2		8		89				<0.2		1.4	
						10.5	0.4	261	27.3		8.1		27.6		82.7		5.6		15.2		9		90				<0.2		1.5	
IM1	Cloudy	Rough	08:05	5.6	Surface	1.0	0.3	10	26.6	26.6	8.1	8.1	26.8	26.8	89.0	89.0	6.1	6.1	14.8	18.1	12	16	85	88	817944	807157	<0.2	<0.2	1.1	1.2
						1.0	0.3	10	26.6		8.1		26.8		89.0		6.1		14.9		12		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	349	26.6	26.6	8.1	8.1	26.9	26.9	87.1	87.1	6.0	6.0	21.7		20		91				<0.2		1.1	
						4.6	0.1	321	26.6		8.1		26.9		87.1		6.0		21.1		18		91				<0.2		1.2	
IM2	Cloudy	Rough	08:12	7.7	Surface	1.0	0.3	15	26.7	26.7	8.2	8.2	26.9	26.9	89.3	89.3	6.2	6.2	11.4	15.6	16	21	86	90	818157	806173	<0.2	<0.2	1.3	1.2
						1.0	0.4	15	26.7		8.2		26.9		89.3		6.2		11.4		15		87				<0.2		1.2	
					Middle	3.9	0.4	20	26.7	26.7	8.2	8.2	26.9	26.9	88.0	88.1	6.1		13.5		21		90				<0.2		1.3	
						3.9	0.5	21	26.7		8.2		26.9		88.1		6.1		13.4		24		91				<0.2		1.2	
					Bottom	6.7	0.4	25	26.7	26.7	8.1	8.1	26.9	26.9	86.6	86.6	6.0	6.0	21.8		25		93				<0.2		1.2	
						6.7	0.4	27	26.7		8.1		26.9		86.6		6.0		21.9		23		94				<0.2		1.2	
IM3	Cloudy	Rough	08:18	6.3	Surface	1.0	0.3	348	26.7	26.7	8.2	8.2	27.1	27.1	89.0	89.1	6.1	6.1	13.1	16.0	15	17	83	87	818768	805593	<0.2	<0.2	1.4	1.3
						1.0	0.3	320	26.7		8.2		27.1		89.1		6.1		13.1		13		84				<0.2		1.3	
					Middle	3.2	0.4	19	26.7	26.7	8.2	8.2	27.1	27.1	88.0	88.0	6.1		14.3		12		86				<0.2		1.2	
						3.2	0.4	20	26.7		8.2		27.1		87.9		6.1		14.7		12		87				<0.2		1.2	
					Bottom	5.3	0.4	6	26.8	26.8	8.1	8.1	27.2	27.2	85.8	85.8	5.9	5.9	20.4		23		89				<0.2		1.2	
						5.3	0.4	6	26.8		8.1		27.2		85.7		5.9		20.4		24		91				<0.2		1.2	
IM4	Cloudy	Rough	08:27	8.3	Surface	1.0	0.4	20	26.7	26.7	8.2	8.2	26.8	26.8	89.6	89.7	6.2	6.2	11.0	16.8	14	18	86	90	819701	804622	<0.2	<0.2	1.1	1.1
						1.0	0.4	20	26.7		8.2		26.8		89.7		6.2		11.0		16		86				<0.2		1.0	
					Middle	4.2	0.5	16	26.8	26.8	8.2	8.2	27.1	27.1	88.7	88.7	6.1		18.1		15		89				<0.2		1.2	
						4.2	0.5	16	26.8		8.2		27.1		88.6		6.1		18.2		14		91				<0.2		1.0	
					Bottom	7.3	0.4	8	26.8	26.8	8.2	8.2	27.1	27.1	88.0	88.0	6.0	6.0	21.2		24		93				<0.2		1.4	
						7.3	0.4	8	26.8		8.2		27.1		88.0		6.0		21.1		22		93				<0.2		1.1	
IM5	Cloudy	Rough	08:34	7.5	Surface	1.0	0.5	14	26.7	26.7	8.2	8.2	26.7	26.7	89.9	89.9	6.2	6.2	16.7	19.8	17	24	86	91	820741	804889	<0.2	<0.2	1.2	1.2
						1.0	0.6	14	26.7		8.2		26.7		89.9		6.2		16.7		16		87				<0.2		1.2	
					Middle	3.8	0.4	356	26.7	26.7	8.2	8.2	26.8	26.8	88.5	88.5	6.1		20.1		26		90				<0.2		1.2	
						3.8	0.4	328	26.7		8.2		26.8		88.5		6.1		20.4		28		91				<0.2		1.2	
					Bottom	6.5	0.4	6	26.7	26.7	8.1	8.1	26.8	26.8	86.9	86.9	6.0	6.0	22.3		28		94				<0.2		1.2	
						6.5	0.4	6	26.7		8.1		26.8		86.8		6.0		22.3		27		95				<0.2		1.1	
IM6	Cloudy	Rough	08:40	7.6	Surface	1.0	0.3	35	26.8	26.8	8.2	8.2	26.2	26.2	89.2	89.2	6.2	6.1	16.1	18.5	13	17	89	89	821069	805853	<0.2	<0.2	1.2	1.2
						1.0	0.3	36	26.8		8.2		26.2		89.2		6.2		16.2		14		90				<0.2		1.2	
					Middle	3.8	0.2	357	26.8	26.8	8.2	8.2	26.4	26.4	87.3	87.3	6.0		17.7		20		83				<0.2		1.3	
						3.8	0.2	328	26.8		8.2		26.4		87.3		6.0		17.9		20		84				<0.2		1.2	
					Bottom	6.6	0.3	328	26.8	26.8	8.1	8.1	26.6	26.5	86.4	86.3	6.0	6.0	21.5		19		93				<0.2		1.2	
						6.6	0.4	328	26.8		8.1		26.5		86.2		5.9		21.7		17		93				<0.2		1.2	
IM7	Cloudy	Rough	08:47	9.1	Surface	1.0	0.1	16	26.9	26.9	8.1	8.1	24.8	24.8	86.1	86.2	6.0	6.0	13.6	17.2	11	13	88	91	821361	806840	<0.2	<0.2	1.4	1.4
						1.0	0.1	17	26.9		8.1		24.8		86.2		6.0		13.7		12		89				<0.2		1.5	
					Middle	4.6	0.1	315	26.9	26.9	8.1	8.1	25.5	25.4	85.6	85.6	5.9		16.8		15		90				<0.2		1.4	
						4.6	0.1	319	26.9		8.1		25.4		85.5		5.9		16.9		13		91				<0.2		1.5	
					Bottom	8.1	0.0	58	26.8	26.8	8.1	8.1	25.7	25.7	85.2	85.2	5.9	5.9	21.0		12		93				<0.2		1.4	
						8.1	0.0	62	26.8		8.1		25.7		85.2		5.9		21.0		14		94				<0.2		1.4	
IM8	Cloudy	Moderate	08:58	7.6	Surface	1.0	0.6	57	26.9	26.9	8.1	8.1	25.4	25.4	86.1	86.1	6.0	6.0	17.0	16.6	16	17	83	86	821829	808129	<0.2	<0.2	1.5	1.4
						1.0	0.6	57	26.9		8.1		25.4		86.1		6.0		17.0		14		84				<0.2		1.5	
					Middle	3.8	0.6	50	26.9	26.9	8.1	8.1	25.6	25.6	86.5	86.5	6.0		16.5		16		85				<0.2		1.4	
						3.8	0.6	50	26.9		8.1		25.6		86.5		6.0		16.5		16		87				<0.2		1.2	
					Bottom	6.6	0.4	54	26.8	26.8	8.2	8.2	26.3	26.3	87.6	87.6	6.0	6.0	16.2		18		88				<0.2		1.5	
						6.6	0.5	56	26.8		8.2		26.3		87.6		6.0		16.2		19		88				<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 11 October 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:51	7.5	Surface	1.0	0.1	41	26.9	26.9	8.1	8.1	25.5	25.5	86.5	86.5	6.0	6.0	11.1	12.3	15	15	84	86	822118	808796	<0.2	<0.2	1.4	1.4
						1.0	0.1	42	26.9		8.1		25.5		86.5		6.0		11.1		16		83				<0.2		1.4	
					Middle	3.8	0.3	60	26.9	26.9	8.1	8.1	25.5	25.5	87.1	87.1	6.0		12.4		14		85				<0.2		1.4	
						3.8	0.3	64	26.9		8.1		25.5		87.1		6.0		12.4		14		86				<0.2		1.5	
					Bottom	6.5	0.3	80	26.9	26.9	8.1	8.1	25.8	25.8	88.4	88.4	6.1	6.1	13.5		14		89				<0.2		1.4	
						6.5	0.3	81	26.9		8.1		25.8		88.4		6.1		13.5		14		88				<0.2		1.5	
IM10	Cloudy	Moderate	08:40	7.2	Surface	1.0	0.2	60	27.0	27.0	8.2	8.2	25.6	25.6	86.3	86.3	6.0	6.0	14.5	15.8	20	19	85	86	822363	809787	<0.2	<0.2	1.4	1.5
						1.0	0.2	65	27.0		8.2		25.6		86.3		6.0		14.5		19		85				<0.2		1.4	
					Middle	3.6	0.1	39	27.0	27.0	8.2	8.2	25.8	25.8	86.4	86.4	6.0		16.6		19		86				<0.2		1.5	
						3.6	0.1	42	27.0		8.2		25.8		86.4		6.0		16.6		20		87				<0.2		1.6	
					Bottom	6.2	0.3	4	26.9	26.9	8.1	8.1	26.4	26.4	86.7	86.7	6.0	6.0	16.2		20		88				<0.2		1.4	
						6.2	0.4	4	26.9		8.1		26.4		86.7		6.0		16.2		18		85				<0.2		1.5	
IM11	Cloudy	Moderate	08:29	8.2	Surface	1.0	0.4	344	27.1	27.1	8.2	8.2	26.6	26.6	85.9	85.9	5.9	5.9	12.8	12.5	22	22	85	86	822045	811463	<0.2	<0.2	1.2	1.5
						1.0	0.4	316	27.1		8.2		26.6		85.9		5.9		12.8		20		84				<0.2		2.0	
					Middle	4.1	0.4	332	27.1	27.1	8.2	8.2	26.6	26.6	86.3	86.3	5.9		13.6		22		86				<0.2		1.6	
						4.1	0.4	337	27.1		8.2		26.6		86.3		5.9		13.4		21		87				<0.2		1.3	
					Bottom	7.2	0.4	307	27.1	27.1	8.1	8.1	26.6	26.6	87.4	87.4	6.0	6.0	11.3		23		88				<0.2		1.4	
						7.2	0.4	332	27.1		8.1		26.6		87.4		6.0		11.3		21		88				<0.2		1.4	
IM12	Cloudy	Moderate	08:23	7.8	Surface	1.0	0.4	298	27.1	27.1	8.2	8.2	26.6	26.6	85.7	85.7	5.9	5.9	13.8	13.9	19	21	84	88	821480	812054	<0.2	<0.2	1.7	1.5
						1.0	0.5	299	27.1		8.2		26.6		85.7		5.9		13.8		21		87				<0.2		1.3	
					Middle	3.9	0.4	293	27.1	27.1	8.1	8.1	26.7	26.7	86.0	86.0	5.9		11.7		19		87				<0.2		1.5	
						3.9	0.4	316	27.1		8.1		26.7		86.0		5.9		11.7		19		88				<0.2		1.4	
					Bottom	6.8	0.2	295	27.1	27.1	8.1	8.1	26.7	26.7	87.2	87.2	6.0	6.0	16.1		24		90				<0.2		1.4	
						6.8	0.2	321	27.1		8.1		26.7		87.2		6.0		16.1		24		89				<0.2		1.4	
SR2	Cloudy	Moderate	07:54	3.7	Surface	1.0	0.4	316	27.1	27.1	8.1	8.1	26.6	26.6	85.8	85.8	5.9	5.9	15.8	19.0	20	15	86	87	821473	814170	<0.2	<0.2	1.5	1.4
						1.0	0.4	320	27.1		8.1		26.6		85.8		5.9		15.8		21		85				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.3	301	27.1	27.1	8.1	8.1	26.6	26.6	86.5	86.5	5.9	5.9	22.1		9		88				<0.2		1.5	
						2.7	0.3	315	27.1		8.1		26.6		86.5		5.9		22.1		10		88				<0.2		1.3	
SR3	Cloudy	Moderate	09:06	8.2	Surface	1.0	0.5	75	26.8	26.8	8.2	8.2	26.0	26.0	87.8	87.8	6.1	6.1	16.4	15.5	21	20	-	-	822165	807555	-	-	-	-
						1.0	0.6	76	26.8		8.2		26.0		87.8		6.1		16.4		20		-				-		-	
					Middle	4.1	0.5	80	26.8	26.8	8.2	8.2	26.3	26.3	88.2	88.2	6.1		14.2		19		-				-		-	
						4.1	0.6	84	26.8		8.2		26.3		88.2		6.1		14.2		20		-				-		-	
					Bottom	7.2	0.5	85	26.8	26.8	8.2	8.2	26.4	26.4	89.0	89.0	6.1	6.1	15.8		20		-				-		-	
						7.2	0.5	92	26.8		8.2		26.4		89.0		6.1		15.8		20		-				-		-	
SR4A	Cloudy	Moderate	07:26	9.8	Surface	1.0	0.3	55	26.8	26.8	8.1	8.1	26.6	26.6	83.5	83.5	5.8	5.8	15.5	21.0	14	14	-	-	817187	807834	-	-	-	-
						1.0	0.3	58	26.8		8.1		26.6		83.5		5.8		15.5		15		-				-		-	
					Middle	4.9	0.3	67	26.7	26.7	8.0	8.0	26.6	26.6	83.1	83.1	5.7		21.0		14		-				-		-	
						4.9	0.3	70	26.7		8.0		26.6		83.0		5.7		21.2		14		-				-		-	
					Bottom	8.8	0.2	60	26.7	26.7	8.0	8.0	26.8	26.8	79.8	79.7	5.5	5.5	26.3		13		-				-		-	
						8.8	0.2	61	26.7		8.0		26.8		79.5		5.5		26.4		13		-				-		-	
SR5A	Cloudy	Calm	07:10	4.4	Surface	1.0	0.1	305	26.8	26.8	8.0	8.0	26.4	26.4	81.0	80.8	5.6	5.6	13.0	13.3	16	15	-	-	816583	810707	-	-	-	-
						1.0	0.1	334	26.8		8.0		26.4		80.5		5.6		13.0		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	312	26.8	26.8	7.9	7.9	26.4	26.4	77.6	77.6	5.4	5.4	13.6		14		-				-		-	
						3.4	0.0	329	26.8		7.9		26.4		77.5		5.3		13.6		15		-				-		-	
SR6	Cloudy	Calm	06:44	4.6	Surface	1.0	0.1	254	27.0	27.0	8.0	8.0	26.3	26.3	85.8	85.9	5.9	5.9	17.1	18.3	18	18	-	-	817923	814654	-	-	-	-
						1.0	0.2	264	27.0		8.0		26.3		85.9		5.9		17.2		17		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	258	27.0	27.0	8.0	8.0	26.3	26.3	86.7	86.8	6.0	6.0	19.4		19		-				-		-	
						3.6	0.1	271	27.0		8.0		26.3		86.8		6.0		19.5		17		-				-		-	
SR7	Cloudy	Moderate	06:59	16.4	Surface	1.0	0.1	50	27.2	27.2	8.1	8.1	27.9	27.9	82.1	82.1	5.6	5.6	10.9	12.4	13	12	-	-	823662	823751	-	-	-	-
						1.0	0.2	51	27.2		8.1		27.9		82.1		5.6		10.9		12		-				-		-	
					Middle	8.2	0.3	82	27.2	27.2	8.1	8.1	28.0	28.0	81.4	81.4	5.5		12.9		12		-				-		-	
						8.2	0.3	89	27.2		8.1		28.0		81.4		5.5		12.9		11		-				-		-	
					Bottom	15.4	0.2	90	27.2	27.2	8.1	8.1	28.0	28.0	81.3	81.3	5.5	5.5	13.3		12		-				-		-	
						15.4	0.2	95	27.2		8.1		28.0		81.3		5.5		13.3		12		-				-		-	
SR8	Cloudy	Moderate	08:08	4.1	Surface	1.0	-	-	27.0	27.0	8.1	8.1	26.2	26.2	87.0	87.0	6.0	6.0	12.0	13.2	16	15	-	-	820484	811633	-	-	-	-
						1.0	-	-	27.0		8.1		26.2		87.0		6.0		12.0		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	26.9	26.9	8.1	8.1	26.3	26.3	87.6	87.6	6.0	6.0	14.3		14		-				-		-	
						3.1	-	-	26.9		8.1		26.3		87.6		6.0		14.3		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its 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 October 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	14:57	9.1	Surface	1.0	0.1	333	26.6	26.6	8.2	8.2	28.9	28.9	89.2	89.2	6.1	6.1	5.8	8.9	8	11	87	90	815648	804245	<0.2	<0.2	1.3	1.4
						1.0	0.1	339	26.6		8.2		28.9		89.2				5.9		10		86				<0.2		1.3	
					Middle	4.6	0.1	357	26.5	26.5	8.2	8.2	29.1	29.1	88.1	88.1	6.0		7.9		12		90				<0.2		1.4	
						4.6	0.1	338	26.5		8.2		29.1		88.0		6.0		7.9		12		91				<0.2		1.4	
					Bottom	8.1	0.0	326	26.4	26.4	8.2	8.2	29.4	29.4	87.5	87.6	6.0	6.0	13.0		13		93				<0.2		1.4	
						8.1	0.0	327	26.4		8.2		29.4		87.6		6.0		12.9		13		92				<0.2		1.5	
C2	Cloudy	Moderate	14:01	11.8	Surface	1.0	0.2	33	26.6	26.6	8.1	8.1	27.0	27.0	83.5	83.5	5.8	5.8	5.4	8.1	18	21	83	86	825704	806936	<0.2	<0.2	1.2	1.3
						1.0	0.2	35	26.6		8.1		27.0		83.5		5.8		5.4		19		82				<0.2		1.5	
					Middle	5.9	0.3	51	26.6	26.6	8.1	8.1	27.1	27.1	82.6	82.6	5.7		6.7		21		87				<0.2		1.2	
						5.9	0.3	53	26.6		8.1		27.1		82.5		5.7		6.7		21		86				<0.2		1.4	
					Bottom	10.8	0.2	59	26.7	26.7	8.1	8.1	28.1	28.1	81.9	81.9	5.6	5.6	12.1		24		90				<0.2		1.4	
						10.8	0.2	59	26.7		8.1		28.1		81.9		5.6		12.1		25		90				<0.2		1.3	
C3	Cloudy	Moderate	15:58	11.8	Surface	1.0	0.4	58	27.0	27.0	8.2	8.2	30.5	30.5	85.9	85.9	5.8	5.8	3.1	4.9	10	11	87	90	822114	817791	<0.2	<0.2	1.3	1.2
						1.0	0.4	58	27.0		8.2		30.5		85.9		5.8		3.1		10		86				<0.2		1.1	
					Middle	5.9	0.3	83	27.0	27.0	8.2	8.2	30.5	30.5	84.8	84.8	5.7		3.8		11		90				<0.2		1.3	
						5.9	0.4	84	27.0		8.2		30.5		84.8		5.7		3.9		12		91				<0.2		1.3	
					Bottom	10.8	0.2	82	26.8	26.8	8.2	8.2	30.7	30.7	83.7	83.7	5.6	5.6	7.8		11		94				<0.2		1.2	
						10.8	0.3	88	26.8		8.2		30.7		83.7		5.6		7.8		12		94				<0.2		1.2	
IM1	Cloudy	Moderate	14:39	5.4	Surface	1.0	0.1	177	26.5	26.5	8.2	8.2	29.3	29.3	88.2	88.2	6.0	6.0	5.9	6.4	9	11	87	89	817920	807135	<0.2	<0.2	1.4	1.3
						1.0	0.1	194	26.5		8.2		29.3		88.2		6.0		5.9		9		86				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	185	26.5	26.5	8.2	8.2	29.4	29.4	88.0	88.0	6.0	6.0	6.9		12		90				<0.2		1.2	
						4.4	0.1	186	26.5		8.2		29.4		88.0		6.0		6.9		12		92				<0.2		1.3	
IM2	Cloudy	Moderate	14:34	7.8	Surface	1.0	0.2	50	26.5	26.5	8.2	8.2	29.4	29.4	87.8	87.8	6.0	6.0	11.1	12.7	11	12	85	90	818151	806161	<0.2	<0.2	1.3	1.4
						1.0	0.2	52	26.5		8.2		29.4		87.7		6.0		11.2		10		86				<0.2		1.3	
					Middle	3.9	0.1	32	26.5	26.5	8.2	8.2	29.4	29.4	87.5	87.5	6.0		12.4		11		90				<0.2		1.4	
						3.9	0.1	33	26.5		8.2		29.4		87.5		6.0		12.4		12		91				<0.2		1.2	
					Bottom	6.8	0.1	71	26.4	26.4	8.2	8.2	29.4	29.4	87.4	87.4	6.0	6.0	14.4		14		93				<0.2		1.6	
						6.8	0.1	74	26.5		8.2		29.4		87.4		6.0		14.4		14		94				<0.2		1.3	
IM3	Cloudy	Moderate	14:28	8.1	Surface	1.0	0.2	44	26.6	26.6	8.2	8.2	28.6	28.6	89.1	89.1	6.1	6.1	8.2	9.1	11	12	86	89	818762	805600	<0.2	<0.2	1.6	1.6
						1.0	0.2	44	26.6		8.2		28.6		89.1		6.1		8.2		11		85				<0.2		1.6	
					Middle	4.1	0.1	49	26.5	26.5	8.2	8.2	28.7	28.7	88.4	88.4	6.1		9.5		12		91				<0.2		1.7	
						4.1	0.1	53	26.5		8.2		28.7		88.4		6.1		9.4		12		91				<0.2		1.4	
					Bottom	7.1	0.2	41	26.5	26.5	8.2	8.2	29.2	29.2	88.5	88.5	6.0	6.0	9.6		13		92				<0.2		1.4	
						7.1	0.2	41	26.5		8.2		29.2		88.5		6.0		9.6		13		91				<0.2		1.7	
IM4	Cloudy	Moderate	14:21	8.4	Surface	1.0	0.3	33	26.6	26.6	8.1	8.1	27.8	27.8	87.5	87.5	6.0	6.0	8.0	9.6	10	13	86	90	819741	804624	<0.2	<0.2	1.3	1.3
						1.0	0.3	34	26.6		8.1		27.8		87.5		6.0		8.1		10		87				<0.2		1.3	
					Middle	4.2	0.2	39	26.5	26.5	8.1	8.1	28.3	28.3	87.4	87.4	6.0		10.5		12		91				<0.2		1.2	
						4.2	0.2	41	26.5		8.1		28.3		87.4		6.0		10.5		13		90				<0.2		1.3	
					Bottom	7.4	0.1	340	26.5	26.5	8.2	8.2	28.6	28.6	87.6	87.6	6.0	6.0	10.3		16		92				<0.2		1.2	
						7.4	0.1	347	26.5		8.2		28.6		87.6		6.0		10.4		14		92				<0.2		1.2	
IM5	Cloudy	Moderate	14:11	7.6	Surface	1.0	0.1	21	26.7	26.7	8.1	8.1	27.7	27.7	88.3	88.3	6.1	6.1	6.5	8.4	10	13	83	87	820712	804853	<0.2	<0.2	1.5	1.5
						1.0	0.1	21	26.7		8.1		27.7		88.3		6.1		6.6		12		84				<0.2		1.7	
					Middle	3.8	0.2	28	26.6	26.6	8.2	8.2	28.1	28.1	88.0	88.0	6.0		8.1		13		86				<0.2		1.5	
						3.8	0.2	30	26.6		8.2		28.1		88.0		6.0		8.1		13		88				<0.2		1.6	
					Bottom	6.6	0.1	30	26.5	26.5	8.2	8.2	28.8	28.8	88.1	88.1	6.0	6.0	10.6		15		90				<0.2		1.2	
						6.6	0.1	31	26.5		8.2		28.8		88.1		6.0		10.5		14		91				<0.2		1.6	
IM6	Cloudy	Moderate	14:03	8.0	Surface	1.0	0.1	27	26.5	26.5	8.2	8.2	28.2	28.2	88.0	88.0	6.0	6.1	8.8	13.1	16	17	84	87	821053	805822	<0.2	<0.2	1.4	1.5
						1.0	0.1	28	26.5		8.2		28.2		88.0		6.0		8.9		17		83				<0.2		1.6	
					Middle	4.0	0.3	333	26.4	26.4	8.2	8.2	29.9	29.9	88.9	88.9	6.1		12.6		16		86				<0.2		1.5	
						4.0	0.3	340	26.4		8.2		29.9		88.8		6.1		12.4		17		87				<0.2		1.4	
					Bottom	7.0	0.1	65	26.4	26.4	8.2	8.2	30.0	30.0	88.4	88.4	6.0	6.0	17.9		19		90				<0.2		1.8	
						7.0	0.1	68	26.4		8.2		30.0		88.4		6.0		17.9		18		90				<0.2		1.3	
IM7	Cloudy	Moderate	14:00	9.4	Surface	1.0	0.0	20	26.6	26.6	8.1	8.1	27.0	27.0	83.6	83.6	5.8	5.8	5.1	6.0	11	12	80	85	821329	806836	<0.2	<0.2	1.3	1.5
						1.0	0.0	21	26.6		8.1		27.0		83.5		5.8		5.1		11		81				<0.2		1.2	
					Middle	4.7	0.1	327	26.6	26.6	8.1	8.1	27.0	27.0	82.9	82.9	5.7		5.8		12		85				<0.2		1.5	
						4.7	0.1	339	26.6		8.1		27.0		82.9		5.7		5.8		12		86				<0.2		1.5	
					Bottom	8.4	0.1	43	26.7	26.7	8.1	8.1	27.3	27.3	82.2	82.2	5.7	5.7	7.2		13		88				<0.2		1.6	
						8.4	0.1	43	26.7		8.1		27.3		82.2		5.7		7.1		14		89				<0.2		1.7	
IM8	Cloudy	Moderate	14:31	8.9	Surface	1.0	0.2	99	26.7	26.7	8.1	8.1	27.7	27.7	88.6	88.6	6.1	6.1	6.9	9.7	13	16	87	91	821827	808168	<0.2	<0.2	1.6	1.7
						1.0	0.2	102	26.7		8.1		27.7		88.6		6.1		6.9		13		87				<0.2		1.6	
					Middle	4.5	0.3	92	26.5	26.5	8.2	8.2	28.2	28.2	88.7	88.8	6.1		8.9		16		91				<0.2		1.6	
						4.5	0.3	94	26.5		8.2		28.2		88.8		6.1		8.7		17		91				<0.2		1.8	
					Bottom	7.9	0.3	67	26.4	26.4	8.2	8.2	29.2	29.2	90.6	90.6	6.2	6.2	13.5		17		95				<0.2		1.8	
						7.9	0.3	70	26.4		8.2		29.2		90.6		6.2		13.5		17		94				<0.2		1.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 October 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	14:38	8.3	Surface	1.0	0.4	90	26.6	26.6	8.1	8.1	27.9	27.9	87.9	87.9	6.0	6.1	8.0	10.0	10	12	88	91	822082	808810	<0.2	<0.2	1.5	1.6
						1.0	0.4	96	26.6		8.1		27.9		87.9		6.0		8.1		10		87				<0.2		1.7	
					Middle	4.2	0.4	71	26.5	26.5	8.2	8.2	28.4	28.4	88.5	88.5	6.1		10.9		13		91				<0.2		1.7	
						4.2	0.4	71	26.5		8.2		28.4		88.5		6.1		10.7		12		91				<0.2		1.4	
					Bottom	7.3	0.3	66	26.5	26.5	8.2	8.2	29.1	29.0	89.8	89.9	6.1	6.1	11.2		14		95				<0.2		1.7	
						7.3	0.3	69	26.5		8.2		29.0		89.9		6.1		11.2		14		95				<0.2		1.7	
IM10	Cloudy	Moderate	14:49	8.4	Surface	1.0	0.4	80	26.6	26.6	8.2	8.2	28.6	28.6	89.1	89.1	6.1	6.1	8.4	12.3	9	11	87	91	822373	809774	<0.2	<0.2	1.8	1.7
						1.0	0.4	86	26.6		8.2		28.6		89.1		6.1		8.4		10		87				<0.2		1.7	
					Middle	4.2	0.3	72	26.5	26.5	8.2	8.2	28.8	28.8	88.3	88.3	6.0		11.2		10		90				<0.2		1.7	
						4.2	0.3	77	26.5		8.2		28.8		88.3		6.0		11.3		10		91				<0.2		1.6	
					Bottom	7.4	0.3	95	26.5	26.5	8.2	8.2	29.4	29.4	88.2	88.3	6.0	6.0	17.0		14		94				<0.2		1.4	
						7.4	0.4	100	26.5		8.2		29.4		88.3		6.0		17.4		13		95				<0.2		1.7	
IM11	Cloudy	Moderate	15:02	9.1	Surface	1.0	0.3	105	26.5	26.5	8.2	8.2	29.4	29.4	87.8	87.8	6.0	6.0	11.7	13.0	9	10	87	91	822076	811483	<0.2	<0.2	1.3	1.4
						1.0	0.4	109	26.5		8.2		29.4		87.8		6.0		11.7		10		87				<0.2		1.6	
					Middle	4.6	0.3	83	26.5	26.5	8.2	8.2	29.4	29.4	87.6	87.6	6.0		13.4		10		91				<0.2		1.5	
						4.6	0.3	83	26.5		8.2		29.4		87.6		6.0		13.4		10		91				<0.2		1.3	
					Bottom	8.1	0.2	70	26.4	26.4	8.2	8.2	29.4	29.4	87.8	87.8	6.0	6.0	13.7		12		95				<0.2		1.3	
						8.1	0.2	70	26.4		8.2		29.4		87.8		6.0		13.8		11		95				<0.2		1.6	
IM12	Cloudy	Moderate	15:10	8.4	Surface	1.0	0.5	89	26.5	26.5	8.2	8.2	29.3	29.3	88.2	88.3	6.0	6.0	6.0	7.6	10	12	86	91	821477	812028	<0.2	<0.2	1.5	1.8
						1.0	0.5	89	26.5		8.2		29.3		88.3		6.0		6.0		11		87				<0.2		1.6	
					Middle	4.2	0.4	78	26.4	26.4	8.2	8.2	29.4	29.4	88.3	88.3	6.0		7.9		12		91				<0.2		1.7	
						4.2	0.5	85	26.4		8.2		29.4		88.3		6.0		7.8		13		91				<0.2		1.8	
					Bottom	7.4	0.3	85	26.5	26.5	8.2	8.2	29.4	29.4	89.0	89.0	6.1	6.1	9.0		13		95				<0.2		2.0	
						7.4	0.3	85	26.5		8.2		29.4		89.0		6.1		8.9		12		95				<0.2		2.1	
SR2	Cloudy	Moderate	15:37	5.6	Surface	1.0	0.4	84	26.5	26.5	8.2	8.2	29.4	29.4	88.6	88.6	6.0	6.0	6.9	8.2	8	9	87	89	821461	814177	<0.2	<0.2	2.0	2.1
						1.0	0.4	84	26.5		8.2		29.4		88.6		6.0		6.9		8		87				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	101	26.5	26.5	8.2	8.2	29.5	29.5	88.0	88.0	6.0	6.0	9.5		10		91				<0.2		2.0	
						4.6	0.2	105	26.5		8.2		29.5		88.0		6.0		9.5		10		91				<0.2		2.1	
SR3	Cloudy	Moderate	14:24	10.0	Surface	1.0	0.3	143	26.5	26.5	8.1	8.1	28.2	28.2	88.2	88.2	6.1	6.1	8.5	13.4	11	13	-	-	822144	807589	-	-	-	-
						1.0	0.3	156	26.5		8.1		28.2		88.2		6.1		8.5		11		-				-		-	
					Middle	5.0	0.3	118	26.4	26.4	8.2	8.2	29.5	29.5	89.0	89.0	6.1		13.3		12		-				-		-	
						5.0	0.3	120	26.4		8.2		29.5		89.0		6.1		13.3		12		-				-		-	
					Bottom	9.0	0.4	83	26.4	26.4	8.2	8.2	30.0	30.0	90.3	90.4	6.2	6.2	18.2		15		-				-		-	
						9.0	0.4	86	26.4		8.2		30.0		90.4		6.2		18.3		15		-				-		-	
SR4A	Cloudy	Calm	15:20	8.6	Surface	1.0	0.2	79	26.6	26.6	8.2	8.2	29.4	29.4	89.1	89.1	6.1	6.0	6.0	10.3	8	10	-	-	817215	807809	-	-	-	-
						1.0	0.2	79	26.6		8.2		29.4		89.0		6.1		6.0		8		-				-		-	
					Middle	4.3	0.1	86	26.5	26.5	8.2	8.2	29.5	29.5	86.9	86.9	5.9		9.8		10		-				-		-	
						4.3	0.1	93	26.5		8.2		29.5		86.9		5.9		9.9		11		-				-		-	
					Bottom	7.6	0.1	70	26.4	26.4	8.2	8.2	29.5	29.5	86.8	86.9	5.9	5.9	15.0		12		-				-		-	
						7.6	0.1	74	26.4		8.2		29.5		86.9		5.9		14.9		11		-				-		-	
SR5A	Cloudy	Calm	15:36	5.0	Surface	1.0	0.2	51	27.0	27.0	8.2	8.2	30.5	30.5	85.4	85.4	5.7	5.7	3.0	3.4	11	13	-	-	816597	810678	-	-	-	-
						1.0	0.2	53	27.0		8.2		30.5		85.4		5.7		3.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	158	26.8	26.8	8.2	8.2	30.6	30.6	83.8	83.9	5.6	5.6	3.8		15		-				-		-	
						4.0	0.1	161	26.8		8.2		30.6		83.9		5.6		3.8		14		-				-		-	
SR6	Cloudy	Calm	15:59	4.3	Surface	1.0	0.1	41	26.9	26.9	8.2	8.2	30.8	30.8	81.7	81.7	5.5	5.5	3.8	4.0	7	9	-	-	817899	814660	-	-	-	-
						1.0	0.1	41	26.9		8.2		30.8		81.7		5.5		3.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	62	26.9	26.9	8.2	8.2	30.9	30.9	81.9	81.9	5.5	5.5	4.2		11		-				-		-	
						3.3	0.2	67	26.9		8.2		30.9		81.9		5.5		4.2		11		-				-		-	
SR7	Cloudy	Moderate	16:29	18.0	Surface	1.0	0.7	87	26.9	26.9	8.2	8.2	30.8	30.8	81.7	81.7	5.5	5.5	3.9	4.1	7	8	-	-	823634	823767	-	-	-	-
						1.0	0.8	87	26.9		8.2		30.8		81.7		5.5		4.0		7		-				-		-	
					Middle	9.0	0.6	93	26.9	26.9	8.2	8.2	31.0	31.0	81.5	81.5	5.5		4.1		8		-				-		-	
						9.0	0.6	98	26.9		8.2		31.0		81.5		5.5		4.1		7		-				-		-	
					Bottom	17.0	0.2	125	26.9	26.9	8.2	8.2	31.1	31.1	81.9	81.9	5.5	5.5	4.1		8		-				-		-	
						17.0	0.2	132	26.9		8.2		31.1		81.9		5.5		4.2		9		-				-		-	
SR8	Cloudy	Moderate	15:21	4.3	Surface	1.0	-	-	26.6	26.6	8.2	8.2	28.9	28.9	90.0	90.0	6.1	6.1	5.4	6.5	9	10	-	-	820518	811663	-	-	-	-
						1.0	-	-	26.6		8.2		28.9		90.0		6.1		5.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	26.5	26.5	8.2	8.2	29.2	29.2	89.2	89.2	6.1	6.1	7.5		10		-				-		-	
						3.3	-	-	26.5		8.2		29.2		89.2		6.1		7.5		10		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 October 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	09:32	8.8	Surface	1.0	0.6	55	26.4	26.4	8.2	8.2	29.4	29.4	87.4	87.4	6.0	6.0	13.1	16.0	11	13	82	86	815604	804255	<0.2	<0.2	2.0	1.9
						1.0	0.6	55	26.4		8.2		29.4		87.4		6.0		13.0		11		84				<0.2		1.8	
					Middle	4.4	0.4	52	26.4	26.4	8.2	8.2	29.4	29.4	87.1	87.1	6.0		16.5		13		87				<0.2		1.9	
						4.4	0.5	53	26.4		8.2		29.4		87.1		6.0		16.6		12		87				<0.2		1.6	
					Bottom	7.8	0.5	59	26.4	26.4	8.2	8.2	29.4	29.4	87.2	87.2	6.0	6.0	18.4		15		89				<0.2		1.8	
						7.8	0.5	63	26.4		8.2		29.4		87.2		6.0		18.4		15		89				<0.2		2.0	
C2	Cloudy	Moderate	11:18	11.6	Surface	1.0	0.3	356	26.6	26.6	8.1	8.1	27.1	27.1	84.6	84.6	5.8	5.8	5.1	10.2	10	11	87	91	825661	806928	<0.2	<0.2	2.1	1.8
						1.0	0.3	328	26.6		8.1		27.1		84.6		5.8		5.2		9		87				<0.2		2.0	
					Middle	5.8	0.3	11	26.7	26.7	8.1	8.1	27.3	27.3	82.3	82.3	5.7		8.6		10		91				<0.2		1.8	
						5.8	0.3	11	26.7		8.1		27.3		82.3		5.7		8.7		11		91				<0.2		1.7	
					Bottom	10.6	0.3	294	26.7	26.7	8.1	8.1	28.4	28.4	83.7	83.8	5.7	5.7	16.8		12		95				<0.2		1.6	
						10.6	0.3	303	26.7		8.1		28.4		83.8		5.7		16.7		12		94				<0.2		1.6	
C3	Cloudy	Moderate	09:30	11.4	Surface	1.0	0.5	255	26.5	26.5	8.2	8.2	29.5	29.5	86.9	86.9	5.9	5.8	5.0	10.0	9	11	83	87	822137	817795	<0.2	<0.2	1.7	1.7
						1.0	0.5	256	26.5		8.2		29.5		86.9		5.9		5.0		10		83				<0.2		1.7	
					Middle	5.7	0.6	253	26.7	26.7	8.2	8.2	29.7	29.7	83.7	83.7	5.7		8.9		11		87				<0.2		1.8	
						5.7	0.6	255	26.7		8.2		29.7		83.7		5.7		9.0		10		87				<0.2		1.7	
					Bottom	10.4	0.4	259	26.8	26.8	8.2	8.2	30.1	30.1	83.6	83.7	5.7	5.7	15.9		12		90				<0.2		1.7	
						10.4	0.5	278	26.8		8.2		30.1		83.8		5.7		15.9		12		90				<0.2		1.4	
IM1	Cloudy	Moderate	09:48	5.5	Surface	1.0	0.2	322	26.5	26.5	8.2	8.2	29.2	29.2	87.9	87.9	6.0	6.0	9.1	9.7	22	22	86	89	817935	807106	<0.2	<0.2	1.7	1.7
						1.0	0.2	345	26.5		8.2		29.2		87.9		6.0		9.1		22		85				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.2	21	26.4	26.4	8.2	8.2	29.3	29.3	87.6	87.6	6.0	6.0	10.3		22		91				<0.2		1.7	
						4.5	0.2	22	26.4		8.2		29.3		87.6		6.0		10.4		23		92				<0.2		1.7	
IM2	Cloudy	Moderate	09:55	8.0	Surface	1.0	0.4	30	26.4	26.4	8.2	8.2	29.2	29.2	88.1	88.1	6.0	6.0	8.4	13.6	12	15	87	90	818156	806179	<0.2	<0.2	1.6	1.6
						1.0	0.4	30	26.4		8.2		29.2		88.1		6.0		8.5		12		86				<0.2		1.7	
					Middle	4.0	0.3	27	26.4	26.4	8.2	8.2	29.3	29.3	87.5	87.5	6.0		12.1		14		90				<0.2		1.6	
						4.0	0.3	28	26.4		8.2		29.3		87.5		6.0		12.2		15		91				<0.2		1.6	
					Bottom	7.0	0.3	11	26.4	26.4	8.2	8.2	29.5	29.5	87.4	87.4	6.0	6.0	20.3		19		92				<0.2		1.6	
						7.0	0.3	11	26.4		8.2		29.5		87.4		6.0		20.2		20		91				<0.2		1.7	
IM3	Cloudy	Moderate	10:02	8.1	Surface	1.0	0.4	25	26.4	26.4	8.2	8.2	29.1	29.1	87.8	87.8	6.0	6.0	10.8	12.1	12	13	85	90	818787	805621	<0.2	<0.2	1.7	1.7
						1.0	0.4	25	26.4		8.2		29.1		87.8		6.0		10.8		12		87				<0.2		1.7	
					Middle	4.1	0.3	29	26.4	26.4	8.2	8.2	29.2	29.2	87.4	87.4	6.0		12.2		13		90				<0.2		1.7	
						4.1	0.3	29	26.4		8.2		29.2		87.4		6.0		12.2		13		91				<0.2		1.7	
					Bottom	7.1	0.2	13	26.4	26.4	8.2	8.2	29.2	29.2	87.4	87.4	6.0	6.0	13.3		13		93				<0.2		1.6	
						7.1	0.2	13	26.4		8.2		29.2		87.4		6.0		13.4		14		91				<0.2		1.7	
IM4	Cloudy	Moderate	10:09	8.2	Surface	1.0	0.4	21	26.5	26.5	8.1	8.1	27.7	27.7	86.9	86.9	6.0	6.0	10.6	13.7	22	17	85	88	819732	804632	<0.2	<0.2	1.7	1.7
						1.0	0.5	22	26.5		8.1		27.7		86.9		6.0		10.6		23		84				<0.2		1.7	
					Middle	4.1	0.3	17	26.5	26.5	8.1	8.1	27.8	27.8	85.7	85.7	5.9		12.8		14		88				<0.2		1.7	
						4.1	0.4	17	26.5		8.1		27.8		85.7		5.9		12.6		13		90				<0.2		1.8	
					Bottom	7.2	0.3	20	26.5	26.5	8.1	8.1	27.8	27.8	85.9	85.9	5.9	5.9	17.6		15		91				<0.2		1.6	
						7.2	0.3	20	26.5		8.1		27.8		85.9		5.9		17.7		16		91				<0.2		1.6	
IM5	Cloudy	Moderate	10:16	7.4	Surface	1.0	0.4	25	26.6	26.6	8.1	8.1	27.4	27.4	86.6	86.6	6.0	6.0	7.7	10.1	12	14	87	90	820761	804883	<0.2	<0.2	1.6	1.6
						1.0	0.4	27	26.6		8.1		27.4		86.6		6.0		7.7		13		86				<0.2		1.6	
					Middle	3.7	0.3	10	26.5	26.5	8.1	8.1	27.8	27.8	86.6	86.6	6.0		10.3		13		91				<0.2		1.7	
						3.7	0.4	10	26.5		8.1		27.8		86.6		6.0		10.4		14		90				<0.2		1.6	
					Bottom	6.4	0.2	44	26.4	26.4	8.1	8.1	28.5	28.5	86.6	86.6	5.9	5.9	12.1		15		92				<0.2		1.5	
						6.4	0.2	47	26.4		8.1		28.5		86.6		5.9		12.1		15		91				<0.2		1.8	
IM6	Cloudy	Moderate	10:22	7.6	Surface	1.0	0.2	11	26.6	26.6	8.1	8.1	27.3	27.3	85.9	85.9	5.9	5.9	8.0	15.9	10	11	86	89	821072	805802	<0.2	<0.2	1.4	1.6
						1.0	0.2	11	26.6		8.1		27.3		85.9		5.9		8.0		11		83				<0.2		1.6	
					Middle	3.8	0.2	37	26.4	26.4	8.1	8.1	28.2	28.3	86.4	86.4	5.9		16.2		11		91				<0.2		1.6	
						3.8	0.2	39	26.4		8.1		28.3		86.4		5.9		16.4		11		91				<0.2		1.6	
					Bottom	6.6	0.2	52	26.4	26.4	8.1	8.1	28.7	28.7	86.2	86.2	5.9	5.9	23.3		12		91				<0.2		1.7	
						6.6	0.2	52	26.4		8.1		28.7		86.2		5.9		23.4		12		92				<0.2		1.7	
IM7	Cloudy	Moderate	10:30	9.0	Surface	1.0	0.0	18	26.6	26.6	8.1	8.1	27.1	27.1	83.4	83.4	5.8	5.8	5.8	6.1	10	12	84	87	821336	806829	<0.2	<0.2	1.7	1.6
						1.0	0.0	18	26.6		8.1		27.1		83.4		5.8		5.8		10		84				<0.2		1.6	
					Middle	4.5	0.1	350	26.6	26.6	8.1	8.1	27.1	27.1	82.7	82.7	5.7		5.9		11		86				<0.2		1.5	
						4.5	0.1	322	26.6		8.1		27.1		82.7		5.7		5.9		12		87				<0.2		1.5	
					Bottom	8.0	0.1	57	26.7	26.7	8.1	8.1	27.2	27.2	83.0	83.1	5.7	5.7	6.6		13		91				<0.2		1.5	
						8.0	0.2	61	26.7		8.1		27.2		83.1		5.7		6.5		13		91				<0.2		1.6	
IM8	Cloudy	Moderate	10:51	7.8	Surface	1.0	0.3	54	26.6	26.6	8.1	8.1	27.4	27.4	87.1	87.1	6.0	6.0	8.3	12.2	11	13	87	92	821830	808133	<0.2	<0.2	1.5	1.6
						1.0	0.3	58	26.6		8.1		27.4		87.1		6.0		8.3		12		87				<0.2		1.8	
					Middle	3.9	0.2	49	26.5	26.5	8.1	8.1	27.8	27.8	86.9	86.9	6.0		11.5		13		92				<0.2		1.6	
						3.9	0.2	49	26.5		8.1		27.8		86.9		6.0		11.7		12		92				<0.2		1.5	
					Bottom	6.8	0.2	26	26.4	26.4	8.2	8.2	29.3	29.3	88.7	88.7	6.1	6.1	16.8		14		95				<0.2		1.6	
						6.8	0.3	27	26.4		8.2		29.3		88.7		6.1		16.4		15		96				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 October 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	10:44	7.8	Surface	1.0	0.1	30	26.5	26.5	8.1	8.1	27.7	27.7	87.1	87.1	6.0	6.0	11.6	16.3	19	20	87	91	822096	808787	<0.2	<0.2	1.5	1.5
						1.0	0.1	31	26.5		8.1		27.7		87.1		6.0		11.7		20		87				<0.2		1.6	
					Middle	3.9	0.1	66	26.5	26.5	8.1	8.1	27.8	27.8	86.3	86.3	5.9		16.8		19		92				<0.2		1.6	
						3.9	0.2	69	26.5		8.1		27.8		86.3		5.9		16.6		20		91				<0.2		1.5	
					Bottom	6.8	0.2	70	26.5	26.5	8.1	8.1	27.8	27.8	86.7	86.8	6.0	6.0	20.7		20		95				<0.2		1.4	
						6.8	0.2	73	26.5		8.1		27.8		86.8		6.0		20.1		21		96				<0.2		1.4	
IM10	Cloudy	Moderate	10:35	8.2	Surface	1.0	0.4	314	26.4	26.4	8.2	8.2	29.2	29.2	88.1	88.1	6.0	6.0	9.7	12.0	12	14	88	92	822393	809812	<0.2	<0.2	1.5	1.5
						1.0	0.5	344	26.4		8.2		29.2		88.1		6.0		9.7		12		87				<0.2		1.5	
					Middle	4.1	0.4	308	26.4	26.4	8.2	8.2	29.2	29.2	87.5	87.5	6.0		12.4		13		92				<0.2		1.5	
						4.1	0.5	333	26.4		8.2		29.2		87.5		6.0		12.5		14		91				<0.2		1.5	
					Bottom	7.2	0.3	307	26.4	26.4	8.2	8.2	29.2	29.2	88.2	88.2	6.0	6.0	13.9		16		95				<0.2		1.5	
						7.2	0.3	325	26.4		8.2		29.2		88.2		6.0		13.8		16		96				<0.2		1.6	
IM11	Cloudy	Moderate	10:24	7.9	Surface	1.0	0.3	269	26.4	26.4	8.2	8.2	29.2	29.2	88.4	88.4	6.0	6.0	7.7	13.1	11	12	88	92	822078	811446	<0.2	<0.2	1.5	1.5
						1.0	0.3	273	26.4		8.2		29.2		88.4		6.0		7.8		12		87				<0.2		1.6	
					Middle	4.0	0.3	291	26.4	26.4	8.2	8.2	29.4	29.3	87.4	87.4	6.0		13.6		11		92				<0.2		1.6	
						4.0	0.3	313	26.4		8.2		29.3		87.4		6.0		13.6		11		91				<0.2		1.5	
					Bottom	6.9	0.3	301	26.4	26.4	8.2	8.2	29.6	29.6	87.4	87.4	6.0	6.0	18.1		13		96				<0.2		1.6	
						6.9	0.3	319	26.4		8.2		29.6		87.4		6.0		18.0		12		95				<0.2		1.4	
IM12	Cloudy	Moderate	10:17	8.7	Surface	1.0	0.3	231	26.5	26.5	8.2	8.2	29.2	29.2	87.9	87.9	6.0	6.0	9.2	12.1	23	24	88	91	821457	812047	<0.2	<0.2	1.5	1.5
						1.0	0.3	240	26.5		8.2		29.2		87.9		6.0		9.2		23		87				<0.2		1.5	
					Middle	4.4	0.2	238	26.4	26.4	8.2	8.2	29.3	29.3	87.7	87.7	6.0		11.8		24		92				<0.2		1.4	
						4.4	0.2	259	26.4		8.2		29.3		87.7		6.0		11.8		25		91				<0.2		1.6	
					Bottom	7.7	0.2	262	26.4	26.4	8.2	8.2	29.4	29.4	88.1	88.2	6.0	6.0	15.3		25		95				<0.2		1.5	
						7.7	0.2	263	26.4		8.2		29.4		88.2		6.0		15.3		26		95				<0.2		1.5	
SR2	Cloudy	Moderate	09:49	4.0	Surface	1.0	0.6	322	26.3	26.3	8.2	8.2	29.4	29.4	89.5	89.5	6.1	6.1	8.4	10.9	8	10	87	90	821464	814170	<0.2	<0.2	1.5	1.5
						1.0	0.7	331	26.3		8.2		29.4		89.5		6.1		8.5		8		88				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.5	318	26.4	26.4	8.2	8.2	29.4	29.4	89.5	89.6	6.1	6.1	13.4		11		92				<0.2		1.6	
						3.0	0.6	336	26.4		8.2		29.4		89.6		6.1		13.4		11		91				<0.2		1.5	
SR3	Cloudy	Moderate	10:58	9.1	Surface	1.0	0.1	25	26.6	26.6	8.1	8.1	27.3	27.3	85.7	85.7	5.9	6.0	8.3	12.5	10	11	-	-	822120	807571	-	-	-	-
						1.0	0.1	27	26.6		8.1		27.3		85.7		5.9		8.4		9		-				-		-	
					Middle	4.6	0.2	71	26.4	26.4	8.1	8.1	28.5	28.5	86.8	86.8	6.0		11.2		11		-				-		-	
						4.6	0.2	74	26.4		8.1		28.5		86.8		6.0		11.1		10		-				-		-	
					Bottom	8.1	0.4	48	26.4	26.4	8.2	8.2	29.0	29.0	87.9	88.0	6.0	6.0	17.8		11		-				-		-	
						8.1	0.4	50	26.4		8.2		29.0		88.0		6.0		17.9		12		-				-		-	
SR4A	Cloudy	Calm	09:09	8.5	Surface	1.0	0.1	88	26.3	26.3	8.2	8.2	29.3	29.3	89.4	89.4	6.1	6.1	7.3	12.0	9	9	-	-	817200	807820	-	-	-	-
						1.0	0.1	88	26.3		8.2		29.3		89.4		6.1		7.4		9		-				-		-	
					Middle	4.3	0.3	98	26.3	26.3	8.2	8.2	29.4	29.4	89.0	89.0	6.1		12.4		9		-				-		-	
						4.3	0.3	103	26.3		8.2		29.4		89.0		6.1		12.6		9		-				-		-	
					Bottom	7.5	0.3	85	26.4	26.4	8.2	8.2	29.4	29.4	88.9	89.0	6.1	6.1	16.0		10		-				-		-	
						7.5	0.4	87	26.4		8.2		29.4		89.0		6.1		16.0		10		-				-		-	
SR5A	Cloudy	Calm	08:59	5.2	Surface	1.0	0.1	231	26.5	26.5	8.2	8.2	29.5	29.5	86.6	86.6	5.9	5.9	4.6	4.9	10	11	-	-	816612	810689	-	-	-	-
						1.0	0.2	245	26.5		8.2		29.5		86.6		5.9		4.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	257	26.6	26.6	8.2	8.2	29.6	29.6	86.2	86.2	5.9	5.9	5.1		12		-				-		-	
						4.2	0.2	257	26.6		8.2		29.6		86.2		5.9		5.1		12		-				-		-	
SR6	Cloudy	Calm	08:28	4.5	Surface	1.0	0.2	220	26.7	26.7	8.1	8.1	30.2	30.2	82.9	82.9	5.6	5.6	7.8	8.7	9	11	-	-	817898	814674	-	-	-	-
						1.0	0.2	225	26.7		8.1		30.2		82.9		5.6		7.9		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	229	26.7	26.7	8.1	8.1	30.2	30.2	82.8	82.8	5.6	5.6	9.5		11		-				-		-	
						3.5	0.1	236	26.7		8.1		30.2		82.8		5.6		9.6		12		-				-		-	
SR7	Cloudy	Moderate	09:01	15.2	Surface	1.0	0.1	313	26.7	26.7	8.1	8.1	30.2	30.2	83.0	83.0	5.6	5.6	8.5	9.5	10	13	-	-	823628	823758	-	-	-	-
						1.0	0.1	317	26.7		8.1		30.2		83.0		5.6		8.6		10		-				-		-	
					Middle	7.6	0.1	75	26.8	26.8	8.1	8.1	30.3	30.3	82.7	82.7	5.6		9.5		12		-				-		-	
						7.6	0.1	76	26.8		8.1		30.3		82.7		5.6		9.6		13		-				-		-	
					Bottom	14.2	0.2	62	26.8	26.8	8.1	8.1	30.4	30.4	82.7	82.7	5.6	5.6	10.2		15		-				-		-	
						14.2	0.2	63	26.8		8.1		30.4		82.7		5.6		10.3		16		-				-		-	
SR8	Cloudy	Moderate	10:07	4.3	Surface	1.0	-	-	26.4	26.4	8.2	8.2	29.4	29.4	87.8	87.8	6.0	6.0	9.8	12.4	13	15	-	-	820521	811636	-	-	-	-
						1.0	-	-	26.4		8.2		29.4		87.8		6.0		9.9		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	26.4	26.4	8.2	8.2	29.4	29.4	88.3	88.4	6.0	6.0	14.8		17		-				-		-	
						3.3	-	-	26.4		8.2		29.4		88.4		6.0		14.9		16		-				-		-	

DA: *Depth-Averaged*
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 16 October 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	04:49	8.0	Surface	1.0	0.1	117	26.4	26.4	8.1	8.1	25.7	25.7	92.9	92.9	6.5	6.5	4.4	8.0	6	6	81	86	815631	804228	<0.2	<0.2	2.1	2.1
						1.0	0.1	117	26.4		8.1		25.7		92.9		6.5		4.4		7		82				<0.2		2.1	
					Middle	4.0	0.2	141	26.4	26.4	8.1	8.1	25.9	25.9	91.3	91.3	6.4		6.0		6		86				<0.2		2.1	
						4.0	0.2	142	26.4		8.1		25.9		91.3		6.4		6.0		7		87				<0.2		2.1	
					Bottom	7.0	0.3	155	26.5	26.5	8.2	8.2	29.7	29.7	87.1	87.2	5.9	5.9	13.7		6		90				<0.2		2.0	
						7.0	0.3	156	26.5		8.2		29.7		87.3		5.9		13.6		6		91				<0.2		2.0	
C2	Rainy	Moderate	06:02	11.4	Surface	1.0	0.2	153	26.6	26.6	8.0	8.0	26.2	26.2	88.1	88.0	6.1	6.0	7.1	7.4	3	4	82	87	825706	806943	<0.2	<0.2	3.1	3.1
						1.0	0.2	130	26.6		8.0		26.2		87.8		6.1		7.1		4		83				<0.2		3.1	
					Middle	5.7	0.3	124	26.6	26.6	8.1	8.1	26.8	26.8	85.5	85.5	5.9		7.3		3		86				<0.2		3.0	
						5.7	0.3	133	26.6		8.1		26.8		85.4		5.9		7.4		4		86				<0.2		3.0	
					Bottom	10.4	0.3	175	26.6	26.6	8.1	8.1	29.2	29.2	85.5	86.0	5.8	5.9	7.6		5		92				<0.2		3.0	
						10.4	0.3	177	26.6		8.1		29.1		86.5		5.9		7.7		4		92				<0.2		3.1	
C3	Rainy	Moderate	04:08	11.4	Surface	1.0	0.1	67	26.5	26.5	8.1	8.1	28.6	28.6	88.1	88.1	6.0	6.0	6.3	7.3	5	6	80	86	822114	817804	<0.2	<0.2	3.0	3.1
						1.0	0.1	72	26.5		8.1		28.6		88.0		6.0		6.4		5		83				<0.2		3.2	
					Middle	5.7	0.1	83	26.5	26.5	8.1	8.1	28.6	28.6	87.7	87.6	6.0		7.1		6		85				<0.2		3.0	
						5.7	0.1	84	26.5		8.1		28.7		87.5		6.0		7.2		6		86				<0.2		3.1	
					Bottom	10.4	0.1	83	26.5	26.5	8.1	8.0	29.1	29.0	86.8	87.3	5.9	6.0	8.4		7		90				<0.2		3.1	
						10.4	0.1	83	26.5		8.0		28.8		87.8		6.0		8.5		8		90				<0.2		2.9	
IM1	Cloudy	Moderate	04:29	5.4	Surface	1.0	0.1	163	26.4	26.4	8.2	8.2	26.7	26.7	92.7	92.7	6.4	6.4	4.0	5.0	3	4	87	89	817939	807123	<0.2	<0.2	2.6	2.6
						1.0	0.1	167	26.4		8.2		26.7		92.6		6.4		4.1		3		87				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	152	26.5	26.5	8.2	8.2	27.8	27.8	91.0	91.0	6.3	6.3	6.0		4		90				<0.2		2.5	
						4.4	0.2	152	26.5		8.2		27.8		91.0		6.3		6.0		5		90				<0.2		2.5	
IM2	Cloudy	Moderate	04:22	6.8	Surface	1.0	0.2	172	26.4	26.4	8.2	8.2	26.8	26.8	92.6	92.6	6.4	6.4	5.9	8.4	6	8	83	87	818148	806163	<0.2	<0.2	1.8	1.9
						1.0	0.2	182	26.4		8.2		26.8		92.6		6.4		6.0		6		84				<0.2		1.8	
					Middle	3.4	0.2	207	26.4	26.4	8.2	8.2	27.4	27.4	92.7	92.7	6.4		8.1		8		87				<0.2		2.0	
						3.4	0.2	221	26.4		8.2		27.4		92.7		6.4		8.2		7		88				<0.2		1.7	
					Bottom	5.8	0.1	198	26.5	26.5	8.2	8.2	27.7	27.7	92.6	92.7	6.4	6.4	11.0		10		90				<0.2		2.1	
						5.8	0.1	199	26.5		8.2		27.7		92.7		6.4		10.9		9		91				<0.2		2.0	
IM3	Cloudy	Rough	04:15	7.0	Surface	1.0	0.2	181	26.4	26.4	8.1	8.1	25.6	25.6	91.9	91.9	6.4	6.4	7.7	8.2	6	8	83	89	818760	805604	<0.2	<0.2	2.8	2.9
						1.0	0.2	186	26.4		8.1		25.6		91.9		6.4		7.7		7		84				<0.2		3.0	
					Middle	3.5	0.1	166	26.4	26.4	8.2	8.2	26.6	26.6	91.8	91.8	6.4		8.4		7		88				<0.2		2.9	
						3.5	0.1	162	26.4		8.2		26.6		91.8		6.4		8.4		8		89				<0.2		2.9	
					Bottom	6.0	0.1	202	26.5	26.5	8.2	8.2	27.8	27.7	91.8	91.8	6.3	6.3	8.5		10		93				<0.2		2.9	
						6.0	0.1	203	26.5		8.2		27.7		91.8		6.3		8.5		10		94				<0.2		3.0	
IM4	Cloudy	Rough	04:05	7.1	Surface	1.0	0.3	220	26.4	26.4	8.1	8.1	26.7	26.7	92.0	92.0	6.4	6.4	5.2	7.4	5	7	86	91	819733	804634	<0.2	<0.2	3.2	3.1
						1.0	0.4	247	26.4		8.1		26.7		92.0		6.4		5.2		6		86				<0.2		3.2	
					Middle	3.6	0.2	217	26.4	26.4	8.1	8.1	26.8	26.8	91.1	91.1	6.3		7.0		7		90				<0.2		3.0	
						3.6	0.2	219	26.4		8.1		26.8		91.0		6.3		7.0		6		90				<0.2		3.1	
					Bottom	6.1	0.2	245	26.4	26.4	8.1	8.1	27.1	27.1	90.7	90.7	6.3	6.3	10.1		8		95				<0.2		3.2	
						6.1	0.2	217	26.4		8.1		27.1		90.7		6.3		10.1		8		96				<0.2		3.1	
IM5	Cloudy	Rough	03:57	6.4	Surface	1.0	0.4	243	26.5	26.5	8.1	8.1	24.5	24.5	88.8	88.8	6.2	6.2	9.6	9.6	9	11	85	87	820725	804864	<0.2	<0.2	3.3	3.3
						1.0	0.4	253	26.5		8.1		24.5		88.8		6.2		9.6		10		85				<0.2		3.2	
					Middle	3.2	0.4	238	26.5	26.5	8.1	8.1	25.7	25.7	88.8	88.9	6.2		9.9		10		86				<0.2		3.2	
						3.2	0.4	260	26.5		8.1		25.7		88.9		6.2		10.0		11		86				<0.2		3.3	
					Bottom	5.4	0.1	197	26.5	26.5	8.1	8.1	26.1	26.1	89.8	89.9	6.2	6.2	9.3		13		89				<0.2		3.3	
						5.4	0.1	197	26.5		8.1		26.1		89.9		6.2		9.3		13		89				<0.2		3.2	
IM6	Cloudy	Rough	03:50	6.1	Surface	1.0	0.5	234	26.5	26.5	8.0	8.0	24.0	24.0	87.4	87.4	6.1	6.1	5.9	8.2	6	8	84	88	821045	805849	<0.2	<0.2	2.7	2.6
						1.0	0.5	244	26.5		8.0		24.0		87.4		6.1		5.9		7		84				<0.2		2.6	
					Middle	3.1	0.3	244	26.5	26.5	8.0	8.0	24.1	24.1	87.5	87.5	6.1		9.0		8		87				<0.2		2.8	
						3.1	0.3	252	26.5		8.0		24.1		87.5		6.1		9.0		7		88				<0.2		2.4	
					Bottom	5.1	0.3	229	26.5	26.5	8.0	8.0	24.2	24.2	87.6	87.7	6.2	6.2	9.7		10		90				<0.2		2.4	
						5.1	0.3	233	26.5		8.0		24.2		87.7		6.2		9.7		9		92				<0.2		2.5	
IM7	Cloudy	Rough	03:43	7.2	Surface	1.0	0.5	216	26.6	26.6	8.0	8.0	23.0	23.0	86.1	86.1	6.1	6.1	5.0	7.4	4	5	82	87	821370	806819	<0.2	<0.2	3.5	3.3
						1.0	0.5	232	26.6		8.0		23.0		86.0		6.1		5.1		5		84				<0.2		3.3	
					Middle	3.6	0.5	226	26.6	26.6	8.0	8.0	23.0	23.0	86.2	86.2	6.1		6.5		5		87				<0.2		3.4	
						3.6	0.5	234	26.6		8.0		23.0		86.2		6.1		6.6		5		88				<0.2		3.1	
					Bottom	6.2	0.4	231	26.6	26.6	8.0	8.0	23.5	23.5	86.5	86.5	6.1	6.1	10.7		6		91				<0.2		3.2	
						6.2	0.4	234	26.6		8.0		23.5		86.5		6.1		10.7		6		92				<0.2		3.2	
IM8	Rainy	Moderate	05:21	7.7	Surface	1.0	0.1	127	26.6	26.6	8.0	8.0	26.0	26.0	88.0	88.0	6.1	6.0	6.1	7.1	3	3	82	86	821839	808163	<0.2	<0.2	3.0	3.0
						1.0	0.1	129	26.6		8.0		26.0		88.0		6.1		6.3		3		82				<0.2		3.0	
					Middle	3.9	0.3	122	26.6	26.6	8.1	8.1	26.8	26.8	85.2	85.2	5.9		7.4		3		88				<0.2		3.1	
						3.9	0.3	154	26.6		8.1		26.8		85.1		5.9		7.5		3		88				<0.2		3.0	
					Bottom	6.7	0.1	172	26.6	26.6	8.1	8.1	29.6	29.6	83.0	84.4	5.6	5.7	7.6		4		89				<0.2		3.0	
						6.7	0.1	183	26.6		8.1		29.6		85.7		5.8		7.7		4		89				<0.2		3.0	

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 16 October 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	Moderate	05:08	6.9	Surface	1.0	0.0	149	26.6	26.6	8.1	8.1	26.5	26.6	88.9	88.9	6.2	6.1	8.6	9.4	4	6	81	87	822084	808796	<0.2	<0.2	3.0	3.1
						1.0	0.0	157	26.6		8.1		26.6		88.8		6.1		8.7		4		82				<0.2		3.1	
					Middle	3.5	0.1	142	26.6	26.6	8.1	8.1	26.8	26.8	88.6	88.7	6.1		9.3		6		87				<0.2		3.1	
						3.5	0.2	115	26.6		8.1		26.8		88.7		6.1		9.6		6		88				<0.2		3.0	
					Bottom	5.9	0.2	129	26.6	26.6	8.1	8.1	27.3	27.3	88.1	88.2	6.1	6.1	10.1		9		90				<0.2		3.0	
						5.9	0.2	131	26.6		8.1		27.3		88.2		6.1		10.3		8		92				<0.2		3.1	
IM10	Rainy	Moderate	04:54	7.2	Surface	1.0	0.1	77	26.6	26.6	8.0	8.0	26.5	26.5	89.0	89.2	6.2	6.2	8.5	9.7	4	6	83	87	822395	809796	<0.2	<0.2	3.1	3.1
						1.0	0.1	79	26.6		8.0		26.6		89.4		6.2		8.7		4		84				<0.2		3.1	
					Middle	3.6	0.0	114	26.6	26.6	8.1	8.1	27.1	27.1	90.1	90.2	6.2		9.5		5		86				<0.2		3.1	
						3.6	0.0	114	26.6		8.1		27.1		90.2		6.2		9.7		5		87				<0.2		3.2	
					Bottom	6.2	0.0	105	26.6	26.6	8.1	8.1	27.5	27.4	89.7	89.2	6.2	6.2	10.5		8		91				<0.2		3.1	
						6.2	0.0	128	26.6		8.1		27.4		88.7		6.1		11.5		8		92				<0.2		3.0	
IM11	Rainy	Moderate	04:44	7.9	Surface	1.0	0.1	138	26.6	26.6	8.1	8.1	26.7	26.7	89.2	89.1	6.2	6.2	8.1	11.5	2	4	81	85	822035	811443	<0.2	<0.2	3.1	3.1
						1.0	0.1	147	26.6		8.1		26.7		88.9		6.1		8.7		3		82				<0.2		3.2	
					Middle	4.0	0.1	118	26.6	26.6	8.1	8.1	26.8	26.8	89.3	89.4	6.2		12.5		3		85				<0.2		3.1	
						4.0	0.1	129	26.6		8.1		26.8		89.4		6.2		12.5		4		86				<0.2		3.0	
					Bottom	6.9	0.0	152	26.6	26.6	8.1	8.1	27.7	27.6	88.8	88.9	6.1	6.1	13.5		4		89				<0.2		3.1	
						6.9	0.0	173	26.6		8.1		27.5		89.0		6.1		13.6		5		89				<0.2		3.2	
IM12	Rainy	Moderate	04:36	8.2	Surface	1.0	0.1	121	26.6	26.6	8.1	8.1	26.8	26.8	89.4	90.3	6.2	6.3	7.4	12.1	5	6	81	86	821448	812054	<0.2	<0.2	3.0	3.1
						1.0	0.1	130	26.6		8.1		26.8		91.1		6.3		7.4		4		82				<0.2		3.1	
					Middle	4.1	0.0	115	26.6	26.6	8.1	8.1	27.0	27.0	90.8	90.8	6.3		7.7		5		86				<0.2		3.2	
						4.1	0.0	115	26.6		8.1		27.0		90.7		6.3		7.7		6		85				<0.2		3.0	
					Bottom	7.2	0.1	136	26.6	26.6	8.1	8.1	27.8	27.8	90.1	90.0	6.2	6.2	21.2		6		90				<0.2		3.0	
						7.2	0.1	109	26.6		8.1		27.8		89.8		6.2		21.4		7		91				<0.2		3.1	
SR2	Rainy	Moderate	04:16	4.5	Surface	1.0	0.4	88	26.5	26.5	8.1	8.1	27.5	27.5	87.6	87.2	6.0	6.0	7.7	7.8	7	8	82	86	821476	814144	<0.2	<0.2	3.1	3.1
						1.0	0.4	90	26.5		8.1		27.5		86.8		6.0		7.8		7		83				<0.2		3.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	109	26.4	26.4	8.0	8.0	27.6	27.6	82.2	81.4	5.7	5.7	7.9		9		90				<0.2		3.2	
						3.5	0.2	118	26.4		8.0		27.6		80.5		5.6		7.9		10		90				<0.2		3.1	
SR3	Rainy	Moderate	05:40	8.5	Surface	1.0	0.1	129	26.6	26.6	8.1	8.1	26.0	26.0	88.0	88.1	6.1	6.0	5.2	6.6	3	5	-	-	822126	807592	-	-	-	-
						1.0	0.1	131	26.6		8.1		26.0		88.1		6.1		5.9		4		-				-		-	
					Middle	4.3	0.2	122	26.6	26.6	8.1	8.1	26.6	26.6	84.1	83.7	5.8		6.7		5		-				-		-	
						4.3	0.3	153	26.6		8.1		26.6		83.3		5.8		6.9		5		-				-		-	
					Bottom	7.5	0.2	187	26.6	26.6	8.1	8.1	29.7	29.7	84.1	85.4	5.7	5.8	7.4		6		-				-		-	
						7.5	0.2	202	26.6		8.1		29.7		86.6		5.9		7.6		7		-				-		-	
SR4A	Cloudy	Moderate	05:09	9.6	Surface	1.0	0.3	146	26.6	26.6	8.2	8.2	28.7	28.7	90.5	90.5	6.2	6.2	6.1	7.1	7	8	-	-	817189	807792	-	-	-	-
						1.0	0.3	167	26.6		8.2		28.7		90.5		6.2		6.0		7		-				-		-	
					Middle	4.8	0.3	146	26.6	26.6	8.2	8.2	28.7	28.7	90.1	90.1	6.2		6.6		7		-				-		-	
						4.8	0.3	153	26.6		8.2		28.7		90.1		6.2		6.5		8		-				-		-	
					Bottom	8.6	0.2	149	26.6	26.6	8.2	8.2	28.7	28.7	89.9	89.9	6.2	6.2	8.7		8		-				-		-	
						8.6	0.2	173	26.6		8.2		28.7		89.9		6.2		8.7		9		-				-		-	
SR5A	Cloudy	Moderate	05:26	4.7	Surface	1.0	0.1	106	26.5	26.5	8.2	8.2	28.8	28.8	91.0	91.0	6.2	6.2	6.4	9.9	6	6	-	-	816590	810712	-	-	-	-
						1.0	0.1	119	26.5		8.2		28.8		91.0		6.2		6.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	106	26.5	26.5	8.2	8.2	28.9	28.9	91.0	91.1	6.2	6.2	13.4		6		-				-		-	
						3.7	0.1	112	26.5		8.2		28.9		91.1		6.2		13.3		6		-				-		-	
SR6	Cloudy	Moderate	06:02	4.5	Surface	1.0	0.1	141	26.3	26.3	8.2	8.2	28.4	28.4	90.4	90.4	6.2	6.2	6.7	7.2	7	10	-	-	817913	814638	-	-	-	-
						1.0	0.1	155	26.3		8.2		28.5		90.4		6.2		6.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	165	26.4	26.4	8.2	8.2	29.1	29.1	91.4	91.4	6.3	6.3	7.6		12		-				-		-	
						3.5	0.1	190	26.4		8.2		29.1		91.4		6.3		7.6		12		-				-		-	
SR7	Rainy	Moderate	03:40	16.3	Surface	1.0	0.7	90	26.5	26.5	8.0	8.0	28.6	28.6	88.2	88.1	6.0	6.0	5.0	6.7	4	4	-	-	823653	823736	-	-	-	-
						1.0	0.8	83	26.5		8.0		28.6		88.0		6.0		5.4		3		-				-		-	
					Middle	8.2	0.6	99	26.5	26.5	8.0	8.0	28.7	28.7	87.3	87.4	6.0		6.1		4		-				-		-	
						8.2	0.7	106	26.5		8.0		28.7		87.4		6.0		6.1		4		-				-		-	
					Bottom	15.3	0.2	130	26.5	26.5	8.0	8.0	29.2	29.2	84.9	85.1	5.8	5.8	8.7		5		-				-		-	
						15.3	0.2	136	26.5		8.0		29.2		85.3		5.8		8.8		5		-				-		-	
SR8	Rainy	Moderate	04:27	4.2	Surface	1.0	-	-	26.5	26.5	8.1	8.1	27.3	27.3	88.8	88.3	6.1	6.1	8.6	11.5	4	6	-	-	820493	811688	-	-	-	-
						1.0	-	-	26.5		8.1		27.3		87.7		6.1		9.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	26.4	26.4	8.0	8.0	27.4	27.4	83.6	83.4	5.8	5.8	13.7		8		-				-		-	
						3.2	-	-	26.4		8.0		27.4		83.2		5.8		13.9		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 16 October 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	17:12	8.6	Surface	1.0	0.0	85	26.3	26.3	8.1	8.1	25.8	25.8	93.3	93.3	6.5	6.3	2.7	5.9	5	6	81	86	815638	804255	<0.2	<0.2	1.8	1.8
						1.0	0.0	88	26.3		8.1		25.8		93.3		6.5		2.7		5		82				<0.2		1.9	
					Middle	4.3	0.1	82	26.5	26.5	8.2	8.2	30.2	30.2	89.9	89.9	6.1		5.7		6		87				<0.2		1.7	
						4.3	0.1	82	26.5		8.2		30.2		89.9		6.1		5.7		4		88				<0.2		1.8	
					Bottom	7.6	0.1	67	26.5	26.5	8.2	8.2	31.0	31.0	89.3	89.3	6.0	6.0	9.2		6		90				<0.2		1.7	
						7.6	0.1	70	26.5		8.2		31.0		89.3		6.0		9.2		7		90				<0.2		1.7	
C2	Cloudy	Moderate	16:04	11.7	Surface	1.0	0.1	136	26.7	26.7	8.0	8.0	22.3	22.3	86.4	86.4	6.1	6.0	7.5	9.6	5	5	82	87	825681	806951	<0.2	<0.2	3.2	3.2
						1.0	0.1	144	26.7		8.0		22.3		86.4		6.1		7.5		4		82				<0.2		3.2	
					Middle	5.9	0.1	333	26.6	26.6	8.0	8.0	26.6	26.6	84.7	84.7	5.9		9.4		5		86				<0.2		3.1	
						5.9	0.1	345	26.6		8.0		26.6		84.7		5.9		9.4		5		87				<0.2		3.2	
					Bottom	10.7	0.1	307	26.7	26.7	8.0	8.0	29.0	28.9	84.1	84.3	5.7	5.8	12.0		6		92				<0.2		3.2	
						10.7	0.1	323	26.7		8.0		28.9		84.5		5.8		11.5		7		92				<0.2		3.2	
C3	Fine	Moderate	17:44	9.8	Surface	1.0	0.0	207	26.6	26.6	8.1	8.1	29.0	29.0	88.7	88.7	6.1	6.0	6.0	6.4	4	5	82	87	822099	817793	<0.2	<0.2	3.2	3.1
						1.0	0.0	223	26.6		8.1		29.0		88.7		6.1		6.0		4		84				<0.2		3.2	
					Middle	4.9	0.1	249	26.6	26.6	8.1	8.1	29.6	29.6	86.7	86.5	5.9		6.3		5		87				<0.2		3.1	
						4.9	0.1	249	26.6		8.1		29.6		86.3		5.9		6.2		5		88				<0.2		3.1	
					Bottom	8.8	0.1	238	26.6	26.6	8.1	8.1	30.3	30.3	84.2	84.3	5.7	5.7	6.7		5		90				<0.2		3.0	
						8.8	0.1	247	26.6		8.1		30.3		84.4		5.7		6.9		6		90				<0.2		3.2	
IM1	Rainy	Moderate	16:53	5.1	Surface	1.0	0.1	94	26.3	26.3	8.2	8.2	25.3	25.3	96.3	96.3	6.7	6.8	4.3	4.8	6	7	83	85	817961	807117	<0.2	<0.2	1.8	1.8
						1.0	0.1	98	26.3		8.2		25.3		96.3		6.8		4.3		7		84				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	139	26.3	26.3	8.2	8.2	25.5	25.5	96.5	96.6	6.7	6.8	5.2		8		85				<0.2		1.8	
						4.1	0.1	145	26.3		8.2		25.5		96.6		6.8		5.2		8		86				<0.2		1.9	
IM2	Rainy	Moderate	16:45	7.3	Surface	1.0	0.2	90	26.4	26.4	8.2	8.2	25.8	25.8	94.5	94.5	6.6	6.6	3.3	6.7	6	7	82	87	818174	806153	<0.2	<0.2	1.8	1.8
						1.0	0.2	91	26.4		8.2		25.8		94.5		6.6		3.3		5		83				<0.2		1.9	
					Middle	3.7	0.1	0	26.4	26.4	8.1	8.1	26.0	26.0	92.9	92.9	6.5		5.9		6		87				<0.2		1.8	
						3.7	0.2	0	26.4		8.1		26.0		92.8		6.5		6.0		7		87				<0.2		1.8	
					Bottom	6.3	0.1	80	26.5	26.5	8.1	8.1	27.7	27.7	88.8	88.8	6.1	6.1	10.8		8		90				<0.2		1.8	
						6.3	0.2	83	26.5		8.1		27.7		88.8		6.1		10.7		8		91				<0.2		1.8	
IM3	Rainy	Moderate	16:39	7.5	Surface	1.0	0.1	77	26.4	26.4	8.1	8.1	26.1	26.1	93.5	93.5	6.5	6.5	2.8	5.5	6	7	82	87	818793	805577	<0.2	<0.2	1.8	1.8
						1.0	0.1	80	26.4		8.1		26.1		93.5		6.5		2.8		6		82				<0.2		1.8	
					Middle	3.8	0.1	91	26.5	26.5	8.1	8.1	26.3	26.3	92.1	92.1	6.4		3.6		7		86				<0.2		1.8	
						3.8	0.1	99	26.5		8.1		26.3		92.1		6.4		3.6		6		86				<0.2		1.8	
					Bottom	6.5	0.1	60	26.5	26.5	8.1	8.1	27.8	27.8	88.9	89.0	6.1	6.1	10.1		8		91				<0.2		1.8	
						6.5	0.1	65	26.5		8.1		27.8		89.0		6.1		10.0		8		92				<0.2		1.7	
IM4	Rainy	Moderate	16:30	7.6	Surface	1.0	0.2	52	26.4	26.4	8.1	8.1	26.5	26.5	92.0	92.0	6.4	6.3	3.5	7.5	6	8	81	86	819747	804603	<0.2	<0.2	1.7	1.7
						1.0	0.2	53	26.4		8.1		26.5		92.0		6.4		3.6		6		82				<0.2		1.6	
					Middle	3.8	0.1	355	26.5	26.5	8.1	8.1	26.9	26.9	88.8	88.8	6.1		6.7		7		86				<0.2		1.7	
						3.8	0.1	327	26.5		8.1		26.9		88.8		6.1		6.9		8		86				<0.2		1.8	
					Bottom	6.6	0.1	342	26.5	26.5	8.1	8.1	28.1	28.1	87.4	87.4	6.0	6.0	12.1		10		91				<0.2		1.7	
						6.6	0.2	315	26.5		8.1		28.1		87.4		6.0		12.1		10		91				<0.2		1.7	
IM5	Rainy	Moderate	16:22	6.9	Surface	1.0	0.1	340	26.4	26.4	8.2	8.2	26.4	26.4	94.5	94.5	6.6	6.6	4.8	6.2	7	8	83	86	820739	804881	<0.2	<0.2	1.6	1.7
						1.0	0.1	340	26.4		8.2		26.4		94.5		6.6		4.8		7		84				<0.2		1.7	
					Middle	3.5	0.2	8	26.5	26.5	8.2	8.2	26.5	26.5	93.8	93.8	6.5		5.9		8		87				<0.2		1.7	
						3.5	0.2	8	26.5		8.2		26.5		93.8		6.5		5.8		8		87				<0.2		1.7	
					Bottom	5.9	0.1	26	26.5	26.5	8.2	8.2	27.3	27.3	91.6	91.7	6.3	6.3	8.0		9		88				<0.2		1.7	
						5.9	0.2	26	26.5		8.2		27.3		91.7		6.3		8.1		8		88				<0.2		1.6	
IM6	Rainy	Moderate	16:14	7.0	Surface	1.0	0.0	139	26.6	26.6	8.0	8.0	22.0	22.0	90.4	90.5	6.4	6.5	3.4	8.2	6	8	81	86	821040	805824	<0.2	<0.2	2.9	2.7
						1.0	0.0	148	26.6		8.0		22.0		90.5		6.4		3.4		6		82				<0.2		3.0	
					Middle	3.5	0.1	39	26.5	26.5	8.1	8.1	26.0	26.0	93.0	93.0	6.5		8.4		8		87				<0.2		2.5	
						3.5	0.1	42	26.5		8.1		26.0		93.0		6.5		8.3		8		89				<0.2		2.4	
					Bottom	6.0	0.1	20	26.5	26.5	8.2	8.2	27.2	27.2	92.8	92.8	6.4	6.4	12.8		9		89				<0.2		2.7	
						6.0	0.1	21	26.5		8.2		27.2		92.8		6.4		12.8		9		90				<0.2		2.8	
IM7	Rainy	Moderate	16:05	8.5	Surface	1.0	0.1	263	26.6	26.6	8.0	8.0	23.0	23.0	94.5	94.5	6.6	6.6	3.4	8.2	4	5	86	91	821331	806843	<0.2	<0.2	3.2	3.1
						1.0	0.1	284	26.6		8.0		23.0		94.5		6.6		3.4		5		87				<0.2		3.1	
					Middle	4.3	0.1	76	26.5	26.5	8.1	8.1	23.0	23.0	93.8	93.8	6.5		8.4		4		91				<0.2		3.1	
						4.3	0.1	77	26.5		8.1		23.0		93.8		6.5		8.3		5		92				<0.2		3.2	
					Bottom	7.5	0.1	81	26.5	26.5	8.2	8.2	27.2	27.2	92.8	92.8	6.4	6.4	12.8		5		93				<0.2		3.1	
						7.5	0.1	85	26.5		8.2		27.2		92.8		6.4		12.8		6		95				<0.2		2.9	
IM8	Cloudy	Moderate	16:28	7.8	Surface	1.0	0.1	152	26.6	26.6	8.0	8.0	22.2	22.2	88.2	88.2	6.3	6.2	12.5	14.0	4	5	82	87	821851	808150	<0.2	<0.2	3.1	3.1
						1.0	0.1	163	26.6		8.0		22.2		88.1		6.2		12.6		5		83				<0.2		3.0	
					Middle	3.9	0.1	84	26.6	26.6	8.1	8.1	24.7	24.7	88.0	88.0	6.2		15.0		5		86				<0.2		3.1	
						3.9	0.1	89	26.6		8.1		24.7		88.0		6.2		15.0		6		87				<0.2		3.1	
					Bottom	6.8	0.1	106	26.6	26.6	8.0	8.0	26.4	26.4	85.0	85.1	5.9	5.9	14.5		6		92				<0.2		3.2	
						6.8	0.1	110	26.6		8.0		26.4		85.1		5.9		14.6		6		92				<0.2		3.2	

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 16 October 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	16:35	7.3	Surface	1.0	0.2	130	26.6	26.6	8.0	8.0	22.1	22.1	87.3	87.3	6.2	6.2	8.8	11.3	2	4	82	86	822106	808792	<0.2	<0.2	3.1	3.2
						1.0	0.2	142	26.6		8.0		22.1		87.2		6.2		8.9		2		83				<0.2		3.2	
					Middle	3.7	0.1	100	26.6	26.6	8.0	8.0	23.1	23.1	86.1	86.1	6.1		11.8		4		86				<0.2		3.2	
						3.7	0.1	103	26.6		8.0		23.1		86.0		6.1		11.9		4		87				<0.2		3.1	
					Bottom	6.3	0.1	96	26.6	26.6	8.0	8.0	25.5	25.5	86.0	86.1	6.0	6.0	13.1		7		89				<0.2		3.2	
						6.3	0.1	97	26.6		8.0		25.5		86.2		6.0		13.1		6		91				<0.2		3.1	
IM10	Cloudy	Moderate	16:42	8.5	Surface	1.0	0.2	106	26.6	26.6	8.0	8.0	22.1	22.1	90.1	90.1	6.4	6.4	9.4	11.4	3	4	80	86	822374	809818	<0.2	<0.2	3.1	3.1
						1.0	0.2	112	26.6		8.0		22.1		90.1		6.4		9.5		3		82				<0.2		3.1	
					Middle	4.3	0.1	14	26.6	26.6	8.1	8.1	24.8	24.8	91.5	91.5	6.4		11.8		3		88				<0.2		3.0	
						4.3	0.2	15	26.6		8.1		24.7		91.4		6.4		11.8		4		88				<0.2		3.1	
					Bottom	7.5	0.1	313	26.5	26.5	8.1	8.1	28.1	28.1	90.9	91.0	6.2	6.3	12.8		4		89				<0.2		3.2	
						7.5	0.1	333	26.5		8.1		28.1		91.1		6.3		12.8		5		89				<0.2		3.1	
IM11	Rainy	Moderate	16:52	8.3	Surface	1.0	0.2	105	26.6	26.6	8.1	8.1	23.4	23.4	89.9	89.9	6.3	6.2	8.3	9.2	3	4	82	87	822065	811488	<0.2	<0.2	3.0	3.1
						1.0	0.2	109	26.6		8.1		23.4		89.9		6.3		8.2		3		83				<0.2		3.1	
					Middle	4.2	0.1	326	26.5	26.5	8.1	8.1	27.5	27.4	87.7	87.4	6.0		8.7		4		86				<0.2		3.2	
						4.2	0.1	348	26.5		8.1		27.3		87.0		6.0		9.0		5		86				<0.2		3.1	
					Bottom	7.3	0.1	299	26.6	26.6	8.1	8.1	28.8	28.8	85.9	85.9	5.9	5.9	10.4		5		91				<0.2		3.1	
						7.3	0.1	307	26.6		8.1		28.8		85.8		5.9		10.3		6		91				<0.2		3.0	
IM12	Rainy	Moderate	16:59	9.0	Surface	1.0	0.1	99	26.5	26.5	8.1	8.1	25.1	25.1	88.8	88.7	6.2	6.1	9.1	9.5	5	6	82	87	821476	812023	<0.2	<0.2	3.2	3.2
						1.0	0.1	99	26.5		8.1		25.1		88.6		6.2		9.1		4		82				<0.2		3.3	
					Middle	4.5	0.1	230	26.4	26.4	8.1	8.1	28.6	28.6	87.0	87.0	6.0		9.5		5		86				<0.2		3.2	
						4.5	0.1	237	26.4		8.1		28.6		87.0		6.0		9.5		6		87				<0.2		3.0	
					Bottom	8.0	0.1	227	26.5	26.5	8.1	8.1	29.0	29.0	86.7	87.0	5.9	6.0	9.8		8		91				<0.2		3.2	
						8.0	0.1	237	26.5		8.1		29.0		87.2		6.0		9.8		8		92				<0.2		3.1	
SR2	Fine	Moderate	17:22	5.7	Surface	1.0	0.2	25	26.5	26.5	8.1	8.1	27.1	27.1	90.3	90.2	6.2	6.2	6.5	6.8	4	5	82	87	821459	814177	<0.2	<0.2	3.2	3.1
						1.0	0.2	26	26.5		8.1		27.1		90.1		6.2		6.7		4		83				<0.2		3.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.1	70	26.5	26.5	8.1	8.1	29.3	29.2	87.1	87.4	5.9	6.0	6.9		6		90				<0.2		3.0	
						4.7	0.1	72	26.5		8.1		29.1		87.7		6.0		7.0		7		91				<0.2		2.9	
SR3	Cloudy	Moderate	16:23	9.1	Surface	1.0	0.1	132	26.6	26.6	8.0	8.0	21.5	21.5	87.2	86.9	6.2	6.1	7.3	9.8	5	7	-	-	822161	807580	-	-	-	-
						1.0	0.1	140	26.6		8.0		21.6		86.6		6.2		8.0		5		-				-		-	
					Middle	4.6	0.1	83	26.6	26.6	8.0	8.0	26.0	26.0	85.1	84.8	5.9		9.6		6		-				-		-	
						4.6	0.1	86	26.6		8.0		26.1		84.5		5.9		10.5		7		-				-		-	
					Bottom	8.1	0.1	146	26.7	26.7	8.0	8.0	27.5	27.4	83.5	83.9	5.7	5.8	11.9		10		-				-		-	
						8.1	0.2	154	26.7		8.0		27.4		84.2		5.8		11.5		11		-				-		-	
SR4A	Cloudy	Moderate	17:32	8.2	Surface	1.0	0.2	50	26.3	26.3	8.1	8.1	25.4	25.4	93.8	93.8	6.6	6.5	5.9	10.8	6	8	-	-	817198	807810	-	-	-	-
						1.0	0.2	50	26.3		8.1		25.4		93.8		6.6		6.0		6		-				-		-	
					Middle	4.1	0.1	44	26.4	26.4	8.1	8.1	26.7	26.7	91.3	91.3	6.3		9.5		7		-				-		-	
						4.1	0.1	45	26.4		8.1		26.7		91.2		6.3		9.6		8		-				-		-	
					Bottom	7.2	0.0	103	26.6	26.6	8.1	8.1	28.7	28.7	88.1	88.1	6.0	6.0	17.1		10		-				-		-	
						7.2	0.0	111	26.6		8.1		28.7		88.1		6.0		16.7		10		-				-		-	
SR5A	Cloudy	Moderate	17:48	3.7	Surface	1.0	0.0	134	26.5	26.5	8.1	8.1	28.3	28.3	90.5	90.5	6.2	6.2	5.0	5.2	7	8	-	-	816613	810696	-	-	-	-
						1.0	0.0	140	26.5		8.1		28.3		90.4		6.2		4.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	67	26.5	26.5	8.1	8.1	28.6	28.6	90.9	90.9	6.2	6.2	5.4		10		-				-		-	
						2.7	0.0	70	26.5		8.1		28.6		90.9		6.2		5.4		10		-				-		-	
SR6	Cloudy	Moderate	18:13	4.6	Surface	1.0	0.0	238	26.3	26.3	8.2	8.2	27.8	27.8	93.0	93.0	6.4	6.4	2.1	3.8	6	7	-	-	817912	814660	-	-	-	-
						1.0	0.0	240	26.3		8.2		27.8		92.9		6.4		2.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	249	26.3	26.3	8.2	8.2	28.4	28.4	88.9	88.9	6.1	6.1	5.5		7		-				-		-	
						3.6	0.0	252	26.3		8.2		28.4		88.9		6.1		5.5		7		-				-		-	
SR7	Fine	Moderate	18:11	16.0	Surface	1.0	0.0	286	26.6	26.6	8.2	8.2	29.5	29.5	86.0	86.0	5.9	5.8	6.6	6.9	6	7	-	-	823607	823742	-	-	-	-
						1.0	0.0	286	26.6		8.2		29.5		86.0		5.9		6.6		5		-				-		-	
					Middle	8.0	0.4	313	26.7	26.7	8.1	8.1	30.9	30.9	85.3	85.2	5.8		6.8		7		-				-		-	
						8.0	0.4	337	26.7		8.1		30.9		85.1		5.7		6.8		6		-				-		-	
					Bottom	15.0	0.1	242	26.8	26.8	8.1	8.1	31.3	31.3	86.2	86.2	5.8	5.8	7.2		9		-				-		-	
						15.0	0.1	259	26.8		8.1		31.3		86.2		5.8		7.2		9		-				-		-	
SR8	Fine	Moderate	17:09	4.6	Surface	1.0	-	-	26.7	26.7	8.2	8.2	25.9	25.9	91.8	91.7	6.4	6.4	9.3	9.5	5	6	-	-	820482	811641	-	-	-	-
						1.0	-	-	26.7		8.2		25.9		91.6		6.4		9.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	26.5	26.5	8.1	8.1	27.1	27.1	90.6	90.6	6.3	6.3	9.7		6		-				-		-	
						3.6	-	-	26.5		8.1		27.1		90.5		6.2		9.7		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 October 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	Rainy	Rough	07:36	8.6	Surface	1.0	0.5	215	25.9	25.9	8.2	8.2	30.5	30.5	91.8	91.8	6.3	6.2	3.2	4.0	6	5	79	82	815604	804269	<0.2	<0.2	0.9	1.1
						1.0	0.5	216	25.9		8.2		30.5		91.8		6.3		3.2		6		80				<0.2		0.9	
					Middle	4.3	0.2	209	26.5	26.5	8.2	8.2	32.0	32.0	91.2	91.2	6.1		4.2		4		81				<0.2		1.0	
						4.3	0.2	224	26.5		8.2		32.0		91.2		6.1		4.2		4		82				<0.2		1.1	
					Bottom	7.6	0.1	219	26.6	26.6	8.2	8.2	32.5	32.5	91.9	92.0	6.2	6.2	4.6		4		85				<0.2		1.2	
						7.6	0.1	223	26.6		8.2		32.5		92.0		6.2		4.5		3		86				<0.2		1.2	
C2	Rainy	Moderate	09:14	11.3	Surface	1.0	0.5	170	26.1	26.1	8.1	8.1	27.7	27.7	85.2	85.2	5.9	5.7	6.6	7.7	3	4	81	84	825669	806917	<0.2	<0.2	1.2	1.2
						1.0	0.6	184	26.1		8.1		27.7		85.1		5.9		6.6		3		80				<0.2		1.2	
					Middle	5.7	0.3	165	26.7	26.7	8.1	8.1	30.7	30.7	81.5	81.5	5.5		7.6		4		84				<0.2		1.2	
						5.7	0.3	169	26.7		8.1		30.7		81.5		5.5		7.5		3		84				<0.2		1.2	
					Bottom	10.3	0.1	147	26.7	26.7	8.1	8.1	31.2	31.2	83.8	83.9	5.6	5.7	8.9		5		88				<0.2		1.2	
						10.3	0.1	154	26.7		8.1		31.2		84.0		5.7		8.9		6		88				<0.2		1.3	
C3	Rainy	Moderate	07:14	12.1	Surface	1.0	0.1	44	25.8	25.8	8.1	8.1	29.1	29.2	87.7	87.7	6.1	5.9	5.5	5.8	3	3	82	86	822111	817791	<0.2	<0.2	1.3	1.3
						1.0	0.2	45	25.8		8.1		29.2		87.6		6.1		5.5		3		81				<0.2		1.3	
					Middle	6.1	0.1	79	26.4	26.4	8.0	8.0	30.4	30.4	84.2	84.3	5.7		5.8		4		87				<0.2		1.3	
						6.1	0.1	86	26.4		8.0		30.4		84.3		5.7		5.8		3		86				<0.2		1.3	
					Bottom	11.1	0.2	71	26.5	26.5	8.0	8.0	31.1	31.1	83.6	83.7	5.6	5.6	5.9		3		91				<0.2		1.4	
						11.1	0.2	75	26.5		8.0		31.1		83.7		5.6		6.0		2		90				<0.2		1.4	
IM1	Rainy	Moderate	07:57	4.8	Surface	1.0	0.1	212	26.4	26.4	8.2	8.2	31.6	31.6	89.4	89.4	6.0	6.0	3.8	4.3	4	4	82	84	817923	807117	<0.2	<0.2	0.7	0.8
						1.0	0.1	226	26.4		8.2		31.6		89.4		6.0		3.8		4		82				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	204	26.5	26.5	8.2	8.2	32.0	32.0	91.6	91.9	6.2	6.2	4.8		4		85				<0.2		0.8	
						3.8	0.0	224	26.5		8.2		32.0		92.1		6.2		4.7		4		85				<0.2		0.8	
IM2	Rainy	Rough	08:05	6.9	Surface	1.0	0.2	194	26.1	26.1	8.2	8.2	29.7	29.7	90.7	90.7	6.2	6.2	3.3	4.7	5	5	80	85	818172	806182	<0.2	<0.2	1.3	1.2
						1.0	0.2	197	26.1		8.2		29.8		90.7		6.2		3.4		5		81				<0.2		1.2	
					Middle	3.5	0.1	179	26.6	26.6	8.2	8.2	32.1	32.1	91.2	91.3	6.1		5.2		4		85				<0.2		1.2	
						3.5	0.1	194	26.6		8.2		32.1		91.4		6.1		5.2		4		86				<0.2		1.2	
					Bottom	5.9	0.0	156	26.6	26.6	8.2	8.2	32.2	32.2	92.9	93.2	6.2	6.3	5.4		5		89				<0.2		1.2	
						5.9	0.0	156	26.6		8.2		32.2		93.4		6.3		5.5		5		90				<0.2		1.3	
IM3	Rainy	Rough	08:11	7.0	Surface	1.0	0.4	216	26.0	26.0	8.2	8.2	29.2	29.2	90.6	90.6	6.2	6.2	4.2	6.6	3	3	81	85	818782	805573	<0.2	<0.2	1.3	1.3
						1.0	0.4	231	26.0		8.2		29.2		90.6		6.2		4.2		4		81				<0.2		1.4	
					Middle	3.5	0.2	225	26.5	26.5	8.2	8.2	31.6	31.6	91.5	91.5	6.2		6.9		4		84				<0.2		1.3	
						3.5	0.2	239	26.5		8.2		31.6		91.5		6.2		7.0		4		86				<0.2		1.2	
					Bottom	6.0	0.1	179	26.6	26.6	8.2	8.2	32.2	32.2	93.6	93.7	6.3	6.3	8.5		2		89				<0.2		1.2	
						6.0	0.1	187	26.6		8.2		32.2		93.7		6.3		8.5		3		90				<0.2		1.2	
IM4	Rainy	Rough	08:19	6.9	Surface	1.0	0.5	220	25.9	25.9	8.2	8.2	28.7	28.7	91.3	91.3	6.3	6.3	4.7	9.3	3	4	74	80	819723	804585	<0.2	<0.2	1.3	1.3
						1.0	0.5	223	25.9		8.2		28.7		91.3		6.3		5.1		4		74				<0.2		1.2	
					Middle	3.5	0.5	214	26.1	26.1	8.2	8.2	29.9	29.5	92.0	92.0	6.3		8.4		4		80				<0.2		1.3	
						3.5	0.5	218	26.1		8.2		29.1		92.0		6.3		8.5		4		81				<0.2		1.3	
					Bottom	5.9	0.3	217	26.3	26.3	8.2	8.2	30.9	30.9	94.6	94.7	6.4	6.4	14.6		4		85				<0.2		1.4	
						5.9	0.3	221	26.3		8.2		30.9		94.7		6.4		14.5		3		86				<0.2		1.3	
IM5	Rainy	Moderate	08:28	6.5	Surface	1.0	0.4	207	26.1	26.1	8.2	8.2	29.0	29.0	90.6	90.6	6.2	6.2	3.1	4.3	3	4	78	82	820742	804875	<0.2	<0.2	1.2	1.2
						1.0	0.5	219	26.1		8.2		29.0		90.6		6.2		3.1		4		78				<0.2		1.2	
					Middle	3.3	0.4	210	26.3	26.3	8.2	8.2	30.4	30.5	91.2	91.3	6.2		4.3		4		81				<0.2		1.2	
						3.3	0.4	224	26.3		8.2		30.5		91.4		6.2		4.5		4		82				<0.2		1.2	
					Bottom	5.5	0.4	212	26.4	26.4	8.2	8.2	30.9	30.9	92.7	92.8	6.3	6.3	5.5		6		86				<0.2		1.2	
						5.5	0.4	223	26.4		8.2		30.9		92.8		6.3		5.4		5		87				<0.2		1.2	
IM6	Rainy	Moderate	08:35	6.4	Surface	1.0	0.4	220	26.1	26.1	8.2	8.2	29.2	29.2	89.8	89.8	6.2	6.2	3.1	6.7	3	4	81	85	821075	805809	<0.2	<0.2	1.2	1.2
						1.0	0.4	223	26.1		8.2		29.2		89.8		6.2		3.5		3		82				<0.2		1.1	
					Middle	3.2	0.3	217	26.4	26.4	8.2	8.2	30.7	30.6	90.8	91.0	6.2		7.6		3		85				<0.2		1.2	
						3.2	0.3	235	26.4		8.2		30.5		91.1		6.2		7.8		4		86				<0.2		1.1	
					Bottom	5.4	0.3	224	26.4	26.4	8.2	8.2	31.1	31.1	93.9	94.0	6.4	6.4	9.3		4		87				<0.2		1.1	
						5.4	0.3	236	26.4		8.2		31.1		94.0		6.4		9.0		5		87				<0.2		1.2	
IM7	Rainy	Moderate	08:44	7.8	Surface	1.0	0.4	211	26.0	26.0	8.1	8.1	28.7	28.7	89.8	89.8	6.2	6.3	1.4	2.5	4	4	80	85	821361	806814	<0.2	<0.2	1.3	1.3
						1.0	0.4	232	26.0		8.1		28.7		89.8		6.2		1.3		4		81				<0.2		1.3	
					Middle	3.9	0.4	223	26.2	26.2	8.2	8.2	28.8	28.8	91.2	91.4	6.3		2.8		5		86				<0.2		1.3	
						3.9	0.4	237	26.3		8.2		28.8		91.5		6.3		3.0		5		86				<0.2		1.2	
					Bottom	6.8	0.3	246	26.3	26.3	8.2	8.2	31.4	31.4	94.0	94.1	6.4	6.4	3.1		4		89				<0.2		1.3	
						6.8	0.3	260	26.3		8.2		31.4		94.1		6.4		3.1		4		90				<0.2		1.2	
IM8	Rainy	Moderate	08:44	7.3	Surface	1.0	0.3	207	26.1	26.1	8.1	8.1	28.8	28.8	88.6	88.7	6.1	6.1	5.9	7.0	4	3	82	86	821818	808135	<0.2	0.2	1.2	1.3
						1.0	0.3	210	26.1		8.1		28.8		88.7		6.1		5.8		4		82				<0.2		1.3	
					Middle	3.7	0.2	198	26.2	26.2	8.2	8.2	29.4	29.4	88.4	88.4	6.1		6.9		3		87				<0.2		1.3	
						3.7	0.2	204	26.2		8.2		29.4		88.4		6.1		6.9		3		86				<0.2		1.2	
					Bottom	6.3	0.1	232	26.4	26.4	8.2	8.2	29.8	29.8	89.0	89.1	6.1	6.1	8.3		3		90				0.2		1.3	
						6.3	0.1	236	26.4		8.2		29.8		89.1		6.1		8.3		2		90				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 October 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	Moderate	08:38	7.4	Surface	1.0	0.2	186	26.1	26.1	8.1	8.1	28.8	28.8	88.3	88.4	6.1	6.1	5.9	6.5	2	4	81	86	822084	808804	<0.2	<0.2	1.2	1.1
						1.0	0.2	187	26.1		8.1		28.8		88.4		6.1		5.9		3		82				<0.2		1.1	
					Middle	3.7	0.2	154	26.2	26.2	8.2	8.2	29.4	29.4	88.3	88.3	6.1		6.4		3		86				<0.2		1.1	
						3.7	0.2	164	26.2		8.2		29.4		88.2		6.0		6.5		3		86				<0.2		1.1	
					Bottom	6.4	0.0	1	26.5	26.5	8.2	8.2	30.3	30.3	88.3	88.4	6.0	6.0	7.2		5		90				<0.2		1.1	
						6.4	0.0	1	26.5		8.2		30.3		88.4		6.0		7.2		6		90				<0.2		1.1	
IM10	Rainy	Moderate	08:30	9.0	Surface	1.0	0.2	133	26.0	26.0	8.1	8.1	28.9	28.9	88.4	88.4	6.1	6.0	6.1	8.5	5	5	81	86	822371	809778	<0.2	<0.2	1.3	1.3
						1.0	0.2	137	26.0		8.1		28.9		88.3		6.1		6.1		5		82				<0.2		1.3	
					Middle	4.5	0.2	122	26.5	26.5	8.2	8.2	30.7	30.7	87.1	87.2	5.9		8.0		5		86				<0.2		1.3	
						4.5	0.3	129	26.5		8.2		30.7		87.2		5.9		8.0		4		86				<0.2		1.3	
					Bottom	8.0	0.2	119	26.5	26.5	8.2	8.2	30.8	30.8	87.7	87.7	5.9	5.9	11.3		5		90				<0.2		1.2	
						8.0	0.2	121	26.5		8.2		30.8		87.7		5.9		11.4		4		90				<0.2		1.2	
IM11	Rainy	Moderate	08:17	9.3	Surface	1.0	0.2	132	26.2	26.2	8.2	8.2	29.3	29.3	87.0	87.0	6.0	6.0	6.8	8.4	5	5	81	86	822031	811471	<0.2	<0.2	1.2	1.2
						1.0	0.2	134	26.2		8.2		29.3		86.9		6.0		6.8		5		81				<0.2		1.3	
					Middle	4.7	0.2	129	26.2	26.2	8.2	8.2	29.4	29.4	85.9	85.9	5.9		7.7		5		87				<0.2		1.3	
						4.7	0.3	137	26.2		8.2		29.4		85.8		5.9		7.7		6		86				<0.2		1.2	
					Bottom	8.3	0.1	112	26.5	26.5	8.2	8.2	30.6	30.6	85.7	85.8	5.8	5.8	10.8		4		90				<0.2		1.2	
						8.3	0.1	112	26.5		8.2		30.6		85.8		5.8		10.8		4		91				<0.2		1.2	
IM12	Rainy	Moderate	08:08	10.6	Surface	1.0	0.2	95	25.9	25.9	8.2	8.2	28.5	28.5	88.7	88.7	6.1	6.1	6.3	6.9	3	3	82	86	821454	812054	<0.2	<0.2	1.2	1.2
						1.0	0.3	100	25.9		8.2		28.5		88.7		6.1		6.3		2		81				<0.2		1.2	
					Middle	5.3	0.3	119	26.1	26.1	8.2	8.2	28.8	28.8	87.5	87.5	6.0		6.8		4		85				<0.2		1.2	
						5.3	0.3	121	26.1		8.2		28.8		87.4		6.0		6.8		3		87				<0.2		1.2	
					Bottom	9.6	0.1	98	26.3	26.3	8.2	8.2	29.7	29.7	87.9	87.9	6.0	6.0	7.6		4		90				<0.2		1.2	
						9.6	0.1	105	26.3		8.2		29.7		87.9		6.0		7.7		4		88				<0.2		1.2	
SR2	Rainy	Moderate	07:40	4.3	Surface	1.0	0.2	88	25.9	25.9	8.0	8.0	28.9	28.9	88.2	88.2	6.1	6.1	5.7	6.6	4	3	81	84	821469	814144	<0.2	<0.2	1.3	1.3
						1.0	0.2	94	25.9		8.0		28.9		88.1		6.1		5.7		4		82				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	87	26.4	26.4	8.0	8.0	29.8	29.8	83.6	83.6	5.7	5.7	7.4		2		85				<0.2		1.2	
						3.3	0.2	94	26.4		8.0		29.8		83.5		5.7		7.5		3		86				<0.2		1.3	
SR3	Rainy	Moderate	08:51	9.1	Surface	1.0	0.4	183	26.1	26.1	8.2	8.2	28.9	28.9	88.6	88.6	6.1	6.1	6.1	6.8	3	3	-	-	822166	807587	-	-	-	-
						1.0	0.4	189	26.1		8.2		28.9		88.5		6.1		6.1		3		-				-		-	
					Middle	4.6	0.3	200	26.3	26.3	8.2	8.2	29.9	29.9	88.2	88.2	6.0		6.9		3		-				-		-	
						4.6	0.3	215	26.3		8.2		29.9		88.1		6.0		6.9		3		-				-		-	
					Bottom	8.1	0.2	261	26.4	26.4	8.2	8.2	30.6	30.6	88.6	88.6	6.0	6.0	7.4		2		-				-		-	
						8.1	0.2	280	26.4		8.2		30.6		88.5		6.0		7.4		3		-				-		-	
SR4A	Rainy	Moderate	07:20	8.2	Surface	1.0	0.3	255	26.0	26.0	8.2	8.2	30.8	30.8	91.6	91.6	6.2	6.2	3.7	4.7	5	4	-	-	817202	807813	-	-	-	-
						1.0	0.3	264	26.0		8.2		30.8		91.6		6.3		3.7		6		-				-		-	
					Middle	4.1	0.3	250	26.5	26.5	8.2	8.2	32.0	32.1	90.9	90.9	6.1		4.8		4		-				-		-	
						4.1	0.3	250	26.5		8.2		32.1		90.9		6.1		4.9		4		-				-		-	
					Bottom	7.2	0.2	251	26.6	26.6	8.2	8.2	32.4	32.4	91.3	91.3	6.1	6.1	5.4		3		-				-		-	
						7.2	0.2	261	26.6		8.2		32.4		91.3		6.1		5.4		4		-				-		-	
SR5A	Rainy	Moderate	07:02	3.8	Surface	1.0	0.1	311	26.3	26.4	8.1	8.1	27.1	27.0	77.3	77.3	5.4	5.4	4.9	5.6	7	6	-	-	816616	810712	-	-	-	-
						1.0	0.1	339	26.4		8.1		26.9		77.2		5.3		5.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	317	26.5	26.5	8.0	8.0	29.9	30.0	78.2	78.4	5.3	5.4	6.0		6		-				-		-	
						2.8	0.1	345	26.4		8.0		30.0		78.6		5.4		6.0		6		-				-		-	
SR6	Rainy	Moderate	06:41	4.1	Surface	1.0	0.1	299	26.2	26.2	8.0	8.0	26.8	26.9	78.8	78.8	5.5	5.5	7.3	6.7	5	6	-	-	817918	814669	-	-	-	-
						1.0	0.1	301	26.2		8.1		26.9		78.7		5.5		8.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	321	26.5	26.5	8.0	8.0	29.9	29.9	80.6	81.6	5.5	5.6	5.7		5		-				-		-	
						3.1	0.0	333	26.5		8.0		29.9		82.6		5.6		5.6		6		-				-		-	
SR7	Rainy	Moderate	06:37	15.9	Surface	1.0	0.3	66	25.9	25.9	8.1	8.1	29.0	29.0	87.4	87.4	6.0	5.9	5.6	6.1	3	3	-	-	823640	823765	-	-	-	-
						1.0	0.3	69	25.9		8.1		29.0		87.3		6.0		5.6		3		-				-		-	
					Middle	8.0	0.1	329	26.6	26.6	8.1	8.1	31.9	31.9	85.2	85.2	5.7		6.2		3		-				-		-	
						8.0	0.1	337	26.6		8.1		31.9		85.2		5.7		6.1		2		-				-		-	
					Bottom	14.9	0.3	304	26.7	26.7	8.1	8.1	32.2	32.2	85.9	85.9	5.7	5.7	6.4		2		-				-		-	
						14.9	0.3	318	26.7		8.1		32.3		85.8		5.7		6.4		2		-				-		-	
SR8	Rainy	Moderate	07:58	4.8	Surface	1.0	-	-	25.8	25.8	8.2	8.2	27.7	27.7	91.9	91.9	6.4	6.4	7.1	7.1	4	4	-	-	820498	811661	-	-	-	-
						1.0	-	-	25.8		8.2		27.7		91.9		6.4		7.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	25.6	25.6	8.2	8.2	27.9	27.9	91.9	92.0	6.4	6.4	7.1		3		-				-		-	
						3.8	-	-	25.6		8.2		27.9		92.0		6.4		7.1		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: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 October 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	15:45	8.6	Surface	1.0	0.3	23	26.3	26.3	8.2	8.2	31.0	31.0	94.8	94.8	6.4	6.4	3.7	8.4	3	6	81	85	815594	804232	<0.2	<0.2	0.7	0.8
						1.0	0.3	25	26.3		8.2		31.0		94.8		6.4		3.8		4		81				<0.2		0.7	
					Middle	4.3	0.4	32	26.6	26.6	8.2	8.2	32.4	32.4	95.0	95.0	6.4		10.0		6		85				<0.2		0.7	
						4.3	0.4	32	26.6		8.2		32.4		95.0		6.4		10.0		7		85				<0.2		0.8	
					Bottom	7.6	0.4	30	26.6	26.6	8.2	8.2	32.5	32.5	97.0	97.1	6.5	6.5	11.5		7		88				<0.2		0.8	
						7.6	0.4	30	26.6		8.2		32.5		97.2		6.5		11.5		7		90				<0.2		0.8	
C2	Cloudy	Moderate	15:05	11.4	Surface	1.0	0.1	276	25.9	25.9	8.1	8.1	26.9	26.9	88.8	88.7	6.2	6.0	5.9	6.8	4	4	82	87	825674	806920	<0.2	<0.2	1.7	1.7
						1.0	0.1	280	25.9		8.1		26.9		88.6		6.2		5.8		3		82				<0.2		1.7	
					Middle	5.7	0.1	352	26.6	26.6	8.1	8.1	29.7	29.7	84.1	84.1	5.7		6.5		4		87				<0.2		1.7	
						5.7	0.2	324	26.6		8.1		29.7		84.0		5.7		6.5		3		87				<0.2		1.8	
					Bottom	10.4	0.1	300	26.6	26.6	8.1	8.1	30.5	30.5	84.7	84.7	5.7	5.7	7.9		3		92				<0.2		1.7	
						10.4	0.2	328	26.6		8.1		30.5		84.7		5.7		7.9		4		92				<0.2		1.7	
C3	Cloudy	Moderate	17:04	11.7	Surface	1.0	0.4	250	26.2	26.2	8.2	8.2	30.1	30.1	88.3	88.3	6.0	5.8	5.3	6.8	2	4	81	86	822124	817776	<0.2	<0.2	1.2	1.3
						1.0	0.4	270	26.2		8.2		30.1		88.2		6.0		5.3		<2		82				<0.2		1.2	
					Middle	5.9	0.3	258	26.6	26.6	8.2	8.2	31.7	31.7	83.3	83.2	5.6		7.0		4		86				<0.2		1.3	
						5.9	0.3	267	26.6		8.2		31.7		83.1		5.6		7.0		4		85				<0.2		1.3	
					Bottom	10.7	0.2	270	26.7	26.7	8.1	8.1	31.9	31.9	83.7	83.7	5.6	5.6	8.1		4		90				<0.2		1.2	
						10.7	0.2	294	26.7		8.1		31.9		83.7		5.6		8.1		5		89				<0.2		1.3	
IM1	Fine	Moderate	15:26	5.2	Surface	1.0	0.1	12	26.5	26.5	8.2	8.2	31.9	31.9	91.8	91.8	6.2	6.2	5.8	8.3	5	5	80	83	817956	807142	<0.2	<0.2	0.6	0.7
						1.0	0.1	12	26.5		8.2		31.9		91.8		6.2		5.9		6		81				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	3	26.5	26.5	8.2	8.2	31.9	31.9	94.4	94.5	6.3	6.4	10.6		5		85				<0.2		0.6	
						4.2	0.1	3	26.5		8.2		31.9		94.6		6.4		10.7		4		86				<0.2		0.7	
IM2	Cloudy	Moderate	15:19	8.6	Surface	1.0	0.1	333	26.3	26.3	8.2	8.2	30.9	30.9	92.4	92.5	6.3	6.3	7.2	7.5	8	7	81	86	818152	806172	<0.2	<0.2	0.7	0.8
						1.0	0.1	306	26.3		8.2		30.9		92.5		6.3		7.2		7		81				<0.2		0.8	
					Middle	4.3	0.1	332	26.5	26.5	8.2	8.2	30.9	30.9	93.7	93.8	6.3		7.8		7		86				<0.2		0.8	
						4.3	0.1	349	26.5		8.2		30.9		93.8		6.3		7.8		7		86				<0.2		0.8	
					Bottom	7.6	0.1	55	26.5	26.5	8.2	8.2	32.3	32.3	96.4	96.5	6.5	6.5	7.6		7		89				<0.2		0.8	
						7.6	0.1	57	26.5		8.2		32.3		96.6		6.5		7.6		8		90				<0.2		0.8	
IM3	Cloudy	Rough	15:13	7.2	Surface	1.0	0.3	-	26.3	26.3	8.2	8.2	30.6	30.6	91.9	92.0	6.2	6.3	3.2	8.2	3	2	85	89	818781	805591	<0.2	<0.2	0.8	0.8
						1.0	0.3	-	26.3		8.2		30.6		92.0		6.3		3.5		3		86				<0.2		0.9	
					Middle	3.6	0.2	32	26.6	26.5	8.2	8.2	32.3	32.3	93.2	93.3	6.2		7.8		2		89				<0.2		0.9	
						3.6	0.2	32	26.5		8.2		32.4		93.3		6.3		7.8		<2		91				<0.2		0.8	
					Bottom	6.2	0.3	39	26.6	26.6	8.2	8.2	32.4	32.4	95.1	95.1	6.4	6.4	13.4		2		92				<0.2		0.8	
						6.2	0.3	41	26.6		8.2		32.4		95.1		6.4		13.5		2		93				<0.2		0.8	
IM4	Cloudy	Rough	15:04	7.4	Surface	1.0	0.3	342	26.3	26.3	8.2	8.2	30.2	30.2	93.3	93.4	6.4	6.4	2.6	8.8	2	2	81	86	819710	804598	<0.2	<0.2	0.9	1.0
						1.0	0.3	350	26.3		8.2		30.2		93.4		6.4		2.7		<2		82				<0.2		0.9	
					Middle	3.7	0.4	28	26.4	26.4	8.2	8.2	31.3	31.3	94.4	94.4	6.4		7.7		<2		86				<0.2		1.0	
						3.7	0.4	28	26.4		8.2		31.3		94.4		6.4		7.9		<2		87				<0.2		0.9	
					Bottom	6.4	0.3	22	26.6	26.6	8.2	8.2	32.4	32.4	97.1	97.2	6.5	6.5	15.8		2		89				<0.2		1.0	
						6.4	0.3	22	26.6		8.2		32.4		97.2		6.5		16.1		3		90				<0.2		1.0	
IM5	Cloudy	Rough	14:57	6.7	Surface	1.0	0.3	336	26.3	26.3	8.2	8.2	30.0	30.0	92.3	92.3	6.3	6.3	3.9	7.2	3	3	81	86	820727	804850	<0.2	<0.2	1.1	1.1
						1.0	0.3	347	26.3		8.2		29.9		92.2		6.3		4.1		4		82				<0.2		1.0	
					Middle	3.4	0.3	354	26.5	26.5	8.2	8.2	31.0	31.0	92.3	92.3	6.2		7.1		3		85				<0.2		1.0	
						3.4	0.3	326	26.5		8.2		31.0		92.3		6.2		7.3		3		86				<0.2		1.3	
					Bottom	5.7	0.2	327	26.6	26.6	8.2	8.2	32.2	32.2	94.8	94.9	6.4	6.4	10.5		3		89				<0.2		1.1	
						5.7	0.2	336	26.6		8.2		32.2		94.9		6.4		10.4		2		90				<0.2		1.1	
IM6	Cloudy	Moderate	14:50	6.6	Surface	1.0	0.2	347	26.3	26.3	8.2	8.2	28.9	28.9	91.3	91.3	6.3	6.3	2.8	7.6	2	3	79	84	821070	805813	<0.2	<0.2	1.3	1.3
						1.0	0.2	319	26.3		8.2		28.9		91.3		6.3		2.9		3		79				<0.2		1.3	
					Middle	3.3	0.2	351	26.3	26.3	8.2	8.2	29.4	29.4	92.0	92.1	6.3		6.5		3		84				<0.2		1.3	
						3.3	0.2	323	26.3		8.2		29.4		92.1		6.3		6.5		4		85				<0.2		1.2	
					Bottom	5.6	0.3	-	26.4	26.4	8.2	8.2	30.2	30.2	95.8	95.9	6.5	6.5	13.0		3		87				<0.2		1.3	
						5.6	0.3	-	26.4		8.2		30.3		96.0		6.5		14.0		4		87				<0.2		1.3	
IM7	Cloudy	Moderate	14:40	8.2	Surface	1.0	0.1	223	26.4	26.4	8.1	8.1	28.4	28.4	89.4	89.4	6.1	6.2	1.1	1.4	4	3	82	86	821344	806844	<0.2	<0.2	1.4	1.5
						1.0	0.1	240	26.4		8.1		28.4		89.4		6.1		1.1		3		83				<0.2		1.5	
					Middle	4.1	0.1	281	26.4	26.4	8.1	8.1	29.0	29.0	90.6	90.6	6.2		1.4		2		85				<0.2		1.4	
						4.1	0.1	306	26.4		8.1		29.0		90.6		6.2		1.4		3		85				<0.2		1.5	
					Bottom	7.2	0.1	293	26.4	26.4	8.1	8.1	29.0	29.0	92.4	92.5	6.3	6.3	1.6		3		90				<0.2		1.5	
						7.2	0.1	296	26.4		8.1		29.0		92.5		6.3		1.7		3		90				<0.2		1.5	
IM8	Cloudy	Moderate	15:31	7.5	Surface	1.0	0.1	188	26.3	26.3	8.2	8.2	29.1	29.1	91.6	91.6	6.3	6.2	7.7	8.1	3	4	83	88	821858	808135	<0.2	<0.2	1.8	1.7
						1.0	0.1	205	26.3		8.2		29.1		91.6		6.3		7.7		5		84				<0.2		1.7	
					Middle	3.8	0.1	128	26.3	26.3	8.2	8.2	29.2	29.2	89.4	89.4	6.1		7.7		4		88				<0.2		1.7	
						3.8	0.2	133	26.3		8.2		29.2		89.3		6.1		7.8		4		87				<0.2		1.7	
					Bottom	6.5	0.1	225	26.4	26.4	8.2	8.2	29.6	29.6	88.5	88.5	6.0	6.0	8.7		4		91				<0.2		1.8	
						6.5	0.1	227	26.4		8.2		29.6		88.5		6.0		8.7		3		92				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 October 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	15:38	7.2	Surface	1.0	0.1	33	26.4	26.4	8.3	8.3	29.1	29.1	91.0	91.0	6.2	6.2	10.5	9.8	9	9	83	88	822081	808803	<0.2	<0.2	1.7	1.7
						1.0	0.1	36	26.4		8.3		29.1		91.0		6.2		10.5		10		84				<0.2		1.7	
					Middle	3.6	0.1	34	26.4	26.4	8.3	8.3	29.1	29.1	90.0	90.1	6.2		10.2		9		88				<0.2		1.7	
						3.6	0.1	34	26.4		8.3		29.1		90.1		6.2		10.3		9		87				<0.2		1.7	
					Bottom	6.2	0.0	100	26.5	26.5	8.2	8.2	30.1	30.1	88.9	88.9	6.0	6.0	8.6		8		92				<0.2		1.7	
						6.2	0.0	104	26.5		8.2		30.1		88.8		6.0		8.7		8		91				<0.2		1.8	
IM10	Cloudy	Moderate	15:45	6.3	Surface	1.0	0.4	311	26.1	26.1	8.2	8.2	28.7	28.7	90.1	90.1	6.2	5.9	6.0	7.6	3	3	83	87	822376	809807	<0.2	<0.2	1.4	1.5
						1.0	0.4	337	26.1		8.2		28.7		90.0		6.2		6.0		4		83				<0.2		1.5	
					Middle	3.2	0.4	317	26.5	26.5	8.2	8.2	30.3	30.3	82.8	82.8	5.6		7.5		3		88				<0.2		1.4	
						3.2	0.4	343	26.5		8.2		30.3		82.8		5.6		7.6		3		87				<0.2		1.4	
					Bottom	5.3	0.3	320	26.5	26.5	8.2	8.2	30.5	30.5	83.5	83.6	5.7	5.7	9.2		4		91				<0.2		1.5	
						5.3	0.3	320	26.5		8.2		30.5		83.6		5.7		9.3		3		91				<0.2		1.5	
IM11	Cloudy	Moderate	15:59	7.4	Surface	1.0	0.5	302	26.2	26.2	8.2	8.2	29.1	29.1	87.8	87.8	6.0	5.9	6.6	8.8	2	4	83	87	822040	811456	<0.2	<0.2	1.4	1.4
						1.0	0.5	313	26.2		8.2		29.1		87.8		6.0		6.6		3		83				<0.2		1.4	
					Middle	3.7	0.4	294	26.4	26.4	8.2	8.2	29.8	29.8	84.6	84.6	5.8		8.3		4		87				<0.2		1.4	
						3.7	0.4	311	26.4		8.2		29.8		84.6		5.8		8.4		3		87				<0.2		1.4	
					Bottom	6.4	0.2	292	26.6	26.6	8.2	8.2	31.0	31.0	84.2	84.2	5.7	5.7	11.5		4		91				<0.2		1.4	
						6.4	0.2	302	26.6		8.2		31.0		84.2		5.7		11.5		5		91				<0.2		1.5	
IM12	Cloudy	Moderate	16:07	8.4	Surface	1.0	0.4	274	26.4	26.4	8.2	8.2	30.0	30.0	84.4	84.4	5.8	5.8	7.4	8.6	3	3	83	87	821446	812024	<0.2	<0.2	1.3	1.3
						1.0	0.5	296	26.4		8.2		30.0		84.4		5.8		7.4		3		83				<0.2		1.3	
					Middle	4.2	0.3	290	26.5	26.5	8.2	8.2	30.4	30.4	83.4	83.4	5.7		8.8		3		87				<0.2		1.3	
						4.2	0.3	317	26.5		8.2		30.4		83.4		5.7		8.8		4		87				<0.2		1.3	
					Bottom	7.4	0.2	263	26.5	26.5	8.2	8.2	30.8	30.8	83.5	83.5	5.7	5.7	9.7		3		90				<0.2		1.3	
						7.4	0.2	281	26.5		8.2		30.8		83.5		5.7		9.7		3		92				<0.2		1.3	
SR2	Cloudy	Moderate	16:34	4.7	Surface	1.0	0.3	323	26.2	26.2	8.3	8.3	29.1	29.1	89.8	89.8	6.2	6.2	7.3	8.0	2	2	83	86	821443	814155	<0.2	<0.2	1.3	1.3
						1.0	0.3	351	26.2		8.3		29.1		89.8		6.2		7.3		2		83				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	319	26.3	26.3	8.3	8.3	29.6	29.6	88.6	88.7	6.1	6.1	8.7		<2		88				<0.2		1.3	
						3.7	0.1	342	26.3		8.3		29.6		88.7		6.1		8.7		<2		89				<0.2		1.4	
SR3	Cloudy	Moderate	15:25	8.6	Surface	1.0	0.1	239	26.6	26.6	8.1	8.1	28.6	28.6	89.2	89.3	6.1	6.2	5.6	6.0	<2	2	-	-	822137	807546	-	-	-	-
						1.0	0.1	259	26.6		8.1		28.6		89.4		6.1		5.6		<2		-				-		-	
					Middle	4.3	0.1	316	26.4	26.4	8.1	8.1	29.0	29.0	90.1	90.2	6.2		5.7		<2		-				-		-	
						4.3	0.1	339	26.4		8.1		29.0		90.2		6.2		5.7		<2		-				-		-	
					Bottom	7.6	0.1	198	26.4	26.4	8.0	8.0	29.4	29.4	89.7	89.8	6.1	6.1	6.7		2		-				-		-	
						7.6	0.1	216	26.4		8.0		29.4		89.8		6.1		6.7		<2		-				-		-	
SR4A	Fine	Moderate	16:04	9.0	Surface	1.0	0.0	345	26.1	26.1	8.2	8.2	28.1	28.1	89.4	89.4	6.2	6.2	3.9	5.3	3	4	-	-	817184	807799	-	-	-	-
						1.0	0.0	317	26.1		8.2		28.1		89.3		6.2		4.0		3		-				-		-	
					Middle	4.5	0.2	70	26.5	26.5	8.2	8.2	31.7	31.7	90.5	90.5	6.1		5.5		4		-				-		-	
						4.5	0.2	70	26.5		8.2		31.7		90.5		6.1		5.5		4		-				-		-	
					Bottom	8.0	0.2	56	26.5	26.5	8.2	8.2	32.0	32.0	92.6	92.7	6.2	6.2	6.3		5		-				-		-	
						8.0	0.2	58	26.5		8.2		32.0		92.7		6.2		6.4		3		-				-		-	
SR5A	Fine	Moderate	16:20	4.1	Surface	1.0	0.1	247	25.8	25.8	8.2	8.2	27.4	27.4	91.9	91.9	6.4	6.4	6.9	10.1	5	4	-	-	816601	810670	-	-	-	-
						1.0	0.1	264	25.8		8.2		27.4		91.9		6.4		7.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	287	26.0	26.0	8.1	8.1	28.1	28.1	91.8	91.8	6.4	6.4	13.2		3		-				-		-	
						3.1	0.1	299	26.0		8.1		28.1		91.8		6.4		13.2		3		-				-		-	
SR6	Fine	Moderate	17:00	4.4	Surface	1.0	0.1	57	26.2	26.2	8.1	8.1	28.0	28.0	86.0	86.0	5.9	5.9	2.4	3.2	<2	<2	-	-	817894	814645	-	-	-	-
						1.0	0.1	59	26.2		8.1		28.0		86.0		5.9		2.4		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	152	26.3	26.3	8.1	8.1	29.1	29.1	85.5	85.6	5.9	5.9	3.9		<2		-				-		-	
						3.4	0.0	157	26.3		8.1		29.1		85.6		5.9		3.9		<2		-				-		-	
SR7	Cloudy	Moderate	17:53	14.7	Surface	1.0	0.1	343	26.3	26.3	8.2	8.2	30.5	30.5	87.8	87.8	6.0	5.8	5.4	8.2	<2	2	-	-	823640	823753	-	-	-	-
						1.0	0.1	316	26.3		8.2		30.5		87.7		6.0		5.4		<2		-				-		-	
					Middle	7.4	0.1	94	26.6	26.6	8.2	8.2	31.8	31.8	83.2	83.2	5.6		7.3		<2		-				-		-	
						7.4	0.1	97	26.6		8.2		31.8		83.2		5.6		7.4		<2		-				-		-	
					Bottom	13.7	0.1	95	26.6	26.6	8.2	8.2	31.8	31.8	83.2	83.2	5.6	5.6	11.8		2		-				-		-	
						13.7	0.1	104	26.6		8.2		31.8		83.2		5.6		11.9		4		-				-		-	
SR8	Cloudy	Moderate	16:22	4.5	Surface	1.0	-	-	26.4	26.4	8.2	8.2	29.8	29.8	83.8	83.8	5.7	5.7	8.3	8.6	4	5	-	-	820510	811652	-	-	-	-
						1.0	-	-	26.4		8.2		29.9		83.8		5.7		8.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	26.6	26.6	8.2	8.2	31.0	31.0	83.2	83.3	5.6	5.6	8.9		6		-				-		-	
						3.5	-	-	26.6		8.2		31.0		83.3		5.6		8.9		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 October 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	10:02	8.6	Surface	1.0	0.3	225	26.2	26.2	8.2	8.2	32.6	32.6	97.8	97.8	6.6	6.6	6.9	7.5	6	6	83	88	815625	804257	<0.2	<0.2	0.5	0.5
						1.0	0.4	241	26.2		8.2		32.6		97.7		6.6		6.9		6		84				<0.2		0.5	
					Middle	4.3	0.3	227	26.2	26.2	8.2	8.2	32.6	32.6	97.6	97.6	6.6		7.2		5		88				<0.2		0.5	
						4.3	0.3	236	26.2		8.2		32.6		97.6		6.6		7.2		6		89				<0.2		0.4	
					Bottom	7.6	0.3	231	26.2	26.2	8.1	8.1	32.6	32.6	97.6	97.7	6.6	6.6	8.4		6		92				<0.2		0.5	
						7.6	0.3	252	26.2		8.1		32.6		97.7		6.6		8.4		6		93				<0.2		0.4	
C2	Fine	Moderate	11:29	9.3	Surface	1.0	0.5	188	26.1	26.1	8.2	8.2	30.6	30.6	96.2	96.2	6.6	6.6	5.5	6.5	5	4	84	88	825672	806956	<0.2	<0.2	0.6	0.6
						1.0	0.6	195	26.1		8.2		30.6		96.1		6.6		5.5		4		84				<0.2		0.6	
					Middle	4.7	0.9	142	26.0	26.0	8.2	8.2	30.8	30.8	95.4	95.4	6.5		6.5		4		89				<0.2		0.5	
						4.7	0.9	150	26.0		8.2		30.8		95.4		6.5		6.5		4		88				<0.2		0.5	
					Bottom	8.3	0.5	115	26.0	26.0	8.2	8.2	31.9	31.9	95.5	95.5	6.5	6.5	7.5		4		93				<0.2		0.5	
						8.3	0.6	123	26.0		8.2		31.9		95.5		6.5		7.5		4		92				<0.2		0.6	
C3	Fine	Moderate	09:07	12.2	Surface	1.0	0.5	140	25.7	25.7	8.1	8.1	29.6	29.6	95.9	95.9	6.6	6.6	6.3	6.9	4	4	84	89	822097	817826	<0.2	<0.2	0.4	0.4
						1.0	0.6	143	25.7		8.1		29.6		95.9		6.6		6.3		5		85				<0.2		0.4	
					Middle	6.1	0.2	97	25.7	25.7	8.1	8.1	29.7	29.7	94.7	94.7	6.5		6.7		3		89				<0.2		0.4	
						6.1	0.3	106	25.7		8.1		29.7		94.7		6.5		6.7		3		89				<0.2		0.4	
					Bottom	11.2	0.4	62	26.4	26.3	8.2	8.2	32.2	32.2	95.2	95.2	6.4	6.4	7.8		4		94				<0.2		0.4	
						11.2	0.4	63	26.3		8.2		32.2		95.2		6.4		7.7		4		93				<0.2		0.4	
IM1	Fine	Moderate	10:24	5.1	Surface	1.0	0.3	222	26.1	26.1	8.3	8.3	32.4	32.4	96.2	96.2	6.5	6.5	7.4	7.6	4	6	89	91	817963	807155	<0.2	<0.2	0.4	0.4
						1.0	0.3	227	26.1		8.3		32.4		96.2		6.5		7.4		4		89				<0.2		0.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	216	26.1	26.1	8.3	8.3	32.4	32.4	96.2	96.2	6.5	6.5	7.7		7		92				<0.2		0.4	
						4.1	0.2	236	26.1		8.3		32.4		96.2		6.5		7.8		8		92				<0.2		0.4	
IM2	Fine	Moderate	10:32	7.2	Surface	1.0	0.4	179	26.1	26.1	8.3	8.3	32.2	32.2	97.7	97.7	6.6	6.6	6.7	7.0	6	6	85	89	818140	806174	<0.2	<0.2	0.4	0.4
						1.0	0.4	179	26.1		8.3		32.2		97.7		6.6		6.7		6		86				<0.2		0.5	
					Middle	3.6	0.4	175	26.0	26.0	8.3	8.3	32.2	32.2	97.5	97.5	6.6		7.1		5		89				<0.2		0.4	
						3.6	0.4	178	26.0		8.3		32.2		97.5		6.6		7.1		4		90				<0.2		0.4	
					Bottom	6.2	0.3	169	26.0	26.0	8.3	8.3	32.3	32.3	97.1	97.1	6.6	6.6	7.3		9		92				<0.2		0.4	
						6.2	0.3	173	26.0		8.3		32.3		97.1		6.6		7.3		8		93				<0.2		0.5	
IM3	Fine	Moderate	10:39	7.4	Surface	1.0	0.4	194	26.1	26.1	8.3	8.3	31.8	31.7	97.7	97.7	6.6	6.6	8.3	7.9	8	7	85	90	818795	805620	<0.2	<0.2	0.8	0.8
						1.0	0.4	205	26.1		8.3		31.7		97.6		6.6		8.3		7		86				<0.2		0.7	
					Middle	3.7	0.3	186	26.0	26.0	8.3	8.3	32.1	32.1	97.4	97.4	6.6		7.4		7		89				<0.2		0.7	
						3.7	0.3	200	26.0		8.3		32.1		97.4		6.6		7.4		7		91				<0.2		0.7	
					Bottom	6.4	0.2	157	26.0	26.0	8.3	8.3	32.4	32.4	96.7	96.8	6.5	6.5	8.1		6		95				<0.2		0.7	
						6.4	0.2	163	26.0		8.3		32.4		96.8		6.5		8.1		5		96				<0.2		0.9	
IM4	Fine	Moderate	10:49	7.7	Surface	1.0	0.6	217	26.0	26.0	8.3	8.3	31.4	31.4	99.6	99.6	6.8	6.8	5.8	8.5	4	5	88	93	819752	804611	<0.2	<0.2	0.7	0.7
						1.0	0.7	221	26.0		8.3		31.4		99.6		6.8		5.8		5		88				<0.2		0.7	
					Middle	3.9	0.5	213	26.0	26.0	8.3	8.3	31.5	31.5	98.7	98.7	6.7		7.6		6		92				<0.2		0.8	
						3.9	0.5	220	26.0		8.3		31.5		98.6		6.7		7.6		5		92				<0.2		0.7	
					Bottom	6.7	0.4	201	26.0	26.0	8.3	8.3	32.0	32.0	98.0	98.1	6.6	6.7	12.1		5		97				<0.2		0.7	
						6.7	0.5	212	26.0		8.3		32.0		98.2		6.7		12.1		5		98				<0.2		0.8	
IM5	Fine	Moderate	11:00	7.0	Surface	1.0	0.5	185	25.9	25.9	8.3	8.3	31.5	31.5	98.9	99.0	6.7	6.7	6.0	7.0	5	5	87	89	820719	804849	<0.2	<0.2	0.5	0.6
						1.0	0.6	193	25.9		8.3		31.5		99.0		6.7		6.0		5		87				<0.2		0.6	
					Middle	3.5	0.5	186	25.9	25.9	8.3	8.3	31.7	31.7	98.6	98.5	6.7		6.8		6		87				<0.2		0.7	
						3.5	0.5	191	25.9		8.3		31.7		98.4		6.7		6.8		6		88				<0.2		0.6	
					Bottom	6.0	0.4	187	25.9	25.9	8.3	8.3	31.8	31.8	98.0	97.9	6.7	6.7	8.1		5		91				<0.2		0.6	
						6.0	0.4	197	25.9		8.3		31.8		97.8		6.7		8.0		4		91				<0.2		0.6	
IM6	Fine	Moderate	11:10	6.9	Surface	1.0	0.5	247	26.1	26.1	8.2	8.2	30.8	30.8	97.9	97.9	6.7	6.7	5.7	7.1	6	5	86	90	821061	805856	<0.2	<0.2	0.7	0.7
						1.0	0.5	253	26.1		8.2		30.8		97.9		6.7		5.7		6		86				<0.2		0.8	
					Middle	3.5	0.5	236	26.0	26.0	8.3	8.3	31.2	31.2	97.6	97.7	6.6		6.6		5		89				<0.2		0.7	
						3.5	0.5	240	26.0		8.3		31.2		97.7		6.7		6.7		5		90				<0.2		0.7	
					Bottom	5.9	0.3	224	26.0	26.0	8.3	8.3	31.8	31.8	97.8	97.8	6.6	6.6	8.9		4		92				<0.2		0.7	
						5.9	0.3	225	26.0		8.3		31.8		97.8		6.6		8.9		4		94				<0.2		0.7	
IM7	Fine	Moderate	11:20	8.3	Surface	1.0	0.4	249	26.1	26.1	8.2	8.2	30.6	30.6	96.3	96.3	6.6	6.6	5.5	6.4	6	5	84	89	821359	806836	<0.2	<0.2	0.8	0.8
						1.0	0.4	269	26.1		8.2		30.6		96.3		6.6		5.4		5		86				<0.2		0.8	
					Middle	4.2	0.3	251	26.1	26.1	8.1	8.1	30.7	30.7	95.7	95.7	6.5		5.9		5		89				<0.2		0.7	
						4.2	0.4	260	26.1		8.1		30.7		95.7		6.5		5.9		5		90				<0.2		0.8	
					Bottom	7.3	0.2	247	26.1	26.1	8.1	8.1	31.8	31.8	96.2	96.3	6.5	6.5	7.8		6		93				<0.2		0.8	
						7.3	0.2	266	26.1		8.1		31.8		96.3		6.5		7.8		5		94				<0.2		0.7	
IM8	Fine	Moderate	10:52	7.7	Surface	1.0	0.3	184	25.9	25.9	8.3	8.3	31.6	31.6	98.8	98.8	6.7	6.7	6.4	7.5	6	6	85	89	821825	808154	<0.2	<0.2	0.6	0.6
						1.0	0.3	194	25.9		8.3		31.6		98.8		6.7		6.4		6		85				<0.2		0.5	
					Middle	3.9	0.3	156	25.9	25.9	8.3	8.3	31.7	31.7	97.8	97.9	6.6		7.8		6		90				<0.2		0.6	
						3.9	0.3	165	25.9		8.3		31.7		97.9		6.7		7.8		6		89				<0.2		0.5	
					Bottom	6.7	0.4	141	25.9	25.9	8.3	8.3	31.8	31.8	97.8	97.8	6.6	6.6	8.3		5		94				<0.2		0.6	
						6.7	0.4	150	25.9		8.3		31.8		97.8		6.6		8.3		5		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 20 October 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	10:43	7.0	Surface	1.0	0.3	160	26.0	26.0	8.3	8.3	31.4	31.4	99.6	99.6	6.8	6.8	7.0	13.1	5	6	85	89	822080	808820	<0.2	<0.2	0.6	0.6
						1.0	0.3	160	26.0		8.3		31.4		99.6		6.8		7.0		6		85				<0.2		0.6	
					Middle	3.5	0.3	159	26.0	26.0	8.3	8.3	31.8	31.8	98.7	98.7	6.7		13.4		7		89				<0.2		0.6	
						3.5	0.3	172	26.0		8.3		31.8		98.7		6.7		13.4		7		90				<0.2		0.5	
					Bottom	6.0	0.4	133	26.0	26.0	8.3	8.3	31.9	31.9	98.5	98.5	6.7	6.7	18.8		5		93				<0.2		0.5	
						6.0	0.4	142	26.0		8.3		31.9		98.5		6.7		18.8		5		93				<0.2		0.6	
IM10	Fine	Moderate	10:34	6.8	Surface	1.0	0.5	187	26.1	26.1	8.3	8.3	31.7	31.7	98.3	98.3	6.7	6.7	8.3	7.7	8	9	84	89	822403	809786	<0.2	<0.2	0.6	0.5
						1.0	0.5	194	26.1		8.3		31.7		98.3		6.7		8.3		10		85				<0.2		0.6	
					Middle	3.4	0.5	172	26.0	26.0	8.3	8.3	32.0	32.0	97.4	97.5	6.6		7.4		9		90				<0.2		0.5	
						3.4	0.5	177	26.0		8.3		32.0		97.5		6.6		7.4		10		89				<0.2		0.5	
					Bottom	5.8	0.4	122	26.0	26.0	8.3	8.3	32.2	32.2	97.2	97.2	6.6	6.6	7.4		10		93				<0.2		0.5	
						5.8	0.4	125	26.0		8.3		32.2		97.2		6.6		7.4		9		93				<0.2		0.5	
IM11	Fine	Moderate	10:16	8.0	Surface	1.0	0.7	125	26.1	26.1	8.3	8.3	32.2	32.2	97.7	97.8	6.6	6.6	6.8	7.1	8	8	84	89	822047	811459	<0.2	<0.2	0.6	0.6
						1.0	0.8	129	26.1		8.3		32.2		97.8		6.6		6.8		6		85				<0.2		0.6	
					Middle	4.0	0.7	140	26.0	26.0	8.3	8.3	32.2	32.2	97.5	97.5	6.6		7.1		8		89				<0.2		0.6	
						4.0	0.7	149	26.0		8.3		32.2		97.4		6.6		7.1		8		90				<0.2		0.5	
					Bottom	7.0	0.4	130	26.0	26.0	8.3	8.3	32.2	32.2	97.3	97.4	6.6	6.6	7.5		9		93				<0.2		0.6	
						7.0	0.5	139	26.0		8.3		32.2		97.4		6.6		7.5		9		94				<0.2		0.6	
IM12	Fine	Moderate	10:06	8.9	Surface	1.0	0.6	166	26.1	26.1	8.3	8.3	32.4	32.4	96.2	96.2	6.5	6.5	7.8	12.2	6	7	85	90	821470	812061	<0.2	<0.2	0.5	0.5
						1.0	0.7	174	26.1		8.3		32.4		96.1		6.5		7.8		6		89				<0.2		0.4	
					Middle	4.5	0.6	141	26.1	26.1	8.3	8.3	32.4	32.4	96.0	96.0	6.5		9.8		6		89				<0.2		0.5	
						4.5	0.7	150	26.1		8.3		32.4		96.0		6.5		9.8		8		89				<0.2		0.5	
					Bottom	7.9	0.6	112	26.1	26.1	8.3	8.3	32.4	32.4	95.8	95.8	6.5	6.5	18.7		6		94				<0.2		0.5	
						7.9	0.6	121	26.1		8.3		32.4		95.8		6.5		19.1		7		93				<0.2		0.5	
SR2	Fine	Moderate	09:33	4.5	Surface	1.0	0.5	104	25.8	25.8	8.2	8.2	30.9	30.9	96.0	96.0	6.6	6.6	6.4	6.8	5	7	85	87	821470	814178	<0.2	<0.2	0.5	0.5
						1.0	0.5	106	25.8		8.2		30.9		96.0		6.6		6.4		6		84				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	87	26.1	26.1	8.2	8.2	32.2	32.2	96.0	96.0	6.5	6.5	7.2		9		90				<0.2		0.5	
						3.5	0.2	90	26.1		8.2		32.2		96.0		6.5		7.2		8		89				<0.2		0.5	
SR3	Fine	Moderate	10:59	8.5	Surface	1.0	0.3	184	26.1	26.1	8.2	8.2	30.8	30.8	97.6	97.6	6.7	6.7	5.8	6.9	3	5	-	-	822123	807560	-	-	-	-
						1.0	0.4	192	26.1		8.2		30.8		97.5		6.7		5.8		4		-				-		-	
					Middle	4.3	0.2	120	26.0	26.0	8.3	8.3	31.1	31.1	97.8	97.8	6.7		6.7		6		-				-		-	
						4.3	0.2	123	26.0		8.3		31.1		97.8		6.7		6.8		5		-				-		-	
					Bottom	7.5	0.3	103	26.0	26.0	8.3	8.3	31.8	31.8	97.2	97.2	6.6	6.6	8.1		7		-				-		-	
						7.5	0.4	103	26.0		8.3		31.8		97.2		6.6		8.0		6		-				-		-	
SR4A	Fine	Calm	09:42	9.4	Surface	1.0	0.1	54	25.8	25.8	8.1	8.1	30.9	30.9	95.7	95.8	6.5	6.5	6.6	8.2	6	5	-	-	817204	807812	-	-	-	-
						1.0	0.2	57	25.8		8.1		30.9		95.8		6.6		6.6		5		-				-		-	
					Middle	4.7	0.3	55	26.2	26.2	8.1	8.1	32.6	32.6	95.8	95.8	6.5		8.4		7		-				-		-	
						4.7	0.3	57	26.2		8.1		32.6		95.8		6.5		8.4		6		-				-		-	
					Bottom	8.4	0.2	53	26.2	26.2	8.1	8.1	32.6	32.6	95.4	95.5	6.4	6.4	9.7		4		-				-		-	
						8.4	0.2	54	26.2		8.1		32.6		95.6		6.4		9.6		4		-				-		-	
SR5A	Fine	Calm	09:25	5.3	Surface	1.0	0.1	101	25.7	25.7	8.1	8.1	29.6	29.6	95.6	95.6	6.6	6.6	6.4	6.9	4	4	-	-	816615	810705	-	-	-	-
						1.0	0.1	109	25.7		8.1		29.6		95.5		6.6		6.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	124	26.2	26.2	8.0	8.0	31.2	31.2	95.1	95.1	6.5	6.5	7.4		4		-				-		-	
						4.3	0.1	133	26.2		8.0		31.2		95.1		6.5		7.3		4		-				-		-	
SR6	Fine	Calm	09:00	4.9	Surface	1.0	0.1	63	26.0	26.0	8.1	8.1	30.0	30.0	91.0	91.0	6.2	6.2	6.8	6.8	14	13	-	-	817912	814683	-	-	-	-
						1.0	0.1	66	26.0		8.1		30.0		91.0		6.2		6.9		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	81	26.0	26.0	8.0	8.0	30.3	30.3	91.0	91.0	6.2	6.2	6.7		13		-				-		-	
						3.9	0.1	83	26.0		8.0		30.3		90.9		6.2		6.8		12		-				-		-	
SR7	Fine	Moderate	08:20	15.2	Surface	1.0	0.5	116	26.0	26.0	8.1	8.1	29.9	29.9	90.1	90.1	6.2	6.2	6.6	7.7	6	6	-	-	823639	823753	-	-	-	-
						1.0	0.6	118	26.0		8.1		29.9		90.1		6.2		6.7		5		-				-		-	
					Middle	7.6	0.4	112	25.9	25.9	8.1	8.1	30.2	30.2	88.4	88.3	6.1		7.3		7		-				-		-	
						7.6	0.4	118	25.9		8.1		30.2		88.2		6.1		7.3		7		-				-		-	
					Bottom	14.2	0.5	92	26.2	26.2	8.1	8.1	30.9	30.9	85.6	85.6	5.8	5.8	9.1		7		-				-		-	
						14.2	0.5	94	26.2		8.1		30.9		85.6		5.8		9.1		6		-				-		-	
SR8	Fine	Moderate	09:59	4.1	Surface	1.0	-	-	26.2	26.2	8.2	8.2	32.6	32.6	97.9	97.9	6.6	6.6	6.7	7.0	8	6	-	-	820519	811641	-	-	-	-
						1.0	-	-	26.2		8.2		32.6		97.9		6.6		6.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	26.2	26.2	8.2	8.2	32.6	32.6	97.8	97.8	6.6	6.6	7.2		4		-				-		-	
						3.1	-	-	26.2		8.2		32.6		97.7		6.6		7.2		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 20 October 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	16:44	8.2	Surface	1.0	0.2	65	26.0	26.0	8.1	8.1	32.1	32.1	99.5	99.6	6.7	6.7	7.5	9.0	8	9	82	88	815616	804237	<0.2	<0.2	0.6	0.6
						1.0	0.2	65	26.0		8.1		32.1		99.6		6.7		7.4		8		83				<0.2		0.6	
					Middle	4.1	0.3	48	26.1	26.1	8.1	8.1	32.2	32.2	98.9	99.0	6.7		8.3		8		88				<0.2		0.6	
						4.1	0.3	49	26.1		8.1		32.2		99.0		6.7		8.4		9		89				<0.2		0.5	
					Bottom	7.2	0.2	46	26.1	26.1	8.0	8.0	32.2	32.2	98.2	98.2	6.6	6.6	11.4		10		91				<0.2		0.5	
						7.2	0.3	50	26.1		8.0		32.2		98.2		6.6		11.2		9		92				<0.2		0.5	
C2	Cloudy	Moderate	15:34	9.1	Surface	1.0	0.5	211	26.1	26.1	8.0	8.0	29.4	29.4	92.6	92.6	6.4	6.4	6.1	7.0	<2	3	87	91	825700	806962	<0.2	<0.2	0.7	0.7
						1.0	0.5	219	26.1		8.0		29.4		92.6		6.4		6.2		3		87				<0.2		0.6	
					Middle	4.6	0.6	167	26.2	26.2	8.0	8.0	30.1	30.1	93.5	93.5	6.4		7.0		4		90				<0.2		0.7	
						4.6	0.6	178	26.2		8.0		30.1		93.5		6.4		7.0		3		91				<0.2		0.7	
					Bottom	8.1	0.1	270	26.3	26.3	8.0	8.0	30.4	30.4	93.5	93.5	6.4	6.4	7.8		4		95				<0.2		0.6	
						8.1	0.1	287	26.3		8.0		30.4		93.5		6.4		7.8		4		95				<0.2		0.7	
C3	Cloudy	Moderate	17:46	12.0	Surface	1.0	0.3	236	25.8	25.8	8.1	8.1	30.1	30.1	96.4	96.5	6.6	6.6	8.7	9.1	6	6	87	91	822094	817817	<0.2	<0.2	0.6	0.6
						1.0	0.4	242	25.8		8.1		30.1		96.5		6.6		8.7		7		87				<0.2		0.5	
					Middle	6.0	0.5	254	25.9	25.9	8.0	8.0	30.2	30.2	95.9	95.9	6.6		9.0		7		91				<0.2		0.6	
						6.0	0.5	265	25.9		8.0		30.2		95.9		6.6		9.1		7		90				<0.2		0.8	
					Bottom	11.0	0.3	277	25.9	25.9	8.0	8.0	30.2	30.2	96.0	96.0	6.6	6.6	9.5		6		95				<0.2		0.6	
						11.0	0.3	294	25.9		8.0		30.2		96.0		6.6		9.5		5		94				<0.2		0.7	
IM1	Cloudy	Moderate	16:24	4.6	Surface	1.0	0.1	45	26.0	26.0	8.2	8.2	31.7	31.7	98.0	98.0	6.7	6.7	7.3	7.9	4	5	85	86	817942	807112	<0.2	<0.2	0.6	0.5
						1.0	0.1	46	26.0		8.2		31.7		97.9		6.7		7.3		5		85				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	37	26.0	26.0	8.2	8.2	31.9	31.9	98.6	98.7	6.7	6.7	8.4		5		87				<0.2		0.5	
						3.6	0.1	38	26.0		8.2		31.9		98.7		6.7		8.4		5		87				<0.2		0.5	
IM2	Cloudy	Moderate	16:16	6.9	Surface	1.0	0.2	210	26.0	26.0	8.3	8.3	31.5	31.5	100.0	100.0	6.8	6.8	7.4	7.8	5	5	84	88	818176	806192	<0.2	<0.2	0.6	0.7
						1.0	0.2	211	26.0		8.3		31.5		99.9		6.8		7.4		5		85				<0.2		0.7	
					Middle	3.5	0.0	209	26.0	26.0	8.3	8.3	31.5	31.5	99.3	99.3	6.7		7.9		4		88				<0.2		0.7	
						3.5	0.0	225	26.0		8.3		31.5		99.2		6.7		7.8		6		89				<0.2		0.7	
					Bottom	5.9	0.1	57	26.0	26.0	8.3	8.3	31.6	31.6	99.1	99.1	6.7	6.7	8.1		6		92				<0.2		0.6	
						5.9	0.1	58	26.0		8.3		31.6		99.1		6.7		8.1		5		92				<0.2		0.7	
IM3	Cloudy	Moderate	16:08	7.1	Surface	1.0	0.2	255	26.0	26.0	8.2	8.2	31.1	31.1	100.4	100.4	6.8	6.8	7.2	7.3	10	8	84	88	818778	805601	<0.2	<0.2	0.8	0.8
						1.0	0.3	256	26.0		8.2		31.1		100.3		6.8		7.2		8		84				<0.2		0.8	
					Middle	3.6	0.2	271	26.0	26.0	8.2	8.2	31.1	31.1	99.7	99.7	6.8		7.2		6		87				<0.2		0.7	
						3.6	0.2	280	26.0		8.2		31.1		99.7		6.8		7.2		8		88				<0.2		0.8	
					Bottom	6.1	0.2	272	26.0	26.0	8.2	8.2	31.1	31.1	99.8	99.8	6.8	6.8	7.5		6		92				<0.2		0.7	
						6.1	0.2	286	26.0		8.2		31.1		99.8		6.8		7.4		8		93				<0.2		0.7	
IM4	Cloudy	Moderate	15:58	7.4	Surface	1.0	0.2	343	26.0	26.0	8.2	8.2	31.0	31.0	98.8	98.8	6.7	6.7	9.6	11.0	7	8	83	87	819729	804635	<0.2	<0.2	0.9	1.0
						1.0	0.2	316	26.0		8.2		31.0		98.8		6.7		9.7		7		83				<0.2		1.0	
					Middle	3.7	0.2	-	26.0	26.0	8.2	8.2	31.5	31.5	98.7	98.8	6.7		12.6		8		87				<0.2		1.0	
						3.7	0.2	-	26.0		8.2		31.5		98.8		6.7		12.6		8		87				<0.2		1.0	
					Bottom	6.4	0.1	349	26.0	26.0	8.2	8.2	31.7	31.7	98.6	98.6	6.7	6.7	10.8		9		92				<0.2		1.0	
						6.4	0.1	354	26.0		8.2		31.7		98.6		6.7		10.8		8		92				<0.2		1.0	
IM5	Cloudy	Moderate	15:49	6.7	Surface	1.0	0.5	254	26.2	26.2	8.1	8.1	30.0	30.0	95.0	95.1	6.5	6.5	6.8	8.7	6	8	84	88	820734	804887	<0.2	<0.2	0.9	1.2
						1.0	0.6	261	26.2		8.1		30.0		95.1		6.5		6.8		7		86				<0.2		0.9	
					Middle	3.4	0.4	253	26.2	26.2	8.1	8.1	30.2	30.2	95.0	95.0	6.5		10.1		8		88				<0.2		1.0	
						3.4	0.4	263	26.2		8.1		30.2		95.0		6.5		10.3		8		89				<0.2		1.3	
					Bottom	5.7	0.3	251	26.2	26.2	8.1	8.1	30.4	30.4	96.0	96.0	6.5	6.6	9.0		8		89				<0.2		1.5	
						5.7	0.4	261	26.2		8.1		30.4		96.0		6.6		9.0		9		90				<0.2		1.5	
IM6	Cloudy	Moderate	15:42	6.5	Surface	1.0	0.6	268	26.2	26.2	8.1	8.1	29.8	29.8	93.8	93.9	6.4	6.4	6.9	9.1	6	5	82	88	821030	805829	<0.2	<0.2	1.2	1.6
						1.0	0.6	279	26.2		8.1		29.8		93.9		6.4		6.9		7		83				<0.2		1.3	
					Middle	3.3	0.5	277	26.2	26.2	8.1	8.1	30.2	30.2	94.2	94.2	6.4		9.2		4		88				<0.2		1.4	
						3.3	0.5	304	26.2		8.1		30.2		94.2		6.4		9.2		5		90				<0.2		1.6	
					Bottom	5.5	0.4	275	26.2	26.2	8.1	8.1	30.3	30.3	94.7	94.8	6.5	6.5	11.3		3		91				<0.2		1.9	
						5.5	0.4	286	26.2		8.1		30.3		94.8		6.5		11.3		3		92				<0.2		2.0	
IM7	Cloudy	Moderate	15:35	7.4	Surface	1.0	0.5	230	26.2	26.2	8.0	8.0	29.4	29.4	93.1	93.1	6.4	6.4	6.5	7.2	5	6	87	92	821362	806807	<0.2	<0.2	2.0	2.0
						1.0	0.5	234	26.2		8.0		29.4		93.1		6.4		6.3		5		89				<0.2		2.1	
					Middle	3.7	0.5	240	26.2	26.2	8.0	8.0	30.1	30.1	94.2	94.2	6.4		7.2		7		93				<0.2		2.0	
						3.7	0.5	258	26.2		8.0		30.1		94.2		6.4		7.2		6		93				<0.2		1.9	
					Bottom	6.4	0.4	262	26.3	26.3	8.0	8.0	30.4	30.4	95.7	95.7	6.5	6.5	8.0		6		95				<0.2		2.1	
						6.4	0.4	266	26.3		8.0		30.4		95.7		6.5		8.0		6		96				<0.2		1.8	
IM8	Cloudy	Moderate	15:57	7.6	Surface	1.0	0.3	240	26.2	26.2	8.1	8.1	30.0	30.0	95.1	95.1	6.5	6.5	7.0	8.4	5	6	88	91	821826	808134	<0.2	<0.2	1.0	1.0
						1.0	0.3	242	26.2		8.1		30.0		95.1		6.5		7.0		6		87				<0.2		1.0	
					Middle	3.8	0.2	258	26.2	26.2	8.1	8.1	30.3	30.3	95.1	95.1	6.5		8.3		6		91				<0.2		1.0	
						3.8	0.3	282	26.2		8.1		30.3		95.0		6.5		8.3		5		91				<0.2		1.0	
					Bottom	6.6	0.1	70	26.1	26.1	8.1	8.1	30.5	30.5	94.8	94.9	6.5	6.5	9.9		5		95				<0.2		0.9	
						6.6	0.1	72	26.1		8.1		30.5		94.9		6.5		9.9		6		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 20 October 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	16:06	6.5	Surface	1.0	0.2	244	26.0	26.0	8.2	8.2	31.0	31.0	98.9	98.9	6.7	6.7	9.6	11.2	6	8	87	91	822086	808839	<0.2	<0.2	1.1	1.1
						1.0	0.2	249	26.0		8.2		31.0		98.9		6.8		9.6		7		87				<0.2		1.0	
					Middle	3.3	0.2	267	26.0	26.0	8.2	8.2	31.5	31.5	98.5	98.4	6.7		13.7		6		91				<0.2		1.0	
						3.3	0.2	287	26.0		8.2		31.5		98.3		6.7		13.6		5		91				<0.2		1.2	
					Bottom	5.5	0.1	280	26.0	26.0	8.2	8.2	31.7	31.7	98.2	98.2	6.7	6.7	10.4		12		95				<0.2		1.2	
						5.5	0.1	300	26.0		8.2		31.7		98.2		6.7		10.5		11		95				<0.2		1.1	
IM10	Cloudy	Moderate	16:18	7.0	Surface	1.0	0.3	312	26.0	26.0	8.2	8.2	31.1	31.1	100.4	100.5	6.8	6.8	7.0	7.7	6	7	87	91	822375	809794	<0.2	<0.2	2.1	2.0
						1.0	0.3	330	26.0		8.2		31.1		100.5		6.8		7.0		5		87				<0.2		2.2	
					Middle	3.5	0.3	333	26.0	26.0	8.2	8.2	31.1	31.1	100.0	100.0	6.8		7.5		6		91				<0.2		2.0	
						3.5	0.3	344	26.0		8.2		31.1		100.0		6.8		7.5		8		91				<0.2		2.0	
					Bottom	6.0	0.1	351	26.0	26.0	8.2	8.2	31.1	31.1	99.8	99.8	6.8	6.8	8.5		8		95				<0.2		1.8	
						6.0	0.1	357	26.0		8.2		31.1		99.8		6.8		8.6		7		95				<0.2		1.9	
IM11	Cloudy	Moderate	16:34	7.2	Surface	1.0	0.4	320	26.0	26.0	8.3	8.3	31.4	31.4	99.8	99.8	6.8	6.8	7.2	7.8	5	6	87	91	822066	811462	<0.2	<0.2	1.9	1.9
						1.0	0.4	336	26.0		8.3		31.4		99.8		6.8		7.2		6		87				<0.2		1.8	
					Middle	3.6	0.4	272	26.0	26.0	8.3	8.3	31.5	31.5	99.4	99.4	6.8		7.6		6		91				<0.2		1.9	
						3.6	0.4	298	26.0		8.3		31.5		99.4		6.8		7.6		7		91				<0.2		1.6	
					Bottom	6.2	0.3	276	26.0	26.0	8.3	8.3	31.5	31.5	99.3	99.3	6.7	6.7	8.5		6		95				<0.2		2.0	
						6.2	0.3	283	26.0		8.3		31.5		99.3		6.7		8.5		7		95				<0.2		1.9	
IM12	Cloudy	Moderate	16:44	8.3	Surface	1.0	0.5	278	26.0	26.0	8.2	8.2	31.7	31.7	97.3	97.3	6.6	6.6	7.3	9.4	5	6	87	91	821466	812028	<0.2	<0.2	1.6	1.4
						1.0	0.5	280	26.0		8.2		31.7		97.3		6.6		7.3		5		87				<0.2		1.4	
					Middle	4.2	0.6	299	26.0	26.0	8.2	8.2	31.7	31.7	97.8	97.8	6.6		8.3		6		91				<0.2		1.4	
						4.2	0.6	328	26.0		8.2		31.7		97.8		6.6		8.3		6		91				<0.2		1.4	
					Bottom	7.3	0.3	261	26.0	26.0	8.2	8.2	31.8	31.8	97.3	97.2	6.6	6.6	12.5		8		95				<0.2		1.3	
						7.3	0.3	274	26.0		8.2		31.8		97.1		6.6		12.6		8		96				<0.2		1.4	
SR2	Cloudy	Moderate	17:21	4.6	Surface	1.0	0.1	350	25.9	25.9	8.1	8.1	30.2	30.2	95.0	95.1	6.5	6.5	8.2	8.5	7	8	87	89	821479	814157	<0.2	<0.2	1.2	1.1
						1.0	0.1	322	25.9		8.1		30.2		95.1		6.5		8.3		9		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	357	25.9	25.9	8.1	8.1	30.4	30.4	94.9	94.9	6.5	6.5	8.8		7		90				<0.2		1.0	
						3.6	0.1	328	25.9		8.1		30.4		94.9		6.5		8.8		9		91				<0.2		1.0	
SR3	Cloudy	Moderate	15:51	8.4	Surface	1.0	0.4	244	26.1	26.1	8.1	8.1	29.7	29.7	93.6	93.6	6.4	6.4	6.9	9.0	7	7	-	-	822131	807554	-	-	-	-
						1.0	0.4	252	26.1		8.1		29.7		93.6		6.4		6.9		7		-				-		-	
					Middle	4.2	0.4	252	26.2	26.2	8.1	8.1	30.2	30.2	94.2	94.2	6.4		9.4		6		-				-		-	
						4.2	0.4	273	26.2		8.1		30.2		94.2		6.4		9.4		7		-				-		-	
					Bottom	7.4	0.3	287	26.2	26.2	8.1	8.1	30.3	30.3	93.9	93.9	6.4	6.4	10.6		8		-				-		-	
						7.4	0.3	300	26.2		8.1		30.3		93.8		6.4		10.6		8		-				-		-	
SR4A	Cloudy	Moderate	17:06	8.5	Surface	1.0	0.4	278	25.9	25.9	8.0	8.0	30.3	30.3	94.8	94.9	6.5	6.5	8.4	9.0	9	9	-	-	817173	807790	-	-	-	-
						1.0	0.4	292	25.9		8.0		30.3		94.9		6.5		8.4		8		-				-		-	
					Middle	4.3	0.3	278	26.0	26.0	8.0	8.0	30.5	30.5	94.4	94.4	6.5		8.9		9		-				-		-	
						4.3	0.4	294	26.0		8.0		30.5		94.3		6.5		8.9		9		-				-		-	
					Bottom	7.5	0.3	284	26.0	26.0	8.0	8.0	31.0	31.0	94.6	94.6	6.4	6.4	9.8		10		-				-		-	
						7.5	0.3	295	26.0		8.0		31.0		94.6		6.4		9.8		9		-				-		-	
SR5A	Cloudy	Calm	17:26	4.8	Surface	1.0	0.2	296	25.9	25.9	8.0	8.0	30.1	30.1	96.6	96.6	6.6	6.6	9.0	9.5	9	9	-	-	816563	810696	-	-	-	-
						1.0	0.2	308	25.9		8.0		30.1		96.6		6.6		9.0		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	300	25.9	25.9	7.9	7.9	30.2	30.2	96.4	96.4	6.6	6.6	10.0		9		-				-		-	
						3.8	0.2	319	25.9		7.9		30.2		96.4		6.6		10.0		9		-				-		-	
SR6	Cloudy	Calm	17:52	4.3	Surface	1.0	0.1	219	26.2	26.2	8.0	8.0	30.7	30.7	90.6	90.6	6.2	6.2	7.7	8.1	9	10	-	-	817871	814659	-	-	-	-
						1.0	0.1	221	26.2		8.0		30.7		90.6		6.2		7.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	210	26.2	26.2	7.9	7.9	30.9	30.9	91.7	91.7	6.2	6.2	8.4		9		-				-		-	
						3.3	0.1	212	26.2		7.9		30.9		91.7		6.2		8.4		10		-				-		-	
SR7	Cloudy	Moderate	18:25	14.9	Surface	1.0	0.1	325	26.2	26.2	8.0	8.0	30.7	30.7	91.0	91.0	6.2	6.2	8.0	15.9	9	9	-	-	823612	823748	-	-	-	-
						1.0	0.1	348	26.2		8.0		30.7		91.0		6.2		8.0		8		-				-		-	
					Middle	7.5	0.1	64	26.2	26.2	8.0	8.0	30.9	30.9	91.1	91.1	6.2		13.2		8		-				-		-	
						7.5	0.2	65	26.2		8.0		30.9		91.1		6.2		13.5		9		-				-		-	
					Bottom	13.9	0.2	85	26.2	26.2	8.0	8.0	30.9	30.9	90.5	90.5	6.1	6.1	26.2		9		-				-		-	
						13.9	0.2	90	26.2		8.0		30.9		90.4		6.1		26.7		8		-				-		-	
SR8	Cloudy	Moderate	16:59	4.0	Surface	1.0	-	-	26.0	26.0	8.2	8.2	32.1	32.1	99.8	99.8	6.8	6.8	7.6	7.7	13	11	-	-	820493	811647	-	-	-	-
						1.0	-	-	26.0		8.2		32.1		99.8		6.8		7.5		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	26.0	26.0	8.1	8.1	32.2	32.2	99.4	99.5	6.7	6.7	7.9		10		-				-		-	
						3.0	-	-	26.0		8.1		32.2		99.5		6.7		7.9		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: 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 23 October 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		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	05:21	9.0	Surface	1.0	0.5	36	26.2	26.2	8.1	8.1	25.0	25.0	94.5	94.5	6.6	6.6	23.3	47.5	10	10	86	90	815592	804249	<0.2	<0.2	1.4	1.3
						1.0	0.5	38	26.2		8.1		25.1		94.4		6.6		23.9		11		86				<0.2		1.3	
					Middle	4.5	0.6	33	26.3	26.3	8.1	8.1	29.9	29.9	94.8	94.8	6.5		47.9		9		88				<0.2		1.4	
						4.5	0.7	34	26.3		8.1		30.0		94.8		6.5		49.1		9		90				<0.2		1.4	
					Bottom	8.0	0.6	35	26.3	26.3	8.1	8.1	30.1	30.1	95.0	95.0	6.5	6.5	69.6		10		93				<0.2		1.2	
						8.0	0.6	37	26.3		8.1		30.1		95.0		6.5		71.1		11		94				<0.2		1.3	
C2	Cloudy	Moderate	07:03	12.3	Surface	1.0	0.2	112	26.4	26.4	8.0	8.0	28.5	28.6	88.3	88.4	6.1	6.1	6.9	9.6	5	8	83	86	825687	806918	<0.2	<0.2	2.6	2.4
						1.0	0.2	122	26.4		8.0		28.6		88.4		6.1		7.0		6		83				<0.2		2.8	
					Middle	6.2	0.0	99	26.3	26.3	8.0	8.0	29.0	29.1	88.6	88.6	6.1		9.5		5		86				<0.2		2.2	
						6.2	0.0	102	26.3		8.0		29.2		88.6		6.1		10.3		5		86				<0.2		2.3	
					Bottom	11.3	0.1	229	26.3	26.3	8.0	8.0	29.3	29.3	89.0	89.1	6.1	6.1	12.1		12		88				<0.2		2.1	
						11.3	0.1	230	26.3		8.0		29.2		89.1		6.1		12.0		13		88				<0.2		2.1	
C3	Cloudy	Moderate	04:48	12.2	Surface	1.0	0.6	272	26.2	26.2	8.0	8.0	30.5	30.5	88.7	88.6	6.0	6.0	5.8	9.0	6	5	86	90	822108	817782	<0.2	<0.2	2.0	1.4
						1.0	0.7	282	26.2		8.0		30.5		88.5		6.0		6.3		5		85				<0.2		1.9	
					Middle	6.1	0.6	270	26.1	26.1	8.0	8.0	31.2	31.2	87.1	87.1	5.9		8.4		4		90				<0.2		1.1	
						6.1	0.7	295	26.1		8.0		31.2		87.0		5.9		8.4		5		91				<0.2		1.0	
					Bottom	11.2	0.5	271	26.1	26.1	8.0	8.0	31.2	31.2	86.0	86.0	5.8	5.8	12.6		4		94				<0.2		1.1	
						11.2	0.5	282	26.1		8.0		31.2		85.9		5.8		12.5		4		95				<0.2		1.2	
IM1	Cloudy	Moderate	05:39	5.5	Surface	1.0	0.1	343	26.5	26.5	8.1	8.1	29.4	29.4	94.4	94.6	6.4	6.5	9.3	8.9	6	6	83	85	817960	807119	<0.2	<0.2	1.3	1.4
						1.0	0.1	316	26.5		8.1		29.4		94.7		6.5		9.2		6		84				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	325	26.5	26.5	8.0	8.0	29.3	29.3	95.7	95.8	6.5	6.5	8.9		6		85				<0.2		1.4	
						4.5	0.1	348	26.5		8.0		29.3		95.8		6.5		8.0		7		86				<0.2		1.3	
IM2	Cloudy	Moderate	05:46	7.9	Surface	1.0	0.6	20	26.3	26.3	8.1	8.1	27.2	27.2	94.7	94.7	6.6	6.6	11.6	14.1	8	8	82	86	818172	806167	<0.2	<0.2	1.4	1.4
						1.0	0.6	21	26.4		8.1		27.2		94.7		6.6		11.7		9		83				<0.2		1.4	
					Middle	4.0	0.4	20	26.5	26.5	8.1	8.1	29.0	28.9	95.1	95.2	6.5		14.1		7		86				<0.2		1.4	
						4.0	0.4	21	26.5		8.1		28.9		95.2		6.5		13.8		7		87				<0.2		1.4	
					Bottom	6.9	0.3	9	26.5	26.5	8.1	8.1	29.1	29.1	96.1	96.1	6.6	6.6	16.7		8		89				<0.2		1.5	
						6.9	0.3	9	26.5		8.1		29.1		96.1		6.6		16.7		7		90				<0.2		1.4	
IM3	Cloudy	Moderate	05:51	8.1	Surface	1.0	0.5	18	26.2	26.2	8.1	8.1	26.5	26.5	95.1	95.1	6.6	6.6	11.8	14.7	11	9	83	86	818776	805620	<0.2	<0.2	1.5	1.5
						1.0	0.6	19	26.2		8.1		26.5		95.0		6.6		12.0		10		83				<0.2		1.5	
					Middle	4.1	0.4	15	26.5	26.5	8.1	8.1	29.1	29.0	95.4	95.5	6.5		14.6		8		86				<0.2		1.6	
						4.1	0.5	16	26.5		8.1		29.0		95.6		6.5		14.3		7		86				<0.2		1.5	
					Bottom	7.1	0.3	9	26.5	26.5	8.1	8.1	29.1	29.1	96.5	96.5	6.6	6.6	17.4		8		89				<0.2		1.4	
						7.1	0.4	9	26.5		8.1		29.1		96.5		6.6		17.8		9		90				<0.2		1.5	
IM4	Cloudy	Moderate	05:58	8.1	Surface	1.0	0.6	18	26.3	26.3	8.1	8.1	27.5	27.5	95.8	95.9	6.6	6.6	15.2	15.5	10	10	87	90	819724	804603	<0.2	<0.2	1.5	1.5
						1.0	0.6	19	26.3		8.1		27.5		95.9		6.6		15.5		12		87				<0.2		1.5	
					Middle	4.1	0.4	4	26.5	26.5	8.1	8.1	29.2	29.2	96.4	96.4	6.6		14.7		9		89				<0.2		1.4	
						4.1	0.4	4	26.5		8.1		29.2		96.4		6.6		14.8		9		90				<0.2		1.5	
					Bottom	7.1	0.3	359	26.5	26.5	8.1	8.1	29.3	29.3	97.1	97.1	6.6	6.6	16.3		9		93				<0.2		1.5	
						7.1	0.4	330	26.5		8.1		29.3		97.1		6.6		16.3		10		93				<0.2		1.6	
IM5	Cloudy	Moderate	06:05	7.6	Surface	1.0	0.6	355	26.4	26.4	8.1	8.1	28.1	28.1	95.6	95.6	6.6	6.6	16.7	16.5	8	7	86	90	820741	804894	<0.2	<0.2	1.5	1.4
						1.0	0.7	327	26.4		8.1		28.1		95.6		6.6		17.0		8		87				<0.2		1.3	
					Middle	3.8	0.5	343	26.5	26.5	8.1	8.1	29.1	29.1	96.1	96.2	6.6		14.6		6		89				<0.2		1.4	
						3.8	0.5	316	26.5		8.1		29.1		96.3		6.6		14.2		6		89				<0.2		1.2	
					Bottom	6.6	0.4	352	26.5	26.5	8.1	8.1	29.1	29.1	96.9	96.9	6.6	6.6	18.2		7		92				<0.2		1.3	
						6.6	0.4	324	26.5		8.1		29.1		96.8		6.6		18.5		6		94				<0.2		1.5	
IM6	Cloudy	Moderate	06:13	7.3	Surface	1.0	0.4	65	26.5	26.5	8.1	8.1	26.7	26.7	94.9	95.0	6.6	6.6	11.9	14.1	5	7	86	89	821073	805824	<0.2	<0.2	1.4	1.4
						1.0	0.4	69	26.5		8.1		26.7		95.0		6.6		12.0		6		86				<0.2		1.4	
					Middle	3.7	0.4	74	26.5	26.5	8.1	8.1	28.8	28.8	95.9	95.9	6.6		14.5		7		89				<0.2		1.4	
						3.7	0.5	80	26.5		8.1		28.8		95.9		6.6		14.4		7		89				<0.2		1.3	
					Bottom	6.3	0.3	78	26.5	26.5	8.1	8.1	29.0	29.0	95.4	95.5	6.5	6.5	15.8		7		93				<0.2		1.3	
						6.3	0.3	79	26.5		8.1		29.0		95.6		6.5		15.8		7		93				<0.2		1.3	
IM7	Cloudy	Moderate	06:23	8.2	Surface	1.0	0.3	90	26.5	26.5	8.2	8.2	27.9	27.9	94.9	95.0	6.5	6.5	12.1	14.1	6	6	87	90	821358	806856	<0.2	<0.2	1.5	1.4
						1.0	0.3	92	26.5		8.2		27.9		95.0		6.5		12.2		5		88				<0.2		1.5	
					Middle	4.1	0.4	99	26.5	26.5	8.2	8.2	28.6	28.6	95.2	95.1	6.5		13.6		5		90				<0.2		1.2	
						4.1	0.4	102	26.5		8.2		28.6		95.0		6.5		14.2		5		91				<0.2		1.4	
					Bottom	7.2	0.3	99	26.5	26.5	8.2	8.2	29.0	29.0	94.4	94.4	6.5	6.5	16.8		6		92				<0.2		1.3	
						7.2	0.3	101	26.5		8.2		29.0		94.3		6.5		15.9		6		93				<0.2		1.5	
IM8	Cloudy	Moderate	06:32	7.7	Surface	1.0	0.3	77	26.3	26.3	8.0	8.0	27.8	27.8	90.2	90.3	6.2	6.3	6.5	10.0	3	4	82	85	821817	808121	<0.2	<0.2	1.6	1.8
						1.0	0.3	80	26.3		8.0		27.8		90.3		6.2		6.6		5		82				<0.2		1.5	
					Middle	3.9	0.3	75	26.3	26.3	8.0	8.0	28.1	28.1	91.2	91.3	6.3		8.0		4		85				<0.2		1.6	
						3.9	0.3	79	26.3		8.0		28.2		91.3		6.3		8.1		4		85				<0.2		2.7	
					Bottom	6.7	0.2	78	26.3	26.3	8.0	8.0	29.7	29.7	92.5	92.5	6.3	6.3	15.2		4		89				<0.2		1.5	
						6.7	0.3	79	26.3		8.0		29.7		92.4		6.3		15.5		3		89				<0.2		1.6	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: The ebb tide monitoring session on 23 October 2018 was cancelled due to marine traffic management.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 October 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	06:03	7.5	Surface	1.0	0.3	50	26.3	26.3	8.0	8.0	27.9	27.8	88.4	88.4	6.1	6.2	5.3	6.3	5	5	83	85	822083	808831	<0.2	<0.2	1.5	1.5
						1.0	0.3	50	26.3		8.0		27.8		88.4		6.1		5.2		5		82				<0.2		1.5	
					Middle	3.8	0.4	31	26.3	26.3	8.0	8.0	28.3	28.3	89.4	89.5	6.2		6.8		5		85				<0.2		1.5	
						3.8	0.4	32	26.3		8.0		28.3		89.5		6.2		6.7		5		86				<0.2		1.6	
					Bottom	6.5	0.3	16	26.2	26.2	8.0	8.0	28.7	28.7	90.1	90.1	6.2	6.2	6.9		6		88				<0.2		1.5	
						6.5	0.3	17	26.2		8.0		28.7		90.1		6.2		7.0		6		88				<0.2		1.6	
IM10	Cloudy	Moderate	05:56	7.9	Surface	1.0	0.5	332	26.1	26.1	8.0	8.0	29.7	29.7	92.5	92.5	6.3	6.3	3.7	7.3	6	6	83	86	822403	809813	<0.2	<0.2	1.5	1.8
						1.0	0.6	358	26.1		8.0		29.7		92.4		6.3		3.8		6		83				<0.2		1.6	
					Middle	4.0	0.5	333	26.2	26.2	8.0	8.0	29.9	29.9	92.1	92.1	6.3		4.5		6		86				<0.2		1.7	
						4.0	0.5	306	26.2		8.0		29.9		92.1		6.3		4.5		6		86				<0.2		1.8	
					Bottom	6.9	0.4	320	26.1	26.1	8.0	8.0	30.0	30.0	91.6	91.6	6.3	6.3	13.8		6		89				<0.2		1.9	
						6.9	0.4	340	26.1		8.0		30.0		91.6		6.3		13.6		6		89				<0.2		2.0	
IM11	Cloudy	Moderate	05:45	8.0	Surface	1.0	0.3	299	26.2	26.2	8.0	8.0	30.3	30.3	90.9	90.9	6.2	6.2	11.9	14.1	15	15	85	88	822072	811480	<0.2	<0.2	0.8	0.9
						1.0	0.3	319	26.2		8.0		30.3		90.9		6.2		11.9		14		85				<0.2		0.8	
					Middle	4.0	0.3	297	26.2	26.2	8.0	8.0	30.3	30.3	90.7	90.7	6.2		13.7		12		88				<0.2		0.8	
						4.0	0.3	323	26.2		8.0		30.3		90.7		6.2		14.2		14		88				<0.2		1.1	
					Bottom	7.0	0.3	301	26.2	26.2	8.0	8.0	30.3	30.3	90.7	90.7	6.2	6.2	16.5		17		91				<0.2		1.0	
						7.0	0.4	320	26.2		8.0		30.3		90.7		6.2		16.4		18		91				<0.2		0.9	
IM12	Cloudy	Moderate	05:37	9.7	Surface	1.0	0.4	260	26.2	26.2	8.0	8.0	30.2	30.2	90.6	90.6	6.2	6.2	6.8	10.9	11	11	85	87	821429	812045	<0.2	<0.2	1.4	1.1
						1.0	0.4	276	26.2		8.0		30.2		90.6		6.2		6.8		11		84				<0.2		1.4	
					Middle	4.9	0.4	257	26.2	26.2	8.0	8.0	30.2	30.2	90.4	90.4	6.2		11.5		11		87				<0.2		1.1	
						4.9	0.4	267	26.2		8.0		30.2		90.4		6.2		11.7		11		87				<0.2		1.0	
					Bottom	8.7	0.4	240	26.2	26.2	8.0	8.0	30.3	30.3	90.1	90.1	6.1	6.1	14.2		12		90				<0.2		1.0	
						8.7	0.4	242	26.2		8.0		30.3		90.1		6.1		14.1		11		91				<0.2		0.9	
SR2	Cloudy	Moderate	05:09	4.9	Surface	1.0	0.3	311	26.2	26.2	8.0	8.0	30.0	30.0	91.2	91.2	6.2	6.2	6.1	8.7	9	9	85	86	821445	814146	<0.2	<0.2	2.1	2.5
						1.0	0.3	333	26.2		8.0		30.0		91.2		6.2		6.2		10		85				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.3	317	26.3	26.3	8.0	8.0	30.1	30.1	91.1	91.1	6.2	6.2	11.3		8		87				<0.2		2.8	
						3.9	0.3	323	26.3		8.0		30.1		91.1		6.2		11.4		8		88				<0.2		3.0	
SR3	Cloudy	Moderate	06:38	9.1	Surface	1.0	0.4	63	26.3	26.3	8.0	8.0	28.2	28.2	91.3	91.4	6.3	6.4	5.9	9.6	5	5	-	-	822174	807578	-	-	-	-
						1.0	0.4	67	26.3		8.0		28.2		91.5		6.3		6.0		6		-				-		-	
					Middle	4.6	0.4	72	26.3	26.3	8.1	8.1	29.9	29.9	93.1	93.1	6.4		9.3		5		-				-		-	
						4.6	0.4	72	26.3		8.1		29.9		93.1		6.4		9.0		5		-				-		-	
					Bottom	8.1	0.3	76	26.3	26.3	8.1	8.1	29.8	29.8	92.7	92.7	6.3	6.3	13.8		4		-				-		-	
						8.1	0.4	80	26.3		8.1		29.8		92.7		6.3		13.5		5		-				-		-	
SR4A	Cloudy	Calm	05:00	9.6	Surface	1.0	0.2	54	26.4	26.4	8.1	8.1	29.4	29.4	94.1	94.1	6.4	6.4	7.7	7.8	6	6	-	-	817184	807794	-	-	-	-
						1.0	0.2	57	26.4		8.1		29.5		94.1		6.4		7.7		5		-				-		-	
					Middle	4.8	0.1	67	26.4	26.4	8.1	8.0	29.7	29.7	93.9	93.9	6.4		7.9		7		-				-		-	
						4.8	0.1	67	26.4		8.0		29.7		93.8		6.4		7.9		7		-				-		-	
					Bottom	8.6	0.1	38	26.4	26.4	8.0	8.0	29.7	29.7	94.5	94.5	6.4	6.4	7.8		7		-				-		-	
						8.6	0.1	40	26.4		8.0		29.7		94.5		6.4		7.8		6		-				-		-	
SR5A	Cloudy	Calm	04:44	5.6	Surface	1.0	0.1	357	26.3	26.3	8.1	8.1	29.6	29.6	93.9	94.0	6.4	6.4	7.3	7.4	6	6	-	-	816572	810712	-	-	-	-
						1.0	0.1	328	26.3		8.1		29.6		94.0		6.4		7.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	359	26.3	26.3	8.0	8.0	29.6	29.6	94.9	95.0	6.5	6.5	7.3		5		-				-		-	
						4.6	0.1	330	26.3		8.0		29.6		95.0		6.5		7.6		6		-				-		-	
SR6	Cloudy	Calm	04:20	4.5	Surface	1.0	0.1	277	26.3	26.3	8.0	8.0	29.3	29.3	92.5	92.5	6.3	6.3	7.3	6.9	7	7	-	-	817919	814683	-	-	-	-
						1.0	0.1	277	26.3		8.0		29.3		92.5		6.3		7.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	260	26.2	26.2	8.0	8.0	29.5	29.5	91.9	91.9	6.3	6.3	6.4		7		-				-		-	
						3.5	0.1	263	26.2		8.0		29.5		91.8		6.3		6.4		6		-				-		-	
SR7	Cloudy	Moderate	04:21	16.6	Surface	1.0	0.1	219	26.2	26.2	8.2	8.2	31.0	31.0	88.9	88.9	6.0	6.0	3.0	3.9	5	5	-	-	823620	823759	-	-	-	-
						1.0	0.1	236	26.2		8.2		31.0		88.9		6.0		3.0		5		-				-		-	
					Middle	8.3	0.1	90	26.2	26.2	8.2	8.2	31.3	31.3	87.9	87.9	6.0		3.8		4		-				-		-	
						8.3	0.1	90	26.2		8.2		31.3		87.9		6.0		3.9		4		-				-		-	
					Bottom	15.6	0.1	136	26.2	26.2	8.2	8.2	31.4	31.4	87.5	87.5	5.9	5.9	4.9		5		-				-		-	
						15.6	0.1	139	26.2		8.2		31.4		87.5		5.9		4.9		6		-				-		-	
SR8	Cloudy	Moderate	05:25	5.2	Surface	1.0	-	-	26.2	26.2	8.0	8.0	30.2	30.2	90.4	90.4	6.2	6.2	10.1	10.4	10	10	-	-	820517	811677	-	-	-	-
						1.0	-	-	26.2		8.0		30.2		90.4		6.2		10.1		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	26.2	26.2	8.0	8.0	30.2	30.2	90.4	90.4	6.2	6.2	10.7		10		-				-		-	
						4.2	-	-	26.2		8.0		30.2		90.4		6.2		10.6		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: The ebb tide monitoring session on 23 October 2018 was cancelled due to marine traffic management.
Note 1: 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 25 October 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	12:44	9.0	Surface	1.0	0.1	133	26.1	26.1	8.2	8.2	29.6	29.6	101.0	101.0	6.9	6.9	2.8	9.4	3	4	86	90	815629	804242	<0.2	<0.2	1.2	1.2
						1.0	0.1	145	26.1		8.2		29.6		101.0		6.9		2.8		3		87				<0.2		1.1	
					Middle	4.5	0.0	342	26.0	26.0	8.3	8.3	30.7	30.7	100.9	100.9	6.9		5.7		4		90				<0.2		1.2	
						4.5	0.0	315	26.0		8.3		30.7		100.8		6.9		5.9		4		90				<0.2		1.2	
					Bottom	8.0	0.0	337	26.0	26.0	8.3	8.3	31.8	31.8	100.0	100.0	6.8	6.8	19.3		4		93				<0.2		1.2	
						8.0	0.0	310	26.0		8.3		31.8		100.0		6.8		19.7		5		93				<0.2		1.2	
C2	Fine	Moderate	11:46	11.4	Surface	1.0	0.1	43	26.3	26.3	8.2	8.2	29.0	29.0	92.3	92.3	6.3	6.3	5.3	11.6	6	8	85	88	825702	806930	<0.2	<0.2	1.2	1.2
						1.0	0.1	43	26.3		8.2		29.0		92.3		6.3		5.4		6		84				<0.2		1.2	
					Middle	5.7	0.3	52	26.0	26.0	8.2	8.2	29.9	29.9	90.9	90.9	6.2		10.9		6		88				<0.2		1.2	
						5.7	0.3	54	26.0		8.2		29.9		90.9		6.2		10.9		7		88				<0.2		1.2	
					Bottom	10.4	0.2	55	26.0	26.0	8.2	8.2	30.1	30.1	91.0	91.0	6.2	6.2	18.6		11		93				<0.2		1.3	
						10.4	0.2	58	26.0		8.2		30.1		91.0		6.2		18.7		10		92				<0.2		1.3	
C3	Fine	Moderate	14:11	12.6	Surface	1.0	0.4	52	26.4	26.4	8.2	8.2	30.3	30.3	95.3	95.3	6.5	6.5	4.0	4.8	4	4	85	89	822097	817825	<0.2	<0.2	1.0	1.1
						1.0	0.4	54	26.4		8.2		30.3		95.3		6.5		4.1		5		85				<0.2		1.2	
					Middle	6.3	0.3	90	26.3	26.3	8.2	8.2	30.4	30.4	95.4	95.4	6.5		4.6		4		89				<0.2		1.1	
						6.3	0.3	98	26.3		8.2		30.4		95.4		6.5		4.7		3		89				<0.2		1.1	
					Bottom	11.6	0.3	87	26.2	26.2	8.2	8.2	30.7	30.7	94.7	94.7	6.4	6.4	5.6		5		93				<0.2		1.1	
						11.6	0.3	87	26.2		8.2		30.7		94.7		6.4		5.6		5		93				<0.2		1.2	
IM1	Fine	Moderate	12:23	5.4	Surface	1.0	0.2	213	26.1	26.1	8.2	8.2	30.6	30.6	94.8	94.8	6.5	6.5	5.4	5.7	7	7	85	87	817934	807139	<0.2	<0.2	1.1	1.2
						1.0	0.2	229	26.1		8.2		30.6		94.8		6.5		5.3		7		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	223	26.1	26.1	8.2	8.2	30.7	30.7	94.0	94.0	6.4	6.4	6.1		8		88				<0.2		1.2	
						4.4	0.2	228	26.1		8.2		30.7		94.0		6.4		6.1		7		88				<0.2		1.2	
IM2	Fine	Moderate	12:15	7.8	Surface	1.0	0.1	94	26.3	26.3	8.2	8.2	30.2	30.2	98.7	98.7	6.7	6.7	4.3	7.1	3	4	82	87	818141	806156	<0.2	<0.2	1.2	1.2
						1.0	0.1	97	26.4		8.2		30.2		98.7		6.7		4.3		3		82				<0.2		1.2	
					Middle	3.9	0.1	163	26.0	26.0	8.2	8.2	30.9	30.9	96.6	96.6	6.6		7.3		4		87				<0.2		1.2	
						3.9	0.1	170	26.0		8.2		30.9		96.6		6.6		7.4		4		87				<0.2		1.2	
					Bottom	6.8	0.1	191	26.0	26.0	8.2	8.2	31.1	31.1	95.4	95.4	6.5	6.5	9.7		4		90				<0.2		1.2	
						6.8	0.1	209	26.0		8.2		31.1		95.4		6.5		9.7		5		91				<0.2		1.2	
IM3	Fine	Moderate	12:07	8.1	Surface	1.0	0.2	83	26.2	26.2	8.2	8.2	30.2	30.2	98.3	98.3	6.7	6.7	3.9	5.1	5	5	83	87	818777	805586	<0.2	<0.2	1.2	1.2
						1.0	0.2	83	26.2		8.2		30.2		98.3		6.7		3.9		4		84				<0.2		1.2	
					Middle	4.1	0.1	49	26.1	26.1	8.2	8.2	31.2	31.2	98.1	98.1	6.7		4.8		5		86				<0.2		1.2	
						4.1	0.1	49	26.1		8.2		31.2		98.1		6.7		4.9		5		87				<0.2		1.2	
					Bottom	7.1	0.1	44	26.0	26.0	8.2	8.2	31.3	31.3	97.2	97.3	6.6	6.6	6.5		6		90				<0.2		1.0	
						7.1	0.1	46	26.0		8.2		31.3		97.3		6.6		6.5		6		91				<0.2		1.1	
IM4	Fine	Moderate	11:57	8.2	Surface	1.0	0.1	80	26.2	26.2	8.2	8.2	30.6	30.6	95.3	95.3	6.5	6.5	6.1	9.1	8	6	85	90	819714	804629	<0.2	<0.2	1.1	1.0
						1.0	0.1	83	26.2		8.2		30.6		95.3		6.5		6.2		7		86				<0.2		1.1	
					Middle	4.1	0.1	41	26.0	26.0	8.2	8.2	31.0	31.0	95.1	95.1	6.5		8.9		7		89				<0.2		1.0	
						4.1	0.1	43	26.0		8.2		31.0		95.1		6.5		8.9		6		91				<0.2		1.0	
					Bottom	7.2	0.1	39	26.0	26.0	8.2	8.2	31.1	31.1	94.9	94.9	6.5	6.5	12.3		5		93				<0.2		1.0	
						7.2	0.1	42	26.0		8.2		31.1		94.9		6.5		12.3		5		94				<0.2		1.0	
IM5	Fine	Moderate	11:48	7.6	Surface	1.0	0.1	32	26.1	26.1	8.2	8.2	30.7	30.7	94.7	94.7	6.5	6.5	9.5	15.9	9	10	83	88	820748	804886	<0.2	<0.2	1.0	1.1
						1.0	0.1	33	26.1		8.2		30.7		94.7		6.5		9.6		10		84				<0.2		1.1	
					Middle	3.8	0.1	30	26.0	26.0	8.2	8.2	30.9	30.9	93.8	93.8	6.4		17.3		8		86				<0.2		1.2	
						3.8	0.2	32	26.0		8.2		30.9		93.8		6.4		17.4		10		87				<0.2		1.2	
					Bottom	6.6	0.1	43	26.0	26.0	8.2	8.2	30.9	30.9	94.2	94.2	6.4	6.4	20.8		12		93				<0.2		1.1	
						6.6	0.1	44	26.0		8.2		30.9		94.2		6.4		20.8		12		94				<0.2		1.2	
IM6	Fine	Moderate	11:39	6.8	Surface	1.0	0.2	218	26.1	26.1	8.2	8.2	30.3	30.3	93.6	93.6	6.4	6.4	11.2	17.8	13	12	83	87	821066	805830	<0.2	<0.2	1.1	1.2
						1.0	0.2	234	26.1		8.2		30.3		93.6		6.4		11.3		12		83				<0.2		1.2	
					Middle	3.4	0.1	275	26.0	26.0	8.2	8.2	30.5	30.5	93.1	93.1	6.4		16.5		12		87				<0.2		1.2	
						3.4	0.1	276	26.0		8.2		30.5		93.1		6.4		16.5		12		88				<0.2		1.1	
					Bottom	5.8	0.1	273	26.0	26.0	8.2	8.2	30.7	30.7	93.5	93.5	6.4	6.4	25.5		11		90				<0.2		1.2	
						5.8	0.1	295	26.0		8.2		30.7		93.5		6.4		25.5		13		91				<0.2		1.2	
IM7	Fine	Moderate	11:31	7.2	Surface	1.0	0.1	285	26.3	26.3	8.2	8.2	29.1	29.1	92.1	92.1	6.3	6.3	5.6	8.7	12	10	82	87	821334	806826	<0.2	<0.2	1.2	1.2
						1.0	0.2	301	26.3		8.2		29.1		92.1		6.3		5.7		12		82				<0.2		1.2	
					Middle	3.6	0.1	237	26.0	26.0	8.2	8.2	29.8	29.8	91.3	91.3	6.3		9.7		9		86				<0.2		1.0	
						3.6	0.1	240	26.0		8.2		29.8		91.3		6.3		9.8		9		88				<0.2		1.2	
					Bottom	6.2	0.1	303	26.0	26.0	8.2	8.2	30.1	30.1	92.0	92.0	6.3	6.3	10.6		8		90				<0.2		1.2	
						6.2	0.1	319	26.0		8.2		30.1		92.0		6.3		10.6		10		91				<0.2		1.3	
IM8	Fine	Moderate	12:16	8.3	Surface	1.0	0.2	89	26.1	26.1	8.2	8.2	30.7	30.7	94.5	94.5	6.4	6.4	10.9	15.4	7	8	86	89	821811	808130	<0.2	<0.2	3.3	3.4
						1.0	0.2	95	26.1		8.2		30.7		94.5		6.4		11.0		6		85				<0.2		3.5	
					Middle	4.2	0.3	80	26.0	26.0	8.2	8.2	30.9	30.9	93.5	93.5	6.4		14.7		7		89				<0.2		3.4	
						4.2	0.3	83	26.0		8.2		30.9		93.5		6.4		14.6		8		89				<0.2		3.4	
					Bottom	7.3	0.3	77	26.0	26.0	8.2	8.2	30.9	30.9	93.6	93.6	6.4	6.4	20.5		10		93				<0.2		3.5	
						7.3	0.3	83	26.0		8.2		30.9		93.6		6.4		20.5		11		93				<0.2		3.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 October 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	12:23	7.8	Surface	1.0	0.4	94	26.2	26.2	8.2	8.2	30.5	30.5	95.2	95.2	6.5	6.5	6.3	9.8	8	10	85	89	822085	808811	<0.2	<0.2	3.4	3.3
						1.0	0.4	100	26.2		8.2		30.5		95.2		6.5		6.4		8		85				<0.2		3.2	
					Middle	3.9	0.4	85	26.0	26.0	8.2	8.2	31.0	31.0	94.8	94.8	6.5		10.5		11		88				<0.2		3.3	
						3.9	0.4	93	26.0		8.2		31.0		94.8		6.5		10.6		10		89				<0.2		3.3	
					Bottom	6.8	0.3	65	26.0	26.0	8.2	8.2	31.1	31.1	94.6	94.6	6.4	6.4	12.4		11		93				<0.2		3.4	
						6.8	0.3	66	26.0		8.2		31.1		94.6		6.4		12.4		10		92				<0.2		3.4	
IM10	Fine	Moderate	12:34	7.5	Surface	1.0	0.3	92	26.2	26.2	8.2	8.2	30.2	30.2	98.0	98.1	6.7	6.7	3.6	4.1	8	7	85	89	822381	809800	<0.2	<0.2	3.6	3.4
						1.0	0.3	96	26.2		8.2		30.2		98.1		6.7		3.6		7		84				<0.2		3.6	
					Middle	3.8	0.3	89	26.1	26.1	8.2	8.2	31.1	31.1	98.7	98.7	6.7		3.9		6		89				<0.2		3.4	
						3.8	0.4	95	26.1		8.2		31.1		98.7		6.7		3.9		6		90				<0.2		3.3	
					Bottom	6.5	0.3	85	26.0	26.0	8.2	8.2	31.3	31.3	97.9	97.9	6.7	6.7	4.8		7		93				<0.2		3.3	
						6.5	0.4	89	26.0		8.2		31.3		97.9		6.7		4.8		8		93				<0.2		3.4	
IM11	Fine	Moderate	12:46	7.8	Surface	1.0	0.3	111	26.1	26.1	8.2	8.2	30.7	30.7	97.5	97.5	6.6	6.6	5.1	7.5	6	5	85	89	822047	811465	<0.2	<0.2	3.4	3.4
						1.0	0.3	119	26.1		8.2		30.7		97.5		6.6		5.2		6		85				<0.2		3.4	
					Middle	3.9	0.3	99	26.0	26.0	8.2	8.2	31.0	31.0	95.3	95.3	6.5		9.0		6		89				<0.2		3.3	
						3.9	0.3	101	26.0		8.2		31.0		95.3		6.5		9.0		6		89				<0.2		3.4	
					Bottom	6.8	0.2	86	26.0	26.0	8.2	8.2	31.1	31.1	95.9	96.0	6.5	6.5	8.3		4		93				<0.2		3.5	
						6.8	0.2	91	26.0		8.2		31.1		96.0		6.5		8.3		4		92				<0.2		3.2	
IM12	Fine	Moderate	12:54	8.7	Surface	1.0	0.4	85	26.1	26.1	8.2	8.2	30.6	30.6	93.1	93.1	6.3	6.3	6.7	7.6	6	7	84	89	821482	812043	<0.2	<0.2	3.5	3.4
						1.0	0.5	86	26.1		8.2		30.6		93.0		6.3		6.7		5		85				<0.2		3.5	
					Middle	4.4	0.4	90	26.1	26.1	8.2	8.2	30.6	30.6	92.8	92.8	6.3		7.7		7		88				<0.2		3.4	
						4.4	0.4	96	26.1		8.2		30.6		92.8		6.3		7.7		6		89				<0.2		3.3	
					Bottom	7.7	0.3	88	26.0	26.0	8.2	8.2	30.7	30.7	93.0	93.0	6.3	6.3	8.5		7		92				<0.2		3.3	
						7.7	0.3	96	26.0		8.2		30.7		93.0		6.3		8.5		8		93				<0.2		3.2	
SR1A	Fine	Moderate	13:49	7.1	Surface	1.0	-	-	26.2	26.2	8.2	8.2	29.1	29.1	101.0	101.0	6.9	6.9	2.0	2.4	3	5	-	-	820065	812589	-	-	-	-
						1.0	-	-	26.2		8.2		29.1		101.0		6.9		2.1		4		-				-		-	
					Middle	3.6	-	-	26.0	26.0	8.2	8.2	30.1	30.1	101.2	101.2	-		2.2		5		-				-		-	
						3.6	-	-	26.0		8.2		30.1		101.2		-		2.2		4		-				-		-	
					Bottom	6.1	-	-	26.0	26.0	8.3	8.2	31.4	31.4	101.0	101.0	6.9	6.9	3.0		6		-				-		-	
						6.1	-	-	26.0		8.2		31.4		101.0		6.9		3.1		5		-				-		-	
SR2	Fine	Moderate	13:49	4.8	Surface	1.0	0.4	84	26.2	26.2	8.2	8.2	30.5	30.5	95.3	95.3	6.5	6.5	4.1	5.0	6	7	85	87	821465	814157	<0.2	<0.2	3.6	3.5
						1.0	0.4	90	26.2		8.2		30.5		95.2		6.5		4.1		6		85				<0.2		3.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	91	26.1	26.1	8.2	8.2	30.7	30.7	94.3	94.4	6.4	6.4	5.9		7		88				<0.2		3.4	
						3.8	0.2	91	26.1		8.2		30.7		94.4		6.4		5.9		7		88				<0.2		3.5	
SR3	Fine	Moderate	12:09	9.8	Surface	1.0	0.3	160	26.1	26.1	8.2	8.2	30.3	30.3	93.7	93.7	6.4	6.4	11.1	18.4	7	16	-	-	822134	807590	-	-	-	-
						1.0	0.3	172	26.1		8.2		30.3		93.7		6.4		11.2		7		-				-		-	
					Middle	4.9	0.3	111	26.0	26.0	8.2	8.2	30.5	30.5	93.0	93.0	6.4		18.2		15		-				-		-	
						4.9	0.3	117	26.0		8.2		30.5		92.9		6.4		18.2		17		-				-		-	
					Bottom	8.8	0.4	77	26.0	26.0	8.2	8.2	30.7	30.7	92.9	92.9	6.3	6.3	25.9		25		-				-		-	
						8.8	0.4	81	26.0		8.2		30.7		92.9		6.3		25.9		27		-				-		-	
SR4A	Fine	Calm	13:07	9.5	Surface	1.0	0.2	79	26.2	26.2	8.2	8.2	30.5	30.5	95.2	95.2	6.5	6.5	4.3	7.3	12	10	-	-	817193	807792	-	-	-	-
						1.0	0.2	80	26.2		8.2		30.5		95.1		6.5		4.4		13		-				-		-	
					Middle	4.8	0.1	84	26.1	26.1	8.2	8.2	30.8	30.8	93.5	93.5	-		8.3		9		-				-		-	
						4.8	0.1	89	26.1		8.2		30.8		93.5		-		8.4		9		-				-		-	
					Bottom	8.5	0.1	65	26.1	26.1	8.2	8.2	30.9	30.9	93.7	93.7	6.4	6.4	9.3		8		-				-		-	
						8.5	0.1	65	26.1		8.2		30.9		93.7		6.4		9.2		8		-				-		-	
SR5A	Fine	Calm	13:23	5.7	Surface	1.0	0.2	59	26.4	26.4	8.2	8.2	30.2	30.1	94.9	94.9	6.5	6.5	3.8	4.2	7	7	-	-	816578	810719	-	-	-	-
						1.0	0.2	59	26.4		8.2		30.1		94.9		6.5		3.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.1	152	26.3	26.3	8.2	8.2	30.4	30.4	95.1	95.1	6.5	6.5	4.6		8		-				-		-	
						4.7	0.1	153	26.3		8.2		30.4		95.1		6.5		4.6		8		-				-		-	
SR6	Fine	Calm	13:55	4.7	Surface	1.0	0.1	44	26.4	26.4	8.2	8.2	29.6	29.5	92.8	92.8	6.3	6.3	3.8	4.6	7	7	-	-	817882	814658	-	-	-	-
						1.0	0.1	48	26.4		8.2		29.5		92.8		6.3		3.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	62	26.3	26.3	8.2	8.2	29.8	29.8	92.5	92.5	6.3	6.3	5.3		8		-				-		-	
						3.7	0.2	62	26.3		8.2		29.8		92.5		6.3		5.4		7		-				-		-	
SR7	Fine	Moderate	14:37	18.6	Surface	1.0	0.7	74	26.4	26.4	8.2	8.2	29.6	29.6	92.6	92.6	6.3	6.3	3.6	3.8	5	5	-	-	823614	823763	-	-	-	-
						1.0	0.7	78	26.4		8.2		29.6		92.6		6.3		3.6		5		-				-		-	
					Middle	9.3	0.6	86	26.4	26.4	8.2	8.2	29.7	29.7	92.2	92.2	-		3.7		4		-				-		-	
						9.3	0.7	88	26.4		8.2		29.7		92.2		-		3.7		4		-				-		-	
					Bottom	17.6	0.2	146	26.2	26.2	8.2	8.2	29.9	29.9	91.7	91.8	6.3	6.3	4.2		6		-				-		-	
						17.6	0.2	156	26.2		8.2		29.9		91.8		6.3		4.2		5		-				-		-	
SR8	Fine	Moderate	13:21	3.9	Surface	1.0	-	-	26.1	26.1	8.2	8.2	29.2	29.2	101.0	101.0	6.9	6.9	2.7	2.5	6	6	-	-	820488	811683	-	-	-	-
						1.0	-	-	26.1		8.2		29.2		101.0		6.9		2.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	26.0	26.0	8.2	8.2	30.6	30.6	100.9	100.9	6.9	6.9	2.2		6		-				-		-	
						2.9	-	-	26.0		8.2		30.6		100.9		6.9		2.2		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 October 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	07:34	9.5	Surface	1.0	0.4	32	26.0	26.0	8.2	8.2	29.6	29.6	96.5	96.6	6.6	6.7	4.2	11.9	6	12	83	91	815613	804255	<0.2	<0.2	3.3	3.3
						1.0	0.5	35	26.0		8.2		29.6		96.6		6.6		4.2		5		84				<0.2		3.4	
					Middle	4.8	0.3	37	26.0	26.0	8.2	8.2	31.3	31.3	99.8	99.9	6.8		13.7		8		91				<0.2		3.4	
						4.8	0.3	38	26.0		8.2		31.3		99.9		6.8		13.8		8		94				<0.2		3.2	
					Bottom	8.5	0.3	18	26.0	26.0	8.3	8.3	31.9	31.9	100.7	100.7	6.8	6.8	17.6		22		96				<0.2		3.3	
						8.5	0.3	19	26.0		8.3		31.9		100.6		6.8		17.9		24		97				<0.2		3.3	
C2	Cloudy	Moderate	08:36	11.2	Surface	1.0	0.2	344	26.3	26.3	8.2	8.2	29.1	29.1	92.0	92.0	6.3	6.3	5.1	8.2	14	9	88	92	825682	806960	<0.2	<0.2	3.4	3.3
						1.0	0.2	316	26.3		8.2		29.1		92.0		6.3		5.1		16		88				<0.2		3.5	
					Middle	5.6	0.4	32	26.1	26.1	8.2	8.2	29.5	29.5	90.9	90.9	6.2		8.6		6		92				<0.2		3.2	
						5.6	0.4	33	26.1		8.2		29.5		90.9		6.2		8.6		6		92				<0.2		3.1	
					Bottom	10.2	0.3	27	26.0	26.0	8.2	8.2	30.0	30.0	90.8	90.8	6.2	6.2	11.0		7		96				<0.2		3.4	
						10.2	0.3	29	26.0		8.2		30.0		90.8		6.2		10.9		7		95				<0.2		3.2	
C3	Cloudy	Moderate	06:16	10.6	Surface	1.0	0.7	242	26.0	26.0	8.2	8.2	30.0	30.0	91.7	91.7	6.3	6.3	2.8	4.7	4	5	87	91	822128	817806	<0.2	<0.2	3.5	3.4
						1.0	0.7	251	26.0		8.2		30.0		91.7		6.3		2.8		4		87				<0.2		3.3	
					Middle	5.3	0.8	240	26.0	26.0	8.2	8.2	30.0	30.0	91.3	91.3	6.3		3.8		4		91				<0.2		3.1	
						5.3	0.8	244	26.0		8.2		30.0		91.3		6.3		3.9		4		91				<0.2		3.8	
					Bottom	9.6	0.4	255	26.0	26.0	8.2	8.2	30.0	30.0	91.3	91.3	6.3	6.3	7.2		6		95				<0.2		3.5	
						9.6	0.4	264	26.0		8.2		30.0		91.3		6.3		7.5		5		94				<0.2		3.0	
IM1	Cloudy	Moderate	07:53	5.7	Surface	1.0	0.1	331	26.0	26.0	8.2	8.2	30.4	30.4	92.2	92.2	6.3	6.3	10.9	13.9	8	7	84	86	817971	807151	<0.2	<0.2	3.0	3.2
						1.0	0.1	354	26.0		8.2		30.4		92.2		6.3		11.0		7		85				<0.2		3.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.2	24	26.0	26.0	8.2	8.2	30.7	30.7	93.3	93.4	6.4	6.4	16.9		7		88				<0.2		3.3	
						4.7	0.2	25	26.0		8.2		30.7		93.4		6.4		16.9		7		88				<0.2		3.3	
IM2	Cloudy	Moderate	08:01	8.0	Surface	1.0	0.3	48	26.0	26.0	8.2	8.2	30.8	30.8	95.9	95.9	6.5	6.5	9.3	15.7	7	8	84	88	818165	806177	<0.2	<0.2	2.9	3.3
						1.0	0.3	50	26.0		8.2		30.8		95.9		6.5		9.3		6		85				<0.2		2.9	
					Middle	4.0	0.3	29	26.0	26.0	8.2	8.2	31.0	31.0	95.0	95.0	6.5		17.1		8		88				<0.2		3.6	
						4.0	0.3	29	26.0		8.2		31.0		95.0		6.5		17.0		8		89				<0.2		3.8	
					Bottom	7.0	0.2	23	26.0	26.0	8.2	8.2	31.1	31.1	95.1	95.2	6.5	6.5	20.9		11		92				<0.2		3.2	
						7.0	0.2	23	26.0		8.2		31.1		95.2		6.5		20.8		10		92				<0.2		3.3	
IM3	Cloudy	Moderate	08:09	8.2	Surface	1.0	0.3	42	26.1	26.1	8.2	8.2	30.8	30.8	95.8	95.8	6.5	6.5	12.3	16.2	16	12	85	89	818791	805584	<0.2	<0.2	1.7	2.0
						1.0	0.3	44	26.1		8.2		30.8		95.8		6.5		12.6		16		86				<0.2		3.2	
					Middle	4.1	0.2	32	26.0	26.0	8.2	8.2	31.0	31.0	95.0	95.0	6.5		15.2		12		88				<0.2		1.8	
						4.1	0.2	32	26.0		8.2		31.0		95.0		6.5		15.0		12		88				<0.2		1.8	
					Bottom	7.2	0.1	35	26.0	26.0	8.2	8.2	31.1	31.1	94.6	94.7	6.5	6.5	20.8		8		92				<0.2		1.9	
						7.2	0.1	37	26.0		8.2		31.1		94.7		6.5		21.0		8		92				<0.2		1.8	
IM4	Cloudy	Moderate	08:20	8.2	Surface	1.0	0.3	1	26.1	26.1	8.2	8.2	30.7	30.7	95.1	95.1	6.5	6.5	9.2	15.2	9	8	84	88	819710	804608	<0.2	<0.2	2.9	2.8
						1.0	0.4	1	26.1		8.2		30.7		95.1		6.5		9.2		8		84				<0.2		2.2	
					Middle	4.1	0.3	339	26.0	26.0	8.2	8.2	30.9	30.9	93.7	93.7	6.4		13.4		8		88				<0.2		2.0	
						4.1	0.3	341	26.0		8.2		30.9		93.7		6.4		13.6		8		89				<0.2		3.6	
					Bottom	7.2	0.2	337	26.0	26.0	8.2	8.2	30.9	30.9	93.7	93.7	6.4	6.4	22.7		6		92				<0.2		3.5	
						7.2	0.2	310	26.0		8.2		30.9		93.7		6.4		22.9		6		93				<0.2		2.5	
IM5	Cloudy	Moderate	08:29	7.6	Surface	1.0	0.3	354	26.2	26.2	8.2	8.2	30.6	30.6	94.8	94.8	6.5	6.5	9.9	16.2	7	7	85	89	820712	804858	<0.2	<0.2	3.5	3.2
						1.0	0.3	326	26.2		8.2		30.6		94.8		6.5		10.1		7		85				<0.2		3.3	
					Middle	3.8	0.3	350	26.1	26.1	8.2	8.2	30.7	30.7	93.9	93.9	6.4		16.3		5		88				<0.2		3.5	
						3.8	0.3	322	26.1		8.2		30.7		93.9		6.4		16.5		6		90				<0.2		3.4	
					Bottom	6.6	0.2	350	26.0	26.0	8.2	8.2	30.8	30.8	93.6	93.6	6.4	6.4	22.3		7		91				<0.2		3.3	
						6.6	0.2	359	26.0		8.2		30.8		93.6		6.4		22.3		8		93				<0.2		1.9	
IM6	Cloudy	Moderate	08:37	7.7	Surface	1.0	0.0	36	26.1	26.1	8.2	8.2	30.2	30.2	93.3	93.3	6.4	6.4	10.7	16.5	9	9	86	89	821070	805823	<0.2	<0.2	2.1	1.9
						1.0	0.0	39	26.1		8.2		30.2		93.3		6.4		10.8		9		86				<0.2		1.8	
					Middle	3.9	0.1	8	26.0	26.0	8.2	8.2	30.6	30.6	93.0	93.0	6.4		17.2		7		89				<0.2		1.9	
						3.9	0.1	8	26.0		8.2		30.6		93.0		6.4		17.2		8		89				<0.2		1.9	
					Bottom	6.7	0.0	236	26.0	26.0	8.2	8.2	30.6	30.6	93.3	93.3	6.4	6.4	21.6		9		92				<0.2		1.9	
						6.7	0.0	239	26.0		8.2		30.6		93.3		6.4		21.5		9		93				<0.2		1.8	
IM7	Cloudy	Moderate	08:47	8.7	Surface	1.0	0.1	228	26.3	26.3	8.2	8.2	29.1	29.1	92.1	92.1	6.3	6.3	5.2	8.9	8	9	85	91	821359	806820	<0.2	<0.2	1.8	2.1
						1.0	0.1	241	26.3		8.2		29.1		92.1		6.3		5.2		8		85				<0.2		1.8	
					Middle	4.4	0.0	211	26.1	26.1	8.2	8.2	29.4	29.4	91.1	91.1	6.3		8.3		10		92				<0.2		1.8	
						4.4	0.0	230	26.1		8.2		29.4		91.1		6.3		8.4		10		92				<0.2		1.8	
					Bottom	7.7	0.1	8	26.0	26.0	8.2	8.2	30.1	30.1	91.8	91.9	6.3	6.3	13.2		11		95				<0.2		3.6	
						7.7	0.1	8	26.0		8.2		30.1		91.9		6.3		13.3		9		95				<0.2		1.9	
IM8	Cloudy	Moderate	08:05	7.9	Surface	1.0	0.2	88	26.2	26.2	8.2	8.2	30.6	30.6	94.9	94.9	6.5	6.5	11.3	16.5	8	9	87	92	821813	808162	<0.2	<0.2	2.0	2.0
						1.0	0.2	94	26.2		8.2		30.6		94.9		6.5		10.7		9		88				<0.2		2.0	
					Middle	4.0	0.4	54	26.1	26.1	8.2	8.2	30.7	30.7	94.0	94.0	6.4		16.2		8		92				<0.2		1.9	
						4.0	0.4	56	26.1		8.2		30.7		94.0		6.4		16.5		9		91				<0.2		1.8	
					Bottom	6.9	0.4	40	26.0	26.0	8.2	8.2	30.8	30.8	93.5	93.5	6.4	6.4	22.1		9		96				<0.2		2.1	
						6.9	0.5	43	26.0		8.2		30.8		93.5		6.4		22.0		9		96				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 October 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	07:56	7.6	Surface	1.0	0.4	46	26.1	26.1	8.2	8.2	30.7	30.7	95.0	95.0	6.5	6.5	9.7	15.3	9	11	88	92	822108	808816	<0.2	<0.2	1.8	1.8
						1.0	0.4	48	26.1		8.2		30.7		95.0		6.5		9.8		9		87				<0.2		1.8	
					Middle	3.8	0.4	50	26.0	26.0	8.2	8.2	30.9	30.9	93.6	93.6	6.4		15.6		12		92				<0.2		1.8	
						3.8	0.4	50	26.0		8.2		30.9		93.6		6.4		15.7		11		91				<0.2		1.9	
					Bottom	6.6	0.5	12	26.0	26.0	8.2	8.2	30.9	30.9	93.5	93.5	6.4	6.4	20.3		11		96				<0.2		1.9	
						6.6	0.5	12	26.0		8.2		30.9		93.5		6.4		20.5		11		96				<0.2		1.8	
IM10	Cloudy	Moderate	07:47	8.2	Surface	1.0	0.4	327	26.2	26.2	8.2	8.2	30.3	30.3	96.2	96.2	6.6	6.6	8.9	13.8	11	10	88	92	822361	809775	<0.2	<0.2	1.8	1.8
						1.0	0.4	331	26.2		8.2		30.3		96.2		6.6		9.0		10		88				<0.2		1.8	
					Middle	4.1	0.4	341	26.0	26.0	8.2	8.2	31.0	31.0	94.7	94.7	6.5		12.8		10		92				<0.2		1.8	
						4.1	0.4	314	26.0		8.2		31.0		94.7		6.5		12.6		10		91				<0.2		1.9	
					Bottom	7.2	0.3	340	26.0	26.0	8.2	8.2	31.1	31.1	94.5	94.5	6.4	6.4	19.8		9		95				<0.2		1.8	
						7.2	0.3	358	26.0		8.2		31.1		94.5		6.4		19.8		11		96				<0.2		1.9	
IM11	Cloudy	Moderate	07:36	7.8	Surface	1.0	0.2	300	26.0	26.0	8.2	8.2	30.7	30.7	96.2	96.2	6.6	6.6	7.5	13.3	8	8	87	91	822052	811446	<0.2	<0.2	1.8	1.9
						1.0	0.2	324	26.0		8.2		30.7		96.2		6.6		7.5		9		88				<0.2		1.9	
					Middle	3.9	0.4	43	26.0	26.0	8.2	8.2	31.0	31.0	95.1	95.1	6.5		15.5		6		91				<0.2		1.8	
						3.9	0.4	44	26.0		8.2		31.0		95.1		6.5		15.7		6		92				<0.2		2.0	
					Bottom	6.8	0.4	90	26.0	26.0	8.2	8.2	31.1	31.1	95.0	95.0	6.5	6.5	17.1		9		95				<0.2		2.0	
						6.8	0.5	92	26.0		8.2		31.1		95.0		6.5		16.7		8		95				<0.2		2.0	
IM12	Cloudy	Moderate	07:28	8.9	Surface	1.0	0.7	265	26.0	26.0	8.2	8.2	30.5	30.5	91.9	92.0	6.3	6.3	10.3	13.1	14	13	88	92	821452	812029	<0.2	<0.2	1.8	1.9
						1.0	0.8	275	26.0		8.2		30.5		92.0		6.3		10.4		13		87				<0.2		2.0	
					Middle	4.5	0.6	260	26.0	26.0	8.2	8.2	30.6	30.6	92.3	92.3	-		14.6		12		92				<0.2		1.8	
						4.5	0.7	271	26.0		8.2		30.6		92.3		-		14.7		13		92				<0.2		1.9	
					Bottom	7.9	0.5	262	26.0	26.0	8.2	8.2	30.8	30.8	92.2	92.2	6.3	6.3	14.4		12		96				<0.2			
						7.9	0.5	265	26.0		8.2		30.8		92.2		6.3		14.2		13		96				<0.2		1.8	
SR1A	Cloudy	Moderate	06:50	7.2	Surface	1.0	-	-	26.0	26.0	8.2	8.2	29.5	29.5	97.2	97.3	6.7	6.7	5.1	9.5	6	5	-	-	820063	812584	-	-	2.0	-
						1.0	-	-	26.0		8.2		29.5		97.3		6.7		5.2		6		-				-		1.8	
					Middle	3.6	-	-	26.0	26.0	8.2	8.2	31.0	31.0	98.9	98.9	6.7		10.7		5		-				-		-	
						3.6	-	-	26.0		8.2		31.0		98.9		6.7		10.9		5		-				-		-	
					Bottom	6.2	-	-	26.0	26.0	8.2	8.2	31.7	31.7	99.3	99.3	6.7	6.7	12.5		3		-				-		-	
						6.2	-	-	26.0		8.2		31.7		99.3		6.7		12.6		3		-				-		-	
SR2	Cloudy	Moderate	06:36	4.8	Surface	1.0	0.3	65	26.0	26.0	8.2	8.2	30.7	30.7	92.7	92.7	6.3	6.3	17.4	19.9	18	19	87	90	821457	814147	<0.2	<0.2	1.9	2.0
						1.0	0.3	68	26.0		8.2		30.7		92.7		6.3		17.6		18		87				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	40	26.0	26.0	8.2	8.2	30.7	30.7	92.6	92.6	6.3	6.3	22.4		18		92				<0.2		2.0	
						3.8	0.3	42	26.0		8.2		30.7		92.6		6.3		22.3		21		92				<0.2		1.9	
SR3	Cloudy	Moderate	08:14	8.2	Surface	1.0	0.2	33	26.1	26.1	8.2	8.2	30.2	30.2	93.3	93.3	6.4	6.4	11.1	16.7	10	12	-	-	822125	807551	-	-	-	-
						1.0	0.2	33	26.1		8.2		30.2		93.3		6.4		11.2		11		-				-		-	
					Middle	4.1	0.6	51	26.0	26.0	8.2	8.2	30.5	30.5	92.9	92.9	-		15.7		12		-				-		-	
						4.1	0.6	55	26.0		8.2		30.5		92.9		-		15.8		14		-				-		-	
					Bottom	7.2	0.5	64	26.0	26.0	8.2	8.2	30.6	30.6	92.9	92.9	6.3	6.3	23.1		14		-				-		-	
						7.2	0.5	69	26.0		8.2		30.6		92.9		6.3		23.1		13		-				-		-	
SR4A	Cloudy	Calm	07:10	10.0	Surface	1.0	0.5	55	26.0	26.0	8.2	8.2	30.7	30.7	92.8	92.8	6.3	6.3	10.3	16.5	17	16	-	-	817210	807809	-	-	-	-
						1.0	0.5	55	26.0		8.2		30.7		92.8		6.3		10.3		15		-				-		-	
					Middle	5.0	0.5	55	26.0	26.0	8.2	8.2	30.7	30.7	92.5	92.5	-		15.5		16		-				-		-	
						5.0	0.5	55	26.0		8.2		30.7		92.5		-		15.6		16		-				-		-	
					Bottom	9.0	0.3	60	26.0	26.0	8.2	8.2	30.7	30.7	92.5	92.6	6.3	6.3	23.6		17		-				-		-	
						9.0	0.4	64	26.0		8.2		30.7		92.6		6.3		23.9		17		-				-		-	
SR5A	Cloudy	Calm	06:51	5.0	Surface	1.0	0.2	128	26.0	26.0	8.2	8.2	30.0	30.0	91.8	91.8	6.3	6.3	2.6	3.0	4	4	-	-	816604	810715	-	-	-	-
						1.0	0.2	128	26.0		8.2		30.0		91.8		6.3		2.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	138	26.0	26.0	8.2	8.2	30.0	30.0	92.0	92.0	6.3	6.3	3.4		4		-				-		-	
						4.0	0.2	141	26.0		8.2		30.0		92.0		6.3		3.5		4		-				-		-	
SR6	Cloudy	Calm	06:26	4.7	Surface	1.0	0.1	230	26.1	26.1	8.1	8.1	29.7	29.7	90.3	90.3	6.2	6.2	2.6	3.5	4	4	-	-	817876	814660	-	-	-	-
						1.0	0.1	231	26.1		8.1		29.7		90.3		6.2		2.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	253	26.1	26.1	8.1	8.1	29.9	29.9	90.1	90.2	6.2	6.2	4.4		3		-				-		-	
						3.7	0.1	265	26.1		8.1		29.9		90.2		6.2		4.4		3		-				-		-	
SR7	Cloudy	Moderate	05:50	14.9	Surface	1.0	0.1	166	26.1	26.1	8.2	8.2	29.7	29.7	90.3	90.3	6.2	6.2	2.5	6.2	4	6	-	-	823657	823752	-	-	-	-
						1.0	0.1	180	26.1		8.2		29.7		90.2		6.2		2.5		4		-				-		-	
					Middle	7.5	0.2	122	26.1	26.1	8.2	8.2	29.8	29.8	90.0	90.0	6.2		4.6		5		-				-		-	
						7.5	0.2	127	26.1		8.2		29.8		90.0		6.2		4.7		6		-				-		-	
					Bottom	13.9	0.2	139	26.1	26.1	8.2	8.2	29.8	29.8	89.9	89.9	6.2	6.2	11.4		10		-				-		-	
						13.9	0.2	142	26.1		8.2		29.8		89.9		6.2		11.7		9		-				-		-	
SR8	Cloudy	Moderate	07:18	5.2	Surface	1.0	-	-	26.0	26.0	8.2	8.2	29.6	29.6	97.1	97.2	6.7	6.7	4.5	5.8	4	11	-	-	820492	811637	-	-	-	-
						1.0	-	-	26.0		8.2		29.6		97.2		6.7		4.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	26.0	26.0	8.2	8.2	31.0	31.0	97.5	97.5	6.6	6.6	7.1		18		-				-		-	
						4.2	-	-	26.0		8.2		31.0		97.5		6.6		7.1		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 27 October 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	14:01	8.8	Surface	1.0	0.2	174	26.1	26.1	8.1	8.1	28.5	28.5	100.4	100.4	6.9	6.9	1.5	2.3	2	2	79	85	815621	804269	<0.2	<0.2	2.0	1.8
						1.0	0.2	180	26.1		8.1		28.5		100.3		6.9		1.5		2		78				<0.2		1.9	
					Middle	4.4	0.1	157	25.9	25.9	8.2	8.2	29.7	29.7	99.5	99.5	6.8		2.5		2		86				<0.2		1.8	
						4.4	0.1	160	25.9		8.2		29.8		99.4		6.8		2.8		2		88				<0.2		1.7	
					Bottom	7.8	0.0	130	25.9	25.9	8.1	8.1	29.7	29.7	99.5	99.6	6.8	6.9	2.9		2		87				<0.2		1.8	
						7.8	0.0	130	25.9		8.1		29.6		99.6		6.9		2.7		3		89				<0.2		1.3	
C2	Cloudy	Moderate	12:49	11.4	Surface	1.0	0.2	155	26.2	26.2	8.1	8.1	27.3	27.4	90.5	90.5	6.3	6.3	5.0	6.5	6	5	83	86	825668	806932	<0.2	<0.2	2.1	2.2
						1.0	0.3	159	26.2		8.1		27.4		90.4		6.3		5.0		5		84				<0.2		2.0	
					Middle	5.7	0.1	210	26.1	26.1	8.1	8.1	27.8	27.8	90.6	90.7	6.3		7.1		5		87				<0.2		2.3	
						5.7	0.1	212	26.1		8.1		27.8		90.8		6.3		7.3		5		86				<0.2		2.2	
					Bottom	10.4	0.0	153	26.1	26.1	8.1	8.1	27.8	27.8	91.7	91.8	6.4	6.4	7.5		5		89				<0.2		2.3	
						10.4	0.0	161	26.1		8.1		27.8		91.9		6.4		7.4		5		89				<0.2		2.3	
C3	Cloudy	Moderate	14:39	12.2	Surface	1.0	0.5	60	26.3	26.3	8.1	8.1	29.1	29.1	93.9	93.9	6.4	6.4	3.5	4.4	4	3	79	85	822087	817818	<0.2	<0.2	2.2	2.1
						1.0	0.5	64	26.3		8.1		29.1		93.8		6.4		3.3		3		77				<0.2		2.3	
					Middle	6.1	0.4	112	26.3	26.3	8.1	8.1	29.2	29.2	93.6	93.7	6.4		3.6		3		90				<0.2		2.3	
						6.1	0.4	113	26.3		8.1		29.2		93.7		6.4		3.7		3		91				<0.2		1.9	
					Bottom	11.2	0.3	66	26.3	26.3	8.1	8.1	29.2	29.2	93.9	93.9	6.4	6.4	6.3		3		88				<0.2		2.0	
						11.2	0.3	67	26.3		8.1		29.2		93.9		6.4		6.3		3		87				<0.2		1.8	
IM1	Cloudy	Moderate	13:37	5.2	Surface	1.0	0.1	214	26.1	26.1	8.1	8.1	28.7	28.7	94.5	94.5	6.5	6.5	4.2	4.3	3	3	88	88	817951	807130	<0.2	<0.2	2.0	2.0
						1.0	0.1	243	26.1		8.1		28.7		94.5		6.5		4.3		3		85				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	209	26.2	26.2	8.1	8.1	28.7	28.7	94.5	94.6	6.5	6.5	4.4		3		89				<0.2		2.0	
						4.2	0.1	238	26.2		8.1		28.7		94.6		6.5		4.4		3		91				<0.2		2.1	
IM2	Cloudy	Moderate	13:30	7.6	Surface	1.0	0.3	172	26.1	26.1	8.1	8.1	28.8	28.9	96.7	96.6	6.7	6.6	3.0	6.8	5	4	83	86	818160	806164	<0.2	<0.2	1.8	1.9
						1.0	0.3	175	26.1		8.1		28.9		96.5		6.6		3.3		5		82				<0.2		2.0	
					Middle	3.8	0.2	237	26.0	26.0	8.1	8.1	29.2	29.2	95.4	95.4	6.6		4.6		4		88				<0.2		1.8	
						3.8	0.2	239	26.0		8.1		29.2		95.4		6.6		4.8		4		87				<0.2		1.8	
					Bottom	6.6	0.0	216	26.1	26.1	8.1	8.1	29.0	29.0	97.1	97.2	6.7	6.7	12.4		3		87				<0.2		1.9	
						6.6	0.0	216	26.1		8.1		28.9		97.2		6.7		12.4		3		87				<0.2		1.9	
IM3	Cloudy	Moderate	13:24	7.9	Surface	1.0	0.3	144	26.1	26.1	8.1	8.1	28.6	28.6	97.8	97.8	6.8	6.7	2.4	7.8	4	3	79	84	818789	805608	<0.2	<0.2	1.8	1.9
						1.0	0.3	144	26.0		8.1		28.6		97.7		6.7		2.7		4		79				<0.2		2.0	
					Middle	4.0	0.2	215	26.0	26.0	8.1	8.1	29.7	29.7	96.4	96.4	6.6		6.9		3		86				<0.2		1.8	
						4.0	0.3	215	26.0		8.1		29.7		96.4		6.6		7.3		3		85				<0.2		2.0	
					Bottom	6.9	0.2	232	26.0	26.0	8.1	8.1	29.4	29.4	97.2	97.3	6.7	6.7	13.8		3		87				<0.2		2.0	
						6.9	0.2	234	26.0		8.1		29.3		97.4		6.7		13.8		2		89				<0.2		1.9	
IM4	Cloudy	Moderate	13:16	7.7	Surface	1.0	0.2	29	26.2	26.2	8.1	8.1	28.9	28.9	97.2	97.2	6.7	6.7	4.3	7.1	6	6	82	84	819721	804592	<0.2	<0.2	2.1	2.0
						1.0	0.2	30	26.2		8.1		28.9		97.1		6.7		4.2		6		81				<0.2		2.0	
					Middle	3.9	0.2	8	26.0	26.0	8.1	8.1	29.6	29.6	96.1	96.1	6.6		4.3		6		85				<0.2		1.9	
						3.9	0.2	8	26.0		8.1		29.7		96.1		6.6		4.2		6		85				<0.2		1.9	
					Bottom	6.7	0.2	340	26.1	26.1	8.1	8.1	29.5	29.4	96.5	96.6	6.6	6.6	12.9		6		87				<0.2		2.0	
						6.7	0.2	313	26.1		8.1		29.3		96.6		6.6		12.9		7		86				<0.2		2.0	
IM5	Cloudy	Moderate	13:08	8.1	Surface	1.0	0.3	207	26.1	26.1	8.1	8.1	28.5	28.5	94.7	94.7	6.5	6.5	6.3	11.8	6	7	86	89	820738	804859	<0.2	<0.2	1.8	1.6
						1.0	0.3	207	26.1		8.1		28.5		94.6		6.5		6.3		6		86				<0.2		1.6	
					Middle	4.1	0.3	219	26.1	26.1	8.1	8.1	28.6	28.6	94.3	94.3	6.5		12.3		7		89				<0.2		1.6	
						4.1	0.3	220	26.1		8.1		28.6		94.3		6.5		12.3		8		89				<0.2		1.5	
					Bottom	7.1	0.4	215	26.1	26.1	8.1	8.1	28.6	28.6	94.8	94.9	6.5	6.5	16.8		9		91				<0.2		1.4	
						7.1	0.4	216	26.1		8.1		28.6		94.9		6.5		16.8		8		90				<0.2		1.5	
IM6	Cloudy	Moderate	13:01	8.0	Surface	1.0	0.1	279	26.1	26.1	8.1	8.1	28.2	28.2	93.0	93.0	6.4	6.4	11.1	9.3	12	11	79	84	821060	805850	<0.2	<0.2	1.8	1.8
						1.0	0.1	287	26.1		8.1		28.2		93.0		6.4		11.1		13		78				<0.2		1.7	
					Middle	4.0	0.1	153	26.1	26.1	8.1	8.1	28.2	28.2	93.3	93.3	6.4		8.6		11		85				<0.2		1.8	
						4.0	0.1	154	26.1		8.1		28.2		93.3		6.4		8.8		10		85				<0.2		1.6	
					Bottom	7.0	0.1	226	26.1	26.1	8.1	8.1	28.2	28.2	93.1	93.1	6.4	6.4	8.1		9		89				<0.2		1.8	
						7.0	0.1	226	26.1		8.1		28.2		93.1		6.4		8.1		9		89				<0.2		1.9	
IM7	Cloudy	Moderate	12:50	8.1	Surface	1.0	0.2	221	26.2	26.2	8.1	8.1	27.3	27.3	90.4	90.4	6.3	6.3	4.6	6.0	5	5	77	85	821349	806831	<0.2	<0.2	1.8	1.7
						1.0	0.2	243	26.2		8.1		27.3		90.3		6.3		4.8		4		78				<0.2		1.9	
					Middle	4.1	0.1	212	26.1	26.1	8.1	8.1	27.8	27.8	89.7	89.7	6.2		7.4		5		86				<0.2		1.7	
						4.1	0.1	230	26.1		8.1		27.8		89.7		6.2		7.4		6		88				<0.2		1.7	
					Bottom	7.1	0.1	220	26.1	26.1	8.1	8.1	27.6	27.6	90.3	90.4	6.3	6.3	6.2		6		89				<0.2		1.6	
						7.1	0.1	241	26.1		8.1		27.5		90.4		6.3		5.8		6		89				<0.2		1.6	
IM8	Cloudy	Moderate	13:28	8.3	Surface	1.0	0.2	122	26.1	26.1	8.1	8.1	28.5	28.5	95.0	95.0	6.6	6.5	4.7	10.5	7	6	86	88	821827	808141	<0.2	<0.2	1.8	1.8
						1.0	0.2	123	26.1		8.1		28.5		94.9		6.5		4.7		7		87				<0.2		1.9	
					Middle	4.2	0.3	76	26.1	26.1	8.1	8.1	28.6	28.6	94.5	94.5	6.5		11.4		6		89				<0.2		1.8	
						4.2	0.3	82	26.1		8.1		28.7		94.5		6.5		11.4		6		88				<0.2		1.9	
					Bottom	7.3	0.3	100	26.1	26.1	8.1	8.1	28.7	28.7	95.2	95.3	6.6	6.6	15.4		6		89				<0.2		1.7	
						7.3	0.3	100	26.1		8.1		28.7		95.4		6.6		15.4		5		91				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 October 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	13:35	7.6	Surface	1.0	0.5	102	26.2	26.2	8.1	8.1	29.1	29.0	96.9	97.1	6.7	6.7	4.1	7.5	7	7	86	88	822070	808802	<0.2	<0.2	1.6	1.6
						1.0	0.5	106	26.2		8.1		28.9		97.2		6.7		4.1		7		85				<0.2		1.5	
					Middle	3.8	0.5	80	26.0	26.0	8.1	8.1	29.6	29.6	96.1	96.1	6.6		4.6		7		88				<0.2		1.5	
						3.8	0.5	80	26.0		8.1		29.6		96.1		6.6		4.6		7		87				<0.2		1.6	
					Bottom	6.6	0.4	92	26.0	26.0	8.1	8.1	29.6	29.6	96.4	96.5	6.6	6.6	13.7		6		89				<0.2		1.6	
						6.6	0.4	100	26.0		8.1		29.6		96.5		6.6		13.7		6		91				<0.2		1.6	
IM10	Cloudy	Moderate	13:46	7.8	Surface	1.0	0.6	90	26.0	26.0	8.1	8.1	28.7	28.7	97.7	97.6	6.7	6.7	3.0	6.0	5	6	85	89	822378	809787	<0.2	<0.2	1.7	1.6
						1.0	0.7	94	26.0		8.1		28.8		97.5		6.7		3.0		5		87				<0.2		1.6	
					Middle	3.9	0.5	88	26.0	26.0	8.1	8.1	29.5	29.5	96.7	96.7	6.7		5.1		5		88				<0.2		1.5	
						3.9	0.5	89	26.0		8.1		29.5		96.7		6.7		5.0		6		91				<0.2		1.6	
					Bottom	6.8	0.3	99	26.0	26.0	8.1	8.1	29.7	29.7	96.7	96.8	6.6	6.7	9.9		8		89				<0.2		1.5	
						6.8	0.3	105	26.0		8.1		29.7		96.9		6.7		9.9		6		91				<0.2		1.5	
IM11	Cloudy	Moderate	13:53	7.7	Surface	1.0	0.6	103	26.1	26.1	8.1	8.1	28.8	28.9	96.8	96.7	6.7	6.7	3.6	5.6	5	4	87	88	822039	811459	<0.2	<0.2	1.5	1.5
						1.0	0.6	105	26.1		8.1		28.9		96.5		6.7		3.6		5		83				<0.2		1.4	
					Middle	3.9	0.5	95	26.0	26.0	8.1	8.1	29.2	29.2	95.5	95.5	-		6.2		4		89				<0.2		1.6	
						3.9	0.6	98	26.0		8.1		29.2		95.5		-		6.2		3		86				<0.2		1.4	
					Bottom	6.7	0.5	109	26.0	26.0	8.1	8.1	29.2	29.2	96.0	96.2	6.6	6.6	7.1		3		91				<0.2		1.5	
						6.7	0.5	110	26.0		8.1		29.2		96.3		6.6		7.1		3		89				<0.2		1.5	
IM12	Cloudy	Moderate	13:59	8.2	Surface	1.0	0.5	118	26.2	26.2	8.1	8.1	28.7	28.7	94.7	94.7	6.5	6.5	5.4	6.4	3	4	87	88	821460	812040	<0.2	<0.2	1.5	1.4
						1.0	0.6	124	26.2		8.1		28.7		94.7		6.5		5.4		3		85				<0.2		1.4	
					Middle	4.1	0.5	93	26.1	26.1	8.1	8.1	28.7	28.7	94.6	94.6	6.5		6.5		3		88				<0.2		1.4	
						4.1	0.6	93	26.1		8.1		28.7		94.6		6.5		6.6		3		88				<0.2		1.3	
					Bottom	7.2	0.2	108	26.1	26.1	8.1	8.1	28.7	28.7	94.6	94.6	6.5	6.5	7.8		4		91				<0.2		1.3	
						7.2	0.3	108	26.1		8.1		28.7		94.6		6.5		7.0		5		91				<0.2		1.4	
SR1A	Cloudy	Moderate	14:24	7.2	Surface	1.0	-	-	26.1	26.1	8.1	8.1	28.5	28.5	100.3	100.3	6.9	6.9	1.5	3.3	4	4	-	-	820074	812585	-	-	-	-
						1.0	-	-	26.1		8.1		28.5		100.3		6.9		1.5		4		-				-		-	
					Middle	3.6	-	-	25.9	25.9	8.2	8.2	29.7	29.7	99.3	99.3	6.8		2.5		3		-				-		-	
						3.6	-	-	25.9		8.2		29.8		99.2		6.8		2.5		4		-				-		-	
					Bottom	6.2	-	-	25.9	25.9	8.2	8.2	30.4	30.4	98.9	99.0	6.8	6.8	5.8		4		-				-		-	
						6.2	-	-	25.9		8.2		30.4		99.0		6.8		5.8		4		-				-		-	
SR2	Cloudy	Moderate	14:24	4.3	Surface	1.0	0.5	90	26.2	26.2	8.1	8.1	28.8	28.8	98.9	98.9	6.8	6.8	3.0	2.9	2	3	83	87	821480	814184	<0.2	<0.2	1.4	1.4
						1.0	0.6	95	26.2		8.1		28.8		98.9		6.8		2.9		3		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.3	81	26.2	26.2	8.1	8.1	28.8	28.8	99.1	99.2	6.8	6.8	2.9		3		90				<0.2		1.4	
						3.3	0.3	85	26.2		8.1		28.8		99.2		6.8		3.0		3		89				<0.2		1.4	
SR3	Cloudy	Moderate	13:22	8.7	Surface	1.0	0.4	117	26.1	26.1	8.1	8.1	28.2	28.2	93.4	93.5	6.5	6.5	10.1	9.4	12	9	-	-	822127	807573	-	-	-	-
						1.0	0.5	124	26.1		8.1		28.2		93.5		6.5		10.1		13		-				-		-	
					Middle	4.4	0.4	197	26.1	26.1	8.1	8.1	28.2	28.2	93.8	93.8	-		9.0		7		-				-		-	
						4.4	0.4	199	26.1		8.1		28.2		93.8		-		9.2		7		-				-		-	
					Bottom	7.7	0.3	184	26.1	26.1	8.1	8.1	28.2	28.2	94.1	94.2	6.5	6.5	9.0		6		-				-		-	
						7.7	0.3	186	26.1		8.1		28.2		94.2		6.5		9.1		6		-				-		-	
SR4A	Cloudy	Moderate	14:25	9.2	Surface	1.0	0.3	88	26.2	26.2	8.1	8.1	28.8	28.8	98.7	98.7	6.8	6.8	3.0	3.8	4	4	-	-	817196	807800	-	-	-	-
						1.0	0.3	93	26.2		8.1		28.8		98.6		6.8		3.1		4		-				-		-	
					Middle	4.6	0.3	95	26.1	26.1	8.1	8.1	28.9	28.9	98.2	98.2	6.8		4.3		4		-				-		-	
						4.6	0.3	103	26.1		8.1		28.9		98.2		6.8		4.4		3		-				-		-	
					Bottom	8.2	0.3	87	26.1	26.1	8.1	8.1	28.9	28.9	98.5	98.6	6.8	6.8	4.1		4		-				-		-	
						8.2	0.3	70	26.1		8.1		28.9		98.6		6.8		3.9		3		-				-		-	
SR5A	Cloudy	Moderate	14:39	4.3	Surface	1.0	0.1	353	26.3	26.3	8.1	8.1	29.0	29.0	94.6	94.6	6.5	6.5	3.3	3.5	5	4	-	-	816579	810700	-	-	-	-
						1.0	0.1	325	26.3		8.1		29.0		94.5		6.5		3.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	348	26.3	26.3	8.1	8.1	29.1	29.1	94.3	94.3	6.5	6.5	3.5		3		-				-		-	
						3.3	0.1	356	26.3		8.1		29.1		94.3		6.5		3.6		3		-				-		-	
SR6	Cloudy	Moderate	15:02	4.6	Surface	1.0	0.0	33	26.4	26.4	8.1	8.1	28.5	28.5	97.4	97.4	6.7	6.7	1.8	1.8	2	3	-	-	817881	814656	-	-	-	-
						1.0	0.0	34	26.4		8.1		28.5		97.4		6.7		1.8		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	33	26.5	26.5	8.1	8.1	28.5	28.5	97.6	97.7	6.7	6.7	1.9		3		-				-		-	
						3.6	0.0	35	26.5		8.1		28.5		97.7		6.7		1.9		3		-				-		-	
SR7	Cloudy	Moderate	15:12	16.5	Surface	1.0	0.9	77	26.5	26.5	8.1	8.1	28.5	28.5	97.6	97.5	6.7	6.7	2.4	6.7	4	4	-	-	823649	823737	-	-	-	-
						1.0	0.9	83	26.5		8.1		28.5		97.4		6.7		2.4		4		-				-		-	
					Middle	8.3	0.5	70	26.3	26.3	8.1	8.1	28.6	28.6	96.7	96.7	6.6		9.0		4		-				-		-	
						8.3	0.5	73	26.3		8.1		28.6		96.7		6.6		9.0		4		-				-		-	
					Bottom	15.5	0.4	62	26.3	26.3	8.1	8.1	28.6	28.6	97.0	97.2	6.7	6.7	8.9		4		-				-		-	
						15.5	0.4	66	26.3		8.1		28.6		97.3		6.7		8.8		3		-				-		-	
SR8	Cloudy	Moderate	14:10	4.6	Surface	1.0	-	-	26.0	26.0	8.1	8.1	28.8	28.9	100.0	100.0	6.9	6.9	1.7	1.9	4	4	-	-	820483	811651	-	-	-	-
						1.0	-	-	26.0		8.1		28.9		99.9		6.9		1.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	25.9	25.9	8.1	8.1	29.4	29.4	99.6	99.6	6.9	6.9	2.0		4		-				-		-	
						3.6	-	-	25.9		8.1		29.4		99.6		6.9		2.0		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 October 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	08:26	8.7	Surface	1.0	0.5	43	25.9	25.9	8.1	8.1	28.8	28.8	95.5	95.6	6.6	6.6	5.2	8.2	4	5	80	84	815599	804229	<0.2	<0.2	1.0	0.9
						1.0	0.5	45	25.9		8.1		28.8		95.6		6.6		5.7		4		81				<0.2		1.1	
					Middle	4.4	0.5	52	25.9	25.9	8.1	8.1	29.6	29.7	96.0	96.0	6.6		8.7		6		83				<0.2		1.2	
						4.4	0.5	56	25.9		8.1		29.8		96.0		6.6		8.7		5		85				<0.2		0.7	
					Bottom	7.7	0.6	31	25.9	25.9	8.1	8.1	30.6	30.5	95.6	95.6	6.5	6.5	10.6		6		88				<0.2		0.7	
						7.7	0.6	31	25.9		8.1		30.4		95.6		6.5		10.6		6		89				<0.2		0.6	
C2	Cloudy	Moderate	09:36	11.8	Surface	1.0	0.3	54	26.2	26.2	8.1	8.1	27.3	27.3	90.6	90.6	6.3	6.3	4.6	6.2	8	7	82	86	825691	806929	<0.2	<0.2	1.5	1.8
						1.0	0.4	54	26.2		8.1		27.3		90.5		6.3		4.8		9		81				<0.2		1.2	
					Middle	5.9	0.3	30	26.1	26.1	8.1	8.1	27.8	27.8	90.3	90.4	6.3		7.0		7		87				<0.2		2.0	
						5.9	0.3	31	26.1		8.1		27.8		90.4		6.3		7.2		7		86				<0.2		2.0	
					Bottom	10.8	0.4	308	26.1	26.1	8.1	8.1	27.8	27.8	91.1	91.3	6.3	6.3	7.0		7		89				<0.2		2.0	
						10.8	0.4	338	26.1		8.1		27.8		91.4		6.3		6.7		6		91				<0.2		1.9	
C3	Cloudy	Moderate	07:43	12.2	Surface	1.0	0.7	244	26.1	26.1	8.0	8.0	29.1	29.1	92.2	92.3	6.3	6.3	2.3	2.5	5	4	81	86	822106	817796	<0.2	<0.2	1.9	1.9
						1.0	0.7	268	26.1		8.0		29.1		92.3		6.4		2.3		4		84				<0.2		1.9	
					Middle	6.1	0.5	249	26.1	26.1	8.0	8.0	29.2	29.2	92.1	92.2	6.3		2.4		4		87				<0.2		1.8	
						6.1	0.6	258	26.0		8.0		29.2		92.2		6.3		2.7		4		85				<0.2		1.8	
					Bottom	11.2	0.4	273	26.0	26.0	8.0	8.0	29.2	29.2	92.7	92.9	6.4	6.4	2.7		3		89				<0.2		1.9	
						11.2	0.4	290	26.0		8.0		29.2		93.1		6.4		2.7		4		89				<0.2		1.9	
IM1	Cloudy	Moderate	08:43	5.4	Surface	1.0	0.1	3	26.0	26.0	8.1	8.1	28.7	28.7	94.9	94.9	6.6	6.6	5.0	5.3	7	8	86	88	817954	807108	<0.2	<0.2	1.2	1.2
						1.0	0.1	3	26.0		8.1		28.7		94.9		6.6		5.1		8		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	17	26.0	26.0	8.1	8.1	28.7	28.7	94.9	94.9	6.6	6.6	5.7		8		88				<0.2		1.2	
						4.4	0.0	18	26.0		8.1		28.7		94.9		6.6		5.3		7		89				<0.2		1.2	
IM2	Cloudy	Moderate	08:52	7.8	Surface	1.0	0.5	34	26.0	26.0	8.1	8.1	28.4	28.4	95.8	95.8	6.6	6.6	3.2	6.2	4	6	85	88	818181	806180	<0.2	<0.2	1.4	1.3
						1.0	0.5	36	26.0		8.1		28.5		95.7		6.6		3.2		4		86				<0.2		1.4	
					Middle	3.9	0.4	13	26.0	26.0	8.1	8.1	29.0	29.0	95.4	95.5	6.6		3.9		6		88				<0.2		1.3	
						3.9	0.5	13	26.0		8.1		29.0		95.5		6.6		3.4		5		87				<0.2		1.2	
					Bottom	6.8	0.4	1	26.0	26.0	8.1	8.1	28.8	28.8	95.7	95.8	6.6	6.6	11.7		7		90				<0.2		1.3	
						6.8	0.4	1	26.0		8.1		28.7		95.8		6.6		11.7		8		89				<0.2		1.2	
IM3	Cloudy	Moderate	08:58	7.9	Surface	1.0	0.4	21	26.1	26.1	8.1	8.1	28.4	28.5	94.9	94.9	6.5	6.5	3.8	7.1	5	5	86	88	818764	805572	<0.2	<0.2	1.3	1.3
						1.0	0.4	21	26.1		8.1		28.5		94.8		6.5		3.8		6		88				<0.2		1.3	
					Middle	4.0	0.4	11	26.1	26.1	8.1	8.1	29.0	29.0	94.5	94.5	6.5		7.4		4		89				<0.2		1.3	
						4.0	0.4	11	26.1		8.1		29.1		94.5		6.5		7.4		5		87				<0.2		1.3	
					Bottom	6.9	0.4	13	26.1	26.1	8.1	8.1	28.8	28.7	95.0	95.1	6.6	6.6	10.1		4		88				<0.2		1.2	
						6.9	0.4	13	26.1		8.1		28.7		95.1		6.6		10.1		4		87				<0.2		1.4	
IM4	Cloudy	Moderate	09:06	7.8	Surface	1.0	0.5	12	26.1	26.1	8.1	8.1	28.3	28.3	94.1	94.0	6.5	6.5	6.0	9.6	4	6	85	87	819735	804617	<0.2	<0.2	1.3	1.4
						1.0	0.5	13	26.1		8.1		28.4		93.9		6.5		6.0		4		85				<0.2		1.3	
					Middle	3.9	0.4	354	26.1	26.1	8.1	8.1	28.7	28.7	93.5	93.5	6.4		10.1		5		86				<0.2		1.4	
						3.9	0.4	326	26.1		8.1		28.7		93.5		6.5		10.1		4		84				<0.2		1.4	
					Bottom	6.8	0.4	12	26.1	26.1	8.1	8.1	28.6	28.5	94.1	94.1	6.5	6.5	12.6		8		90				<0.2		1.4	
						6.8	0.4	12	26.1		8.1		28.5		94.1		6.5		12.6		8		92				<0.2		1.3	
IM5	Cloudy	Moderate	09:13	7.7	Surface	1.0	0.4	37	26.0	26.0	8.1	8.1	28.4	28.4	94.2	94.2	6.5	6.5	13.3	11.9	16	15	87	89	820720	804855	<0.2	<0.2	1.5	1.4
						1.0	0.4	39	26.0		8.1		28.4		94.1		6.5		13.1		18		86				<0.2		1.4	
					Middle	3.9	0.3	20	26.0	26.0	8.1	8.1	28.4	28.4	93.9	93.9	6.5		10.7		14		91				<0.2		1.4	
						3.9	0.3	20	26.0		8.1		28.4		93.9		6.5		10.7		14		90				<0.2		1.4	
					Bottom	6.7	0.4	358	26.0	26.0	8.1	8.1	28.4	28.4	94.1	94.1	6.5	6.5	11.7		14		90				<0.2		1.5	
						6.7	0.4	329	26.0		8.1		28.4		94.1		6.5		11.7		13		91				<0.2		1.4	
IM6	Cloudy	Moderate	09:20	7.8	Surface	1.0	0.1	73	26.2	26.2	8.1	8.1	27.9	27.9	92.5	92.5	6.4	6.4	9.0	12.3	11	12	84	88	821053	805807	<0.2	<0.2	1.2	1.2
						1.0	0.1	74	26.1		8.1		27.9		92.5		6.4		9.0		12		85				<0.2		1.3	
					Middle	3.9	0.1	3	26.1	26.1	8.1	8.1	28.1	28.1	92.3	92.3	6.4		13.9		11		89				<0.2		1.2	
						3.9	0.1	3	26.1		8.1		28.1		92.3		6.4		13.9		13		90				<0.2		1.3	
					Bottom	6.8	0.1	46	26.1	26.1	8.1	8.1	28.1	28.1	92.3	92.3	6.4	6.4	14.0		11		89				<0.2		1.2	
						6.8	0.1	49	26.1		8.1		28.1		92.3		6.4		14.0		12		90				<0.2		1.2	
IM7	Cloudy	Moderate	09:27	8.1	Surface	1.0	0.2	26	26.2	26.2	8.1	8.1	27.3	27.3	90.3	90.3	6.3	6.3	4.6	5.2	4	4	83	87	821325	806852	<0.2	<0.2	1.2	1.2
						1.0	0.2	27	26.2		8.1		27.3		90.2		6.3		4.7		5		84				<0.2		1.1	
					Middle	4.1	0.1	26	26.1	26.1	8.1	8.1	27.5	27.5	90.0	90.0	6.2		5.4		4		86				<0.2		1.3	
						4.1	0.1	26	26.1		8.1		27.5		90.0		6.2		5.8		4		87				<0.2		1.2	
					Bottom	7.1	0.2	66	26.1	26.2	8.1	8.1	27.5	27.5	90.4	90.5	6.3	6.3	5.7		5		89				<0.2		1.3	
						7.1	0.2	70	26.2		8.1		27.4		90.5		6.3		5.2		3		90				<0.2		1.2	
IM8	Cloudy	Moderate	08:59	7.8	Surface	1.0	0.2	102	26.0	26.0	8.1	8.1	28.4	28.4	94.1	94.1	6.5	6.5	14.8	13.5	22	20	86	89	821820	808144	<0.2	<0.2	2.1	1.9
						1.0	0.3	103	26.0		8.1		28.4		94.0		6.5		14.9		21		85				<0.2		1.9	
					Middle	3.9	0.3	78	26.0	26.0	8.1	8.1	28.4	28.4	93.8	93.8	6.5		11.8		19		89				<0.2		1.8	
						3.9	0.3	79	26.0		8.1		28.4		93.8		6.5		11.8		20		90				<0.2		2.0	
					Bottom	6.8	0.3	62	26.0	26.0	8.1	8.1	28.4	28.4	94.0	94.1	6.5	6.5	13.9		17		90				<0.2		1.7	
						6.8	0.3	67	26.0		8.1		28.4		94.1		6.5		13.9		18		91				<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 27 October 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:52	7.4	Surface	1.0	0.1	66	26.1	26.1	8.1	8.1	28.5	28.5	93.8	93.8	6.5	6.5	9.1	12.2	5	5	85	88	822114	808813	<0.2	<0.2	1.8	1.7
						1.0	0.2	69	26.1		8.1		28.5		93.7		6.5		9.5		5		85				<0.2		1.6	
					Middle	3.7	0.3	54	26.1	26.1	8.1	8.1	28.7	28.7	93.5	93.6	6.5		14.4		5		89				<0.2		1.7	
						3.7	0.3	55	26.1		8.1		28.7		93.6		6.5		14.4		5		91				<0.2		1.8	
					Bottom	6.4	0.2	37	26.1	26.1	8.1	8.1	28.7	28.7	93.8	93.9	6.5	6.5	13.0		5		88				<0.2		1.7	
						6.4	0.2	37	26.1		8.1		28.7		93.9		6.5		13.0		6		88				<0.2		1.7	
IM10	Cloudy	Moderate	08:44	7.7	Surface	1.0	0.2	59	26.1	26.1	8.1	8.1	28.3	28.4	94.9	94.9	6.6	6.6	7.0	10.8	5	5	85	88	822383	809781	<0.2	<0.2	2.0	1.8
						1.0	0.2	64	26.1		8.1		28.4		94.8		6.6		7.3		6		86				<0.2		2.0	
					Middle	3.9	0.3	8	26.0	26.0	8.1	8.1	29.0	29.0	94.5	94.5	-		13.9		5		90				<0.2		1.7	
						3.9	0.4	8	26.0		8.1		29.0		94.5		-		13.8		5		90				<0.2		1.8	
					Bottom	6.7	0.4	300	26.0	26.0	8.1	8.1	29.1	29.1	94.8	94.9	6.5	6.5	11.3		5		88				<0.2		1.7	
						6.7	0.4	319	26.0		8.1		29.1		94.9		6.5		11.3		5		87				<0.2		1.8	
IM11	Cloudy	Moderate	08:36	7.9	Surface	1.0	0.4	280	26.0	26.0	8.1	8.1	28.5	28.5	95.9	95.9	6.6	6.6	3.6	6.0	5	4	85	88	822033	811467	<0.2	<0.2	1.8	1.7
						1.0	0.4	291	26.0		8.1		28.5		95.8		6.6		3.6		4		87				<0.2		1.8	
					Middle	4.0	0.2	271	26.0	26.0	8.1	8.1	28.9	28.9	95.4	95.4	6.6		3.7		4		91				<0.2		1.6	
						4.0	0.2	275	26.0		8.1		28.9		95.4		6.6		3.8		3		89				<0.2		1.7	
					Bottom	6.9	0.1	234	26.0	26.0	8.1	8.1	29.1	29.1	95.5	95.6	6.6	6.6	10.7		4		88				<0.2		1.6	
						6.9	0.1	244	26.0		8.1		29.1		95.6		6.6		10.7		4		88				<0.2		1.8	
IM12	Cloudy	Moderate	08:29	8.8	Surface	1.0	0.3	259	26.0	26.0	8.1	8.1	28.7	28.7	94.8	94.8	6.6	6.6	5.3	5.4	8	7	90	89	821450	812067	<0.2	<0.2	1.7	1.7
						1.0	0.3	275	26.0		8.1		28.7		94.8		6.5		5.3		8		90				<0.2		1.7	
					Middle	4.4	0.2	266	26.0	26.0	8.1	8.1	28.7	28.7	94.9	95.0	6.6		5.5		6		89				<0.2		1.7	
						4.4	0.2	267	26.0		8.1		28.7		95.0		6.6		5.5		6		89				<0.2		1.8	
					Bottom	7.8	0.2	281	26.0	26.0	8.1	8.1	28.7	28.7	95.7	95.7	6.6	6.6	5.3		6		88				<0.2		1.7	
						7.8	0.2	301	25.9		8.1		28.7		95.7		6.6		5.3		6		88				<0.2		1.7	
SR1A	Cloudy	Moderate	08:16	7.3	Surface	1.0	-	-	25.9	25.9	8.1	8.1	28.8	28.8	94.1	94.0	6.5	6.5	5.9	7.0	6	7	-	-	820073	812583	-	-	-	-
						1.0	-	-	25.9		8.1		28.8		93.9		6.5		6.3		7		-				-		-	
					Middle	3.7	-	-	26.0	26.0	8.1	8.1	28.8	28.8	93.3	93.3	-		7.1		6		-				-		-	
						3.7	-	-	26.0		8.1		28.9		93.3		-		7.6		6		-				-		-	
					Bottom	6.3	-	-	26.0	26.0	8.1	8.1	28.9	28.9	93.9	94.0	6.5	6.5	7.8		7		-				-		-	
						6.3	-	-	26.0		8.1		28.9		94.1		6.5		7.7		8		-				-		-	
SR2	Cloudy	Moderate	08:05	4.3	Surface	1.0	0.4	300	25.9	25.9	8.1	8.1	28.7	28.7	95.1	95.2	6.6	6.6	6.3	7.5	7	7	82	85	821477	814188	<0.2	<0.2	1.6	1.7
						1.0	0.5	308	25.9		8.1		28.8		95.2		6.6		6.3		7		82				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	320	25.8	25.8	8.1	8.1	28.8	28.8	95.6	95.5	6.6	6.6	8.8		8		87				<0.2		1.6	
						3.3	0.2	333	25.8		8.1		28.9		95.4		6.6		8.7		7		87				<0.2		1.8	
SR3	Cloudy	Moderate	09:10	8.3	Surface	1.0	0.2	80	26.1	26.1	8.1	8.1	28.0	28.0	92.6	92.6	6.4	6.4	11.2	14.2	14	17	-	-	822129	807557	-	-	-	-
						1.0	0.2	84	26.1		8.1		28.0		92.6		6.4		11.3		13		-				-		-	
					Middle	4.2	0.4	66	26.1	26.1	8.1	8.1	28.1	28.1	92.6	92.6	6.4		12.2		13		-				-		-	
						4.2	0.4	71	26.1		8.1		28.1		92.6		6.4		12.3		13		-				-		-	
					Bottom	7.3	0.4	59	26.1	26.1	8.1	8.1	28.1	28.1	93.2	93.3	6.4	6.5	18.5		25		-				-		-	
						7.3	0.4	59	26.1		8.1		28.1		93.3		6.5		19.7		25		-				-		-	
SR4A	Cloudy	Moderate	08:04	8.9	Surface	1.0	0.4	86	25.9	25.9	8.1	8.1	28.8	28.8	93.9	93.9	6.5	6.5	7.5	7.9	7	10	-	-	817204	807813	-	-	-	-
						1.0	0.5	90	25.9		8.1		28.8		93.8		6.5		7.7		9		-				-		-	
					Middle	4.5	0.4	79	26.0	26.0	8.1	8.1	28.8	28.8	93.2	93.2	-		8.4		11		-				-		-	
						4.5	0.4	80	26.0		8.1		28.8		93.1		-		8.1		10		-				-		-	
					Bottom	7.9	0.3	65	26.0	26.0	8.1	8.1	28.9	28.9	93.4	93.5	6.4	6.5	8.0		12		-				-		-	
						7.9	0.3	66	26.0		8.1		28.9		93.5		6.5		7.6		12		-				-		-	
SR5A	Cloudy	Moderate	07:46	4.6	Surface	1.0	0.1	60	26.1	26.1	8.1	8.1	29.1	29.1	92.2	92.2	6.3	6.3	2.2	2.3	3	4	-	-	816601	810709	-	-	-	-
						1.0	0.1	63	26.1		8.1		29.2		92.2		6.3		2.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	35	26.1	26.1	8.1	8.0	29.2	29.2	92.0	92.1	6.3	6.3	2.3		5		-				-		-	
						3.6	0.1	38	26.1		8.0		29.2		92.1		6.3		2.3		5		-				-		-	
SR6	Cloudy	Moderate	07:22	4.1	Surface	1.0	0.1	241	26.1	26.1	7.9	7.9	28.5	28.5	91.6	91.6	6.3	6.3	3.7	3.6	4	4	-	-	817921	814677	-	-	-	-
						1.0	0.1	248	26.1		7.9		28.5		91.6		6.3		3.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	238	26.1	26.1	7.9	7.9	28.5	28.5	91.8	91.9	6.3	6.3	3.7		4		-				-		-	
						3.1	0.1	251	26.1		7.9		28.5		91.9		6.3		3.6		4		-				-		-	
SR7	Cloudy	Moderate	07:11	16.2	Surface	1.0	0.1	170	26.1	26.1	7.9	7.9	28.4	28.4	92.0	92.0	6.3	6.4	3.5	6.2	5	5	-	-	823627	823730	-	-	-	-
						1.0	0.1	176	26.1		7.9		28.4		92.0		6.3		3.4		4		-				-		-	
					Middle	8.1	0.2	33	26.1	26.1	7.8	7.8	28.4	28.4	92.1	92.1	6.4		4.3		5		-				-		-	
						8.1	0.2	33	26.1		7.8		28.4		92.1		6.4		4.6		5		-				-		-	
					Bottom	15.2	0.2	164	26.1	26.1	7.8	7.8	28.5	28.5	92.2	92.3	6.4	6.4	10.8		6		-				-		-	
						15.2	0.2	175	26.1		7.8		28.5		92.4		6.4		10.8		7		-				-		-	
SR8	Cloudy	Moderate	08:22	4.6	Surface	1.0	-	-	25.9	25.9	8.1	8.1	28.7	28.7	95.7	95.7	6.6	6.6	3.8	6.0	6	6	-	-	820507	811678	-	-	-	-
						1.0	-	-	25.9		8.1		28.8		95.7		6.6		4.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	25.9	25.9	8.1	8.1	30.0	30.1	97.0	97.0	6.7	6.7	8.1		6		-				-		-	
						3.6	-	-	25.9		8.1		30.2		97.0		6.7		8.0		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**
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 30 October 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Rough	16:35	8.6	Surface	1.0	0.2	64	25.3	25.3	8.2	8.2	28.8	28.8	98.0	98.0	6.8	6.8	3.1	7.1	5	6	85	89	815618	804252	<0.2	<0.2	1.1	1.2
						1.0	0.2	66	25.3		8.2		28.8		97.9		6.8		3.1		5		86				<0.2		1.1	
					Middle	4.3	0.2	76	25.4	25.4	8.2	8.2	31.1	31.1	97.5	97.5	6.7		6.9		6		89				<0.2		1.2	
						4.3	0.2	81	25.4		8.2		31.1		97.5		6.7		7.0		5		89				<0.2		1.3	
					Bottom	7.6	0.2	52	25.4	25.4	8.2	8.2	31.4	31.4	96.6	96.6	6.6	6.6	11.5		6		92				<0.2		1.1	
						7.6	0.2	53	25.4		8.2		31.3		96.5		6.6		11.2		6		92				<0.2		1.1	
C2	Fine	Moderate	15:26	11.2	Surface	1.0	0.3	10	25.6	25.6	8.2	8.2	27.6	27.6	94.8	94.6	6.6	6.6	3.1	4.4	6	5	85	89	825674	806962	<0.2	<0.2	1.5	1.7
						1.0	0.3	10	25.6		8.2		27.6		94.6		6.6		3.2		5		85				<0.2		1.8	
					Middle	5.6	0.3	24	25.6	25.6	8.2	8.2	27.6	27.8	94.6	94.5	6.6		4.7		5		88				<0.2		1.7	
						5.6	0.3	25	25.6		8.2		28.0		94.3		6.6		4.9		5		89				<0.2		1.6	
					Bottom	10.2	0.3	12	25.6	25.6	8.2	8.2	28.0	28.0	94.3	94.7	6.6	6.6	5.1		3		93				<0.2		1.6	
						10.2	0.3	12	25.6		8.2		28.0		95.0		6.6		5.2		4		93				<0.2		1.7	
C3	Fine	Moderate	16:20	9.4	Surface	1.0	0.1	2	25.9	25.9	8.2	8.2	31.0	31.0	91.3	91.3	6.2	6.2	5.5	6.7	5	4	84	89	822121	817826	<0.2	<0.2	1.7	1.6
						1.0	0.1	2	25.9		8.2		31.0		91.3		6.2		5.6		5		85				<0.2		1.6	
					Middle	4.7	0.2	285	25.9	25.9	8.2	8.2	31.2	31.2	91.4	91.4	6.2		6.3		4		90				<0.2		1.6	
						4.7	0.2	294	25.9		8.2		31.2		91.4		6.2		6.4		3		90				<0.2		1.6	
					Bottom	8.4	0.2	288	25.9	25.9	8.2	8.2	31.3	31.3	92.8	92.9	6.3	6.3	7.6		3		93				<0.2		1.7	
						8.4	0.2	313	25.9		8.2		31.3		93.0		6.3		8.5		2		94				<0.2		1.6	
IM1	Sunny	Moderate	16:14	5.1	Surface	1.0	0.2	36	25.3	25.3	8.2	8.2	28.7	28.7	96.3	96.3	6.7	6.7	3.1	5.8	6	7	85	87	817965	807108	<0.2	<0.2	1.3	1.2
						1.0	0.2	36	25.3		8.2		28.7		96.3		6.7		3.2		7		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	328	25.3	25.3	8.2	8.2	29.4	29.4	95.6	95.6	6.7	6.7	7.9		7		88				<0.2		1.3	
						4.1	0.1	345	25.3		8.2		29.4		95.6		6.7		8.8		7		88				<0.2		1.1	
IM2	Sunny	Moderate	16:07	7.6	Surface	1.0	0.3	46	25.3	25.3	8.2	8.2	29.0	29.0	94.8	94.8	6.6	6.6	3.5	5.5	8	6	85	88	818152	806163	<0.2	<0.2	1.1	1.1
						1.0	0.3	49	25.3		8.2		29.0		94.7		6.6		3.5		8		86				<0.2		1.2	
					Middle	3.8	0.2	57	25.1	25.1	8.2	8.2	29.4	29.4	92.9	93.0	6.5		6.0		7		88				<0.2		1.1	
						3.8	0.2	62	25.1		8.2		29.4		93.0		6.5		6.0		6		88				<0.2		1.2	
					Bottom	6.6	0.2	39	25.2	25.2	8.2	8.2	29.6	29.6	93.8	93.8	6.5	6.5	7.1		3		91				<0.2		1.1	
						6.6	0.2	39	25.2		8.2		29.6		93.8		6.5		6.9		4		91				<0.2		1.1	
IM3	Sunny	Moderate	16:00	7.7	Surface	1.0	0.3	27	25.3	25.3	8.2	8.2	28.3	28.4	94.8	94.6	6.6	6.5	3.4	7.1	3	4	85	88	818784	805604	<0.2	<0.2	1.2	1.2
						1.0	0.3	28	25.3		8.2		28.5		94.4		6.6		3.6		2		85				<0.2		1.2	
					Middle	3.9	0.3	1	25.2	25.2	8.2	8.2	29.4	29.4	92.1	92.1	6.4		7.2		3		88				<0.2		1.2	
						3.9	0.3	1	25.2		8.2		29.5		92.0		6.4		7.5		4		88				<0.2		1.1	
					Bottom	6.7	0.2	355	25.1	25.1	8.2	8.2	29.6	29.6	92.2	92.4	6.4	6.5	10.6		5		91				<0.2		1.1	
						6.7	0.2	327	25.1		8.2		29.6		92.5		6.5		10.1		4		91				<0.2		1.2	
IM4	Sunny	Moderate	15:51	7.9	Surface	1.0	0.4	359	25.3	25.3	8.2	8.2	28.6	28.6	95.6	95.6	6.7	6.6	3.3	10.5	7	5	85	88	819722	804607	<0.2	<0.2	1.1	1.1
						1.0	0.5	330	25.3		8.2		28.6		95.6		6.7		3.3		7		85				<0.2		1.0	
					Middle	4.0	0.3	16	25.1	25.1	8.2	8.2	29.6	29.6	91.5	91.5	6.4		12.8		5		88				<0.2		1.1	
						4.0	0.3	16	25.1		8.2		29.6		91.5		6.4		12.8		5		89				<0.2		1.1	
					Bottom	6.9	0.3	356	25.1	25.1	8.2	8.2	29.6	29.6	91.9	92.0	6.4	6.4	14.7		4		91				<0.2		1.1	
						6.9	0.3	357	25.1		8.2		29.6		92.0		6.4		15.9		3		91				<0.2		1.1	
IM5	Sunny	Moderate	15:42	7.3	Surface	1.0	0.4	19	25.2	25.2	8.2	8.2	28.6	28.6	93.0	93.0	6.5	6.5	5.3	9.1	9	8	85	88	820714	804848	<0.2	<0.2	1.2	1.2
						1.0	0.4	20	25.2		8.2		28.6		92.9		6.5		5.6		10		85				<0.2		1.2	
					Middle	3.7	0.2	337	25.2	25.2	8.2	8.2	28.9	28.9	92.0	92.0	6.4		9.0		7		88				<0.2		1.3	
						3.7	0.2	347	25.2		8.2		28.9		92.0		6.4		9.5		6		88				<0.2		1.3	
					Bottom	6.3	0.4	21	25.1	25.1	8.1	8.1	29.1	29.1	92.0	92.1	6.4	6.4	12.0		6		91				<0.2		1.2	
						6.3	0.5	21	25.1		8.1		29.0		92.2		6.4		12.8		7		91				<0.2		1.2	
IM6	Sunny	Moderate	15:34	7.2	Surface	1.0	0.2	89	25.3	25.3	8.2	8.2	28.3	28.3	90.4	90.4	6.3	6.3	4.6	5.7	11	8	84	87	821040	805850	<0.2	<0.2	1.4	1.5
						1.0	0.2	95	25.3		8.2		28.3		90.4		6.3		4.8		10		84				<0.2		1.3	
					Middle	3.6	0.1	26	25.3	25.3	8.2	8.2	28.5	28.5	89.7	89.7	6.3		5.7		8		87				<0.2		1.3	
						3.6	0.2	27	25.3		8.2		28.5		89.6		6.3		5.7		8		87				<0.2		1.6	
					Bottom	6.2	0.1	11	25.2	25.2	8.2	8.2	28.7	28.7	89.1	89.2	6.2	6.2	6.6		6		90				<0.2		1.6	
						6.2	0.1	11	25.2		8.2		28.7		89.2		6.2		6.6		7		90				<0.2		1.6	
IM7	Sunny	Moderate	15:26	8.7	Surface	1.0	0.1	201	25.5	25.5	8.1	8.1	27.6	27.6	90.0	90.1	6.3	6.3	3.1	6.3	6	7	83	87	821335	806811	<0.2	<0.2	1.6	1.6
						1.0	0.1	210	25.5		8.1		27.7		90.1		6.3		3.3		6		83				<0.2		1.6	
					Middle	4.4	0.1	257	25.2	25.2	8.2	8.2	28.8	28.8	89.9	89.9	6.3		5.0		7		87				<0.2		1.6	
						4.4	0.1	273	25.2		8.2		28.8		89.9		6.3		5.1		6		87				<0.2		1.5	
					Bottom	7.7	0.2	244	25.2	25.2	8.2	8.2	28.9	28.9	89.5	89.5	6.3	6.3	10.7		8		90				<0.2		1.6	
						7.7	0.2	262	25.2		8.2		28.9		89.5		6.3		10.6		8		90				<0.2		1.6	
IM8	Fine	Moderate	15:55	7.5	Surface	1.0	0.2	67	25.6	25.6	8.2	8.2	28.3	28.3	99.1	99.2	6.9	6.9	7.1	8.6	6	4	84	89	821823	808136	<0.2	<0.2	1.6	1.6
						1.0	0.2	67	25.6		8.2		28.4		99.2		6.9		7.3		6		85				<0.2		1.5	
					Middle	3.8	0.4	65	25.5	25.5	8.3	8.3	28.7	28.8	99.2	99.2	6.9		8.4		3		90				<0.2		1.6	
						3.8	0.4	69	25.5		8.3		28.8		99.2		6.9		8.5		3		90				<0.2		1.7	
					Bottom	6.5	0.3	69	25.3	25.3	8.3	8.3	29.7	29.7	98.8	98.8	6.9	6.9	10.1		2		92				<0.2		1.6	
						6.5	0.3	70	25.3		8.3		29.7		98.8		6.9		10.2		3		93				<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 30 October 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	16:02	6.4	Surface	1.0	0.2	135	25.7	25.7	8.2	8.2	28.3	28.3	99.0	99.1	6.9	6.9	5.4	7.8	5	4	85	90	822106	808794	<0.2	<0.2	1.6	1.6
						1.0	0.2	142	25.7		8.2		28.3		99.1		6.9		5.6		5		86				<0.2		1.6	
					Middle	3.2	0.2	92	25.7	25.7	8.3	8.3	28.5	28.5	99.5	99.5	-		8.6		4		89				<0.2		1.7	
						3.2	0.2	101	25.7		8.3		28.5		99.4		-		8.7		4		89				<0.2		1.6	
					Bottom	5.4	0.2	102	25.8	25.7	8.3	8.3	28.7	28.7	99.3	99.3	6.9	6.9	9.1		3		94				<0.2		1.5	
						5.4	0.2	109	25.7		8.3		28.7		99.2		6.9		9.3		3		95				<0.2		1.6	
IM10	Fine	Moderate	16:09	8.3	Surface	1.0	0.1	109	25.6	25.6	8.3	8.3	29.5	29.5	97.6	97.6	6.8	6.8	5.4	7.0	4	6	85	89	822385	809773	<0.2	<0.2	1.6	1.6
						1.0	0.1	119	25.6		8.3		29.5		97.6		6.8		5.6		4		86				<0.2		1.5	
					Middle	4.2	0.1	60	25.6	25.6	8.3	8.3	29.5	29.5	97.0	97.0	6.7		6.7		6		86				<0.2		1.6	
						4.2	0.1	63	25.6		8.3		29.5		97.0		6.7		6.9		6		90				<0.2		1.7	
					Bottom	7.3	0.1	62	25.6	25.6	8.3	8.3	29.5	29.5	96.9	96.9	6.7	6.7	8.4		8		93				<0.2		1.6	
						7.3	0.1	66	25.6		8.3		29.5		96.9		6.7		8.7		8		93				<0.2		1.7	
IM11	Fine	Moderate	16:20	6.5	Surface	1.0	0.2	333	25.6	25.6	8.3	8.3	29.5	29.5	97.7	97.7	6.8	6.8	7.5	8.5	4	4	85	89	822036	811444	<0.2	<0.2	1.7	1.7
						1.0	0.2	309	25.6		8.3		29.5		97.7		6.8		7.6		4		86				<0.2		1.6	
					Middle	3.3	0.2	315	25.6	25.5	8.3	8.3	29.5	29.5	97.4	97.4	6.7		8.5		4		89				<0.2		1.7	
						3.3	0.2	323	25.5		8.3		29.5		97.4		6.7		8.6		3		89				<0.2		1.6	
					Bottom	5.5	0.1	297	25.5	25.5	8.3	8.3	29.5	29.5	97.6	97.6	6.8	6.8	9.3		4		93				<0.2		1.7	
						5.5	0.1	303	25.5		8.3		29.5		97.6		6.8		9.6		4		94				<0.2		1.6	
IM12	Fine	Moderate	16:28	7.3	Surface	1.0	0.2	255	25.5	25.5	8.3	8.3	29.4	29.4	97.2	97.2	6.7	6.7	4.1	5.3	6	6	85	90	821468	812063	<0.2	<0.2	1.7	1.7
						1.0	0.2	267	25.5		8.3		29.4		97.2		6.7		4.2		6		86				<0.2		1.6	
					Middle	3.7	0.1	255	25.6	25.6	8.3	8.3	29.5	29.5	96.9	96.9	-		5.1		6		89				<0.2		1.6	
						3.7	0.1	255	25.6		8.3		29.5		96.9		-		5.3		6		91				<0.2		1.7	
					Bottom	6.3	0.1	265	25.6	25.6	8.3	8.3	29.5	29.5	96.8	96.8	6.7	6.7	6.4		5		93				<0.2		1.7	
						6.3	0.1	283	25.6		8.3		29.5		96.8		6.7		6.5		5		93				<0.2		1.7	
SR1A	Fine	Moderate	16:59	4.2	Surface	1.0	-	-	25.6	25.6	8.3	8.3	29.5	29.5	100.3	100.3	6.9	6.9	4.7	5.5	4	7	-	-	820067	812591	-	-	-	-
						1.0	-	-	25.6		8.3		29.5		100.3		6.9		4.8		5		-				-		-	
					Middle	2.1	-	-	25.6	25.6	8.2	8.2	29.5	29.5	99.5	99.5	-		5.6		6		-				-		-	
						2.1	-	-	25.6		8.2		29.5		99.5		-		5.7		6		-				-		-	
					Bottom	3.2	-	-	25.6	25.6	8.2	8.2	29.5	29.5	98.7	98.8	6.8	6.8	6.1		8		-				-		-	
						3.2	-	-	25.6		8.2		29.5		98.8		6.8		6.2		10		-				-		-	
SR2	Fine	Moderate	16:59	4.2	Surface	1.0	0.3	263	25.7	25.7	8.2	8.2	29.6	29.6	95.0	95.0	6.6	6.6	2.7	3.3	4	4	86	90	821457	814164	<0.2	<0.2	1.6	1.6
						1.0	0.4	283	25.7		8.2		29.6		94.9		6.6		2.9		5		86				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	261	25.8	25.8	8.2	8.2	30.0	30.1	94.8	95.2	6.5	6.6	3.6		4		94				<0.2		1.5	
						3.2	0.2	263	25.8		8.2		30.1		95.6		6.6		3.8		4		94				<0.2		1.7	
SR3	Fine	Moderate	15:48	8.7	Surface	1.0	0.3	5	25.6	25.6	8.2	8.2	28.4	28.4	98.5	98.5	6.9	6.9	4.3	5.6	5	5	-	-	822147	807582	-	-	-	-
						1.0	0.3	5	25.6		8.2		28.4		98.5		6.9		4.5		6		-				-		-	
					Middle	4.4	0.3	23	25.4	25.4	8.3	8.3	29.2	29.2	98.9	98.9	-		5.4		5		-				-		-	
						4.4	0.3	24	25.4		8.3		29.2		98.9		-		5.7		5		-				-		-	
					Bottom	7.7	0.2	6	25.3	25.3	8.3	8.3	29.7	29.7	98.4	98.4	6.8	6.8	6.6		5		-				-		-	
						7.7	0.2	6	25.3		8.3		29.7		98.4		6.8		6.8		5		-				-		-	
SR4A	Fine	Calm	16:55	9.4	Surface	1.0	0.2	43	25.4	25.4	8.2	8.2	28.7	28.7	97.1	97.1	6.8	6.8	4.1	3.9	5	6	-	-	817212	807819	-	-	-	-
						1.0	0.2	45	25.4		8.2		28.7		97.0		6.8		4.2		6		-				-		-	
					Middle	4.7	0.2	33	25.3	25.3	8.2	8.2	29.3	29.3	96.6	96.7	6.7		3.6		6		-				-		-	
						4.7	0.2	35	25.3		8.2		29.3		96.7		6.7		3.6		7		-				-		-	
					Bottom	8.4	0.1	52	25.3	25.3	8.2	8.2	29.7	29.7	96.3	96.3	6.7	6.7	3.9		7		-				-		-	
						8.4	0.1	52	25.3		8.2		29.7		96.3		6.7		3.9		7		-				-		-	
SR5A	Fine	Calm	15:28	4.0	Surface	1.0	0.1	161	25.6	25.6	8.1	8.1	28.7	28.7	95.6	95.6	6.6	6.6	3.6	3.6	12	10	-	-	816586	810717	-	-	-	-
						1.0	0.1	163	25.6		8.1		28.7		95.5		6.6		3.7		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	193	25.4	25.4	8.1	8.1	28.8	28.8	93.9	93.9	6.5	6.6	3.5		8		-				-		-	
						3.0	0.1	215	25.4		8.1		28.8		93.9		6.6		3.5		9		-				-		-	
SR6	Fine	Calm	15:48	4.7	Surface	1.0	0.2	343	25.7	25.7	8.1	8.1	28.5	28.5	95.1	95.0	6.6	6.6	5.1	5.5	5	5	-	-	817895	814678	-	-	-	-
						1.0	0.2	313	25.7		8.1		28.5		94.9		6.6		5.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	5	25.6	25.6	8.1	8.1	28.5	28.5	94.6	94.7	6.6	6.6	5.9		5		-				-		-	
						3.7	0.1	5	25.6		8.1		28.5		94.7		6.6		5.8		4		-				-		-	
SR7	Fine	Moderate	16:45	14.6	Surface	1.0	0.1	333	25.9	25.9	8.2	8.2	31.3	31.3	91.6	91.6	6.2	6.2	4.4	5.5	3	5	-	-	823616	823737	-	-	-	-
						1.0	0.1	311	25.9		8.2		31.3		91.6		6.2		4.6		4		-				-		-	
					Middle	7.3	0.1	13	25.9	25.9	8.2	8.2	31.4	31.4	91.0	91.0	6.2		5.6		6		-				-		-	
						7.3	0.1	14	25.9		8.2		31.4		91.0		6.2		5.8		6		-				-		-	
					Bottom	13.6	0.0	201	25.9	25.9	8.2	8.2	31.5	31.5	92.2	92.3	6.3	6.3	6.2		7		-				-		-	
						13.6	0.0	214	25.9		8.2		31.5		92.3		6.3		6.3		6		-				-		-	
SR8	Fine	Moderate	16:36	5.2	Surface	1.0	-	-	25.6	25.6	8.2	8.2	29.4	29.4	98.0	97.9	6.8	6.8	2.4	3.1	4	5	-	-	820513	811640	-	-	-	-
						1.0	-	-	25.6		8.2		29.4		97.8		6.8		2.6		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	25.5	25.5	8.2	8.2	29.4	29.4	97.6	97.6	6.8	6.8	3.7		6		-				-		-	
						4.2	-	-	25.5		8.2		29.4		97.6		6.8		3.8		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 30 October 18 during Mid-Flood Tide

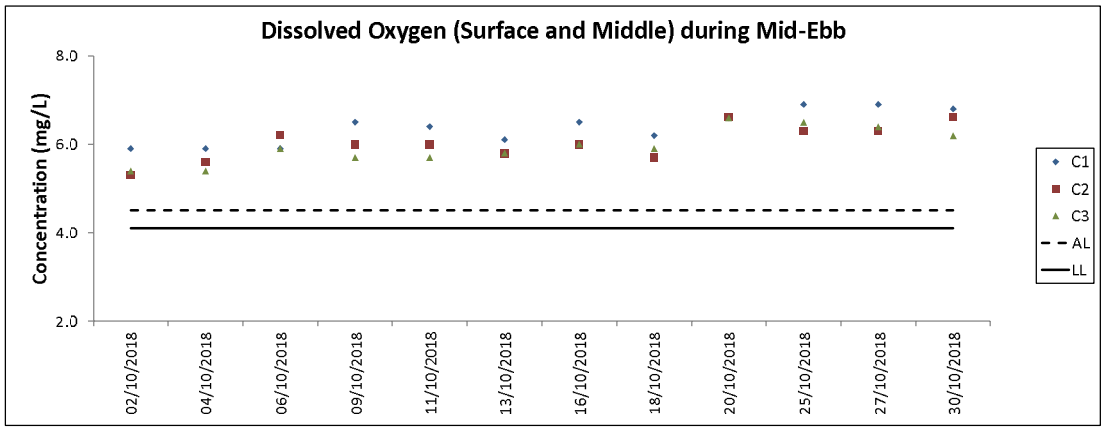
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid *(Northing)*	Coordinate HK Grid *(Easting)*	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	11:32	8.4	Surface	1.0	0.5	48	25.2	25.2	8.2	8.2	28.8	28.8	93.1	93.1	6.5	6.5	3.5	8.4	10	8	85	89	815639	804224	<0.2	<0.2	1.1	1.3
						1.0	0.5	51	25.2		8.2		28.8		93.0		6.5		3.8		10		85				<0.2		1.2	
					Middle	4.2	0.4	59	25.2	25.2	8.2	8.2	29.4	29.4	91.5	91.5	6.4		7.6		8		89				<0.2		1.3	
						4.2	0.5	59	25.2		8.2		29.4		91.4		6.4		7.7		9		88				<0.2		1.3	
					Bottom	7.4	0.5	12	25.2	25.2	8.2	8.2	30.0	30.0	90.8	90.9	6.3	6.3	14.0		7		92				<0.2		1.2	
						7.4	0.5	12	25.2		8.2		30.0		90.9		6.3		13.7		6		92				<0.2		1.4	
C2	Fine	Rough	13:01	11.1	Surface	1.0	0.3	55	25.6	25.6	8.2	8.2	27.5	27.5	95.7	95.7	6.7	6.7	2.0	4.7	5	5	85	90	825691	806944	<0.2	<0.2	1.3	1.3
						1.0	0.4	57	25.6		8.2		27.5		95.7		6.7		2.4		5		86				<0.2		1.2	
					Middle	5.6	0.3	43	25.6	25.6	8.2	8.2	28.0	28.0	95.0	95.1	6.6		4.3		4		90				<0.2		1.2	
						5.6	0.4	47	25.6		8.2		28.0		95.1		6.6		4.4		5		90				<0.2		1.3	
					Bottom	10.1	0.4	300	25.6	25.6	8.2	8.2	28.0	28.0	96.0	96.3	6.7	6.7	7.6		4		94				<0.2		1.3	
						10.1	0.4	305	25.6		8.2		28.0		96.5		6.7		7.7		4		94				<0.2		1.2	
C3	Fine	Rough	11:09	11.0	Surface	1.0	0.5	268	25.7	25.7	8.2	8.2	29.8	29.8	92.7	92.7	6.4	6.4	4.3	5.3	5	5	84	89	822116	817780	<0.2	<0.2	1.5	1.4
						1.0	0.6	283	25.7		8.2		29.8		92.6		6.4		4.4		6		85				<0.2		1.4	
					Middle	5.5	0.6	278	25.8	25.8	8.2	8.2	30.3	30.3	92.1	92.1	6.3		5.1		4		89				<0.2		1.3	
						5.5	0.6	296	25.8		8.2		30.3		92.1		6.3		5.2		5		90				<0.2		1.3	
					Bottom	10.0	0.4	281	25.9	25.9	8.2	8.2	30.5	30.5	94.5	95.1	6.5	6.6	6.4		4		92				<0.2		1.3	
						10.0	0.4	307	25.9		8.2		30.5		95.7		6.6		6.5		4		93				<0.2		1.3	
IM1	Sunny	Moderate	11:50	5.0	Surface	1.0	0.1	41	25.2	25.2	8.2	8.2	29.0	29.0	94.2	94.2	6.6	6.6	3.3	3.4	9	9	86	88	817946	807111	<0.2	<0.2	1.3	1.3
						1.0	0.1	44	25.2		8.2		29.0		94.2		6.6		3.3		9		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	6	25.2	25.2	8.2	8.2	29.5	29.5	93.4	93.4	6.5	6.5	3.6		8		89				<0.2		1.3	
						4.0	0.2	6	25.2		8.2		29.5		93.4		6.5		3.6		8		89				<0.2		1.2	
IM2	Sunny	Moderate	11:58	7.3	Surface	1.0	0.2	41	25.2	25.2	8.2	8.2	28.5	28.5	92.7	92.7	6.5	6.5	4.4	7.7	7	7	85	88	818150	806164	<0.2	<0.2	1.4	1.3
						1.0	0.2	44	25.2		8.2		28.5		92.6		6.5		4.6		6		85				<0.2		1.4	
					Middle	3.7	0.3	12	25.2	25.2	8.2	8.2	29.2	29.2	91.9	91.9	6.4		6.8		7		88				<0.2		1.4	
						3.7	0.4	12	25.2		8.2		29.2		91.8		6.4		7.0		7		88				<0.2		1.2	
					Bottom	6.3	0.3	347	25.1	25.1	8.2	8.2	29.3	29.3	91.3	91.3	6.4	6.4	11.9		6		91				<0.2		1.2	
						6.3	0.3	319	25.1		8.2		29.3		91.3		6.4		11.6		6		91				<0.2		1.2	
IM3	Sunny	Moderate	12:05	7.5	Surface	1.0	0.2	11	25.2	25.2	8.1	8.1	28.6	28.7	90.9	90.8	6.4	6.3	4.5	12.8	8	7	85	88	818760	805587	<0.2	<0.2	1.3	1.4
						1.0	0.2	11	25.2		8.1		28.7		90.6		6.3		4.6		8		85				<0.2		1.3	
					Middle	3.8	0.3	1	25.1	25.1	8.1	8.1	29.2	29.2	89.9	89.9	6.3		14.4		8		88				<0.2		1.3	
						3.8	0.3	1	25.1		8.1		29.2		89.9		6.3		14.3		7		87				<0.2		1.5	
					Bottom	6.5	0.4	356	25.1	25.1	8.1	8.1	29.3	29.3	90.3	90.4	6.3	6.3	19.4		7		91				<0.2		1.4	
						6.5	0.4	328	25.1		8.1		29.3		90.4		6.3		19.8		6		91				<0.2		1.4	
IM4	Sunny	Moderate	12:14	7.7	Surface	1.0	0.4	353	25.2	25.2	8.2	8.2	28.8	28.9	91.5	91.4	6.4	6.4	4.2	12.8	8	7	85	88	819711	804602	<0.2	<0.2	1.4	1.3
						1.0	0.4	357	25.2		8.2		28.9		91.2		6.4		4.3		8		86				<0.2		1.3	
					Middle	3.9	0.3	356	25.1	25.1	8.1	8.1	29.3	29.3	90.2	90.2	6.3		13.7		7		88				<0.2		1.3	
						3.9	0.3	328	25.1		8.1		29.3		90.2		6.3		13.4		7		88				<0.2		1.2	
					Bottom	6.7	0.4	3	25.1	25.1	8.1	8.1	29.3	29.3	90.6	90.7	6.3	6.3	20.4		6		91				<0.2		1.4	
						6.7	0.4	3	25.1		8.1		29.3		90.8		6.3		20.5		5		91				<0.2		1.4	
IM5	Sunny	Moderate	12:22	6.8	Surface	1.0	0.4	16	25.2	25.2	8.1	8.1	28.5	28.5	90.5	90.5	6.3	6.3	7.3	13.4	9	11	85	88	820755	804849	<0.2	<0.2	1.4	1.3
						1.0	0.4	17	25.2		8.1		28.5		90.4		6.3		7.3		9		85				<0.2		1.2	
					Middle	3.4	0.5	354	25.1	25.1	8.1	8.1	28.7	28.7	89.7	89.7	6.3		14.4		11		87				<0.2		1.3	
						3.4	0.5	326	25.1		8.1		28.7		89.7		6.3		14.9		11		88				<0.2		1.2	
					Bottom	5.8	0.4	8	25.1	25.1	8.1	8.1	28.7	28.7	89.8	89.9	6.3	6.3	18.1		14		90				<0.2		1.2	
						5.8	0.4	8	25.1		8.1		28.7		89.9		6.3		18.3		14		90				<0.2		1.5	
IM6	Sunny	Moderate	12:28	7.1	Surface	1.0	0.3	358	25.3	25.3	8.2	8.2	28.5	28.5	90.1	90.1	6.3	6.3	5.3	6.4	7	10	85	88	821043	805833	<0.2	<0.2	1.4	1.4
						1.0	0.3	329	25.3		8.2		28.5		90.1		6.3		5.3		8		85				<0.2		1.4	
					Middle	3.6	0.2	343	25.2	25.2	8.2	8.2	28.7	28.7	89.4	89.4	6.3		7.1		9		88				<0.2		1.5	
						3.6	0.2	348	25.2		8.2		28.7		89.4		6.3		7.1		10		88				<0.2		1.4	
					Bottom	6.1	0.1	8	25.1	25.1	8.2	8.2	28.7	28.7	89.6	89.7	6.3	6.3	6.8		14		90				<0.2		1.4	
						6.1	0.1	8	25.1		8.2		28.7		89.8		6.3		6.9		12		91				<0.2		1.4	
IM7	Sunny	Moderate	12:35	8.5	Surface	1.0	0.2	242	25.5	25.5	8.1	8.1	27.6	27.6	89.7	89.8	6.3	6.3	3.4	5.6	5	6	83	87	821336	806830	<0.2	<0.2	1.4	1.6
						1.0	0.2	248	25.5		8.1		27.7		89.8		6.3		3.7		4		83				<0.2		1.7	
					Middle	4.3	0.1	208	25.2	25.2	8.2	8.2	28.6	28.6	89.7	89.7	6.3		6.2		5		87				<0.2		1.7	
						4.3	0.1	218	25.2		8.2		28.6		89.7		6.3		6.2		6		87				<0.2		1.7	
					Bottom	7.5	0.0	192	25.2	25.2	8.2	8.2	29.0	29.0	89.7	89.7	6.3	6.3	7.1		8		90				<0.2		1.6	
						7.5	0.0	207	25.2		8.2		29.0		89.7		6.3		7.0		8		90				<0.2		1.6	
IM8	Fine	Rough	12:35	7.5	Surface	1.0	0.2	95	25.6	25.6	8.2	8.2	28.1	28.1	97.9	98.0	6.8	6.8	4.1	5.5	6	6	86	90	821820	808133	<0.2	<0.2	1.3	1.4
						1.0	0.2	100	25.6		8.2		28.1		98.1		6.8		4.3		7		86				<0.2		1.4	
					Middle	3.8	0.3	74	25.6	25.6	8.2	8.2	28.4	28.4	98.8	98.8	-		5.4		6		90				<0.2		1.3	
						3.8	0.3	74	25.6		8.2		28.4		98.8		-		5.7		6		90				<0.2		1.4	
					Bottom	6.5	0.3	49	25.5	25.5	8.2	8.2	28.9	28.9	100.1	100.2	7.0	7.0	6.6		5		94				<0.2		1.5	
						6.5	0.3	49	25.5		8.2		28.9		100.2		7.0		6.7		5		94				<0.2		1.4	

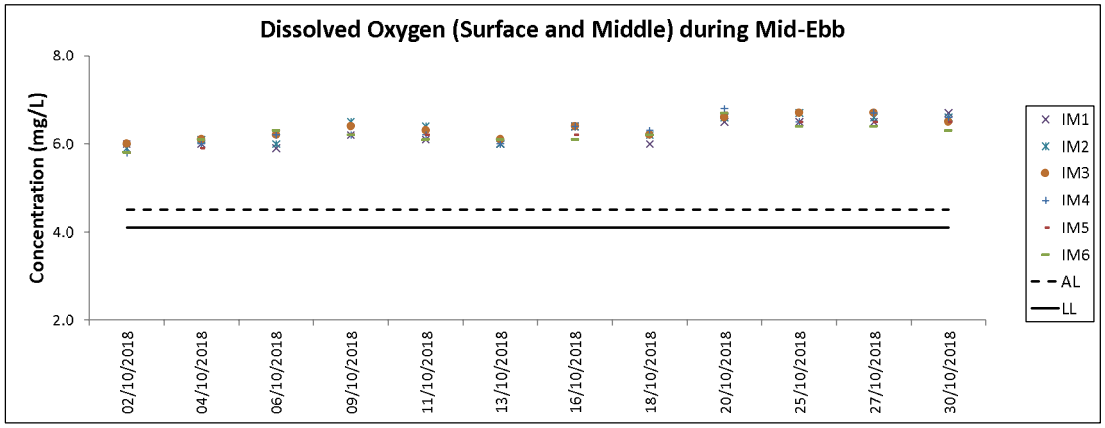
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined, **Value exceeding Limit Level is bolded and underlined**

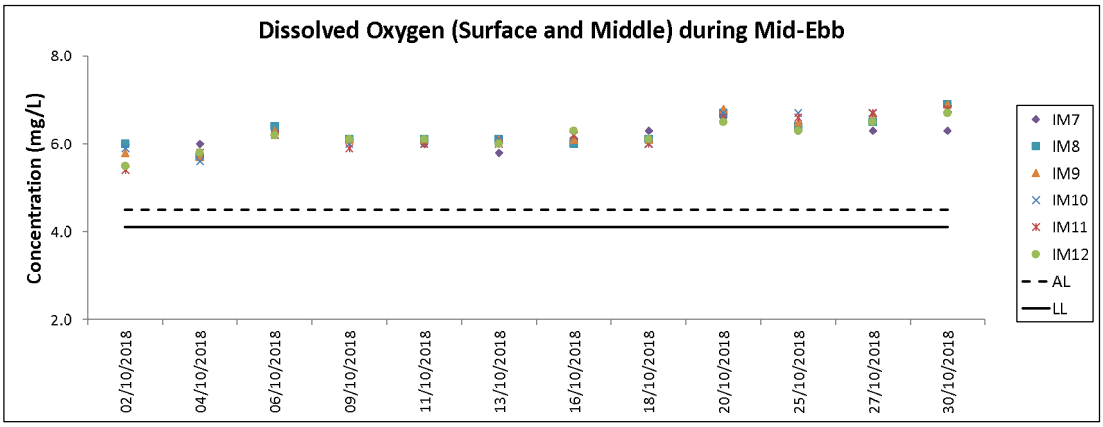
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 October 18 during Mid-Flood Tide

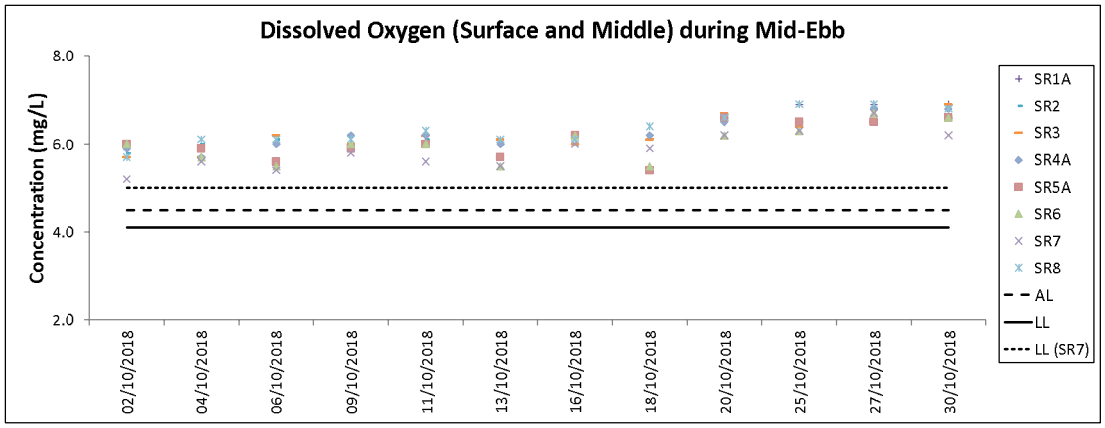
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid *(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	12:28	8.1	Surface	1.0	0.2	45	25.7	25.7	8.2	8.2	28.3	28.3	99.1	99.1	6.9	7.0	3.6	5.2	7	7	85	89	822074	808797	<0.2	<0.2	1.3	1.3
						1.0	0.3	45	25.7		8.2		28.3		99.1		6.9		3.7		8		86				<0.2		1.1	
					Middle	4.1	0.3	26	25.7	25.7	8.3	8.3	28.5	28.5	100.3	100.4	7.0		5.6		6		88				<0.2		1.4	
						4.1	0.3	26	25.7		8.3		28.5		100.5		7.0		5.6		7		89				<0.2		1.4	
					Bottom	7.1	0.3	7	25.7	25.7	8.3	8.3	28.7	28.7	101.7	101.8	7.1	7.1	6.3		7		93				<0.2		1.4	
						7.1	0.3	7	25.7		8.3		28.7		101.8		7.1		6.3		7		94				<0.2		1.3	
IM10	Fine	Rough	12:21	7.6	Surface	1.0	0.4	322	25.5	25.5	8.2	8.2	29.4	29.4	97.0	97.1	6.7	6.7	8.5	9.9	6	7	85	89	822375	809806	<0.2	<0.2	1.2	1.4
						1.0	0.5	323	25.5		8.2		29.4		97.1		6.7		8.7		5		86				<0.2		1.1	
					Middle	3.8	0.5	322	25.5	25.5	8.2	8.2	29.4	29.4	97.1	97.2	6.7		9.5		8		88				<0.2		1.5	
						3.8	0.5	349	25.5		8.2		29.4		97.2		6.7		9.7		7		89				<0.2		1.4	
					Bottom	6.6	0.3	322	25.5	25.5	8.3	8.3	29.4	29.4	98.1	98.3	6.8	6.8	11.3		7		93				<0.2		1.5	
						6.6	0.3	325	25.5		8.3		29.4		98.5		6.8		11.5		8		94				<0.2		1.6	
IM11	Fine	Rough	12:10	7.7	Surface	1.0	0.4	302	25.6	25.6	8.2	8.2	29.4	29.4	97.9	98.0	6.8	6.8	4.5	5.7	11	8	85	89	822045	811461	<0.2	<0.2	1.3	1.4
						1.0	0.4	311	25.6		8.2		29.4		98.0		6.8		4.6		10		85				<0.2		1.3	
					Middle	3.9	0.4	303	25.6	25.6	8.2	8.2	29.4	29.4	98.5	98.6	-		5.7		7		89				<0.2		1.2	
						3.9	0.4	335	25.6		8.2		29.4		98.6		-		5.9		7		89				<0.2		1.5	
					Bottom	6.7	0.3	310	25.5	25.5	8.3	8.3	29.4	29.4	100.4	100.8	7.0	7.0	6.8		7		94				<0.2		1.6	
						6.7	0.3	319	25.5		8.3		29.4		101.2		7.0		6.8		8		94				<0.2		1.4	
IM12	Fine	Rough	12:03	8.4	Surface	1.0	0.3	265	25.5	25.5	8.3	8.3	29.5	29.5	99.4	99.4	6.9	6.9	3.5	5.2	7	8	85	90	821466	812063	<0.2	<0.2	1.3	1.3
						1.0	0.3	267	25.5		8.3		29.5		99.4		6.9		3.6		7		85				<0.2		1.3	
					Middle	4.2	0.2	271	25.4	25.4	8.3	8.3	29.5	29.5	103.2	103.3	-		5.3		8		90				<0.2		1.4	
						4.2	0.2	287	25.4		8.3		29.5		103.4		-		5.4		8		91				<0.2		1.4	
					Bottom	7.4	0.2	273	25.4	25.4	8.3	8.3	29.5	29.5	104.4	105.1	7.2	7.3	6.6		9		93				<0.2		1.3	
						7.4	0.2	293	25.4		8.3		29.5		105.7		7.3		6.7		8		93				<0.2		1.3	
SR1A	Fine	Rough	11:42	7.2	Surface	1.0	-	-	25.5	25.5	8.2	8.2	29.5	29.5	98.1	98.1	6.8	6.8	4.5	5.5	5	4	-	-	820065	812581	-	-	-	-
						1.0	-	-	25.5		8.2		29.5		98.1		6.8		4.9		4		-				-		-	
					Middle	3.6	-	-	25.5	25.5	8.2	8.2	29.5	29.5	98.3	98.3	6.8		5.2		4		-				-		-	
						3.6	-	-	25.5		8.2		29.5		98.3		6.8		5.3		3		-				-		-	
					Bottom	6.2	-	-	25.5	25.5	8.2	8.2	29.5	29.5	98.7	98.8	6.8	6.9	6.4		3		-				-		-	
						6.2	-	-	25.5		8.2		29.5		98.8		6.9		6.6		4		-				-		-	
SR2	Fine	Rough	11:30	4.2	Surface	1.0	0.3	312	25.5	25.5	8.2	8.2	29.5	29.5	97.7	97.8	6.8	6.8	4.7	5.3	4	4	85	89	821477	814181	<0.2	<0.2	1.3	1.4
						1.0	0.3	333	25.5		8.2		29.5		97.8		6.8		4.8		4		85				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	311	25.4	25.4	8.3	8.3	29.5	29.5	98.3	98.4	6.8	6.8	5.8		4		93				<0.2		1.5	
						3.2	0.3	313	25.4		8.3		29.5		98.5		6.8		5.9		5		93				<0.2		1.6	
SR3	Fine	Rough	12:41	9.1	Surface	1.0	0.2	48	25.5	25.5	8.2	8.2	28.4	28.4	98.7	98.7	6.9	6.9	5.2	6.6	7	6	-	-	822168	807580	-	-	-	-
						1.0	0.2	51	25.5		8.2		28.4		98.7		6.9		5.9		6		-				-		-	
					Middle	4.6	0.4	68	25.5	25.5	8.2	8.2	28.6	28.6	99.1	99.1	6.9		6.7		6		-				-		-	
						4.6	0.4	73	25.5		8.2		28.6		99.1		6.9		6.9		6		-				-		-	
					Bottom	8.1	0.3	52	25.3	25.3	8.3	8.3	29.6	29.6	99.1	99.1	6.9	6.9	7.4		6		-				-		-	
						8.1	0.4	55	25.3		8.3		29.6		99.0		6.9		7.6		6		-				-		-	
SR4A	Sunny	Calm	11:10	9.3	Surface	1.0	0.1	121	25.2	25.2	8.1	8.1	28.9	28.9	89.6	89.6	6.3	6.3	3.0	3.1	4	6	-	-	817170	807801	-	-	-	-
						1.0	0.1	123	25.2		8.1		28.9		89.6		6.3		3.1		4		-				-		-	
					Middle	4.7	0.1	74	25.1	25.1	8.1	8.1	29.0	29.0	89.2	89.2	6.3		3.1		6		-				-		-	
						4.7	0.1	75	25.1		8.1		29.0		89.2		6.3		3.1		6		-				-		-	
					Bottom	8.3	0.1	89	25.1	25.1	8.1	8.1	29.0	29.0	89.3	89.3	6.3	6.3	3.2		8		-				-		-	
						8.3	0.1	97	25.1		8.1		29.0		89.3		6.3		3.2		9		-				-		-	
SR5A	Sunny	Calm	10:54	3.6	Surface	1.0	0.1	260	25.3	25.3	8.1	8.1	28.6	28.6	91.3	91.4	6.4	6.4	5.2	5.5	5	5	-	-	816587	810716	-	-	-	-
						1.0	0.1	273	25.3		8.1		28.6		91.4		6.4		5.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	277	25.3	25.3	8.1	8.1	28.6	28.6	92.2	92.3	6.5	6.5	5.6		5		-				-		-	
						2.6	0.1	277	25.3		8.1		28.6		92.4		6.5		6.0		6		-				-		-	
SR6	Sunny	Calm	10:32	3.8	Surface	1.0	0.1	202	25.3	25.3	8.1	8.1	28.4	28.4	90.4	90.5	6.3	6.3	6.6	6.3	14	15	-	-	817904	814643	-	-	-	-
						1.0	0.1	219	25.3		8.1		28.4		90.5		6.3		6.3		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	194	25.3	25.3	8.1	8.1	28.4	28.4	91.1	91.2	6.4	6.4	5.9		16		-				-		-	
						2.8	0.1	193	25.3		8.1		28.4		91.2		6.4		6.2		16		-				-		-	
SR7	Fine	Rough	10:42	19.0	Surface	1.0	0.1	36	25.8	25.8	8.2	8.2	30.4	30.4	90.4	90.4	6.2	6.2	3.0	4.2	6	5	-	-	823630	823752	-	-	-	-
						1.0	0.2	37	25.8		8.2		30.4		90.3		6.2		3.4		5		-				-		-	
					Middle	9.5	0.2	26	25.8	25.8	8.2	8.2	30.4	30.4	89.8	89.8	6.2		4.1		4		-				-		-	
						9.5	0.2	26	25.8		8.2		30.4		89.7		6.2		4.1		4		-				-		-	
					Bottom	18.0	0.2	46	25.8	25.8	8.2	8.2	30.8	30.8	89.4	89.4	6.1	6.1	5.0		4		-				-		-	
						18.0	0.2	46	25.8		8.2		30.8		89.4		6.1		5.4		4		-				-		-	
SR8	Fine	Rough	11:51	4.2	Surface	1.0	-	-	25.4	25.4	8.3	8.3	29.3	29.3	98.5	98.5	6.8	6.8	4.6	5.3	4	4	-	-	820524	811643	-	-	-	-
						1.0	-	-	25.4		8.3		29.3		98.5		6.8		4.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	25.4	25.4	8.3	8.3	29.6	29.6	101.3	101.4	7.0	7.0	5.7		4		-				-		-	
						3.2	-	-	25.4		8.3		29.6		101.5		7.0		5.9		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.


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
27/10/2018
30/10/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
27/10/2018
30/10/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
27/10/2018
30/10/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
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SR2
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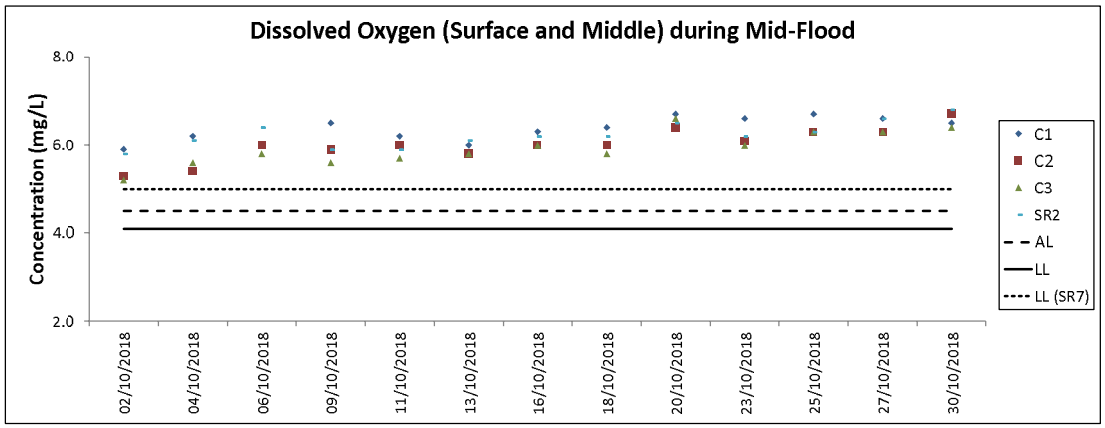
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
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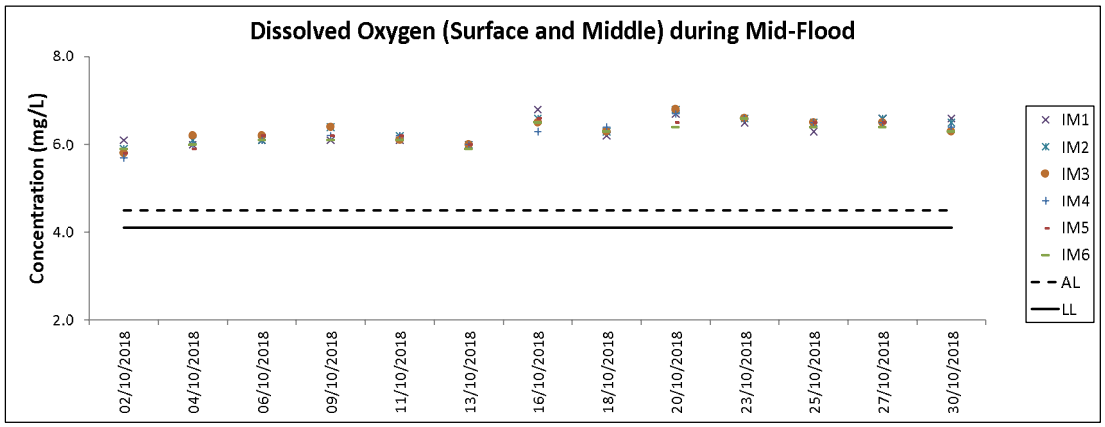
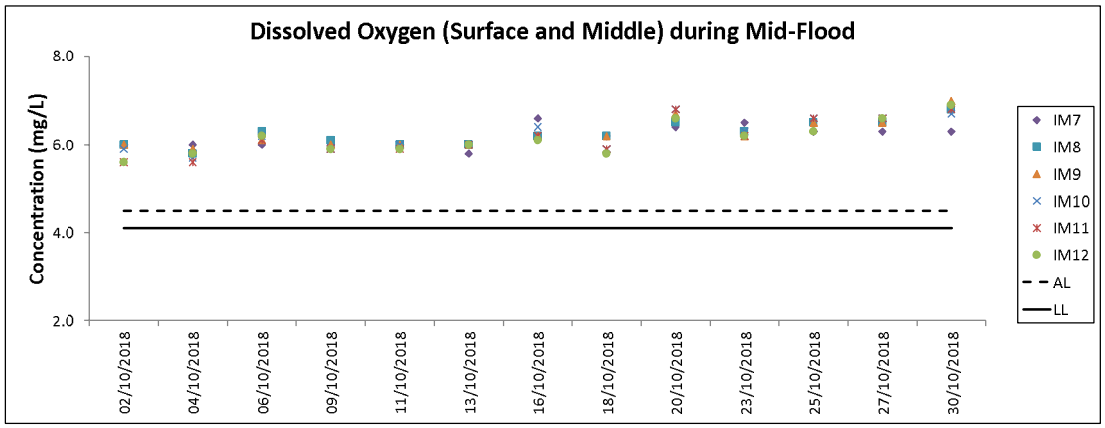
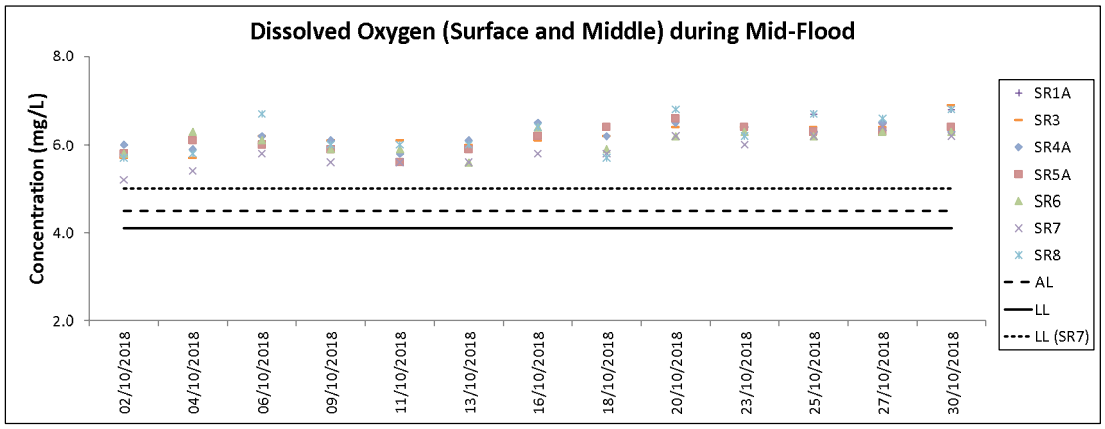
C1
C2
C3
SR2
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
23/10/2018
25/10/2018
27/10/2018
30/10/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
23/10/2018
25/10/2018
27/10/2018
30/10/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
23/10/2018
25/10/2018
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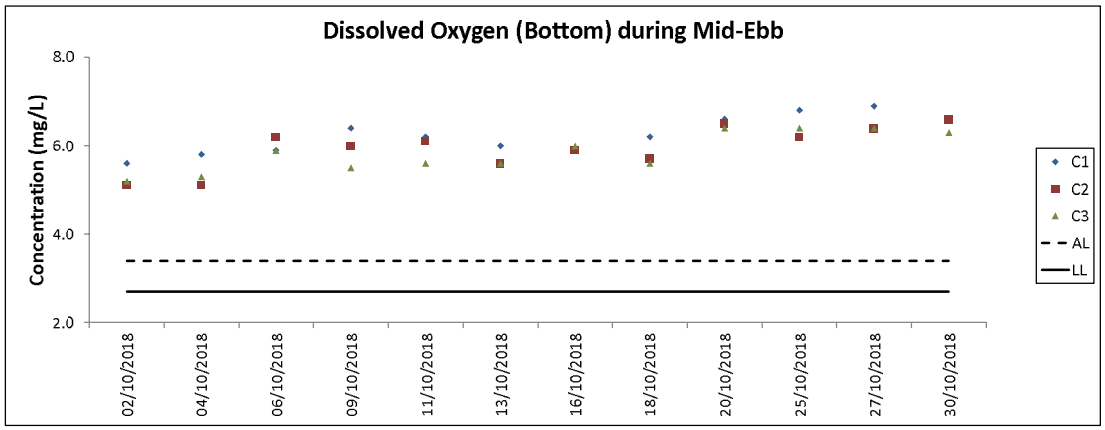
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
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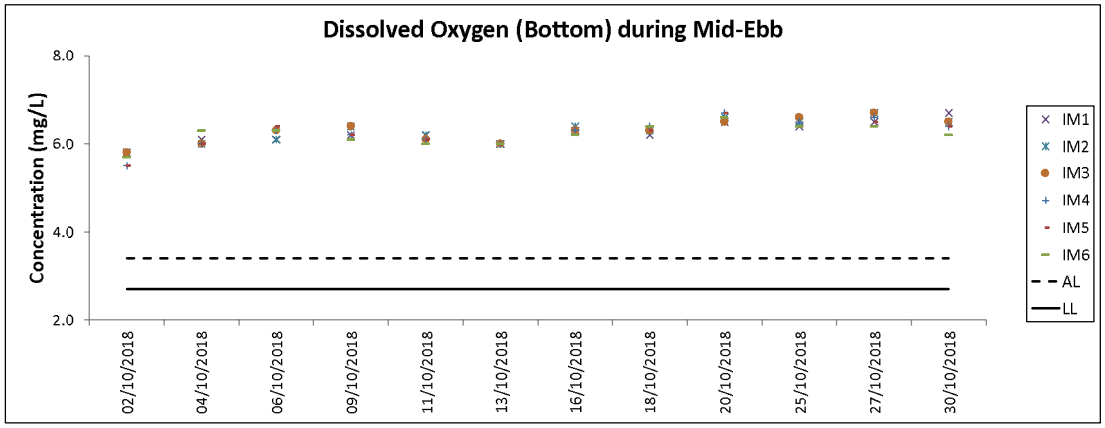
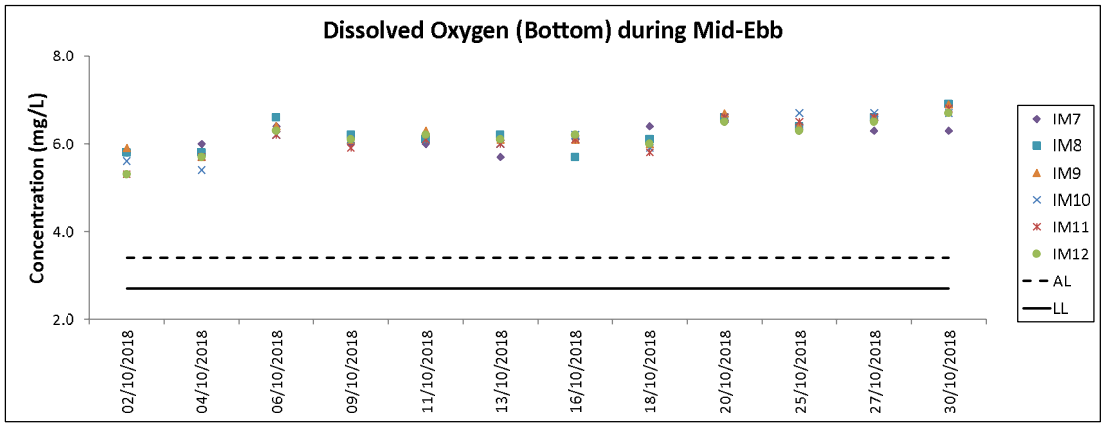
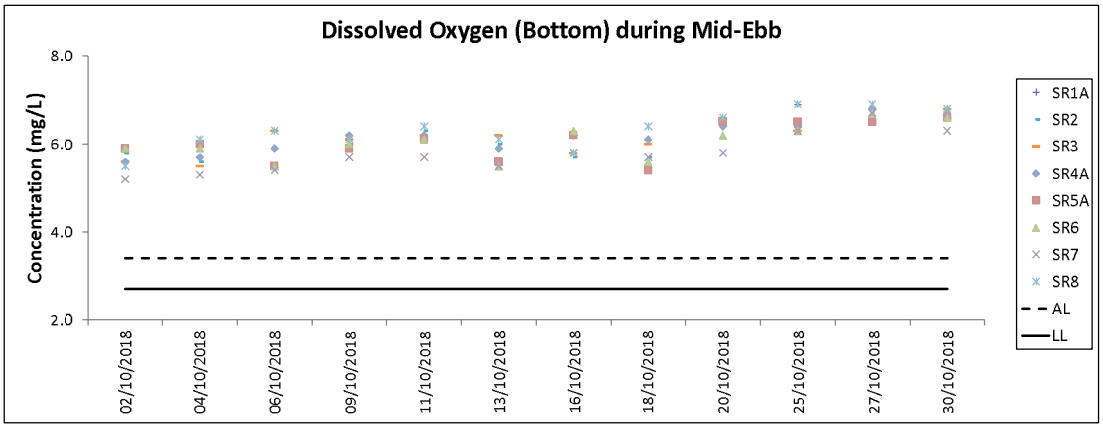
27/10/2018
30/10/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
27/10/2018
30/10/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
27/10/2018
30/10/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
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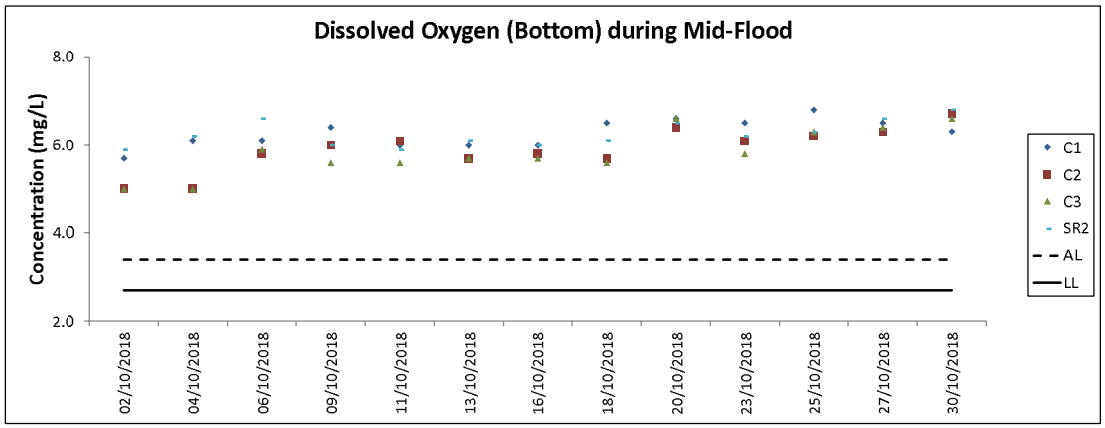
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
25/10/2018
27/10/2018
30/10/2018
SR1A
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
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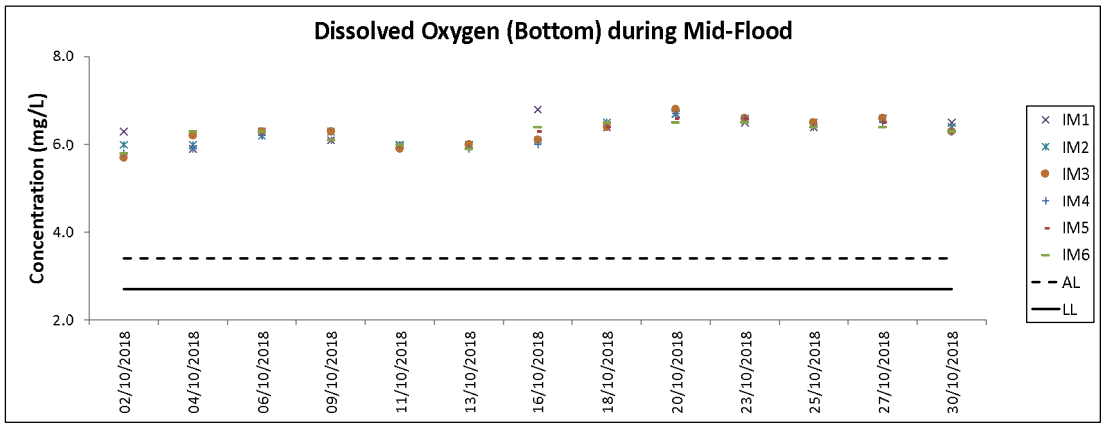
30/10/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
23/10/2018
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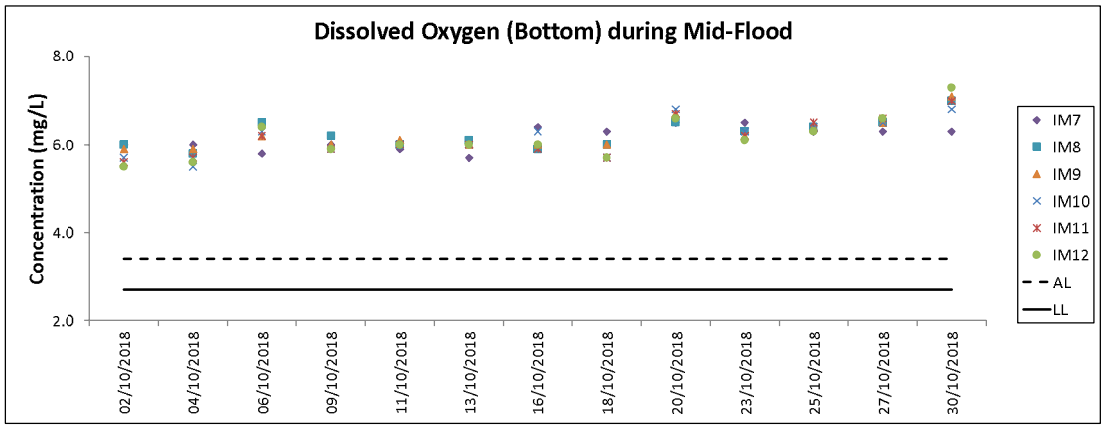
27/10/2018
30/10/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
23/10/2018
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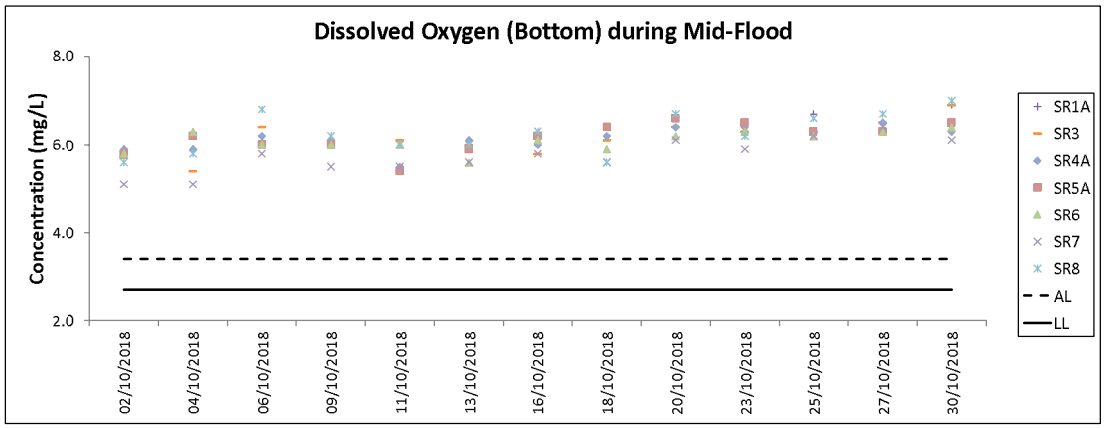
27/10/2018
30/10/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
02/10/2018
04/10/2018
06/10/2018
09/10/2018
11/10/2018
13/10/2018
16/10/2018
18/10/2018
20/10/2018
23/10/2018
25/10/2018
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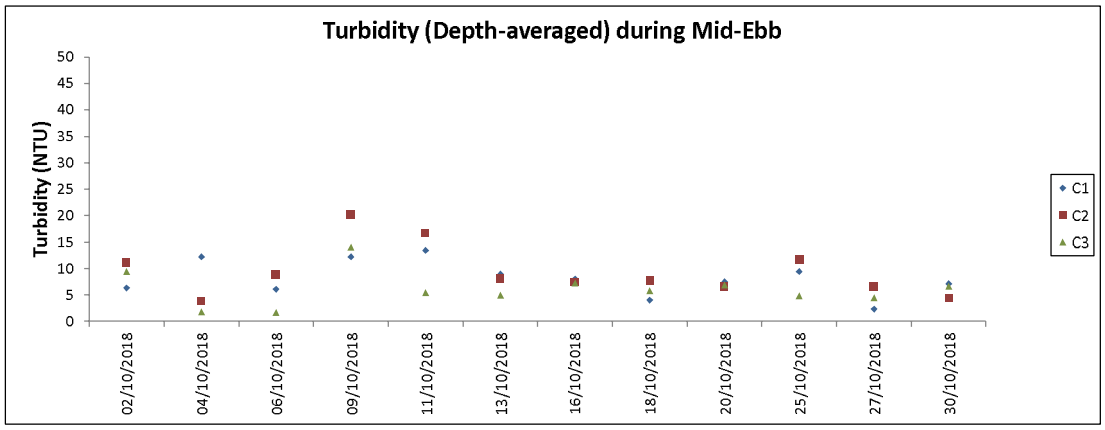
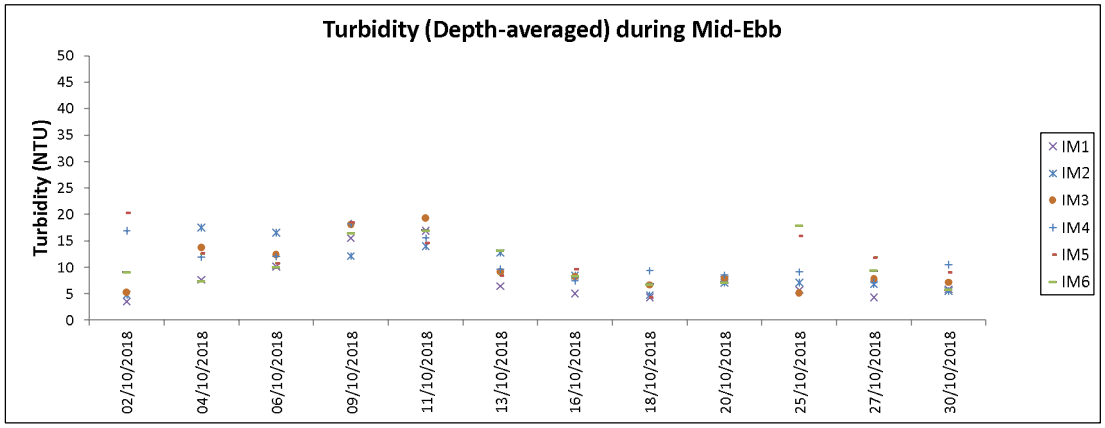
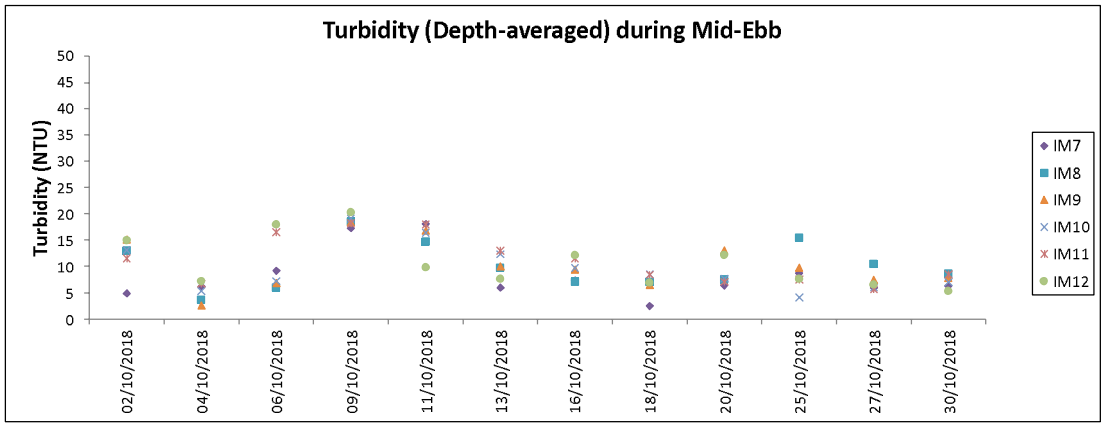
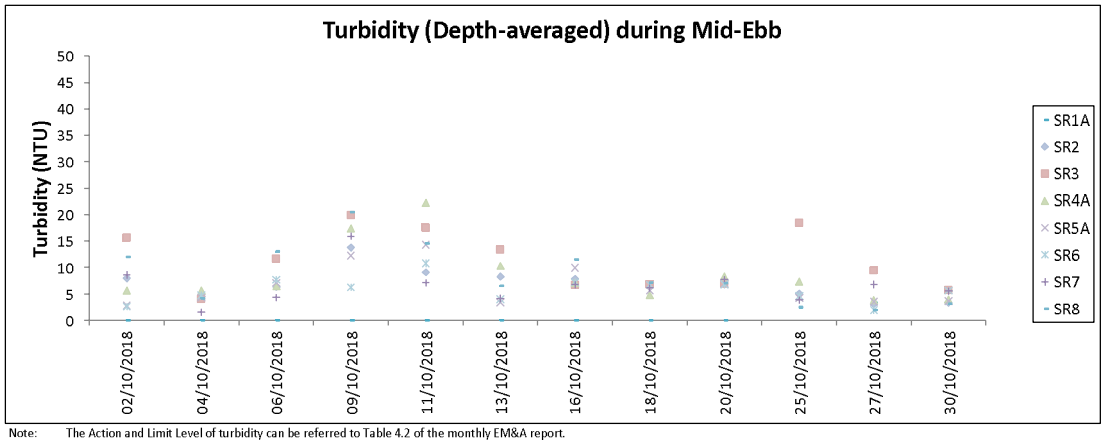
30/10/2018
SR1A
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

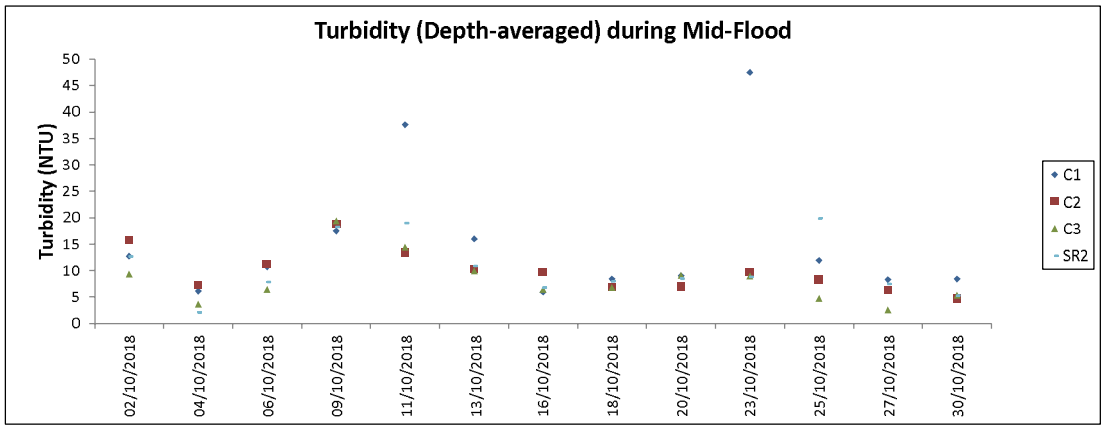


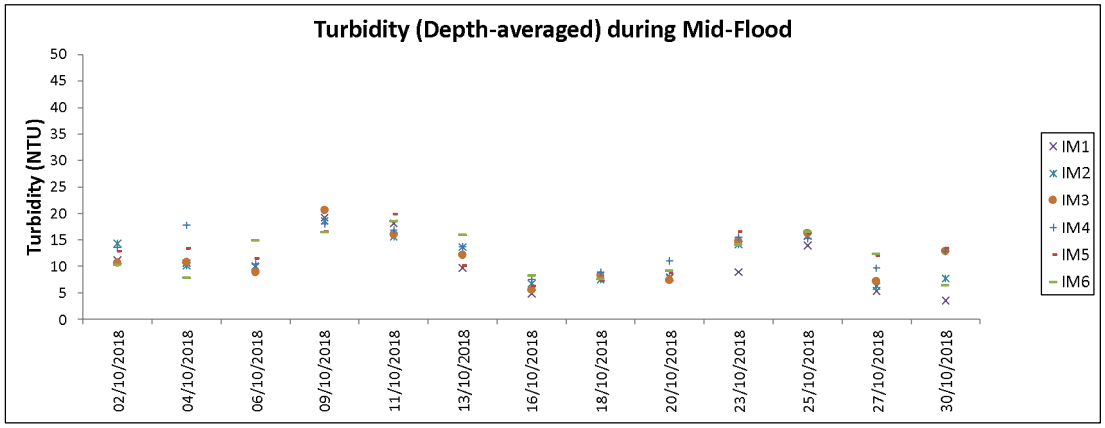


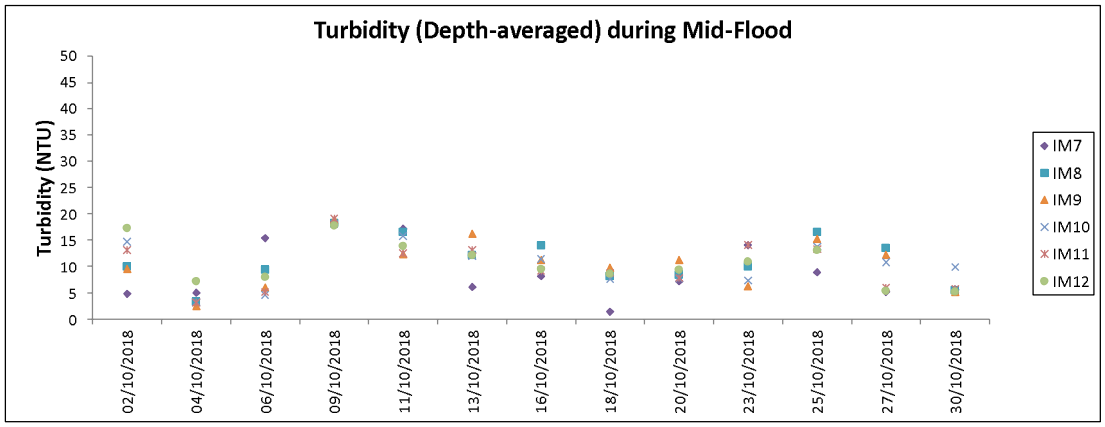


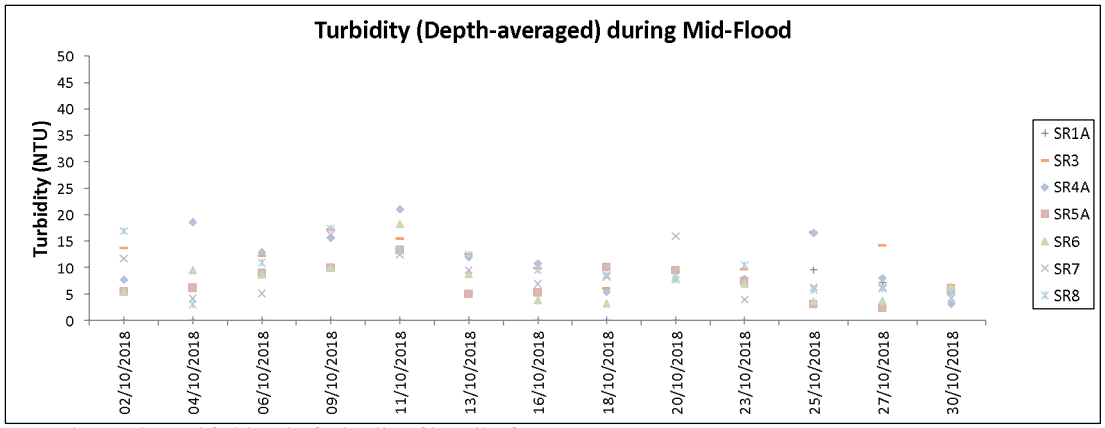


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

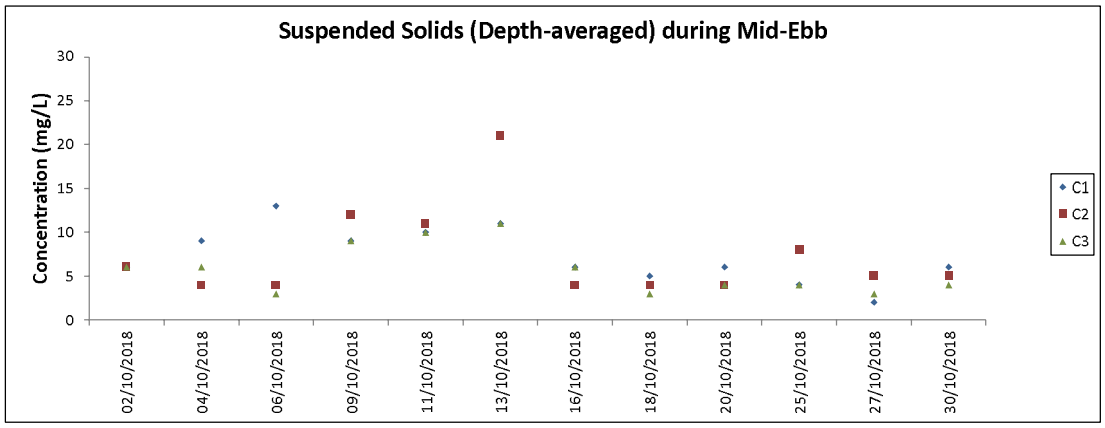


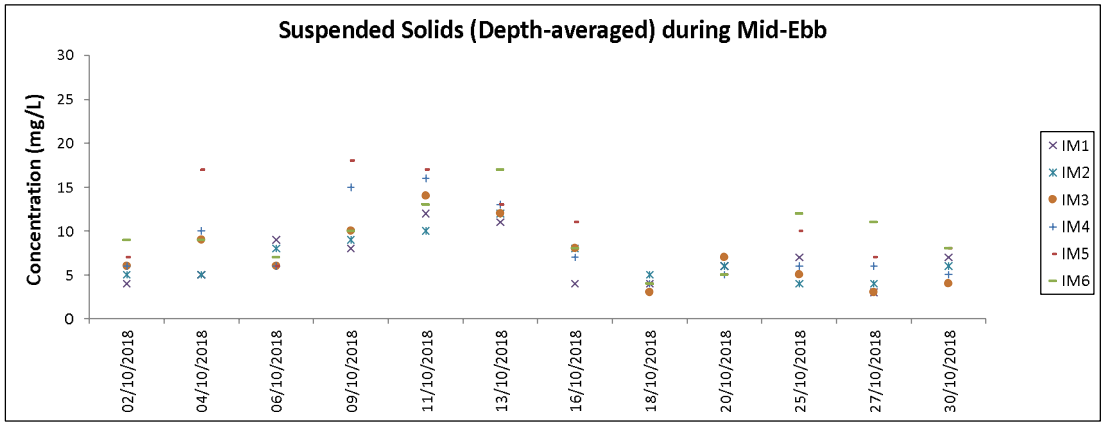


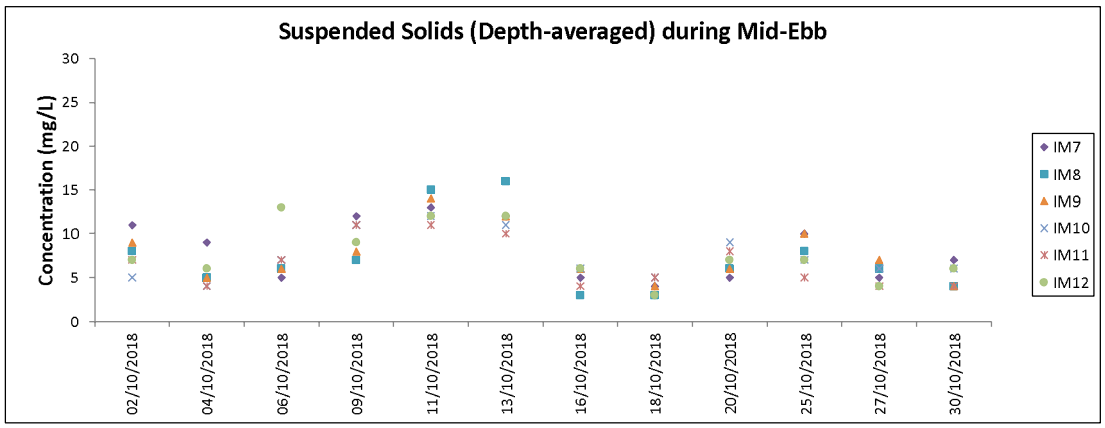


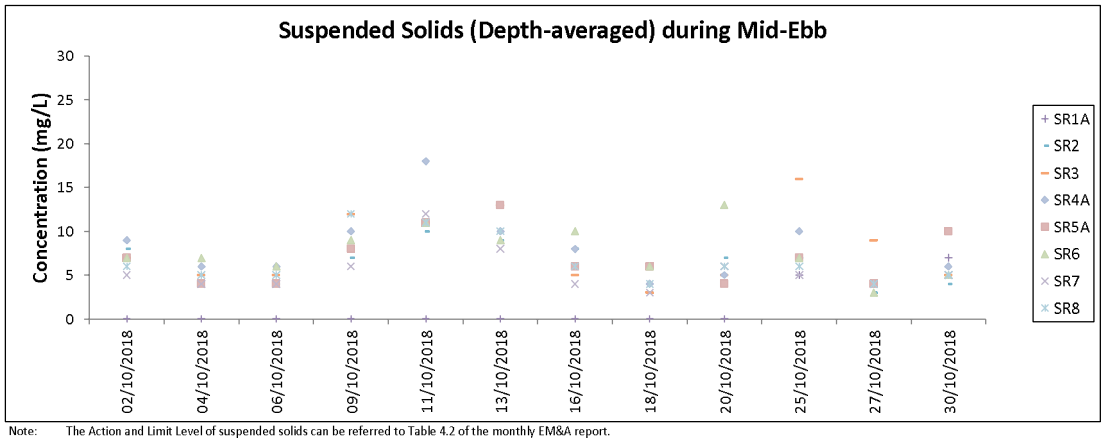


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

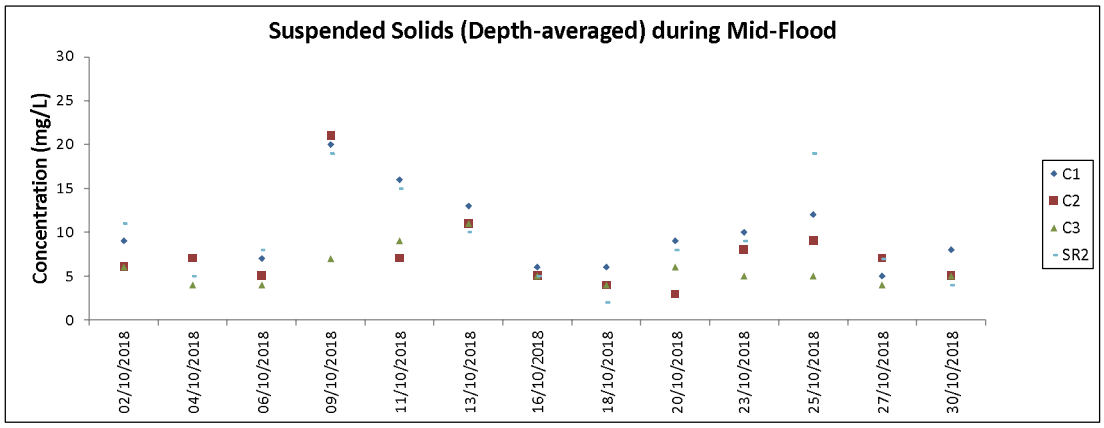


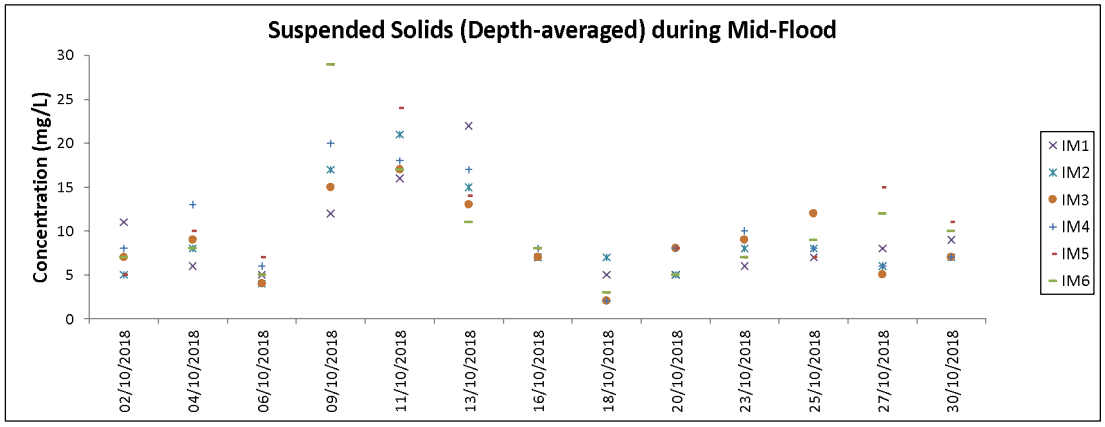


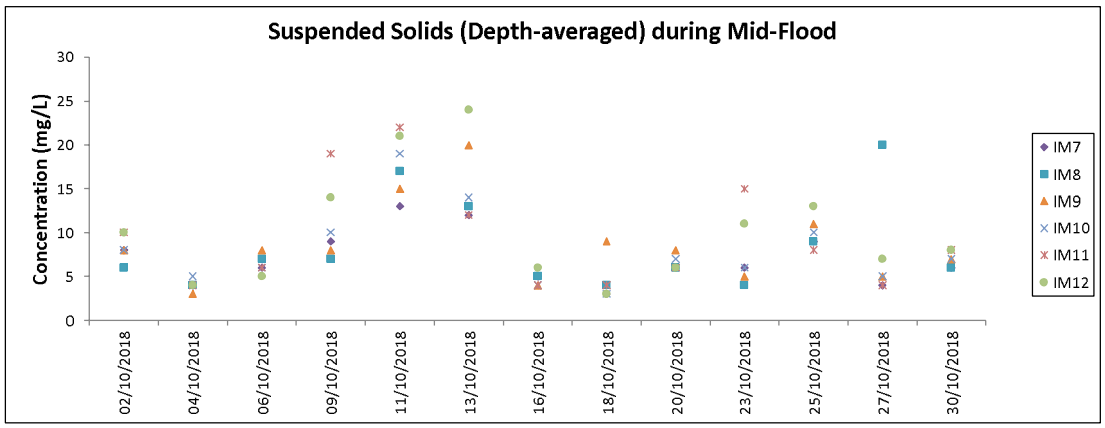


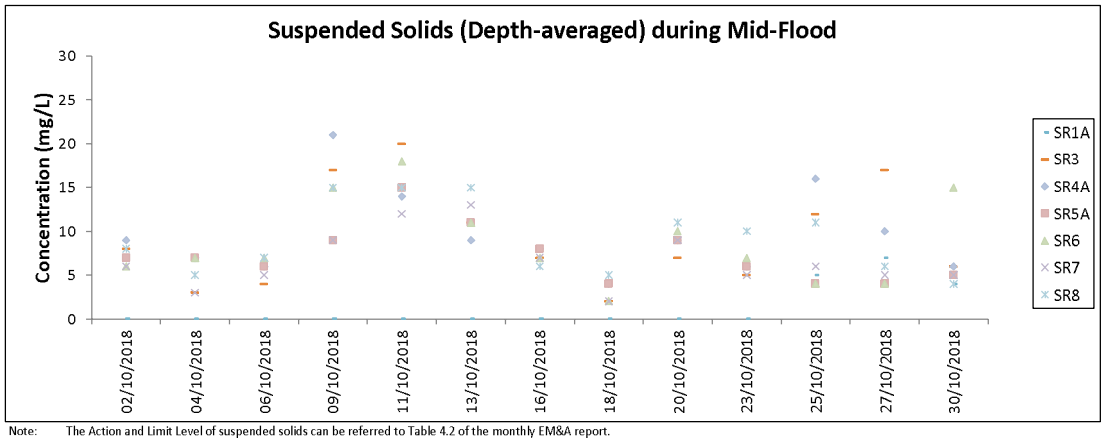


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

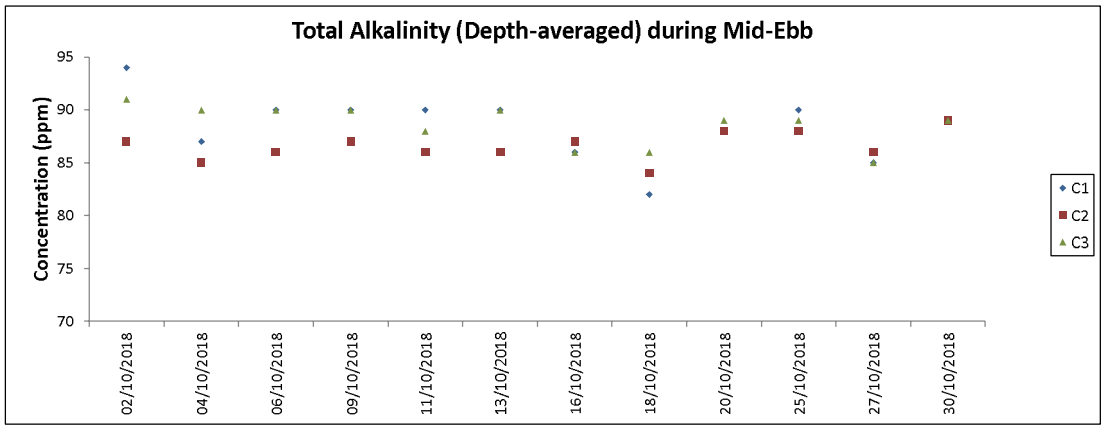


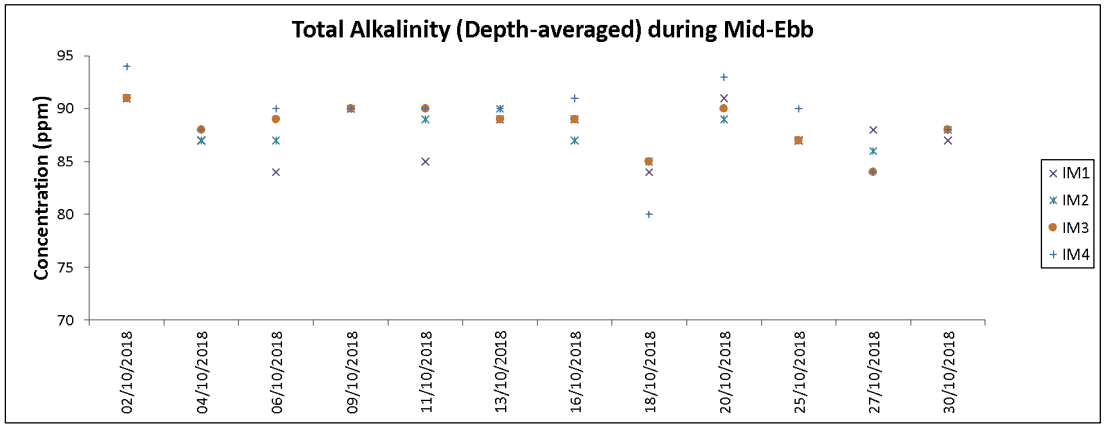


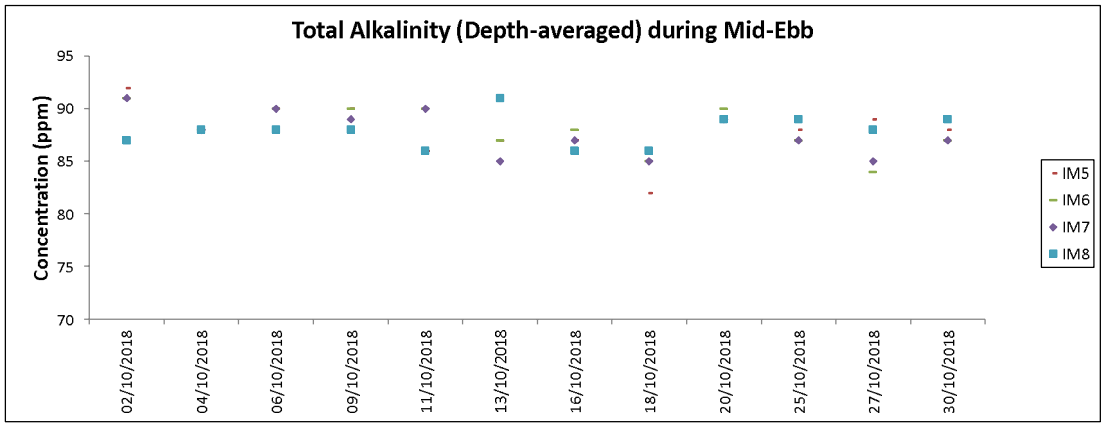


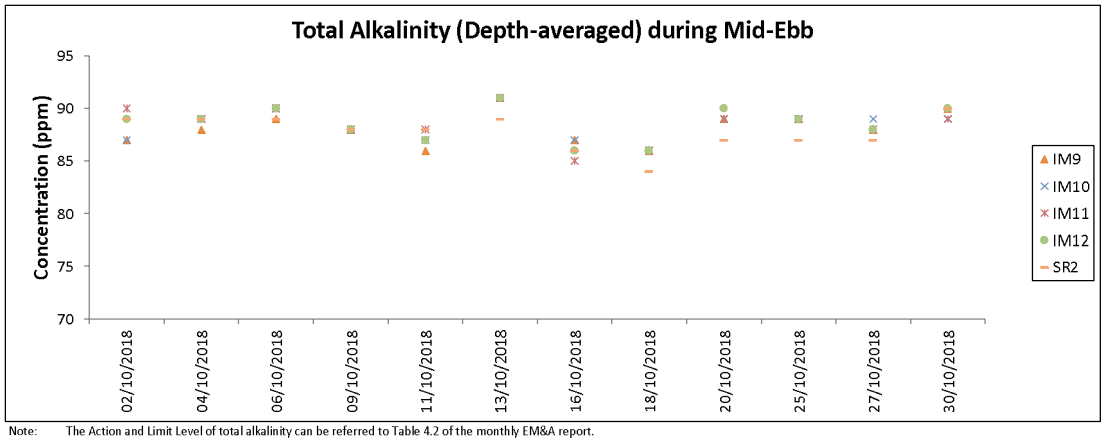


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

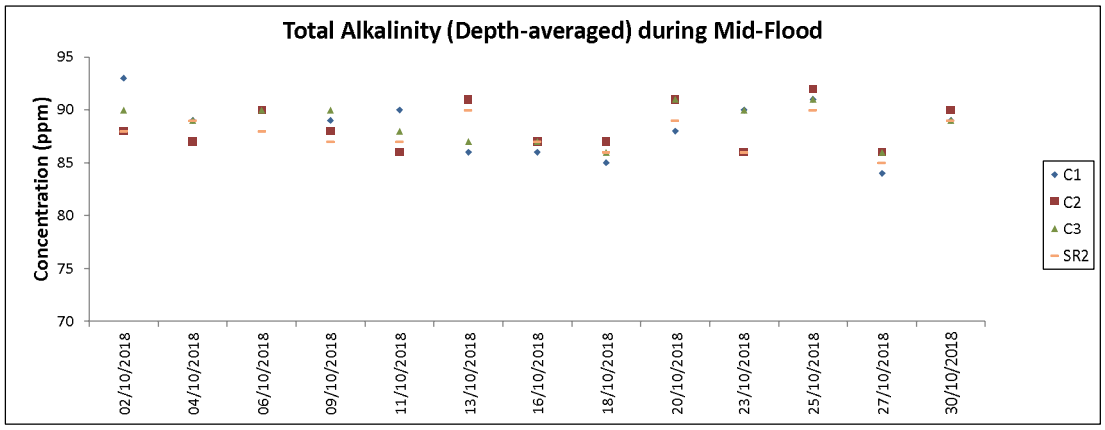


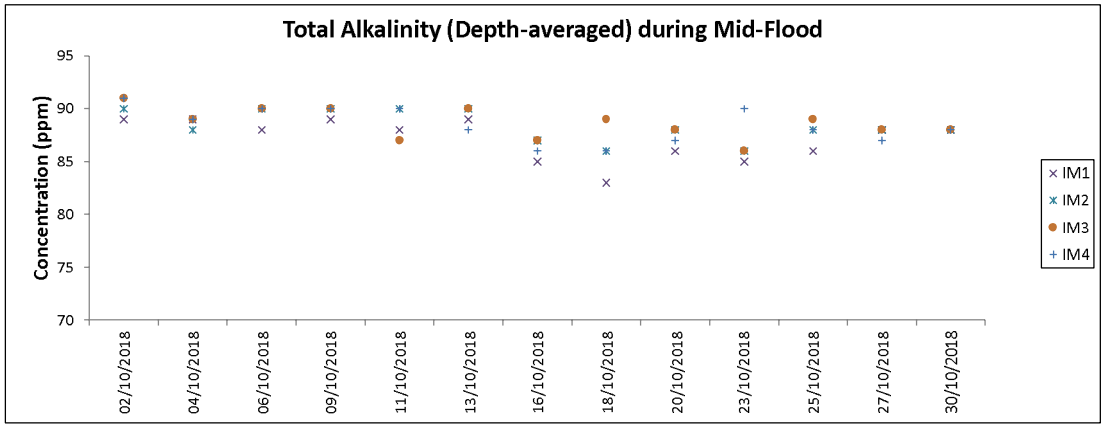


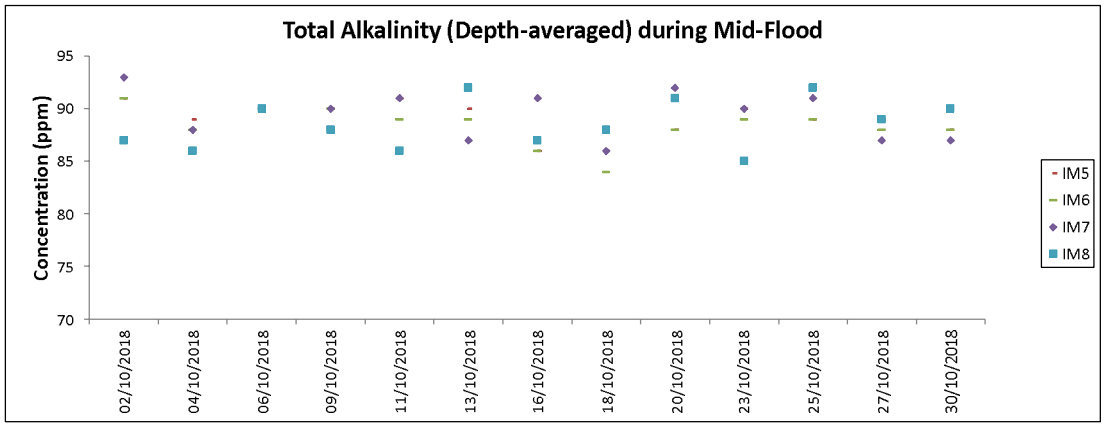


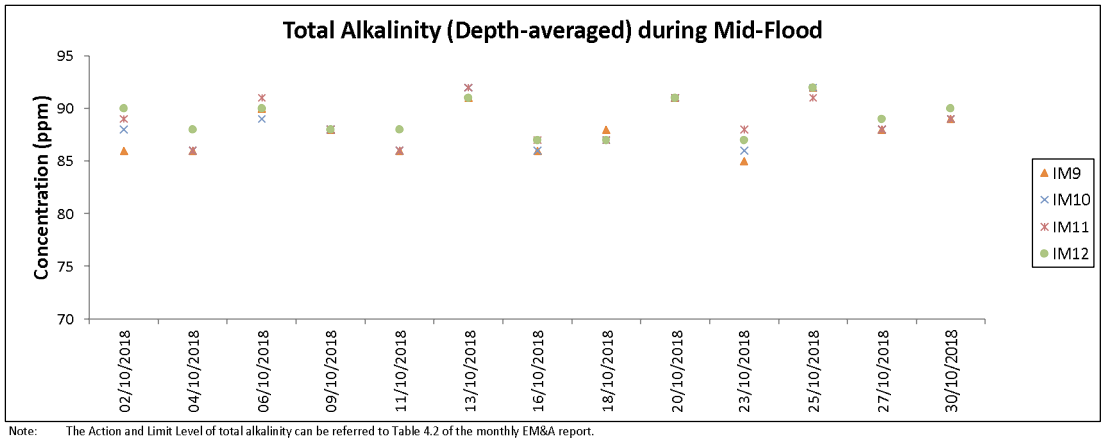


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

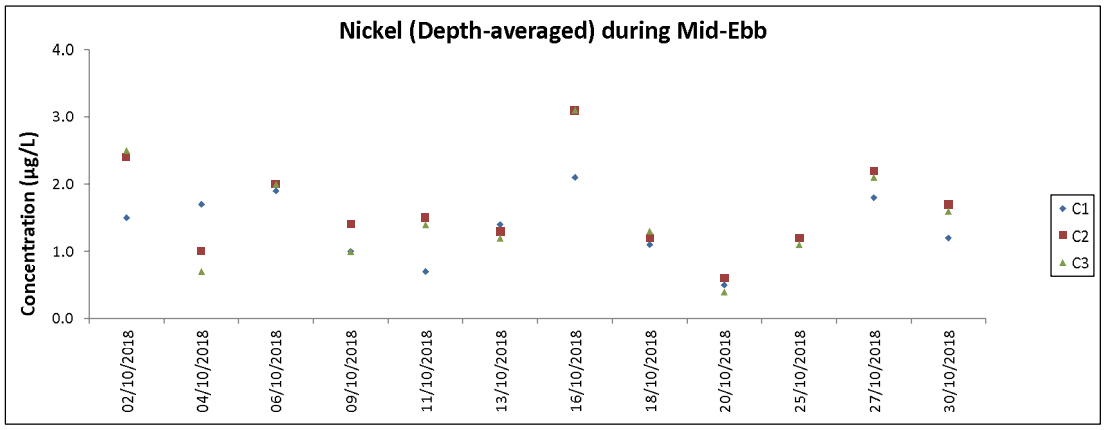


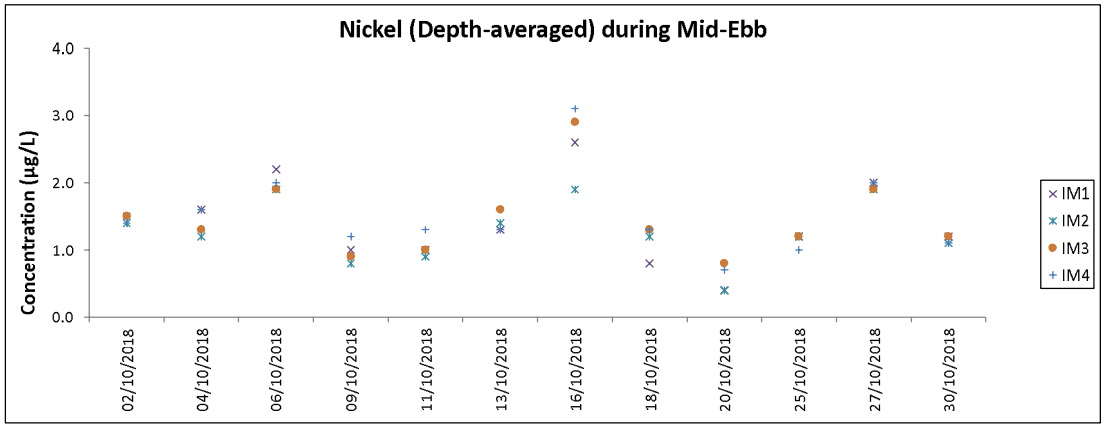


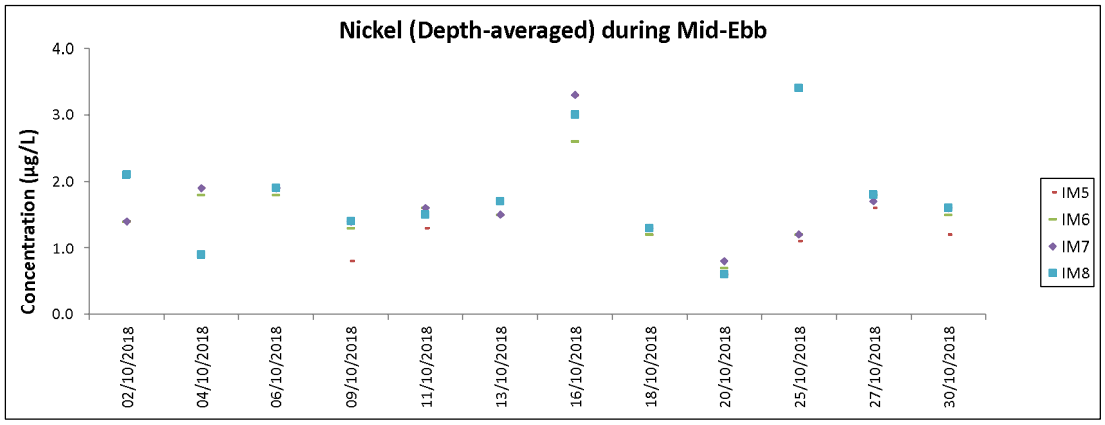


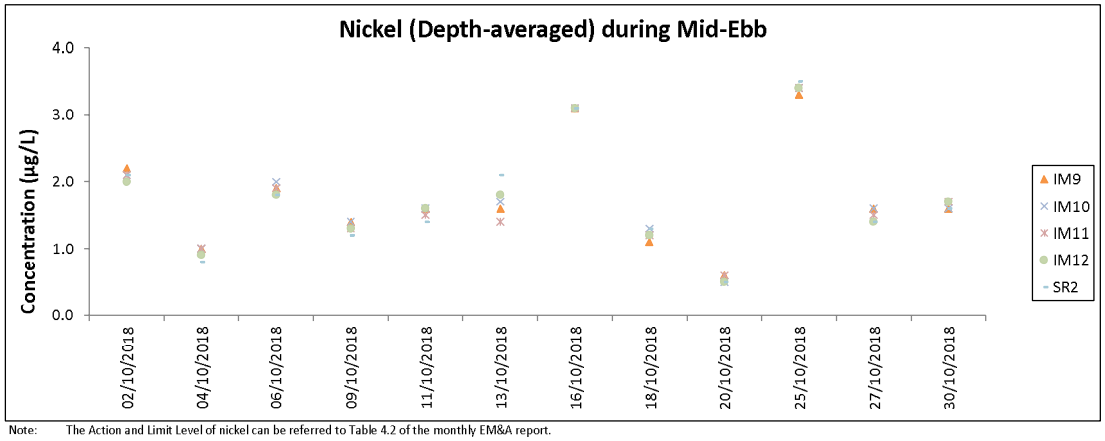


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

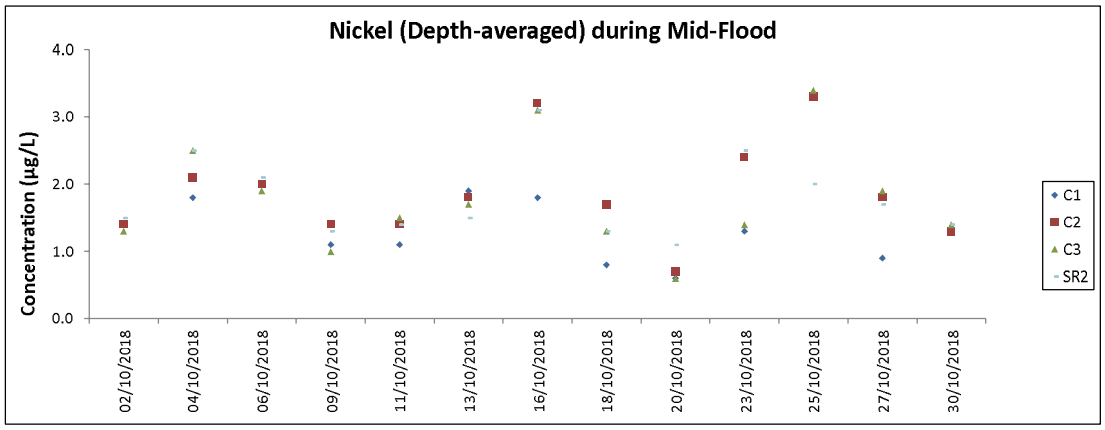


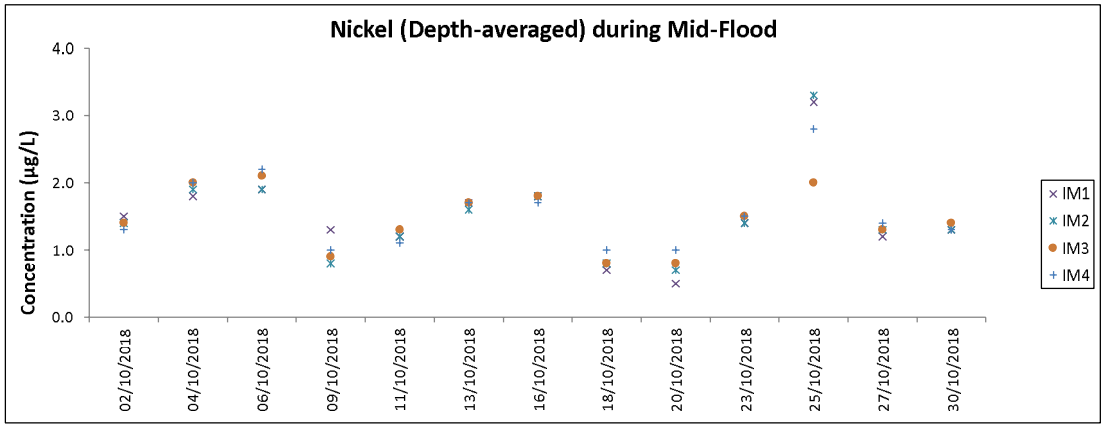


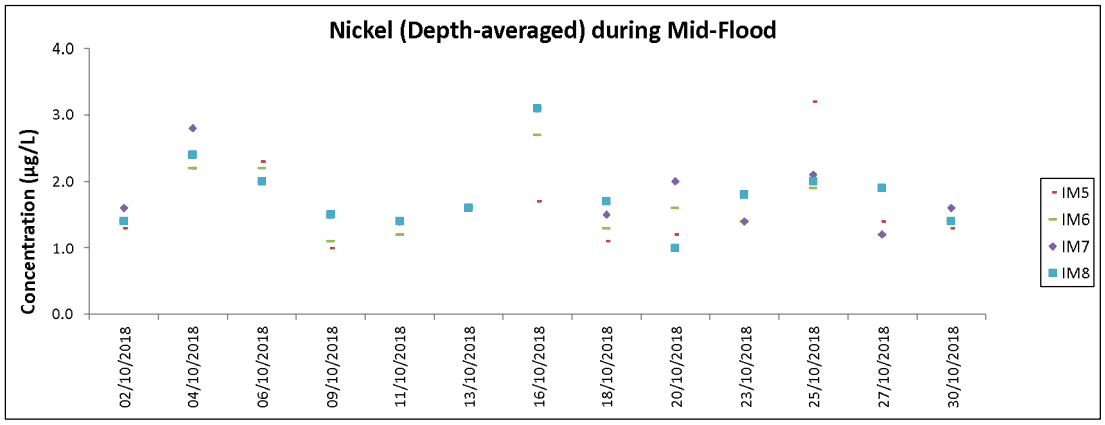


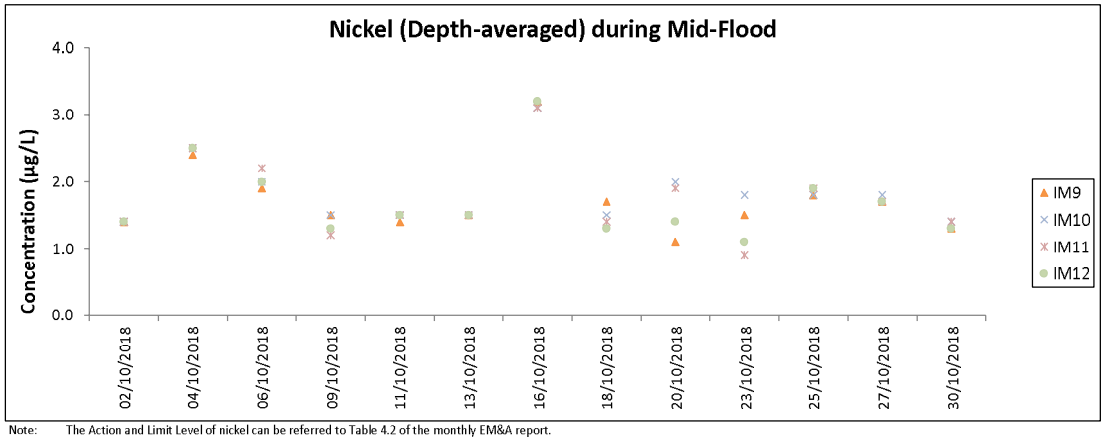


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.

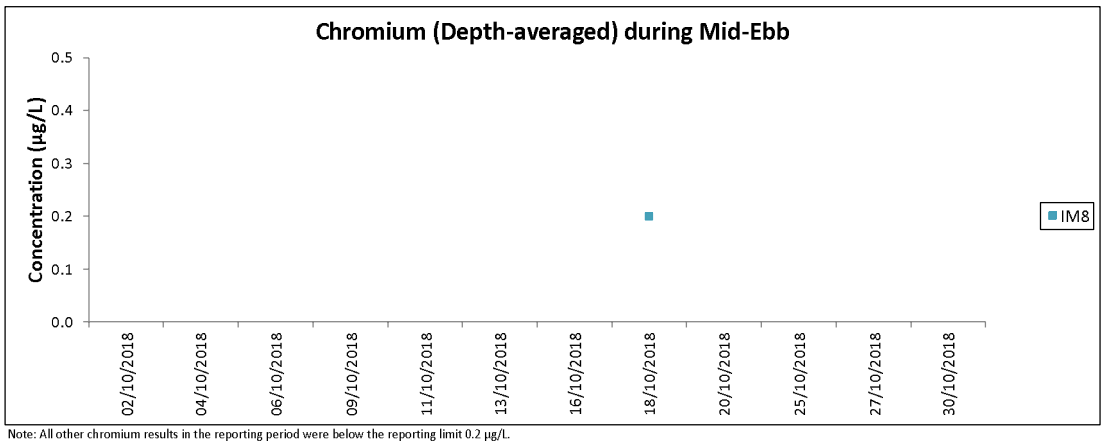








Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.



Note: All other chromium results in the reporting period 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
2-Aug-18	NWL	2	9.284	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	3	46.887	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	4	6.300	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	2	2.029	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	3	9.770	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	4	0.400	SUMMER	32166	3RS ET	S
7-Aug-18	AW	2	4.960	SUMMER	32166	3RS ET	P
7-Aug-18	WL	1	2.480	SUMMER	32166	3RS ET	P
7-Aug-18	WL	2	8.859	SUMMER	32166	3RS ET	P
7-Aug-18	WL	3	4.158	SUMMER	32166	3RS ET	P
7-Aug-18	WL	4	3.370	SUMMER	32166	3RS ET	P
7-Aug-18	WL	2	3.270	SUMMER	32166	3RS ET	S
7-Aug-18	WL	3	4.142	SUMMER	32166	3RS ET	S
7-Aug-18	WL	4	1.120	SUMMER	32166	3RS ET	S
16-Aug-18	NEL	1	0.900	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	2	29.510	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	3	7.200	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	1	0.400	SUMMER	32166	3RS ET	S
16-Aug-18	NEL	2	9.690	SUMMER	32166	3RS ET	S
17-Aug-18	NEL	2	35.410	SUMMER	32166	3RS ET	P
17-Aug-18	NEL	3	1.100	SUMMER	32166	3RS ET	P
17-Aug-18	NEL	2	9.880	SUMMER	32166	3RS ET	S
17-Aug-18	NEL	3	0.200	SUMMER	32166	3RS ET	S
20-Aug-18	NWL	1	9.500	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	2	51.800	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	3	1.300	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	1	1.000	SUMMER	32166	3RS ET	S
20-Aug-18	NWL	2	11.000	SUMMER	32166	3RS ET	S
21-Aug-18	AW	1	4.700	SUMMER	32166	3RS ET	P
21-Aug-18	WL	2	24.554	SUMMER	32166	3RS ET	P
21-Aug-18	WL	3	3.309	SUMMER	32166	3RS ET	P
21-Aug-18	WL	2	7.939	SUMMER	32166	3RS ET	S
21-Aug-18	WL	3	0.572	SUMMER	32166	3RS ET	S
22-Aug-18	SWL	2	50.350	SUMMER	32166	3RS ET	P
22-Aug-18	SWL	3	4.900	SUMMER	32166	3RS ET	P
22-Aug-18	SWL	2	13.170	SUMMER	32166	3RS ET	S
22-Aug-18	SWL	3	2.400	SUMMER	32166	3RS ET	S
23-Aug-18	SWL	2	51.850	SUMMER	32166	3RS ET	P
23-Aug-18	SWL	3	2.905	SUMMER	32166	3RS ET	P
23-Aug-18	SWL	2	11.220	SUMMER	32166	3RS ET	S
23-Aug-18	SWL	3	4.000	SUMMER	32166	3RS ET	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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/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
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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
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

Notes: CWD monitoring survey data of the two preceding survey months (i.e. August and September 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
2-Aug-18	1	1029	CWD	15	NWL	2	999	ON	3RS ET	22.2945	113.8705	SUMMER	NONE	P
2-Aug-18	2	1122	CWD	1	NWL	3	12	ON	3RS ET	22.2741	113.8705	SUMMER	NONE	P
2-Aug-18	3	1156	CWD	2	NWL	2	17	ON	3RS ET	22.2901	113.8786	SUMMER	NONE	P
7-Aug-18	1	1008	CWD	2	WL	1	250	ON	3RS ET	22.2920	113.8613	SUMMER	NONE	P
7-Aug-18	2	1043	CWD	5	WL	2	69	ON	3RS ET	22.2642	113.8578	SUMMER	NONE	S
7-Aug-18	3	1328	CWD	2	WL	2	524	ON	3RS ET	22.2027	113.8233	SUMMER	NONE	S
7-Aug-18	4	1344	CWD	5	WL	2	352	ON	3RS ET	22.1966	113.8411	SUMMER	NONE	P
17-Aug-18	1	1149	CWD	1	NEL	2	8	ON	3RS ET	22.3387	113.9562	SUMMER	NONE	P
21-Aug-18	1	1025	CWD	2	WL	2	22	ON	3RS ET	22.2688	113.8601	SUMMER	NONE	P
21-Aug-18	2	1052	CWD	5	WL	2	267	ON	3RS ET	22.2526	113.8343	SUMMER	NONE	S
21-Aug-18	3	1133	CWD	1	WL	2	380	ON	3RS ET	22.2417	113.8352	SUMMER	NONE	P
21-Aug-18	4	1149	CWD	1	WL	2	181	ON	3RS ET	22.2357	113.8253	SUMMER	NONE	S
21-Aug-18	5	1209	CWD	8	WL	2	93	ON	3RS ET	22.2226	113.8359	SUMMER	NONE	P
21-Aug-18	6	1241	CWD	2	WL	2	26	ON	3RS ET	22.2140	113.8291	SUMMER	NONE	P
21-Aug-18	7	1304	CWD	2	WL	2	26	ON	3RS ET	22.2055	113.8303	SUMMER	NONE	P
21-Aug-18	8	1320	CWD	5	WL	2	160	ON	3RS ET	22.2039	113.8222	SUMMER	NONE	S
21-Aug-18	9	1340	CWD	2	WL	3	162	ON	3RS ET	22.1963	113.8415	SUMMER	NONE	P
22-Aug-18	1	1439	CWD	3	SWL	2	17	ON	3RS ET	22.1860	113.8689	SUMMER	NONE	P
23-Aug-18	1	1457	CWD	1	SWL	2	161	ON	3RS ET	22.1881	113.8592	SUMMER	NONE	P
23-Aug-18	2	1522	CWD	5	SWL	2	263	ON	3RS ET	22.1842	113.8491	SUMMER	NONE	P
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

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

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

A total of 423.870 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 13 on-effort sightings and total number of 38 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in October 2018 are shown as below:

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

$$STG = \frac{13}{423.870}\ x\ 100 = 3.07$$

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

$$ANI = \frac{38}{423.870}\ x\ 100 = 8.97$$

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

A total of 1313.155 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 55 on-effort sightings and total number of 180 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)

$$STG = \frac{55}{1313.155}\ x\ 100 = 4.19$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{180}{1313.155}\ x\ 100 = 13.71$$

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

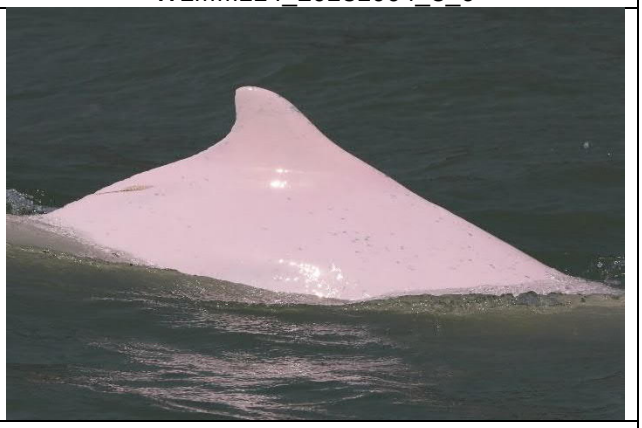
WLMM043_20181004_1_6

WLMM065_20181004_1_1

SLMM027_20181004_3_13

WLMM114_20181004_3_6

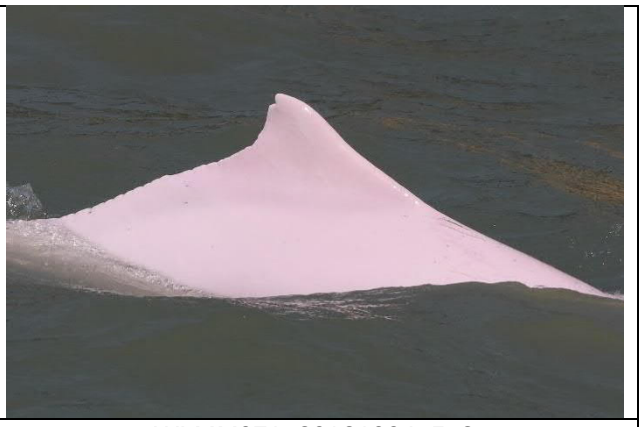
NLMM019_20181004_5_1



NLMM020_20181004_5_4

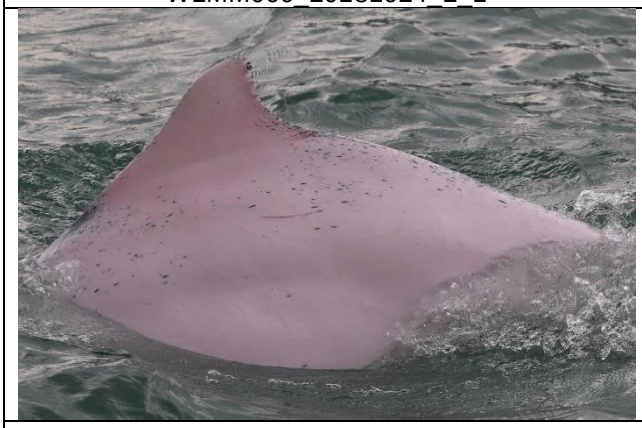
NLMM063_20181004_5_4

SLMM044_20181004_5_3

	
WLMM060_20181004_5_1	WLMM071_20181004_5_3
NLMM023_20181005_1_5	NLMM043_20181005_1_4
WLMM089_20181005_1_2	NLMM015_20181008_1_8
NLMM058_20181008_1_8	NLMM063_20181008_1_5

WLMM019_20181008_1_3	WLMM127_20181008_1_1
WLMM127_20181008_2_8	NLMM002_20181008_3_1
NLMM015_20181008_3_1	NLMM040_20181008_3_6
NLMM041_20181008_3_11	NLMM063_20181008_3_10

NLMM004_20181008_4_7	NLMM006_20181008_5_2
NLMM013_20181008_5_1	NLMM059_20181012_1_6
WLMM056_20181024_1_2	WLMM065_20181024_1_2
SLMM007_20181024_2_6	WLMM001_20181024_2_2

WLMM060_20181024_2_1	WLMM071_20181024_2_6
	
WLMM119_20181024_2_4	WLMM130_20181024_2_3_Lower

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
8/Oct/18	Sha Chau	8:37	14:37	6:00	2	3	0	N/A
9/Oct/18	Sha Chau	8:51	14:51	6:00	2	3	0	N/A
15/Oct/18	Lung Kwu Chau	8:47	14:47	6:00	2	2	3	1-2
22/Oct/18	Lung Kwu Chau	8:42	14:42	6:00	2	2-3	4	1-5
29/Oct/18	Lung Kwu Chau	9:22	15:22	6:00	2-3	2	4	1-7

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