Appendix D. Monitoring Results

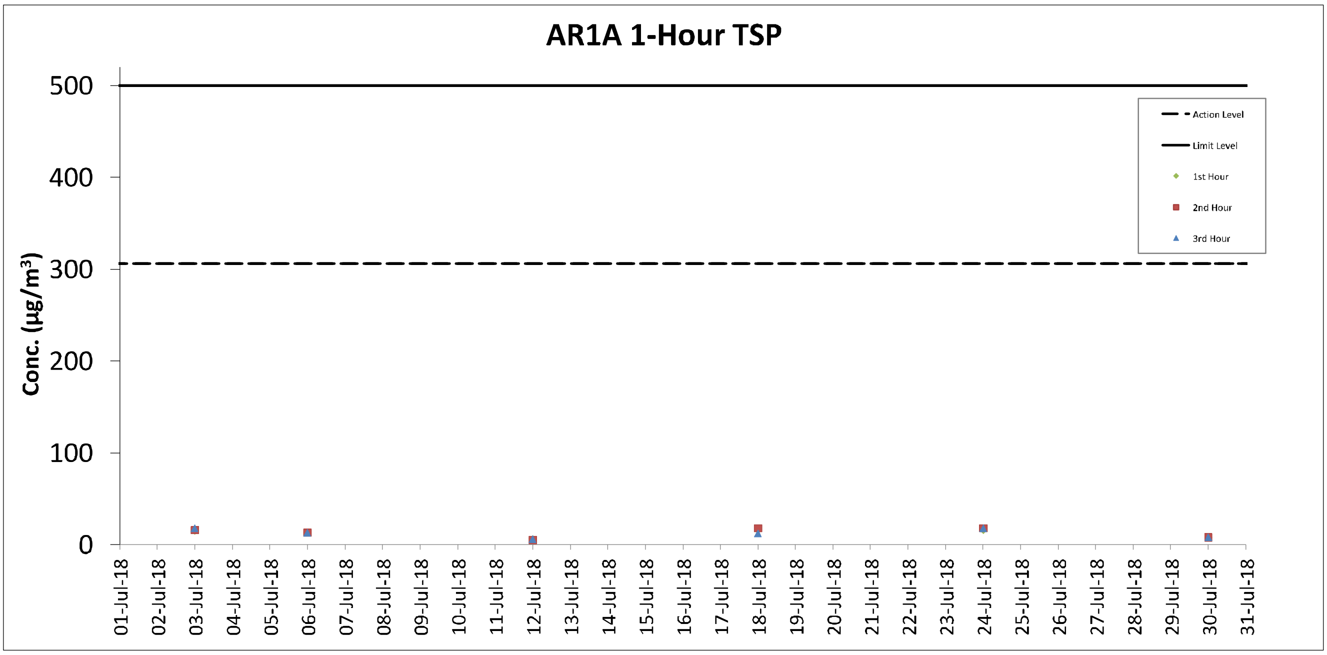
Air Quality Monitoring Results

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Jul-18	14:10	Cloudy	5.8	195	15	306	500
03-Jul-18	15:10	Cloudy	6.3	206	16	306	500
03-Jul-18	16:10	Cloudy	6.5	209	18	306	500
06-Jul-18	13:00	Sunny	6.0	195	13	306	500
06-Jul-18	14:00	Sunny	5.9	206	13	306	500
06-Jul-18	15:00	Sunny	6.6	203	13	306	500
12-Jul-18	13:07	Sunny	5.6	195	6	306	500
12-Jul-18	14:07	Sunny	6.0	206	5	306	500
12-Jul-18	15:07	Sunny	6.5	124	6	306	500
18-Jul-18	09:00	Cloudy	9.0	195	16	306	500
18-Jul-18	10:00	Cloudy	7.6	206	18	306	500
18-Jul-18	11:00	Cloudy	6.2	93	12	306	500
24-Jul-18	13:00	Cloudy	7.2	195	16	306	500
24-Jul-18	14:00	Cloudy	5.5	206	18	306	500
24-Jul-18	15:00	Cloudy	5.3	157	18	306	500
30-Jul-18	13:00	Sunny	6.2	195	8	306	500
30-Jul-18	14:00	Sunny	5.7	206	8	306	500
30-Jul-18	15:00	Sunny	4.2	214	8	306	500

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Jul-18	09:00	Cloudy	8.0	195	18	298	500
03-Jul-18	10:00	Cloudy	7.9	206	12	298	500
03-Jul-18	11:00	Cloudy	8.6	212	16	298	500
06-Jul-18	09:00	Sunny	3.5	195	10	298	500
06-Jul-18	10:00	Sunny	4.0	206	9	298	500
06-Jul-18	11:00	Sunny	5.4	203	10	298	500
12-Jul-18	09:00	Sunny	5.0	195	2	298	500
12-Jul-18	10:00	Sunny	4.5	206	2	298	500
12-Jul-18	11:00	Sunny	4.1	113	2	298	500
18-Jul-18	09:00	Cloudy	9.0	195	6	298	500
18-Jul-18	10:00	Cloudy	7.6	206	9	298	500
18-Jul-18	11:00	Cloudy	6.2	93	14	298	500
24-Jul-18	09:00	Cloudy	8.5	195	21	298	500
24-Jul-18	10:00	Cloudy	5.8	206	14	298	500
24-Jul-18	11:00	Cloudy	5.4	152	14	298	500
30-Jul-18	08:50	Sunny	2.4	195	1	298	500
30-Jul-18	09:50	Sunny	1.5	206	1	298	500
30-Jul-18	10:50	Sunny	2.4	298	1	298	500


AR1A 1-Hour TSP
Conc. (µg/m³)
500
400
300
200
100
0
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour
01-Jul-18
02-Jul-18
03-Jul-18
04-Jul-18
05-Jul-18
06-Jul-18
07-Jul-18
08-Jul-18
09-Jul-18
10-Jul-18
11-Jul-18
12-Jul-18
13-Jul-18
14-Jul-18
15-Jul-18
16-Jul-18
17-Jul-18
18-Jul-18
19-Jul-18
20-Jul-18
21-Jul-18
22-Jul-18
23-Jul-18
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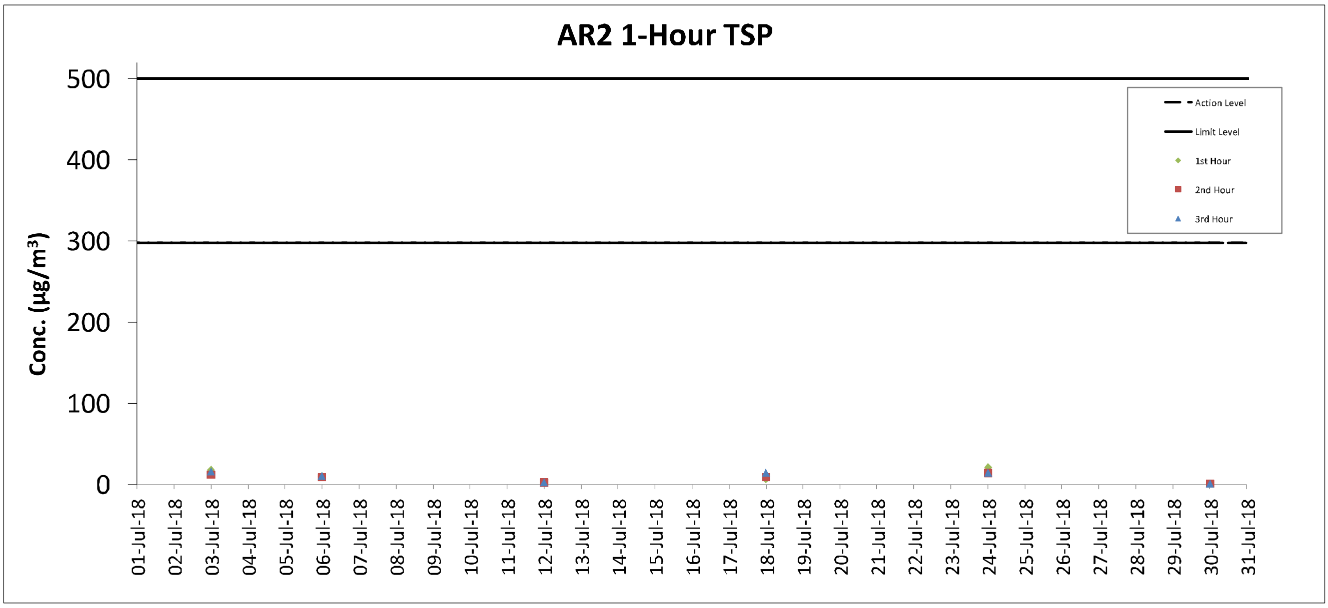
26-Jul-18
27-Jul-18
28-Jul-18
29-Jul-18
30-Jul-18
31-Jul-18


AR2 1-Hour TSP
Conc. (µg/m³)
500
400
300
200
100
0
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour
01-Jul-18
02-Jul-18
03-Jul-18
04-Jul-18
05-Jul-18
06-Jul-18
07-Jul-18
08-Jul-18
09-Jul-18
10-Jul-18
11-Jul-18
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24-Jul-18
25-Jul-18
26-Jul-18
27-Jul-18
28-Jul-18
29-Jul-18
30-Jul-18
31-Jul-18

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)
03-Jul-18	Cloudy	14:30	73.0	62.5	73
03-Jul-18	Cloudy	14:35	73.5	63.0	
03-Jul-18	Cloudy	14:40	73.0	61.0	
03-Jul-18	Cloudy	14:45	71.5	59.5	
03-Jul-18	Cloudy	14:50	72.5	58.5	
03-Jul-18	Cloudy	14:55	71.5	58.5	
12-Jul-18	Sunny	13:20	72.0	66.5	73
12-Jul-18	Sunny	13:25	74.0	62.5	
12-Jul-18	Sunny	13:30	74.0	60.0	
12-Jul-18	Sunny	13:35	72.5	56.5	
12-Jul-18	Sunny	13:40	74.5	63.0	
12-Jul-18	Sunny	13:45	73.0	56.5	
18-Jul-18	Cloudy	09:20	73.5	61.5	72
18-Jul-18	Cloudy	09:25	70.0	58.5	
18-Jul-18	Cloudy	09:30	73.0	60.0	
18-Jul-18	Cloudy	09:35	73.5	60.5	
18-Jul-18	Cloudy	09:40	73.0	58.0	
18-Jul-18	Cloudy	09:45	71.5	58.0	
24-Jul-18	Cloudy	13:15	73.5	56.5	73
24-Jul-18	Cloudy	13:20	72.5	58.0	
24-Jul-18	Cloudy	13:25	73.5	57.0	
24-Jul-18	Cloudy	13:30	73.5	58.0	
24-Jul-18	Cloudy	13:35	75.0	58.0	
24-Jul-18	Cloudy	13:40	73.0	56.0	
30-Jul-18	Sunny	13:15	73.5	53.0	72
30-Jul-18	Sunny	13:20	71.0	53.5	
30-Jul-18	Sunny	13:25	72.0	52.0	
30-Jul-18	Sunny	13:30	71.0	53.0	
30-Jul-18	Sunny	13:35	72.5	55.5	
30-Jul-18	Sunny	13:40	72.0	53.5	

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

Noise Measurement Results
Station: NM3A- Site Office

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Jul-18	Cloudy	09:45	66.5	64.0	61
03-Jul-18	Cloudy	09:50	65.5	64.0	
03-Jul-18	Cloudy	09:55	66.0	63.5	
03-Jul-18	Cloudy	10:00	66.0	64.0	
03-Jul-18	Cloudy	10:05	67.5	64.0	
03-Jul-18	Cloudy	10:10	66.0	64.0	
12-Jul-18	Sunny	09:35	68.0	63.0	65
12-Jul-18	Sunny	09:40	69.0	63.5	
12-Jul-18	Sunny	09:45	73.0	64.5	
12-Jul-18	Sunny	09:50	67.5	62.5	
12-Jul-18	Sunny	09:55	68.5	62.5	
12-Jul-18	Sunny	10:00	68.5	62.5	
18-Jul-18	Cloudy	14:35	69.0	61.5	61
18-Jul-18	Cloudy	14:40	67.5	62.0	
18-Jul-18	Cloudy	14:45	66.5	61.5	
18-Jul-18	Cloudy	14:50	66.5	61.0	
18-Jul-18	Cloudy	14:55	66.0	61.0	
18-Jul-18	Cloudy	15:00	70.5	62.0	
24-Jul-18	Cloudy	09:30	71.0	63.0	63
24-Jul-18	Cloudy	09:35	66.5	63.0	
24-Jul-18	Cloudy	09:40	69.5	63.0	
24-Jul-18	Cloudy	09:45	69.0	62.5	
24-Jul-18	Cloudy	09:50	67.5	62.5	
24-Jul-18	Cloudy	09:55	70.5	63.0	
30-Jul-18	Sunny	09:08	65.5	64.0	61
30-Jul-18	Sunny	09:13	66.0	64.0	
30-Jul-18	Sunny	09:18	68.0	64.0	
30-Jul-18	Sunny	09:23	65.5	63.5	
30-Jul-18	Sunny	09:28	67.0	64.0	
30-Jul-18	Sunny	09:33	65.0	64.0	

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)
03-Jul-18	Cloudy	13:53	64.5	62.0	66
03-Jul-18	Cloudy	13:58	64.0	61.5	
03-Jul-18	Cloudy	14:03	63.5	61.5	
03-Jul-18	Cloudy	14:08	63.0	60.5	
03-Jul-18	Cloudy	14:13	64.0	61.0	
03-Jul-18	Cloudy	14:18	64.5	60.5	
12-Jul-18	Sunny	14:10	64.0	61.5	66
12-Jul-18	Sunny	14:15	64.0	61.5	
12-Jul-18	Sunny	14:20	65.0	62.0	
12-Jul-18	Sunny	14:25	65.0	62.0	
12-Jul-18	Sunny	14:30	65.0	62.0	
12-Jul-18	Sunny	14:35	64.0	62.0	
18-Jul-18	Cloudy	14:27	66.0	63.0	66
18-Jul-18	Cloudy	14:32	67.5	63.0	
18-Jul-18	Cloudy	14:37	68.0	64.0	
18-Jul-18	Cloudy	14:42	69.0	64.0	
18-Jul-18	Cloudy	14:47	67.0	62.5	
18-Jul-18	Cloudy	14:52	67.0	62.5	
24-Jul-18	Cloudy	14:11	64.0	60.5	66
24-Jul-18	Cloudy	14:16	64.0	60.0	
24-Jul-18	Cloudy	14:21	64.0	61.0	
24-Jul-18	Cloudy	14:26	64.0	61.0	
24-Jul-18	Cloudy	14:31	64.0	61.0	
24-Jul-18	Cloudy	14:36	64.5	61.0	
30-Jul-18	Sunny	13:47	62.5	58.5	64
30-Jul-18	Sunny	13:52	62.5	58.5	
30-Jul-18	Sunny	13:57	62.5	58.5	
30-Jul-18	Sunny	14:02	62.5	58.0	
30-Jul-18	Sunny	14:07	62.5	58.0	
30-Jul-18	Sunny	14:12	62.0	57.5	

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)
03-Jul-18	Cloudy	09:00	51.5	43.0	53
03-Jul-18	Cloudy	09:05	50.5	44.0	
03-Jul-18	Cloudy	09:10	51.0	44.0	
03-Jul-18	Cloudy	09:15	54.5	45.5	
03-Jul-18	Cloudy	09:20	52.5	43.0	
03-Jul-18	Cloudy	09:25	54.0	44.0	
12-Jul-18	Sunny	09:00	55.5	52.5	57
12-Jul-18	Sunny	09:05	59.0	53.0	
12-Jul-18	Sunny	09:10	56.5	51.5	
12-Jul-18	Sunny	09:15	56.0	50.5	
12-Jul-18	Sunny	09:20	54.5	48.0	
12-Jul-18	Sunny	09:25	55.5	47.0	
18-Jul-18	Cloudy	09:17	56.0	50.5	57
18-Jul-18	Cloudy	09:22	61.0	54.5	
18-Jul-18	Cloudy	09:27	61.5	55.5	
18-Jul-18	Cloudy	09:32	61.5	55.0	
18-Jul-18	Cloudy	09:37	60.5	55.5	
18-Jul-18	Cloudy	09:42	58.0	54.0	
24-Jul-18	Cloudy	09:03	54.5	50.0	58
24-Jul-18	Cloudy	09:08	55.5	47.0	
24-Jul-18	Cloudy	09:13	56.5	47.5	
24-Jul-18	Cloudy	09:18	55.5	47.5	
24-Jul-18	Cloudy	09:23	62.0	47.5	
24-Jul-18	Cloudy	09:28	59.5	48.0	
30-Jul-18	Sunny	08:48	53.0	48.0	56
30-Jul-18	Sunny	08:53	53.0	48.5	
30-Jul-18	Sunny	08:58	56.0	49.5	
30-Jul-18	Sunny	09:03	54.5	47.0	
30-Jul-18	Sunny	09:08	52.5	48.0	
30-Jul-18	Sunny	09:13	52.0	48.5	

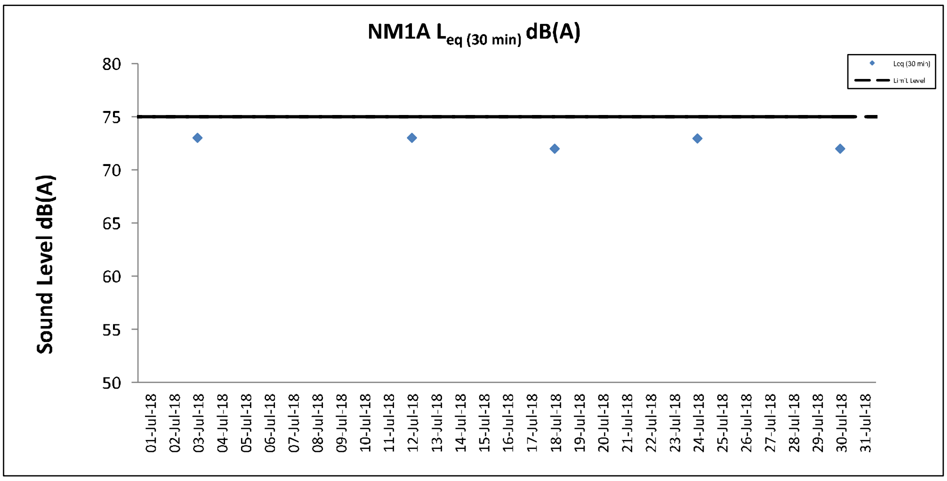
Remarks:
+3dB (A) correction was applied to free-field measurement.

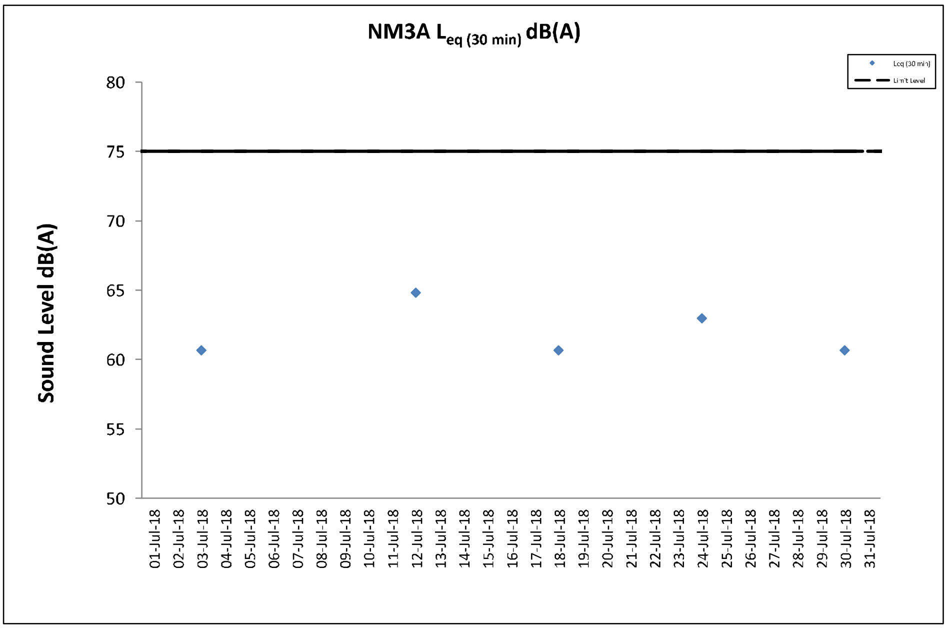
Noise Measurement Results

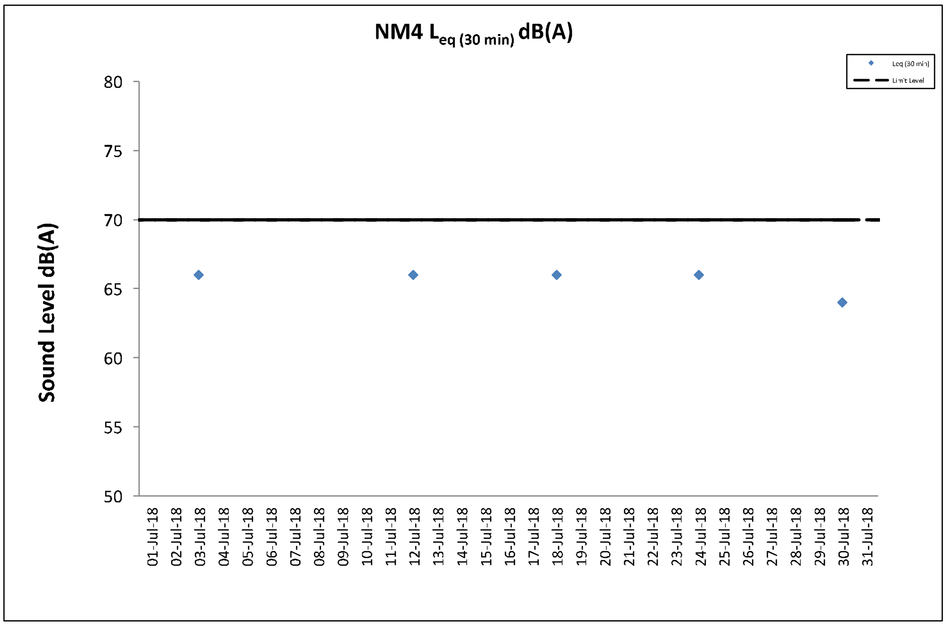
Station: NM6- House No.1 Sha Lo Wan

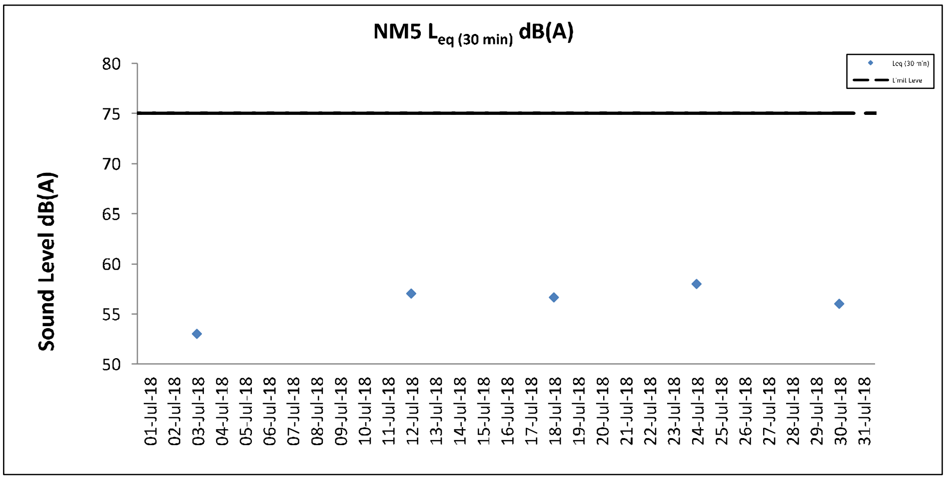
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
05-Jul-18	Fine	09:40	75.5	50.5	71
05-Jul-18	Fine	09:45	74.0	51.0	
05-Jul-18	Fine	09:50	76.5	62.5	
05-Jul-18	Fine	09:55	70.5	62.5	
05-Jul-18	Fine	10:00	73.0	62.0	
05-Jul-18	Fine	10:05	72.5	63.0	
12-Jul-18	Sunny	10:37	64.0	52.0	66
12-Jul-18	Sunny	10:42	66.0	54.5	
12-Jul-18	Sunny	10:47	63.5	51.5	
12-Jul-18	Sunny	10:52	68.0	53.0	
12-Jul-18	Sunny	10:57	71.0	53.0	
12-Jul-18	Sunny	11:02	65.5	52.0	
16-Jul-18	Cloudy	09:38	68.5	55.5	66
16-Jul-18	Cloudy	09:43	67.5	54.5	
16-Jul-18	Cloudy	09:48	68.5	54.5	
16-Jul-18	Cloudy	09:53	73.0	55.0	
16-Jul-18	Cloudy	09:58	73.0	59.0	
16-Jul-18	Cloudy	10:03	70.5	59.0	
26-Jul-18	Sunny	09:41	75.0	58.0	71
26-Jul-18	Sunny	09:46	74.0	56.5	
26-Jul-18	Sunny	09:51	75.5	57.5	
26-Jul-18	Sunny	09:56	76.0	58.5	
26-Jul-18	Sunny	10:01	78.0	59.0	
26-Jul-18	Sunny	10:06	71.0	56.0	

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


NM1A $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
01-Jul-18 02-Jul-18 03-Jul-18 04-Jul-18 05-Jul-18 06-Jul-18 07-Jul-18 08-Jul-18 09-Jul-18 10-Jul-18 11-Jul-18 12-Jul-18 13-Jul-18 14-Jul-18 15-Jul-18 16-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 21-Jul-18 22-Jul-18 23-Jul-18 24-Jul-18 25-Jul-18 26-Jul-18 27-Jul-18 28-Jul-18 29-Jul-18 30-Jul-18 31-Jul-18


NM3A $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
01-Jul-18 02-Jul-18 03-Jul-18 04-Jul-18 05-Jul-18 06-Jul-18 07-Jul-18 08-Jul-18 09-Jul-18 10-Jul-18 11-Jul-18 12-Jul-18 13-Jul-18 14-Jul-18 15-Jul-18 16-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 21-Jul-18 22-Jul-18 23-Jul-18 24-Jul-18 25-Jul-18 26-Jul-18 27-Jul-18 28-Jul-18 29-Jul-18 30-Jul-18 31-Jul-18


NM4 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
01-Jul-18 02-Jul-18 03-Jul-18 04-Jul-18 05-Jul-18 06-Jul-18 07-Jul-18 08-Jul-18 09-Jul-18 10-Jul-18 11-Jul-18 12-Jul-18 13-Jul-18 14-Jul-18 15-Jul-18 16-Jul-18 17-Jul-18 18-Jul-18 19-Jul-18 20-Jul-18 21-Jul-18 22-Jul-18 23-Jul-18 24-Jul-18 25-Jul-18 26-Jul-18 27-Jul-18 28-Jul-18 29-Jul-18 30-Jul-18 31-Jul-18


NM5 Leq (30 min) dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
01-Jul-18
02-Jul-18
03-Jul-18
04-Jul-18
05-Jul-18
06-Jul-18
07-Jul-18
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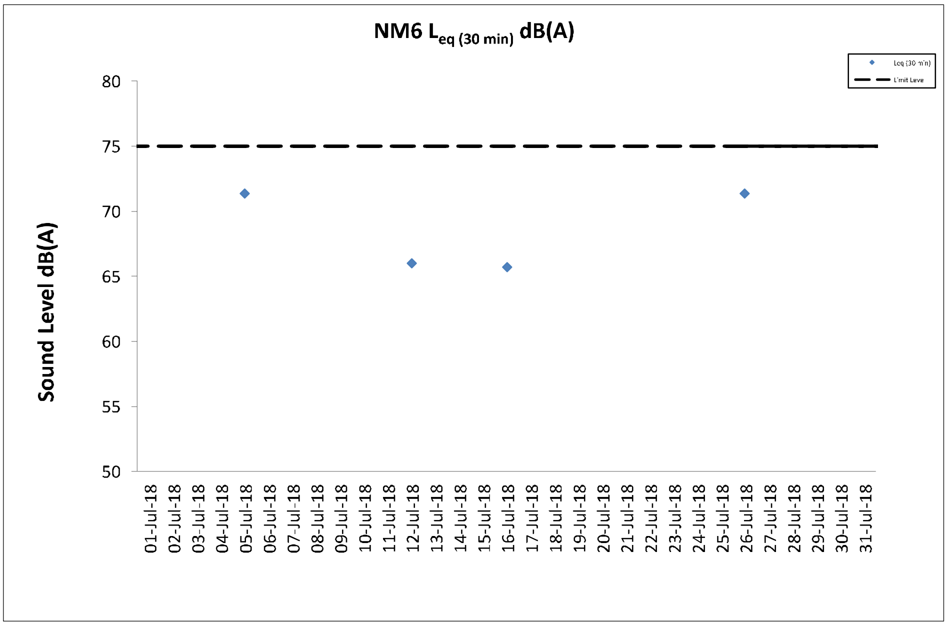
31-Jul-18


NM6 Leq (30 min) dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
01-Jul-18
02-Jul-18
03-Jul-18
04-Jul-18
05-Jul-18
06-Jul-18
07-Jul-18
08-Jul-18
09-Jul-18
10-Jul-18
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30-Jul-18
31-Jul-18

Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 July 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	15:50	8.6	Surface	1.0	0.5	59	29.0	29.0	8.1	8.1	15.8	15.8	95.9	95.9	6.8	4.8	8.1	18.1	5	6	76	79	815618	804268	<0.2	<0.2	2.0	1.7
						1.0	0.5	62	29.0		8.1		15.8		95.9		6.8		8.1		6		76				<0.2		1.7	
					Middle	4.3	0.2	36	26.6	26.6	7.9	7.9	29.2	29.2	39.7	39.7	2.7		18.9		6		79				<0.2		1.4	
						4.3	0.2	36	26.6		7.9		29.2		39.7		2.7		19.0		6		79				<0.2		1.7	
					Bottom	7.6	0.2	44	26.4	26.4	7.9	7.9	29.9	29.9	44.4	44.4	3.0	3.0	27.3		6		82				<0.2		2.0	
						7.6	0.2	47	26.4		7.9		29.9		44.4		3.0		27.3		6		82				<0.2		1.4	
C2	Cloudy	Moderate	14:24	11.4	Surface	1.0	0.3	332	29.3	29.3	8.0	8.0	14.1	14.1	84.5	84.5	6.0	5.8	6.0	6.4	8	8	79	81	825695	806915	<0.2	<0.2	2.0	2.2
						1.0	0.3	356	29.3		8.0		14.1		84.5		6.0		6.0		7		78				<0.2		2.1	
					Middle	5.7	0.4	313	29.1	29.1	8.0	8.0	15.5	15.4	79.4	79.5	5.6		5.9		8		81				<0.2		2.1	
						5.7	0.4	330	29.1		8.0		15.4		79.6		5.6		5.9		7		82				<0.2		2.5	
					Bottom	10.4	0.4	319	28.9	28.9	8.0	8.0	17.8	17.8	75.8	75.9	5.3	5.3	7.3		9		83				<0.2		2.2	
						10.4	0.4	340	28.9		8.0		17.8		75.9		5.3		7.2		8		83				<0.2		2.1	
C3	Cloudy	Moderate	15:44	12.6	Surface	1.0	0.5	341	28.6	28.6	8.1	8.1	17.9	18.0	79.0	78.8	5.5	5.2	2.3	2.6	7	6	77	79	822095	817797	<0.2	<0.2	2.0	2.0
						1.0	0.5	314	28.6		8.1		18.1		78.6		5.5		2.3		6		77				<0.2		2.0	
					Middle	6.3	0.2	4	27.8	27.8	8.1	8.1	22.2	22.2	70.7	70.6	4.9		2.5		6		79				<0.2		1.9	
						6.3	0.2	4	27.8		8.1		22.2		70.5		4.9		2.5		6		79				<0.2		2.0	
					Bottom	11.6	0.1	356	27.6	27.6	8.0	8.0	23.0	23.1	66.8	66.7	4.6	4.6	3.0		7		82				<0.2		2.0	
						11.6	0.1	328	27.6		8.0		23.1		66.6		4.6		3.1		6		82				<0.2		2.0	
IM1	Cloudy	Rough	15:26	5.8	Surface	1.0	0.3	2	29.2	29.2	8.1	8.1	15.8	15.8	101.4	101.4	7.1	7.1	9.6	9.6	7	6	76	79	817975	807117	<0.2	<0.2	1.8	1.8
						1.0	0.3	2	29.2		8.1		15.8		101.4		7.1		9.6		6		76				<0.2		1.9	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.2	358	29.2	29.2	8.1	8.1	15.8	15.8	102.0	102.0	7.2	7.2	9.6		5		81				<0.2		1.8	
						4.8	0.2	329	29.2		8.1		15.8		102.0		7.2		9.6		7		81				<0.2		1.7	
IM2	Cloudy	Rough	15:17	8.2	Surface	1.0	0.6	33	29.0	29.0	8.0	8.0	15.3	15.3	94.9	94.9	6.7	6.7	8.6	9.0	7	7	76	79	818137	806145	<0.2	<0.2	1.5	1.7
						1.0	0.7	33	29.0		8.0		15.3		94.9		6.7		8.6		6		76				<0.2		2.1	
					Middle	4.1	0.4	16	29.0	29.0	8.0	8.0	15.6	15.6	92.8	92.8	6.6		9.0		7		79				<0.2		1.6	
						4.1	0.4	16	29.0		8.0		15.6		92.8		6.6		9.0		5		79				<0.2		1.5	
					Bottom	7.2	0.3	0	28.9	28.9	8.0	8.0	16.2	16.2	91.8	91.8	6.5	6.5	9.5		8		80				<0.2		1.6	
						7.2	0.4	0	28.9		8.0		16.2		91.8		6.5		9.5		6		81				<0.2		1.7	
IM3	Cloudy	Rough	15:09	8.2	Surface	1.0	0.5	32	29.0	29.0	8.0	8.0	15.4	15.4	90.7	90.7	6.4	6.2	8.9	12.8	7	7	76	79	818790	805610	<0.2	<0.2	2.4	1.9
						1.0	0.5	34	29.0		8.0		15.4		90.7		6.4		8.9		7		76				<0.2		2.3	
					Middle	4.1	0.5	17	28.9	28.9	8.0	8.0	16.1	16.1	84.9	84.8	6.0		10.1		7		79				<0.2		1.7	
						4.1	0.5	17	28.9		8.0		16.1		84.7		6.0		10.1		7		78				<0.2		1.7	
					Bottom	7.2	0.3	46	27.9	27.9	7.9	7.9	23.8	23.8	68.5	69.2	4.7	4.8	19.4		8		82				<0.2		1.6	
						7.2	0.3	47	27.9		7.9		23.9		69.8		4.8		19.2		7		81				<0.2		1.5	
IM4	Cloudy	Rough	14:58	8.2	Surface	1.0	0.6	25	29.1	29.1	8.0	8.0	15.3	15.3	91.4	91.4	6.5	6.2	8.5	10.0	8	9	77	79	819743	804623	<0.2	<0.2	1.7	1.7
						1.0	0.6	26	29.1		8.0		15.3		91.4		6.5		8.5		9		77				<0.2		1.7	
					Middle	4.1	0.5	18	29.0	29.0	8.0	8.0	15.4	15.4	83.2	83.2	5.9		9.3		9		78				<0.2		1.7	
						4.1	0.5	19	29.0		8.0		15.4		83.2		5.9		9.3		9		78				<0.2		1.8	
					Bottom	7.2	0.3	5	27.8	27.8	7.9	7.9	24.8	24.8	67.9	67.9	4.7	4.7	12.2		8		81				<0.2		1.7	
						7.2	0.4	5	27.8		7.9		24.8		67.9		4.7		12.2		8		82				<0.2		1.8	
IM5	Cloudy	Rough	14:48	7.5	Surface	1.0	0.5	16	29.2	29.2	8.0	8.0	14.6	14.6	89.4	89.3	6.3	6.0	9.4	10.2	8	8	77	78	820725	804894	<0.2	<0.2	1.9	1.8
						1.0	0.6	16	29.2		8.0		14.6		89.2		6.3		9.4		8		76				<0.2		1.8	
					Middle	3.8	0.6	7	29.0	29.0	8.0	8.0	15.5	15.5	79.9	79.9	5.6		10.0		8		78				<0.2		1.8	
						3.8	0.6	7	29.0		8.0		15.5		79.9		5.6		10.0		8		78				<0.2		1.9	
					Bottom	6.5	0.4	356	28.0	28.0	7.9	7.9	24.1	24.1	66.6	66.6	4.6	4.6	11.3		8		80				<0.2		1.7	
						6.5	0.4	328	28.0		7.9		24.1		66.6		4.6		11.3		9		80				<0.2		1.7	
IM6	Cloudy	Rough	14:39	7.4	Surface	1.0	0.5	27	29.2	29.2	8.0	8.0	14.4	14.4	89.7	89.7	6.4	6.0	16.1	19.1	12	15	76	79	821073	805855	<0.2	<0.2	1.9	1.8
						1.0	0.5	27	29.2		8.0		14.4		89.7		6.4		16.1		12		77				<0.2		1.8	
					Middle	3.7	0.5	32	29.0	29.0	8.0	8.0	15.8	15.8	79.4	79.4	5.6		16.8		16		79				<0.2		1.8	
						3.7	0.5	33	29.0		8.0		15.8		79.4		5.6		16.8		16		79				<0.2		1.9	
					Bottom	6.4	0.3	5	27.3	27.3	7.9	7.9	26.8	26.8	57.5	57.5	3.9	3.9	24.3		16		81				<0.2		1.7	
						6.4	0.3	5	27.3		7.9		26.8		57.5		3.9		24.3		17		81				<0.2		1.9	
IM7	Cloudy	Rough	14:27	9.2	Surface	1.0	0.6	40	29.1	29.1	8.1	8.1	14.8	14.8	92.6	92.6	6.5	6.1	10.1	13.6	7	8	76	79	821342	806826	<0.2	<0.2	1.6	1.8
						1.0	0.6	40	29.1		8.1		14.8		92.6		6.5		10.1		7		77				<0.2		1.9	
					Middle	4.6	0.5	27	29.0	29.0	8.0	8.0	15.7	15.7	79.8	79.8	5.6		13.7		7		79				<0.2		1.7	
						4.6	0.6	28	29.0		8.0		15.7		79.8		5.6		13.7		8		79				<0.2		1.7	
					Bottom	8.2	0.4	31	28.7	28.7	8.0	8.0	20.1	20.1	76.2	76.2	5.3	5.3	17.0		9		83				<0.2		1.9	
						8.2	0.4	32	28.7		8.0		20.1		76.2		5.3		17.0		8		82				<0.2		1.8	
IM8	Cloudy	Moderate	14:42	8.2	Surface	1.0	0.3	2	29.3	29.3	8.0	8.0	14.8	14.8	85.5	85.5	6.0	5.9	5.0	5.3	6	8	77	79	821805	808140	<0.2	<0.2	2.0	2.1
						1.0	0.3	2	29.3		8.0		14.8		85.4		6.0		5.0		8		78				<0.2		2.1	
					Middle	4.1	0.4	322	29.1	29.1	8.0	8.0	16.0	16.0	80.4	80.5	5.7		5.2		7		79				<0.2		2.0	
						4.1	0.4	352	29.1		8.0		16.0		80.5		5.7		5.2		8		79				<0.2		2.1	
					Bottom	7.2	0.5	310	28.8	28.8	8.0	8.0	16.9	17.5	75.0	75.2	5.3	5.3	5.6		8		81				<0.2		2.1	
						7.2	0.5	334	28.8		8.0		18.2		75.3		5.3		5.7		8		82				<0.2		2.2	

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 03 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	14:48	7.7	Surface	1.0	0.6	2	29.2	29.2	8.0	8.0	15.4	15.4	85.3	85.3	6.0	5.8	5.2	5.1	6	6	77	79	822101	808821	<0.2	<0.2	2.1	2.1
						1.0	0.6	2	29.2		8.0		15.4		85.2		6.0		5.2		5		77				<0.2		2.1	
					Middle	3.9	0.5	333	29.1	29.1	8.0	8.0	17.0	17.0	78.7	78.9	5.5		5.5		6		79				<0.2		2.0	
						3.9	0.5	357	29.1		8.0		17.0		79.0		5.5		5.4		6		80				<0.2		2.0	
					Bottom	6.7	0.6	311	28.8	28.8	8.0	8.0	18.2	18.3	77.4	77.5	5.4	5.4	4.6		6		81				<0.2		2.2	
						6.7	0.6	332	28.8		8.0		18.3		77.5		5.4		4.6		7		82				<0.2		2.1	
IM10	Cloudy	Moderate	14:56	7.4	Surface	1.0	0.5	5	29.2	29.2	8.0	8.0	15.6	15.6	82.8	82.8	5.8	5.6	7.2	7.2	5	6	78	80	822399	809823	<0.2	<0.2	1.9	2.0
						1.0	0.5	5	29.2		8.0		15.6		82.7		5.8		7.2		6		78				<0.2		1.9	
					Middle	3.7	0.5	317	28.9	28.9	8.0	8.0	17.2	17.2	76.4	76.4	5.4		7.3		6		79				<0.2		2.1	
						3.7	0.5	330	28.9		8.0		17.1		76.4		5.4		7.3		6		80				<0.2		2.1	
					Bottom	6.4	0.6	316	28.8	28.8	8.0	8.0	18.2	18.1	76.7	76.8	5.4	5.4	7.0		6		81				<0.2		2.1	
						6.4	0.6	335	28.8		8.0		18.1		76.8		5.4		7.0		7		82				<0.2		1.9	
IM11	Cloudy	Moderate	15:05	7.8	Surface	1.0	0.4	341	29.1	29.1	8.0	8.0	16.0	16.0	81.6	81.6	5.7	5.5	6.9	7.8	4	6	77	79	822075	811468	<0.2	<0.2	2.1	2.0
						1.0	0.4	350	29.1		8.0		16.0		81.6		5.7		6.9		6		77				<0.2		2.0	
					Middle	3.9	0.6	289	28.8	28.8	8.0	8.0	18.6	18.6	75.5	75.5	5.3		6.7		5		79				<0.2		2.0	
						3.9	0.6	303	28.8		8.0		18.5		75.4		5.3		6.7		5		80				<0.2		2.0	
					Bottom	6.8	0.3	343	28.1	28.1	8.0	8.0	20.0	20.1	69.3	69.3	4.9	4.9	9.8		7		81				<0.2		2.1	
						6.8	0.3	316	28.1		8.0		20.2		69.3		4.8		10.1		6		81				<0.2		2.0	
IM12	Cloudy	Moderate	15:10	8.7	Surface	1.0	0.6	323	29.1	29.1	8.0	8.0	16.0	16.0	82.0	82.0	5.8	5.6	7.8	7.5	5	4	77	79	821440	812025	<0.2	<0.2	2.0	2.0
						1.0	0.6	353	29.1		8.0		16.0		81.9		5.8		7.8		4		77				<0.2		1.9	
					Middle	4.4	0.6	288	28.8	28.8	8.0	8.0	18.4	18.4	77.0	77.0	5.4		7.5		5		79				<0.2		2.0	
						4.4	0.6	295	28.8		8.0		18.4		77.0		5.4		7.5		3		79				<0.2		2.0	
					Bottom	7.7	0.3	276	28.4	28.4	8.0	8.0	18.8	18.9	75.7	75.7	5.3	5.3	7.3		5		82				<0.2		2.0	
						7.7	0.3	288	28.4		8.0		18.9		75.6		5.3		7.3		4		82				<0.2		2.0	
SR2	Cloudy	Moderate	15:26	4.8	Surface	1.0	0.5	319	28.8	28.8	8.0	8.0	17.3	17.3	78.3	78.2	5.5	5.5	5.7	7.7	4	4	79	80	821440	814154	<0.2	<0.2	1.9	1.9
						1.0	0.5	326	28.8		8.0		17.4		78.1		5.5		5.8		3		79				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.5	298	28.3	28.4	8.0	8.0	20.2	20.2	72.6	72.8	5.1	5.1	9.7		4		81				<0.2		1.9	
						3.8	0.5	315	28.4		8.0		20.2		73.0		5.1		9.7		4		82				<0.2		1.9	
SR3	Cloudy	Moderate	14:38	9.7	Surface	1.0	0.4	19	29.3	29.3	8.0	8.0	14.4	14.4	86.7	86.7	6.1	5.9	4.1	4.5	4	5	-	-	822144	807597	-	-	-	-
						1.0	0.4	19	29.3		8.0		14.4		86.6		6.1		4.1		5		-				-		-	
					Middle	4.9	0.4	331	29.1	29.1	8.0	8.0	15.7	15.6	79.2	79.2	5.6		4.4		4		-				-		-	
						4.9	0.4	353	29.1		8.0		15.6		79.1		5.6		4.4		5		-				-		-	
					Bottom	8.7	0.5	311	28.7	28.8	8.0	8.0	19.0	19.0	73.0	73.1	5.1	5.1	5.0		5		-				-		-	
						8.7	0.5	317	28.8		8.0		19.0		73.1		5.1		5.0		4		-				-		-	
SR4A	Cloudy	Calm	16:16	9.2	Surface	1.0	0.3	68	29.1	29.1	8.1	8.1	15.7	15.7	96.0	96.0	6.8	6.4	12.3	15.5	5	8	-	-	817181	807834	-	-	-	-
						1.0	0.3	70	29.1		8.1		15.7		96.0		6.8		12.3		5		-				-		-	
					Middle	4.6	0.2	59	29.0	29.0	8.1	8.1	16.4	16.4	84.1	84.1	5.9		14.7		9		-				-		-	
						4.6	0.2	63	29.0		8.1		16.4		84.1		5.9		14.7		11		-				-		-	
					Bottom	8.2	0.2	76	28.4	28.4	7.9	7.9	24.2	24.2	79.5	79.5	5.4	5.4	19.5		10		-				-		-	
						8.2	0.2	79	28.4		7.9		24.2		79.5		5.4		19.5		9		-				-		-	
SR5A	Cloudy	Calm	16:30	5.2	Surface	1.0	0.1	297	29.3	29.3	8.1	8.1	17.6	17.6	91.8	91.8	6.4	6.4	10.4	11.1	9	9	-	-	816614	810716	-	-	-	-
						1.0	0.1	319	29.3		8.1		17.6		91.8		6.4		10.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	251	29.1	29.1	8.0	8.0	18.1	18.1	89.0	89.0	6.2	6.2	11.8		10		-				-		-	
						4.2	0.1	259	29.1		8.0		18.1		89.0		6.2		11.8		9		-				-		-	
SR6	Cloudy	Calm	16:52	4.9	Surface	1.0	0.1	98	29.2	29.2	8.0	8.0	16.2	16.2	87.1	87.1	6.1	6.1	9.8	10.3	6	6	-	-	817907	814640	-	-	-	-
						1.0	0.1	103	29.2		8.0		16.2		87.0		6.1		9.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	99	29.0	29.0	8.0	8.0	16.8	16.8	86.4	86.4	6.1	6.1	10.8		6		-				-		-	
						3.9	0.0	101	29.0		8.0		16.8		86.4		6.1		10.8		6		-				-		-	
SR7	Cloudy	Moderate	16:09	18.6	Surface	1.0	0.2	97	27.9	27.9	8.1	8.1	22.0	22.0	71.5	71.5	5.0	**4.6**	1.4	2.7	6	5	-	-	823632	823718	-	-	-	-
						1.0	0.2	105	27.9		8.1		22.0		71.4		5.0		1.3		5		-				-		-	
					Middle	9.3	0.3	272	26.8	26.8	8.0	8.0	26.2	26.2	58.9	58.9	4.1		2.6		4		-				-		-	
						9.3	0.3	287	26.8		8.0		26.2		58.8		4.1		2.7		5		-				-		-	
					Bottom	17.6	0.1	88	25.7	25.7	8.0	8.0	30.1	30.1	51.7	51.9	3.6	3.6	4.1		4		-				-		-	
						17.6	0.1	94	25.7		8.0		30.1		52.0		3.6		4.1		6		-				-		-	
SR8	Cloudy	Moderate	15:15	3.9	Surface	1.0	-	-	28.5	28.5	8.0	8.0	19.2	19.3	71.8	71.7	5.0	5.0	6.6	9.3	5	5	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.5		8.0		19.3		71.6		5.0		6.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	28.3	28.3	8.0	8.0	20.8	20.9	65.0	62.4	4.5	4.4	11.9		4		-				-		-	
						2.9	-	-	28.2		8.0		21.1		59.7		4.2		12.5		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 03 July 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 (℃) Value	Water Temperature (℃) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
C1	Cloudy	Moderate	09:35	9.0	Surface	1.0	0.7	31	28.9	28.9	8.0	8.0	13.9	13.9	89.4	89.3	6.4	5.7	9.3	13.1	4	5	78	80	815604	804275	<0.2	<0.2	1.8	1.8
						1.0	0.7	33	28.9		8.0		13.9		89.2		6.4		9.4		4		77				<0.2		1.9	
					Middle	4.5	0.4	26	28.9	28.9	8.0	8.0	16.1	16.1	70.1	70.1	4.9		12.2		5		80				<0.2		1.8	
						4.5	0.4	27	28.9		8.0		16.1		70.1		4.9		12.2		5		80				<0.2		1.7	
					Bottom	8.0	0.3	10	27.4	27.4	7.9	7.9	26.1	26.1	59.6	59.6	4.1	4.1	17.7		6		83				<0.2		1.8	
						8.0	0.3	10	27.4		7.9		26.1		59.6		4.1		17.7		6		84				<0.2		1.9	
C2	Cloudy	Moderate	10:17	12.7	Surface	1.0	0.3	331	29.3	29.3	8.0	8.0	14.3	14.3	85.7	85.6	6.1	5.8	4.0	7.5	4	5	79	81	825697	806951	<0.2	<0.2	2.2	2.0
						1.0	0.4	340	29.3		8.0		14.3		85.5		6.1		4.0		4		80				<0.2		2.1	
					Middle	6.4	0.4	320	29.1	29.1	8.0	8.0	15.5	15.5	77.5	77.5	5.5		4.5		6		81				<0.2		2.0	
						6.4	0.4	327	29.1		8.0		15.5		77.5		5.5		4.6		6		82				<0.2		2.0	
					Bottom	11.7	0.4	322	28.8	28.8	8.0	8.0	17.0	17.0	71.2	71.1	5.0	5.0	13.6		6		83				<0.2		2.0	
						11.7	0.4	328	28.8		8.0		17.0		70.9		5.0		14.2		6		83				<0.2		1.9	
C3	Fine	Moderate	08:28	12.4	Surface	1.0	0.4	269	28.9	28.9	8.0	8.0	16.7	16.7	79.2	79.2	5.6	5.4	6.0	6.2	6	7	77	80	822119	817788	<0.2	<0.2	2.2	2.0
						1.0	0.4	280	28.9		8.0		16.7		79.1		5.6		5.9		7		78				<0.2		2.1	
					Middle	6.2	0.4	257	28.5	28.5	8.0	8.0	20.1	20.1	73.2	73.1	5.1		5.2		7		79				<0.2		2.1	
						6.2	0.4	259	28.5		8.0		20.1		72.9		5.1		5.2		7		80				<0.2		1.9	
					Bottom	11.4	0.3	281	26.7	26.7	8.0	8.0	27.5	27.5	57.1	57.2	3.9	3.9	7.5		8		81				<0.2		1.9	
						11.4	0.3	298	26.7		8.0		27.5		57.3		3.9		7.4		7		82				<0.2		2.0	
IM1	Cloudy	Moderate	09:54	5.2	Surface	1.0	0.2	45	29.0	29.0	8.0	8.0	15.5	15.5	96.6	96.6	6.8	6.8	9.1	9.5	6	6	78	80	817928	807105	<0.2	<0.2	1.7	1.6
						1.0	0.3	46	29.0		8.0		15.5		96.6		6.8		9.1		5		78				<0.2		1.6	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	358	29.0	29.0	8.0	8.0	15.9	15.9	96.8	96.8	6.8	6.8	9.8		6		82				<0.2		1.6	
						4.2	0.1	329	29.0		8.0		15.9		96.8		6.8		9.8		6		83				<0.2		1.6	
IM2	Cloudy	Moderate	10:01	7.7	Surface	1.0	0.5	26	29.1	29.1	8.0	8.0	15.2	15.2	94.1	94.1	6.6	6.6	9.4	9.5	4	6	77	79	818160	806166	<0.2	<0.2	1.9	2.1
						1.0	0.5	27	29.1		8.0		15.2		94.1		6.6		9.4		6		77				<0.2		2.2	
					Middle	3.9	0.4	18	29.1	29.1	8.0	8.0	15.3	15.3	92.8	92.8	6.6		9.5		6		79				<0.2		2.3	
						3.9	0.4	18	29.1		8.0		15.3		92.8		6.6		9.5		7		79				<0.2		2.2	
					Bottom	6.7	0.5	329	29.0	29.0	8.0	8.0	16.3	16.3	92.6	92.6	6.5	6.5	9.5		7		82				<0.2		2.0	
						6.7	0.5	329	29.0		8.0		16.3		92.6		6.5		9.5		8		82				<0.2		1.7	
IM3	Cloudy	Rough	10:08	8.0	Surface	1.0	0.5	19	29.2	29.2	8.0	8.0	14.2	14.2	92.7	92.7	6.6	6.1	9.2	10.6	8	7	78	80	818789	805586	<0.2	<0.2	1.8	1.7
						1.0	0.5	19	29.2		8.0		14.2		92.7		6.6		9.2		8		78				<0.2		1.8	
					Middle	4.0	0.5	358	29.0	29.0	8.0	8.0	15.4	15.4	79.6	79.4	5.6		10.3		6		79				<0.2		1.8	
						4.0	0.5	329	29.0		8.0		15.4		79.1		5.6		10.3		7		80				<0.2		1.6	
					Bottom	7.0	0.5	339	28.1	28.1	7.9	7.9	22.2	22.2	70.1	70.1	4.9	4.9	12.4		7		83				<0.2		1.6	
						7.0	0.5	312	28.1		7.9		22.2		70.1		4.9		12.4		7		83				<0.2		1.6	
IM4	Cloudy	Rough	10:16	8.1	Surface	1.0	0.6	20	29.2	29.2	8.0	8.0	13.1	13.1	91.5	91.5	6.5	6.1	9.5	10.8	6	7	77	81	819703	804593	<0.2	<0.2	1.7	1.8
						1.0	0.7	20	29.2		8.0		13.1		91.5		6.5		9.5		6		78				<0.2		1.8	
					Middle	4.1	0.6	357	29.1	29.1	8.0	8.0	16.3	16.3	79.5	79.5	5.6		9.8		7		81				<0.2		1.8	
						4.1	0.6	328	29.1		8.0		16.3		79.5		5.6		9.8		7		82				<0.2		1.7	
					Bottom	7.1	0.4	357	27.2	27.2	7.9	7.9	26.8	26.8	56.4	56.4	3.9	3.9	13.2		8		84				<0.2		1.7	
						7.1	0.5	328	27.2		7.9		26.8		56.4		3.9		13.2		7		84				<0.2		1.8	
IM5	Cloudy	Rough	10:24	7.5	Surface	1.0	0.5	15	29.2	29.2	8.0	8.0	14.2	14.2	88.5	88.5	6.3	5.8	10.1	11.6	5	5	77	81	820750	804837	<0.2	<0.2	1.8	1.8
						1.0	0.5	15	29.2		8.0		14.2		88.5		6.3		10.1		6		79				<0.2		1.8	
					Middle	3.8	0.5	17	29.0	29.0	8.0	8.0	14.7	14.7	74.2	74.2	5.3		11.2		4		81				<0.2		1.8	
						3.8	0.6	17	29.0		8.0		14.7		74.2		5.3		11.2		5		82				<0.2		1.8	
					Bottom	6.5	0.4	18	27.9	27.9	7.9	7.9	23.4	23.4	62.8	62.8	4.3	4.3	13.5		6		84				<0.2		1.9	
						6.5	0.4	19	27.9		7.9		23.4		62.8		4.3		13.5		6		84				<0.2		1.7	
IM6	Cloudy	Rough	10:33	7.5	Surface	1.0	0.4	30	29.2	29.2	8.0	8.0	14.1	14.1	86.5	86.5	6.1	5.8	10.9	13.8	6	6	78	80	821066	805802	<0.2	<0.2	1.8	1.8
						1.0	0.5	31	29.2		8.0		14.1		86.5		6.1		10.9		6		78				<0.2		1.9	
					Middle	3.8	0.4	15	29.1	29.1	8.0	8.0	14.4	14.4	75.9	75.9	5.4		12.9		6		80				<0.2		1.7	
						3.8	0.5	16	29.1		8.0		14.4		75.9		5.4		12.9		6		80				<0.2		1.8	
					Bottom	6.5	0.2	8	27.7	27.7	7.9	7.9	25.1	25.1	69.7	69.7	4.8	4.8	17.7		6		83				<0.2		1.8	
						6.5	0.2	8	27.7		7.9		25.1		69.7		4.8		17.7		6		83				<0.2		1.7	
IM7	Cloudy	Rough	10:41	9.0	Surface	1.0	0.6	25	29.1	29.1	8.0	8.0	14.8	14.8	94.0	94.0	6.6	6.5	9.8	11.9	5	6	77	80	821366	806814	<0.2	<0.2	1.7	1.7
						1.0	0.6	27	29.1		8.0		14.8		94.0		6.6		9.8		6		77				<0.2		1.9	
					Middle	4.5	0.5	16	29.0	29.0	8.0	8.0	15.8	15.8	90.2	90.2	6.4		11.2		6		80				<0.2		1.7	
						4.5	0.5	16	29.0		8.0		15.8		90.1		6.4		11.3		6		80				<0.2		1.7	
					Bottom	8.0	0.5	40	28.8	28.8	8.0	8.0	17.5	17.5	86.8	86.8	6.1	6.1	14.6		6		83				<0.2		1.6	
						8.0	0.5	42	28.8		8.0		17.5		86.8		6.1		14.6		6		82				<0.2		1.8	
IM8	Cloudy	Moderate	09:52	8.0	Surface	1.0	0.3	329	29.1	29.1	8.0	8.0	15.0	15.0	83.1	83.1	5.9	5.7	4.0	9.9	5	6	77	80	821801	808127	<0.2	<0.2	1.8	1.9
						1.0	0.3	348	29.1		8.0		15.0		83.1		5.9		4.0		6		78				<0.2		1.8	
					Middle	4.0	0.4	316	29.1	29.1	8.0	8.0	15.8	15.8	78.8	78.8	5.6		4.7		6		80				<0.2		2.0	
						4.0	0.4	319	29.1		8.0		15.8		78.7		5.5		4.7		6		80				<0.2		1.9	
					Bottom	7.0	0.4	306	28.6	28.6	8.0	8.0	19.6	19.6	68.8	69.0	4.8	4.8	20.8		6		81				<0.2		1.8	
						7.0	0.4	327	28.6		8.0		19.7		69.1		4.8		21.2		7		82				<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 03 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	09:46	7.9	Surface	1.0	0.3	310	29.1	29.1	8.0	8.0	15.2	15.2	83.2	83.2	5.9	5.7	9.3	12.4	6	6	77	80	822099	808830	<0.2	<0.2	2.0	2.0
						1.0	0.3	315	29.1		8.0		15.2		83.2		5.9		9.3		6		78				<0.2		1.9	
					Middle	4.0	0.5	309	29.0	29.0	8.0	8.0	16.0	16.0	78.4	78.4	5.5		9.9		4		79				<0.2		2.0	
						4.0	0.5	311	29.0		8.0		16.0		78.4		5.5		9.9		4		80				<0.2		2.0	
					Bottom	6.9	0.3	300	28.6	28.6	8.0	8.0	19.9	19.9	69.0	69.2	4.8	4.8	17.7		7		83				<0.2		1.9	
						6.9	0.3	303	28.5		8.0		20.0		69.3		4.8		18.1		6		83				<0.2		1.9	
IM10	Fine	Moderate	09:39	8.1	Surface	1.0	0.4	322	29.1	29.1	8.0	8.0	15.5	15.5	80.7	80.6	5.7	5.4	3.2	7.0	6	6	78	80	822355	809774	<0.2	<0.2	1.9	1.8
						1.0	0.4	327	29.1		8.0		15.5		80.4		5.7		3.2		6		78				<0.2		1.7	
					Middle	4.1	0.5	309	28.9	28.9	8.0	8.0	18.4	18.5	72.9	72.9	5.1		4.4		6		79				<0.2		1.8	
						4.1	0.5	330	28.9		8.0		18.6		72.9		5.1		4.2		7		79				<0.2		1.8	
					Bottom	7.1	0.4	285	28.4	28.4	8.0	8.0	20.5	20.6	66.1	66.1	4.6	4.6	13.4		6		82				<0.2		1.8	
						7.1	0.4	289	28.4		8.0		20.6		66.1		4.6		13.8		7		82				<0.2		2.0	
IM11	Fine	Moderate	09:28	8.2	Surface	1.0	0.4	302	29.2	29.2	8.0	8.0	15.0	15.0	82.9	82.8	5.9	5.4	3.0	8.6	5	5	77	80	822054	811448	<0.2	<0.2	2.0	1.9
						1.0	0.4	308	29.2		8.0		15.0		82.7		5.8		2.9		5		78				<0.2		1.9	
					Middle	4.1	0.5	289	28.8	28.8	8.0	8.0	18.5	18.5	70.6	70.5	4.9		5.0		5		80				<0.2		1.9	
						4.1	0.6	301	28.8		8.0		18.5		70.3		4.9		5.1		5		80				<0.2		1.8	
					Bottom	7.2	0.2	296	27.5	27.5	8.0	8.0	24.6	24.6	57.1	57.2	3.9	3.9	17.9		5		83				<0.2		1.9	
						7.2	0.2	309	27.5		8.0		24.6		57.2		3.9		17.9		6		83				<0.2		1.7	
IM12	Fine	Moderate	09:21	8.5	Surface	1.0	0.3	283	29.2	29.2	8.0	8.0	14.5	14.5	83.6	83.5	5.9	5.6	3.0	6.8	5	6	77	80	821435	812052	<0.2	<0.2	1.8	1.9
						1.0	0.4	297	29.2		8.0		14.5		83.4		5.9		3.0		5		77				<0.2		1.9	
					Middle	4.3	0.5	280	28.9	28.9	8.0	8.0	17.3	17.3	75.5	75.4	5.3		5.9		7		79				<0.2		2.0	
						4.3	0.5	294	28.9		8.0		17.3		75.3		5.3		6.4		5		80				<0.2		1.9	
					Bottom	7.5	0.4	279	28.7	28.7	8.0	8.0	18.8	18.8	75.0	75.2	5.2	5.2	11.5		7		82				<0.2		1.8	
						7.5	0.4	291	28.7		8.0		18.8		75.3		5.2		11.0		6		82				<0.2		1.9	
SR2	Fine	Moderate	08:50	5.3	Surface	1.0	0.3	132	29.0	29.0	8.0	8.0	16.0	16.0	76.8	76.7	5.4	5.4	5.0	8.4	6	6	77	80	821475	814161	<0.2	<0.2	2.1	1.9
						1.0	0.3	133	29.0		8.0		16.0		76.6		5.4		5.0		6		78				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	147	28.3	28.3	8.0	8.0	20.5	20.5	67.3	67.4	4.7	4.7	11.8		6		82				<0.2		1.8	
						4.3	0.2	149	28.3		8.0		20.5		67.4		4.7		11.6		5		82				<0.2		1.8	
SR3	Cloudy	Moderate	09:58	9.1	Surface	1.0	0.2	341	29.1	29.1	8.0	8.0	15.0	15.0	82.9	82.9	5.9	5.7	4.0	7.0	5	6	-	-	822162	807596	-	-	-	-
						1.0	0.3	314	29.1		8.0		15.0		82.8		5.9		3.9		5		-				-		-	
					Middle	4.6	0.3	324	29.1	29.1	8.0	8.0	15.7	15.7	78.5	78.5	5.5		4.9		6		-				-		-	
						4.6	0.3	354	29.1		8.0		15.7		78.4		5.5		5.2		6		-				-		-	
					Bottom	8.1	0.4	314	28.7	28.7	8.0	8.0	18.9	18.9	69.8	69.8	4.9	4.9	12.0		5		-				-		-	
						8.1	0.4	345	28.7		8.0		19.0		69.8		4.9		11.8		6		-				-		-	
SR4A	Cloudy	Calm	09:13	9.4	Surface	1.0	0.2	259	29.0	29.0	8.0	8.0	16.5	16.5	83.6	83.5	5.9	5.6	10.1	12.7	5	6	-	-	817169	807806	-	-	-	-
						1.0	0.2	259	29.0		8.0		16.5		83.3		5.9		10.1		6		-				-		-	
					Middle	4.7	0.3	252	29.0	29.0	8.0	8.0	18.3	18.3	74.3	74.3	5.2		11.6		6		-				-		-	
						4.7	0.3	256	29.0		8.0		18.3		74.3		5.2		11.6		6		-				-		-	
					Bottom	8.4	0.2	231	27.6	27.6	7.8	7.8	25.5	25.5	57.0	57.0	3.9	3.9	16.3		7		-				-		-	
						8.4	0.2	251	27.6		7.8		25.5		57.0		3.9		16.3		6		-				-		-	
SR5A	Cloudy	Calm	08:59	5.3	Surface	1.0	0.3	299	29.2	29.2	8.0	8.0	18.0	18.0	86.4	86.4	6.0	6.0	11.4	12.5	7	7	-	-	816601	810667	-	-	-	-
						1.0	0.3	305	29.2		8.0		18.0		86.4		6.0		11.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	286	29.1	29.1	8.0	8.0	18.7	18.7	87.3	87.3	6.1	6.1	13.5		6		-				-		-	
						4.3	0.2	296	29.1		8.0		18.7		87.3		6.1		13.5		6		-				-		-	
SR6	Rainy	Calm	08:35	4.3	Surface	1.0	0.2	236	29.1	29.1	7.9	7.9	16.3	16.3	85.6	85.6	6.0	6.0	11.4	13.9	7	9	-	-	817880	814692	-	-	-	-
						1.0	0.2	239	29.1		7.9		16.3		85.6		6.0		11.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	45	29.0	29.0	7.9	7.9	19.0	19.0	89.4	89.4	6.2	6.2	16.3		11		-				-		-	
						3.3	0.0	45	29.0		7.9		19.0		89.4		6.2		16.3		10		-				-		-	
SR7	Fine	Moderate	07:57	18.4	Surface	1.0	0.1	219	29.0	29.0	8.0	8.0	16.3	16.3	81.1	81.1	5.7	**4.8**	1.2	2.0	5	5	-	-	823637	823771	-	-	-	-
						1.0	0.1	231	29.0		8.0		16.3		81.0		5.7		1.2		6		-				-		-	
					Middle	9.2	0.1	111	27.2	27.2	8.0	8.0	25.6	25.6	56.1	56.2	3.9		2.1		7		-				-		-	
						9.2	0.1	111	27.2		8.0		25.5		56.2		3.9		2.1		5		-				-		-	
					Bottom	17.4	0.2	68	26.1	26.1	8.0	8.0	29.1	29.1	50.4	50.5	3.5	3.5	2.8		5		-				-		-	
						17.4	0.2	69	26.1		8.0		29.1		50.5		3.5		2.9		4		-				-		-	
SR8	Fine	Moderate	09:10	3.7	Surface	1.0	-	-	29.2	29.2	8.0	8.0	14.6	14.6	84.1	84.1	6.0	6.0	4.3	4.6	6	6	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.2		8.0		14.6		84.1		5.9		4.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	-	-	28.9	28.9	8.0	8.0	16.9	16.9	78.9	79.0	5.5	5.6	4.9		7		-				-		-	
						2.7	-	-	28.9		8.0		16.9		79.0		5.6		4.9		6		-				-		-	

DA: *Depth-Averaged*

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:53	8.8	Surface	1.0	0.3	216	29.4	29.4	8.2	8.2	15.4	15.4	108.9	108.8	7.6	6.6	9.8	15.8	6	7	70	72	815637	804248	<0.2	<0.2	1.5	1.5
						1.0	0.4	226	29.4		8.2		15.4		108.7		7.6		9.8		6		70				<0.2		1.5	
					Middle	4.4	0.3	225	29.4	29.4	8.1	8.1	15.5	15.5	80.3	79.7	5.6		13.0		6		72				<0.2		1.6	
						4.4	0.3	228	29.4		8.1		15.5		79.0		5.5		13.2		7		72				<0.2		1.4	
					Bottom	7.8	0.5	203	26.3	26.3	7.9	7.9	29.5	29.5	51.0	51.3	3.5	3.5	24.4		9		75				<0.2		1.4	
						7.8	0.6	218	26.3		7.9		29.5		51.6		3.5		24.6		8		75				<0.2		1.4	
C2	Cloudy	Moderate	15:54	11.8	Surface	1.0	0.4	166	29.0	29.0	8.1	8.1	13.8	13.8	74.9	74.9	5.3	5.0	8.1	9.8	7	7	71	73	825677	806954	<0.2	<0.2	1.6	1.7
						1.0	0.4	166	29.0		8.1		13.8		74.9		5.3		8.1		7		71				<0.2		1.6	
					Middle	5.9	0.3	176	28.5	28.5	8.0	8.0	18.7	18.7	66.3	66.3	4.6		8.4		5		72				<0.2		1.7	
						5.9	0.3	180	28.5		8.0		18.7		66.3		4.6		8.4		6		73				<0.2		1.7	
					Bottom	10.8	0.5	171	26.7	26.7	8.0	8.0	26.5	26.5	60.5	60.5	4.2	4.2	12.8		6		75				<0.2		1.7	
						10.8	0.5	174	26.7		8.0		26.5		60.5		4.2		12.8		8		75				<0.2		1.6	
C3	Cloudy	Moderate	18:40	12.0	Surface	1.0	0.4	151	29.0	29.0	8.0	8.0	16.3	16.3	89.7	89.7	6.3	5.9	7.9	9.5	7	8	73	75	822100	817799	<0.2	<0.2	1.6	1.7
						1.0	0.4	156	29.0		8.0		16.3		89.7		6.3		7.9		7		73				<0.2		1.7	
					Middle	6.0	0.2	183	28.0	28.0	8.0	8.0	18.5	18.5	77.1	77.1	5.4		10.9		6		75				<0.2		1.7	
						6.0	0.2	183	28.0		8.0		18.5		77.1		5.4		10.9		6		75				<0.2		1.7	
					Bottom	11.0	0.4	166	28.0	28.0	8.0	8.0	23.3	23.3	88.2	88.2	6.1	6.1	9.8		11		76				<0.2		1.7	
						11.0	0.5	174	28.0		8.0		23.3		88.2		6.1		9.8		10		77				<0.2		1.6	
IM1	Cloudy	Moderate	16:34	5.1	Surface	1.0	0.1	146	29.5	29.5	8.2	8.2	15.2	15.2	107.3	107.3	7.5	7.5	10.2	10.4	7	7	70	72	817925	807135	<0.2	<0.2	1.4	1.4
						1.0	0.1	158	29.5		8.2		15.3		107.3		7.5		10.2		6		70				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	169	29.4	29.4	8.2	8.2	15.3	15.3	105.4	105.6	7.4	7.4	10.5		8		74				<0.2		1.4	
						4.1	0.2	174	29.4		8.2		15.3		105.8		7.4		10.8		8		75				<0.2		1.5	
IM2	Cloudy	Moderate	16:27	7.6	Surface	1.0	0.3	186	29.5	29.5	8.1	8.1	15.0	15.0	103.4	103.3	7.3	7.0	9.3	10.6	4	5	70	72	818137	806166	<0.2	<0.2	1.3	1.3
						1.0	0.3	195	29.5		8.1		15.0		103.1		7.2		9.3		6		70				<0.2		1.2	
					Middle	3.8	0.3	203	29.4	29.4	8.1	8.1	15.3	15.3	96.5	96.4	6.8		9.8		5		72				<0.2		1.4	
						3.8	0.4	214	29.4		8.1		15.3		96.3		6.8		9.8		5		72				<0.2		1.3	
					Bottom	6.6	0.1	138	26.8	26.8	7.9	7.9	27.8	27.8	66.6	67.1	4.6	4.6	12.3		4		74				<0.2		1.3	
						6.6	0.1	139	26.8		7.9		27.8		67.6		4.6		12.8		5		74				<0.2		1.3	
IM3	Cloudy	Moderate	16:21	7.7	Surface	1.0	0.2	191	29.4	29.4	8.1	8.1	14.9	14.9	94.0	93.2	6.6	6.1	11.8	13.4	5	5	70	72	818803	805584	<0.2	<0.2	1.3	1.4
						1.0	0.2	204	29.4		8.1		14.9		92.4		6.5		11.5		5		70				<0.2		1.3	
					Middle	3.9	0.2	188	29.3	29.3	8.0	8.0	15.2	15.2	81.2	80.9	5.7		12.8		4		72				<0.2		1.4	
						3.9	0.2	198	29.3		8.0		15.2		80.5		5.7		12.9		5		72				<0.2		1.3	
					Bottom	6.7	0.1	204	26.6	26.6	7.8	7.8	28.3	28.3	50.8	51.1	3.5	3.5	15.9		6		74				<0.2		1.4	
						6.7	0.1	207	26.6		7.8		28.4		51.3		3.5		15.5		7		75				<0.2		1.4	
IM4	Cloudy	Moderate	16:12	7.8	Surface	1.0	0.3	158	29.6	29.6	8.1	8.1	12.7	12.7	96.4	94.8	6.8	5.4	10.6	14.1	4	4	70	72	819711	804595	<0.2	<0.2	1.4	1.4
						1.0	0.3	171	29.6		8.1		12.7		93.1		6.6		10.9		2		70				<0.2		1.4	
					Middle	3.9	0.2	152	29.1	29.1	8.0	8.0	15.7	15.6	57.5	57.0	4.1		14.3		3		72				<0.2		1.4	
						3.9	0.2	154	29.1		8.0		15.6		56.4		4.0		14.6		4		72				<0.2		1.5	
					Bottom	6.8	0.3	152	26.7	26.7	7.8	7.8	27.9	27.9	55.7	57.9	3.8	4.0	16.9		6		74				<0.2		1.4	
						6.8	0.3	157	26.7		7.8		27.9		60.0		4.1		17.2		5		75				<0.2		1.3	
IM5	Cloudy	Moderate	16:05	7.6	Surface	1.0	0.2	147	29.6	29.6	8.1	8.1	12.3	12.3	95.4	95.2	6.8	6.1	12.3	15.0	4	4	70	72	820732	804850	<0.2	<0.2	1.3	1.4
						1.0	0.2	160	29.6		8.1		12.3		94.9		6.8		12.4		4		70				<0.2		1.3	
					Middle	3.8	0.1	238	29.1	29.1	8.0	8.0	15.8	15.8	76.3	76.0	5.4		15.4		3		72				<0.2		1.4	
						3.8	0.1	258	29.1		8.0		15.8		75.6		5.3		15.6		4		72				<0.2		1.4	
					Bottom	6.6	0.3	255	27.7	27.7	7.9	7.9	22.3	22.3	66.1	66.4	4.6	4.6	17.0		3		74				<0.2		1.5	
						6.6	0.3	268	27.7		7.9		22.3		66.6		4.6		17.3		4		74				<0.2		1.2	
IM6	Cloudy	Moderate	15:57	7.3	Surface	1.0	0.3	146	29.6	29.6	8.1	8.1	12.7	12.7	101.0	101.0	7.2	6.8	10.1	13.7	3	4	70	72	821040	805827	<0.2	<0.2	1.3	1.3
						1.0	0.3	152	29.6		8.1		12.7		101.0		7.2		10.1		3		70				<0.2		1.3	
					Middle	3.7	0.3	175	29.3	29.3	8.0	8.0	14.9	14.9	88.8	88.8	6.3		11.4		4		72				<0.2		1.3	
						3.7	0.3	180	29.3		8.0		14.9		88.8		6.3		11.4		4		72				<0.2		1.3	
					Bottom	6.3	0.3	222	28.1	28.1	7.9	7.9	21.0	21.0	64.3	64.3	4.5	4.5	19.6		4		75				<0.2		1.3	
						6.3	0.3	233	28.1		7.9		21.0		64.3		4.5		19.6		4		74				<0.2		1.3	
IM7	Cloudy	Moderate	15:47	9.0	Surface	1.0	0.3	132	29.5	29.5	8.1	8.1	13.6	13.6	91.9	91.7	6.5	5.9	10.8	15.0	4	4	69	72	821345	806820	<0.2	<0.2	1.3	1.3
						1.0	0.4	140	29.5		8.1		13.6		91.4		6.5		10.8		4		69				<0.2		1.3	
					Middle	4.5	0.2	198	29.0	29.0	7.9	7.9	16.7	16.7	75.5	74.6	5.3		13.0		4		72				<0.2		1.3	
						4.5	0.2	204	28.9		7.9		16.7		73.7		5.2		13.7		4		71				<0.2		1.3	
					Bottom	8.0	0.3	202	28.0	28.0	7.9	7.9	21.9	21.9	73.6	73.9	5.1	5.2	20.8		4		74				<0.2		1.3	
						8.0	0.3	202	28.0		7.9		21.9		74.2		5.2		20.8		4		74				<0.2		1.4	
IM8	Cloudy	Moderate	16:19	7.9	Surface	1.0	0.2	99	29.5	29.5	8.1	8.1	13.8	13.8	95.3	95.3	6.7	5.9	8.2	11.0	5	5	71	73	821810	808111	<0.2	<0.2	1.5	1.6
						1.0	0.2	102	29.5		8.1		13.8		95.3		6.7		8.2		4		72				<0.2		1.6	
					Middle	4.0	0.2	152	28.7	28.7	8.0	8.0	17.3	17.3	71.8	71.8	5.0		10.8		5		72				<0.2		1.6	
						4.0	0.2	156	28.7		8.0		17.3		71.8		5.0		10.8		5		73				<0.2		1.5	
					Bottom	6.9	0.1	161	28.2	28.2	7.9	7.9	20.2	20.2	69.6	69.6	4.9	4.9	14.1		7		74				<0.2		1.6	
						6.9	0.1	169	28.2		7.9		20.2		69.6		4.9		14.1		6		76				<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 05 July 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	16:30	7.2	Surface	1.0	0.2	129	29.4	29.4	8.1	8.1	14.3	14.3	88.4	88.4	6.2	5.7	10.7	16.2	5	5	71	73	822074	808814	<0.2	<0.2	1.6	1.6
						1.0	0.2	138	29.4		8.1		14.3		88.4		6.2		10.7		5		72				<0.2		1.6	
					Middle	3.6	0.2	95	28.6	28.6	8.0	8.0	19.4	19.4	74.8	74.8	5.2		17.2		5		72				<0.2		1.6	
						3.6	0.2	102	28.6		8.0		19.4		74.8		5.2		17.2		4		73				<0.2		1.6	
					Bottom	6.2	0.1	137	28.2	28.2	7.9	7.9	20.6	20.6	86.5	86.5	6.0	6.0	20.7		5		75				<0.2		1.6	
						6.2	0.1	143	28.2		7.9		20.6		86.5		6.0		20.7		5		75				<0.2		1.7	
IM10	Cloudy	Moderate	16:33	7.4	Surface	1.0	0.3	118	29.3	29.3	8.1	8.1	14.1	14.1	84.2	84.2	6.0	5.7	11.1	15.5	3	4	72	73	822357	809784	<0.2	<0.2	1.6	1.6
						1.0	0.3	128	29.3		8.1		14.1		84.2		6.0		11.1		4		71				<0.2		1.6	
					Middle	3.7	0.3	95	28.9	28.9	8.0	8.0	16.9	16.9	76.3	76.3	5.4		15.1		4		73				<0.2		1.6	
						3.7	0.4	101	28.9		8.0		16.9		76.3		5.4		15.1		4		74				<0.2		1.6	
					Bottom	6.4	0.2	116	28.0	28.0	7.9	7.9	21.2	21.2	75.2	75.2	5.2	5.2	20.2		4		75				<0.2		1.5	
						6.4	0.3	118	28.0		7.9		21.2		75.2		5.2		20.2		4		75				<0.2		1.6	
IM11	Cloudy	Moderate	16:46	7.3	Surface	1.0	0.4	114	29.4	29.4	8.1	8.1	14.8	14.8	93.8	93.8	6.6	6.2	9.2	12.6	4	5	72	75	822081	811442	<0.2	<0.2	1.6	1.6
						1.0	0.5	121	29.4		8.1		14.8		93.8		6.6		9.2		4		73				<0.2		1.6	
					Middle	3.7	0.4	103	28.9	28.9	8.1	8.1	16.3	16.3	81.6	81.6	5.7		12.2		5		75				<0.2		1.6	
						3.7	0.4	103	28.9		8.1		16.3		81.6		5.7		12.2		5		75				<0.2		1.6	
					Bottom	6.3	0.3	136	27.9	27.9	7.9	7.9	21.5	21.5	82.3	82.3	5.7	5.7	16.5		6		76				<0.2		1.6	
						6.3	0.3	148	27.9		7.9		21.5		82.3		5.7		16.5		5		77				<0.2		1.6	
IM12	Cloudy	Moderate	16:51	8.2	Surface	1.0	0.5	87	29.5	29.5	8.2	8.2	14.6	14.6	102.7	102.7	7.2	6.8	8.3	10.5	4	5	72	74	821430	812050	<0.2	<0.2	1.6	1.5
						1.0	0.5	87	29.5		8.2		14.6		102.7		7.2		8.3		4		73				<0.2		1.4	
					Middle	4.1	0.5	92	29.2	29.2	8.1	8.1	15.6	15.6	88.8	88.8	6.3		10.4		5		73				<0.2		1.5	
						4.1	0.5	98	29.2		8.1		15.6		88.8		6.3		10.4		5		73				<0.2		1.4	
					Bottom	7.2	0.3	100	28.7	28.7	8.0	8.0	19.0	19.0	93.2	93.2	6.5	6.5	12.9		4		75				<0.2		1.5	
						7.2	0.3	108	28.7		8.0		19.0		93.2		6.5		12.9		6		75				<0.2		1.5	
SR2	Cloudy	Moderate	17:18	4.6	Surface	1.0	0.3	93	29.4	29.4	8.2	8.2	14.8	14.8	99.2	99.2	7.0	7.0	9.0	10.0	7	7	72	74	821444	814152	<0.2	<0.2	1.6	1.6
						1.0	0.4	99	29.4		8.2		14.8		99.2		7.0		9.0		8		73				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	84	29.1	29.1	8.1	8.1	16.3	16.3	98.3	98.3	6.9	6.9	11.0		6		74				<0.2		1.6	
						3.6	0.2	84	29.1		8.1		16.3		98.3		6.9		11.0		6		75				<0.2		1.5	
SR3	Cloudy	Moderate	16:12	8.8	Surface	1.0	0.2	114	29.4	29.4	8.1	8.1	13.8	13.8	92.4	92.4	6.5	6.0	8.6	10.7	6	6	-	-	822131	807550	-	-	-	-
						1.0	0.2	122	29.4		8.1		13.8		92.4		6.5		8.6		5		-				-		-	
					Middle	4.4	0.2	139	28.8	28.8	8.0	8.0	17.4	17.4	77.9	77.9	5.5		10.4		6		-				-		-	
						4.4	0.2	140	28.8		8.0		17.4		77.9		5.5		10.4		5		-				-		-	
					Bottom	7.8	0.2	206	28.2	28.2	8.0	8.0	20.9	20.9	85.9	85.9	6.0	6.0	13.0		6		-				-		-	
						7.8	0.2	225	28.2		8.0		20.9		85.9		6.0		13.0		7		-				-		-	
SR4A	Cloudy	Moderate	17:17	8.2	Surface	1.0	0.1	356	29.4	29.4	8.2	8.2	15.4	15.4	88.6	88.1	6.2	5.7	12.6	16.7	7	7	-	-	817215	807795	-	-	-	-
						1.0	0.1	328	29.4		8.2		15.4		87.5		6.1		12.7		6		-				-		-	
					Middle	4.1	0.1	319	28.7	28.7	8.0	8.0	20.5	20.4	74.7	74.6	5.2		15.0		5		-				-		-	
						4.1	0.1	336	28.7		8.0		20.2		74.5		5.2		15.0		7		-				-		-	
					Bottom	7.2	-	155	27.0	27.0	7.9	7.9	26.9	26.9	62.9	63.3	4.3	4.4	22.6		9		-				-		-	
						7.2	-	165	27.0		7.9		26.9		63.6		4.4		22.4		9		-				-		-	
SR5A	Cloudy	Moderate	17:32	5.0	Surface	1.0	0.2	282	29.5	29.5	8.1	8.1	16.8	16.8	102.7	102.6	7.1	7.1	11.3	11.3	7	7	-	-	816622	810697	-	-	-	-
						1.0	0.2	298	29.5		8.1		16.8		102.5		7.1		11.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	221	29.4	29.4	8.0	8.0	17.9	17.9	103.8	104.0	7.2	7.2	11.2		7		-				-		-	
						4.0	0.1	231	29.5		8.0		17.9		104.2		7.2		11.2		7		-				-		-	
SR6	Cloudy	Moderate	17:59	4.1	Surface	1.0	0.2	19	29.6	29.6	8.0	8.0	16.4	16.4	92.6	92.5	6.4	6.4	13.3	14.5	8	8	-	-	817878	814681	-	-	-	-
						1.0	0.2	19	29.6		8.0		16.4		92.3		6.4		13.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	280	28.8	28.8	7.9	7.9	18.4	18.4	94.7	95.1	6.6	6.7	15.6		8		-				-		-	
						3.1	0.1	307	28.8		7.9		18.4		95.4		6.7		15.6		7		-				-		-	
SR7	Cloudy	Moderate	18:10	16.3	Surface	1.0	0.5	94	29.1	29.1	8.1	8.1	15.7	15.7	95.1	95.1	6.7	6.6	6.8	7.3	6	6	-	-	823618	823770	-	-	-	-
						1.0	0.5	96	29.1		8.1		15.7		95.1		6.7		6.8		5		-				-		-	
					Middle	8.2	0.1	106	28.9	28.9	8.1	8.1	16.5	16.5	91.8	91.8	6.5		6.9		6		-				-		-	
						8.2	0.1	113	28.9		8.1		16.5		91.8		6.5		6.9		7		-				-		-	
					Bottom	15.3	0.2	94	26.7	26.7	8.0	8.0	25.4	25.4	72.0	72.0	5.0	5.0	8.3		6		-				-		-	
						15.3	0.2	99	26.7		8.0		25.4		72.0		5.0		8.3		7		-				-		-	
SR8	Cloudy	Moderate	17:01	4.6	Surface	1.0	-	-	29.3	29.3	8.2	8.2	15.4	15.4	95.1	95.1	6.7	6.7	12.4	11.8	11	11	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.3		8.2		15.4		95.1		6.7		12.4		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	29.2	29.2	8.2	8.2	15.9	15.9	97.2	97.2	6.8	6.8	11.1		12		-				-		-	
						3.6	-	-	29.2		8.2		15.9		97.2		6.8		11.1		12		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Moderate	10:28	8.6	Surface	1.0	0.5	44	29.3	29.3	8.1	8.1	15.0	15.0	100.4	100.2	7.1	6.7	9.6	11.0	5	5	70	72	815634	804255	<0.2	<0.2	1.3	1.4
						1.0	0.5	46	29.3		8.1		15.0		100.0		7.0		9.7		4		70				<0.2		1.5	
					Middle	4.3	0.4	42	29.2	29.2	8.0	8.0	15.2	15.2	91.2	91.0	6.4		10.2		6		72				<0.2		1.4	
						4.3	0.4	43	29.2		8.0		15.2		90.8		6.4		10.3		6		72				<0.2		1.4	
					Bottom	7.6	0.3	27	27.7	27.6	7.9	7.9	18.3	18.4	71.8	72.1	5.1	5.2	13.1		6		74				<0.2		1.4	
						7.6	0.3	27	27.6		7.9		18.5		72.4		5.2		13.2		5		74				<0.2		1.5	
C2	Cloudy	Rough	12:10	12.1	Surface	1.0	0.9	5	29.3	29.3	8.0	8.0	12.6	12.6	90.0	90.0	6.4	5.7	8.6	9.1	5	6	71	73	825655	806956	<0.2	<0.2	1.8	2.1
						1.0	1.0	5	29.3		8.0		12.6		90.0		6.4		8.6		5		71				<0.2		1.7	
					Middle	6.1	0.5	356	28.2	28.2	7.9	7.9	20.7	20.7	69.9	69.9	4.9		9.1		4		73				<0.2		2.2	
						6.1	0.6	328	28.2		7.9		20.7		69.9		4.9		9.1		5		73				<0.2		2.2	
					Bottom	11.1	0.6	351	27.8	27.8	7.9	7.9	22.2	22.2	77.0	77.0	5.3	5.3	9.7		8		75				<0.2		2.2	
						11.1	0.7	323	27.8		7.9		22.2		77.0		5.3		9.7		9		74				<0.2		2.3	
C3	Cloudy	Moderate	09:55	12.2	Surface	1.0	0.6	20	29.0	29.0	8.0	8.0	15.5	15.5	86.9	86.9	6.1	6.0	7.3	7.6	5	4	72	75	822080	817829	<0.2	<0.2	2.2	2.3
						1.0	0.6	21	29.0		8.0		15.5		86.9		6.1		7.3		4		73				<0.2		2.4	
					Middle	6.1	0.5	227	28.7	28.7	8.0	8.0	17.4	17.4	82.0	82.0	5.8		7.3		4		75				<0.2		2.3	
						6.1	0.6	237	28.7		8.0		17.4		82.0		5.8		7.3		3		75				<0.2		2.4	
					Bottom	11.2	0.4	231	26.4	26.4	7.9	7.9	26.8	26.8	73.9	73.9	5.1	5.1	8.2		4		76				<0.2		2.2	
						11.2	0.5	243	26.4		7.9		26.8		73.9		5.1		8.2		3		77				<0.2		2.2	
IM1	Cloudy	Moderate	10:42	5.7	Surface	1.0	0.2	28	29.5	29.5	8.1	8.1	15.2	15.2	104.7	104.7	7.3	7.3	9.8	11.3	6	6	70	71	817936	807127	<0.2	<0.2	1.7	1.8
						1.0	0.3	29	29.5		8.1		15.2		104.7		7.3		9.8		6		70				<0.2		1.8	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.3	332	29.3	29.3	8.1	8.1	15.6	15.6	101.7	101.9	7.1	7.2	12.7		5		72				<0.2		1.7	
						4.7	0.3	305	29.3		8.1		15.6		102.1		7.2		12.7		5		72				<0.2		1.9	
IM2	Sunny	Rough	10:57	7.9	Surface	1.0	0.5	32	29.4	29.4	8.0	8.0	14.8	14.8	100.9	100.9	7.1	6.9	9.3	10.3	4	5	70	73	818157	806173	<0.2	<0.2	1.7	1.7
						1.0	0.5	34	29.4		8.0		14.8		100.8		7.1		9.4		6		71				<0.2		1.8	
					Middle	4.0	0.3	7	29.3	29.3	8.0	8.0	15.2	15.2	95.7	95.6	6.7		9.9		5		73				<0.2		1.6	
						4.0	0.3	7	29.3		8.0		15.2		95.4		6.7		9.9		5		72				<0.2		1.7	
					Bottom	6.9	0.4	343	29.1	29.1	8.0	8.0	17.3	17.2	91.8	92.0	6.4	6.4	11.7		6		75				<0.2		1.7	
						6.9	0.4	316	29.1		8.0		17.1		92.2		6.4		11.3		5		75				<0.2		1.7	
IM3	Sunny	Rough	11:12	7.7	Surface	1.0	0.4	23	29.5	29.5	8.0	8.0	14.6	14.6	97.1	97.0	6.8	6.6	10.0	11.2	5	4	71	73	818805	805577	<0.2	<0.2	1.8	1.7
						1.0	0.4	23	29.5		8.0		14.6		96.9		6.8		10.1		4		70				<0.2		1.8	
					Middle	3.9	0.3	11	29.4	29.4	8.0	8.0	14.7	14.7	90.4	90.3	6.4		10.4		4		72				<0.2		1.6	
						3.9	0.3	11	29.4		8.0		14.7		90.1		6.4		10.4		4		72				<0.2		1.6	
					Bottom	6.7	0.3	329	28.4	28.4	7.9	7.9	20.2	20.8	82.2	82.6	5.7	5.7	13.2		5		75				<0.2		1.7	
						6.7	0.4	356	28.4		7.9		21.5		82.9		5.7		13.1		4		75				<0.2		1.6	
IM4	Sunny	Rough	11:21	8.2	Surface	1.0	0.5	27	29.5	29.5	8.0	8.0	13.3	13.3	91.4	91.2	6.5	5.7	11.4	13.7	6	6	70	73	819727	804616	<0.2	<0.2	1.7	1.7
						1.0	0.5	28	29.5		8.0		13.3		91.0		6.5		11.4		5		70				<0.2		1.7	
					Middle	4.1	0.5	22	29.3	29.3	8.0	8.0	14.3	14.3	70.5	70.0	5.0		12.7		7		73				<0.2		1.6	
						4.1	0.5	22	29.3		8.0		14.3		69.5		4.9		12.8		5		72				<0.2		1.8	
					Bottom	7.2	0.4	344	26.7	26.7	7.8	7.8	28.5	28.5	61.0	61.0	4.2	4.2	16.8		7		75				<0.2		1.8	
						7.2	0.4	359	26.7		7.8		28.4		60.9		4.2		16.8		6		75				<0.2		1.8	
IM5	Sunny	Rough	11:33	7.5	Surface	1.0	0.4	19	29.5	29.5	8.0	8.0	14.1	14.1	97.3	97.2	6.9	6.8	10.6	11.6	4	5	70	72	820707	804849	<0.2	<0.2	1.9	1.8
						1.0	0.4	20	29.5		8.0		14.1		97.0		6.9		10.6		5		70				<0.2		1.8	
					Middle	3.8	0.5	18	29.3	29.3	8.0	8.0	14.4	14.4	94.1	94.1	6.6		10.6		5		72				<0.2		1.8	
						3.8	0.5	19	29.4		8.0		14.4		94.0		6.6		10.6		4		72				<0.2		1.8	
					Bottom	6.5	0.3	359	27.1	27.1	7.9	7.9	27.3	27.4	78.1	78.8	5.3	5.4	13.8		4		75				<0.2		1.6	
						6.5	0.3	330	27.1		7.9		27.4		79.4		5.4		13.6		5		75				<0.2		1.8	
IM6	Cloudy	Rough	11:43	7.5	Surface	1.0	0.3	35	29.5	29.5	8.0	8.0	14.0	14.0	97.2	97.1	6.9	6.6	10.6	14.3	4	5	70	73	821075	805810	<0.2	<0.2	1.7	1.8
						1.0	0.3	37	29.5		8.0		14.0		97.0		6.9		10.7		5		70				<0.2		1.9	
					Middle	3.8	0.4	40	29.3	29.3	8.0	8.0	14.7	14.7	90.1	90.1	6.4		11.7		4		72				<0.2		1.8	
						3.8	0.4	40	29.3		8.0		14.7		90.0		6.3		11.7		5		73				<0.2		1.8	
					Bottom	6.5	0.4	330	27.5	27.5	7.9	7.9	23.1	23.5	76.1	76.6	5.3	5.3	20.6		5		75				<0.2		1.6	
						6.5	0.4	344	27.4		7.9		24.0		77.1		5.3		20.6		5		75				<0.2		1.7	
IM7	Cloudy	Rough	11:56	8.6	Surface	1.0	0.5	44	29.5	29.5	8.1	8.1	15.2	15.2	101.7	101.7	7.1	6.5	10.2	15.8	5	5	70	73	821341	806861	<0.2	<0.2	1.8	1.9
						1.0	0.5	47	29.5		8.1		15.2		101.6		7.1		10.2		5		71				<0.2		1.7	
					Middle	4.3	0.3	43	29.2	29.2	8.1	8.1	16.0	16.0	84.0	83.8	5.9		13.6		6		72				<0.2		1.8	
						4.3	0.4	43	29.2		8.1		16.0		83.5		5.9		13.7		5		72				<0.2		1.8	
					Bottom	7.6	0.3	55	28.0	28.0	7.9	7.9	20.6	20.9	72.0	72.0	5.0	5.0	23.4		4		75				<0.2		1.8	
						7.6	0.3	55	28.0		7.9		21.2		72.0		5.0		23.8		4		75				<0.2		2.2	
IM8	Cloudy	Rough	11:42	8.1	Surface	1.0	0.2	323	29.4	29.4	8.0	8.0	14.1	14.1	90.0	90.0	6.4	6.1	10.0	11.5	4	5	71	73	821859	808154	<0.2	<0.2	2.2	2.2
						1.0	0.2	323	29.4		8.0		14.1		90.0		6.4		10.0		5		71				<0.2		2.2	
					Middle	4.1	0.2	286	29.1	29.1	8.0	8.0	15.0	15.0	80.1	80.1	5.7		11.7		5		72				<0.2		2.0	
						4.1	0.2	305	29.1		8.0		15.0		80.1		5.7		11.7		5		72				<0.2		2.2	
					Bottom	7.1	0.1	75	28.6	28.6	7.9	7.9	18.5	18.5	78.2	78.2	5.5	5.5	12.7		6		75				<0.2		2.2	
						7.1	0.1	78	28.6		7.9		18.5		78.2		5.5		12.7		6		74				<0.2		2.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	11:35	7.6	Surface	1.0	0.1	332	29.3	29.3	8.0	8.0	14.1	14.1	92.4	92.4	6.5	6.5	8.5	10.6	4	5	71	73	822121	808808	<0.2	<0.2	2.1	2.2
						1.0	0.1	354	29.3		8.0		14.1		92.4		6.5		8.5		4		71				<0.2		2.2	
					Middle	3.8	0.1	300	29.2	29.2	8.0	8.0	14.6	14.6	90.7	90.7	6.4		9.6		4		73				<0.2		2.2	
						3.8	0.1	304	29.2		8.0		14.6		90.7		6.4		9.6		4		73				<0.2		2.3	
					Bottom	6.6	0.3	322	29.1	29.1	8.0	8.0	15.9	15.9	97.0	97.0	6.8	6.8	13.6		5		75				<0.2		2.0	
						6.6	0.3	347	29.1		8.0		15.9		97.0		6.8		13.6		6		75				<0.2		2.2	
IM10	Cloudy	Rough	11:27	7.6	Surface	1.0	0.2	324	29.3	29.3	8.0	8.0	13.7	13.7	90.7	90.7	6.4	6.2	9.0	10.5	4	4	73	74	822386	809806	<0.2	<0.2	2.2	2.2
						1.0	0.3	338	29.3		8.0		13.7		90.7		6.4		9.0		3		72				<0.2		2.2	
					Middle	3.8	0.1	284	29.0	29.0	8.0	8.0	15.8	15.8	85.7	85.7	6.0		11.1		3		74				<0.2		2.2	
						3.8	0.1	284	29.0		8.0		15.8		85.7		6.0		11.1		5		75				<0.2		2.2	
					Bottom	6.6	0.4	334	29.0	29.0	7.9	7.9	18.3	18.3	95.9	95.9	6.7	6.7	11.4		3		75				<0.2		2.1	
						6.6	0.4	357	29.0		7.9		18.3		95.9		6.7		11.4		5		76				<0.2		2.3	
IM11	Cloudy	Moderate	11:20	6.8	Surface	1.0	0.1	353	29.4	29.4	8.0	8.0	13.8	13.8	91.2	91.2	6.5	6.4	8.1	8.2	4	4	72	74	822065	811452	<0.2	<0.2	2.2	2.1
						1.0	0.1	325	29.4		8.0		13.8		91.2		6.5		8.1		4		72				<0.2		1.9	
					Middle	3.4	0.2	317	29.1	29.1	8.0	8.0	14.9	14.9	87.1	87.1	6.2		8.2		5		74				<0.2		2.0	
						3.4	0.2	325	29.1		8.0		14.9		87.1		6.2		8.2		5		74				<0.2		2.0	
					Bottom	5.8	0.5	284	29.0	29.0	8.0	8.0	17.9	17.9	92.1	92.1	6.4	6.4	8.4		4		75				<0.2		2.3	
						5.8	0.5	300	29.0		8.0		17.9		92.1		6.4		8.4		4		75				<0.2		2.1	
IM12	Cloudy	Moderate	11:12	8.4	Surface	1.0	0.3	296	29.3	29.3	8.0	8.0	13.7	13.7	86.4	86.4	6.1	5.8	8.2	8.9	4	5	72	74	821441	812062	<0.2	<0.2	2.2	2.2
						1.0	0.3	312	29.3		8.0		13.7		86.4		6.1		8.2		5		73				<0.2		2.2	
					Middle	4.2	0.4	295	28.7	28.7	8.0	8.0	17.7	17.7	77.3	77.3	5.4		9.0		6		74				<0.2		2.1	
						4.2	0.4	315	28.7		8.0		17.7		77.3		5.4		9.0		4		75				<0.2		2.1	
					Bottom	7.4	0.3	306	28.1	28.1	7.9	7.9	23.1	23.1	84.3	84.3	5.8	5.8	9.4		5		76				<0.2		2.2	
						7.4	0.3	310	28.1		7.9		23.1		84.3		5.8		9.4		5		76				<0.2		2.6	
SR2	Cloudy	Moderate	10:42	4.6	Surface	1.0	0.0	253	29.2	29.2	8.0	8.0	13.6	13.6	90.0	90.0	6.4	6.4	11.9	13.1	6	6	73	74	821441	814178	<0.2	<0.2	2.4	2.3
						1.0	0.0	271	29.2		8.0		13.6		90.0		6.4		11.9		6		72				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	312	29.0	29.0	8.0	8.0	15.6	15.6	92.1	92.1	6.5	6.5	14.3		5		75				<0.2		2.4	
						3.6	0.0	327	29.0		8.0		15.6		92.1		6.5		14.3		6		75				<0.2		2.3	
SR3	Cloudy	Rough	11:49	8.4	Surface	1.0	0.4	19	29.4	29.4	8.0	8.0	13.9	13.9	89.7	89.7	6.4	6.1	8.5	9.3	6	6	-	-	822136	807590	-	-	-	-
						1.0	0.4	20	29.4		8.0		13.9		89.7		6.4		8.5		6		-				-		-	
					Middle	4.2	0.3	4	29.0	29.0	8.0	8.0	16.2	16.2	82.2	82.2	5.8		9.1		7		-				-		-	
						4.2	0.4	4	29.0		8.0		16.2		82.2		5.8		9.1		6		-				-		-	
					Bottom	7.4	0.1	341	28.7	28.7	7.9	7.9	19.7	19.7	84.0	84.0	5.8	5.8	10.2		6		-				-		-	
						7.4	0.2	343	28.7		7.9		19.7		84.0		5.8		10.2		6		-				-		-	
SR4A	Cloudy	Moderate	10:01	8.7	Surface	1.0	0.2	223	29.2	29.2	8.0	8.0	16.6	16.6	87.9	87.8	6.1	5.5	10.6	16.1	5	6	-	-	817195	807807	-	-	-	-
						1.0	0.2	225	29.2		8.0		16.6		87.6		6.1		10.6		5		-				-		-	
					Middle	4.4	0.2	243	29.0	29.0	7.9	7.9	17.6	17.5	70.5	70.5	4.9		14.7		7		-				-		-	
						4.4	0.2	247	29.0		7.9		17.5		70.5		4.9		14.9		8		-				-		-	
					Bottom	7.7	0.1	243	27.1	27.1	7.8	7.8	26.5	26.5	69.4	70.4	4.8	4.9	22.8		6		-				-		-	
						7.7	0.1	261	27.1		7.8		26.5		71.4		4.9		22.9		7		-				-		-	
SR5A	Cloudy	Moderate	09:42	4.3	Surface	1.0	0.3	303	29.1	29.1	7.9	7.9	18.1	18.1	81.9	81.9	5.7	5.7	11.8	12.9	8	10	-	-	816601	810676	-	-	-	-
						1.0	0.3	317	29.1		7.9		18.1		81.8		5.7		11.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	310	29.0	29.0	7.9	7.9	18.7	18.7	81.4	81.5	5.7	5.7	13.9		11		-				-		-	
						3.3	0.2	317	29.0		7.9		18.7		81.5		5.7		14.0		10		-				-		-	
SR6	Rainy	Moderate	09:15	4.2	Surface	1.0	0.4	244	29.1	29.1	7.9	7.9	15.8	15.8	79.2	79.0	5.6	5.6	11.7	11.5	7	7	-	-	817907	814685	-	-	-	-
						1.0	0.4	265	29.1		7.9		15.8		78.8		5.6		11.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	212	28.8	28.8	7.9	7.9	18.5	18.5	74.1	74.1	5.2	5.2	11.3		7		-				-		-	
						3.2	0.1	224	28.8		7.9		18.5		74.1		5.2		11.3		7		-				-		-	
SR7	Cloudy	Moderate	09:15	16.5	Surface	1.0	0.1	123	29.0	29.0	8.0	8.0	15.4	15.4	87.2	87.2	6.2	5.5	7.1	7.4	4	4	-	-	823614	823722	-	-	-	-
						1.0	0.1	130	29.0		8.0		15.4		87.2		6.2		7.1		4		-				-		-	
					Middle	8.3	0.1	157	28.1	28.1	8.0	8.0	20.4	20.4	68.0	68.0	4.7		7.3		3		-				-		-	
						8.3	0.1	158	28.1		8.0		20.4		68.0		4.7		7.3		3		-				-		-	
					Bottom	15.5	0.1	226	25.6	25.6	7.9	7.9	29.1	29.1	51.1	51.1	3.5	3.5	7.7		5		-				-		-	
						15.5	0.1	238	25.6		7.9		29.1		51.1		3.5		7.7		5		-				-		-	
SR8	Cloudy	Moderate	11:00	5.3	Surface	1.0	-	-	29.2	29.2	8.1	8.1	14.1	14.1	97.1	97.2	6.9	6.9	8.2	8.2	4	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.2		8.1		14.1		97.2		6.9		8.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	29.1	29.1	8.1	8.1	14.9	14.9	102.4	102.4	7.2	7.2	8.2		4		-				-		-	
						4.3	-	-	29.1		8.1		14.9		102.4		7.2		8.2		3		-				-		-	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 July 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	Cloudy	Moderate	18:52	8.4	Surface	1.0	0.3	219	29.8	29.8	8.2	8.2	9.8	9.8	101.6	101.4	7.3	5.6	9.6	10.3	3	4	74	77	815616	804231	<0.2	<0.2	<0.2	1.4	1.5
						1.0	0.4	222	29.8		8.2		9.8		101.1		7.3		9.6		4		75				<0.2			1.5	
					Middle	4.2	0.3	222	27.7	27.7	7.9	7.9	22.9	22.9	56.5	56.5	3.9		10.3		4		76				<0.2	<0.2		1.5	
						4.2	0.3	229	27.7		7.9		22.9		56.5		3.9		10.3		4		76				<0.2			1.6	
					Bottom	7.4	0.2	222	25.6	25.6	7.8	7.8	30.7	30.7	66.5	66.5	4.6	4.6	10.9		5		79				<0.2	<0.2		1.6	
						7.4	0.2	239	25.6		7.8		30.7		66.5		4.6		10.9		4		79				<0.2			1.5	
C2	Cloudy	Moderate	17:50	11.7	Surface	1.0	0.2	194	29.6	29.6	8.1	8.1	10.7	10.7	99.4	99.4	7.1	5.5	7.8	9.2	4	5	76	78	825708	806958	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.3	206	29.6		8.1		10.7		99.3		7.1		7.8		4		76				<0.2			1.8	
					Middle	5.9	0.1	188	27.1	27.1	7.9	7.9	24.2	24.2	54.6	54.6	3.8		9.1		6		78				<0.2	<0.2		1.8	
						5.9	0.1	202	27.1		7.9		24.2		54.6		3.8		9.1		6		78				<0.2			1.8	
					Bottom	10.7	0.2	155	26.3	26.3	7.9	7.9	26.9	26.9	60.8	61.1	4.2	4.3	10.7		6		80				<0.2	<0.2		1.9	
						10.7	0.2	169	26.3		7.9		26.9		61.3		4.3		10.6		5		80				<0.2			1.9	
C3	Cloudy	Moderate	19:39	12.1	Surface	1.0	0.1	106	29.4	29.4	8.2	8.2	14.0	14.0	109.3	109.2	7.7	6.6	6.4	5.9	2	3	77	79	822102	817783	<0.2	<0.2	<0.2	1.8	1.9
						1.0	0.1	110	29.4		8.2		14.0		109.0		7.7		6.4		3		77				<0.2			1.9	
					Middle	6.1	0.2	357	28.3	28.3	8.0	8.0	18.7	18.7	79.1	79.0	5.6		5.2		2		78				<0.2	<0.2		1.9	
						6.1	0.2	328	28.3		8.0		18.7		78.9		5.5		5.2		4		79				<0.2			1.8	
					Bottom	11.1	0.2	126	26.4	26.4	7.9	7.9	26.1	26.1	68.6	68.8	4.8	4.8	6.1		4		81				<0.2	<0.2		1.9	
						11.1	0.2	137	26.4		7.9		26.1		69.0		4.8		6.1		4		81				<0.2			1.9	
IM1	Cloudy	Moderate	18:34	5.2	Surface	1.0	0.2	158	29.8	29.8	8.2	8.2	10.7	10.7	99.1	99.1	7.1	7.1	10.6	13.8	3	3	75	76	817940	807115	<0.2	<0.2	<0.2	1.7	1.8
						1.0	0.2	171	29.8		8.2		10.7		99.1		7.1		10.6		3		75				<0.2			1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.2	0.1	132	26.6	26.6	7.8	7.8	27.2	27.2	60.5	60.5	4.2	4.2	17.0		4		76				<0.2	<0.2		1.8	
						4.2	0.1	132	26.6		7.8		27.2		60.5		4.2		17.0		3		76				<0.2			1.8	
IM2	Cloudy	Moderate	18:27	7.4	Surface	1.0	0.6	205	29.8	29.8	8.2	8.2	11.2	11.2	99.8	99.8	7.1	5.0	9.7	13.3	4	3	74	76	818178	806136	<0.2	<0.2	<0.2	1.6	1.7
						1.0	0.6	222	29.8		8.2		11.2		99.8		7.1		9.7		2		74				<0.2			1.9	
					Middle	3.7	0.2	186	26.6	26.6	7.9	7.9	25.8	25.8	41.5	41.5	2.9		12.7		4		76				<0.2	<0.2		1.7	
						3.7	0.2	187	26.6		7.9		25.8		41.5		2.9		12.7		3		76				<0.2			1.7	
					Bottom	6.4	0.0	143	26.2	26.2	7.8	7.8	28.6	28.6	49.7	49.7	3.4	3.4	17.5		2		78				<0.2	<0.2		1.8	
						6.4	0.0	144	26.2		7.8		28.6		49.7		3.4		17.5		3		78				<0.2			1.7	
IM3	Cloudy	Moderate	18:21	7.6	Surface	1.0	0.4	200	29.8	29.8	8.2	8.2	11.5	11.5	91.1	91.1	6.5	4.9	9.8	11.5	3	3	74	76	818758	805615	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.4	209	29.8		8.2		11.5		91.1		6.5		9.8		3		74				<0.2			1.9	
					Middle	3.8	0.3	180	26.6	26.6	7.8	7.8	27.0	27.0	48.5	48.5	3.3		11.0		4		76				<0.2	<0.2		1.7	
						3.8	0.3	185	26.6		7.8		27.0		48.5		3.3		11.0		3		77				<0.2			1.8	
					Bottom	6.6	0.1	114	26.0	26.0	7.8	7.8	29.4	29.4	60.3	60.3	4.1	4.1	13.6		3		78				<0.2	<0.2		1.8	
						6.6	0.1	119	26.0		7.8		29.4		60.3		4.1		13.6		3		79				<0.2			1.7	
IM4	Cloudy	Moderate	18:13	7.6	Surface	1.0	0.4	180	29.6	29.6	8.1	8.1	11.7	11.7	93.7	93.7	6.7	5.6	10.1	10.7	4	4	74	77	819709	804633	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.4	192	29.6		8.1		11.7		93.7		6.7		10.1		3		75				<0.2			1.8	
					Middle	3.8	0.3	194	28.5	28.5	7.9	7.9	18.7	18.7	63.4	63.4	4.4		10.5		4		76				<0.2	<0.2		1.9	
						3.8	0.3	210	28.5		7.9		18.7		63.4		4.4		10.5		6		76				<0.2			1.8	
					Bottom	6.6	0.2	171	26.3	26.3	7.8	7.8	28.5	28.5	50.8	50.8	3.5	3.5	11.5		4		79				<0.2	<0.2		1.8	
						6.6	0.2	175	26.3		7.8		28.5		50.8		3.5		11.5		4		79				<0.2			1.8	
IM5	Cloudy	Moderate	18:06	7.2	Surface	1.0	0.3	243	29.7	29.7	8.1	8.1	9.7	9.7	87.5	87.5	6.3	5.4	10.2	12.7	3	3	74	76	820722	804875	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.3	261	29.7		8.1		9.7		87.5		6.3		10.2		2		74				<0.2			2.0	
					Middle	3.6	0.4	244	28.2	28.2	7.9	7.9	19.7	19.7	62.7	62.7	4.4		11.5		3		75				<0.2	<0.2		2.0	
						3.6	0.4	256	28.2		7.9		19.7		62.7		4.4		11.5		3		76				<0.2			2.0	
					Bottom	6.2	0.2	209	26.4	26.4	7.8	7.8	28.1	28.1	60.7	60.7	4.2	4.2	16.4		3		78				<0.2	<0.2		2.0	
						6.2	0.2	222	26.4		7.8		28.1		60.7		4.2		16.4		2		78				<0.2			2.0	
IM6	Cloudy	Moderate	17:59	7.0	Surface	1.0	0.3	192	29.7	29.7	8.1	8.1	10.6	10.6	89.2	89.2	6.4	5.4	10.4	14.0	4	4	74	76	821057	805813	<0.2	<0.2	<0.2	2.1	2.1
						1.0	0.4	207	29.7		8.1		10.6		89.2		6.4		10.4		4		74				<0.2			2.1	
					Middle	3.5	0.3	231	28.1	28.1	7.9	7.9	20.6	20.6	62.6	62.6	4.4		11.9		3		76				<0.2	<0.2		2.2	
						3.5	0.3	233	28.1		7.9		20.6		62.6		4.4		11.9		4		76				<0.2			2.0	
					Bottom	6.0	0.3	237	27.2	27.2	7.8	7.8	24.4	24.4	57.2	57.2	4.0	4.0	19.6		3		78				<0.2	<0.2		2.0	
						6.0	0.3	242	27.2		7.8		24.4		57.2		4.0		19.6		3		78				<0.2			2.1	
IM7	Cloudy	Moderate	17:49	8.4	Surface	1.0	0.2	215	29.7	29.7	8.1	8.1	11.6	11.6	91.7	91.7	6.5	5.5	9.8	11.4	4	4	73	76	821325	806856	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.2	229	29.7		8.1		11.6		91.7		6.5		9.8		2		74				<0.2			1.8	
					Middle	4.2	0.3	208	28.1	28.1	7.9	7.9	20.0	20.0	62.2	62.2	4.4		9.6		4		76				<0.2	<0.2		1.9	
						4.2	0.3	218	28.1		7.9		20.0		62.2		4.4		9.6		4		76				<0.2			1.9	
					Bottom	7.4	0.3	242	27.5	27.5	7.8	7.8	24.5	24.5	55.8	55.8	3.9	3.9	14.7		3		78				<0.2	<0.2		2.0	
						7.4	0.4	265	27.5		7.8		24.5		55.8		3.9		14.7		5		79				<0.2			1.8	
IM8	Cloudy	Moderate	18:19	7.4	Surface	1.0	0.1	142	29.3	29.3	8.0	8.0	12.1	12.1	86.7	86.7	6.2	5.5	7.8	9.2	2	3	73	76	821807	808122	<0.2	<0.2	<0.2	2.0	1.9
						1.0	0.1	151	29.3		8.0		12.1		86.6		6.2		7.8		3		75				<0.2			1.8	
					Middle	3.7	0.2	170	28.2	28.2	7.9	7.9	19.4	19.4	67.4	67.4	4.7		7.9		3		76				<0.2	<0.2		1.9	
						3.7	0.2	181	28.2		7.9		19.4		67.4		4.7		7.9		4		76				<0.2			1.9	
					Bottom	6.4	0.2	170	27.5	27.5	7.9	7.9	22.6	22.6	57.5	57.6	4.0	4.0	11.9		3		78				<0.2	<0.2		2.0	
						6.4	0.2	184	27.5		7.9		22.6		57.6		4.0		12.0		4		78				<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 07 July 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	Cloudy	Moderate	18:26	7.2	Surface	1.0	0.3	125	29.5	29.5	8.0	8.0	11.4	11.4	93.4	93.4	6.7	5.7	7.6	11.0	3	4	77	79	822067	808794	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.3	134	29.5		8.0		11.4		93.3		6.7		7.6		3		76				<0.2			2.0	
					Middle	3.6	0.1	73	28.1	28.1	7.9	7.9	19.6	19.6	67.3	67.3	4.7		8.3		4		78				<0.2	<0.2		2.0	
						3.6	0.1	74	28.1		7.9		19.6		67.3		4.7		8.3		4		78				<0.2			2.0	
					Bottom	6.2	0.2	157	27.2	27.2	7.9	7.9	23.7	23.7	65.2	65.5	4.5	4.6	17.0		5		81				<0.2	<0.2		1.9	
						6.2	0.2	172	27.2		7.9		23.7		65.7		4.6		17.0		4		81				<0.2			2.0	
IM10	Cloudy	Moderate	18:34	6.9	Surface	1.0	0.3	128	29.4	29.4	8.0	8.0	11.6	11.6	92.7	92.6	6.6	6.3	7.7	9.0	4	4	76	78	822409	809809	<0.2	<0.2	<0.2	2.0	1.9
						1.0	0.3	134	29.4		8.0		11.6		92.5		6.6		7.7		5		76				<0.2			1.9	
					Middle	3.5	0.3	106	29.1	29.1	8.0	8.0	13.7	13.6	84.4	84.3	6.0		7.9		5		78				<0.2	<0.2		1.9	
						3.5	0.3	116	29.1		8.0		13.6		84.2		6.0		7.9		4		78				<0.2			1.9	
					Bottom	5.9	0.2	118	27.1	27.1	7.9	7.9	24.0	24.0	71.6	72.0	5.0	5.0	11.5		3		80				<0.2	<0.2		1.9	
						5.9	0.2	120	27.1		7.9		24.0		72.3		5.0		11.4		4		81				<0.2			1.8	
IM11	Cloudy	Moderate	18:47	9.1	Surface	1.0	0.4	105	29.4	29.4	8.1	8.1	12.2	12.2	94.0	94.0	6.7	6.1	7.6	9.3	2	3	78	80	822036	811486	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.4	114	29.4		8.1		12.2		94.0		6.7		7.6		3		79				<0.2			2.1	
					Middle	4.6	0.2	96	28.4	28.4	8.0	8.0	18.4	18.4	76.4	76.4	5.4		7.4		3		80				<0.2	<0.2		1.9	
						4.6	0.2	103	28.4		8.0		18.4		76.3		5.4		7.4		4		80				<0.2			1.9	
					Bottom	8.1	0.1	177	27.1	27.1	7.9	7.9	23.7	23.7	65.4	65.6	4.6	4.6	12.9		3		82				<0.2	<0.2		2.0	
						8.1	0.2	181	27.1		7.9		23.7		65.8		4.6		12.9		4		82				<0.2			2.0	
IM12	Cloudy	Moderate	18:53	8.7	Surface	1.0	0.3	87	29.5	29.5	8.1	8.1	11.6	11.6	98.8	98.8	7.1	6.3	8.4	8.0	4	4	77	80	821451	812021	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.3	87	29.5		8.1		11.6		98.7		7.1		8.4		3		77				<0.2			1.9	
					Middle	4.4	0.2	100	28.2	28.2	8.0	8.0	19.9	19.8	77.0	77.1	5.4		7.4		3		80				<0.2	<0.2		1.9	
						4.4	0.3	106	28.2		8.0		19.8		77.1		5.4		7.4		3		80				<0.2			1.9	
					Bottom	7.7	0.1	143	27.0	27.0	7.9	7.9	24.1	24.1	73.9	74.2	5.2	5.2	8.3		4		82				<0.2	<0.2		2.0	
						7.7	0.1	154	27.0		7.9		24.0		74.5		5.2		8.3		4		82				<0.2			2.0	
SR2	Cloudy	Moderate	19:17	3.2	Surface	1.0	0.2	68	29.4	29.4	8.1	8.1	11.3	11.3	105.0	105.0	7.5	7.5	7.4	8.0	4	4	78	79	821436	814173	<0.2	<0.2	<0.2	2.0	2.0
						1.0	0.3	72	29.4		8.1		11.3		104.9		7.5		7.4		4		78				<0.2			1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	2.2	0.2	65	29.4	29.4	8.1	8.1	14.5	14.5	101.8	101.8	7.2	7.2	8.6		4		80				<0.2	<0.2		2.0	
						2.2	0.3	70	29.4		8.1		14.5		101.8		7.2		8.5		3		80				<0.2			2.0	
SR3	Cloudy	Moderate	18:13	9.0	Surface	1.0	0.2	183	29.5	29.5	8.1	8.1	10.7	10.7	97.7	97.7	7.0	5.8	7.5	10.7	4	4	-	-	822166	807574	-	-	-	-	-
						1.0	0.3	191	29.5		8.1		10.7		97.6		7.0		7.5		4		-				-			-	
					Middle	4.5	0.3	185	28.0	28.0	7.9	7.9	19.8	19.8	64.2	64.2	4.5		9.4		4		-				-	-		-	
						4.5	0.3	193	28.0		7.9		19.8		64.1		4.5		9.5		4		-				-			-	
					Bottom	8.0	0.2	213	27.3	27.3	7.9	7.9	23.6	23.6	67.1	67.4	4.7	4.7	15.2		4		-				-	-		-	
						8.0	0.2	224	27.4		7.9		23.6		67.7		4.7		15.2		4		-				-			-	
SR4A	Cloudy	Moderate	19:13	8.9	Surface	1.0	0.2	252	29.9	29.9	8.2	8.2	11.7	11.7	99.5	99.3	7.1	5.1	10.8	16.8	5	5	-	-	817210	807829	-	-	-	-	-
						1.0	0.2	262	29.9		8.2		11.7		99.0		7.0		10.9		3		-				-			-	
					Middle	4.5	0.1	85	27.0	27.0	7.8	7.8	25.3	25.3	46.5	46.5	3.2		18.5		6		-				-	-		-	
						4.5	0.1	91	27.0		7.8		25.3		46.5		3.2		18.5		6		-				-			-	
					Bottom	7.9	0.2	73	26.5	26.5	7.8	7.8	27.7	27.7	56.1	56.1	3.9	3.9	21.1		5		-				-	-		-	
						7.9	0.2	76	26.5		7.8		27.7		56.1		3.9		21.1		5		-				-			-	
SR5A	Cloudy	Moderate	19:29	4.1	Surface	1.0	0.0	71	29.8	29.8	8.2	8.2	15.9	15.9	114.5	114.5	8.0	8.0	10.4	10.5	4	3	-	-	816604	810704	-	-	-	-	-
						1.0	0.0	71	29.8		8.2		15.9		114.5		8.0		10.5		3		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.1	0.0	154	29.7	29.7	8.1	8.1	16.9	16.9	110.7	110.7	7.7	7.7	10.6		3		-				-	-		-	
						3.1	0.0	161	29.7		8.1		16.9		110.7		7.7		10.6		3		-				-			-	
SR6	Cloudy	Moderate	19:52	4.4	Surface	1.0	0.0	79	29.7	29.7	8.1	8.1	15.6	15.6	110.4	110.4	7.7	7.7	10.3	11.2	5	5	-	-	817880	814674	-	-	-	-	-
						1.0	0.0	85	29.7		8.1		15.6		110.4		7.7		10.3		4		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.4	0.0	45	29.6	29.6	8.1	8.1	17.2	17.2	108.4	108.4	7.5	7.5	12.1		5		-				-	-		-	
						3.4	0.0	49	29.6		8.1		17.2		108.4		7.5		12.1		6		-				-			-	
SR7	Cloudy	Moderate	20:09	21.5	Surface	1.0	0.3	101	29.4	29.4	8.2	8.2	13.8	13.8	113.3	113.3	8.0	6.2	6.2	6.5	3	3	-	-	823653	823728	-	-	-	-	-
						1.0	0.3	109	29.4		8.2		13.8		113.2		8.0		6.2		3		-				-			-	
					Middle	10.8	0.2	121	26.5	26.5	8.0	8.0	25.7	25.7	63.8	63.9	4.4		6.2		2		-				-	-		-	
						10.8	0.2	130	26.5		8.0		25.7		64.0		4.5		6.2		2		-				-			-	
					Bottom	20.5	0.1	30	24.8	24.8	7.9	7.9	30.3	30.3	54.2	54.4	3.8	3.8	7.0		4		-				-	-		-	
						20.5	0.1	30	24.8		7.9		30.3		54.6		3.8		7.0		5		-				-			-	
SR8	Cloudy	Calm	19:04	3.4	Surface	1.0	-	-	29.5	29.5	8.2	8.2	11.7	11.7	102.8	102.7	7.3	7.3	10.1	10.4	5	6	-	-	820246	811418	-	-	-	-	-
						1.0	-	-	29.5		8.2		11.7		102.6		7.3		10.1		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	2.4	-	-	29.0	29.0	8.1	8.1	15.9	15.9	90.1	90.2	6.4	6.4	10.6		7		-				-	-		-	
						2.4	-	-	29.0		8.1		15.9		90.3		6.4		10.6		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 07 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
C1	Cloudy	Moderate	14:04	8.9	Surface	1.0	0.2	32	29.7	29.7	8.1	8.1	11.0	11.0	98.7	98.5	7.1	6.3	9.5	13.1	4	4	76	78	815646	804243	<0.2	<0.2	<0.2	1.8	1.9
						1.0	0.2	32	29.7		8.1		11.0		98.3		7.0		9.6		4		76				<0.2			1.9	
					Middle	4.5	0.2	54	29.1	29.1	8.0	8.0	14.2	14.2	79.4	79.2	5.6		12.1		4		78				<0.2	<0.2		2.0	
						4.5	0.2	54	29.1		8.0		14.2		79.0		5.6		12.2		3		78				<0.2			1.9	
					Bottom	7.9	0.3	44	25.8	25.8	7.8	7.8	29.9	29.9	78.8	78.8	5.4	5.4	17.9		4		80				<0.2	<0.2		1.9	
						7.9	0.4	46	25.8		7.8		29.9		78.8		5.4		17.4		3		80				<0.2			1.8	
C2	Cloudy	Moderate	14:53	13.1	Surface	1.0	0.1	93	29.5	29.5	8.0	8.0	10.7	11.0	94.3	94.3	6.8	5.9	8.3	7.7	5	5	78	80	825681	806939	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.1	98	29.5		8.0		11.3		94.2		6.8		8.3		4		78				<0.2			1.8	
					Middle	6.6	0.1	324	28.3	28.3	7.9	7.9	19.1	19.1	69.8	69.8	4.9		7.5		6		80				<0.2	<0.2		1.8	
						6.6	0.1	325	28.3		7.9		19.1		69.8		4.9		7.5		6		81				<0.2			1.7	
					Bottom	12.1	0.1	340	27.6	27.6	7.9	7.9	22.3	22.3	71.0	71.0	5.0	5.0	7.2		6		82				<0.2	<0.2		1.7	
						12.1	0.1	350	27.6		7.9		22.3		71.0		5.0		7.2		5		82				<0.2			1.7	
C3	Cloudy	Calm	13:04	12.2	Surface	1.0	0.3	255	29.2	29.2	8.1	8.1	14.7	14.7	92.7	92.7	6.6	5.4	6.7	9.2	5	5	78	80	822084	817773	<0.2	<0.2	<0.2	1.9	1.7
						1.0	0.3	256	29.2		8.1		14.7		92.7		6.6		6.7		5		78				<0.2			1.6	
					Middle	6.1	0.2	250	26.6	26.6	7.9	7.9	24.5	24.5	59.6	59.6	4.2		8.9		5		80				<0.2	<0.2		1.7	
						6.1	0.2	262	26.6		7.9		24.5		59.6		4.2		9.1		5		80				<0.2			1.7	
					Bottom	11.2	0.2	280	25.7	25.7	7.9	7.9	29.2	29.2	70.1	70.1	4.9	4.9	11.8		4		82				<0.2	<0.2		1.6	
						11.2	0.2	289	25.7		7.9		29.2		70.1		4.9		11.8		5		82				<0.2			1.8	
IM1	Cloudy	Calm	14:25	5.1	Surface	1.0	0.3	27	29.9	29.9	8.2	8.2	10.9	10.9	112.2	112.1	8.0	8.0	9.5	9.5	4	4	76	77	817975	807136	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.4	27	29.9		8.2		10.9		111.9		8.0		9.5		3		76				<0.2			1.8	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.1	0.1	337	29.8	29.8	8.1	8.1	12.0	12.0	110.6	110.7	7.9	7.9	9.5		4		78				<0.2	<0.2		1.7	
						4.1	0.1	347	29.8		8.1		12.0		110.7		7.9		9.5		3		78				<0.2			2.0	
IM2	Cloudy	Moderate	14:32	7.4	Surface	1.0	0.2	32	29.9	29.9	8.1	8.1	10.4	10.4	106.6	106.5	7.6	7.2	10.2	12.7	4	3	76	78	818158	806144	<0.2	<0.2	<0.2	1.8	1.9
						1.0	0.2	34	29.9		8.1		10.4		106.4		7.6		10.3		3		76				<0.2			2.0	
					Middle	3.7	0.2	7	29.5	29.4	8.1	8.1	13.1	13.1	95.6	95.5	6.8		12.9		4		78				<0.2	<0.2		1.9	
						3.7	0.3	7	29.4		8.1		13.1		95.3		6.8		13.0		3		78				<0.2			2.0	
					Bottom	6.4	0.1	303	28.6	28.5	8.0	8.0	15.3	15.5	92.5	92.8	6.6	6.6	14.6		2		80				<0.2	<0.2		1.9	
						6.4	0.1	308	28.5		8.0		15.7		93.1		6.6		14.9		2		80				<0.2			2.0	
IM3	Cloudy	Moderate	14:39	7.8	Surface	1.0	0.3	54	29.8	29.8	8.1	8.1	9.8	9.8	103.8	103.7	7.5	7.1	9.6	10.8	2	3	75	78	818766	805568	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.3	58	29.8		8.1		9.8		103.6		7.5		9.6		3		76				<0.2			1.7	
					Middle	3.9	0.3	33	29.5	29.5	8.1	8.1	13.9	13.9	95.6	95.5	6.8		9.7		3		78				<0.2	<0.2		1.8	
						3.9	0.4	35	29.5		8.1		14.0		95.3		6.7		9.7		3		78				<0.2			1.9	
					Bottom	6.8	0.3	329	27.0	27.0	7.9	7.9	26.0	26.1	77.8	78.4	5.4	5.4	13.2		4		80				<0.2	<0.2		2.0	
						6.8	0.3	343	27.0		7.9		26.1		79.0		5.4		13.2		3		80				<0.2			1.7	
IM4	Cloudy	Moderate	14:50	7.4	Surface	1.0	0.2	70	29.8	29.8	8.1	8.1	9.0	9.0	101.7	101.7	7.3	6.9	9.8	9.4	3	4	76	78	819709	804577	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.3	71	29.8		8.1		9.0		101.6		7.3		9.8		3		76				<0.2			1.8	
					Middle	3.7	0.1	236	29.6	29.6	8.1	8.1	12.8	12.8	90.9	90.9	6.5		9.3		3		78				<0.2	<0.2		1.8	
						3.7	0.1	242	29.6		8.1		12.8		90.9		6.5		9.3		4		79				<0.2			1.7	
					Bottom	6.4	0.2	346	27.5	27.5	7.9	7.9	19.0	19.5	67.9	68.2	4.8	4.8	9.2		4		80				<0.2	<0.2		1.8	
						6.4	0.2	318	27.4		7.9		20.0		68.4		4.8		9.2		5		81				<0.2			1.8	
IM5	Cloudy	Moderate	14:57	7.0	Surface	1.0	0.2	15	29.8	29.8	8.1	8.1	9.4	9.4	100.6	100.6	7.2	6.6	9.9	11.7	5	4	75	78	820761	804846	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.2	15	29.8		8.1		9.4		100.5		7.2		9.9		4		75				<0.2			1.7	
					Middle	3.5	0.2	356	29.4	29.4	8.1	8.1	14.7	14.7	84.2	84.1	5.9		10.4		4		78				<0.2	<0.2		1.9	
						3.5	0.2	328	29.4		8.1		14.7		83.9		5.9		10.4		5		78				<0.2			1.8	
					Bottom	6.0	0.1	17	26.4	26.4	7.8	7.8	28.8	28.7	58.9	59.8	4.0	4.1	14.8		4		80				<0.2	<0.2		2.0	
						6.0	0.1	17	26.4		7.8		28.7		60.7		4.2		14.6		4		80				<0.2			1.8	
IM6	Cloudy	Moderate	15:05	6.9	Surface	1.0	0.4	353	29.4	29.4	8.1	8.1	14.3	14.3	99.4	99.4	7.0	6.8	10.6	12.1	5	6	76	78	821032	805798	<0.2	<0.2	<0.2	1.7	1.8
						1.0	0.4	325	29.4		8.1		14.3		99.3		7.0		10.6		6		76				<0.2			1.7	
					Middle	3.5	0.3	359	29.4	29.4	8.1	8.1	14.5	14.5	91.7	91.6	6.5		11.7		5		78				<0.2	<0.2		1.8	
						3.5	0.4	330	29.4		8.1		14.5		91.4		6.5		11.7		7		78				<0.2			1.8	
					Bottom	5.9	0.4	328	27.6	27.6	7.9	7.9	22.4	22.4	73.8	74.1	5.1	5.2	13.8		6		80				<0.2	<0.2		1.9	
						5.9	0.4	341	27.6		7.9		22.4		74.4		5.2		13.9		5		81				<0.2			1.7	
IM7	Cloudy	Moderate	15:12	8.5	Surface	1.0	0.2	7	29.7	29.7	8.1	8.1	12.1	12.1	108.0	108.0	7.7	7.6	9.9	10.2	6	5	76	78	821359	806861	<0.2	<0.2	<0.2	1.7	1.7
						1.0	0.2	7	29.7		8.1		12.1		108.0		7.7		9.9		5		77				<0.2			1.7	
					Middle	4.3	0.2	21	29.7	29.7	8.1	8.1	12.7	12.7	104.4	104.4	7.4		10.2		6		79				<0.2	<0.2		1.8	
						4.3	0.2	22	29.7		8.1		12.7		104.3		7.4		10.2		5		78				<0.2			1.7	
					Bottom	7.5	0.0	136	29.3	29.3	8.1	8.0	13.0	13.0	94.0	94.0	6.7	6.7	10.5		5		80				<0.2	<0.2		1.6	
						7.5	0.0	136	29.3		8.0		13.1		94.0		6.7		10.5		5		80				<0.2			1.7	
IM8	Cloudy	Moderate	14:28	8.0	Surface	1.0	0.1	277	29.6	29.6	8.1	8.1	10.0	10.0	92.4	92.4	6.7	6.0	8.1	8.4	4	4	78	80	821845	808148	<0.2	<0.2	<0.2	1.6	1.6
						1.0	0.1	288	29.6		8.1		10.0		92.4		6.7		8.1		5		78				<0.2			1.6	
					Middle	4.0	0.1	81	28.7	28.7	7.9	7.9	17.1	17.1	73.9	73.9	5.2		7.8		4		80				<0.2	<0.2		1.6	
						4.0	0.1	87	28.7		7.9		17.1		73.9		5.2		7.8		3		81				<0.2			1.8	
					Bottom	7.0	0.1	37	27.5	27.5	7.9	7.9	22.9	22.9	56.5	56.5	3.9	3.9	9.3		4		82				<0.2	<0.2		1.6	
						7.0	0.1	40	27.5		7.9		22.9		56.5		3.9		9.3		4		82				<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 07 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
IM9	Cloudy	Moderate	14:19	7.5	Surface	1.0	0.1	259	29.6	29.6	8.1	8.1	10.2	10.2	93.1	93.1	6.7	6.0	8.5	12.1	3	4	78	81	822075	808800	<0.2	<0.2	<0.2	1.6	1.6
						1.0	0.1	269	29.6		8.1		10.2		93.1		6.7		8.5		3		78				<0.2			1.6	
					Middle	3.8	0.0	42	28.8	28.8	8.0	8.0	15.7	15.7	74.0	74.0	5.2		10.8		3		81				<0.2	<0.2		1.6	
						3.8	0.0	45	28.8		8.0		15.7		74.0		5.2		10.8		4		81				<0.2			1.7	
					Bottom	6.5	0.2	90	27.6	27.6	7.9	7.9	22.1	22.1	68.4	68.4	4.8	4.8	16.9		4		82				<0.2	<0.2		1.6	
						6.5	0.2	97	27.6		7.9		22.1		68.4		4.8		16.9		4		83				<0.2			1.7	
IM10	Cloudy	Moderate	14:11	8.1	Surface	1.0	0.1	159	29.8	29.8	8.1	8.1	10.0	10.0	98.2	98.2	7.1	6.3	8.2	10.2	3	4	79	80	822384	809817	<0.2	<0.2	<0.2	1.7	2.2
						1.0	0.1	168	29.8		8.1		10.0		98.2		7.1		8.2		4		79				<0.2			1.6	
					Middle	4.1	0.1	351	29.3	29.3	8.0	8.0	13.0	13.0	77.6	77.6	5.5		9.5		4		80				<0.2	<0.2		1.6	
						4.1	0.1	323	29.3		8.0		13.0		77.6		5.5		9.5		3		80				<0.2			5.0	
					Bottom	7.1	0.3	322	27.8	27.8	7.9	7.9	20.8	20.8	66.8	66.8	4.7	4.7	12.9		4		82				<0.2	<0.2		1.5	
						7.1	0.3	351	27.8		7.9		20.8		66.8		4.7		12.9		4		82				<0.2			1.6	
IM11	Cloudy	Moderate	14:00	8.1	Surface	1.0	0.1	318	29.6	29.6	8.1	8.1	11.9	11.9	94.0	94.0	6.7	6.1	8.0	12.2	2	3	79	81	822031	811485	<0.2	<0.2	<0.2	1.8	1.7
						1.0	0.1	339	29.6		8.1		11.9		94.0		6.7		8.0		3		79				<0.2			1.7	
					Middle	4.1	0.4	282	28.9	28.9	8.0	8.0	16.0	16.0	76.3	76.3	5.4		10.3		3		80				<0.2	<0.2		1.6	
						4.1	0.4	294	28.9		8.0		16.0		76.3		5.4		10.3		2		81				<0.2			1.7	
					Bottom	7.1	0.2	336	27.4	27.4	7.9	7.9	22.7	22.7	69.2	69.2	4.8	4.8	18.3		2		82				<0.2	<0.2		1.8	
						7.1	0.3	353	27.4		7.9		22.7		69.2		4.8		18.3		3		82				<0.2			1.6	
IM12	Cloudy	Moderate	13:51	8.2	Surface	1.0	0.2	252	29.7	29.7	8.2	8.2	12.0	12.0	95.1	95.1	6.8	6.3	7.4	8.5	2	2	78	80	821440	812029	<0.2	<0.2	<0.2	1.6	1.7
						1.0	0.2	264	29.7		8.2		12.0		95.1		6.8		7.4		2		79				<0.2			1.6	
					Middle	4.1	0.5	285	28.7	28.7	8.0	8.0	17.9	17.9	80.6	80.6	5.7		7.7		2		80				<0.2	<0.2		1.6	
						4.1	0.6	298	28.7		8.0		17.9		80.6		5.7		7.7		3		80				<0.2			1.7	
					Bottom	7.2	0.2	302	27.3	27.3	7.9	7.9	22.9	22.9	77.1	77.1	5.4	5.4	10.5		3		82				<0.2	<0.2		1.7	
						7.2	0.2	323	27.3		7.9		22.9		77.1		5.4		10.5		2		82				<0.2			1.7	
SR2	Cloudy	Calm	13:26	4.8	Surface	1.0	0.3	174	29.6	29.6	8.1	8.1	12.7	12.7	95.2	95.2	6.8	6.8	8.9	10.3	3	3	78	79	821472	814168	<0.2	<0.2	<0.2	1.7	1.8
						1.0	0.3	181	29.6		8.1		12.7		95.2		6.8		8.9		3		78				<0.2			1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.8	0.1	157	28.9	28.9	8.0	8.0	16.0	16.0	85.9	85.9	6.1	6.1	11.7		3		80				<0.2	<0.2		1.7	
						3.8	0.1	163	28.9		8.0		16.0		85.9		6.1		11.7		4		80				<0.2			1.7	
SR3	Cloudy	Moderate	14:34	9.1	Surface	1.0	0.2	263	29.6	29.6	8.0	8.0	10.4	10.4	91.4	91.3	6.6	6.0	8.0	8.0	3	3	-	-	822130	807550	-	-	-	-	-
						1.0	0.2	284	29.6		8.0		10.4		91.1		6.6		8.0		3		-				-			-	
					Middle	4.6	0.1	78	28.9	28.9	7.9	7.9	15.1	15.1	76.6	76.6	5.4		7.7		4		-				-	-		-	
						4.6	0.1	82	28.9		7.9		15.1		76.6		5.4		7.7		3		-				-			-	
					Bottom	8.1	0.1	306	27.7	27.7	7.9	7.9	21.8	21.8	69.5	69.5	4.8	4.8	8.2		4		-				-	-		-	
						8.1	0.1	309	27.7		7.9		21.8		69.5		4.8		8.2		3		-				-			-	
SR4A	Cloudy	Calm	13:42	8.2	Surface	1.0	0.1	95	29.8	29.8	8.1	8.1	13.9	13.9	109.9	109.8	7.7	6.4	10.0	12.4	3	4	-	-	817196	807793	-	-	-	-	-
						1.0	0.1	97	29.8		8.1		13.9		109.7		7.7		10.0		3		-				-			-	
					Middle	4.1	0.2	251	29.5	29.5	8.0	8.0	16.9	16.9	74.7	74.3	5.2		12.6		4		-				-	-		-	
						4.1	0.2	273	29.5		8.0		16.9		73.9		5.1		12.7		5		-				-			-	
					Bottom	7.2	0.3	257	26.8	26.8	7.8	7.8	27.2	27.2	69.9	70.5	4.8	4.9	14.7		5		-				-	-		-	
						7.2	0.3	279	26.8		7.8		27.2		71.0		4.9		14.6		4		-				-			-	
SR5A	Cloudy	Calm	13:26	5.4	Surface	1.0	0.2	287	29.6	29.6	8.0	8.0	17.3	17.3	101.3	101.3	7.0	7.0	10.3	10.7	3	4	-	-	816575	810711	-	-	-	-	-
						1.0	0.2	298	29.6		8.0		17.3		101.2		7.0		10.3		3		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.4	0.2	311	29.2	29.2	8.0	8.0	18.7	18.7	95.1	95.3	6.6	6.6	11.1		4		-				-	-		-	
						4.4	0.2	316	29.2		8.0		18.7		95.5		6.6		11.1		4		-				-			-	
SR6	Cloudy	Calm	13:01	4.3	Surface	1.0	0.1	254	29.7	29.7	8.0	8.0	14.4	14.4	100.9	100.8	7.1	7.1	10.3	11.9	4	3	-	-	817880	814662	-	-	-	-	-
						1.0	0.1	268	29.7		8.0		14.5		100.7		7.1		10.4		3		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.3	0.0	254	29.1	29.1	7.9	7.9	17.5	17.5	88.1	88.3	6.1	6.2	13.4		3		-				-	-		-	
						3.3	0.0	271	29.2		7.9		17.5		88.4		6.2		13.5		3		-				-			-	
SR7	Cloudy	Calm	12:21	19.2	Surface	1.0	0.1	244	29.6	29.6	8.1	8.1	13.8	13.8	98.2	98.2	6.9	5.2	6.9	7.0	2	3	-	-	823635	823745	-	-	-	-	-
						1.0	0.1	251	29.6		8.1		13.8		98.2		6.9		6.9		2		-				-			-	
					Middle	9.6	0.1	158	25.9	25.9	8.0	8.0	28.1	28.1	49.6	49.6	3.4		7.2		3		-				-	-		-	
						9.6	0.1	166	25.9		8.0		28.1		49.6		3.4		7.2		4		-				-			-	
					Bottom	18.2	0.2	71	25.0	25.0	7.9	7.9	30.3	30.3	51.2	51.2	3.6	3.6	6.9		2		-				-	-		-	
						18.2	0.2	72	25.0		7.9		30.3		51.2		3.6		6.9		4		-				-			-	
SR8	Cloudy	Calm	13:40	5.0	Surface	1.0	-	-	29.6	29.6	8.1	8.1	13.4	13.4	96.4	96.4	6.8	6.8	7.6	7.5	3	3	-	-	820246	811418	-	-	-	-	-
						1.0	-	-	29.6		8.1		13.4		96.4		6.8		7.6		4		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.0	-	-	29.1	29.1	8.0	8.0	17.3	17.3	97.5	97.5	6.8	6.8	7.4		4		-				-	-		-	
						4.0	-	-	29.1		8.0		17.3		97.5		6.8		7.4		2		-				-			-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
C1	Cloudy	Moderate	10:55	9.2	Surface	1.0	0.7	234	28.4	28.4	8.2	8.2	18.3	18.3	106.2	106.1	7.5	6.8	5.7	7.1	5	6	78	80	815603	804273	<0.2	<0.2	2.1	1.6
						1.0	0.7	256	28.4		8.2		18.3		105.9		7.4		5.8		6		78				<0.2		2.0	
					Middle	4.6	0.7	232	27.8	27.8	8.2	8.2	22.0	22.0	89.6	89.4	6.2		6.4		7		80				<0.2		1.5	
						4.6	0.7	236	27.9		8.2		22.0		89.2		6.2		6.5		6		80				<0.2		1.4	
					Bottom	8.2	0.6	258	26.8	26.8	8.1	8.1	25.7	25.7	82.1	82.4	5.7	5.7	9.2		5		82				<0.2		1.4	
						8.2	0.6	270	26.8		8.1		25.8		82.6		5.7		9.2		6		83				<0.2		1.3	
C2	Fine	Moderate	12:02	13.2	Surface	1.0	0.2	182	28.1	28.1	8.2	8.2	20.1	20.1	104.6	104.6	7.3	5.8	8.6	11.7	5	6	80	83	825683	806945	<0.2	<0.2	1.4	1.3
						1.0	0.3	182	28.1		8.2		20.1		104.5		7.3		8.7		6		81				<0.2		1.6	
					Middle	6.6	0.1	171	27.2	27.2	8.0	8.0	24.2	24.2	61.2	61.2	4.3		11.3		6		83				<0.2		1.2	
						6.6	0.1	187	27.2		8.0		24.2		61.2		4.3		11.3		5		83				<0.2		1.5	
					Bottom	12.2	0.2	143	27.1	27.1	8.0	8.0	24.5	24.5	59.2	59.2	4.1	4.1	15.1		6		84				<0.2		1.1	
						12.2	0.2	157	27.1		8.0		24.5		59.2		4.1		15.2		5		85				<0.2		1.2	
C3	Cloudy	Moderate	09:44	12.1	Surface	1.0	0.1	112	28.6	28.6	8.3	8.3	19.8	19.8	119.6	119.5	8.3	8.1	10.9	10.2	7	7	78	81	822109	817802	<0.2	<0.2	1.1	1.2
						1.0	0.1	118	28.6		8.3		19.8		119.4		8.3		10.9		6		79				<0.2		1.3	
					Middle	6.1	0.2	343	28.6	28.6	8.3	8.3	20.0	20.0	112.3	112.2	7.8		10.8		7		80				<0.2		1.6	
						6.1	0.2	316	28.6		8.3		20.0		112.0		7.8		10.8		7		81				<0.2		0.9	
					Bottom	11.1	0.2	132	28.4	28.4	8.2	8.2	20.8	20.8	111.1	111.1	7.7	7.7	8.9		7		83				<0.2		1.1	
						11.1	0.2	144	28.4		8.2		20.8		111.1		7.7		8.6		6		82				<0.2		1.2	
IM1	Cloudy	Moderate	11:21	4.8	Surface	1.0	0.1	327	27.6	27.6	8.2	8.1	22.2	22.3	82.7	82.1	5.8	5.8	8.9	9.6	3	4	78	79	817960	807122	<0.2	<0.2	1.3	1.5
						1.0	0.1	340	27.5		8.1		22.4		81.4		5.7		9.0		4		78				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	206	27.1	27.1	8.1	8.1	24.2	24.2	83.4	83.7	5.8	5.8	10.2		5		80				<0.2		1.7	
						3.8	0.1	215	27.1		8.1		24.2		83.9		5.8		10.2		4		81				<0.2		1.4	
IM2	Cloudy	Moderate	11:27	7.2	Surface	1.0	0.8	213	28.3	28.3	8.2	8.2	18.9	18.9	90.1	89.7	6.3	5.6	9.4	13.7	7	7	79	81	818170	806162	<0.2	<0.2	1.2	1.4
						1.0	0.8	230	28.3		8.2		18.9		89.3		6.3		9.4		6		79				<0.2		1.2	
					Middle	3.6	0.7	212	27.2	27.2	8.0	8.0	23.5	23.5	68.4	68.4	4.8		14.2		6		80				<0.2		1.6	
						3.6	0.7	226	27.2		8.0		23.5		68.4		4.8		14.1		6		81				<0.2		1.6	
					Bottom	6.2	0.3	222	26.9	26.9	8.0	8.0	24.7	24.7	69.4	69.6	4.8	4.9	17.7		8		82				<0.2		1.4	
						6.2	0.3	231	26.9		8.0		24.7		69.8		4.9		17.6		7		82				<0.2		1.3	
IM3	Cloudy	Moderate	11:35	7.6	Surface	1.0	0.4	180	28.6	28.6	8.3	8.3	17.5	17.5	107.1	106.9	7.5	6.8	7.5	14.1	5	6	78	80	818755	805568	<0.2	<0.2	1.6	1.3
						1.0	0.4	195	28.6		8.3		17.5		106.6		7.5		7.6		6		79				<0.2		1.4	
					Middle	3.8	0.5	176	27.9	27.9	8.2	8.2	20.3	20.3	85.8	85.8	6.0		11.7		5		80				<0.2		1.1	
						3.8	0.5	176	27.9		8.2		20.3		85.8		6.0		11.7		5		80				<0.2		1.2	
					Bottom	6.6	0.3	193	27.0	27.0	8.0	8.0	24.5	24.5	81.0	81.4	5.6	5.7	23.0		6		82				<0.2		1.2	
						6.6	0.3	202	27.0		8.0		24.5		81.7		5.7		23.2		6		83				<0.2		1.0	
IM4	Cloudy	Moderate	11:45	7.5	Surface	1.0	0.7	169	28.7	28.7	8.3	8.3	16.8	16.8	103.3	103.1	7.3	6.5	8.2	11.1	6	6	78	80	819710	804619	<0.2	<0.2	1.3	1.5
						1.0	0.7	181	28.7		8.3		16.8		102.8		7.2		8.3		6		79				<0.2		1.3	
					Middle	3.8	0.6	178	27.9	27.9	8.1	8.1	21.4	21.4	81.2	81.1	5.7		11.3		7		80				<0.2		1.2	
						3.8	0.6	183	27.9		8.1		21.4		80.9		5.6		11.3		6		80				<0.2		1.4	
					Bottom	6.5	0.3	190	27.1	27.1	8.0	8.0	24.5	24.5	74.7	74.7	5.2	5.2	13.8		6		81				<0.2		1.8	
						6.5	0.3	199	27.1		8.0		24.5		74.7		5.2		13.8		7		82				<0.2		2.0	
IM5	Fine	Moderate	11:56	6.7	Surface	1.0	0.8	205	28.7	28.7	8.3	8.3	17.0	17.0	88.2	87.7	6.2	5.4	9.6	21.5	6	6	79	81	820709	804868	<0.2	<0.2	1.4	1.6
						1.0	0.9	219	28.7		8.3		17.0		87.1		6.1		9.7		7		79				<0.2		1.4	
					Middle	3.4	0.7	211	27.3	27.3	8.0	8.0	23.4	23.4	67.9	67.9	4.7		17.0		7		80				<0.2		1.8	
						3.4	0.7	214	27.3		8.0		23.4		67.9		4.7		17.3		5		81				<0.2		1.7	
					Bottom	5.7	0.5	211	27.2	27.2	8.0	8.0	24.0	24.0	67.1	67.2	4.7	4.7	37.7		6		82				<0.2		1.7	
						5.7	0.5	219	27.2		8.0		24.0		67.2		4.7		37.8		5		82				<0.2		1.6	
IM6	Fine	Moderate	12:04	6.6	Surface	1.0	0.5	214	28.8	28.8	8.3	8.3	18.1	18.1	119.9	119.8	8.4	7.2	7.0	13.3	7	7	79	81	821084	805852	<0.2	<0.2	1.5	1.5
						1.0	0.5	231	28.8		8.3		18.1		119.6		8.4		7.0		6		80				<0.2		1.5	
					Middle	3.3	0.5	204	27.8	27.8	8.2	8.2	20.1	20.1	84.6	84.5	5.9		12.3		6		81				<0.2		1.5	
						3.3	0.5	205	27.8		8.2		20.1		84.4		5.9		12.6		7		81				<0.2		1.4	
					Bottom	5.6	0.5	221	27.4	27.4	8.1	8.1	23.4	23.4	92.6	93.0	6.4	6.5	20.5		8		82				<0.2		1.6	
						5.6	0.5	231	27.4		8.1		23.4		93.3		6.5		20.5		8		82				<0.2		1.6	
IM7	Fine	Moderate	12:15	7.3	Surface	1.0	0.6	215	28.2	28.2	8.2	8.2	19.5	19.5	97.0	96.8	6.8	5.9	7.3	9.4	6	7	80	81	821374	806824	<0.2	<0.2	1.1	1.4
						1.0	0.6	217	28.2		8.2		19.5		96.5		6.8		7.4		6		80				<0.2		1.3	
					Middle	3.7	0.7	221	27.4	27.4	8.0	8.0	22.7	22.7	69.8	69.8	4.9		8.8		7		80				<0.2		1.6	
						3.7	0.7	231	27.4		8.0		22.7		69.8		4.9		8.8		7		80				<0.2		1.5	
					Bottom	6.3	0.6	214	27.1	27.1	8.0	8.0	24.0	24.0	63.2	63.5	4.4	4.4	11.9		8		82				<0.2		1.9	
						6.3	0.6	217	27.1		8.0		24.1		63.7		4.4		12.1		8		82				<0.2		1.2	
IM8	Fine	Moderate	11:21	7.9	Surface	1.0	0.1	154	28.7	28.7	8.3	8.3	17.2	17.2	100.3	100.3	7.1	5.9	8.2	12.6	7	6	80	82	821851	808139	<0.2	<0.2	1.4	1.5
						1.0	0.1	164	28.7		8.3		17.2		100.3		7.1		8.2		6		80				<0.2		1.3	
					Middle	4.0	0.2	162	27.3	27.3	8.0	8.0	23.9	23.9	66.6	66.6	4.6		12.4		6		83				<0.2		1.4	
						4.0	0.2	176	27.3		8.0		23.9		66.6		4.6		12.4		6		83				<0.2		1.2	
					Bottom	6.9	0.2	186	27.1	27.1	8.0	8.0	24.4	24.4	70.4	70.4	4.9	4.9	17.2		6		84				<0.2		1.8	
						6.9	0.2	200	27.1		8.0		24.4		70.4		4.9		17.2		7		84				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Fine	Moderate	11:12	7.4	Surface	1.0	0.3	132	28.8	28.8	8.2	8.2	17.0	17.0	101.6	101.6	7.1	6.1	9.6	12.7	8	7	80	81	822083	808784	<0.2	<0.2	1.7	1.5
						1.0	0.3	135	28.8		8.2		17.0		101.6		7.1		9.6		8		80				<0.2		1.8	
					Middle	3.7	0.1	86	27.6	27.6	8.1	8.1	22.1	22.1	72.6	72.6	5.1		14.0		8		82				<0.2		1.5	
						3.7	0.1	87	27.6		8.1		22.1		72.6		5.1		14.0		7		80				<0.2		1.3	
					Bottom	6.4	0.2	160	27.1	27.1	8.0	8.0	24.9	24.9	67.1	67.1	4.7	4.7	14.6		7		83				<0.2		1.5	
						6.4	0.2	173	27.1		8.0		24.9		67.1		4.7		14.6		6		83				<0.2		1.3	
IM10	Cloudy	Moderate	11:03	7.8	Surface	1.0	0.3	133	28.6	28.6	8.2	8.2	17.9	17.9	100.7	100.7	7.1	6.1	10.0	17.5	10	10	80	81	822393	809793	<0.2	<0.2	1.2	1.5
						1.0	0.3	143	28.6		8.2		17.9		100.7		7.1		10.0		10		80				<0.2		1.5	
					Middle	3.9	0.3	115	27.6	27.6	8.1	8.1	22.0	22.0	73.4	73.4	5.1		16.8		9		81				<0.2		1.7	
						3.9	0.3	116	27.6		8.1		22.0		73.4		5.1		16.8		10		81				<0.2		1.8	
					Bottom	6.8	0.2	126	27.0	27.0	8.0	8.0	24.9	24.9	70.3	70.3	4.9	4.9	25.7		11		82				<0.2		1.3	
						6.8	0.2	132	27.0		8.0		24.9		70.3		4.9		25.7		12		82				<0.2		1.5	
IM11	Cloudy	Moderate	10:51	8.2	Surface	1.0	0.4	117	28.4	28.4	8.2	8.2	19.1	19.1	93.0	93.0	6.5	5.6	9.6	13.9	11	12	79	81	822083	811488	<0.2	<0.2	1.4	1.4
						1.0	0.4	120	28.4		8.2		19.1		93.0		6.5		9.6		12		79				<0.2		1.5	
					Middle	4.1	0.2	89	27.2	27.2	8.0	8.0	23.7	23.7	66.0	66.0	4.6		14.1		12		81				<0.2		1.3	
						4.1	0.2	93	27.2		8.0		23.7		66.0		4.6		14.1		12		81				<0.2		1.3	
					Bottom	7.2	0.2	162	26.8	26.8	8.0	8.0	25.8	25.8	63.6	63.6	4.4	4.4	17.9		13		82				<0.2		1.4	
						7.2	0.2	163	26.8		8.0		25.8		63.6		4.4		17.9		12		83				<0.2		1.6	
IM12	Cloudy	Moderate	10:44	8.1	Surface	1.0	0.3	96	28.4	28.4	8.2	8.2	18.5	18.5	102.2	102.2	7.2	6.4	8.3	10.7	11	11	78	81	821444	812046	<0.2	<0.2	1.6	1.5
						1.0	0.3	100	28.4		8.2		18.5		102.2		7.2		8.3		10		79				<0.2		1.2	
					Middle	4.1	0.3	116	27.8	27.8	8.1	8.1	20.9	20.9	78.4	78.4	5.5		10.5		10		80				<0.2		1.6	
						4.1	0.3	116	27.8		8.1		20.9		78.4		5.5		10.5		10		80				<0.2		1.6	
					Bottom	7.1	0.1	137	26.8	26.8	8.0	8.0	26.1	26.1	71.9	71.9	5.0	5.0	13.4		11		83				<0.2		1.4	
						7.1	0.1	145	26.8		8.0		26.1		71.9		5.0		13.4		11		83				<0.2		1.6	
SR2	Cloudy	Moderate	10:11	4.6	Surface	1.0	0.2	77	27.8	27.8	8.1	8.1	20.8	20.8	81.3	81.2	5.7	5.7	11.7	12.7	8	7	79	79	821462	814159	<0.2	<0.2	1.6	1.5
						1.0	0.3	79	27.8		8.1		20.8		81.0		5.7		11.7		7		78				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	82	27.1	27.1	8.0	8.0	24.6	24.6	73.8	73.9	5.1	5.1	13.6		7		80				<0.2		1.6	
						3.6	0.3	86	27.1		8.0		24.6		74.0		5.1		13.7		7		80				<0.2		1.4	
SR3	Fine	Moderate	11:28	9.0	Surface	1.0	0.2	190	28.8	28.8	8.3	8.3	18.4	18.4	103.9	103.9	7.3	6.4	10.0	15.2	4	5	-	-	822120	807598	-	-	-	-
						1.0	0.2	205	28.8		8.3		18.4		103.9		7.3		10.0		5		-				-		-	
					Middle	4.5	0.3	182	27.5	27.5	8.1	8.1	22.9	22.9	77.5	77.5	5.4		15.1		4		-				-		-	
						4.5	0.3	194	27.5		8.1		22.9		77.5		5.4		15.1		6		-				-		-	
					Bottom	8.0	0.2	227	27.4	27.4	8.1	8.1	23.8	23.8	77.4	77.4	5.4	5.4	20.6		5		-				-		-	
						8.0	0.2	242	27.4		8.1		23.8		77.4		5.4		20.6		7		-				-		-	
SR4A	Cloudy	Calm	10:35	8.4	Surface	1.0	0.1	5	27.8	27.8	8.1	8.1	20.8	20.8	80.5	80.3	5.6	5.2	10.4	14.9	6	7	-	-	817182	807818	-	-	-	-
						1.0	0.1	5	27.8		8.1		20.8		80.1		5.6		10.5		6		-				-		-	
					Middle	4.2	0.2	51	27.0	27.0	8.0	8.0	25.0	25.0	67.1	67.4	4.7		15.7		8		-				-		-	
						4.2	0.3	56	27.0		8.0		25.0		67.6		4.7		15.9		7		-				-		-	
					Bottom	7.4	0.2	75	26.9	26.9	8.0	8.0	25.5	25.5	76.7	77.0	5.3	5.4	18.3		7		-				-		-	
						7.4	0.2	82	26.9		8.0		25.5		77.2		5.4		18.3		6		-				-		-	
SR5A	Cloudy	Calm	10:18	3.8	Surface	1.0	0.1	28	28.6	28.6	8.3	8.3	19.9	19.9	116.3	116.2	8.1	8.1	10.5	11.8	5	6	-	-	816574	810689	-	-	-	-
						1.0	0.1	29	28.6		8.3		19.9		116.1		8.1		10.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	35	28.5	28.5	8.3	8.3	20.3	20.3	114.7	114.9	8.0	8.0	13.0		5		-				-		-	
						2.8	0.0	36	28.5		8.3		20.3		115.0		8.0		13.1		6		-				-		-	
SR6	Cloudy	Calm	09:47	4.6	Surface	1.0	0.1	64	28.2	28.2	8.2	8.2	21.7	21.7	105.9	105.6	7.3	7.3	9.4	13.2	6	7	-	-	817927	814663	-	-	-	-
						1.0	0.1	66	28.2		8.2		21.7		105.3		7.3		9.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	93	27.1	27.1	7.9	7.9	24.6	24.6	72.1	72.3	5.0	5.0	17.0		7		-				-		-	
						3.6	0.0	94	27.1		7.9		24.6		72.4		5.0		16.9		7		-				-		-	
SR7	Cloudy	Calm	09:00	19.1	Surface	1.0	0.3	113	28.2	28.2	8.2	8.2	21.7	21.7	117.3	117.2	8.1	6.9	5.4	7.4	6	8	-	-	823610	823733	-	-	-	-
						1.0	0.3	114	28.2		8.2		21.7		117.1		8.1		5.4		6		-				-		-	
					Middle	9.6	0.2	142	27.4	27.4	8.0	8.0	23.8	23.8	80.3	80.2	5.6		7.6		9		-				-		-	
						9.6	0.3	149	27.4		8.0		23.8		80.1		5.6		7.7		7		-				-		-	
					Bottom	18.1	0.1	41	27.1	27.1	7.9	7.9	24.7	24.7	67.9	68.1	4.7	4.7	9.1		10		-				-		-	
						18.1	0.1	43	27.1		7.9		24.7		68.3		4.7		9.3		11		-				-		-	
SR8	Cloudy	Calm	10:22	4.7	Surface	1.0	-	-	27.7	27.7	8.1	8.1	21.3	21.3	77.2	77.1	5.4	5.4	11.6	12.5	5	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	27.7		8.1		21.3		76.9		5.4		11.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	27.0	27.0	8.0	8.0	24.9	24.9	74.5	74.7	5.2	5.2	13.4		4		-				-		-	
						3.7	-	-	27.1		8.0		24.9		74.9		5.2		13.3		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Sunny	Moderate	16:49	8.4	Surface	1.0	0.2	43	29.1	29.1	8.6	8.6	19.6	19.6	148.5	148.1	10.2	8.5	8.6	16.5	9	10	80	82	815631	804256	<0.2	<0.2	1.3	1.4
						1.0	0.2	47	29.1		8.6		19.6		147.7		10.2		8.6		9		80				<0.2		1.4	
					Middle	4.2	0.2	50	28.0	28.0	8.3	8.3	21.5	21.5	97.3	97.1	6.8		14.1		9		83				<0.2		1.5	
						4.2	0.3	54	28.0		8.3		21.5		96.9		6.7		14.4		11		83				<0.2		1.3	
					Bottom	7.4	0.4	53	27.1	27.1	8.1	8.1	24.1	24.1	84.1	84.5	5.8	5.9	26.6		11		83				<0.2		1.3	
						7.4	0.4	56	27.1		8.1		24.1		84.8		5.9		26.6		10		83				<0.2		1.5	
C2	Sunny	Moderate	15:46	11.5	Surface	1.0	0.1	90	28.4	28.4	8.0	8.0	17.9	17.9	91.6	91.6	6.4	6.3	10.6	14.1	5	6	78	80	825706	806948	<0.2	<0.2	1.2	1.3
						1.0	0.1	92	28.4		8.0		17.9		91.6		6.4		10.6		5		78				<0.2		1.2	
					Middle	5.8	0.1	336	28.0	28.0	8.0	8.0	19.7	19.7	87.7	87.7	6.2		14.3		7		80				<0.2		1.3	
						5.8	0.1	341	28.0		8.0		19.7		87.7		6.2		14.3		7		80				<0.2		1.2	
					Bottom	10.5	0.1	353	27.9	27.9	8.0	8.0	20.1	20.1	86.9	86.9	6.1	6.1	17.5		7		82				<0.2		1.4	
						10.5	0.1	325	27.9		8.0		20.1		86.9		6.1		17.5		7		83				<0.2		1.2	
C3	Fine	Moderate	17:40	12.0	Surface	1.0	0.3	242	29.1	29.1	8.2	8.2	21.6	21.6	120.1	119.7	8.2	7.4	17.3	22.3	11	11	80	83	822125	817829	<0.2	<0.2	1.3	1.4
						1.0	0.3	264	29.1		8.2		21.6		119.3		8.1		17.4		10		80				<0.2		1.3	
					Middle	6.0	0.2	249	28.5	28.5	8.2	8.2	22.1	22.1	98.2	98.2	6.7		21.2		11		83				<0.2		1.4	
						6.0	0.2	269	28.5		8.2		22.1		98.2		6.7		21.2		10		83				<0.2		1.2	
					Bottom	11.0	0.2	272	27.8	27.8	8.1	8.1	23.2	23.2	93.4	93.4	6.5	6.5	28.4		11		85				<0.2		1.4	
						11.0	0.2	294	27.8		8.1		23.2		93.4		6.5		28.4		12		85				<0.2		1.5	
IM1	Sunny	Moderate	16:30	5.2	Surface	1.0	0.3	48	28.8	28.8	8.3	8.3	21.2	21.2	107.6	107.3	7.4	7.4	10.4	12.6	10	10	77	78	817948	807146	<0.2	<0.2	1.2	1.6
						1.0	0.4	50	28.8		8.3		21.2		107.0		7.4		10.5		10		77				<0.2		1.5	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	348	27.6	27.5	8.1	8.1	22.3	22.3	85.0	85.0	5.9	5.9	14.9		9		78				<0.2		1.8	
						4.2	0.1	354	27.5		8.1		22.4		85.0		5.9		14.7		10		78				<0.2		2.0	
IM2	Sunny	Rough	16:22	6.6	Surface	1.0	0.2	41	28.7	28.7	8.4	8.4	20.3	20.3	127.0	126.9	8.8	8.3	13.2	17.1	10	11	79	81	818141	806144	<0.2	<0.2	1.4	1.5
						1.0	0.2	42	28.7		8.4		20.3		126.7		8.8		13.2		10		79				<0.2		1.3	
					Middle	3.3	0.3	0	28.1	28.1	8.3	8.3	22.2	22.2	111.0	110.9	7.7		13.8		11		80				<0.2		1.3	
						3.3	0.3	0	28.1		8.3		22.2		110.8		7.7		13.7		11		81				<0.2		1.8	
					Bottom	5.6	0.1	315	27.8	27.8	8.2	8.2	22.5	22.5	100.2	100.2	6.9	6.9	24.2		12		82				<0.2		1.6	
						5.6	0.2	322	27.8		8.2		22.5		100.2		6.9		24.3		10		82				<0.2		1.8	
IM3	Sunny	Moderate	16:15	7.6	Surface	1.0	0.3	66	28.6	28.6	8.4	8.4	19.8	19.8	120.5	120.2	8.4	7.0	14.2	16.5	8	9	77	80	818804	805576	<0.2	<0.2	1.3	1.4
						1.0	0.4	71	28.6		8.4		19.8		119.9		8.3		14.2		7		78				<0.2		1.6	
					Middle	3.8	0.3	49	27.6	27.6	8.1	8.1	22.5	22.5	79.9	79.9	5.6		13.1		10		80				<0.2		1.4	
						3.8	0.3	51	27.6		8.1		22.5		79.8		5.6		13.2		9		80				<0.2		1.4	
					Bottom	6.6	0.3	312	27.2	27.2	8.1	8.1	24.1	24.1	74.0	74.1	5.1	5.2	22.2		10		82				<0.2		1.5	
						6.6	0.3	321	27.2		8.1		24.1		74.2		5.2		21.9		9		83				<0.2		1.3	
IM4	Sunny	Moderate	16:07	7.0	Surface	1.0	0.2	86	28.6	28.6	8.2	8.2	19.0	19.0	115.5	115.5	8.1	7.6	14.8	15.6	7	8	80	82	819698	804618	<0.2	<0.2	1.8	1.6
						1.0	0.3	86	28.6		8.3		19.0		115.4		8.0		14.7		8		80				<0.2		1.7	
					Middle	3.5	0.1	241	28.2	28.2	8.2	8.2	20.5	20.5	101.9	101.8	7.1		15.7		10		82				<0.2		1.6	
						3.5	0.1	245	28.2		8.2		20.5		101.7		7.1		15.7		8		82				<0.2		1.6	
					Bottom	6.0	0.2	332	27.9	27.9	8.1	8.1	21.4	21.4	95.9	96.1	6.7	6.7	16.3		8		83				<0.2		1.6	
						6.0	0.2	335	27.9		8.1		21.4		96.2		6.7		16.3		8		84				<0.2		1.4	
IM5	Sunny	Moderate	15:58	6.4	Surface	1.0	0.2	22	28.4	28.4	8.1	8.1	18.4	18.4	104.8	105.0	7.4	6.5	12.7	17.1	6	7	81	82	820731	804895	<0.2	<0.2	1.3	1.3
						1.0	0.2	23	28.4		8.1		18.4		105.2		7.4		12.8		5		81				<0.2		1.3	
					Middle	3.2	0.2	337	27.9	27.9	8.0	8.0	20.2	20.1	80.1	80.1	5.6		20.1		9		82				<0.2		1.4	
						3.2	0.2	358	27.9		8.0		20.1		80.0		5.6		20.1		7		82				<0.2		1.4	
					Bottom	5.4	0.1	13	27.6	27.6	8.0	8.0	21.9	21.9	79.3	79.4	5.5	5.6	18.6		9		83				<0.2		1.2	
						5.4	0.1	14	27.6		8.0		21.9		79.5		5.6		18.5		7		83				<0.2		1.3	
IM6	Sunny	Moderate	15:51	6.2	Surface	1.0	0.4	344	28.6	28.6	8.1	8.1	17.8	17.7	103.5	103.4	7.3	6.7	11.0	19.2	5	6	80	80	821069	805854	<0.2	<0.2	1.2	1.2
						1.0	0.4	316	28.6		8.1		17.7		103.3		7.3		11.0		6		80				<0.2		1.2	
					Middle	3.1	0.4	331	28.0	28.0	8.0	8.0	19.8	19.8	87.2	87.2	6.1		19.0		6		78				<0.2		1.2	
						3.1	0.4	356	28.0		8.0		19.8		87.2		6.1		19.0		6		78				<0.2		1.3	
					Bottom	5.2	0.4	318	28.0	28.0	8.0	8.0	19.9	19.9	89.7	89.8	6.3	6.3	27.3		7		82				<0.2		1.2	
						5.2	0.4	338	28.0		8.0		19.9		89.9		6.3		27.7		7		83				<0.2		1.3	
IM7	Sunny	Moderate	15:45	7.2	Surface	1.0	0.2	14	29.0	28.7	8.1	8.1	16.1	16.5	95.5	94.2	6.7	6.5	9.3	11.2	5	6	77	80	821349	806849	<0.2	<0.2	1.2	1.3
						1.0	0.2	14	28.5		8.1		16.8		92.9		6.6		9.6		4		77				<0.2		1.3	
					Middle	3.6	0.1	29	28.0	28.0	8.0	8.0	19.5	19.5	89.5	89.5	6.3		11.6		6		81				<0.2		1.3	
						3.6	0.2	31	28.0		8.0		19.5		89.5		6.3		11.6		6		81				<0.2		1.5	
					Bottom	6.2	0.0	146	28.0	28.0	8.0	8.0	19.6	19.6	89.9	90.0	6.3	6.3	12.5		6		82				<0.2		1.3	
						6.2	0.0	150	28.0		8.0		19.6		90.0		6.3		12.5		6		83				<0.2		1.3	
IM8	Sunny	Moderate	16:11	7.5	Surface	1.0	0.1	282	28.3	28.3	8.1	8.0	18.5	18.6	93.8	93.8	6.6	6.1	14.3	17.2	5	6	80	82	821811	808169	<0.2	<0.2	1.3	1.3
						1.0	0.1	308	28.3		8.0		18.6		93.7		6.6		14.4		6		80				<0.2		1.2	
					Middle	3.8	0.1	90	27.9	27.8	8.0	8.0	20.5	20.5	78.1	78.1	5.5		19.2		4		82				<0.2		1.2	
						3.8	0.1	93	27.8		8.0		20.5		78.1		5.5		19.2		5		83				<0.2		1.3	
					Bottom	6.5	0.1	43	27.5	27.5	7.9	7.9	22.2	22.3	80.7	81.0	5.6	5.7	18.0		6		84				<0.2		1.3	
						6.5	0.1	46	27.5		7.9		22.3		81.2		5.7		18.0		7		85				<0.2		1.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Sunny	Moderate	16:27	7.3	Surface	1.0	0.1	261	28.5	28.5	8.2	8.2	19.4	19.4	110.3	110.3	7.7	7.6	16.8	16.6	5	5	80	82	822075	808797	<0.2	<0.2	1.3	1.2
						1.0	0.1	270	28.5		8.2		19.4		110.3		7.7		16.8		3		81				<0.2		1.3	
					Middle	3.7	0.0	53	28.3	28.3	8.2	8.2	20.6	20.6	106.4	106.4	7.4		16.3		5		82				<0.2		1.2	
						3.7	0.0	53	28.3		8.2		20.6		106.3		7.4		16.4		5		83				<0.2		1.2	
					Bottom	6.3	0.2	86	28.0	28.0	8.1	8.1	21.2	21.2	97.7	97.7	6.8	6.8	16.6		6		84				<0.2		1.0	
						6.3	0.2	92	28.0		8.1		21.2		97.7		6.8		16.6		8		84				<0.2		1.3	
IM10	Sunny	Moderate	16:36	7.0	Surface	1.0	0.1	165	28.4	28.4	8.2	8.2	20.4	20.4	104.4	104.4	7.3	6.6	14.6	15.9	4	4	80	83	822372	809797	<0.2	<0.2	1.3	1.3
						1.0	0.1	175	28.4		8.2		20.4		104.4		7.3		14.6		5		81				<0.2		1.4	
					Middle	3.5	0.1	358	27.8	27.8	8.1	8.1	22.1	22.1	83.1	83.0	5.8		14.6		4		83				<0.2		1.1	
						3.5	0.1	339	27.8		8.1		22.1		82.8		5.8		14.7		4		83				<0.2		1.2	
					Bottom	6.0	0.3	335	27.4	27.4	8.1	8.1	23.3	23.3	77.8	77.8	5.4	5.4	18.4		3		84				<0.2		1.6	
						6.0	0.4	350	27.4		8.1		23.3		77.8		5.4		18.4		4		84				<0.2		1.4	
IM11	Sunny	Moderate	16:42	9.2	Surface	1.0	0.2	325	28.6	28.6	8.2	8.2	20.7	20.7	119.5	119.5	8.3	7.6	15.6	21.4	5	4	80	82	822068	811447	<0.2	<0.2	1.3	1.4
						1.0	0.2	345	28.6		8.2		20.7		119.5		8.3		15.6		4		80				<0.2		1.4	
					Middle	4.6	0.4	299	27.9	27.9	8.2	8.2	22.5	22.5	99.3	99.2	6.9		20.7		3		82				<0.2		1.4	
						4.6	0.4	325	27.9		8.2		22.5		99.1		6.9		20.8		4		83				<0.2		1.4	
					Bottom	8.2	0.2	326	27.7	27.7	8.1	8.1	23.0	23.0	94.3	94.3	6.5	6.5	27.8		4		84				<0.2		1.2	
						8.2	0.3	330	27.7		8.1		23.0		94.3		6.5		27.8		4		85				<0.2		1.4	
IM12	Sunny	Moderate	16:52	8.8	Surface	1.0	0.2	243	28.7	28.7	8.3	8.3	20.8	20.8	130.3	130.3	9.0	8.6	14.3	19.1	4	4	81	83	821482	812043	<0.2	<0.2	1.2	1.3
						1.0	0.3	244	28.7		8.3		20.8		130.3		9.0		14.3		5		81				<0.2		1.4	
					Middle	4.4	0.5	278	28.6	28.6	8.2	8.2	21.5	21.5	119.3	119.3	8.2		16.0		4		82				<0.2		1.3	
						4.4	0.6	299	28.6		8.2		21.5		119.3		8.2		16.0		4		83				<0.2		1.3	
					Bottom	7.8	0.2	313	27.7	27.7	8.1	8.1	23.0	23.0	99.9	99.9	6.9	6.9	27.1		4		84				<0.2		1.2	
						7.8	0.2	337	27.7		8.1		23.0		99.9		6.9		27.1		4		84				<0.2		1.3	
SR2	Sunny	Moderate	17:16	3.2	Surface	1.0	0.3	183	29.2	29.2	8.1	8.1	19.9	19.9	171.7	171.6	11.8	11.8	8.3	8.5	6	7	80	81	821441	814189	<0.2	<0.2	1.7	1.5
						1.0	0.3	186	29.2		8.1		19.9		171.5		11.8		8.4		6		80				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	155	28.8	28.8	8.1	8.1	20.2	20.2	162.5	162.5	11.2	11.2	8.6		7		82				<0.2		1.5	
						2.2	0.1	166	28.8		8.1		20.2		162.5		11.2		8.6		7		83				<0.2		1.5	
SR3	Sunny	Moderate	16:05	8.9	Surface	1.0	0.2	255	28.5	28.5	8.1	8.1	17.9	17.9	98.5	98.5	6.9	6.6	11.7	14.7	4	6	-	-	822145	807569	-	-	-	-
						1.0	0.2	266	28.5		8.1		17.9		98.5		6.9		11.7		5		-				-		-	
					Middle	4.5	0.1	87	28.1	28.1	8.0	8.0	19.7	19.7	88.3	88.3	6.2		15.1		6		-				-		-	
						4.5	0.1	88	28.1		8.0		19.7		88.3		6.2		15.1		6		-				-		-	
					Bottom	7.9	0.1	314	27.9	27.9	8.0	8.0	20.0	20.0	88.6	88.6	6.2	6.2	17.2		5		-				-		-	
						7.9	0.1	337	27.9		8.0		20.0		88.6		6.2		17.2		7		-				-		-	
SR4A	Fine	Moderate	17:11	8.9	Surface	1.0	0.1	109	29.2	29.2	8.4	8.4	21.0	21.0	135.1	135.0	9.2	8.2	15.0	18.5	9	10	-	-	817189	807831	-	-	-	-
						1.0	0.1	110	29.2		8.4		21.0		134.9		9.2		15.0		10		-				-		-	
					Middle	4.5	0.2	246	28.5	28.5	8.3	8.3	21.6	21.6	103.4	103.2	7.1		18.6		10		-				-		-	
						4.5	0.2	265	28.5		8.3		21.6		102.9		7.1		18.7		10		-				-		-	
					Bottom	7.9	0.3	254	27.8	27.7	8.1	8.1	22.7	22.7	95.0	95.2	6.6	6.6	21.8		10		-				-		-	
						7.9	0.3	265	27.7		8.1		22.7		95.4		6.6		21.8		10		-				-		-	
SR5A	Fine	Calm	17:28	4.9	Surface	1.0	0.2	275	29.5	29.4	8.5	8.5	20.7	20.7	161.7	161.6	11.0	11.0	10.5	12.0	9	10	-	-	816613	810672	-	-	-	-
						1.0	0.2	280	29.4		8.5		20.7		161.4		11.0		10.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	325	28.3	28.3	8.3	8.3	21.9	21.9	134.8	135.1	9.3	9.3	13.5		10		-				-		-	
						3.9	0.3	339	28.4		8.3		21.9		135.3		9.3		13.4		10		-				-		-	
SR6	Fine	Calm	17:54	5.1	Surface	1.0	0.1	243	27.9	27.9	8.2	8.2	21.2	21.2	103.3	103.3	7.2	7.2	17.9	21.2	10	11	-	-	817875	814669	-	-	-	-
						1.0	0.1	252	27.9		8.2		21.2		103.2		7.2		18.1		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	221	27.6	27.6	8.2	8.2	22.3	22.3	101.2	101.3	7.0	7.1	25.0		10		-				-		-	
						4.1	0.0	238	27.6		8.2		22.3		101.3		7.1		23.8		12		-				-		-	
SR7	Fine	Moderate	18:19	19.6	Surface	1.0	0.1	253	27.7	27.7	8.1	8.1	22.6	22.6	110.9	110.6	7.7	6.2	10.8	21.3	10	11	-	-	823616	823750	-	-	-	-
						1.0	0.1	270	27.7		8.1		22.6		110.3		7.6		10.9		11		-				-		-	
					Middle	9.8	0.1	161	26.0	26.0	8.0	8.0	27.2	27.1	66.8	66.9	4.7		24.1		12		-				-		-	
						9.8	0.2	171	26.0		8.0		27.1		66.9		4.7		24.3		11		-				-		-	
					Bottom	18.6	0.2	80	25.8	25.8	8.0	8.0	27.8	27.8	70.9	71.1	4.9	5.0	29.0		12		-				-		-	
						18.6	0.2	81	25.8		8.0		27.8		71.2		5.0		28.5		10		-				-		-	
SR8	Sunny	Calm	17:05	3.5	Surface	1.0	-	-	29.1	29.1	8.2	8.2	20.0	20.0	155.7	155.7	10.7	10.7	8.3	8.8	7	9	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.1		8.2		20.0		155.7		10.7		8.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	-	-	28.6	28.6	8.1	8.1	20.5	20.5	142.8	142.7	9.9	9.9	9.3		11		-				-		-	
						2.5	-	-	28.6		8.1		20.5		142.5		9.9		9.3		12		-				-		-	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Moderate	12:27	8.0	Surface	1.0	0.7	219	28.8	28.8	8.3	8.3	20.2	20.2	105.8	105.8	7.3	5.8	11.5	17.3	5	6	72	74	815608	804243	<0.2	<0.2	1.3	1.2
						1.0	0.7	233	28.8		8.3		20.2		105.8		7.3		11.5		5		72				<0.2		0.8	
					Middle	4.0	0.8	214	27.3	27.3	8.1	8.1	23.1	23.1	59.9	59.9	4.2		17.7		5		74				<0.2		1.0	
						4.0	0.8	231	27.3		8.1		23.1		59.9		4.2		17.7		5		74				<0.2		1.3	
					Bottom	7.0	0.5	221	26.3	26.3	7.9	7.9	28.1	28.1	55.6	55.6	3.8	3.8	22.7		7		76				<0.2		1.4	
						7.0	0.5	226	26.3		7.9		28.1		55.6		3.8		22.7		8		77				<0.2		1.3	
C2	Cloudy	Rough	13:00	12.2	Surface	1.0	0.2	205	29.2	29.2	8.2	8.2	17.1	17.1	108.8	108.8	7.6	6.8	11.6	17.0	7	8	72	75	825689	806957	<0.2	<0.2	1.0	0.9
						1.0	0.2	222	29.2		8.2		17.1		108.8		7.6		11.6		8		73				<0.2		1.1	
					Middle	6.1	0.1	192	28.1	28.1	8.1	8.1	20.5	20.5	86.0	86.0	6.0		18.6		7		74				<0.2		0.9	
						6.1	0.1	203	28.1		8.1		20.5		86.0		6.0		18.6		8		75				<0.2		0.8	
					Bottom	11.2	0.2	165	27.9	27.9	8.1	8.1	21.8	21.8	85.2	85.2	5.9	5.9	20.9		8		76				<0.2		0.8	
						11.2	0.2	167	27.9		8.1		21.8		85.2		5.9		20.9		8		77				<0.2		0.9	
C3	Cloudy	Moderate	11:10	11.6	Surface	1.0	0.1	118	29.8	29.8	8.4	8.4	17.4	17.4	105.1	105.1	7.3	6.0	9.8	14.6	6	7	75	76	822085	817805	<0.2	<0.2	0.7	1.0
						1.0	0.1	121	29.8		8.4		17.4		105.1		7.3		9.8		5		75				<0.2		0.6	
					Middle	5.8	0.2	326	27.8	27.8	8.2	8.2	22.2	22.2	68.2	68.2	4.7		15.4		8		76				<0.2		1.3	
						5.8	0.2	333	27.8		8.2		22.2		68.2		4.7		15.4		8		77				<0.2		1.1	
					Bottom	10.6	0.2	139	26.4	26.4	8.0	8.0	27.6	27.6	70.2	70.2	4.8	4.8	18.6		7		77				<0.2		1.2	
						10.6	0.2	140	26.4		8.0		27.6		70.2		4.8		18.6		8		77				<0.2		1.1	
IM1	Cloudy	Moderate	12:55	4.8	Surface	1.0	0.1	248	27.4	27.4	8.0	8.0	24.2	24.2	61.2	61.2	6.2	6.2	18.7	19.5	5	6	72	73	817967	807129	<0.2	<0.2	1.2	1.2
						1.0	0.1	248	27.4		8.0		24.2		61.2		6.2		18.7		4		73				<0.2		1.3	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	211	26.8	26.8	7.9	7.9	26.6	26.6	58.0	58.0	4.0	4.0	20.2		7		74				<0.2		1.1	
						3.8	0.1	219	26.8		7.9		26.6		58.0		4.0		20.2		7		74				<0.2		1.0	
IM2	Cloudy	Moderate	13:02	6.6	Surface	1.0	0.9	219	28.3	28.3	8.2	8.2	20.9	20.9	80.1	80.1	5.6	5.0	14.5	16.8	5	6	72	74	818136	806193	<0.2	<0.2	1.0	1.0
						1.0	0.9	228	28.3		8.2		20.9		80.1		5.6		14.5		6		73				<0.2		1.3	
					Middle	3.3	0.7	216	27.0	27.0	8.0	8.0	24.7	24.7	63.8	63.8	4.4		17.4		5		74				<0.2		0.6	
						3.3	0.7	231	27.0		8.0		24.7		63.8		4.4		17.4		5		75				<0.2		0.8	
					Bottom	5.6	0.3	248	26.6	26.6	8.0	8.0	27.1	27.1	74.8	74.8	5.2	5.2	18.5		6		76				<0.2		1.0	
						5.6	0.3	260	26.6		8.0		27.1		74.8		5.2		18.5		6		75				<0.2		1.1	
IM3	Cloudy	Moderate	13:10	6.9	Surface	1.0	0.5	239	29.2	29.2	8.3	8.3	19.5	19.5	120.5	120.4	8.3	7.2	11.0	17.2	10	10	72	74	818793	805574	<0.2	<0.2	1.2	1.2
						1.0	0.5	240	29.2		8.3		19.5		120.3		8.3		11.1		9		72				<0.2		1.4	
					Middle	3.5	0.5	235	28.1	28.1	8.2	8.2	21.7	21.7	87.3	87.3	6.1		16.9		9		74				<0.2		1.0	
						3.5	0.5	245	28.1		8.2		21.7		87.3		6.1		16.9		10		75				<0.2		1.0	
					Bottom	5.9	0.3	227	27.4	27.4	8.0	8.0	24.1	24.1	70.7	70.7	4.9	4.9	23.5		11		76				<0.2		1.2	
						5.9	0.3	234	27.4		8.0		24.1		70.7		4.9		23.5		11		76				<0.2		1.2	
IM4	Cloudy	Moderate	13:20	7.3	Surface	1.0	1.1	185	29.3	29.3	8.3	8.3	17.9	17.9	112.3	112.3	7.8	7.0	15.6	19.0	5	7	72	75	819706	804580	<0.2	<0.2	1.2	1.3
						1.0	1.1	188	29.3		8.3		17.9		112.3		7.8		15.6		6		72				<0.2		1.2	
					Middle	3.7	1.0	188	27.8	27.8	8.1	8.1	22.1	22.1	88.2	88.2	6.1		20.8		8		75				<0.2		1.6	
						3.7	1.1	201	27.8		8.1		22.1		88.2		6.1		20.8		7		75				<0.2		1.4	
					Bottom	6.3	0.6	182	27.4	27.4	8.1	8.1	24.0	24.0	85.9	85.9	6.0	6.0	20.5		7		77				<0.2		1.2	
						6.3	0.6	198	27.4		8.1		24.0		85.9		6.0		20.5		8		76				<0.2		1.3	
IM5	Cloudy	Moderate	13:30	6.5	Surface	1.0	1.0	218	28.5	28.5	8.2	8.2	19.2	19.3	99.9	99.3	7.0	6.7	19.5	20.4	6	5	71	73	820711	804854	<0.2	<0.2	1.2	1.2
						1.0	1.0	230	28.5		8.2		19.3		98.7		6.9		20.4		5		71				<0.2		1.4	
					Middle	3.3	0.8	220	28.1	28.1	8.1	8.1	21.2	21.2	94.0	94.0	6.5		21.5		5		73				<0.2		1.3	
						3.3	0.8	229	28.1		8.1		21.2		94.0		6.5		21.5		5		73				<0.2		0.8	
					Bottom	5.5	0.6	216	28.2	28.2	8.1	8.1	21.3	21.3	100.7	100.7	7.0	7.0	19.6		6		75				<0.2		1.1	
						5.5	0.7	216	28.2		8.1		21.3		100.7		7.0		19.6		5		75				<0.2		1.1	
IM6	Cloudy	Moderate	13:39	6.9	Surface	1.0	0.7	242	28.2	28.2	8.1	8.1	21.2	21.2	89.2	89.2	6.2	6.0	14.3	20.6	7	7	72	74	821055	805815	<0.2	<0.2	1.0	1.2
						1.0	0.8	248	28.2		8.1		21.2		89.2		6.2		14.3		6		72				<0.2		1.1	
					Middle	3.5	0.7	239	27.8	27.8	8.1	8.1	22.2	22.2	83.4	83.4	5.8		24.0		8		74				<0.2		0.9	
						3.5	0.8	259	27.8		8.1		22.2		83.4		5.8		24.0		6		74				<0.2		1.1	
					Bottom	5.9	0.6	244	27.8	27.8	8.1	8.1	22.3	22.3	89.7	89.7	6.2	6.2	23.6		8		76				<0.2		1.6	
						5.9	0.6	250	27.8		8.1		22.3		89.7		6.2		23.6		7		75				<0.2		1.3	
IM7	Cloudy	Moderate	13:49	7.3	Surface	1.0	1.2	200	29.1	29.1	8.2	8.2	17.2	17.2	97.3	97.3	6.8	6.4	15.2	20.1	7	9	72	74	821367	806863	<0.2	<0.2	1.4	1.2
						1.0	1.3	215	29.1		8.2		17.2		97.3		6.8		15.2		6		73				<0.2		1.6	
					Middle	3.7	1.0	211	28.1	28.1	8.1	8.1	21.2	21.2	85.5	85.5	5.9		23.1		9		74				<0.2		0.9	
						3.7	1.1	222	28.1		8.1		21.2		85.5		5.9		23.1		9		74				<0.2		1.0	
					Bottom	6.3	0.7	219	27.9	27.9	8.1	8.1	21.9	21.9	84.5	84.5	5.9	5.9	22.1		9		76				<0.2		1.2	
						6.3	0.7	227	27.9		8.1		21.9		84.5		5.9		22.1		11		76				<0.2		1.3	
IM8	Cloudy	Moderate	12:25	8.1	Surface	1.0	0.1	150	28.6	28.6	8.2	8.2	18.8	18.8	100.5	100.5	7.0	6.8	20.3	18.1	6	7	72	74	821811	808117	<0.2	<0.2	1.5	1.2
						1.0	0.1	159	28.6		8.2		18.8		100.5		7.0		20.3		6		73				<0.2		1.5	
					Middle	4.1	0.2	183	28.1	28.1	8.1	8.1	20.9	20.9	95.0	95.0	6.6		16.4		6		74				<0.2		1.2	
						4.1	0.2	186	28.1		8.1		20.9		95.0		6.6		16.4		6		75				<0.2		1.2	
					Bottom	7.1	0.2	187	28.1	28.1	8.1	8.1	21.1	21.1	101.9	101.9	7.1	7.1	17.6		8		76				<0.2		0.9	
						7.1	0.3	189	28.1		8.1		21.1		101.9		7.1		17.6		8		76				<0.2		1.1	

DA: *Depth-Averaged*

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

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

Note: The ebb and flood tide monitoring sessions on 14 July 2018 were cancelled due to adverse weather.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	12:17	7.2	Surface	1.0	0.3	137	29.3	29.3	8.3	8.3	17.6	17.6	118.7	118.5	8.2	7.3	12.9	17.6	7	8	72	74	822073	808832	<0.2	<0.2	1.2	1.0
						1.0	0.3	139	29.3		8.3		17.6		118.2		8.2		13.1		7		72				<0.2		0.8	
					Middle	3.6	0.1	85	27.9	27.9	8.2	8.2	21.5	21.5	90.3	90.3	6.3		19.4		7		74				<0.2		0.8	
						3.6	0.1	86	27.9		8.2		21.5		90.3		6.3		19.4		6		74				<0.2		0.9	
					Bottom	6.2	0.2	160	27.4	27.4	8.1	8.1	23.7	23.7	86.7	86.9	6.0	6.0	20.3		10		76				<0.2		1.2	
						6.2	0.2	163	27.4		8.1		23.7		87.0		6.0		20.3		9		77				<0.2		1.0	
IM10	Cloudy	Moderate	12:10	6.8	Surface	1.0	0.3	139	29.3	29.2	8.4	8.4	19.2	19.2	125.0	124.6	8.6	7.7	9.3	15.0	9	11	72	75	822381	809805	<0.2	<0.2	0.9	0.9
						1.0	0.3	145	29.2		8.4		19.3		124.1		8.6		9.5		10		73				<0.2		1.2	
					Middle	3.4	0.3	112	28.3	28.3	8.3	8.3	20.7	20.7	97.8	97.8	6.8		15.3		11		74				<0.2		0.7	
						3.4	0.3	116	28.3		8.3		20.7		97.8		6.8		15.3		12		75				<0.2		0.6	
					Bottom	5.8	0.2	120	27.4	27.4	8.1	8.1	23.7	23.7	72.3	72.3	5.0	5.0	20.3		11		77				<0.2		1.2	
						5.8	0.2	125	27.4		8.1		23.7		72.3		5.0		20.3		12		76				<0.2		0.9	
IM11	Cloudy	Moderate	11:58	7.7	Surface	1.0	0.4	110	28.5	28.5	8.3	8.3	20.7	20.7	95.7	95.7	6.6	5.6	13.2	15.5	12	12	72	74	822046	811456	<0.2	<0.2	1.2	1.1
						1.0	0.4	114	28.5		8.3		20.7		95.7		6.6		13.2		11		72				<0.2		1.0	
					Middle	3.9	0.2	102	27.3	27.3	8.1	8.1	23.9	24.0	66.4	66.3	4.6		15.1		12		75				<0.2		1.0	
						3.9	0.2	102	27.3		8.1		24.0		66.2		4.6		15.1		11		74				<0.2		1.0	
					Bottom	6.7	0.2	183	26.5	26.5	8.0	8.0	27.3	27.3	74.4	74.4	5.1	5.1	18.2		12		75				<0.2		1.1	
						6.7	0.2	200	26.5		8.0		27.3		74.4		5.1		18.2		11		75				<0.2		1.5	
IM12	Cloudy	Moderate	11:49	7.6	Surface	1.0	0.3	96	27.6	27.6	8.1	8.1	23.5	23.5	70.6	70.6	4.9	5.0	15.2	13.4	8	9	72	75	821454	812032	<0.2	<0.2	1.2	1.3
						1.0	0.3	99	27.6		8.1		23.5		70.6		4.9		15.2		8		73				<0.2		1.4	
					Middle	3.8	0.3	110	26.9	26.9	8.0	8.0	26.0	26.0	74.4	74.4	5.1		15.9		9		75				<0.2		1.4	
						3.8	0.3	111	26.9		8.0		26.0		74.4		5.1		15.9		10		74				<0.2		1.6	
					Bottom	6.6	0.1	157	29.0	29.0	8.3	8.3	19.0	19.0	117.8	117.8	8.2	8.2	9.2		10		77				<0.2		1.0	
						6.6	0.1	169	29.0		8.3		19.0		117.8		8.2		9.2		9		76				<0.2		0.9	
SR2	Cloudy	Moderate	11:25	4.3	Surface	1.0	0.3	76	27.1	27.1	8.1	8.1	22.9	22.9	57.0	57.0	4.7	4.7	14.7	15.8	7	8	73	74	821480	814139	<0.2	<0.2	0.7	0.8
						1.0	0.3	79	27.1		8.1		22.9		57.0		4.7		14.7		8		72				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	80	26.4	26.4	8.0	8.0	27.5	27.5	62.1	62.1	4.3	4.3	16.9		8		74				<0.2		0.9	
						3.3	0.3	87	26.4		8.0		27.5		62.1		4.3		16.9		7		75				<0.2		0.8	
SR3	Cloudy	Rough	12:31	8.6	Surface	1.0	0.2	190	28.2	28.2	8.1	8.1	21.1	21.1	88.2	88.2	6.1	6.0	14.6	21.7	7	7	-	-	822171	807560	-	-	-	-
						1.0	0.3	208	28.2		8.1		21.1		88.2		6.1		14.6		8		-				-		-	
					Middle	4.3	0.3	197	27.8	27.8	8.1	8.1	22.0	22.0	83.9	83.9	5.8		25.1		7		-				-		-	
						4.3	0.3	206	27.8		8.1		22.0		83.9		5.8		25.1		7		-				-		-	
					Bottom	7.6	0.2	221	27.8	27.8	8.1	8.1	22.1	22.1	90.5	90.5	6.3	6.3	25.3		7		-				-		-	
						7.6	0.2	224	27.8		8.1		22.1		90.5		6.3		25.3		6		-				-		-	
SR4A	Cloudy	Calm	12:08	8.7	Surface	1.0	0.1	63	28.7	28.7	8.2	8.2	21.4	21.4	89.3	89.3	6.1	5.0	14.4	20.1	12	12	-	-	817169	807819	-	-	-	-
						1.0	0.1	63	28.7		8.2		21.4		89.3		6.1		14.4		12		-				-		-	
					Middle	4.4	0.2	49	26.7	26.7	8.0	8.0	26.9	26.9	57.1	57.1	3.9		20.8		12		-				-		-	
						4.4	0.2	49	26.7		8.0		26.9		57.1		3.9		20.8		12		-				-		-	
					Bottom	7.7	0.2	46	26.6	26.6	8.0	8.0	27.2	27.2	63.0	63.0	4.3	4.3	25.0		11		-				-		-	
						7.7	0.2	47	26.6		8.0		27.2		63.0		4.3		25.0		11		-				-		-	
SR5A	Cloudy	Calm	11:51	4.9	Surface	1.0	0.1	343	29.2	29.2	8.3	8.3	19.7	19.7	116.3	116.3	8.0	8.0	11.4	13.8	8	8	-	-	816592	810705	-	-	-	-
						1.0	0.1	316	29.2		8.3		19.7		116.3		8.0		11.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	321	28.8	28.8	8.2	8.2	21.5	21.5	109.3	109.3	7.5	7.5	16.1		7		-				-		-	
						3.9	0.1	352	28.8		8.2		21.5		109.3		7.5		16.1		8		-				-		-	
SR6	Cloudy	Calm	11:23	5.0	Surface	1.0	0.1	77	29.1	29.1	8.3	8.3	20.9	20.9	124.8	124.8	8.6	8.6	11.5	13.4	8	10	-	-	817920	814690	-	-	-	-
						1.0	0.1	77	29.1		8.3		20.9		124.8		8.6		11.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	82	28.3	28.3	8.1	8.1	21.9	21.9	105.8	105.8	7.3	7.3	15.2		10		-				-		-	
						4.0	0.1	89	28.3		8.1		21.9		105.8		7.3		15.2		12		-				-		-	
SR7	Cloudy	Moderate	10:35	15.8	Surface	1.0	0.3	112	28.9	28.9	8.2	8.2	19.7	19.7	85.8	85.8	5.9	5.5	12.7	16.2	8	8	-	-	823610	823714	-	-	-	-
						1.0	0.3	121	28.9		8.2		19.7		85.8		5.9		12.7		8		-				-		-	
					Middle	7.9	0.2	133	27.7	27.7	8.1	8.1	26.3	26.3	74.8	74.8	5.1		14.2		9		-				-		-	
						7.9	0.2	137	27.7		8.1		26.3		74.8		5.1		14.2		8		-				-		-	
					Bottom	14.8	0.1	45	26.7	26.7	7.9	7.9	27.3	27.3	66.2	66.2	4.6	4.6	21.6		8		-				-		-	
						14.8	0.1	46	26.7		7.9		27.3		66.2		4.6		21.6		8		-				-		-	
SR8	Cloudy	Moderate	11:40	4.2	Surface	1.0	-	-	28.8	28.8	8.3	8.3	21.9	21.9	118.8	118.8	8.1	8.1	9.4	9.4	11	11	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.8		8.3		21.9		118.8		8.1		9.4		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.4	29.4	8.3	8.3	19.4	19.4	116.6	116.6	8.0	8.0	9.3		11		-				-		-	
						3.2	-	-	29.4		8.3		19.4		116.6		8.0		9.3		11		-				-		-	

DA: *Depth-Averaged*
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: The ebb and flood tide monitoring sessions on 14 July 2018 were cancelled due to adverse weather.

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 July 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	Rainy	Moderate	18:47	8.4	Surface	1.0	0.5	20	28.7	28.7	8.2	8.2	19.2	19.2	101.3	101.3	7.0	6.8	18.1	21.7	12	14	72	74	815642	804241	<0.2	<0.2	1.2	1.2
						1.0	0.5	21	28.7		8.2		19.2		101.3		7.0		18.1		13		72				<0.2		0.8	
					Middle	4.2	0.5	20	28.3	28.3	8.2	8.2	21.3	21.3	94.4	94.4	6.5		22.4		14		75				<0.2		1.5	
						4.2	0.5	20	28.3		8.2		21.3		94.4		6.5		22.4		13		74				<0.2		1.3	
					Bottom	7.4	0.5	28	28.2	28.2	8.2	8.2	21.4	21.4	95.0	95.0	6.6	6.6	24.5		16		76				<0.2		1.2	
						7.4	0.5	30	28.2		8.2		21.4		95.0		6.6		24.5		16		76				<0.2		1.1	
C2	Cloudy	Rough	17:42	11.6	Surface	1.0	0.1	107	28.7	28.7	7.9	7.9	16.0	16.0	72.8	72.8	5.2	5.2	18.8	20.5	10	11	72	75	825673	806955	<0.2	<0.2	1.0	1.2
						1.0	0.1	108	28.7		7.9		16.0		72.8		5.2		18.8		11		73				<0.2		1.1	
					Middle	5.8	0.1	316	28.6	28.6	7.9	7.9	16.5	16.5	74.1	74.1	5.2		20.1		11		74				<0.2		1.2	
						5.8	0.1	342	28.6		7.9		16.5		74.1		5.2		20.1		10		75				<0.2		1.3	
					Bottom	10.6	0.1	358	28.6	28.6	7.9	7.9	16.6	16.6	77.7	77.7	5.5	5.5	22.5		12		77				<0.2		1.4	
						10.6	0.1	329	28.6		7.9		16.6		77.7		5.5		22.5		12		76				<0.2		1.3	
C3	Cloudy	Moderate	19:22	12.1	Surface	1.0	0.3	243	29.1	29.1	8.3	8.3	21.3	21.3	122.1	122.1	8.3	8.3	19.1	20.7	13	14	75	76	822131	817791	<0.2	<0.2	1.3	1.3
						1.0	0.3	254	29.1		8.3		21.3		122.1		8.3		19.1		14		74				<0.2		1.4	
					Middle	6.1	0.2	256	29.1	29.1	8.3	8.3	21.3	21.3	120.5	120.5	8.2		18.8		14		76				<0.2		1.3	
						6.1	0.2	280	29.1		8.3		21.3		120.5		8.2		18.8		14		75				<0.2		1.3	
					Bottom	11.1	0.2	277	29.1	29.1	8.3	8.3	21.3	21.3	119.8	119.8	8.2	8.2	24.1		14		77				<0.2		1.1	
						11.1	0.2	304	29.1		8.3		21.3		119.8		8.2		24.1		14		77				<0.2		1.3	
IM1	Rainy	Moderate	18:26	4.8	Surface	1.0	0.2	63	28.6	28.6	8.3	8.3	21.1	21.1	111.3	111.3	7.7	7.7	21.5	22.0	15	14	72	74	817931	807154	<0.2	<0.2	1.1	1.1
						1.0	0.3	64	28.6		8.3		21.1		111.3		7.7		21.5		14		73				<0.2		1.2	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	57	28.6	28.6	8.3	8.3	21.2	21.2	109.5	109.5	7.6	7.6	22.5		14		74				<0.2		1.2	
						3.8	0.4	60	28.6		8.3		21.2		109.5		7.6		22.5		13		75				<0.2		0.9	
IM2	Cloudy	Moderate	18:19	6.6	Surface	1.0	0.2	42	29.0	29.0	8.2	8.2	17.7	17.7	105.0	105.0	7.3	7.4	23.0	20.4	13	14	72	74	818185	806185	<0.2	<0.2	1.4	1.3
						1.0	0.2	45	29.0		8.2		17.7		105.0		7.3		23.0		13		72				<0.2		1.4	
					Middle	3.3	0.3	52	28.6	28.6	8.3	8.3	21.1	21.1	108.4	108.4	7.5		16.3		15		74				<0.2		1.3	
						3.3	0.3	54	28.6		8.3		21.1		108.4		7.5		16.3		15		73				<0.2		1.4	
					Bottom	5.6	0.3	34	28.8	28.8	8.3	8.3	21.7	21.7	111.2	111.2	7.6	7.6	21.8		15		75				<0.2		1.1	
						5.6	0.3	36	28.8		8.3		21.7		111.2		7.6		21.8		15		75				<0.2		1.3	
IM3	Cloudy	Moderate	18:12	6.9	Surface	1.0	0.1	348	29.1	29.1	8.1	8.1	16.7	16.7	95.0	95.0	6.7	6.4	20.4	20.1	13	14	72	74	818802	805586	<0.2	<0.2	1.4	1.3
						1.0	0.1	320	29.1		8.1		16.7		95.0		6.7		20.4		12		72				<0.2		1.2	
					Middle	3.5	0.2	36	28.5	28.5	8.1	8.1	18.6	18.6	85.8	85.8	6.0		18.8		13		75				<0.2		1.4	
						3.5	0.2	38	28.5		8.1		18.6		85.8		6.0		18.8		14		74				<0.2		1.3	
					Bottom	5.9	0.5	39	28.2	28.2	8.1	8.1	22.1	22.1	88.8	88.8	6.1	6.1	21.0		14		76				<0.2		1.2	
						5.9	0.5	39	28.2		8.1		22.1		88.8		6.1		21.0		15		75				<0.2		1.1	
IM4	Cloudy	Moderate	18:02	6.9	Surface	1.0	0.3	319	28.9	28.9	8.1	8.1	16.9	16.9	93.7	93.7	6.6	6.6	16.1	17.9	16	16	72	74	819746	804592	<0.2	<0.2	1.3	1.4
						1.0	0.3	323	28.9		8.1		16.9		93.7		6.6		16.1		16		72				<0.2		1.4	
					Middle	3.5	0.3	314	28.8	28.8	8.1	8.1	17.6	17.6	93.5	93.5	6.5		19.0		17		74				<0.2		1.4	
						3.5	0.3	327	28.8		8.1		17.6		93.5		6.5		19.0		15		75				<0.2		1.4	
					Bottom	5.9	0.2	350	28.8	28.8	8.1	8.1	18.0	18.0	97.2	97.2	6.8	6.8	18.7		17		76				<0.2		1.5	
						5.9	0.2	322	28.8		8.1		18.0		97.2		6.8		18.7		17		76				<0.2		1.4	
IM5	Cloudy	Moderate	17:55	6.5	Surface	1.0	0.6	306	28.8	28.8	7.9	7.9	15.9	15.9	82.1	82.1	5.8	5.8	20.1	21.3	12	13	72	74	820711	804894	<0.2	<0.2	1.2	1.2
						1.0	0.6	315	28.8		7.9		15.9		82.1		5.8		20.1		12		72				<0.2		1.2	
					Middle	3.3	0.5	293	28.8	28.8	7.9	7.9	16.0	16.0	82.6	82.6	5.8		22.5		12		74				<0.2		1.1	
						3.3	0.5	296	28.8		7.9		16.0		82.6		5.8		22.5		12		75				<0.2		1.3	
					Bottom	5.5	0.4	309	28.8	28.8	8.0	8.0	16.0	16.0	94.0	94.0	6.6	6.6	21.4		13		75				<0.2		1.3	
						5.5	0.5	318	28.8		8.0		16.0		94.0		6.6		21.4		14		75				<0.2		1.3	
IM6	Cloudy	Moderate	17:49	6.1	Surface	1.0	0.7	310	28.9	28.9	7.9	7.9	15.3	15.3	78.6	78.6	5.6	5.6	17.2	20.9	12	12	72	74	821035	805837	<0.2	<0.2	1.4	1.2
						1.0	0.8	336	28.9		7.9		15.3		78.6		5.6		17.2		12		72				<0.2		1.3	
					Middle	3.1	0.7	288	28.8	28.8	7.9	7.9	15.9	15.9	79.3	79.3	5.6		22.4		13		74				<0.2		1.3	
						3.1	0.7	306	28.8		7.9		15.9		79.3		5.6		22.4		12		73				<0.2		1.0	
					Bottom	5.1	0.6	282	28.8	28.8	7.9	7.9	15.9	15.9	81.0	81.0	5.7	5.7	23.1		11		75				<0.2		1.3	
						5.1	0.7	303	28.8		7.9		15.9		81.0		5.7		23.1		12		76				<0.2		1.1	
IM7	Cloudy	Moderate	17:41	7.5	Surface	1.0	0.8	271	28.8	28.8	7.9	7.9	15.0	15.0	75.6	75.6	5.4	5.4	16.7	17.0	12	13	71	73	821369	806819	<0.2	<0.2	1.1	1.3
						1.0	0.8	297	28.8		7.9		15.0		75.6		5.4		16.7		13		71				<0.2		1.2	
					Middle	3.8	0.6	259	28.6	28.6	7.9	7.9	16.2	16.2	74.4	74.4	5.3		15.3		13		73				<0.2		1.3	
						3.8	0.6	261	28.6		7.9		16.2		74.4		5.3		15.3		12		74				<0.2		1.3	
					Bottom	6.5	0.5	276	28.6	28.6	7.9	7.9	16.4	16.4	77.0	77.0	5.5	5.5	19.1		12		75				<0.2		1.4	
						6.5	0.5	300	28.6		7.9		16.4		77.0		5.5		19.1		13		74				<0.2		1.3	
IM8	Cloudy	Moderate	18:07	8.3	Surface	1.0	0.1	284	28.8	28.8	7.9	7.9	16.2	16.2	81.3	81.3	5.7	5.8	18.4	20.1	15	16	73	75	821803	808111	<0.2	<0.2	1.2	1.2
						1.0	0.1	287	28.8		7.9		16.2		81.3		5.7		18.4		15		73				<0.2		1.3	
					Middle	4.2	0.1	92	28.8	28.8	7.9	7.9	16.2	16.2	81.6	81.6	5.8		21.1		16		74				<0.2		1.4	
						4.2	0.1	100	28.8		7.9		16.2		81.6		5.8		21.1		16		75				<0.2		1.2	
					Bottom	7.3	0.1	44	28.8	28.8	7.9	7.9	16.2	16.2	85.3	85.3	6.0	6.0	20.9		17		76				<0.2		1.3	
						7.3	0.1	45	28.8		7.9		16.2		85.3		6.0		20.9		18		76				<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**

Note: The ebb and flood tide monitoring sessions on 14 July 2018 were cancelled due to adverse weather.

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	18:13	7.1	Surface	1.0	0.1	269	28.9	28.9	8.0	8.0	17.2	17.2	92.5	92.5	6.5	6.5	16.3	18.7	14	15	72	75	822068	808803	<0.2	<0.2	1.5	1.4
						1.0	0.1	292	28.9		8.0		17.2		92.5		6.5		16.3		15		73				<0.2		1.2	
					Middle	3.6	0.0	55	28.8	28.8	8.0	8.0	18.0	18.0	91.4	91.4	6.4		19.8		15		74				<0.2		1.4	
						3.6	0.0	60	28.8		8.0		18.0		91.4		6.4		19.8		14		75				<0.2		1.4	
					Bottom	6.1	0.2	98	28.7	28.7	8.0	8.0	18.4	18.4	92.5	92.6	6.5	6.5	20.2		14		76				<0.2		1.3	
						6.1	0.2	104	28.7		8.0		18.4		92.6		6.5		20.0		15		77				<0.2		1.3	
IM10	Cloudy	Moderate	18:19	6.8	Surface	1.0	0.1	165	29.0	29.0	8.1	8.1	17.3	17.3	89.8	89.8	6.3	6.1	20.9	20.7	12	13	73	75	822359	809768	<0.2	<0.2	1.4	1.4
						1.0	0.1	178	29.0		8.1		17.3		89.8		6.3		20.9		12		72				<0.2		1.4	
					Middle	3.4	0.1	348	28.6	28.6	8.1	8.1	19.0	19.0	82.9	82.9	5.8		17.8		13		75				<0.2		1.4	
						3.4	0.1	320	28.6		8.1		19.0		82.8		5.8		17.8		14		75				<0.2		1.5	
					Bottom	5.8	0.3	339	27.8	27.8	8.1	8.1	22.6	22.6	78.3	78.3	5.4	5.4	23.5		13		76				<0.2		1.4	
						5.8	0.4	355	27.8		8.1		22.6		78.3		5.4		23.5		13		77				<0.2		1.4	
IM11	Cloudy	Moderate	18:27	7.3	Surface	1.0	0.1	322	28.9	28.9	8.2	8.2	18.3	18.3	102.0	102.0	7.1	7.1	16.6	20.4	12	13	73	75	822043	811448	<0.2	<0.2	1.5	1.4
						1.0	0.1	329	28.9		8.2		18.3		102.0		7.1		16.6		12		73				<0.2		1.5	
					Middle	3.7	0.4	271	28.4	28.4	8.2	8.2	21.1	21.1	102.9	102.9	7.1		18.4		12		75				<0.2		1.4	
						3.7	0.5	277	28.4		8.2		21.1		102.9		7.1		18.4		12		75				<0.2		1.3	
					Bottom	6.3	0.2	347	28.8	28.8	8.2	8.2	22.0	22.0	108.2	108.2	7.4	7.4	26.1		16		77				<0.2		1.4	
						6.3	0.2	354	28.8		8.2		22.0		108.2		7.4		26.1		16		77				<0.2		1.4	
IM12	Cloudy	Moderate	18:36	7.5	Surface	1.0	0.3	265	28.7	28.7	8.3	8.3	21.4	21.4	108.4	108.4	7.5	7.4	20.8	20.5	13	15	73	75	821442	812071	<0.2	<0.2	1.4	1.3
						1.0	0.3	285	28.7		8.3		21.4		108.4		7.5		20.8		13		72				<0.2		1.4	
					Middle	3.8	0.6	270	28.6	28.6	8.2	8.2	21.6	21.6	106.2	106.2	7.3		19.0		17		75				<0.2		1.4	
						3.8	0.6	283	28.6		8.2		21.6		106.2		7.3		19.0		17		75				<0.2		1.4	
					Bottom	6.5	0.2	311	28.1	28.1	8.1	8.1	24.1	24.1	102.8	102.8	7.0	7.0	21.6		16		76				<0.2		1.2	
						6.5	0.2	320	28.1		8.1		24.1		102.8		7.0		21.6		16		77				<0.2		1.2	
SR2	Cloudy	Moderate	18:58	4.7	Surface	1.0	0.3	187	28.6	28.6	8.1	8.1	19.6	19.6	96.9	96.9	6.7	6.7	16.8	18.8	14	15	73	74	821466	814141	<0.2	<0.2	1.4	1.4
						1.0	0.3	201	28.6		8.1		19.6		96.9		6.7		16.8		15		73				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	161	28.3	28.3	8.1	8.1	21.6	21.6	97.4	97.4	6.7	6.7	20.8		16		75				<0.2		1.3	
						3.7	0.1	167	28.3		8.1		21.6		97.4		6.7		20.8		16		75				<0.2		1.2	
SR3	Cloudy	Rough	18:03	8.5	Surface	1.0	0.2	271	28.8	28.8	7.9	7.9	15.6	15.6	77.2	77.2	5.5	5.5	19.1	21.4	11	12	-	-	822165	807590	-	-	-	-
						1.0	0.2	292	28.8		7.9		15.6		77.2		5.5		19.1		11		-				-		-	
					Middle	4.3	0.1	86	28.8	28.8	7.9	7.9	16.1	16.1	77.8	77.8	5.5		20.9		11		-				-		-	
						4.3	0.1	93	28.8		7.9		16.1		77.8		5.5		20.9		13		-				-		-	
					Bottom	7.5	0.1	315	28.8	28.8	7.9	7.9	16.2	16.2	79.8	79.8	5.6	5.6	24.2		12		-				-		-	
						7.5	0.1	328	28.8		7.9		16.2		79.8		5.6		24.2		12		-				-		-	
SR4A	Rainy	Calm	19:08	8.8	Surface	1.0	0.0	253	29.1	29.1	8.3	8.3	21.0	21.0	123.4	123.4	8.4	8.4	21.1	20.3	22	24	-	-	817218	807795	-	-	-	-
						1.0	0.0	269	29.1		8.3		21.0		123.4		8.4		21.1		20		-				-		-	
					Middle	4.4	0.0	88	29.1	29.1	8.3	8.3	21.0	21.0	122.0	122.0	8.4		18.8		24		-				-		-	
						4.4	0.0	94	29.1		8.3		21.0		122.0		8.4		18.8		24		-				-		-	
					Bottom	7.8	0.0	95	29.1	29.1	8.3	8.3	21.0	21.0	116.6	116.6	8.0	8.0	20.9		25		-				-		-	
						7.8	0.0	97	29.1		8.3		21.0		116.6		8.0		20.9		26		-				-		-	
SR5A	Rainy	Calm	19:27	3.5	Surface	1.0	0.2	293	29.3	29.3	8.4	8.4	20.8	20.8	133.7	133.7	9.1	9.1	20.6	20.2	13	12	-	-	816585	810681	-	-	-	-
						1.0	0.2	296	29.3		8.4		20.8		133.7		9.1		20.6		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	300	29.3	29.3	8.4	8.4	20.8	20.8	132.7	132.7	9.1	9.1	19.7		12		-				-		-	
						2.5	0.2	312	29.3		8.4		20.8		132.7		9.1		19.7		11		-				-		-	
SR6	Rainy	Calm	19:53	4.5	Surface	1.0	0.0	177	28.9	28.9	8.3	8.3	19.2	19.2	130.5	130.5	9.0	9.0	13.8	16.4	12	11	-	-	817923	814685	-	-	-	-
						1.0	0.0	186	28.9		8.3		19.2		130.5		9.0		13.8		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	61	28.9	28.9	8.4	8.4	20.1	20.1	117.4	117.4	8.1	8.1	18.9		11		-				-		-	
						3.5	0.1	63	28.9		8.4		20.1		117.4		8.1		18.9		11		-				-		-	
SR7	Cloudy	Moderate	19:54	16.2	Surface	1.0	0.1	232	29.1	29.1	8.3	8.3	21.3	21.3	122.6	122.6	8.4	8.4	18.2	20.3	10	10	-	-	823651	823728	-	-	-	-
						1.0	0.1	239	29.1		8.3		21.3		122.6		8.4		18.2		10		-				-		-	
					Middle	8.1	0.1	144	29.1	29.1	8.3	8.3	21.3	21.3	121.9	121.9	8.3		20.7		10		-				-		-	
						8.1	0.1	146	29.1		8.3		21.3		121.9		8.3		20.7		10		-				-		-	
					Bottom	15.2	0.2	80	29.1	29.1	8.3	8.3	21.3	21.3	121.9	121.9	8.3	8.3	22.1		12		-				-		-	
						15.2	0.2	87	29.1		8.3		21.3		121.9		8.3		22.1		10		-				-		-	
SR8	Cloudy	Moderate	18:42	4.6	Surface	1.0	-	-	28.6	28.6	8.2	8.2	19.7	19.7	97.7	97.7	6.8	6.8	19.9	21.3	17	19	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.6		8.2		19.7		97.7		6.8		19.9		17		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	28.3	28.3	8.2	8.2	21.6	21.6	99.1	99.1	6.9	6.9	22.6		21		-				-		-	
						3.6	-	-	28.3		8.2		21.6		99.1		6.9		22.6		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: The ebb and flood tide monitoring sessions on 14 July 2018 were cancelled due to adverse weather.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	15:46	9.3	Surface	1.0	0.1	212	28.3	28.3	8.0	8.0	22.7	22.7	84.3	84.4	5.8	5.7	8.6	11.0	6	7	72	74	815645	804261	<0.2	<0.2	0.5	0.8
						1.0	0.1	223	28.3		8.0		22.8		84.4		5.8		8.7		6		72				<0.2		0.6	
					Middle	4.7	0.2	197	27.2	27.2	8.1	8.1	28.5	28.5	82.0	81.9	5.6		11.3		5		75				<0.2		0.7	
						4.7	0.2	201	27.2		8.1		28.5		81.8		5.5		11.3		6		74				<0.2		0.8	
					Bottom	8.3	0.0	199	27.1	27.1	8.1	8.1	28.9	28.9	82.1	82.2	5.6	5.6	13.0		8		77				<0.2		1.1	
						8.3	0.0	214	27.1		8.1		28.9		82.2		5.6		13.0		10		76				<0.2		1.2	
C2	Sunny	Moderate	14:41	12.6	Surface	1.0	0.1	56	27.9	27.9	7.9	7.9	20.8	20.8	75.8	75.8	5.3	5.2	13.7	25.5	6	7	71	73	825699	806950	<0.2	<0.2	1.9	1.6
						1.0	0.1	58	27.9		7.9		20.8		75.8		5.3		13.7		5		71				<0.2		1.6	
					Middle	6.3	0.3	84	27.5	27.5	8.0	8.0	23.1	23.1	73.2	73.2	5.1		24.3		6		73				<0.2		1.6	
						6.3	0.3	86	27.5		8.0		23.1		73.2		5.1		24.3		5		73				<0.2		1.9	
					Bottom	11.6	0.4	149	27.3	27.3	7.9	7.9	24.7	24.7	75.7	75.7	5.2	5.2	38.5		9		75				<0.2		1.3	
						11.6	0.4	163	27.3		7.9		24.7		75.7		5.2		38.5		10		75				<0.2		1.5	
C3	Sunny	Moderate	16:20	12.4	Surface	1.0	0.2	94	28.2	28.2	8.0	8.0	22.8	22.8	80.1	80.1	5.5	5.3	6.9	7.9	5	5	72	75	822105	817800	<0.2	<0.2	1.5	1.6
						1.0	0.2	95	28.2		8.0		22.8		80.1		5.5		6.9		5		73				<0.2		1.7	
					Middle	6.2	0.2	99	27.6	27.6	8.0	8.0	24.3	24.3	73.7	73.7	5.1		8.2		5		75				<0.2		1.8	
						6.2	0.3	105	27.6		8.0		24.3		73.7		5.1		8.2		6		75				<0.2		1.7	
					Bottom	11.4	0.2	52	27.1	27.1	8.0	8.0	26.1	26.1	74.8	74.8	5.1	5.1	8.6		5		77				<0.2		1.5	
						11.4	0.2	53	27.1		8.0		26.1		74.8		5.1		8.6		4		76				<0.2		1.4	
IM1	Fine	Moderate	15:29	5.3	Surface	1.0	0.1	218	27.5	27.5	8.0	8.0	25.5	25.5	76.0	76.1	5.2	5.2	17.5	26.3	16	25	72	74	817945	807156	<0.2	<0.2	0.8	1.0
						1.0	0.1	226	27.5		8.0		25.5		76.1		5.2		17.6		15		73				<0.2		0.9	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	151	27.1	27.1	8.0	8.0	27.2	27.2	77.4	77.6	5.3	5.3	35.0		35		76				<0.2		1.1	
						4.3	0.1	159	27.1		8.0		27.2		77.8		5.3		34.9		32		76				<0.2		1.0	
IM2	Fine	Moderate	15:22	7.6	Surface	1.0	0.1	85	27.9	27.9	8.0	8.0	24.5	24.5	83.4	83.5	5.7	5.6	9.1	11.1	6	5	71	73	818137	806182	<0.2	<0.2	1.4	1.2
						1.0	0.1	88	27.9		8.0		24.5		83.5		5.7		9.1		5		71				<0.2		1.4	
					Middle	3.8	0.1	125	27.3	27.3	8.1	8.1	27.1	27.1	80.8	80.8	5.5		10.4		5		72				<0.2		1.1	
						3.8	0.1	134	27.3		8.1		27.1		80.8		5.5		10.4		5		72				<0.2		1.3	
					Bottom	6.6	0.0	26	27.1	27.1	8.1	8.1	28.0	28.0	80.6	80.8	5.5	5.5	14.2		5		74				<0.2		1.1	
						6.6	0.0	27	27.1		8.1		28.0		80.9		5.5		13.4		5		75				<0.2		1.1	
IM3	Fine	Moderate	15:15	7.7	Surface	1.0	0.2	44	28.1	28.1	8.0	8.0	23.0	23.0	84.5	84.5	5.8	5.6	8.8	12.8	5	9	71	73	818805	805612	<0.2	<0.2	1.4	1.1
						1.0	0.2	44	28.1		8.0		23.0		84.4		5.8		8.8		6		71				<0.2		1.4	
					Middle	3.9	0.1	87	27.1	27.1	8.1	8.1	27.7	27.7	78.7	78.7	5.4		14.3		10		72				<0.2		0.9	
						3.9	0.1	90	27.1		8.1		27.7		78.7		5.4		14.4		10		73				<0.2		1.0	
					Bottom	6.7	0.1	93	27.1	27.1	8.1	8.1	28.0	28.0	80.1	80.2	5.5	5.5	15.4		13		74				<0.2		0.8	
						6.7	0.1	100	27.1		8.1		28.0		80.2		5.5		15.1		10		75				<0.2		1.0	
IM4	Fine	Moderate	15:06	7.7	Surface	1.0	0.3	4	28.1	28.1	8.0	8.0	23.3	23.3	82.2	82.1	5.7	5.5	9.9	13.7	9	10	72	74	819714	804583	<0.2	<0.2	1.2	1.0
						1.0	0.3	4	28.1		8.0		23.3		81.9		5.6		10.3		9		71				<0.2		1.6	
					Middle	3.9	0.1	84	27.1	27.1	8.1	8.1	27.7	27.7	78.1	78.1	5.3		16.2		10		74				<0.2		0.8	
						3.9	0.1	87	27.1		8.1		27.7		78.1		5.3		16.2		11		74				<0.2		0.8	
					Bottom	6.7	0.2	91	27.1	27.1	8.1	8.1	28.1	28.1	80.7	80.8	5.5	5.5	14.9		10		75				<0.2		0.7	
						6.7	0.2	98	27.1		8.1		28.1		80.8		5.5		14.9		10		75				<0.2		0.8	
IM5	Fine	Moderate	14:58	7.3	Surface	1.0	1.0	99	27.7	27.7	8.0	8.0	25.1	25.1	80.3	80.3	5.5	5.4	14.4	21.5	9	21	71	73	820721	804892	<0.2	<0.2	1.2	1.0
						1.0	1.1	107	27.8		8.0		25.1		80.2		5.5		14.4		8		72				<0.2		1.4	
					Middle	3.7	0.7	80	27.2	27.2	8.0	8.0	27.0	27.0	77.4	77.4	5.3		24.2		23		73				<0.2		1.0	
						3.7	0.7	86	27.2		8.0		27.0		77.4		5.3		24.2		23		72				<0.2		1.1	
					Bottom	6.3	0.6	104	27.2	27.2	8.0	8.0	27.2	27.2	79.3	79.4	5.4	5.4	25.8		29		75				<0.2		0.7	
						6.3	0.6	113	27.2		8.0		27.2		79.5		5.4		25.7		31		74				<0.2		0.6	
IM6	Fine	Moderate	14:51	7.1	Surface	1.0	0.7	86	28.0	28.0	8.0	8.0	23.6	23.6	82.9	83.0	5.7	5.5	11.0	20.6	3	10	70	73	821088	805815	<0.2	<0.2	1.4	1.1
						1.0	0.7	90	28.0		8.0		23.6		83.0		5.7		11.1		3		71				<0.2		1.3	
					Middle	3.6	0.7	92	27.2	27.2	8.0	8.0	26.7	26.7	77.5	77.5	5.3		22.2		4		73				<0.2		1.2	
						3.6	0.7	93	27.2		8.0		26.7		77.4		5.3		22.4		2		73				<0.2		1.2	
					Bottom	6.1	0.5	50	27.2	27.2	8.0	8.0	27.1	27.1	78.9	79.0	5.4	5.4	28.5		23		74				<0.2		0.7	
						6.1	0.6	51	27.2		8.0		27.1		79.0		5.4		28.4		23		74				<0.2		0.8	
IM7	Fine	Moderate	14:41	8.1	Surface	1.0	1.1	70	28.1	28.1	8.0	8.0	23.4	23.4	84.3	84.3	5.8	5.5	8.9	19.0	11	11	71	72	821376	806822	<0.2	<0.2	1.1	1.2
						1.0	1.2	72	28.1		8.0		23.4		84.2		5.8		8.8		11		71				<0.2		1.2	
					Middle	4.1	1.0	96	27.3	27.3	8.0	8.0	26.0	26.0	74.7	74.8	5.1		23.7		10		72				<0.2		1.1	
						4.1	1.1	97	27.3		8.0		26.0		74.8		5.1		23.5		12		73				<0.2		1.1	
					Bottom	7.1	0.6	83	27.3	27.3	8.0	8.0	26.1	26.1	74.7	74.8	5.1	5.1	24.6		12		73				<0.2		1.1	
						7.1	0.7	89	27.3		8.0		26.1		74.8		5.1		24.6		10		73				<0.2		1.3	
IM8	Sunny	Moderate	15:05	9.3	Surface	1.0	0.3	132	28.5	28.5	8.0	8.0	20.6	20.6	81.3	81.3	5.6	5.6	9.6	14.3	6	7	71	73	821821	808142	<0.2	<0.2	1.7	1.8
						1.0	0.3	142	28.5		8.0		20.6		81.3		5.6		9.6		6		71				<0.2		1.5	
					Middle	4.7	0.2	80	27.7	27.7	8.0	8.0	24.0	24.0	80.2	80.2	5.5		13.9		6		73				<0.2		2.0	
						4.7	0.2	80	27.7		8.0		24.0		80.2		5.5		13.9		7		72				<0.2		2.4	
					Bottom	8.3	0.4	71	27.4	27.4	8.0	8.0	25.5	25.5	81.6	81.6	5.6	5.6	19.3		7		74				<0.2		1.4	
						8.3	0.4	71	27.4		8.0		25.5		81.6		5.6		19.3		7		75				<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 17 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Sunny	Moderate	15:11	8.4	Surface	1.0	0.4	105	28.6	28.6	8.0	8.0	20.9	20.9	82.9	82.9	5.7	5.7	8.1	12.8	5	5	71	73	822091	808833	<0.2	<0.2	1.6	1.7
						1.0	0.4	105	28.6		8.0		20.9		82.9		5.7		8.1		4		71				<0.2		1.6	
					Middle	4.2	0.3	93	27.7	27.7	8.0	8.0	23.2	23.2	80.4	80.4	5.6		18.6		4		72				<0.2		1.9	
						4.2	0.3	101	27.7		8.0		23.2		80.4		5.6		18.6		4		73				<0.2		1.5	
					Bottom	7.4	0.4	65	27.9	27.9	8.0	8.0	24.6	24.6	83.1	83.1	5.7	5.7	11.6		6		75				<0.2		1.9	
						7.4	0.5	70	27.9		8.0		24.6		83.1		5.7		11.6		4		75				<0.2		1.6	
IM10	Sunny	Moderate	15:19	8.0	Surface	1.0	0.5	106	28.2	28.2	8.0	8.0	21.8	21.8	81.0	81.0	5.6	5.6	11.3	21.1	6	17	71	73	822364	809767	<0.2	<0.2	1.3	1.7
						1.0	0.5	113	28.2		8.0		21.8		81.0		5.6		11.3		5		72				<0.2		1.2	
					Middle	4.0	0.4	92	27.9	27.9	8.0	8.0	22.9	22.9	79.7	79.7	5.5		17.4		6		73				<0.2		1.2	
						4.0	0.4	99	27.9		8.0		22.9		79.7		5.5		17.4		7		74				<0.2		1.3	
					Bottom	7.0	0.2	88	27.4	27.4	8.0	8.0	24.6	24.6	78.9	78.9	5.4	5.4	34.5		39		75				<0.2		2.2	
						7.0	0.3	92	27.4		8.0		24.6		78.9		5.4		34.5		39		75				<0.2		2.8	
IM11	Sunny	Moderate	15:29	9.0	Surface	1.0	0.4	111	27.8	27.8	8.0	8.0	22.2	22.2	76.0	76.0	5.3	5.2	8.7	18.2	9	14	72	75	822067	811468	<0.2	<0.2	1.7	1.4
						1.0	0.5	118	27.8		8.0		22.2		76.0		5.3		8.7		9		73				<0.2		1.5	
					Middle	4.5	0.5	108	27.3	27.3	8.0	8.0	23.5	23.5	71.3	71.3	5.0		17.8		10		75				<0.2		1.5	
						4.5	0.5	114	27.3		8.0		23.5		71.3		5.0		17.8		10		75				<0.2		1.4	
					Bottom	8.0	0.4	105	27.2	27.2	8.0	8.0	24.2	24.2	72.4	72.4	5.0	5.0	28.2		23		77				<0.2		1.2	
						8.0	0.4	112	27.2		8.0		24.2		72.4		5.0		28.2		24		77				<0.2		1.2	
IM12	Sunny	Moderate	15:36	9.6	Surface	1.0	0.5	92	28.0	28.0	8.0	8.0	21.7	21.7	74.4	74.4	5.2	5.1	12.5	17.0	6	6	72	75	821469	812075	<0.2	<0.2	1.5	1.6
						1.0	0.5	99	28.0		8.0		21.7		74.4		5.2		12.5		6		73				<0.2		1.5	
					Middle	4.8	0.4	100	27.4	27.4	8.0	8.0	23.4	23.4	71.7	71.7	5.0		18.0		6		75				<0.2		1.5	
						4.8	0.4	105	27.4		8.0		23.4		71.7		5.0		18.0		7		75				<0.2		1.5	
					Bottom	8.6	0.3	90	27.2	27.2	8.0	8.0	24.1	24.1	73.7	73.7	5.1	5.1	20.6		5		77				<0.2		1.6	
						8.6	0.3	94	27.2		8.0		24.1		73.7		5.1		20.6		6		76				<0.2		1.7	
SR2	Sunny	Moderate	15:59	5.5	Surface	1.0	0.6	97	27.9	27.9	8.0	8.0	22.0	22.0	77.5	77.5	5.4	5.4	8.7	9.2	6	6	73	74	821451	814164	<0.2	<0.2	1.5	1.4
						1.0	0.6	103	27.9		8.0		22.0		77.5		5.4		8.7		6		74				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.4	94	27.4	27.4	8.0	8.0	23.4	23.4	77.6	77.6	5.4	5.4	9.6		6		75				<0.2		1.6	
						4.5	0.4	99	27.4		8.0		23.4		77.6		5.4		9.6		6		75				<0.2		1.2	
SR3	Sunny	Moderate	15:00	9.5	Surface	1.0	0.3	110	28.1	28.1	8.0	8.0	22.5	22.5	81.8	81.8	5.6	5.6	9.3	14.7	6	6	-	-	822168	807558	-	-	-	-
						1.0	0.3	111	28.1		8.0		22.5		81.8		5.6		9.3		5		-				-		-	
					Middle	4.8	0.3	59	27.6	27.6	8.0	8.0	24.9	24.9	80.0	80.0	5.5		12.2		6		-				-		-	
						4.8	0.3	63	27.6		8.0		24.9		80.0		5.5		12.2		6		-				-		-	
					Bottom	8.5	0.3	71	27.3	27.3	8.0	8.0	25.7	25.7	79.1	79.1	5.4	5.4	22.7		6		-				-		-	
						8.5	0.3	77	27.3		8.0		25.7		79.1		5.4		22.7		5		-				-		-	
SR4A	Fine	Calm	16:11	9.1	Surface	1.0	0.3	81	27.8	27.8	8.0	8.0	25.4	25.4	80.1	80.2	5.5	5.4	12.6	19.0	6	14	-	-	817205	807809	-	-	-	-
						1.0	0.3	85	27.8		8.0		25.4		80.2		5.5		12.7		6		-				-		-	
					Middle	4.6	0.4	72	27.3	27.3	8.0	8.0	26.9	26.9	77.7	77.7	5.3		19.3		12		-				-		-	
						4.6	0.4	77	27.3		8.0		26.9		77.7		5.3		19.4		11		-				-		-	
					Bottom	8.1	0.3	64	27.1	27.1	8.1	8.1	27.6	27.6	77.9	78.0	5.3	5.3	25.3		24		-				-		-	
						8.1	0.3	67	27.1		8.1		27.6		78.0		5.3		24.6		24		-				-		-	
SR5A	Fine	Calm	16:27	4.4	Surface	1.0	0.1	336	28.1	28.1	8.0	8.0	22.6	22.6	78.7	78.7	5.4	5.4	13.5	14.9	10	13	-	-	816568	810704	-	-	-	-
						1.0	0.1	351	28.1		8.0		22.7		78.6		5.4		13.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	344	27.7	27.7	8.0	8.0	24.4	24.4	77.8	77.8	5.3	5.3	16.3		16		-				-		-	
						3.4	0.0	346	27.7		8.0		24.4		77.8		5.3		16.3		16		-				-		-	
SR6	Fine	Calm	16:50	4.0	Surface	1.0	0.1	57	28.0	28.0	8.0	8.0	21.7	21.7	80.7	80.7	5.6	5.6	11.4	12.6	6	9	-	-	817912	814687	-	-	-	-
						1.0	0.1	57	28.0		8.0		21.7		80.7		5.6		11.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	63	27.6	27.6	7.9	7.9	22.3	22.3	80.6	80.7	5.6	5.6	13.7		11		-				-		-	
						3.0	0.1	68	27.6		7.9		22.3		80.8		5.6		13.7		12		-				-		-	
SR7	Sunny	Moderate	16:47	16.5	Surface	1.0	0.6	61	27.6	27.6	8.0	8.0	25.1	25.1	75.4	75.4	5.2	5.1	6.8	7.3	5	6	-	-	823626	823741	-	-	-	-
						1.0	0.6	62	27.6		8.0		25.1		75.4		5.2		6.8		6		-				-		-	
					Middle	8.3	0.3	26	27.2	27.2	8.0	8.0	26.3	26.3	71.9	71.9	4.9		7.4		4		-				-		-	
						8.3	0.3	26	27.2		8.0		26.3		71.9		4.9		7.4		6		-				-		-	
					Bottom	15.5	0.2	24	27.1	27.1	8.0	8.0	26.7	26.7	71.8	71.8	4.9	4.9	7.6		6		-				-		-	
						15.5	0.2	25	27.1		8.0		26.7		71.8		4.9		7.6		6		-				-		-	
SR8	Sunny	Moderate	15:46	4.5	Surface	1.0	-	-	28.2	28.2	8.2	8.2	21.6	21.6	81.8	81.8	5.7	5.7	9.5	10.1	5	6	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.2		8.2		21.6		81.8		5.7		9.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	28.0	28.0	8.1	8.1	22.7	22.7	83.8	83.8	5.8	5.8	10.7		7		-				-		-	
						3.5	-	-	28.0		8.1		22.7		83.8		5.8		10.7		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 17 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
C1	Fine	Moderate	09:37	8.8	Surface	1.0	0.6	38	27.5	27.5	8.0	8.0	22.6	22.6	79.7	79.7	5.5	5.4	10.2	39.4	6	31	71	73	815617	804218	<0.2	<0.2	1.5	1.2
						1.0	0.7	39	27.5		8.0		22.6		79.6		5.5		10.2		6		72				<0.2		1.6	
					Middle	4.4	0.5	39	27.2	27.2	8.0	8.0	26.2	26.2	76.4	76.4	5.2		13.7		11		72				<0.2		0.8	
						4.4	0.6	39	27.2		8.0		26.2		76.4		5.2		13.8		11		73				<0.2		0.9	
					Bottom	7.8	0.6	32	27.1	27.1	8.0	8.0	27.7	27.7	77.1	77.1	5.3	5.3	91.8		78		74				<0.2		1.2	
						7.8	0.6	32	27.1		8.0		27.7		77.0		5.3		96.4		72		75				<0.2		1.1	
C2	Sunny	Moderate	09:57	12.6	Surface	1.0	0.2	348	28.0	28.0	7.9	7.9	18.2	18.2	74.4	74.4	5.3	5.2	9.3	15.2	5	4	71	73	825692	806949	<0.2	<0.2	1.6	2.2
						1.0	0.2	320	28.0		7.9		18.2		74.4		5.3		9.3		4		70				<0.2		1.4	
					Middle	6.3	0.6	336	27.6	27.6	7.9	7.9	21.4	21.4	72.4	72.4	5.1		15.4		4		73				<0.2		2.6	
						6.3	0.6	338	27.6		7.9		21.4		72.4		5.1		15.4		4		73				<0.2		2.7	
					Bottom	11.6	0.5	333	27.5	27.5	7.9	7.9	22.7	22.7	72.4	72.4	5.0	5.0	20.9		4		74				<0.2		2.6	
						11.6	0.5	340	27.5		7.9		22.7		72.4		5.0		20.9		5		75				<0.2		2.2	
C3	Sunny	Moderate	08:16	12.2	Surface	1.0	0.5	265	27.4	27.4	8.0	8.0	22.2	22.2	79.3	79.3	5.5	5.5	8.4	10.3	5	4	73	75	822133	817781	<0.2	<0.2	1.5	1.4
						1.0	0.5	275	27.4		8.0		22.2		79.3		5.5		8.4		3		73				<0.2		1.4	
					Middle	6.1	0.5	271	27.2	27.2	8.0	8.0	23.3	23.3	77.9	77.9	5.4		10.1		3		75				<0.2		1.4	
						6.1	0.5	284	27.2		8.0		23.3		77.9		5.4		10.1		4		74				<0.2		1.4	
					Bottom	11.2	0.6	276	27.0	27.0	8.0	8.0	25.6	25.6	82.1	82.1	5.7	5.7	12.4		5		76				<0.2		1.3	
						11.2	0.6	282	27.0		8.0		25.6		82.1		5.7		12.4		4		77				<0.2		1.3	
IM1	Fine	Moderate	09:59	5.8	Surface	1.0	0.3	-	27.4	27.4	8.0	8.0	24.4	24.4	76.0	76.0	5.2	5.2	17.3	28.0	18	25	71	73	817930	807129	<0.2	<0.2	1.1	1.1
						1.0	0.3	-	27.4		8.0		24.4		76.0		5.2		17.3		17		72				<0.2		1.1	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.2	11	27.3	27.3	8.0	8.0	25.4	25.4	75.8	75.9	5.2	5.2	39.3		32		75				<0.2		1.0	
						4.8	0.2	11	27.3		8.0		25.4		75.9		5.2		37.9		33		75				<0.2		1.1	
IM2	Fine	Moderate	10:07	8.3	Surface	1.0	0.5	13	27.6	27.6	8.0	8.0	22.5	22.5	79.9	79.9	5.6	5.4	10.8	33.0	3	26	72	74	818142	806150	<0.2	<0.2	1.0	1.0
						1.0	0.5	14	27.6		8.0		22.5		79.9		5.6		10.9		4		72				<0.2		1.2	
					Middle	4.2	0.5	18	27.3	27.3	8.0	8.0	25.5	25.5	75.7	75.8	5.2		28.4		34		75				<0.2		0.9	
						4.2	0.5	18	27.3		8.0		25.5		75.8		5.2		29.2		35		74				<0.2		0.9	
					Bottom	7.3	0.5	9	27.3	27.3	8.0	8.0	25.5	25.5	75.7	75.8	5.2	5.2	59.0		40		77				<0.2		0.8	
						7.3	0.5	9	27.3		8.0		25.5		75.9		5.2		59.7		37		76				<0.2		0.9	
IM3	Fine	Moderate	10:16	8.4	Surface	1.0	0.5	11	27.6	27.6	8.0	8.0	22.4	22.4	79.9	79.9	5.6	5.4	14.9	33.4	4	29	71	73	818765	805605	<0.2	<0.2	1.1	0.9
						1.0	0.6	11	27.6		8.0		22.4		79.9		5.6		15.2		2		71				<0.2		0.9	
					Middle	4.2	0.5	14	27.2	27.2	8.0	8.0	26.3	26.3	75.6	75.6	5.2		27.1		18		73				<0.2		1.0	
						4.2	0.5	14	27.2		8.0		26.3		75.6		5.2		27.1		16		73				<0.2		0.9	
					Bottom	7.4	0.4	16	27.2	27.2	8.0	8.0	26.4	26.4	76.0	76.4	5.2	5.3	58.0		68		75				<0.2		0.8	
						7.4	0.4	17	27.2		8.0		26.4		76.8		5.3		58.0		64		75				<0.2		0.7	
IM4	Fine	Moderate	10:24	8.6	Surface	1.0	0.6	14	28.1	28.1	8.0	8.0	21.6	21.6	81.0	81.0	5.6	5.5	12.8	37.8	4	28	71	73	819727	804583	<0.2	<0.2	1.3	1.1
						1.0	0.6	15	28.1		8.0		21.6		81.0		5.6		13.1		2		71				<0.2		1.2	
					Middle	4.3	0.6	14	27.2	27.2	8.0	8.0	26.4	26.4	76.6	76.6	5.3		36.8		12		73				<0.2		1.1	
						4.3	0.6	14	27.2		8.0		26.4		76.6		5.3		36.9		11		73				<0.2		1.3	
					Bottom	7.6	0.4	11	27.2	27.2	8.0	8.0	26.6	26.6	78.2	78.2	5.4	5.4	64.6		70		74				<0.2		0.8	
						7.6	0.4	11	27.2		8.0		26.6		78.2		5.4		62.8		71		75				<0.2		0.8	
IM5	Fine	Moderate	10:32	7.8	Surface	1.0	0.5	25	27.8	27.8	8.0	8.0	22.4	22.4	80.4	80.4	5.6	5.5	11.1	38.9	7	29	72	74	820745	804881	<0.2	<0.2	0.8	1.0
						1.0	0.5	26	27.8		8.0		22.4		80.4		5.6		11.2		5		73				<0.2		0.9	
					Middle	3.9	0.5	20	27.2	27.2	8.0	8.0	26.1	26.1	76.9	76.9	5.3		43.0		41		73				<0.2		1.1	
						3.9	0.5	21	27.2		8.0		26.1		76.9		5.3		42.6		39		73				<0.2		1.1	
					Bottom	6.8	0.4	13	27.2	27.2	8.0	8.0	26.4	26.4	78.4	78.5	5.4	5.4	63.0		42		75				<0.2		1.2	
						6.8	0.5	13	27.2		8.0		26.4		78.5		5.4		62.3		40		75				<0.2		1.1	
IM6	Fine	Moderate	10:39	8.0	Surface	1.0	0.7	17	27.6	27.6	8.0	8.0	23.7	23.7	78.3	78.3	5.4	5.4	11.7	17.1	9	10	71	73	821053	805840	<0.2	<0.2	1.1	1.0
						1.0	0.8	17	27.6		8.0		23.7		78.3		5.4		11.8		9		71				<0.2		1.1	
					Middle	4.0	0.7	10	27.4	27.4	8.0	8.0	24.4	24.4	76.7	76.7	5.3		16.5		10		72				<0.2		1.1	
						4.0	0.7	10	27.4		8.0		24.4		76.7		5.3		16.6		10		73				<0.2		0.9	
					Bottom	7.0	0.6	19	27.3	27.3	8.0	8.0	25.4	25.4	77.7	77.8	5.4	5.4	23.0		12		74				<0.2		1.0	
						7.0	0.6	19	27.3		8.0		25.4		77.9		5.4		22.9		12		75				<0.2		0.9	
IM7	Fine	Moderate	10:47	9.4	Surface	1.0	0.7	21	27.6	27.6	8.0	8.0	24.3	24.3	78.8	78.8	5.4	5.4	16.6	19.1	18	19	70	72	821338	806847	<0.2	<0.2	1.0	1.0
						1.0	0.8	22	27.6		8.0		24.3		78.8		5.4		16.5		18		71				<0.2		1.0	
					Middle	4.7	0.5	12	27.5	27.5	8.0	8.0	24.3	24.3	78.4	78.5	5.4		17.3		18		72				<0.2		1.0	
						4.7	0.5	12	27.5		8.0		24.3		78.5		5.4		17.3		18		72				<0.2		1.0	
					Bottom	8.4	0.4	18	27.4	27.4	8.0	8.0	24.6	24.5	79.1	79.2	5.5	5.5	23.7		20		74				<0.2		0.9	
						8.4	0.4	18	27.4		8.0		24.5		79.2		5.5		22.9		19		73				<0.2		1.2	
IM8	Sunny	Moderate	09:31	8.3	Surface	1.0	0.1	320	28.1	28.1	7.9	7.9	18.9	18.9	75.1	75.1	5.3	5.3	8.0	8.2	3	3	71	73	821841	808122	<0.2	<0.2	1.2	1.7
						1.0	0.1	332	28.1		7.9		18.9		75.1		5.3		8.0		2		71				<0.2		1.8	
					Middle	4.2	0.1	1	27.8	27.8	7.9	7.9	19.3	19.3	74.9	74.9	5.3		8.3		3		73				<0.2		1.9	
						4.2	0.1	1	27.8		7.9		19.3		74.9		5.3		8.3		4		72				<0.2		1.6	
					Bottom	7.3	0.1	52	27.8	27.8	7.9	7.9	19.4	19.4	80.4	80.4	5.7	5.7	8.3		4		74				<0.2		2.0	
						7.3	0.1	56	27.8		7.9		19.4		80.4		5.7		8.3		4		75				<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 17 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Sunny	Moderate	09:24	8.4	Surface	1.0	0.2	296	27.9	27.9	7.9	7.9	19.4	19.4	74.4	74.4	5.2	5.2	15.5	21.6	5	4	71	73	822079	808819	<0.2	<0.2	2.0	1.8
						1.0	0.2	320	27.9		7.9		19.4		74.4		5.2		15.5		4		71				<0.2		1.6	
					Middle	4.2	0.2	307	27.9	27.9	7.9	7.9	19.6	19.6	74.3	74.3	5.2		20.1		4		73				<0.2		1.8	
						4.2	0.2	334	27.9		7.9		19.6		74.3		5.2		20.1		4		73				<0.2		1.7	
					Bottom	7.4	0.2	301	27.8	27.8	7.9	7.9	19.6	19.6	75.6	75.6	5.3	5.3	29.1		4		74				<0.2		1.7	
						7.4	0.2	317	27.8		7.9		19.6		75.6		5.3		29.1		5		75				<0.2		1.8	
IM10	Sunny	Moderate	09:18	8.1	Surface	1.0	0.3	326	27.9	27.9	7.9	7.9	19.8	19.8	75.2	75.2	5.3	5.3	15.4	20.6	5	5	71	74	822395	809806	<0.2	<0.2	1.5	1.7
						1.0	0.4	353	27.9		7.9		19.8		75.2		5.3		15.4		4		71				<0.2		1.7	
					Middle	4.1	0.3	327	27.8	27.8	7.9	7.9	20.0	20.0	75.2	75.2	5.3		21.2		6		74				<0.2		1.6	
						4.1	0.3	354	27.8		7.9		20.0		75.2		5.3		21.2		5		73				<0.2		1.8	
					Bottom	7.1	0.2	288	27.8	27.8	7.9	7.9	20.3	20.3	78.2	78.2	5.5	5.5	25.2		5		77				<0.2		1.7	
						7.1	0.2	294	27.8		7.9		20.3		78.2		5.5		25.2		5		76				<0.2		1.6	
IM11	Sunny	Moderate	09:11	8.5	Surface	1.0	0.6	297	28.0	28.0	7.9	7.9	20.1	20.1	76.5	76.5	5.4	5.4	10.6	21.7	3	4	72	75	822066	811460	<0.2	<0.2	1.7	1.7
						1.0	0.6	313	28.0		7.9		20.1		76.5		5.4		10.6		4		73				<0.2		1.7	
					Middle	4.3	0.5	295	27.6	27.6	8.0	8.0	20.9	20.9	75.2	75.2	5.3		21.5		3		75				<0.2		1.7	
						4.3	0.6	307	27.6		8.0		20.9		75.2		5.3		21.5		3		74				<0.2		1.6	
					Bottom	7.5	0.3	301	27.6	27.6	8.0	8.0	21.1	21.1	76.1	76.1	5.3	5.3	33.0		4		77				<0.2		1.6	
						7.5	0.3	326	27.6		8.0		21.1		76.1		5.3		33.0		4		76				<0.2		1.6	
IM12	Sunny	Moderate	08:58	9.1	Surface	1.0	0.6	281	27.7	27.7	7.9	7.9	20.2	20.2	74.3	74.3	5.2	5.1	14.4	22.4	2	4	73	75	821430	812030	<0.2	<0.2	1.7	1.8
						1.0	0.6	299	27.7		7.9		20.2		74.3		5.2		14.4		4		72				<0.2		1.6	
					Middle	4.6	0.7	278	27.3	27.3	8.0	8.0	22.6	22.6	70.9	70.9	5.0		24.4		5		74				<0.2		1.8	
						4.6	0.8	301	27.3		8.0		22.6		70.9		5.0		24.4		5		75				<0.2		2.1	
					Bottom	8.1	0.6	270	27.1	27.1	8.0	8.0	24.2	24.2	71.6	71.6	5.0	5.0	28.3		3		76				<0.2		1.7	
						8.1	0.6	295	27.1		8.0		24.2		71.6		5.0		28.3		4		77				<0.2		1.6	
SR2	Sunny	Moderate	08:37	4.9	Surface	1.0	0.2	346	27.5	27.5	7.9	7.9	21.8	21.8	75.5	75.5	5.3	5.3	16.8	18.1	5	5	73	74	821454	814174	<0.2	<0.2	1.5	1.5
						1.0	0.3	318	27.5		7.9		21.8		75.5		5.3		16.8		4		72				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	342	27.3	27.3	7.9	7.9	22.6	22.6	78.2	78.2	5.5	5.5	19.4		4		76				<0.2		1.4	
						3.9	0.1	356	27.3		7.9		22.6		78.2		5.5		19.4		5		76				<0.2		1.4	
SR3	Sunny	Moderate	09:36	8.9	Surface	1.0	0.2	3	28.1	28.1	7.9	7.9	18.7	18.7	74.9	74.9	5.3	5.3	7.9	8.1	4	4	-	-	822151	807585	-	-	-	-
						1.0	0.3	3	28.1		7.9		18.7		74.8		5.3		7.9		3		-				-		-	
					Middle	4.5	0.2	322	27.9	27.9	7.9	7.9	19.3	19.3	73.8	73.8	5.2		7.9		3		-				-		-	
						4.5	0.2	353	27.9		7.9		19.3		73.8		5.2		7.9		4		-				-		-	
					Bottom	7.9	0.1	23	27.7	27.7	7.9	7.9	19.7	19.7	75.2	75.8	5.3	5.4	8.6		5		-				-		-	
						7.9	0.1	23	27.7		7.9		19.7		76.3		5.4		8.5		5		-				-		-	
SR4A	Fine	Calm	09:14	9.5	Surface	1.0	0.4	260	27.4	27.4	7.9	7.9	22.8	22.8	75.5	75.5	5.3	5.3	10.3	13.2	4	5	-	-	817205	807787	-	-	-	-
						1.0	0.4	279	27.4		7.9		22.8		75.5		5.3		10.3		4		-				-		-	
					Middle	4.8	0.3	251	27.4	27.4	8.0	8.0	23.3	23.2	74.0	74.1	5.2		12.0		4		-				-		-	
						4.8	0.3	257	27.4		8.0		23.2		74.1		5.2		12.0		4		-				-		-	
					Bottom	8.5	0.2	243	27.4	27.4	8.0	8.0	24.2	24.2	74.6	74.8	5.2	5.2	17.4		7		-				-		-	
						8.5	0.2	254	27.4		8.0		24.2		74.9		5.2		17.4		9		-				-		-	
SR5A	Fine	Calm	08:59	4.3	Surface	1.0	0.3	294	27.4	27.4	7.9	7.9	22.4	22.4	77.3	77.3	5.4	5.4	12.6	13.3	5	7	-	-	816613	810694	-	-	-	-
						1.0	0.3	297	27.4		7.9		22.4		77.2		5.4		12.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	309	27.4	27.4	7.9	7.9	22.5	22.5	77.2	77.4	5.4	5.4	14.0		9		-				-		-	
						3.3	0.2	309	27.4		7.9		22.5		77.6		5.4		13.9		8		-				-		-	
SR6	Fine	Calm	08:36	4.6	Surface	1.0	0.2	252	27.5	27.5	7.9	7.9	22.0	22.0	74.0	74.0	5.2	5.2	10.4	11.9	6	6	-	-	817891	814640	-	-	-	-
						1.0	0.2	256	27.5		7.9		22.0		73.9		5.2		10.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	262	27.4	27.4	7.9	7.9	22.6	22.6	71.7	71.9	5.0	5.0	13.7		6		-				-		-	
						3.6	0.1	276	27.4		7.9		22.6		72.1		5.0		13.1		5		-				-		-	
SR7	Sunny	Moderate	07:45	16.5	Surface	1.0	0.2	230	27.2	27.2	7.9	7.9	22.9	22.9	78.3	78.3	5.5	5.4	7.9	8.0	4	5	-	-	823629	823735	-	-	-	-
						1.0	0.2	251	27.2		7.9		22.9		78.3		5.5		7.9		5		-				-		-	
					Middle	8.3	0.2	215	27.1	27.1	7.9	7.9	24.0	24.0	75.9	75.9	5.3		8.0		5		-				-		-	
						8.3	0.2	230	27.1		7.9		24.0		75.9		5.3		8.0		5		-				-		-	
					Bottom	15.5	0.2	203	26.9	26.9	7.9	7.9	25.4	25.4	76.2	76.2	5.3	5.3	8.2		4		-				-		-	
						15.5	0.2	205	26.9		7.9		25.4		76.2		5.3		8.2		4		-				-		-	
SR8	Sunny	Moderate	08:48	4.6	Surface	1.0	-	-	27.8	27.8	7.9	7.9	19.7	19.7	78.2	78.2	5.5	5.5	7.8	8.9	4	6	-	-	820246	811418	-	-	-	-
						1.0	-	-	27.8		7.9		19.7		78.2		5.5		7.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	27.5	27.5	8.0	8.0	21.3	21.3	79.5	79.5	5.6	5.6	9.9		6		-				-		-	
						3.6	-	-	27.5		8.0		21.3		79.5		5.6		9.9		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 July 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	Moderate	17:36	9.2	Surface	1.0	0.1	15	27.8	27.8	8.1	8.1	27.4	27.4	93.0	93.0	6.3	6.1	7.4	11.2	4	7	78	80	815644	804241	<0.2	<0.2	1.8	1.7
						1.0	0.1	16	27.8		8.1		27.4		92.9		6.3		7.4		6		78				<0.2		1.7	
					Middle	4.6	0.1	96	27.5	27.5	8.1	8.1	28.6	28.6	88.3	88.3	5.9		11.1		6		80				<0.2		1.7	
						4.6	0.1	101	27.5		8.1		28.6		88.3		5.9		11.2		8		80				<0.2		1.7	
					Bottom	8.2	0.1	13	27.5	27.5	8.1	8.1	29.0	29.0	88.8	88.9	6.0	6.0	15.1		8		83				<0.2		1.8	
						8.2	0.1	13	27.5		8.1		29.0		88.9		6.0		15.1		7		83				<0.2		1.6	
C2	Cloudy	Moderate	16:24	12.1	Surface	1.0	0.1	69	28.3	28.3	8.0	8.0	21.8	21.8	90.6	90.7	6.3	6.2	8.6	9.5	5	6	80	81	825672	806973	<0.2	<0.2	1.6	1.7
						1.0	0.1	72	28.3		8.0		21.8		90.7		6.3		8.7		5		80				<0.2		1.6	
					Middle	6.1	0.3	94	28.0	28.0	8.1	8.1	25.2	25.2	89.4	89.4	6.1		9.1		5		81				<0.2		1.8	
						6.1	0.3	97	28.0		8.1		25.2		89.4		6.1		9.0		6		81				<0.2		1.6	
					Bottom	11.1	0.4	151	27.8	27.8	8.1	8.1	26.1	26.1	90.9	91.1	6.2	6.2	10.8		7		83				<0.2		1.8	
						11.1	0.4	159	27.8		8.1		26.1		91.2		6.2		10.8		6		83				<0.2		1.6	
C3	Rainy	Moderate	18:12	11.6	Surface	1.0	0.2	105	27.8	27.8	8.1	8.1	27.6	27.6	92.4	92.1	6.2	6.0	8.8	13.5	7	8	78	81	822114	817791	<0.2	<0.2	1.7	1.7
						1.0	0.2	107	27.8		8.1		27.6		91.8		6.2		9.0		6		78				<0.2		1.7	
					Middle	5.8	0.3	95	27.5	27.5	8.1	8.1	29.0	29.0	86.6	86.7	5.8		12.2		8		82				<0.2		1.8	
						5.8	0.3	102	27.5		8.1		29.0		86.8		5.8		12.6		8		83				<0.2		1.7	
					Bottom	10.6	0.2	66	27.5	27.5	8.1	8.1	29.3	29.3	88.6	88.7	5.9	6.0	19.1		9		83				<0.2		1.6	
						10.6	0.2	67	27.5		8.1		29.3		88.7		6.0		19.3		8		83				<0.2		1.7	
IM1	Rainy	Moderate	17:17	5.1	Surface	1.0	0.1	320	27.6	27.6	8.1	8.1	27.3	27.3	85.6	85.6	5.8	5.8	20.6	22.0	14	15	78	80	817940	807106	<0.2	<0.2	1.7	1.7
						1.0	0.1	328	27.6		8.1		27.3		85.6		5.8		20.7		12		78				<0.2		1.7	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	124	27.5	27.5	8.1	8.1	27.7	27.7	87.0	87.6	5.9	6.0	23.2		16		81				<0.2		1.6	
						4.1	0.1	132	27.5		8.1		27.6		88.1		6.0		23.4		17		82				<0.2		1.7	
IM2	Cloudy	Moderate	17:09	8.0	Surface	1.0	0.2	308	27.9	27.9	8.1	8.1	26.6	26.6	91.8	91.7	6.2	6.1	9.2	15.4	8	9	79	81	818146	806153	<0.2	<0.2	1.7	1.6
						1.0	0.2	325	27.9		8.1		26.6		91.5		6.2		9.4		9		79				<0.2		1.5	
					Middle	4.0	0.1	69	27.7	27.7	8.1	8.1	27.6	27.5	88.7	88.7	6.0		13.6		8		81				<0.2		1.8	
						4.0	0.2	72	27.7		8.1		27.5		88.7		6.0		13.6		10		81				<0.2		1.6	
					Bottom	7.0	0.1	80	27.5	27.5	8.1	8.1	28.1	28.1	88.5	88.8	6.0	6.0	23.4		10		82				<0.2		1.6	
						7.0	0.1	82	27.5		8.1		28.1		89.1		6.0		22.9		9		82				<0.2		1.5	
IM3	Cloudy	Moderate	17:00	8.3	Surface	1.0	0.3	298	28.0	28.0	8.1	8.1	25.8	25.8	94.6	94.6	6.4	6.3	7.1	9.8	5	6	78	81	818784	805587	<0.2	<0.2	1.7	1.7
						1.0	0.3	299	28.0		8.1		25.8		94.5		6.4		7.1		5		79				<0.2		1.6	
					Middle	4.2	0.2	77	27.9	27.9	8.1	8.1	26.3	26.3	91.0	90.9	6.2		8.9		5		80				<0.2		1.7	
						4.2	0.2	82	27.9		8.1		26.3		90.8		6.2		9.1		5		81				<0.2		1.7	
					Bottom	7.3	0.2	44	27.5	27.5	8.1	8.1	28.0	28.0	88.9	88.9	6.0	6.0	13.2		7		82				<0.2		1.7	
						7.3	0.2	44	27.5		8.1		28.0		88.9		6.0		13.3		6		83				<0.2		1.6	
IM4	Cloudy	Moderate	16:49	8.0	Surface	1.0	0.2	281	28.0	28.0	8.1	8.1	24.2	24.2	94.7	94.6	6.5	6.3	6.8	10.0	5	6	78	80	819708	804602	<0.2	<0.2	1.7	1.7
						1.0	0.2	305	28.0		8.1		24.2		94.4		6.5		7.0		5		79				<0.2		1.7	
					Middle	4.0	0.2	40	27.7	27.7	8.1	8.1	25.9	25.9	89.6	89.5	6.1		9.7		5		80				<0.2		1.6	
						4.0	0.2	42	27.7		8.1		26.0		89.4		6.1		9.9		6		80				<0.2		1.6	
					Bottom	7.0	0.1	39	27.5	27.5	8.1	8.1	28.0	28.0	90.0	90.1	6.1	6.1	13.3		6		82				<0.2		1.6	
						7.0	0.2	42	27.5		8.1		28.0		90.2		6.1		13.3		7		83				<0.2		1.8	
IM5	Cloudy	Moderate	16:39	7.7	Surface	1.0	0.1	36	27.8	27.8	8.1	8.1	26.7	26.7	86.8	86.8	5.9	5.9	15.3	21.3	6	7	78	81	820761	804846	<0.2	<0.2	1.6	1.7
						1.0	0.1	39	27.8		8.1		26.8		86.8		5.9		15.4		6		79				<0.2		1.7	
					Middle	3.9	0.1	16	27.5	27.5	8.1	8.1	27.6	27.6	85.8	85.8	5.8		22.8		7		81				<0.2		1.7	
						3.9	0.1	16	27.5		8.1		27.6		85.8		5.8		22.9		6		81				<0.2		1.7	
					Bottom	6.7	0.2	74	27.5	27.5	8.1	8.1	27.7	27.7	88.5	88.6	6.0	6.0	25.7		8		83				<0.2		1.7	
						6.7	0.2	81	27.5		8.1		27.7		88.7		6.0		25.8		9		83				<0.2		1.7	
IM6	Cloudy	Moderate	16:31	7.5	Surface	1.0	0.1	355	27.9	27.9	8.1	8.1	24.6	24.6	87.3	87.2	6.0	5.9	12.9	17.8	9	9	78	81	821081	805813	<0.2	<0.2	1.6	1.7
						1.0	0.1	359	27.9		8.1		24.6		87.1		6.0		13.1		7		79				<0.2		1.8	
					Middle	3.8	0.1	62	27.6	27.6	8.1	8.1	26.2	26.2	84.5	84.5	5.8		17.5		9		81				<0.2		1.7	
						3.8	0.1	64	27.6		8.1		26.2		84.5		5.8		17.8		9		81				<0.2		1.8	
					Bottom	6.5	0.2	84	27.5	27.5	8.1	8.1	27.2	27.2	85.9	86.0	5.8	5.8	22.9		9		82				<0.2		1.8	
						6.5	0.2	88	27.5		8.1		27.2		86.0		5.8		22.8		10		82				<0.2		1.7	
IM7	Cloudy	Moderate	16:23	8.8	Surface	1.0	0.1	300	28.3	28.3	8.0	8.0	21.2	21.2	90.9	90.9	6.3	6.2	7.2	8.0	5	5	79	81	821346	806858	<0.2	<0.2	1.8	1.8
						1.0	0.1	317	28.3		8.0		21.2		90.9		6.3		7.3		4		78				<0.2		1.8	
					Middle	4.4	0.2	20	27.8	27.8	8.1	8.1	25.6	25.6	89.0	89.0	6.1		8.4		5		80				<0.2		1.8	
						4.4	0.2	21	27.8		8.1		25.6		88.9		6.1		8.4		4		80				<0.2		1.7	
					Bottom	7.8	0.3	34	27.8	27.8	8.1	8.1	26.0	26.0	89.3	89.4	6.1	6.1	8.4		4		83				<0.2		1.8	
						7.8	0.3	34	27.8		8.1		26.0		89.4		6.1		8.3		6		83				<0.2		1.7	
IM8	Cloudy	Moderate	16:53	8.6	Surface	1.0	0.3	144	28.0	28.0	8.1	8.1	23.9	23.9	88.2	88.1	6.0	5.9	13.6	21.3	3	4	79	81	821833	808163	<0.2	<0.2	1.7	1.8
						1.0	0.3	144	28.0		8.1		23.9		87.9		6.0		13.9		3		80				<0.2		1.8	
					Middle	4.3	0.2	75	27.5	27.5	8.1	8.1	27.8	27.8	84.5	84.5	5.7		23.2		3		80				<0.2		1.7	
						4.3	0.2	79	27.5		8.1		27.8		84.5		5.7		23.3		4		80				<0.2		1.8	
					Bottom	7.6	0.4	83	27.5	27.5	8.1	8.1	28.0	28.0	86.3	86.4	5.8	5.8	27.1		5		82				<0.2		1.7	
						7.6	0.4	87	27.5		8.1		28.0		86.4		5.8		26.9		3		83				<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 19 July 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	16:59	7.5	Surface	1.0	0.4	119	28.0	28.0	8.1	8.1	24.4	24.4	92.6	92.4	6.3	6.1	9.2	14.3	2	3	80	82	822095	808815	<0.2	<0.2	1.8	1.8
						1.0	0.4	129	28.0		8.1		24.4		92.1		6.3		9.5		2		80				<0.2		1.7	
					Middle	3.8	0.3	94	27.6	27.5	8.1	8.1	27.0	27.0	85.1	85.1	5.8		15.3		3		83				<0.2		1.7	
						3.8	0.3	99	27.5		8.1		27.0		85.0		5.8		15.5		3		81				<0.2		1.8	
					Bottom	6.5	0.4	72	27.5	27.5	8.1	8.1	28.2	28.2	85.7	85.8	5.8	5.8	18.1		4		82				<0.2		1.8	
						6.5	0.5	78	27.5		8.1		28.2		85.8		5.8		17.9		5		83				<0.2		1.7	
IM10	Cloudy	Moderate	17:08	7.3	Surface	1.0	0.5	115	28.0	28.0	8.2	8.2	26.0	26.0	93.7	93.6	6.3	6.1	8.8	11.6	3	6	80	81	822382	809806	<0.2	<0.2	1.7	1.7
						1.0	0.5	122	28.0		8.2		26.0		93.4		6.3		8.8		5		79				<0.2		1.7	
					Middle	3.7	0.4	104	27.8	27.8	8.2	8.2	27.4	27.5	88.2	88.2	6.0		11.9		6		81				<0.2		1.6	
						3.7	0.4	110	27.8		8.2		27.5		88.1		5.9		11.8		7		81				<0.2		1.7	
					Bottom	6.3	0.3	90	27.5	27.5	8.1	8.1	28.1	28.1	87.7	87.8	5.9	5.9	14.1		7		82				<0.2		1.6	
						6.3	0.3	96	27.5		8.1		28.1		87.8		5.9		14.0		8		82				<0.2		1.7	
IM11	Rainy	Moderate	17:23	8.1	Surface	1.0	0.4	124	28.0	28.0	8.2	8.2	26.0	26.0	94.7	94.7	6.4	6.2	8.7	13.0	6	7	80	82	822078	811484	<0.2	<0.2	1.8	1.7
						1.0	0.5	130	28.0		8.2		26.0		94.6		6.4		8.8		6		80				<0.2		1.6	
					Middle	4.1	0.5	112	27.9	27.9	8.1	8.1	26.7	26.6	88.8	88.6	6.0		12.4		7		82				<0.2		1.8	
						4.1	0.5	117	27.9		8.1		26.5		88.3		6.0		13.0		6		83				<0.2		1.7	
					Bottom	7.1	0.4	118	27.5	27.5	8.1	8.1	28.2	28.2	87.8	87.9	5.9	5.9	17.7		7		83				<0.2		1.6	
						7.1	0.4	118	27.5		8.1		28.2		88.0		5.9		17.5		8		83				<0.2		1.7	
IM12	Rainy	Moderate	17:31	8.7	Surface	1.0	0.5	108	27.9	27.9	8.1	8.1	26.8	26.8	92.0	92.0	6.2	6.1	10.2	14.4	9	11	81	82	821479	812032	<0.2	<0.2	1.7	1.6
						1.0	0.5	116	27.9		8.1		26.8		91.9		6.2		9.9		10		80				<0.2		1.6	
					Middle	4.4	0.4	101	27.8	27.8	8.1	8.1	27.3	27.3	89.4	89.4	6.0		12.2		12		81				<0.2		1.6	
						4.4	0.4	107	27.8		8.1		27.3		89.4		6.0		12.3		11		81				<0.2		1.6	
					Bottom	7.7	0.3	88	27.5	27.5	8.1	8.1	28.4	28.4	88.1	88.2	5.9	6.0	21.0		11		83				<0.2		1.6	
						7.7	0.3	93	27.5		8.1		28.4		88.2		6.0		20.9		12		84				<0.2		1.6	
SR2	Rainy	Moderate	17:57	4.4	Surface	1.0	0.6	101	27.7	27.7	8.1	8.1	27.2	27.2	85.4	85.3	5.8	5.8	16.3	17.3	11	11	80	82	821484	814188	<0.2	<0.2	1.7	1.7
						1.0	0.6	108	27.7		8.1		27.3		85.1		5.8		16.5		11		80				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.4	109	27.5	27.5	8.1	8.1	27.7	27.7	85.2	85.3	5.8	5.8	18.3		12		83				<0.2		1.7	
						3.4	0.4	110	27.5		8.1		27.7		85.3		5.8		18.2		11		83				<0.2		1.7	
SR3	Cloudy	Moderate	16:47	9.5	Surface	1.0	0.3	124	27.9	27.9	8.1	8.1	24.8	24.8	88.0	88.0	6.0	5.9	11.6	15.0	12	12	-	-	822139	807568	-	-	-	-
						1.0	0.3	125	27.9		8.1		24.8		87.9		6.0		11.6		10		-				-		-	
					Middle	4.8	0.3	67	27.6	27.6	8.1	8.1	26.5	26.5	84.7	84.7	5.8		13.8		11		-				-		-	
						4.8	0.3	70	27.6		8.1		26.5		84.7		5.8		13.8		12		-				-		-	
					Bottom	8.5	0.3	82	27.5	27.5	8.1	8.1	27.4	27.4	82.9	83.0	5.6	5.6	19.4		12		-				-		-	
						8.5	0.3	84	27.5		8.1		27.4		83.0		5.6		19.5		14		-				-		-	
SR4A	Rainy	Calm	17:56	8.6	Surface	1.0	0.2	60	28.2	28.2	8.1	8.1	25.3	25.3	89.1	89.0	6.0	5.9	17.8	22.5	11	11	-	-	817212	807792	-	-	-	-
						1.0	0.2	62	28.2		8.1		25.3		88.8		6.0		18.3		10		-				-		-	
					Middle	4.3	0.3	64	27.6	27.6	8.1	8.1	27.1	27.1	84.6	84.6	5.7		22.4		11		-				-		-	
						4.3	0.3	66	27.6		8.1		27.1		84.6		5.7		22.7		11		-				-		-	
					Bottom	7.6	0.1	51	27.6	27.6	8.1	8.1	27.2	27.2	86.9	87.3	5.9	5.9	27.3		11		-				-		-	
						7.6	0.1	53	27.6		8.1		27.2		87.6		5.9		26.5		12		-				-		-	
SR5A	Rainy	Moderate	18:15	5.6	Surface	1.0	0.0	74	28.2	28.2	8.0	8.0	23.5	23.5	94.8	94.8	6.5	6.5	9.1	9.5	9	10	-	-	816607	810712	-	-	-	-
						1.0	0.0	75	28.2		8.0		23.5		94.7		6.5		9.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	95	28.1	28.1	8.0	8.0	24.0	24.0	95.4	95.5	6.5	6.5	9.8		11		-				-		-	
						4.6	0.1	99	28.1		8.0		24.0		95.5		6.5		9.8		10		-				-		-	
SR6	Rainy	Calm	19:02	4.3	Surface	1.0	0.0	56	28.1	28.1	8.0	8.0	22.6	22.6	89.6	89.6	6.2	6.2	9.8	10.7	13	15	-	-	817902	814664	-	-	-	-
						1.0	0.0	58	28.1		8.0		22.7		89.5		6.2		9.9		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	62	28.0	28.0	8.0	8.0	22.9	22.9	90.4	91.0	6.2	6.3	11.4		16		-				-		-	
						3.3	0.0	67	28.0		8.0		22.9		91.6		6.3		11.5		14		-				-		-	
SR7	Rainy	Moderate	18:41	18.7	Surface	1.0	0.6	77	28.0	28.0	8.1	8.1	26.3	26.2	89.2	89.1	6.0	5.9	13.3	20.8	7	7	-	-	823632	823731	-	-	-	-
						1.0	0.6	79	28.0		8.1		26.2		89.0		6.0		13.4		6		-				-		-	
					Middle	9.4	0.3	35	27.6	27.6	8.1	8.1	27.4	27.4	83.7	83.7	5.7		22.1		8		-				-		-	
						9.4	0.3	35	27.6		8.1		27.4		83.7		5.7		22.4		6		-				-		-	
					Bottom	17.7	0.2	29	27.5	27.5	8.1	8.1	27.5	27.5	85.0	85.1	5.8	5.8	26.7		8		-				-		-	
						17.7	0.2	29	27.5		8.1		27.5		85.2		5.8		26.7		7		-				-		-	
SR8	Rainy	Moderate	17:38	4.1	Surface	1.0	-	-	27.7	27.7	8.1	8.1	27.2	27.2	86.7	86.7	5.9	5.9	16.3	18.2	6	7	-	-	820246	811418	-	-	-	-
						1.0	-	-	27.7		8.1		27.2		86.7		5.9		16.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	27.5	27.5	8.1	8.1	27.8	27.8	88.4	88.5	6.0	6.0	20.1		7		-				-		-	
						3.1	-	-	27.5		8.1		27.8		88.6		6.0		20.1		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**

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Water Quality Monitoring
Water Quality Monitoring Results on 19 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Rainy	Moderate	11:33	8.9	Surface	1.0	0.2	43	27.7	27.7	8.1	8.1	25.5	25.5	91.4	91.1	6.2	6.0	8.2	14.4	6	6	78	80	815600	804241	<0.2	<0.2	1.9	1.8
						1.0	0.2	43	27.7		8.1		25.5		90.8		6.2		8.8		5		78				<0.2		1.8	
					Middle	4.5	0.4	48	27.5	27.5	8.1	8.1	27.9	27.9	84.6	84.8	5.7		14.3		6		80				<0.2		1.8	
						4.5	0.4	49	27.5		8.1		27.9		84.9		5.7		14.5		5		80				<0.2		1.7	
					Bottom	7.9	0.4	54	27.5	27.5	8.1	8.1	28.0	28.0	85.9	86.6	5.8	5.9	20.2		6		82				<0.2		1.7	
						7.9	0.5	56	27.5		8.1		28.0		87.2		5.9		20.6		7		83				<0.2		1.6	
C2	Cloudy	Moderate	12:43	11.6	Surface	1.0	0.2	356	27.9	27.9	8.0	8.0	13.4	13.4	84.9	84.9	5.8	5.7	5.5	7.5	5	6	80	82	825706	806918	<0.2	<0.2	1.7	1.9
						1.0	0.2	328	27.9		8.0		13.4		84.8		5.8		5.8		6		81				<0.2		1.6	
					Middle	5.8	0.6	340	27.5	27.5	8.1	8.1	17.6	17.6	81.7	81.7	5.5		6.2		6		82				<0.2		1.9	
						5.8	0.6	354	27.5		8.1		17.6		81.7		5.5		6.4		7		83				<0.2		1.9	
					Bottom	10.6	0.5	338	27.5	27.5	8.1	8.1	25.6	25.6	83.5	83.5	5.7	5.7	10.8		7		83				<0.2		1.9	
						10.6	0.5	311	27.5		8.1		25.6		83.5		5.7		10.3		7		83				<0.2		2.1	
C3	Cloudy	Moderate	10:37	11.2	Surface	1.0	0.5	255	27.8	27.8	8.0	8.0	23.9	23.9	84.7	84.7	5.8	5.9	12.3	13.5	6	7	78	80	822116	817825	<0.2	<0.2	1.6	1.9
						1.0	0.5	277	27.8		8.0		23.9		84.7		5.8		12.2		7		78				<0.2		2.0	
					Middle	5.6	0.5	283	27.8	27.8	8.0	8.0	23.9	23.9	85.1	85.1	5.9		13.3		8		80				<0.2		2.0	
						5.6	0.6	308	27.8		8.0		23.9		85.1		5.9		13.4		7		80				<0.2		2.2	
					Bottom	10.2	0.5	277	27.7	27.7	8.0	8.0	24.0	24.0	85.9	86.0	5.9	5.9	15.0		7		83				<0.2		2.0	
						10.2	0.6	279	27.7		8.0		24.0		86.1		5.9		15.0		9		82				<0.2		1.8	
IM1	Cloudy	Moderate	11:55	5.6	Surface	1.0	0.2	2	27.7	27.7	8.1	8.1	26.6	26.6	86.0	86.0	5.8	5.8	15.7	19.2	6	7	78	79	817944	807116	<0.2	<0.2	2.1	2.1
						1.0	0.2	2	27.7		8.1		26.6		86.0		5.8		15.8		7		78				<0.2		2.1	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	7	27.5	27.5	8.0	8.0	27.4	27.4	87.3	87.4	5.9	5.9	22.5		8		80				<0.2		1.9	
						4.6	0.1	7	27.5		8.0		27.4		87.4		5.9		22.6		6		81				<0.2		2.2	
IM2	Cloudy	Moderate	12:01	8.0	Surface	1.0	0.4	11	27.8	27.8	8.1	8.1	25.1	25.1	87.4	87.4	6.0	5.9	8.3	13.3	4	4	79	81	818179	806145	<0.2	<0.2	2.0	2.2
						1.0	0.4	11	27.8		8.1		25.1		87.3		6.0		8.4		4		80				<0.2		2.5	
					Middle	4.0	0.4	0	27.6	27.6	8.1	8.1	26.4	26.4	84.5	84.5	5.8		14.1		4		81				<0.2		2.0	
						4.0	0.4	0	27.6		8.1		26.4		84.5		5.8		14.3		4		81				<0.2		2.3	
					Bottom	7.0	0.4	349	27.5	27.5	8.1	8.1	27.5	27.5	86.9	87.0	5.9	5.9	17.1		5		82				<0.2		2.3	
						7.0	0.4	321	27.5		8.1		27.5		87.0		5.9		17.7		5		82				<0.2		2.1	
IM3	Cloudy	Moderate	12:07	8.2	Surface	1.0	0.3	2	27.8	27.8	8.1	8.1	24.2	24.2	87.1	87.1	6.0	5.9	9.5	16.2	2	4	79	81	818772	805619	<0.2	<0.2	2.0	2.1
						1.0	0.3	2	27.8		8.1		24.2		87.1		6.0		9.6		3		79				<0.2		2.1	
					Middle	4.1	0.5	15	27.5	27.5	8.1	8.1	26.8	26.7	83.9	84.0	5.7		18.6		4		80				<0.2		2.2	
						4.1	0.5	15	27.5		8.1		26.7		84.0		5.7		18.5		4		80				<0.2		2.0	
					Bottom	7.2	0.3	2	27.5	27.5	8.1	8.1	27.6	27.6	84.6	84.7	5.7	5.7	20.5		4		83				<0.2		2.3	
						7.2	0.3	2	27.5		8.1		27.6		84.7		5.7		20.7		4		83				<0.2		2.0	
IM4	Cloudy	Moderate	12:18	7.9	Surface	1.0	0.3	334	27.9	27.9	8.1	8.1	23.3	23.3	88.7	88.7	6.1	6.1	8.8	16.2	6	5	78	80	819695	804581	<0.2	<0.2	1.9	1.9
						1.0	0.3	337	27.9		8.1		23.3		88.6		6.1		8.9		4		78				<0.2		2.0	
					Middle	4.0	0.4	6	27.8	27.8	8.1	8.1	23.6	23.6	86.5	86.5	6.0		20.4		4		80				<0.2		2.0	
						4.0	0.4	6	27.8		8.1		23.6		86.4		6.0		20.8		6		80				<0.2		1.9	
					Bottom	6.9	0.3	7	27.5	27.5	8.1	8.1	27.5	27.5	85.8	86.1	5.8	5.9	18.9		6		82				<0.2		1.8	
						6.9	0.3	7	27.5		8.1		27.5		86.4		5.9		19.5		6		82				<0.2		1.8	
IM5	Cloudy	Moderate	12:26	7.1	Surface	1.0	0.4	31	27.9	27.9	8.1	8.1	23.2	23.2	86.9	86.9	6.0	5.8	11.6	14.9	4	5	78	80	820752	804882	<0.2	<0.2	2.0	2.0
						1.0	0.4	32	27.9		8.1		23.2		86.8		6.0		11.8		4		79				<0.2		1.8	
					Middle	3.6	0.3	38	27.5	27.5	8.1	8.1	27.3	27.3	82.6	82.6	5.6		14.4		4		80				<0.2		1.8	
						3.6	0.3	39	27.5		8.1		27.3		82.6		5.6		14.6		6		80				<0.2		2.0	
					Bottom	6.1	0.3	23	27.5	27.5	8.1	8.1	27.4	27.4	83.5	83.5	5.7	5.7	18.3		4		82				<0.2		2.2	
						6.1	0.3	24	27.5		8.1		27.4		83.5		5.7		18.4		6		83				<0.2		2.1	
IM6	Cloudy	Moderate	12:36	7.5	Surface	1.0	0.3	358	27.9	27.9	8.1	8.1	24.1	24.1	85.9	85.8	5.9	5.8	11.8	15.9	5	5	78	80	821061	805805	<0.2	<0.2	1.7	1.7
						1.0	0.3	329	27.9		8.1		24.2		85.6		5.9		11.2		4		79				<0.2		1.3	
					Middle	3.8	0.3	359	27.7	27.7	8.1	8.1	24.8	24.8	82.7	82.6	5.7		15.9		5		80				<0.2		1.9	
						3.8	0.3	330	27.7		8.1		24.8		82.4		5.7		15.9		6		81				<0.2		1.6	
					Bottom	6.5	0.3	6	27.6	27.6	8.0	8.0	25.7	25.7	82.1	82.2	5.6	5.6	20.3		6		82				<0.2		1.8	
						6.5	0.3	6	27.6		8.0		25.7		82.2		5.6		20.4		6		82				<0.2		1.9	
IM7	Rainy	Moderate	12:43	8.9	Surface	1.0	0.2	49	28.2	28.2	8.0	8.0	20.9	20.9	88.2	88.2	6.1	6.1	7.8	15.5	4	6	79	81	821367	806830	<0.2	<0.2	1.7	1.7
						1.0	0.2	51	28.2		8.0		20.9		88.2		6.1		7.9		6		79				<0.2		1.8	
					Middle	4.5	0.3	43	27.9	27.9	8.1	8.1	24.3	24.3	87.1	87.1	6.0		12.1		6		80				<0.2		1.8	
						4.5	0.3	46	27.9		8.1		24.3		87.0		6.0		12.3		5		80				<0.2		1.7	
					Bottom	7.9	0.3	53	27.6	27.6	8.1	8.1	26.4	26.4	85.4	85.5	5.8	5.8	26.4		8		82				<0.2		1.7	
						7.9	0.3	55	27.6		8.1		26.4		85.6		5.8		26.4		6		83				<0.2		1.6	
IM8	Cloudy	Moderate	12:10	8.3	Surface	1.0	0.2	317	27.8	27.8	8.1	8.1	24.4	24.4	86.7	86.7	6.0	5.9	10.4	13.6	6	6	79	82	821808	808112	<0.2	<0.2	1.8	1.8
						1.0	0.2	321	27.8		8.1		24.4		86.7		6.0		10.5		4		80				<0.2		1.9	
					Middle	4.2	0.1	10	27.6	27.6	8.1	8.1	25.1	25.1	84.3	84.3	5.8		12.3		5		82				<0.2		1.8	
						4.2	0.1	10	27.6		8.1		25.1		84.2		5.8		12.5		6		83				<0.2		1.7	
					Bottom	7.3	0.1	65	27.5	27.5	8.1	8.1	27.6	27.6	83.5	83.5	5.7	5.7	17.9		7		83				<0.2		1.9	
						7.3	0.1	65	27.5		8.1		27.6		83.5		5.7		17.7		6		83				<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 19 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	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)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:59	7.2	Surface	1.0	0.2	287	27.8	27.8	8.0	8.0	24.4	24.4	87.8	87.8	6.0	6.0	9.1	11.3	6	6	78	81	822075	808781	<0.2	<0.2	1.6	1.8
						1.0	0.2	301	27.8		8.0		24.4		87.8		6.0		9.1		4		78				<0.2		1.6	
					Middle	3.6	0.2	314	27.7	27.7	8.0	8.0	24.6	24.6	86.0	85.9	5.9		11.8		5		80				<0.2		1.9	
						3.6	0.2	342	27.7		8.0		24.6		85.8		5.9		11.4		6		81				<0.2		1.9	
					Bottom	6.2	0.2	319	27.5	27.5	8.1	8.1	27.7	27.7	84.3	84.4	5.7	5.7	13.2		6		83				<0.2		1.9	
						6.2	0.2	328	27.5		8.1		27.7		84.4		5.7		13.3		7		83				<0.2		1.8	
IM10	Cloudy	Moderate	11:50	7.3	Surface	1.0	0.3	332	27.7	27.7	8.2	8.2	25.6	25.6	89.2	89.1	6.1	5.9	10.3	16.9	4	5	80	81	822376	809815	<0.2	<0.2	1.7	1.7
						1.0	0.4	345	27.7		8.2		25.6		89.0		6.1		10.8		5		80				<0.2		1.7	
					Middle	3.7	0.3	325	27.5	27.5	8.2	8.2	27.9	27.9	84.6	84.6	5.7		19.6		6		81				<0.2		1.6	
						3.7	0.3	336	27.5		8.2		27.9		84.6		5.7		19.7		4		80				<0.2		1.7	
					Bottom	6.3	0.2	295	27.5	27.5	8.1	8.1	28.1	28.1	86.9	87.1	5.9	5.9	20.3		6		82				<0.2		1.6	
						6.3	0.2	319	27.5		8.1		28.1		87.2		5.9		20.8		5		83				<0.2		1.8	
IM11	Cloudy	Moderate	11:38	8.3	Surface	1.0	0.6	284	27.7	27.7	8.2	8.2	25.6	25.6	89.6	89.6	6.1	5.9	10.9	12.9	8	8	80	81	822060	811464	<0.2	<0.2	1.8	1.7
						1.0	0.6	294	27.7		8.2		25.6		89.5		6.1		11.0		7		80				<0.2		1.9	
					Middle	4.2	0.5	280	27.5	27.5	8.1	8.1	28.1	28.1	84.3	84.4	5.7		13.2		7		80				<0.2		1.8	
						4.2	0.5	299	27.5		8.1		28.1		84.4		5.7		13.2		8		81				<0.2		1.6	
					Bottom	7.3	0.3	314	27.5	27.5	8.1	8.1	28.1	28.1	85.6	85.7	5.8	5.8	14.6		7		82				<0.2		1.2	
						7.3	0.3	335	27.5		8.1		28.1		85.7		5.8		14.6		9		82				<0.2		1.6	
IM12	Rainy	Moderate	11:30	9.1	Surface	1.0	0.6	276	27.8	27.8	8.0	8.0	24.2	24.2	84.7	84.7	5.8	5.8	10.3	10.9	4	4	77	80	821432	812041	<0.2	<0.2	1.8	1.7
						1.0	0.6	299	27.8		8.0		24.2		84.7		5.8		10.4		4		78				<0.2		1.8	
					Middle	4.6	0.7	281	27.7	27.7	8.0	8.0	24.9	24.8	83.2	83.2	5.7		10.7		4		81				<0.2		1.6	
						4.6	0.8	307	27.7		8.0		24.8		83.1		5.7		10.6		4		81				<0.2		1.7	
					Bottom	8.1	0.6	289	27.5	27.5	8.0	8.0	27.1	27.1	83.3	83.4	5.7	5.7	11.6		5		82				<0.2		1.6	
						8.1	0.6	299	27.5		8.0		27.1		83.4		5.7		11.5		5		82				<0.2		1.9	
SR2	Rainy	Moderate	11:01	3.7	Surface	1.0	0.2	353	27.8	27.8	8.0	8.0	24.2	24.2	86.7	86.7	6.0	6.0	9.8	10.2	5	6	81	82	821470	814167	<0.2	<0.2	1.7	1.7
						1.0	0.2	325	27.8		8.0		24.2		86.6		5.9		9.8		5		80				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	360	27.7	27.7	8.0	8.0	24.6	24.6	86.7	87.2	6.0	6.0	10.4		6		83				<0.2		1.8	
						2.7	0.1	331	27.7		8.0		24.6		87.7		6.0		10.9		6		82				<0.2		1.5	
SR3	Cloudy	Moderate	12:16	9.0	Surface	1.0	0.3	11	27.9	27.9	8.1	8.1	23.5	23.5	87.5	87.5	6.0	6.0	10.1	13.8	3	4	-	-	822120	807585	-	-	-	-
						1.0	0.3	11	27.9		8.1		23.5		87.5		6.0		10.1		4		-				-		-	
					Middle	4.5	0.2	337	27.8	27.8	8.0	8.0	23.8	23.8	86.2	86.2	5.9		14.4		4		-				-		-	
						4.5	0.2	346	27.8		8.0		23.8		86.2		5.9		14.5		4		-				-		-	
					Bottom	8.0	0.1	34	27.5	27.5	8.1	8.1	27.7	27.7	85.8	85.9	5.8	5.8	16.8		6		-				-		-	
						8.0	0.1	36	27.5		8.1		27.7		85.9		5.8		16.8		5		-				-		-	
SR4A	Rainy	Moderate	11:11	8.2	Surface	1.0	0.5	275	27.8	27.8	8.0	8.0	24.0	24.0	86.5	86.4	5.9	5.8	8.9	10.5	5	6	-	-	817188	807839	-	-	-	-
						1.0	0.6	290	27.8		8.0		24.0		86.2		5.9		9.0		6		-				-		-	
					Middle	4.1	0.4	281	27.6	27.6	8.0	8.0	25.2	25.2	83.6	83.6	5.7		10.5		6		-				-		-	
						4.1	0.4	281	27.6		8.0		25.2		83.6		5.7		10.6		5		-				-		-	
					Bottom	7.2	0.2	287	27.5	27.5	8.0	8.0	27.3	27.3	83.7	84.0	5.7	5.7	12.0		7		-				-		-	
						7.2	0.2	299	27.5		8.0		27.3		84.2		5.7		12.1		8		-				-		-	
SR5A	Rainy	Moderate	10:56	4.6	Surface	1.0	0.3	317	27.8	27.8	8.0	8.0	23.8	23.8	86.5	86.5	6.0	6.0	11.4	12.0	10	12	-	-	816583	810672	-	-	-	-
						1.0	0.4	338	27.8		8.0		23.8		86.5		6.0		11.3		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	325	27.7	27.7	8.0	8.0	23.9	23.9	87.8	87.9	6.0	6.1	12.5		12		-				-		-	
						3.6	0.3	326	27.7		8.0		23.9		87.9		6.1		12.6		13		-				-		-	
SR6	Fine	Moderate	10:31	4.5	Surface	1.0	0.2	256	27.8	27.8	8.0	8.0	23.4	23.4	86.7	86.7	6.0	6.0	9.8	10.3	5	6	-	-	817914	814644	-	-	-	-
						1.0	0.2	272	27.8		8.0		23.4		86.7		6.0		9.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	254	27.7	27.7	8.0	8.0	23.6	23.6	88.7	88.8	6.1	6.1	10.8		6		-				-		-	
						3.5	0.1	265	27.7		8.0		23.6		88.8		6.1		10.8		7		-				-		-	
SR7	Cloudy	Moderate	10:00	18.9	Surface	1.0	0.2	244	27.8	27.8	7.9	7.9	23.3	23.3	84.5	84.5	5.8	5.7	5.2	7.8	7	7	-	-	823636	823763	-	-	-	-
						1.0	0.2	250	27.8		7.9		23.3		84.5		5.8		5.2		6		-				-		-	
					Middle	9.5	0.2	221	27.7	27.7	7.9	7.9	23.8	23.8	79.8	79.8	5.5		7.8		8		-				-		-	
						9.5	0.2	230	27.7		7.9		23.8		79.8		5.5		7.9		6		-				-		-	
					Bottom	17.9	0.2	201	27.6	27.6	7.9	7.9	27.2	27.2	80.2	80.3	5.5	5.5	10.5		8		-				-		-	
						17.9	0.2	219	27.6		7.9		27.2		80.3		5.5		10.4		6		-				-		-	
SR8	Rainy	Calm	11:23	4.0	Surface	1.0	-	-	27.8	27.8	8.0	8.0	24.2	24.2	85.7	85.7	5.9	5.9	9.8	10.1	7	8	-	-	820246	811418	-	-	-	-
						1.0	-	-	27.8		8.0		24.2		85.6		5.9		9.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	27.6	27.6	8.0	8.0	25.2	25.2	84.5	84.6	5.8	5.8	10.4		8		-				-		-	
						3.0	-	-	27.6		8.0		25.2		84.6		5.8		10.4		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Moderate	19:44	8.8	Surface	1.0	0.5	205	28.6	28.6	8.2	8.2	24.2	24.2	99.0	99.0	6.7	6.3	6.4	11.4	3	3	72	75	815646	804269	<0.2	<0.2	1.7	1.6
						1.0	0.5	222	28.6		8.2		24.2		99.0		6.7		6.4		3		73				<0.2		1.5	
					Middle	4.4	0.4	219	27.8	27.8	8.1	8.1	27.9	27.9	87.4	87.4	5.9		11.2		3		75				<0.2		1.6	
						4.4	0.4	234	27.8		8.1		27.9		87.4		5.9		11.2		3		75				<0.2		1.6	
					Bottom	7.8	0.2	227	27.7	27.7	8.1	8.1	28.2	28.2	87.6	87.6	5.9	5.9	16.6		3		76				<0.2		1.7	
						7.8	0.2	244	27.7		8.1		28.2		87.6		5.9		16.6		3		77				<0.2		1.6	
C2	Fine	Moderate	21:16	12.2	Surface	1.0	0.3	186	28.6	28.6	8.0	8.0	22.3	22.3	85.6	85.6	5.9	5.9	6.9	7.1	<2	2	70	73	825710	806935	<0.2	<0.2	2.1	2.0
						1.0	0.3	188	28.6		8.0		22.3		85.6		5.9		6.9		<2		71				<0.2		2.1	
					Middle	6.1	0.1	192	28.2	28.2	8.0	8.0	23.5	23.5	84.3	84.3	5.8		7.4		2		72				<0.2		2.0	
						6.1	0.1	194	28.2		8.0		23.5		84.3		5.8		7.4		<2		73				<0.2		1.8	
					Bottom	11.2	0.2	140	28.3	28.3	8.0	8.0	25.6	25.6	87.0	87.0	5.9	5.9	7.0		3		75				<0.2		2.0	
						11.2	0.2	141	28.3		8.0		25.6		87.0		5.9		7.0		2		75				<0.2		2.1	
C3	Fine	Moderate	19:08	12.3	Surface	1.0	0.1	119	28.3	28.3	8.1	8.1	24.8	24.8	90.6	90.6	6.2	6.3	8.8	8.5	<2	2	73	75	822126	817824	<0.2	<0.2	2.6	2.6
						1.0	0.1	119	28.3		8.1		24.8		90.6		6.2		8.8		2		73				<0.2		2.9	
					Middle	6.2	0.2	340	28.2	28.2	8.1	8.1	25.2	25.2	93.7	93.7	6.4		9.3		2		75				<0.2		2.8	
						6.2	0.2	344	28.2		8.1		25.2		93.7		6.4		9.3		2		75				<0.2		2.5	
					Bottom	11.3	0.2	132	28.5	28.5	8.1	8.1	24.8	24.8	93.8	93.8	6.4	6.4	7.4		2		76				<0.2		2.4	
						11.3	0.2	139	28.5		8.1		24.8		93.8		6.4		7.4		3		77				<0.2		2.5	
IM1	Fine	Moderate	20:06	5.4	Surface	1.0	0.1	226	28.0	28.0	8.1	8.1	26.0	26.0	88.0	88.0	6.0	6.0	12.0	15.3	<2	2	72	74	817941	807134	<0.2	<0.2	1.5	1.6
						1.0	0.1	242	28.0		8.1		26.0		88.0		6.0		12.3		<2		73				<0.2		1.9	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	305	27.9	27.9	8.1	8.1	27.3	27.3	89.4	89.4	6.0	6.0	18.4		<2		74				<0.2		1.3	
						4.4	0.0	327	27.9		8.1		27.3		89.4		6.0		18.4		2		75				<0.2		1.7	
IM2	Fine	Moderate	20:15	7.1	Surface	1.0	0.3	196	28.3	28.3	8.1	8.1	24.3	24.3	92.1	92.1	6.3	6.2	6.3	9.1	<2	3	72	74	818160	806147	<0.2	<0.2	1.4	1.4
						1.0	0.3	215	28.3		8.1		24.3		92.1		6.3		6.3		2		73				<0.2		1.4	
					Middle	3.6	0.2	180	27.9	27.9	8.1	8.1	26.8	26.8	88.2	88.2	6.0		9.3		2		73				<0.2		1.4	
						3.6	0.2	189	27.9		8.1		26.8		88.2		6.0		9.3		3		73				<0.2		1.4	
					Bottom	6.1	0.1	175	27.8	27.8	8.1	8.1	27.1	27.1	90.0	90.0	6.1	6.1	11.7		3		75				<0.2		1.4	
						6.1	0.2	186	27.8		8.1		27.1		90.0		6.1		11.7		3		75				<0.2		1.3	
IM3	Fine	Moderate	20:22	7.3	Surface	1.0	0.4	216	28.4	28.4	8.1	8.1	23.4	23.4	91.9	91.9	6.3	6.2	9.7	11.3	<2	4	71	73	818771	805619	<0.2	<0.2	1.4	1.5
						1.0	0.5	235	28.4		8.1		23.4		91.9		6.3		9.7		3		71				<0.2		1.5	
					Middle	3.7	0.4	207	28.1	28.1	8.1	8.1	25.0	25.0	89.6	89.6	6.1		13.5		4		73				<0.2		1.5	
						3.7	0.4	217	28.1		8.1		25.0		89.6		6.1		13.5		4		72				<0.2		1.4	
					Bottom	6.3	0.2	192	28.1	28.1	8.1	8.1	27.0	27.0	93.1	93.1	6.3	6.3	10.6		5		74				<0.2		1.5	
						6.3	0.2	208	28.1		8.1		27.0		93.1		6.3		10.6		4		75				<0.2		1.4	
IM4	Fine	Moderate	20:34	7.4	Surface	1.0	0.6	204	28.7	28.7	8.1	8.1	19.9	19.9	89.8	89.8	6.2	6.1	7.9	9.6	<2	2	71	73	819751	804584	<0.2	<0.2	1.5	2.1
						1.0	0.7	222	28.7		8.1		19.9		89.8		6.2		7.9		<2		71				<0.2		2.3	
					Middle	3.7	0.6	207	28.0	28.0	8.1	8.1	24.9	24.9	87.4	87.4	6.0		11.1		2		72				<0.2		2.2	
						3.7	0.6	223	28.0		8.1		24.9		87.4		6.0		11.1		<2		73				<0.2		2.3	
					Bottom	6.4	0.2	201	28.1	28.1	8.1	8.1	26.7	26.7	92.9	92.9	6.3	6.3	9.9		3		74				<0.2		2.3	
						6.4	0.3	206	28.1		8.1		26.7		92.9		6.3		9.9		2		75				<0.2		2.1	
IM5	Fine	Moderate	20:43	7.0	Surface	1.0	0.6	203	28.8	28.8	8.1	8.1	17.6	17.6	93.2	93.2	6.5	6.4	8.2	10.3	4	4	71	73	820751	804869	<0.2	<0.2	2.3	2.3
						1.0	0.7	216	28.8		8.1		17.6		93.2		6.5		8.2		4		70				<0.2		2.4	
					Middle	3.5	0.4	222	28.2	28.2	8.1	8.1	22.5	22.5	90.0	90.0	6.2		13.3		4		73				<0.2		2.2	
						3.5	0.5	226	28.2		8.1		22.5		90.0		6.2		13.3		4		72				<0.2		2.1	
					Bottom	6.0	0.3	233	28.5	28.5	8.0	8.0	25.1	25.1	94.7	94.7	6.4	6.4	9.3		4		75				<0.2		2.3	
						6.0	0.3	255	28.5		8.0		25.1		94.7		6.4		9.3		4		75				<0.2		2.2	
IM6	Fine	Moderate	20:52	6.8	Surface	1.0	0.4	223	29.1	29.1	8.1	8.1	17.7	17.7	92.5	92.5	6.4	6.3	6.5	9.5	3	4	70	73	821069	805800	<0.2	<0.2	2.6	2.3
						1.0	0.5	236	29.1		8.1		17.7		92.5		6.4		6.5		4		71				<0.2		2.3	
					Middle	3.4	0.5	256	28.4	28.4	8.0	8.0	23.2	23.2	89.2	89.2	6.1		9.0		3		73				<0.2		2.0	
						3.4	0.5	272	28.4		8.0		23.2		89.2		6.1		9.0		5		72				<0.2		2.3	
					Bottom	5.8	0.3	252	28.4	28.4	8.0	8.0	25.1	25.1	92.9	93.1	6.3	6.3	13.0		5		75				<0.2		2.4	
						5.8	0.3	269	28.4		8.0		25.1		93.2		6.3		13.0		4		75				<0.2		2.1	
IM7	Fine	Moderate	21:00	7.2	Surface	1.0	0.5	245	29.2	29.2	8.0	8.0	20.8	20.8	92.6	92.6	6.3	6.1	6.0	7.2	4	5	71	73	821332	806864	<0.2	<0.2	2.2	2.2
						1.0	0.5	266	29.2		8.0		20.8		92.6		6.3		6.0		6		71				<0.2		2.3	
					Middle	3.6	0.5	254	28.2	28.2	8.0	8.0	23.5	23.5	85.6	85.6	5.9		7.9		4		72				<0.2		2.3	
						3.6	0.5	267	28.2		8.0		23.5		85.6		5.9		7.9		6		73				<0.2		2.1	
					Bottom	6.2	0.3	261	28.1	28.1	8.0	8.0	26.2	26.2	89.5	89.5	6.1	6.1	7.8		5		75				<0.2		2.3	
						6.2	0.3	263	28.1		8.0		26.2		89.5		6.1		7.8		7		74				<0.2		1.9	
IM8	Fine	Moderate	20:44	7.6	Surface	1.0	0.1	159	28.7	28.7	8.1	8.1	18.2	18.2	93.5	93.5	6.5	6.4	7.8	11.4	4	5	72	73	821835	808143	<0.2	<0.2	2.1	2.1
						1.0	0.1	169	28.7		8.1		18.2		93.5		6.5		7.8		5		71				<0.2		1.9	
					Middle	3.8	0.2	189	28.5	28.5	8.0	8.0	22.4	22.4	89.9	89.9	6.2		12.6		6		73				<0.2		2.2	
						3.8	0.2	194	28.5		8.0		22.4		89.9		6.2		12.6		5		73				<0.2		2.1	
					Bottom	6.6	0.2	172	28.3	28.3	8.0	8.0	25.5	25.5	92.9	92.9	6.3	6.3	13.9		6		75				<0.2		2.1	
						6.6	0.3	177	28.3		8.0		25.5		92.9		6.3		13.9		6		74				<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 21 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	20:34	7.0	Surface	1.0	0.3	139	29.1	29.1	8.0	8.0	19.0	19.0	92.3	92.3	6.4	6.3	6.0	7.1	3	4	71	73	822110	808832	<0.2	<0.2	2.6	2.3
						1.0	0.3	150	29.1		8.0		19.0		92.3		6.4		6.0		3		71				<0.2		2.3	
					Middle	3.5	0.1	81	28.4	28.4	8.1	8.1	22.6	22.6	88.8	88.8	6.1		7.1		4		73				<0.2		2.1	
						3.5	0.1	84	28.4		8.1		22.6		88.8		6.1		7.1		4		72				<0.2		2.2	
					Bottom	6.0	0.2	168	28.1	28.1	8.1	8.1	26.7	26.7	89.2	89.2	6.0	6.0	8.3		4		75				<0.2		2.2	
						6.0	0.2	180	28.1		8.1		26.7		89.2		6.0		8.3		4		75				<0.2		2.3	
IM10	Fine	Moderate	20:23	7.4	Surface	1.0	0.3	132	28.6	28.6	8.1	8.1	23.0	23.0	93.0	93.0	6.4	6.3	8.0	9.0	3	4	71	73	822405	809783	<0.2	<0.2	2.4	2.4
						1.0	0.3	144	28.6		8.1		23.0		93.0		6.4		8.0		4		70				<0.2		2.4	
					Middle	3.7	0.3	110	28.2	28.2	8.1	8.1	24.1	24.1	91.2	91.2	6.2		9.2		5		73				<0.2		2.4	
						3.7	0.3	114	28.2		8.1		24.1		91.2		6.2		9.2		4		72				<0.2		2.4	
					Bottom	6.4	0.2	126	28.2	28.2	8.1	8.1	26.8	26.8	91.8	91.8	6.2	6.2	9.7		5		75				<0.2		2.3	
						6.4	0.2	135	28.2		8.1		26.8		91.8		6.2		9.7		5		74				<0.2		2.3	
IM11	Fine	Moderate	20:16	7.5	Surface	1.0	0.4	112	28.1	28.1	8.1	8.1	25.2	25.2	91.9	91.9	6.2	6.1	6.5	7.0	3	4	70	73	822083	811483	<0.2	<0.2	2.4	2.4
						1.0	0.4	113	28.1		8.1		25.2		91.9		6.2		6.5		4		71				<0.2		2.2	
					Middle	3.8	0.2	107	27.9	27.9	8.1	8.1	26.7	26.7	89.2	89.2	6.0		7.8		4		73				<0.2		2.3	
						3.8	0.2	111	27.9		8.1		26.7		89.2		6.0		7.8		4		73				<0.2		2.3	
					Bottom	6.5	0.2	163	27.9	27.9	8.1	8.1	26.8	26.8	91.9	91.9	6.2	6.2	6.6		4		75				<0.2		2.5	
						6.5	0.2	169	27.9		8.1		26.8		91.9		6.2		6.6		4		74				<0.2		2.4	
IM12	Fine	Moderate	20:07	7.6	Surface	1.0	0.3	90	28.2	28.2	8.1	8.1	25.1	25.1	87.9	87.9	6.0	5.9	10.2	14.0	2	3	70	73	821434	812018	<0.2	<0.2	2.3	2.5
						1.0	0.3	95	28.2		8.1		25.1		87.9		6.0		10.2		4		71				<0.2		2.6	
					Middle	3.8	0.3	118	27.8	27.8	8.1	8.1	27.3	27.3	86.2	86.2	5.8		16.9		3		73				<0.2		2.5	
						3.8	0.3	118	27.8		8.1		27.3		86.2		5.8		16.9		4		73				<0.2		2.6	
					Bottom	6.6	0.1	135	27.9	27.9	8.1	8.1	27.3	27.3	87.9	87.9	5.9	5.9	14.8		3		76				<0.2		2.3	
						6.6	0.1	146	27.9		8.1		27.3		87.9		5.9		14.8		4		75				<0.2		2.4	
SR2	Fine	Moderate	19:30	4.1	Surface	1.0	0.3	76	28.3	28.3	8.1	8.1	25.7	25.7	90.1	90.1	6.1	6.1	7.9	9.0	3	3	72	74	821459	814175	<0.2	<0.2	2.4	2.4
						1.0	0.3	81	28.3		8.1		25.7		90.1		6.1		7.9		<2		73				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	82	27.9	27.9	8.1	8.1	27.3	27.3	89.0	89.0	6.0	6.0	10.1		3		75				<0.2		2.3	
						3.1	0.3	89	27.9		8.1		27.3		89.0		6.0		10.1		<2		75				<0.2		2.4	
SR3	Fine	Moderate	20:53	8.3	Surface	1.0	0.3	174	29.0	29.0	8.1	8.1	18.5	18.5	90.9	90.9	6.3	6.2	7.2	8.5	2	2	-	-	822161	807579	-	-	-	-
						1.0	0.3	188	29.0		8.1		18.5		90.9		6.3		7.2		<2		-				-		-	
					Middle	4.2	0.3	170	28.2	28.2	8.0	8.0	23.5	23.5	88.3	88.3	6.1		11.1		2		-				-		-	
						4.2	0.3	177	28.2		8.0		23.5		88.3		6.1		11.1		2		-				-		-	
					Bottom	7.3	0.2	225	28.5	28.5	8.0	8.0	25.0	25.0	91.6	91.6	6.2	6.2	7.2		2		-				-		-	
						7.3	0.2	234	28.5		8.0		25.0		91.6		6.2		7.2		3		-				-		-	
SR4A	Fine	Moderate	19:25	9.8	Surface	1.0	0.1	249	28.2	28.2	8.1	8.1	25.8	25.8	88.8	88.8	6.0	6.0	9.4	11.4	3	4	-	-	817201	807837	-	-	-	-
						1.0	0.1	255	28.2		8.1		25.8		88.8		6.0		9.4		4		-				-		-	
					Middle	4.9	0.1	279	27.8	27.8	8.1	8.1	27.5	27.5	87.4	87.4	5.9		12.5		4		-				-		-	
						4.9	0.1	303	27.8		8.1		27.5		87.4		5.9		12.5		3		-				-		-	
					Bottom	8.8	0.1	248	27.8	27.8	8.1	8.1	27.9	27.9	90.2	90.2	6.1	6.1	12.4		5		-				-		-	
						8.8	0.1	262	27.8		8.1		27.9		90.2		6.1		12.4		6		-				-		-	
SR5A	Fine	Moderate	19:07	4.4	Surface	1.0	0.1	304	28.3	28.3	8.0	8.0	24.9	24.9	89.7	89.7	6.1	6.1	11.7	11.5	10	11	-	-	816600	810679	-	-	-	-
						1.0	0.1	332	28.3		8.0		24.9		89.7		6.1		11.8		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	298	28.2	28.2	8.0	8.0	25.2	25.2	90.7	90.7	6.2	6.2	11.3		11		-				-		-	
						3.4	0.1	302	28.2		8.0		25.2		90.7		6.2		11.3		10		-				-		-	
SR6	Fine	Moderate	18:42	4.1	Surface	1.0	0.1	46	28.5	28.5	8.1	8.1	24.1	24.1	93.4	93.4	6.3	6.3	7.3	8.3	5	6	-	-	817878	814633	-	-	-	-
						1.0	0.1	50	28.5		8.1		24.1		93.4		6.3		7.3		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	46	28.0	28.0	8.0	8.0	24.6	24.6	92.6	92.6	6.3	6.3	9.2		6		-				-		-	
						3.1	0.0	49	28.0		8.0		24.6		92.6		6.3		9.2		5		-				-		-	
SR7	Fine	Moderate	18:39	16.2	Surface	1.0	0.3	114	28.4	28.4	8.1	8.1	23.6	23.6	94.1	94.1	6.4	6.5	7.4	8.0	4	5	-	-	823637	823731	-	-	-	-
						1.0	0.3	124	28.4		8.1		23.6		94.1		6.4		7.4		4		-				-		-	
					Middle	8.1	0.2	133	28.4	28.4	8.0	8.0	24.2	24.2	96.7	96.7	6.6		7.6		6		-				-		-	
						8.1	0.3	141	28.4		8.0		24.2		96.7		6.6		7.6		4		-				-		-	
					Bottom	15.2	0.1	49	28.6	28.6	8.0	8.0	23.5	23.5	97.1	97.4	6.6	6.7	8.7		6		-				-		-	
						15.2	0.1	52	28.6		8.0		23.5		97.7		6.7		9.0		6		-				-		-	
SR8	Fine	Moderate	19:45	4.8	Surface	1.0	-	-	28.7	28.6	8.2	8.2	24.0	24.0	106.8	106.7	7.2	7.2	4.9	5.2	4	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.6		8.2		24.0		106.5		7.2		4.9		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.4	28.4	8.2	8.2	26.4	26.4	103.2	103.2	6.9	6.9	5.5		5		-				-		-	
						3.8	-	-	28.4		8.2		26.4		103.2		6.9		5.5		4		-				-		-	

DA: *Depth-Averaged*

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	14:07	8.4	Surface	1.0	0.1	91	29.2	29.2	8.2	8.2	19.0	19.0	115.8	115.8	8.0	7.3	6.7	10.7	4	5	73	75	815634	804273	<0.2	<0.2	1.3	1.4
						1.0	0.2	100	29.2		8.2		19.0		115.8		8.0		6.7		5		73				<0.2		1.3	
					Middle	4.2	0.3	35	28.5	28.5	8.2	8.2	24.4	24.4	97.5	97.5	6.6		10.0		4		76				<0.2		1.5	
						4.2	0.3	35	28.5		8.2		24.4		97.5		6.6		10.0		5		75				<0.2		1.4	
					Bottom	7.4	0.2	56	27.8	27.8	8.1	8.1	27.9	27.9	88.7	88.7	6.0	6.0	15.5		6		76				<0.2		1.3	
						7.4	0.2	60	27.8		8.1		27.9		88.7		6.0		15.5		6		77				<0.2		1.6	
C2	Fine	Moderate	12:52	12.2	Surface	1.0	0.1	99	28.8	28.8	8.0	8.0	17.1	17.1	89.7	89.7	6.3	6.2	7.4	8.1	<2	4	71	73	825654	806970	<0.2	<0.2	1.2	1.2
						1.0	0.1	100	28.8		8.0		17.1		89.7		6.3		7.4		<2		71				<0.2		1.2	
					Middle	6.1	0.1	316	28.4	28.4	8.0	8.0	21.6	21.6	86.3	86.3	6.0		8.9		4		73				<0.2		1.2	
						6.1	0.1	330	28.4		8.0		21.6		86.3		6.0		8.9		5		73				<0.2		1.2	
					Bottom	11.2	0.1	357	28.3	28.3	8.0	8.0	25.8	25.8	88.8	88.8	6.0	6.0	7.9		5		75				<0.2		1.2	
						11.2	0.1	328	28.3		8.0		25.8		88.8		6.0		7.9		5		74				<0.2		1.1	
C3	Fine	Moderate	14:29	11.8	Surface	1.0	0.3	243	28.9	28.9	8.1	8.1	25.1	25.1	97.8	97.8	6.6	6.4	10.7	12.9	4	4	70	73	822131	817792	<0.2	<0.2	1.3	1.2
						1.0	0.3	251	28.9		8.1		25.1		97.8		6.6		10.7		<2		71				<0.2		1.4	
					Middle	5.9	0.2	259	28.1	28.1	8.1	8.1	25.8	25.8	89.6	89.6	6.1		13.8		4		73				<0.2		1.1	
						5.9	0.2	265	28.1		8.1		25.8		89.6		6.1		13.8		4		74				<0.2		1.1	
					Bottom	10.8	0.2	277	27.9	27.9	8.1	8.1	27.2	27.2	93.5	93.5	6.3	6.3	14.3		4		75				<0.2		1.2	
						10.8	0.2	300	27.9		8.1		27.2		93.5		6.3		14.3		4		75				<0.2		1.1	
IM1	Fine	Moderate	13:49	4.6	Surface	1.0	0.1	322	28.7	28.7	8.2	8.2	24.9	24.9	99.4	99.4	6.7	6.7	8.2	10.3	7	9	72	74	817958	807125	<0.2	<0.2	1.9	1.9
						1.0	0.2	327	28.7		8.2		24.9		99.4		6.7		8.2		9		73				<0.2		1.9	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	342	28.1	28.1	8.1	8.1	26.8	26.8	93.8	93.8	6.3	6.3	12.3		9		75				<0.2		2.0	
						3.6	0.2	315	28.1		8.1		26.8		93.8		6.3		12.3		10		75				<0.2		1.9	
IM2	Fine	Moderate	13:42	7.3	Surface	1.0	0.2	354	27.8	27.8	8.1	8.1	27.8	27.8	93.9	93.9	6.3	6.3	18.5	15.8	5	5	73	74	818176	806175	<0.2	<0.2	1.8	1.8
						1.0	0.2	326	27.8		8.1		27.8		93.9		6.3		18.5		4		72				<0.2		2.0	
					Middle	3.7	0.1	310	28.4	28.4	8.1	8.1	26.3	26.3	94.3	94.3	6.3		13.0		5		75				<0.2		1.9	
						3.7	0.1	323	28.4		8.1		26.3		94.3		6.3		13.0		5		74				<0.2		1.8	
					Bottom	6.3	0.2	233	27.9	27.9	8.1	8.1	27.7	27.7	96.8	96.8	6.5	6.5	16.0		6		75				<0.2		1.4	
						6.3	0.2	254	27.9		8.1		27.7		96.8		6.5		16.0		6		77				<0.2		1.9	
IM3	Fine	Moderate	13:30	7.3	Surface	1.0	0.2	223	29.5	29.5	8.1	8.1	21.3	21.3	103.1	103.1	7.0	6.6	8.2	10.4	2	4	72	74	818771	805595	<0.2	<0.2	1.3	1.4
						1.0	0.2	228	29.5		8.1		21.3		103.1		7.0		8.2		2		73				<0.2		1.3	
					Middle	3.7	0.1	323	28.1	28.1	8.1	8.1	24.7	24.7	90.0	90.0	6.1		9.6		4		75				<0.2		1.4	
						3.7	0.1	338	28.1		8.1		24.7		90.0		6.1		9.6		5		75				<0.2		1.3	
					Bottom	6.3	0.3	2	27.8	27.8	8.1	8.1	27.5	27.5	88.9	88.9	6.0	6.0	13.3		4		75				<0.2		1.2	
						6.3	0.3	2	27.8		8.1		27.5		88.9		6.0		13.3		5		75				<0.2		1.9	
IM4	Fine	Moderate	13:22	7.6	Surface	1.0	0.2	271	29.7	29.7	8.1	8.1	17.3	17.3	99.1	99.1	6.9	6.6	7.7	9.2	3	4	70	73	819736	804586	<0.2	<0.2	1.5	1.8
						1.0	0.3	287	29.7		8.1		17.3		99.1		6.9		7.7		4		71				<0.2		2.0	
					Middle	3.8	0.3	311	28.2	28.2	8.1	8.1	24.5	24.5	92.5	92.5	6.3		10.2		4		72				<0.2		1.9	
						3.8	0.3	321	28.2		8.1		24.5		92.5		6.3		10.2		4		73				<0.2		1.9	
					Bottom	6.6	0.2	13	28.4	28.4	8.1	8.1	27.1	27.1	98.2	98.2	6.6	6.6	9.6		5		75				<0.2		1.7	
						6.6	0.2	13	28.4		8.1		27.1		98.2		6.6		9.6		6		75				<0.2		1.8	
IM5	Fine	Moderate	13:12	7.4	Surface	1.0	0.2	281	29.3	29.3	8.1	8.1	17.0	17.0	97.9	97.9	6.8	6.5	7.2	8.3	2	3	70	73	820729	804876	<0.2	<0.2	1.3	1.3
						1.0	0.3	295	29.3		8.1		17.0		97.9		6.8		7.2		3		71				<0.2		1.2	
					Middle	3.7	0.2	338	28.5	28.5	8.1	8.1	22.8	22.8	91.3	91.3	6.2		9.0		3		72				<0.2		1.2	
						3.7	0.3	343	28.5		8.1		22.8		91.3		6.2		9.0		2		73				<0.2		1.2	
					Bottom	6.4	0.1	20	28.2	28.2	8.0	8.0	26.2	26.2	92.2	92.2	6.2	6.2	8.8		3		74				<0.2		1.3	
						6.4	0.1	21	28.2		8.0		26.2		92.2		6.2		8.8		3		75				<0.2		1.3	
IM6	Fine	Moderate	13:05	6.5	Surface	1.0	0.3	279	29.7	29.7	8.1	8.1	16.2	16.2	99.6	99.6	6.9	6.7	6.6	7.1	2	3	71	73	821040	805836	<0.2	<0.2	1.3	1.2
						1.0	0.4	294	29.7		8.1		16.2		99.6		6.9		6.6		<2		71				<0.2		1.1	
					Middle	3.3	0.4	284	28.6	28.6	8.0	8.0	20.7	20.7	93.2	93.2	6.4		8.0		3		73				<0.2		1.2	
						3.3	0.4	295	28.6		8.0		20.7		93.2		6.4		8.0		3		73				<0.2		1.2	
					Bottom	5.5	0.2	324	29.0	29.0	8.0	8.0	22.8	22.8	97.7	97.7	6.6	6.6	6.7		2		75				<0.2		1.2	
						5.5	0.2	350	29.0		8.0		22.8		97.7		6.6		6.7		3		74				<0.2		1.4	
IM7	Fine	Moderate	12:56	7.7	Surface	1.0	0.3	266	28.7	28.7	8.0	8.0	20.1	20.1	89.2	89.2	6.2	6.1	6.7	8.8	3	4	71	73	821376	806848	<0.2	<0.2	1.3	1.3
						1.0	0.3	266	28.7		8.0		20.1		89.2		6.2		6.7		2		71				<0.2		1.5	
					Middle	3.9	0.3	280	28.4	28.4	8.0	8.0	21.5	21.5	85.7	85.7	5.9		7.4		3		72				<0.2		1.3	
						3.9	0.4	303	28.4		8.0		21.5		85.7		5.9		7.4		4		73				<0.2		1.3	
					Bottom	6.7	0.0	203	28.1	28.1	8.0	8.0	24.4	24.4	84.9	84.9	5.8	5.8	12.4		6		75				<0.2		1.2	
						6.7	0.0	210	28.1		8.0		24.4		84.9		5.8		12.4		4		74				<0.2		1.3	
IM8	Fine	Moderate	13:13	7.4	Surface	1.0	0.1	283	29.4	29.4	8.1	8.1	16.6	16.6	98.1	98.1	6.8	6.6	7.5	8.1	2	3	71	73	821827	808157	<0.2	<0.2	1.0	1.0
						1.0	0.1	296	29.4		8.1		16.6		98.1		6.8		7.5		2		71				<0.2		1.0	
					Middle	3.7	0.1	78	28.5	28.5	8.1	8.1	22.8	22.8	92.6	92.6	6.3		9.4		2		72				<0.2		1.0	
						3.7	0.1	80	28.5		8.1		22.8		92.6		6.3		9.4		3		73				<0.2		1.0	
					Bottom	6.4	0.1	41	28.7	28.7	8.0	8.0	24.8	24.8	97.7	97.7	6.6	6.6	7.5		2		75				<0.2		0.9	
						6.4	0.1	41	28.7		8.0		24.8		97.7		6.6		7.5		4		75				<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 21 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Fine	Moderate	13:18	7.7	Surface	1.0	0.1	265	29.0	29.0	8.1	8.1	17.8	17.8	96.0	96.0	6.7	6.5	10.0	14.1	3	3	71	74	822115	808803	<0.2	<0.2	1.0	1.0
						1.0	0.1	290	29.0		8.1		17.8		96.0		6.7		10.0		<2		72				<0.2		1.0	
					Middle	3.9	0.0	59	28.3	28.3	8.1	8.1	24.4	24.4	91.0	91.0	6.2		14.3		<2		75				<0.2		1.0	
						3.9	0.0	62	28.3		8.1		24.4		91.0		6.2		14.3		3		74				<0.2		0.9	
					Bottom	6.7	0.2	102	28.0	28.0	8.1	8.1	27.3	27.3	94.6	94.6	6.4	6.4	17.9		4		76				<0.2		1.0	
						6.7	0.2	104	28.0		8.1		27.3		94.6		6.4		17.9		3		75				<0.2		0.9	
IM10	Fine	Moderate	13:25	7.0	Surface	1.0	0.1	165	29.3	29.3	8.1	8.1	21.4	21.4	95.2	95.2	6.5	6.4	8.3	8.6	<2	3	73	74	822395	809766	<0.2	<0.2	1.8	1.2
						1.0	0.1	180	29.3		8.1		21.4		95.2		6.5		8.3		3		73				<0.2		1.2	
					Middle	3.5	0.1	341	28.1	28.1	8.1	8.1	26.0	26.0	92.4	92.4	6.3		9.5		4		75				<0.2		0.9	
						3.5	0.1	342	28.1		8.1		26.0		92.4		6.3		9.5		3		75				<0.2		1.0	
					Bottom	6.0	0.3	338	28.5	28.5	8.1	8.1	26.8	26.8	102.0	102.0	6.8	6.8	7.9		3		75				<0.2		1.0	
						6.0	0.4	311	28.5		8.1		26.8		102.0		6.8		7.9		4		75				<0.2		1.0	
IM11	Fine	Moderate	13:35	7.9	Surface	1.0	0.1	322	28.6	28.6	8.2	8.2	24.5	24.5	101.4	101.4	6.9	6.7	7.6	9.8	2	4	72	74	822061	811448	<0.2	<0.2	1.8	1.9
						1.0	0.2	352	28.6		8.2		24.5		101.4		6.9		7.6		3		72				<0.2		1.9	
					Middle	4.0	0.4	274	28.0	28.0	8.1	8.1	26.8	26.8	95.1	95.1	6.4		11.6		4		74				<0.2		1.9	
						4.0	0.4	296	28.0		8.1		26.8		95.1		6.4		11.6		3		75				<0.2		2.0	
					Bottom	6.9	0.3	323	28.1	28.1	8.1	8.1	27.7	27.7	100.3	100.3	6.7	6.7	10.2		5		76				<0.2		1.9	
						6.9	0.3	328	28.1		8.1		27.7		100.3		6.7		10.2		4		77				<0.2		1.9	
IM12	Fine	Moderate	13:46	7.7	Surface	1.0	0.2	264	28.5	28.5	8.2	8.2	25.3	25.3	98.2	98.2	6.6	6.5	8.3	10.4	3	3	72	74	821483	812025	<0.2	<0.2	2.0	2.0
						1.0	0.2	270	28.5		8.2		25.3		98.2		6.6		8.3		3		73				<0.2		2.0	
					Middle	3.9	0.6	270	28.0	28.0	8.1	8.1	26.8	26.8	95.4	95.4	6.4		10.7		3		74				<0.2		2.0	
						3.9	0.6	272	28.0		8.1		26.8		95.4		6.4		10.7		3		75				<0.2		2.0	
					Bottom	6.7	0.2	311	28.0	28.0	8.1	8.1	27.7	27.7	99.6	99.6	6.7	6.7	12.1		4		75				<0.2		2.0	
						6.7	0.2	328	28.0		8.1		27.7		99.6		6.7		12.1		4		74				<0.2		1.9	
SR2	Fine	Moderate	14:09	4.4	Surface	1.0	0.3	186	29.2	29.2	8.2	8.2	18.9	18.9	127.4	127.4	8.8	8.8	5.2	5.2	4	5	73	74	821461	814151	<0.2	<0.2	1.9	1.9
						1.0	0.3	195	29.2		8.2		18.9		127.4		8.8		5.2		5		73				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	161	29.0	29.0	8.2	8.2	22.9	22.9	126.1	126.1	8.6	8.6	5.2		5		76				<0.2		1.8	
						3.4	0.1	167	29.0		8.2		22.9		126.1		8.6		5.2		5		75				<0.2		1.8	
SR3	Fine	Moderate	13:04	8.2	Surface	1.0	0.2	251	29.8	29.8	8.1	8.1	15.9	15.9	99.2	99.2	6.9	6.6	6.6	7.5	4	3	-	-	822152	807561	-	-	-	-
						1.0	0.2	264	29.8		8.1		15.9		99.2		6.9		6.6		2		-				-		-	
					Middle	4.1	0.1	80	28.6	28.6	8.0	8.0	20.6	20.6	91.1	91.1	6.3		7.7		4		-				-		-	
						4.1	0.1	83	28.6		8.0		20.6		91.1		6.3		7.7		3		-				-		-	
					Bottom	7.2	0.1	312	28.3	28.3	8.0	8.0	24.5	24.5	92.9	92.9	6.3	6.3	8.1		4		-				-		-	
						7.2	0.1	325	28.3		8.0		24.5		92.9		6.3		8.1		3		-				-		-	
SR4A	Fine	Calm	14:28	8.9	Surface	1.0	0.2	240	29.0	29.0	8.2	8.2	25.0	25.0	101.6	101.5	6.8	6.5	9.6	12.4	5	6	-	-	817193	807808	-	-	-	-
						1.0	0.2	241	29.0		8.2		25.0		101.3		6.8		9.7		5		-				-		-	
					Middle	4.5	0.2	240	28.4	28.3	8.1	8.1	25.5	25.5	90.7	90.2	6.1		12.0		6		-				-		-	
						4.5	0.2	247	28.3		8.1		25.6		89.6		6.1		12.6		6		-				-		-	
					Bottom	7.9	0.1	67	27.9	27.9	8.1	8.1	27.1	27.1	90.4	90.4	6.1	6.1	15.3		6		-				-		-	
						7.9	0.2	71	27.9		8.1		27.1		90.4		6.1		15.3		7		-				-		-	
SR5A	Fine	Calm	14:47	5.0	Surface	1.0	0.1	301	28.5	28.5	8.1	8.1	24.9	24.9	98.2	98.2	6.6	6.6	10.4	10.7	4	5	-	-	816613	810684	-	-	-	-
						1.0	0.1	319	28.5		8.1		24.9		98.1		6.6		10.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	305	28.5	28.5	8.1	8.1	24.9	24.9	100.4	100.4	6.8	6.8	11.0		4		-				-		-	
						4.0	0.1	313	28.5		8.1		24.9		100.4		6.8		11.0		6		-				-		-	
SR6	Fine	Calm	15:11	4.9	Surface	1.0	0.1	240	28.7	28.7	8.2	8.2	23.9	23.9	101.8	101.8	6.9	6.9	14.6	14.5	4	5	-	-	817895	814667	-	-	-	-
						1.0	0.1	245	28.7		8.2		23.9		101.8		6.9		14.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	38	28.5	28.5	8.1	8.1	24.4	24.4	102.0	102.0	6.9	6.9	14.4		6		-				-		-	
						3.9	0.0	39	28.5		8.1		24.4		102.0		6.9		14.4		6		-				-		-	
SR7	Fine	Moderate	15:11	15.6	Surface	1.0	0.1	232	29.0	29.0	8.2	8.2	23.8	23.8	114.2	114.2	7.7	7.7	10.2	10.4	2	4	-	-	823613	823759	-	-	-	-
						1.0	0.1	245	29.0		8.2		23.8		114.2		7.7		10.2		4		-				-		-	
					Middle	7.8	0.1	141	29.1	29.1	8.2	8.2	23.8	23.8	114.8	114.8	7.7		11.7		5		-				-		-	
						7.8	0.2	143	29.1		8.2		23.8		114.8		7.7		11.7		4		-				-		-	
					Bottom	14.6	0.2	86	29.1	29.1	8.3	8.3	23.7	23.7	112.1	112.1	7.6	7.6	9.4		6		-				-		-	
						14.6	0.2	86	29.1		8.3		23.7		112.1		7.6		9.4		4		-				-		-	
SR8	Fine	Moderate	14:03	4.8	Surface	1.0	-	-	29.3	29.3	8.2	8.2	19.1	19.1	126.7	126.7	8.7	8.7	5.3	5.6	3	5	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.3		8.2		19.1		126.7		8.7		5.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.8	28.8	8.2	8.2	24.0	24.0	119.1	119.1	8.1	8.1	5.9		7		-				-		-	
						3.8	-	-	28.8		8.2		24.0		119.1		8.1		5.9		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Rough	11:17	8.6	Surface	1.0	0.5	203	28.8	28.8	8.4	8.4	20.7	20.7	121.3	121.3	8.4	8.2	7.0	11.4	7	7	78	80	815592	804233	<0.2	<0.2	1.7	1.6
						1.0	0.6	214	28.8		8.4		20.7		121.2		8.3		7.0		5		79				<0.2		1.9	
					Middle	4.3	0.6	204	28.7	28.7	8.4	8.4	20.8	20.8	115.3	115.2	8.0		8.1		6		79				<0.2		1.4	
						4.3	0.6	213	28.7		8.4		20.8		115.1		7.9		8.1		7		80				<0.2		1.9	
					Bottom	7.6	0.5	198	28.6	28.6	8.2	8.2	24.6	24.6	92.7	92.8	6.3	6.3	19.2		8		82				<0.2		1.5	
						7.6	0.6	202	28.6		8.2		24.6		92.8		6.3		18.8		8		83				<0.2		1.3	
C2	Cloudy	Moderate	12:49	11.5	Surface	1.0	0.5	180	29.0	29.0	8.3	8.3	19.5	19.5	118.2	118.2	8.2	7.6	9.5	13.2	22	22	77	80	825688	806932	<0.2	<0.2	1.6	1.3
						1.0	0.6	180	29.0		8.3		19.5		118.1		8.2		9.6		21		77				<0.2		1.3	
					Middle	5.8	0.9	144	28.9	28.9	8.3	8.3	19.6	19.6	102.2	102.0	7.1		12.2		21		80				<0.2		1.4	
						5.8	0.9	151	28.9		8.3		19.6		101.7		7.0		12.2		23		80				<0.2		1.2	
					Bottom	10.5	0.6	101	28.7	28.7	8.1	8.1	23.2	23.2	88.7	88.7	6.0	6.0	17.9		23		82				<0.2		1.2	
						10.5	0.6	101	28.7		8.1		23.2		88.7		6.0		18.0		21		82				<0.2		1.3	
C3	Cloudy	Moderate	10:36	12.7	Surface	1.0	0.5	121	29.0	29.0	8.4	8.4	20.3	20.3	113.8	113.8	7.8	7.7	10.1	10.7	22	22	78	80	822135	817774	<0.2	<0.2	1.1	1.2
						1.0	0.5	125	29.0		8.4		20.3		113.7		7.8		10.1		21		78				<0.2		1.0	
					Middle	6.4	0.2	84	29.0	29.0	8.4	8.4	20.5	20.5	109.5	109.6	7.5		10.6		22		80				<0.2		1.2	
						6.4	0.2	85	29.0		8.4		20.5		109.6		7.5		10.6		22		80				<0.2		1.2	
					Bottom	11.7	0.5	49	28.9	28.9	8.3	8.3	21.3	21.3	102.5	102.5	7.0	7.0	11.3		22		82				<0.2		1.3	
						11.7	0.5	51	28.9		8.3		21.3		102.4		7.0		11.3		21		82				<0.2		1.2	
IM1	Cloudy	Moderate	11:41	5.2	Surface	1.0	0.1	58	28.8	28.8	8.5	8.5	19.9	19.9	125.9	125.8	8.7	8.7	9.5	9.9	7	9	77	79	817925	807111	<0.2	<0.2	1.6	1.6
						1.0	0.1	61	28.8		8.5		19.9		125.6		8.7		9.7		9		78				<0.2		1.6	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	45	28.7	28.7	8.4	8.4	20.5	20.5	120.6	120.5	8.3	8.3	10.2		9		80				<0.2		1.5	
						4.2	0.1	45	28.7		8.4		20.4		120.4		8.3		10.2		9		80				<0.2		1.6	
IM2	Cloudy	Moderate	11:50	7.5	Surface	1.0	0.6	179	28.9	28.9	8.5	8.5	19.3	19.3	126.9	126.8	8.8	8.4	9.8	13.2	9	9	78	81	818142	806164	<0.2	<0.2	1.9	1.6
						1.0	0.7	186	28.9		8.5		19.3		126.7		8.8		9.7		8		79				<0.2		1.6	
					Middle	3.8	0.6	182	28.7	28.7	8.4	8.4	20.0	20.0	115.2	115.1	8.0		12.2		9		80				<0.2		1.4	
						3.8	0.7	188	28.7		8.4		20.0		114.9		8.0		12.3		9		80				<0.2		1.5	
					Bottom	6.5	0.5	180	28.5	28.5	8.2	8.2	24.3	24.3	94.8	95.0	6.4	6.5	17.6		9		83				<0.2		1.4	
						6.5	0.6	182	28.5		8.2		24.3		95.1		6.5		17.5		10		83				<0.2		1.6	
IM3	Cloudy	Moderate	12:01	7.5	Surface	1.0	0.4	239	28.8	28.8	8.4	8.4	19.7	19.7	120.5	120.4	8.3	7.8	11.7	18.0	9	10	78	80	818805	805595	<0.2	<0.2	1.4	1.4
						1.0	0.4	243	28.8		8.4		19.7		120.3		8.3		11.8		10		78				<0.2		1.6	
					Middle	3.8	0.5	225	28.7	28.7	8.3	8.3	20.6	20.6	104.0	104.0	7.2		18.6		10		80				<0.2		1.5	
						3.8	0.5	228	28.7		8.3		20.6		103.9		7.2		18.8		9		81				<0.2		1.3	
					Bottom	6.5	0.4	231	28.7	28.7	8.2	8.2	21.3	21.3	101.3	101.4	7.0	7.0	23.8		9		82				<0.2		1.3	
						6.5	0.4	234	28.7		8.2		21.3		101.4		7.0		23.0		11		83				<0.2		1.5	
IM4	Cloudy	Moderate	12:11	7.6	Surface	1.0	0.8	176	29.1	29.1	8.5	8.5	18.1	18.1	127.3	127.3	8.9	7.9	10.3	17.2	6	7	78	80	819743	804605	<0.2	<0.2	1.4	1.4
						1.0	0.8	192	29.1		8.5		18.1		127.3		8.9		10.4		6		78				<0.2		1.3	
					Middle	3.8	0.7	183	28.8	28.8	8.3	8.3	19.7	19.7	99.4	99.3	6.9		17.2		6		80				<0.2		1.3	
						3.8	0.8	192	28.8		8.3		19.7		99.2		6.9		16.8		8		80				<0.2		1.6	
					Bottom	6.6	0.5	178	28.6	28.6	8.2	8.2	22.0	22.0	93.6	93.7	6.4	6.4	24.2		7		82				<0.2		1.5	
						6.6	0.5	190	28.6		8.2		22.0		93.8		6.4		24.5		9		83				<0.2		1.3	
IM5	Cloudy	Moderate	12:23	6.5	Surface	1.0	0.8	216	29.0	29.0	8.5	8.5	17.4	17.4	126.9	126.7	8.9	7.8	11.0	15.6	7	8	79	81	820762	804854	<0.2	<0.2	1.5	1.7
						1.0	0.8	236	29.0		8.5		17.4		126.5		8.8		11.2		7		79				<0.2		1.7	
					Middle	3.3	0.7	230	28.7	28.7	8.2	8.2	20.3	20.3	96.4	96.4	6.7		15.1		7		80				<0.2		1.7	
						3.3	0.7	234	28.7		8.2		20.2		96.4		6.7		15.1		8		81				<0.2		1.6	
					Bottom	5.5	0.6	246	28.7	28.7	8.1	8.1	21.3	21.3	95.4	95.5	6.6	6.6	20.2		8		82				<0.2		1.7	
						5.5	0.6	260	28.7		8.1		21.3		95.6		6.6		20.9		9		82				<0.2		1.8	
IM6	Cloudy	Moderate	12:36	6.4	Surface	1.0	0.7	216	29.0	29.0	8.4	8.4	18.3	18.3	120.7	120.6	8.4	7.8	12.3	16.3	6	9	78	80	821072	805812	<0.2	<0.2	1.5	1.6
						1.0	0.7	231	29.0		8.4		18.3		120.4		8.4		12.4		8		78				<0.2		1.6	
					Middle	3.2	0.7	233	28.9	28.9	8.3	8.3	20.1	20.1	104.9	104.8	7.2		15.2		8		80				<0.2		1.5	
						3.2	0.7	248	28.9		8.3		20.1		104.6		7.2		15.5		9		80				<0.2		1.6	
					Bottom	5.4	0.6	230	28.7	28.7	8.1	8.1	22.8	22.8	89.3	89.4	6.1	6.1	21.1		10		82				<0.2		1.6	
						5.4	0.6	239	28.7		8.1		22.8		89.4		6.1		21.2		10		83				<0.2		1.6	
IM7	Cloudy	Moderate	12:47	8.0	Surface	1.0	0.8	211	29.0	29.0	8.4	8.4	19.3	19.3	116.1	116.1	8.0	7.4	8.6	14.1	6	7	78	80	821334	806839	<0.2	<0.2	1.8	1.7
						1.0	0.8	230	29.0		8.4		19.3		116.1		8.0		8.5		5		79				<0.2		1.7	
					Middle	4.0	0.8	203	28.9	28.9	8.2	8.2	20.1	20.1	97.6	97.6	6.7		12.2		8		80				<0.2		1.6	
						4.0	0.9	221	28.9		8.2		20.1		97.5		6.7		12.3		8		81				<0.2		1.4	
					Bottom	7.0	0.5	219	28.7	28.7	8.1	8.1	23.6	23.6	88.9	88.9	6.0	6.0	21.3		8		82				<0.2		1.8	
						7.0	0.6	222	28.7		8.1		23.6		88.9		6.0		21.5		8		82				<0.2		1.6	
IM8	Cloudy	Moderate	12:20	8.2	Surface	1.0	0.3	169	29.0	29.0	8.4	8.4	17.6	17.6	115.6	115.2	8.1	7.3	15.3	18.8	17	19	78	80	821846	808160	<0.2	<0.2	1.3	1.3
						1.0	0.3	181	29.0		8.4		17.6		114.7		8.0		15.6		16		78				<0.2		1.1	
					Middle	4.1	0.3	131	28.7	28.7	8.2	8.2	20.1	20.1	95.8	95.8	6.6		18.4		18		80				<0.2		1.3	
						4.1	0.3	141	28.7		8.2		20.2		95.8		6.6		18.7		20		80				<0.2		1.5	
					Bottom	7.2	0.3	127	28.7	28.7	8.1	8.1	21.5	21.5	90.0	90.0	6.2	6.2	22.4		22		83				<0.2		1.3	
						7.2	0.4	130	28.7		8.1		21.5		89.9		6.2		22.4		21		83				<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 24 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:11	7.8	Surface	1.0	0.3	154	29.1	29.0	8.4	8.4	18.3	18.3	125.1	124.9	8.7	8.1	11.5	17.2	11	16	78	80	822070	808785	<0.2	<0.2	1.1	1.2
						1.0	0.3	159	29.0		8.4		18.3		124.7		8.7		11.6		10		78				<0.2		1.2	
					Middle	3.9	0.3	149	28.9	28.9	8.3	8.3	18.8	18.8	107.7	107.7	7.5		18.9		15		80				<0.2		1.3	
						3.9	0.4	149	28.9		8.3		18.8		107.7		7.5		19.0		17		80				<0.2		1.4	
					Bottom	6.8	0.4	112	28.6	28.6	8.2	8.2	22.1	22.1	94.2	94.3	6.5	6.5	21.2		19		82				<0.2		1.3	
						6.8	0.4	113	28.6		8.2		22.1		94.4		6.5		21.2		21		82				<0.2		1.1	
IM10	Cloudy	Moderate	12:06	7.5	Surface	1.0	0.6	173	28.8	28.8	8.4	8.4	19.8	19.8	115.3	115.3	8.0	7.6	12.1	16.0	24	18	78	80	822384	809812	<0.2	<0.2	1.1	1.2
						1.0	0.6	189	28.8		8.4		19.8		115.2		8.0		12.2		23		78				<0.2		1.3	
					Middle	3.8	0.5	153	28.7	28.7	8.3	8.3	20.5	20.5	104.2	104.2	7.2		16.3		16		80				<0.2		1.2	
						3.8	0.6	164	28.7		8.3		20.5		104.2		7.2		16.4		14		80				<0.2		1.2	
					Bottom	6.5	0.4	109	28.7	28.7	8.2	8.2	21.4	21.4	105.5	105.7	7.2	7.3	19.4		14		82				<0.2		1.2	
						6.5	0.4	114	28.7		8.2		21.4		105.8		7.3		19.5		17		83				<0.2		1.1	
IM11	Cloudy	Moderate	11:58	7.8	Surface	1.0	0.7	116	28.9	28.9	8.4	8.4	19.5	19.5	122.1	122.0	8.5	8.0	10.5	15.3	16	16	78	80	822074	811469	<0.2	<0.2	1.2	1.2
						1.0	0.7	117	28.9		8.4		19.5		121.8		8.4		10.6		14		78				<0.2		1.1	
					Middle	3.9	0.7	128	28.7	28.7	8.4	8.4	20.1	20.1	110.5	110.2	7.6		12.7		18		80				<0.2		1.3	
						3.9	0.7	131	28.7		8.4		20.1		109.9		7.6		12.8		16		80				<0.2		1.2	
					Bottom	6.8	0.4	119	28.4	28.4	8.2	8.2	24.8	24.8	92.2	92.4	6.2	6.3	22.6		18		82				<0.2		1.2	
						6.8	0.4	120	28.4		8.2		24.8		92.6		6.3		22.4		16		82				<0.2		1.2	
IM12	Cloudy	Moderate	11:48	8.8	Surface	1.0	0.6	154	28.8	28.8	8.4	8.4	20.0	20.0	130.2	130.3	9.0	8.9	9.1	9.5	14	14	78	80	821469	812043	<0.2	<0.2	1.4	1.4
						1.0	0.6	162	28.8		8.4		20.0		130.3		9.0		9.1		13		78				<0.2		1.3	
					Middle	4.4	0.6	141	28.8	28.8	8.4	8.4	20.0	20.0	126.7	126.7	8.8		9.4		14		80				<0.2		1.6	
						4.4	0.7	148	28.8		8.4		20.0		126.6		8.8		9.4		15		80				<0.2		1.2	
					Bottom	7.8	0.6	112	28.7	28.7	8.4	8.4	20.4	20.4	121.5	121.5	8.4	8.4	9.9		15		83				<0.2		1.4	
						7.8	0.6	114	28.7		8.4		20.4		121.5		8.4		9.9		15		82				<0.2		1.3	
SR2	Cloudy	Moderate	11:04	4.8	Surface	1.0	0.5	87	28.7	28.7	8.4	8.4	20.5	20.5	115.1	115.0	8.0	8.0	10.4	10.5	22	22	78	79	821455	814180	<0.2	<0.2	1.1	1.2
						1.0	0.5	89	28.7		8.4		20.5		114.9		7.9		10.4		21		78				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	66	28.6	28.6	8.3	8.3	20.6	20.6	110.8	110.7	7.7	7.7	10.5		22		80				<0.2		1.2	
						3.8	0.2	66	28.6		8.3		20.6		110.6		7.6		10.5		21		80				<0.2		1.2	
SR3	Cloudy	Moderate	12:29	9.7	Surface	1.0	0.4	183	29.2	29.2	8.5	8.5	17.4	17.4	133.2	133.1	9.3	8.3	11.2	17.1	23	23	-	-	822157	807592	-	-	-	-
						1.0	0.4	191	29.2		8.5		17.4		133.0		9.3		11.3		22		-				-		-	
					Middle	4.9	0.2	126	28.9	28.9	8.4	8.3	18.6	18.6	104.5	104.2	7.3		17.1		22		-				-		-	
						4.9	0.2	131	28.9		8.3		18.6		103.9		7.2		17.4		23		-				-		-	
					Bottom	8.7	0.3	96	28.7	28.7	8.1	8.1	23.2	23.2	92.4	92.6	6.3	6.3	22.8		24		-				-		-	
						8.7	0.4	101	28.7		8.1		23.2		92.8		6.3		22.8		22		-				-		-	
SR4A	Cloudy	Moderate	10:56	9.6	Surface	1.0	0.1	2	28.7	28.7	8.4	8.4	20.4	20.4	110.6	110.5	7.6	6.9	10.8	15.0	11	12	-	-	817193	807817	-	-	-	-
						1.0	0.1	2	28.7		8.4		20.4		110.3		7.6		10.8		12		-				-		-	
					Middle	4.8	0.0	281	28.6	28.6	8.3	8.3	20.9	20.9	88.7	88.4	6.1		14.1		12		-				-		-	
						4.8	0.0	293	28.6		8.3		20.9		88.1		6.1		14.1		12		-				-		-	
					Bottom	8.6	0.1	42	28.3	28.3	8.0	8.0	27.8	27.8	73.0	73.1	4.9	4.9	20.1		13		-				-		-	
						8.6	0.1	45	28.3		8.0		27.8		73.2		4.9		20.0		13		-				-		-	
SR5A	Cloudy	Moderate	10:38	5.4	Surface	1.0	0.0	56	29.0	29.0	8.5	8.5	20.3	20.3	112.3	112.2	7.7	7.7	9.3	10.2	9	9	-	-	816605	810708	-	-	-	-
						1.0	0.0	61	29.0		8.5		20.3		112.1		7.7		9.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	344	28.9	28.9	8.4	8.4	21.2	21.2	104.3	104.3	7.2	7.2	11.1		9		-				-		-	
						4.4	0.1	316	28.9		8.4		21.2		104.2		7.1		11.1		9		-				-		-	
SR6	Cloudy	Moderate	10:08	4.6	Surface	1.0	0.0	17	28.9	28.8	8.2	8.2	22.0	22.1	92.3	91.8	6.3	6.3	13.8	15.3	10	10	-	-	817884	814640	-	-	-	-
						1.0	0.0	17	28.8		8.2		22.1		91.3		6.2		14.3		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	163	28.7	28.7	8.0	8.0	23.3	23.3	82.0	82.0	5.6	5.6	16.5		10		-				-		-	
						3.6	0.0	172	28.7		8.0		23.3		82.0		5.6		16.6		10		-				-		-	
SR7	Cloudy	Moderate	10:00	18.8	Surface	1.0	0.5	98	28.9	28.9	8.2	8.2	21.9	21.9	98.6	98.7	6.7	6.7	10.3	11.6	19	20	-	-	823610	823760	-	-	-	-
						1.0	0.5	105	28.9		8.2		21.9		98.7		6.7		10.3		20		-				-		-	
					Middle	9.4	0.4	90	28.8	28.8	8.2	8.2	22.6	22.6	96.4	96.5	6.6		9.5		20		-				-		-	
						9.4	0.4	98	28.8		8.2		22.6		96.5		6.6		9.5		19		-				-		-	
					Bottom	17.8	0.3	75	28.7	28.7	8.0	8.0	23.2	23.2	83.7	83.7	5.7	5.7	14.9		20		-				-		-	
						17.8	0.4	75	28.7		8.0		23.2		83.7		5.7		14.9		21		-				-		-	
SR8	Cloudy	Moderate	11:17	4.0	Surface	1.0	-	-	28.8	28.8	8.4	8.4	20.8	20.8	119.9	119.9	8.3	8.3	8.0	8.1	20	20	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.8		8.4		20.8		119.8		8.3		8.0		20		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	28.7	28.7	8.3	8.3	20.8	20.8	115.0	114.9	7.9	7.9	8.2		21		-				-		-	
						3.0	-	-	28.7		8.3		20.8		114.7		7.9		8.2		20		-				-		-	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 July 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	17:59	7.6	Surface	1.0	0.1	122	29.4	29.4	8.6	8.6	18.6	18.6	142.7	142.5	9.8	8.6	12.0	17.5	11	13	78	81	815649	804219	<0.2	<0.2	1.6	1.6
						1.0	0.1	129	29.4		8.6		18.6		142.2		9.8		12.0		11		79				<0.2		1.5	
					Middle	3.8	0.1	178	28.9	28.9	8.4	8.4	21.0	21.0	106.6	106.6	7.3		18.1		12		81				<0.2		1.4	
						3.8	0.1	182	28.9		8.4		21.0		106.6		7.3		18.2		14		81				<0.2		1.7	
					Bottom	6.6	0.1	357	28.7	28.7	8.2	8.2	21.9	21.9	98.5	98.6	6.8	6.8	22.4		14		83				<0.2		1.6	
						6.6	0.1	328	28.7		8.2		21.9		98.6		6.8		22.4		15		83				<0.2		1.8	
C2	Cloudy	Moderate	16:42	12.7	Surface	1.0	0.5	219	29.1	29.1	8.1	8.1	18.6	18.6	93.3	93.4	6.5	6.5	15.8	18.1	12	12	79	81	825684	806934	<0.2	<0.2	1.5	1.4
						1.0	0.6	237	29.1		8.1		18.7		93.4		6.5		15.9		10		79				<0.2		1.3	
					Middle	6.4	0.6	185	29.0	29.0	8.1	8.1	19.5	19.4	93.1	93.2	6.4		18.0		12		81				<0.2		1.5	
						6.4	0.6	197	29.0		8.1		19.4		93.2		6.4		18.1		12		81				<0.2		1.3	
					Bottom	11.7	0.1	293	28.9	28.9	8.1	8.1	19.9	19.9	94.0	94.1	6.5	6.5	20.3		13		83				<0.2		1.4	
						11.7	0.1	312	28.9		8.1		19.9		94.1		6.5		20.4		13		83				<0.2		1.5	
C3	Cloudy	Moderate	18:21	12.4	Surface	1.0	0.3	232	29.1	29.1	8.3	8.3	21.9	21.9	105.7	105.6	7.2	7.1	14.6	16.4	11	14	78	80	822081	817831	<0.2	<0.2	1.4	1.4
						1.0	0.3	242	29.1		8.3		21.9		105.5		7.2		14.6		12		78				<0.2		1.3	
					Middle	6.2	0.5	251	29.0	29.0	8.3	8.3	22.2	22.2	101.0	101.0	6.9		16.4		14		80				<0.2		1.5	
						6.2	0.5	254	29.0		8.3		22.2		101.0		6.9		16.4		14		80				<0.2		1.4	
					Bottom	11.4	0.3	280	28.9	28.9	8.2	8.2	23.4	23.4	97.4	97.5	6.6	6.6	18.1		17		82				<0.2		1.4	
						11.4	0.3	292	28.9		8.2		23.4		97.6		6.6		18.1		15		83				<0.2		1.5	
IM1	Cloudy	Moderate	17:34	4.4	Surface	1.0	0.1	87	28.8	28.8	8.4	8.4	21.2	21.2	110.6	110.5	7.6	7.6	13.9	13.2	17	18	79	80	817938	807106	<0.2	<0.2	1.8	1.6
						1.0	0.1	94	28.8		8.4		21.2		110.3		7.6		13.8		15		79				<0.2		1.5	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	21	28.7	28.7	8.3	8.3	22.0	22.0	106.4	106.5	7.3	7.3	12.6		19		80				<0.2		1.6	
						3.4	0.1	22	28.7		8.3		22.0		106.5		7.3		12.6		21		81				<0.2		1.6	
IM2	Cloudy	Moderate	17:26	6.6	Surface	1.0	0.2	207	29.1	29.1	8.4	8.4	19.5	19.5	131.9	131.9	9.1	9.0	11.7	11.9	18	21	76	80	818163	806177	<0.2	<0.2	2.0	1.9
						1.0	0.3	224	29.1		8.4		19.5		131.9		9.1		11.8		20		76				<0.2		1.7	
					Middle	3.3	0.1	223	29.0	29.0	8.5	8.5	20.2	20.2	130.0	129.9	9.0		12.4		19		80				<0.2		1.8	
						3.3	0.2	237	29.0		8.5		20.2		129.8		8.9		12.5		22		80				<0.2		1.8	
					Bottom	5.6	0.1	245	28.9	28.9	8.5	8.5	20.8	20.7	125.5	125.4	8.6	8.6	11.6		20		83				<0.2		1.9	
						5.6	0.1	247	28.9		8.5		20.7		125.3		8.6		11.6		24		83				<0.2		2.0	
IM3	Cloudy	Moderate	17:17	6.8	Surface	1.0	0.3	236	29.0	29.0	8.3	8.3	18.7	18.7	115.0	115.0	8.0	8.0	14.6	16.9	22	23	78	80	818789	805587	<0.2	<0.2	2.3	2.2
						1.0	0.3	237	29.0		8.3		18.7		115.0		8.0		14.5		21		78				<0.2		2.0	
					Middle	3.4	0.3	255	29.0	29.0	8.3	8.3	19.5	19.5	115.0	115.0	8.0		16.9		24		80				<0.2		2.3	
						3.4	0.3	275	29.0		8.3		19.5		114.9		7.9		17.1		23		81				<0.2		2.0	
					Bottom	5.8	0.2	272	28.9	28.9	8.3	8.3	20.3	20.3	111.9	111.9	7.7	7.7	19.0		24		82				<0.2		2.0	
						5.8	0.2	287	28.9		8.3		20.3		111.8		7.7		19.1		23		82				<0.2		2.4	
IM4	Cloudy	Moderate	17:05	6.7	Surface	1.0	0.4	265	29.1	29.1	8.2	8.2	19.1	19.1	101.8	101.8	7.0	7.0	17.1	20.0	24	24	78	81	819750	804585	<0.2	<0.2	2.1	2.1
						1.0	0.4	274	29.1		8.2		19.1		101.8		7.0		17.1		24		79				<0.2		2.4	
					Middle	3.4	0.4	253	29.0	29.0	8.2	8.2	19.3	19.3	99.0	99.0	6.9		20.3		26		81				<0.2		2.1	
						3.4	0.4	255	29.0		8.2		19.3		99.0		6.9		20.4		23		81				<0.2		2.0	
					Bottom	5.7	0.4	238	28.9	28.9	8.1	8.1	20.1	20.1	97.9	98.0	6.8	6.8	22.5		23		82				<0.2		1.9	
						5.7	0.4	242	28.9		8.1		20.1		98.0		6.8		22.6		25		83				<0.2		1.8	
IM5	Cloudy	Moderate	16:55	6.2	Surface	1.0	0.6	254	29.1	29.1	8.2	8.2	19.2	19.2	98.2	98.2	6.8	6.6	16.2	19.5	22	22	77	80	820751	804877	<0.2	<0.2	1.6	1.6
						1.0	0.6	266	29.1		8.2		19.2		98.2		6.8		16.3		21		77				<0.2		1.6	
					Middle	3.1	0.5	254	28.8	28.8	8.1	8.1	20.7	20.7	92.0	92.0	6.3		19.3		21		80				<0.2		1.8	
						3.1	0.6	267	28.8		8.1		20.7		92.0		6.3		19.4		22		80				<0.2		1.6	
					Bottom	5.2	0.4	235	28.8	28.8	8.1	8.1	21.0	21.0	92.7	92.8	6.4	6.4	22.7		22		82				<0.2		1.4	
						5.2	0.4	250	28.8		8.1		21.0		92.8		6.4		22.9		23		82				<0.2		1.5	
IM6	Cloudy	Moderate	16:47	6.1	Surface	1.0	0.7	257	29.1	29.1	8.1	8.1	18.9	18.9	95.6	95.6	6.6	6.6	13.1	16.9	18	20	76	78	821065	805852	<0.2	<0.2	1.6	1.9
						1.0	0.8	258	29.1		8.1		18.9		95.5		6.6		13.3		17		76				<0.2		1.7	
					Middle	3.1	0.6	256	28.9	28.9	8.1	8.1	19.7	19.7	93.4	93.4	6.5		17.2		21		78				<0.2		1.9	
						3.1	0.6	269	28.9		8.1		19.7		93.4		6.5		17.3		19		78				<0.2		2.0	
					Bottom	5.1	0.5	257	28.9	28.9	8.1	8.1	19.8	19.8	95.0	95.1	6.6	6.6	20.3		22		80				<0.2		2.2	
						5.1	0.5	258	28.9		8.1		19.8		95.1		6.6		20.3		22		80				<0.2		2.1	
IM7	Cloudy	Moderate	16:40	7.5	Surface	1.0	0.9	241	29.0	29.0	8.1	8.1	18.6	18.6	94.5	94.6	6.6	6.6	15.2	18.0	17	18	78	80	821342	806818	<0.2	<0.2	2.0	2.1
						1.0	0.9	255	29.0		8.1		18.6		94.6		6.6		15.2		15		78				<0.2		2.1	
					Middle	3.8	0.7	246	29.0	29.0	8.1	8.1	19.0	19.0	94.5	94.5	6.5		16.6		20		80				<0.2		1.9	
						3.8	0.7	251	29.0		8.1		19.0		94.5		6.6		16.5		18		80				<0.2		2.0	
					Bottom	6.5	0.7	251	28.9	28.9	8.1	8.1	19.7	19.7	95.1	95.1	6.6	6.6	22.1		18		82				<0.2		2.2	
						6.5	0.7	261	28.9		8.1		19.7		95.1		6.6		22.1		20		82				<0.2		2.2	
IM8	Cloudy	Moderate	17:04	8.0	Surface	1.0	0.3	246	29.1	29.1	8.1	8.1	19.5	19.5	96.0	96.1	6.6	6.4	17.0	20.1	14	14	79	81	821831	808140	<0.2	<0.2	2.0	2.1
						1.0	0.4	260	29.1		8.1		19.5		96.1		6.6		17.1		12		79				<0.2		2.1	
					Middle	4.0	0.3	272	28.8	28.8	8.1	8.1	21.1	21.0	90.8	90.9	6.2		20.6		14		81				<0.2		2.2	
						4.0	0.3	274	28.8		8.1		21.0		91.0		6.3		20.9		13		81				<0.2		2.0	
					Bottom	7.0	0.1	59	28.8	28.8	8.1	8.1	21.3	21.3	90.6	90.7	6.2	6.2	22.4		15		83				<0.2		2.1	
						7.0	0.1	63	28.8		8.1		21.3		90.7		6.2		22.6		13		83				<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 24 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:11	7.9	Surface	1.0	0.2	229	29.1	29.1	8.2	8.2	19.3	19.3	100.2	100.2	6.9	6.8	16.6	18.9	13	13	79	81	822102	808836	<0.2	<0.2	1.9	2.1
						1.0	0.2	246	29.1		8.2		19.3		100.2		6.9		16.6		12		78				<0.2		2.1	
					Middle	4.0	0.2	243	29.0	29.0	8.1	8.1	19.4	19.4	97.5	97.5	6.7		19.3		12		81				<0.2		2.1	
						4.0	0.2	267	29.0		8.1		19.4		97.5		6.7		19.6		13		80				<0.2		2.2	
					Bottom	6.9	0.1	281	29.0	29.0	8.1	8.1	19.9	19.9	97.4	97.4	6.7	6.7	20.6		15		83				<0.2		2.3	
						6.9	0.1	297	29.0		8.1		19.9		97.4		6.7		20.6		13		83				<0.2		1.9	
IM10	Cloudy	Moderate	17:19	8.1	Surface	1.0	0.3	310	29.0	29.0	8.3	8.3	19.0	19.0	111.3	111.3	7.7	7.7	14.5	18.1	14	15	78	81	822385	809776	<0.2	<0.2	2.0	2.0
						1.0	0.3	322	29.0		8.3		19.0		111.2		7.7		14.6		14		79				<0.2		1.9	
					Middle	4.1	0.3	345	29.0	29.0	8.3	8.3	19.3	19.2	109.7	109.7	7.6		18.2		16		80				<0.2		2.1	
						4.1	0.3	317	29.0		8.3		19.2		109.6		7.6		18.4		15		81				<0.2		2.1	
					Bottom	7.1	0.1	358	28.9	28.9	8.3	8.3	20.6	20.6	107.6	107.5	7.4	7.4	21.2		15		83				<0.2		2.0	
						7.1	0.1	329	28.9		8.3		20.6		107.4		7.4		21.4		16		83				<0.2		1.8	
IM11	Cloudy	Moderate	17:31	8.2	Surface	1.0	0.4	309	29.0	29.0	8.4	8.4	19.8	19.8	129.6	129.8	8.9	8.9	12.3	12.5	13	17	79	81	822074	811446	<0.2	<0.2	2.2	2.2
						1.0	0.4	330	29.0		8.4		19.9		129.9		9.0		12.3		15		79				<0.2		2.4	
					Middle	4.1	0.4	285	29.0	29.0	8.5	8.5	20.5	20.5	130.1	130.1	8.9		12.6		17		81				<0.2		2.3	
						4.1	0.4	287	29.0		8.5		20.5		130.0		8.9		12.7		18		81				<0.2		2.3	
					Bottom	7.2	0.3	292	28.9	28.9	8.5	8.5	20.9	20.8	121.5	121.4	8.3	8.3	12.5		18		83				<0.2		2.0	
						7.2	0.3	307	28.9		8.5		20.8		121.2		8.3		12.5		18		83				<0.2		1.8	
IM12	Cloudy	Moderate	17:40	8.5	Surface	1.0	0.5	277	28.9	28.9	8.4	8.4	21.3	21.3	116.9	116.9	8.0	7.8	13.2	13.9	15	15	79	81	821442	812063	<0.2	<0.2	2.0	1.9
						1.0	0.5	280	28.9		8.4		21.3		116.8		8.0		13.2		15		79				<0.2		1.9	
					Middle	4.3	0.6	293	28.8	28.8	8.4	8.4	21.6	21.6	108.8	108.8	7.5		13.7		14		81				<0.2		1.8	
						4.3	0.6	294	28.8		8.4		21.6		108.8		7.5		13.7		15		81				<0.2		1.9	
					Bottom	7.5	0.3	280	28.7	28.7	8.4	8.4	22.1	22.0	108.6	108.6	7.4	7.4	14.6		15		83				<0.2		1.9	
						7.5	0.3	288	28.7		8.4		22.0		108.5		7.4		14.7		16		83				<0.2		1.9	
SR2	Cloudy	Moderate	17:59	5.3	Surface	1.0	0.0	336	29.2	29.2	8.3	8.3	21.7	21.7	111.0	111.0	7.6	7.6	14.7	14.7	16	16	79	80	821479	814186	<0.2	<0.2	2.2	2.1
						1.0	0.0	336	29.2		8.3		21.7		110.9		7.5		14.7		16		78				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	337	29.1	29.1	8.3	8.3	21.9	21.9	106.9	106.8	7.3	7.3	14.7		15		81				<0.2		2.1	
						4.3	0.1	343	29.1		8.3		21.9		106.6		7.3		14.6		16		81				<0.2		2.0	
SR3	Cloudy	Moderate	16:57	9.1	Surface	1.0	0.4	228	29.2	29.2	8.1	8.1	18.8	18.7	97.6	97.5	6.8	6.5	16.1	20.0	11	12	-	-	822169	807571	-	-	-	-
						1.0	0.4	238	29.2		8.1		18.7		97.4		6.7		16.2		11		-				-		-	
					Middle	4.6	0.3	232	28.9	28.9	8.1	8.1	20.0	20.0	91.8	91.8	6.3		20.0		12		-				-		-	
						4.6	0.4	242	28.9		8.1		20.0		91.7		6.3		20.3		13		-				-		-	
					Bottom	8.1	0.3	284	28.9	28.9	8.1	8.1	20.1	20.1	93.2	93.2	6.4	6.4	23.6		13		-				-		-	
						8.1	0.3	287	28.9		8.1		20.1		93.2		6.4		23.5		12		-				-		-	
SR4A	Cloudy	Moderate	18:20	8.5	Surface	1.0	0.3	243	29.2	29.2	8.4	8.4	21.4	21.4	111.4	111.4	7.6	7.3	14.8	18.3	11	11	-	-	817190	807827	-	-	-	-
						1.0	0.3	249	29.2		8.4		21.4		111.3		7.6		14.8		10		-				-		-	
					Middle	4.3	0.4	237	29.0	29.0	8.3	8.3	22.0	22.0	103.6	103.5	7.1		18.0		12		-				-		-	
						4.3	0.4	257	29.0		8.3		22.0		103.4		7.0		18.0		11		-				-		-	
					Bottom	7.5	0.3	234	28.8	28.8	8.2	8.2	23.4	23.4	92.9	93.0	6.3	6.3	22.1		12		-				-		-	
						7.5	0.3	239	28.8		8.2		23.4		93.0		6.3		22.3		12		-				-		-	
SR5A	Cloudy	Moderate	18:40	4.8	Surface	1.0	0.3	286	29.2	29.2	8.4	8.4	20.8	20.8	117.2	117.1	8.0	8.0	10.9	14.1	14	14	-	-	816604	810669	-	-	-	-
						1.0	0.3	291	29.2		8.4		20.8		117.0		8.0		10.9		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	300	28.9	28.9	8.2	8.2	23.0	23.0	97.1	97.2	6.6	6.6	17.2		14		-				-		-	
						3.8	0.2	319	28.9		8.2		23.0		97.2		6.6		17.3		15		-				-		-	
SR6	Cloudy	Moderate	19:11	3.7	Surface	1.0	0.2	279	29.0	29.0	8.4	8.4	20.6	20.6	124.8	124.7	8.6	8.6	14.5	16.6	11	11	-	-	817887	814637	-	-	-	-
						1.0	0.2	280	29.0		8.4		20.6		124.5		8.5		14.6		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	297	28.9	28.9	8.2	8.2	22.7	22.7	106.1	106.1	7.2	7.2	18.6		11		-				-		-	
						2.7	0.1	309	28.9		8.2		22.7		106.1		7.2		18.6		12		-				-		-	
SR7	Cloudy	Moderate	18:55	18.4	Surface	1.0	0.1	309	29.0	29.0	8.4	8.4	21.2	21.2	124.6	124.6	8.5	8.3	16.5	18.1	12	12	-	-	823643	823761	-	-	-	-
						1.0	0.1	336	29.0		8.4		21.2		124.5		8.5		16.5		12		-				-		-	
					Middle	9.2	0.1	48	29.0	29.0	8.3	8.3	21.7	21.7	116.7	116.6	8.0		18.1		12		-				-		-	
						9.2	0.1	52	29.0		8.3		21.7		116.5		8.0		18.1		12		-				-		-	
					Bottom	17.4	0.1	67	28.9	28.9	8.2	8.2	22.3	22.3	102.4	102.4	7.0	7.0	19.6		12		-				-		-	
						17.4	0.1	73	28.9		8.2		22.3		102.3		7.0		19.7		13		-				-		-	
SR8	Cloudy	Moderate	17:46	3.7	Surface	1.0	-	-	29.4	29.4	8.5	8.5	19.1	19.1	145.4	145.2	10.0	10.0	11.7	12.4	12	13	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.4		8.5		19.1		145.0		10.0		11.7		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	-	-	29.0	29.0	8.4	8.4	21.2	21.2	120.3	120.3	8.2	8.2	13.0		14		-				-		-	
						2.7	-	-	29.0		8.4		21.2		120.3		8.2		13.1		13		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	12:41	8.3	Surface	1.0	0.7	214	30.0	30.0	8.2	8.2	17.2	17.2	105.6	105.6	7.3	7.0	7.3	11.7	3	4	78	80	815643	804268	<0.2	<0.2	1.6	1.5
						1.0	0.7	231	30.0		8.2		17.2		105.6		7.3		7.3		4		78				<0.2		1.5	
					Middle	4.2	0.7	225	29.3	29.3	8.3	8.3	22.4	22.4	98.4	98.3	6.7		12.0		4		80				<0.2		1.5	
						4.2	0.7	237	29.3		8.3		22.4		98.2		6.7		12.2		4		80				<0.2		1.4	
					Bottom	7.3	0.5	228	28.8	28.8	8.2	8.2	26.1	26.1	84.2	84.3	5.6	5.6	15.9		4		82				<0.2		1.5	
						7.3	0.5	249	28.8		8.2		26.1		84.3		5.6		15.2		4		82				<0.2		1.4	
C2	Fine	Moderate	13:38	10.8	Surface	1.0	1.3	177	30.1	30.1	8.1	8.1	17.8	17.8	94.1	94.1	6.4	6.1	10.4	15.3	3	4	77	80	825655	806959	<0.2	<0.2	2.1	2.1
						1.0	1.3	181	30.1		8.1		17.8		94.0		6.4		10.6		4		77				<0.2		2.1	
					Middle	5.4	1.1	151	29.2	29.2	8.1	8.1	21.8	21.8	83.1	83.2	5.7		16.8		4		80				<0.2		2.1	
						5.4	1.2	162	29.2		8.1		21.8		83.2		5.7		16.4		4		80				<0.2		2.0	
					Bottom	9.8	0.5	170	29.1	29.1	8.1	8.1	22.1	22.1	85.6	85.8	5.8	5.8	18.8		5		82				<0.2		2.1	
						9.8	0.5	181	29.1		8.1		22.1		85.9		5.8		18.7		5		82				<0.2		1.9	
C3	Fine	Moderate	11:46	12.3	Surface	1.0	0.5	116	29.8	29.8	8.3	8.3	20.3	20.3	106.3	106.2	7.2	7.1	10.3	11.2	9	11	78	80	822111	817808	<0.2	<0.2	1.4	1.4
						1.0	0.6	116	29.8		8.3		20.3		106.1		7.2		10.4		10		78				<0.2		1.4	
					Middle	6.2	0.2	109	29.6	29.6	8.3	8.3	20.6	20.6	101.3	101.2	6.9		11.5		11		80				<0.2		1.3	
						6.2	0.2	110	29.6		8.3		20.6		101.1		6.9		11.5		9		80				<0.2		1.4	
					Bottom	11.3	0.4	46	29.5	29.5	8.2	8.2	20.7	20.7	99.4	99.4	6.8	6.8	11.6		13		83				<0.2		1.4	
						11.3	0.4	46	29.5		8.2		20.7		99.4		6.8		11.6		11		83				<0.2		1.6	
IM1	Fine	Moderate	13:08	4.8	Surface	1.0	0.1	158	29.8	29.8	8.3	8.3	20.6	20.6	93.3	93.0	6.3	6.3	10.1	12.8	7	8	77	79	817934	807143	<0.2	<0.2	1.3	1.4
						1.0	0.1	163	29.8		8.3		20.6		92.7		6.3		10.2		8		78				<0.2		1.5	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	208	28.9	28.9	8.2	8.2	24.9	24.9	84.4	84.6	5.7	5.7	15.5		8		80				<0.2		1.3	
						3.8	0.1	211	28.9		8.2		24.9		84.7		5.7		15.5		8		80				<0.2		1.3	
IM2	Fine	Moderate	13:16	6.9	Surface	1.0	0.7	200	30.2	30.2	8.2	8.2	17.5	17.5	101.0	101.0	6.9	6.4	7.6	13.0	5	5	78	80	818164	806170	<0.2	<0.2	2.0	1.9
						1.0	0.7	200	30.2		8.2		17.5		100.9		6.9		7.6		4		77				<0.2		2.0	
					Middle	3.5	0.5	207	29.0	29.0	8.2	8.2	23.6	23.6	87.6	87.7	5.9		13.0		5		79				<0.2		1.9	
						3.5	0.5	225	29.0		8.2		23.6		87.7		5.9		13.0		5		80				<0.2		1.8	
					Bottom	5.9	0.3	201	28.9	28.9	8.2	8.2	24.1	24.1	86.9	87.0	5.9	5.9	18.5		5		82				<0.2		1.9	
						5.9	0.3	208	28.9		8.2		24.1		87.1		5.9		18.3		6		82				<0.2		2.0	
IM3	Fine	Moderate	13:26	7.2	Surface	1.0	0.7	216	29.9	29.9	8.2	8.2	17.2	17.2	98.0	97.9	6.8	6.4	10.1	15.0	4	4	77	80	818757	805616	<0.2	<0.2	1.9	2.0
						1.0	0.7	225	29.9		8.2		17.2		97.8		6.7		10.3		4		77				<0.2		2.1	
					Middle	3.6	0.7	225	29.2	29.2	8.2	8.2	21.1	21.1	89.5	89.5	6.1		15.2		5		80				<0.2		2.0	
						3.6	0.7	234	29.2		8.2		21.1		89.5		6.1		15.4		4		80				<0.2		2.0	
					Bottom	6.2	0.5	223	29.0	29.0	8.2	8.2	23.0	23.0	87.7	87.7	5.9	5.9	19.5		4		82				<0.2		1.9	
						6.2	0.5	226	29.0		8.2		23.0		87.7		5.9		19.7		5		82				<0.2		2.3	
IM4	Fine	Moderate	13:38	7.1	Surface	1.0	1.0	186	30.2	30.1	8.2	8.2	15.4	15.4	97.1	97.0	6.7	6.4	9.7	13.0	5	5	77	80	819696	804621	<0.2	<0.2	2.2	2.1
						1.0	1.0	196	30.1		8.2		15.4		96.9		6.7		9.8		4		78				<0.2		2.1	
					Middle	3.6	0.9	194	29.3	29.3	8.2	8.2	20.2	20.2	89.2	89.2	6.1		12.8		5		80				<0.2		1.9	
						3.6	1.0	202	29.3		8.2		20.2		89.1		6.1		13.0		4		80				<0.2		2.1	
					Bottom	6.1	0.7	187	28.9	28.9	8.1	8.1	22.8	22.8	86.2	86.3	5.9	5.9	16.6		5		82				<0.2		1.9	
						6.1	0.7	198	28.9		8.1		22.8		86.3		5.9		16.3		5		82				<0.2		2.1	
IM5	Fine	Moderate	13:50	6.8	Surface	1.0	0.9	205	29.9	29.9	8.2	8.2	16.8	16.8	95.7	95.6	6.6	6.5	13.3	15.3	3	4	77	80	820738	804852	<0.2	<0.2	2.0	2.0
						1.0	1.0	217	29.9		8.2		16.8		95.5		6.6		13.5		4		77				<0.2		2.0	
					Middle	3.4	0.8	212	29.3	29.3	8.2	8.2	19.7	19.7	91.7	91.7	6.3		14.1		5		80				<0.2		1.9	
						3.4	0.8	225	29.3		8.2		19.7		91.7		6.3		14.2		4		80				<0.2		1.9	
					Bottom	5.8	0.6	212	29.1	29.1	8.1	8.1	21.4	21.4	88.7	88.8	6.1	6.1	18.3		4		83				<0.2		2.0	
						5.8	0.6	230	29.1		8.1		21.4		88.8		6.1		18.5		5		83				<0.2		1.9	
IM6	Fine	Moderate	14:00	6.6	Surface	1.0	0.6	221	30.1	30.1	8.2	8.2	17.7	17.7	97.2	97.1	6.7	6.3	8.0	10.7	4	4	77	80	821055	805829	<0.2	<0.2	1.7	1.8
						1.0	0.6	222	30.1		8.2		17.7		97.0		6.6		8.1		4		77				<0.2		1.8	
					Middle	3.3	0.8	265	29.3	29.3	8.1	8.1	21.1	21.1	87.1	87.1	5.9		10.4		5		80				<0.2		1.7	
						3.3	0.8	284	29.3		8.1		21.1		87.1		5.9		10.5		4		80				<0.2		1.9	
					Bottom	5.6	0.6	277	29.1	29.1	8.1	8.1	22.1	22.1	84.3	84.4	5.7	5.7	13.7		5		82				<0.2		1.8	
						5.6	0.6	278	29.1		8.1		22.1		84.4		5.7		13.5		4		82				<0.2		1.8	
IM7	Fine	Moderate	14:05	7.8	Surface	1.0	0.8	239	30.1	30.1	8.2	8.2	17.7	17.7	97.0	96.9	6.6	6.2	8.7	11.5	5	6	77	79	821337	806808	<0.2	<0.2	1.7	1.7
						1.0	0.8	250	30.1		8.2		17.7		96.8		6.6		8.7		6		77				<0.2		1.7	
					Middle	3.9	0.6	253	29.2	29.2	8.1	8.1	21.6	21.6	84.2	84.2	5.7		11.3		6		79				<0.2		1.7	
						3.9	0.6	274	29.2		8.1		21.6		84.2		5.7		11.8		5		79				<0.2		1.8	
					Bottom	6.8	0.5	270	29.1	29.1	8.1	8.1	22.1	22.1	84.1	84.1	5.7	5.7	14.2		6		82				<0.2		1.7	
						6.8	0.5	280	29.1		8.1		22.1		84.1		5.7		14.1		5		82				<0.2		1.7	
IM8	Fine	Moderate	13:20	7.0	Surface	1.0	0.5	190	29.8	29.8	8.1	8.1	17.5	17.5	93.5	93.4	6.4	6.2	16.9	18.9	3	4	78	80	821810	808159	<0.2	<0.2	1.9	3.0
						1.0	0.6	197	29.8		8.1		17.5		93.3		6.4		17.3		4		78				<0.2		3.3	
					Middle	3.5	0.4	172	29.3	29.3	8.1	8.1	20.9	20.9	87.6	87.6	6.0		19.3		4		80				<0.2		3.2	
						3.5	0.4	184	29.3		8.1		20.9		87.6		6.0		19.2		3		80				<0.2		3.4	
					Bottom	6.0	0.4	221	29.2	29.2	8.1	8.1	21.3	21.3	89.1	89.3	6.1	6.1	20.3		4		83				<0.2		3.2	
						6.0	0.4	235	29.2		8.1		21.3		89.4		6.1		20.6		5		83				<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 26 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	13:08	6.6	Surface	1.0	0.4	167	30.1	30.1	8.1	8.1	15.4	15.4	94.0	93.7	6.5	6.3	10.9	15.3	4	5	78	80	822121	808839	<0.2	<0.2	2.8	2.9
						1.0	0.5	169	30.1		8.1		15.4		93.4		6.5		11.0		5		78				<0.2		2.9	
					Middle	3.3	0.4	141	29.3	29.3	8.1	8.1	18.7	18.7	87.0	86.9	6.0		16.0		4		80				<0.2		2.9	
						3.3	0.4	146	29.3		8.1		18.8		86.7		6.0		16.3		5		80				<0.2		3.0	
					Bottom	5.6	0.2	158	29.0	29.0	8.1	8.1	22.6	22.6	87.0	87.1	5.9	5.9	18.5		4		82				<0.2		2.8	
						5.6	0.2	166	29.0		8.1		22.7		87.2		5.9		18.9		5		83				<0.2		2.7	
IM10	Fine	Moderate	13:01	7.3	Surface	1.0	0.7	142	29.8	29.8	8.2	8.2	17.4	17.4	92.5	92.4	6.4	6.2	13.6	16.8	6	6	78	80	822380	809780	<0.2	<0.2	2.8	2.6
						1.0	0.7	151	29.8		8.2		17.4		92.3		6.4		13.8		5		78				<0.2		2.5	
					Middle	3.7	0.5	138	29.1	29.1	8.2	8.2	22.0	22.0	87.3	87.4	5.9		16.0		6		80				<0.2		2.6	
						3.7	0.5	148	29.1		8.2		22.0		87.4		5.9		16.1		7		80				<0.2		2.8	
					Bottom	6.3	0.5	126	29.0	29.0	8.2	8.2	23.2	23.2	89.2	89.3	6.0	6.0	20.7		7		83				<0.2		2.5	
						6.3	0.5	135	29.0		8.2		23.2		89.3		6.0		20.8		7		83				<0.2		2.6	
IM11	Fine	Moderate	12:51	7.4	Surface	1.0	0.8	125	30.0	30.0	8.2	8.2	17.8	17.8	94.4	94.3	6.5	6.0	11.5	15.6	4	5	78	80	822057	811488	<0.2	<0.2	2.8	2.6
						1.0	0.8	134	30.0		8.2		17.8		94.1		6.5		11.6		4		78				<0.2		3.3	
					Middle	3.7	0.7	119	28.9	28.9	8.2	8.2	24.1	24.1	81.8	81.8	5.5		15.4		4		80				<0.2		2.8	
						3.7	0.7	128	28.9		8.2		24.1		81.7		5.5		15.6		5		80				<0.2		2.5	
					Bottom	6.4	0.6	112	28.9	28.9	8.1	8.1	24.2	24.2	83.5	83.6	5.6	5.6	19.4		5		83				<0.2		2.1	
						6.4	0.6	116	28.9		8.1		24.2		83.6		5.6		19.8		5		83				<0.2		2.1	
IM12	Fine	Moderate	12:40	7.6	Surface	1.0	0.4	116	29.5	29.5	8.2	8.2	21.9	22.1	89.9	89.9	6.1	5.9	10.7	13.1	5	6	78	80	821467	812039	<0.2	<0.2	2.1	2.1
						1.0	0.5	122	29.5		8.2		22.2		89.8		6.1		10.7		4		78				<0.2		1.9	
					Middle	3.8	0.6	102	29.1	29.1	8.2	8.2	23.6	23.6	82.7	82.7	5.6		12.8		6		80				<0.2		2.0	
						3.8	0.6	106	29.1		8.2		23.6		82.6		5.6		12.9		6		80				<0.2		2.3	
					Bottom	6.6	0.5	106	28.9	28.9	8.1	8.1	25.0	25.0	82.5	82.7	5.5	5.6	15.6		6		83				<0.2		2.0	
						6.6	0.5	114	28.9		8.1		25.0		82.8		5.6		15.6		7		82				<0.2		2.1	
SR2	Fine	Moderate	12:15	4.1	Surface	1.0	0.5	105	29.6	29.6	8.2	8.2	21.3	21.3	87.7	87.5	5.9	5.9	12.2	13.5	8	8	78	79	821457	814156	<0.2	<0.2	4.6	2.7
						1.0	0.6	108	29.6		8.2		21.3		87.3		5.9		12.3		7		78				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.5	109	28.9	28.9	8.1	8.1	24.9	24.9	85.0	85.2	5.7	5.7	14.9		7		80				<0.2		2.2	
						3.1	0.5	118	28.9		8.1		24.9		85.3		5.7		14.7		8		80				<0.2		2.0	
SR3	Fine	Moderate	13:28	8.5	Surface	1.0	0.8	193	30.3	30.3	8.1	8.1	17.6	17.6	94.2	94.1	6.4	6.1	10.1	13.6	5	6	-	-	822123	807551	-	-	-	-
						1.0	0.8	198	30.3		8.1		17.6		93.9		6.4		10.1		6		-				-		-	
					Middle	4.3	0.7	176	29.2	29.2	8.1	8.1	21.5	21.5	83.6	83.6	5.7		13.0		6		-				-		-	
						4.3	0.7	193	29.2		8.1		21.5		83.6		5.7		13.1		6		-				-		-	
					Bottom	7.5	0.5	180	29.1	29.1	8.1	8.1	22.1	22.1	85.2	85.3	5.8	5.8	17.6		6		-				-		-	
						7.5	0.5	195	29.1		8.1		22.1		85.4		5.8		17.6		6		-				-		-	
SR4A	Fine	Moderate	12:21	9.2	Surface	1.0	0.0	229	29.6	29.6	8.2	8.2	21.2	21.2	88.0	87.8	6.0	5.7	11.9	15.1	3	6	-	-	817172	807792	-	-	-	-
						1.0	0.0	232	29.6		8.2		21.2		87.6		5.9		12.1		4		-				-		-	
					Middle	4.6	0.1	52	28.8	28.8	8.2	8.2	25.1	25.1	80.7	80.7	5.4		15.0		6		-				-		-	
						4.6	0.1	57	28.8		8.2		25.1		80.7		5.4		14.9		6		-				-		-	
					Bottom	8.2	0.1	66	28.8	28.8	8.2	8.2	25.5	25.5	81.1	81.2	5.4	5.4	18.4		8		-				-		-	
						8.2	0.1	66	28.8		8.2		25.5		81.2		5.4		18.4		10		-				-		-	
SR5A	Fine	Moderate	12:04	5.0	Surface	1.0	0.1	10	29.8	29.8	8.3	8.3	20.2	20.2	105.4	105.4	7.2	7.2	9.7	10.5	9	9	-	-	816567	810695	-	-	-	-
						1.0	0.1	10	29.8		8.3		20.2		105.4		7.2		9.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	30	29.5	29.5	8.2	8.2	20.7	20.7	98.4	98.4	6.7	6.7	11.1		9		-				-		-	
						4.0	0.0	32	29.5		8.2		20.7		98.3		6.7		11.2		10		-				-		-	
SR6	Fine	Moderate	11:38	4.9	Surface	1.0	0.1	88	29.6	29.6	8.3	8.3	19.6	19.6	110.8	110.8	7.6	7.6	10.9	12.9	10	11	-	-	817969	814679	-	-	-	-
						1.0	0.1	88	29.6		8.3		19.6		110.8		7.6		11.0		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	92	29.4	29.4	8.2	8.2	20.6	20.6	100.4	100.4	6.9	6.9	14.8		11		-				-		-	
						3.9	0.1	98	29.4		8.2		20.6		100.4		6.9		14.7		12		-				-		-	
SR7	Fine	Moderate	11:10	20.2	Surface	1.0	0.8	87	29.6	29.6	8.3	8.3	19.6	19.6	109.4	109.3	7.5	7.1	11.6	14.2	10	11	-	-	823649	823766	-	-	-	-
						1.0	0.8	87	29.6		8.3		19.6		109.2		7.5		11.7		10		-				-		-	
					Middle	10.1	0.5	90	29.4	29.4	8.2	8.2	20.4	20.4	98.8	98.8	6.8		15.9		11		-				-		-	
						10.1	0.5	98	29.4		8.2		20.4		98.8		6.7		15.9		11		-				-		-	
					Bottom	19.2	0.2	82	29.4	29.4	8.2	8.2	20.7	20.7	99.4	99.5	6.8	6.8	15.1		11		-				-		-	
						19.2	0.3	88	29.4		8.2		20.7		99.5		6.8		15.1		13		-				-		-	
SR8	Fine	Moderate	12:28	3.8	Surface	1.0	-	-	30.2	30.2	8.2	8.2	16.5	16.5	105.6	105.8	7.3	7.3	7.8	7.9	7	7	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.2		8.2		16.5		105.9		7.3		7.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	-	-	29.6	29.6	8.3	8.3	20.2	20.2	109.2	109.1	7.4	7.4	7.9		7		-				-		-	
						2.8	-	-	29.6		8.3		20.2		109.0		7.4		7.9		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 SR6 was blocked by barge. The monitoring at SR6 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 26 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	19:07	7.8	Surface	1.0	0.0	35	29.9	29.9	8.2	8.2	18.4	18.4	93.5	93.4	6.4	6.2	11.0	14.0	7	7	78	80	815610	804222	<0.2	<0.2	2.3	2.0
						1.0	0.0	36	29.9		8.2		18.4		93.3		6.4		11.0		6		78				<0.2		2.2	
					Middle	3.9	0.1	7	29.2	29.2	8.2	8.2	21.4	21.4	87.7	87.7	6.0		13.5		8		80				<0.2		2.1	
						3.9	0.1	7	29.2		8.2		21.4		87.6		6.0		13.6		7		80				<0.2		2.0	
					Bottom	6.8	0.1	11	29.0	29.0	8.2	8.2	23.4	23.4	86.8	86.9	5.9	5.9	17.2		8		83				<0.2		1.7	
						6.8	0.1	11	29.0		8.2		23.4		87.0		5.9		17.4		7		82				<0.2		1.5	
C2	Fine	Moderate	17:51	10.2	Surface	1.0	0.5	77	29.8	29.8	8.0	8.0	17.1	17.0	86.9	86.9	6.0	6.0	10.9	12.2	5	5	78	81	825677	806961	<0.2	<0.2	2.1	2.1
						1.0	0.5	83	29.8		8.0		17.0		86.9		6.0		10.9		4		79				<0.2		2.0	
					Middle	5.1	0.3	182	29.8	29.8	8.0	8.0	17.5	17.5	87.3	87.3	6.0		12.1		6		80				<0.2		2.2	
						5.1	0.3	186	29.8		8.0		17.5		87.3		6.0		12.2		4		81				<0.2		2.0	
					Bottom	9.2	0.8	119	29.7	29.7	8.0	8.0	17.8	17.8	88.3	88.4	6.1	6.1	13.2		6		83				<0.2		2.1	
						9.2	0.9	122	29.7		8.0		17.8		88.4		6.1		13.7		7		83				<0.2		2.1	
C3	Cloudy	Moderate	19:35	11.8	Surface	1.0	0.5	256	30.0	30.0	8.3	8.3	20.7	20.7	111.7	111.7	7.5	7.5	14.8	15.9	26	28	78	80	822105	817778	<0.2	<0.2	2.0	2.1
						1.0	0.5	272	30.0		8.3		20.7		111.7		7.5		14.8		27		78				<0.2		2.2	
					Middle	5.9	0.6	278	30.0	30.0	8.3	8.3	20.8	20.8	109.5	109.5	7.4		16.2		28		80				<0.2		2.0	
						5.9	0.6	297	30.0		8.3		20.8		109.4		7.4		16.2		26		80				<0.2		2.0	
					Bottom	10.8	0.4	292	30.0	30.0	8.3	8.3	20.8	20.8	105.4	105.3	7.1	7.1	16.8		28		83				<0.2		2.1	
						10.8	0.5	306	30.0		8.3		20.8		105.2		7.1		16.6		30		83				<0.2		2.1	
IM1	Fine	Moderate	18:47	4.0	Surface	1.0	0.1	91	29.8	29.8	8.3	8.3	20.2	20.2	102.5	102.5	7.0	7.0	9.7	10.0	7	7	78	79	817974	807136	<0.2	<0.2	1.6	1.5
						1.0	0.1	91	29.8		8.3		20.2		102.4		7.0		9.7		6		78				<0.2		1.5	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	82	29.8	29.8	8.3	8.3	20.5	20.5	99.9	99.9	6.8	6.8	10.2		7		80				<0.2		1.5	
						3.0	0.2	84	29.8		8.3		20.5		99.8		6.8		10.2		6		80				<0.2		1.4	
IM2	Fine	Moderate	18:39	6.5	Surface	1.0	0.3	235	30.0	30.0	8.2	8.2	18.1	18.1	96.5	96.5	6.6	6.5	12.9	14.9	8	13	78	80	818173	806140	<0.2	<0.2	1.5	1.5
						1.0	0.3	235	30.0		8.2		18.1		96.5		6.6		13.0		8		78				<0.2		1.5	
					Middle	3.3	0.1	290	29.5	29.5	8.3	8.3	20.4	20.4	92.7	92.7	6.3		16.1		12		80				<0.2		1.4	
						3.3	0.1	296	29.5		8.3		20.4		92.7		6.3		16.1		14		80				<0.2		1.6	
					Bottom	5.5	0.1	359	29.3	29.3	8.3	8.3	21.4	21.4	90.2	90.3	6.1	6.1	15.6		16		83				<0.2		1.5	
						5.5	0.1	330	29.3		8.3		21.4		90.3		6.1		15.5		18		83				<0.2		1.6	
IM3	Fine	Moderate	18:31	6.7	Surface	1.0	0.4	223	30.0	30.0	8.2	8.2	16.8	16.8	91.9	92.0	6.3	6.4	14.9	18.3	10	12	78	80	818794	805576	<0.2	<0.2	1.6	1.4
						1.0	0.4	243	30.0		8.2		16.8		92.0		6.3		15.0		11		78				<0.2		1.4	
					Middle	3.4	0.2	239	29.9	29.9	8.3	8.3	18.5	18.5	93.0	93.0	6.4		18.4		10		80				<0.2		1.3	
						3.4	0.3	240	29.9		8.3		18.5		92.9		6.4		18.5		11		80				<0.2		1.5	
					Bottom	5.7	0.1	253	29.2	29.2	8.2	8.2	22.5	22.5	84.7	84.8	5.7	5.7	21.4		15		83				<0.2		1.4	
						5.7	0.1	261	29.2		8.2		22.5		84.8		5.7		21.4		14		83				<0.2		1.4	
IM4	Fine	Moderate	18:20	6.8	Surface	1.0	0.4	217	29.8	29.8	8.1	8.1	17.7	17.7	89.1	89.1	6.1	6.1	20.6	21.8	17	19	78	80	819701	804585	<0.2	<0.2	1.5	1.5
						1.0	0.5	228	29.8		8.1		17.7		89.1		6.1		20.8		18		78				<0.2		1.5	
					Middle	3.4	0.4	215	29.8	29.8	8.1	8.1	17.8	17.8	88.6	88.6	6.1		21.8		18		80				<0.2		1.6	
						3.4	0.4	235	29.8		8.1		17.8		88.6		6.1		21.7		20		80				<0.2		1.5	
					Bottom	5.8	0.4	218	29.7	29.7	8.1	8.1	18.4	18.4	87.4	87.4	6.0	6.0	23.0		20		83				<0.2		1.4	
						5.8	0.4	227	29.7		8.1		18.4		87.4		6.0		22.9		19		83				<0.2		1.5	
IM5	Fine	Moderate	18:11	6.1	Surface	1.0	0.6	232	29.6	29.6	8.1	8.1	19.2	19.2	85.8	85.8	5.9	5.9	20.2	21.1	16	16	78	80	820720	804848	<0.2	<0.2	1.4	1.5
						1.0	0.6	234	29.6		8.1		19.2		85.8		5.9		20.4		15		78				<0.2		1.5	
					Middle	3.1	0.4	221	29.5	29.5	8.1	8.1	19.6	19.6	85.0	85.0	5.8		21.0		16		80				<0.2		1.5	
						3.1	0.4	234	29.5		8.1		19.6		85.0		5.8		20.9		16		80				<0.2		1.4	
					Bottom	5.1	0.4	221	29.4	29.4	8.1	8.1	20.0	19.9	86.0	86.1	5.9	5.9	22.1		17		83				<0.2		1.4	
						5.1	0.4	238	29.4		8.1		19.9		86.1		5.9		22.0		17		83				<0.2		1.6	
IM6	Fine	Moderate	18:04	6.0	Surface	1.0	0.6	242	29.6	29.6	8.1	8.1	18.3	18.3	87.9	87.9	6.1	6.1	18.6	20.6	10	11	78	80	821084	805832	<0.2	<0.2	1.5	1.5
						1.0	0.7	257	29.6		8.1		18.3		87.9		6.1		18.7		11		78				<0.2		1.5	
					Middle	3.0	0.6	240	29.6	29.6	8.1	8.1	18.4	18.4	88.5	88.5	6.1		20.3		11		80				<0.2		1.5	
						3.0	0.6	258	29.6		8.1		18.4		88.5		6.1		20.4		11		80				<0.2		1.5	
					Bottom	5.0	0.6	238	29.6	29.6	8.1	8.1	18.5	18.5	90.9	91.0	6.3	6.3	22.8		12		83				<0.2		1.4	
						5.0	0.6	253	29.6		8.1		18.5		91.0		6.3		22.9		12		83				<0.2		1.4	
IM7	Fine	Moderate	17:57	6.8	Surface	1.0	0.9	259	29.9	29.9	8.0	8.0	16.3	16.3	88.7	88.7	6.1	6.1	10.0	11.7	5	5	78	80	821350	806853	<0.2	<0.2	1.4	1.5
						1.0	0.9	268	29.9		8.0		16.3		88.7		6.1		10.1		4		78				<0.2		1.3	
					Middle	3.4	0.8	261	29.8	29.8	8.1	8.1	17.2	17.2	88.8	88.8	6.1		11.6		6		80				<0.2		1.5	
						3.4	0.8	272	29.8		8.1		17.2		88.8		6.1		11.4		5		80				<0.2		1.6	
					Bottom	5.8	0.7	267	29.7	29.7	8.1	8.1	17.4	17.4	88.8	88.8	6.1	6.1	13.5		6		83				<0.2		1.5	
						5.8	0.8	285	29.7		8.1		17.4		88.8		6.1		13.5		6		83				<0.2		1.4	
IM8	Fine	Moderate	18:15	6.5	Surface	1.0	0.2	192	29.5	29.5	8.0	8.0	19.4	19.4	83.3	83.3	5.7	5.7	19.8	21.2	20	23	78	81	821859	808126	<0.2	<0.2	2.1	2.0
						1.0	0.2	192	29.5		8.0		19.4		83.3		5.7		20.0		18		78				<0.2		2.0	
					Middle	3.3	0.0	186	29.5	29.5	8.0	8.0	19.8	19.8	82.9	82.9	5.7		21.3		25		81				<0.2		1.9	
						3.3	0.0	189	29.5		8.0		19.8		82.9		5.7		21.6		25		81				<0.2		1.9	
					Bottom	5.5	0.1	131	29.4	29.4	8.0	8.0	19.9	19.9	83.5	83.5	5.7	5.7	22.3		26		83				<0.2		1.9	
						5.5	0.1	140	29.4		8.0		19.9		83.4		5.7		22.3		26		83				<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 26 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Fine	Moderate	18:23	6.2	Surface	1.0	0.1	133	29.8	29.8	8.0	8.0	17.9	17.9	86.8	86.9	6.0	6.0	19.6	21.1	21	21	78	81	822080	808837	<0.2	<0.2	1.9	1.8
						1.0	0.1	146	29.8		8.0		17.9		86.9		6.0		19.6		21		78				<0.2		1.7	
					Middle	3.1	0.0	309	29.8	29.8	8.0	8.0	17.9	17.9	86.2	86.2	5.9		20.7		21		81				<0.2		1.9	
						3.1	0.0	313	29.8		8.0		17.9		86.2		5.9		21.0		21		81				<0.2		1.8	
					Bottom	5.2	0.1	66	29.5	29.5	8.0	8.0	19.3	19.3	85.0	85.1	5.8	5.8	22.9		22		83				<0.2		1.8	
						5.2	0.1	72	29.5		8.1		19.3		85.1		5.8		22.9		21		83				<0.2		1.9	
IM10	Fine	Moderate	18:32	6.8	Surface	1.0	0.2	349	30.0	30.0	8.1	8.1	17.0	17.0	90.6	90.7	6.2	6.2	16.6	19.1	13	14	78	81	822410	809779	<0.2	<0.2	1.9	1.9
						1.0	0.2	358	30.0		8.1		17.0		90.7		6.2		16.7		12		78				<0.2		2.0	
					Middle	3.4	0.3	21	29.8	29.8	8.2	8.2	18.8	18.8	90.1	90.0	6.2		18.6		13		80				<0.2		1.8	
						3.4	0.3	22	29.8		8.2		18.8		89.9		6.2		18.7		13		81				<0.2		1.9	
					Bottom	5.8	0.3	320	29.3	29.3	8.2	8.2	21.8	21.8	87.6	87.7	5.9	6.0	21.9		16		83				<0.2		2.0	
						5.8	0.3	330	29.3		8.2		21.7		87.7		6.0		21.9		17		83				<0.2		1.7	
IM11	Fine	Moderate	18:45	8.2	Surface	1.0	0.5	311	29.9	29.9	8.2	8.2	18.0	18.0	94.2	94.2	6.5	6.4	13.4	14.4	11	11	78	80	822074	811456	<0.2	<0.2	1.4	1.5
						1.0	0.6	312	29.9		8.2		18.0		94.1		6.5		13.5		11		79				<0.2		1.8	
					Middle	4.1	0.6	319	29.6	29.6	8.3	8.3	20.2	20.2	92.4	92.4	6.3		14.9		11		81				<0.2		1.9	
						4.1	0.6	347	29.6		8.3		20.2		92.4		6.3		14.9		12		81				<0.2		1.3	
					Bottom	7.2	0.4	287	29.4	29.4	8.2	8.2	21.1	21.1	90.6	90.7	6.2	6.2	14.8		11		81				<0.2		1.3	
						7.2	0.4	300	29.4		8.2		21.1		90.7		6.2		14.8		12		81				<0.2		1.4	
IM12	Fine	Moderate	18:54	8.5	Surface	1.0	0.5	276	29.8	29.8	8.3	8.3	20.4	20.4	100.2	100.2	6.8	6.8	14.8	15.3	7	9	78	81	821469	812026	<0.2	<0.2	1.3	1.4
						1.0	0.5	300	29.8		8.3		20.4		100.1		6.8		14.8		8		79				<0.2		1.3	
					Middle	4.3	0.6	282	29.8	29.8	8.3	8.3	20.5	20.5	98.9	99.0	6.7		14.9		8		81				<0.2		1.3	
						4.3	0.6	287	29.8		8.3		20.5		99.0		6.7		14.6		10		81				<0.2		1.3	
					Bottom	7.5	0.3	299	29.8	29.8	8.2	8.2	20.6	20.6	96.9	96.9	6.6	6.6	16.2		10		83				<0.2		1.4	
						7.5	0.4	327	29.8		8.2		20.6		96.8		6.6		16.2		8		83				<0.2		1.5	
SR2	Cloudy	Moderate	19:13	3.9	Surface	1.0	0.1	280	29.9	29.9	8.3	8.3	20.9	20.9	107.9	107.9	7.3	7.3	20.6	21.0	14	18	78	79	821464	814136	<0.2	<0.2	1.3	1.4
						1.0	0.2	290	29.9		8.3		20.9		107.8		7.3		20.8		15		78				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	331	29.9	29.9	8.3	8.3	20.9	20.9	103.3	103.2	7.0	7.0	21.0		20		81				<0.2		1.5	
						2.9	0.2	337	29.9		8.3		20.9		103.0		7.0		21.4		22		80				<0.2		1.4	
SR3	Fine	Moderate	18:06	8.1	Surface	1.0	0.5	187	29.6	29.6	8.0	8.0	18.4	18.4	85.9	86.0	5.9	5.9	18.3	19.6	8	11	-	-	822162	807594	-	-	-	-
						1.0	0.5	198	29.6		8.0		18.4		86.0		5.9		18.4		10		-				-		-	
					Middle	4.1	0.3	232	29.6	29.6	8.0	8.0	18.5	18.5	86.2	86.2	5.9		19.6		12		-				-		-	
						4.1	0.3	243	29.6		8.0		18.5		86.2		5.9		19.8		10		-				-		-	
					Bottom	7.1	0.2	270	29.6	29.6	8.0	8.0	18.7	18.7	87.0	87.5	6.0	6.0	21.2		12		-				-		-	
						7.1	0.2	296	29.6		8.0		18.7		87.9		6.0		20.2		12		-				-		-	
SR4A	Cloudy	Moderate	19:31	8.0	Surface	1.0	0.4	274	29.9	29.9	8.3	8.3	20.7	20.7	111.6	111.6	7.6	7.5	20.7	21.7	15	20	-	-	817213	807816	-	-	-	-
						1.0	0.5	281	29.9		8.3		20.7		111.6		7.6		20.9		17		-				-		-	
					Middle	4.0	0.4	267	29.9	29.9	8.3	8.3	20.7	20.7	109.4	109.4	7.4		21.2		20		-				-		-	
						4.0	0.4	291	29.9		8.3		20.7		109.4		7.4		21.3		21		-				-		-	
					Bottom	7.0	0.3	265	29.9	29.9	8.3	8.3	20.7	20.7	107.6	107.5	7.3	7.3	22.9		23		-				-		-	
						7.0	0.4	266	29.9		8.3		20.7		107.4		7.3		22.9		24		-				-		-	
SR5A	Cloudy	Moderate	19:51	4.6	Surface	1.0	0.3	284	30.0	30.0	8.3	8.3	20.4	20.4	114.8	114.9	7.8	7.8	15.2	15.6	12	12	-	-	816597	810718	-	-	-	-
						1.0	0.4	299	30.0		8.3		20.4		114.9		7.8		15.3		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	292	30.0	30.0	8.3	8.3	20.5	20.5	112.1	112.1	7.6	7.6	15.8		12		-				-		-	
						3.6	0.3	296	30.0		8.3		20.5		112.0		7.6		15.9		13		-				-		-	
SR6	Cloudy	Moderate	20:18	3.8	Surface	1.0	0.2	258	29.9	29.9	8.3	8.3	19.2	19.2	114.7	114.7	7.8	7.8	20.3	21.2	24	<u>24</u>	-	-	817972	814612	-	-	-	-
						1.0	0.2	258	29.9		8.3		19.2		114.7		7.8		20.1		23		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	260	29.9	29.9	8.3	8.3	19.8	19.8	107.5	107.3	7.3	7.3	22.1		24		-				-		-	
						2.8	0.2	265	29.9		8.3		19.8		107.1		7.3		22.1		25		-				-		-	
SR7	Cloudy	Moderate	20:10	18.9	Surface	1.0	0.1	255	29.9	29.9	8.3	8.3	19.5	19.5	113.3	113.3	7.7	7.7	12.6	16.3	12	13	-	-	823659	823740	-	-	-	-
						1.0	0.2	261	29.9		8.3		19.5		113.3		7.7		12.5		12		-				-		-	
					Middle	9.5	0.1	212	30.0	30.0	8.3	8.3	19.7	19.7	112.4	112.3	7.6		16.0		13		-				-		-	
						9.5	0.1	227	30.0		8.3		19.7		112.2		7.6		16.1		14		-				-		-	
					Bottom	17.9	0.1	273	29.9	29.9	8.3	8.3	20.4	20.3	105.8	105.7	7.2	7.2	20.5		13		-				-		-	
						17.9	0.1	298	29.9		8.3		20.3		105.6		7.2		20.2		13		-				-		-	
SR8	Fine	Moderate	19:01	3.6	Surface	1.0	-	-	29.8	29.8	8.2	8.2	19.3	19.2	92.6	92.5	6.3	6.3	11.1	11.5	15	17	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.8		8.2		19.2		92.4		6.3		11.1		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	29.4	29.4	8.1	8.1	20.4	20.4	89.9	90.0	6.1	6.1	11.8		17		-				-		-	
						2.6	-	-	29.4		8.1		20.4		90.0		6.1		11.8		18		-				-		-	

DA: Depth-Averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

<u>Value exceeding Action Level is underlined</u>; **<u>Value exceeding Limit Level is bolded and underlined</u>**

Note: Access to SR6 was blocked by barge. The monitoring at SR6 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 28 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	12:58	8.9	Surface	1.0	0.6	226	30.0	30.0	8.3	8.3	21.4	21.4	98.5	98.4	6.6	5.7	8.0	12.4	2	2	76	79	815599	804250	<0.2	<0.2	1.3	1.3
						1.0	0.6	229	30.0		8.3		21.4		98.2		6.6		8.1		2		76				<0.2		1.4	
					Middle	4.5	0.5	204	29.1	29.1	8.1	8.1	25.9	25.9	70.5	70.5	4.7		12.8		2		79				<0.2		1.1	
						4.5	0.5	217	29.1		8.1		25.9		70.5		4.7		13.1		<2		79				<0.2		1.1	
					Bottom	7.9	0.4	208	29.0	29.0	8.1	8.1	26.2	26.2	72.9	73.0	4.9	4.9	16.0		<2		81				<0.2		1.3	
						7.9	0.5	208	29.0		8.1		26.2		73.1		4.9		16.2		2		81				<0.2		1.4	
C2	Fine	Moderate	11:47	10.5	Surface	1.0	1.3	176	29.8	29.8	8.1	8.1	19.7	19.7	80.8	80.6	5.5	5.3	8.8	11.0	2	2	77	80	825701	806952	<0.2	<0.2	1.3	1.2
						1.0	1.4	191	29.8		8.1		19.7		80.3		5.5		8.9		2		77				<0.2		1.1	
					Middle	5.3	1.1	180	29.4	29.4	8.1	8.1	22.7	22.7	73.7	73.7	5.0		10.9		<2		80				<0.2		1.2	
						5.3	1.2	186	29.4		8.1		22.7		73.7		5.0		11.0		2		80				<0.2		1.2	
					Bottom	9.5	0.5	172	29.1	29.1	8.1	8.1	24.7	24.7	75.4	75.6	5.1	5.1	13.1		2		82				<0.2		1.2	
						9.5	0.5	172	29.1		8.1		24.7		75.8		5.1		13.1		3		82				<0.2		1.2	
C3	Fine	Moderate	13:22	12.3	Surface	1.0	0.5	117	30.5	30.5	8.2	8.2	20.7	20.7	97.8	97.8	6.6	6.3	9.1	10.6	3	3	78	80	822130	817824	<0.2	<0.2	1.3	1.3
						1.0	0.5	124	30.5		8.2		20.7		97.7		6.5		9.1		3		78				<0.2		1.3	
					Middle	6.2	0.2	104	30.1	30.1	8.2	8.2	21.0	21.0	91.2	91.1	6.1		10.3		3		80				<0.2		1.3	
						6.2	0.3	113	30.1		8.2		21.0		91.0		6.1		10.2		3		80				<0.2		1.3	
					Bottom	11.3	0.4	54	29.8	29.8	8.1	8.1	21.6	21.6	88.9	89.0	6.0	6.0	12.3		4		82				<0.2		1.2	
						11.3	0.4	55	29.8		8.1		21.6		89.1		6.0		12.4		4		82				<0.2		1.2	
IM1	Fine	Moderate	12:37	5.7	Surface	1.0	0.2	208	30.5	30.5	8.2	8.2	20.3	20.3	94.4	94.2	6.3	6.3	11.0	12.4	2	3	77	78	817941	807102	<0.2	<0.2	1.2	1.1
						1.0	0.2	225	30.5		8.2		20.3		94.0		6.3		11.2		3		77				<0.2		1.1	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.2	178	29.3	29.3	8.1	8.1	24.2	24.2	74.6	74.7	5.0	5.0	13.6		4		78				<0.2		1.0	
						4.7	0.2	185	29.3		8.1		24.2		74.7		5.0		13.7		3		79				<0.2		1.0	
IM2	Fine	Moderate	12:29	8.0	Surface	1.0	0.4	202	29.6	29.6	8.2	8.2	22.5	22.5	80.5	80.4	5.4	5.3	7.9	10.8	2	2	76	79	818143	806183	<0.2	<0.2	1.0	0.9
						1.0	0.4	209	29.6		8.2		22.5		80.3		5.4		7.9		2		76				<0.2		0.7	
					Middle	4.0	0.3	189	29.3	29.3	8.1	8.1	24.2	24.2	75.7	75.7	5.1		9.6		3		79				<0.2		0.8	
						4.0	0.3	207	29.3		8.1		24.2		75.7		5.1		9.6		<2		79				<0.2		1.0	
					Bottom	7.0	0.2	171	29.1	29.1	8.1	8.1	25.5	25.5	74.0	74.1	4.9	4.9	14.9		2		81				<0.2		0.8	
						7.0	0.2	178	29.1		8.1		25.5		74.1		4.9		14.9		3		81				<0.2		0.9	
IM3	Fine	Moderate	12:21	8.1	Surface	1.0	0.3	200	29.5	29.5	8.2	8.2	22.1	22.1	86.9	86.8	5.9	5.6	7.2	11.5	2	3	76	79	818808	805581	<0.2	<0.2	1.0	0.9
						1.0	0.3	217	29.5		8.2		22.1		86.7		5.9		7.2		3		77				<0.2		0.9	
					Middle	4.1	0.3	175	29.3	29.3	8.2	8.2	23.7	23.7	77.0	77.0	5.2		9.6		3		79				<0.2		0.9	
						4.1	0.3	177	29.3		8.2		23.7		77.0		5.2		9.7		<2		79				<0.2		0.9	
					Bottom	7.1	0.2	162	29.0	29.0	8.1	8.1	25.4	25.4	72.9	73.0	4.9	4.9	17.6		3		81				<0.2		0.8	
						7.1	0.2	166	29.0		8.1		25.4		73.1		4.9		17.5		2		81				<0.2		1.0	
IM4	Fine	Moderate	12:12	8.2	Surface	1.0	1.0	210	30.0	30.0	8.1	8.1	19.4	19.4	81.6	81.5	5.6	5.1	8.5	15.1	<2	2	76	79	819754	804632	<0.2	<0.2	1.3	1.2
						1.0	1.0	226	30.0		8.1		19.4		81.4		5.5		8.5		2		76				<0.2		1.2	
					Middle	4.1	0.9	223	29.1	29.1	8.1	8.1	25.2	25.2	68.5	68.5	4.6		16.3		2		79				<0.2		1.3	
						4.1	0.9	226	29.1		8.1		25.2		68.4		4.6		16.4		2		79				<0.2		1.2	
					Bottom	7.2	0.6	216	29.0	29.0	8.1	8.1	25.7	25.7	68.3	68.4	4.6	4.6	20.4		2		81				<0.2		1.1	
						7.2	0.6	219	29.0		8.1		25.7		68.4		4.6		20.4		3		81				<0.2		1.3	
IM5	Fine	Moderate	12:03	7.8	Surface	1.0	0.3	200	29.6	29.6	8.1	8.1	18.9	18.8	80.9	80.8	5.5	5.4	7.8	11.1	3	3	76	79	820742	804851	<0.2	<0.2	1.2	1.2
						1.0	0.3	218	29.6		8.1		18.8		80.6		5.5		7.8		3		76				<0.2		1.1	
					Middle	3.9	0.3	186	29.3	29.3	8.1	8.1	23.7	23.7	77.4	77.5	5.2		9.2		4		79				<0.2		1.3	
						3.9	0.3	188	29.3		8.1		23.7		77.5		5.2		9.2		3		79				<0.2		1.2	
					Bottom	6.8	0.3	181	29.0	29.0	8.1	8.1	25.4	25.4	72.4	72.5	4.8	4.9	16.1		3		81				<0.2		1.2	
						6.8	0.3	185	29.0		8.1		25.4		72.6		4.9		16.2		4		81				<0.2		1.3	
IM6	Fine	Moderate	11:54	7.7	Surface	1.0	0.3	169	29.6	29.6	8.1	8.1	19.7	19.7	83.1	83.0	5.7	5.5	6.7	11.2	3	3	76	79	821073	805823	<0.2	<0.2	1.0	1.2
						1.0	0.3	183	29.6		8.1		19.7		82.9		5.7		6.7		3		76				<0.2		1.4	
					Middle	3.9	0.1	143	29.3	29.3	8.1	8.1	22.9	22.9	78.1	78.1	5.3		7.6		3		79				<0.2		1.2	
						3.9	0.2	143	29.3		8.1		22.9		78.0		5.3		7.7		4		79				<0.2		1.3	
					Bottom	6.7	0.3	156	29.0	29.0	8.1	8.1	25.1	25.1	71.0	71.1	4.8	4.8	19.4		3		81				<0.2		1.1	
						6.7	0.3	165	29.0		8.1		25.1		71.2		4.8		19.2		4		81				<0.2		1.2	
IM7	Fine	Moderate	11:47	9.1	Surface	1.0	0.3	153	30.0	30.0	8.1	8.1	18.9	18.9	89.7	89.6	6.1	5.5	6.8	12.7	2	3	76	79	821363	806832	<0.2	<0.2	1.2	1.1
						1.0	0.3	158	30.0		8.1		18.9		89.5		6.1		6.8		2		76				<0.2		1.0	
					Middle	4.6	0.2	106	29.3	29.3	8.1	8.1	23.1	23.0	72.5	72.5	4.9		12.0		3		79				<0.2		1.0	
						4.6	0.2	109	29.3		8.1		23.0		72.4		4.9		12.2		3		78				<0.2		1.2	
					Bottom	8.1	0.3	87	29.1	29.1	8.1	8.1	24.5	24.5	72.5	72.6	4.9	4.9	19.1		4		81				<0.2		1.2	
						8.1	0.3	88	29.1		8.1		24.5		72.7		4.9		19.1		2		81				<0.2		1.0	
IM8	Fine	Moderate	12:05	6.8	Surface	1.0	0.5	170	29.7	29.7	8.1	8.1	18.5	18.5	82.4	82.3	5.7	5.2	8.5	12.2	2	3	78	79	821820	808112	<0.2	<0.2	1.1	1.0
						1.0	0.6	179	29.7		8.1		18.5		82.1		5.6		8.5		2		73				<0.2		0.9	
					Middle	3.4	0.4	177	29.2	29.2	8.1	8.1	24.0	24.0	71.1	71.1	4.8		12.3		3		80				<0.2		1.0	
						3.4	0.4	191	29.2		8.1		24.0		71.0		4.8		12.4		2		80				<0.2		1.0	
					Bottom	5.8	0.3	225	29.0	29.0	8.1	8.1	25.7	25.7	71.6	71.8	4.8	4.8	15.7		4		82				<0.2		0.8	
						5.8	0.4	239	29.0		8.1		25.7		71.9		4.8		15.8		3		82				<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 28 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Fine	Moderate	12:10	6.6	Surface	1.0	0.4	144	29.9	29.9	8.1	8.1	19.3	19.3	75.8	75.6	5.2	4.9	10.5	14.1	3	3	78	80	822099	808791	<0.2	<0.2	0.9	0.9
						1.0	0.4	144	29.8		8.1		19.3		75.4		5.1		10.5		2		78				<0.2		1.1	
					Middle	3.3	0.3	167	29.1	29.1	8.1	8.1	25.1	25.1	68.9	68.9	4.6		14.5		3		80				<0.2		1.0	
						3.3	0.3	172	29.1		8.1		25.1		68.9		4.6		14.7		3		80				<0.2		0.8	
					Bottom	5.6	0.2	150	29.0	29.0	8.1	8.1	25.9	25.9	71.2	71.3	4.8	4.8	17.2		4		82				<0.2		0.9	
						5.6	0.3	154	29.0		8.1		25.9		71.4		4.8		17.3		3		82				<0.2		0.9	
IM10	Fine	Moderate	12:18	7.3	Surface	1.0	0.7	143	29.5	29.5	8.2	8.2	22.4	22.4	82.2	82.0	5.5	5.1	8.9	13.8	2	3	78	80	822367	809802	<0.2	<0.2	1.0	1.0
						1.0	0.7	154	29.5		8.2		22.4		81.8		5.5		8.9		2		78				<0.2		1.0	
					Middle	3.7	0.5	139	29.1	29.1	8.1	8.1	25.2	25.2	69.7	69.7	4.7		14.6		2		80				<0.2		0.9	
						3.7	0.5	150	29.1		8.1		25.3		69.7		4.7		14.9		3		80				<0.2		0.8	
					Bottom	6.3	0.4	120	29.0	29.0	8.1	8.1	25.8	25.8	72.7	72.8	4.8	4.9	17.6		4		82				<0.2		1.1	
						6.3	0.5	126	29.0		8.1		25.8		72.9		4.9		17.7		5		82				<0.2		0.9	
IM11	Fine	Moderate	12:30	8.5	Surface	1.0	0.8	125	29.5	29.5	8.1	8.1	22.7	22.7	77.4	77.3	5.2	5.1	9.5	12.7	3	6	78	80	822076	811441	<0.2	<0.2	1.0	0.9
						1.0	0.8	135	29.5		8.1		22.8		77.2		5.2		9.5		4		78				<0.2		0.8	
					Middle	4.3	0.7	110	29.2	29.2	8.1	8.1	24.5	24.5	73.8	73.7	4.9		11.1		7		80				<0.2		0.9	
						4.3	0.7	118	29.2		8.1		24.5		73.6		4.9		11.1		6		80				<0.2		1.0	
					Bottom	7.5	0.6	117	29.1	29.1	8.1	8.1	25.7	25.7	72.8	72.9	4.9	4.9	17.4		7		82				<0.2		1.0	
						7.5	0.6	121	29.1		8.1		25.7		73.0		4.9		17.4		7		82				<0.2		0.9	
IM12	Fine	Moderate	12:38	8.9	Surface	1.0	0.5	114	30.4	30.4	8.2	8.2	20.4	20.4	96.5	96.4	6.5	5.9	8.8	13.1	3	3	78	80	821469	812055	<0.2	<0.2	1.1	1.0
						1.0	0.5	114	30.4		8.2		20.4		96.3		6.5		8.9		2		78				<0.2		1.0	
					Middle	4.5	0.6	103	29.6	29.6	8.2	8.2	22.0	22.0	79.1	78.9	5.3		12.5		3		80				<0.2		1.0	
						4.5	0.6	108	29.6		8.2		22.0		78.7		5.3		12.8		3		80				<0.2		0.9	
					Bottom	7.9	0.5	101	29.3	29.3	8.1	8.1	24.4	24.4	76.3	76.4	5.1	5.1	17.8		4		82				<0.2		0.9	
						7.9	0.5	107	29.3		8.1		24.5		76.5		5.1		17.8		3		82				<0.2		1.0	
SR2	Fine	Moderate	13:00	4.5	Surface	1.0	0.5	104	30.0	30.0	8.2	8.2	21.9	21.9	84.5	84.5	5.7	5.7	12.3	14.8	6	5	78	79	821479	814141	<0.2	<0.2	1.0	0.9
						1.0	0.6	107	30.0		8.2		21.9		84.4		5.7		11.9		4		77				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.5	108	29.5	29.5	8.1	8.1	23.2	23.2	76.4	76.4	5.1	5.1	17.3		6		80				<0.2		0.9	
						3.5	0.5	112	29.5		8.1		23.2		76.3		5.1		17.5		5		80				<0.2		0.8	
SR3	Fine	Moderate	11:59	8.6	Surface	1.0	0.8	190	29.9	29.9	8.1	8.1	18.8	18.8	83.6	83.6	5.7	5.4	8.5	11.8	2	3	-	-	822172	807591	-	-	-	-
						1.0	0.8	205	29.9		8.1		18.8		83.6		5.7		8.5		3		-				-		-	
					Middle	4.3	0.7	193	29.4	29.4	8.1	8.1	21.6	21.6	74.6	74.5	5.1		11.1		3		-				-		-	
						4.3	0.7	201	29.4		8.1		21.6		74.3		5.0		11.2		3		-				-		-	
					Bottom	7.6	0.5	183	29.0	29.0	8.1	8.1	25.4	25.4	72.9	73.0	4.9	4.9	15.8		3		-				-		-	
						7.6	0.5	194	29.0		8.1		25.4		73.0		4.9		15.7		3		-				-		-	
SR4A	Fine	Moderate	13:44	9.0	Surface	1.0	0.1	323	29.8	29.8	8.2	8.2	22.3	22.3	79.1	79.2	5.3	5.1	14.0	18.0	2	4	-	-	817191	807798	-	-	-	-
						1.0	0.1	337	29.8		8.2		22.3		79.2		5.3		14.2		3		-				-		-	
					Middle	4.5	0.2	72	29.3	29.3	8.1	8.1	23.9	23.9	71.7	71.7	4.8		18.2		5		-				-		-	
						4.5	0.2	75	29.3		8.1		24.0		71.7		4.8		18.4		4		-				-		-	
					Bottom	8.0	0.2	68	29.3	29.3	8.1	8.1	24.4	24.4	73.3	73.4	4.9	4.9	21.5		4		-				-		-	
						8.0	0.2	68	29.3		8.1		24.4		73.4		4.9		21.7		5		-				-		-	
SR5A	Fine	Moderate	14:01	5.4	Surface	1.0	0.0	268	30.4	30.4	8.2	8.2	20.7	20.7	95.5	95.4	6.4	6.4	8.8	9.3	4	5	-	-	816574	810694	-	-	-	-
						1.0	0.0	287	30.4		8.2		20.7		95.3		6.4		8.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	261	29.9	29.9	8.2	8.2	21.2	21.2	91.7	91.8	6.2	6.2	9.7		5		-				-		-	
						4.4	0.1	263	29.9		8.2		21.2		91.8		6.2		9.7		6		-				-		-	
SR6	Fine	Moderate	14:26	3.9	Surface	1.0	0.1	83	30.6	30.6	8.2	8.2	19.8	19.8	107.7	107.7	7.2	7.2	12.1	13.8	8	9	-	-	817887	814678	-	-	-	-
						1.0	0.1	88	30.6		8.2		19.8		107.7		7.2		12.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	81	30.1	30.1	8.2	8.2	20.6	20.6	101.8	101.9	6.9	6.9	15.4		10		-				-		-	
						2.9	0.1	88	30.1		8.2		20.6		101.9		6.9		15.4		10		-				-		-	
SR7	Fine	Moderate	13:58	19.2	Surface	1.0	0.8	80	30.5	30.5	8.2	8.2	20.2	20.2	103.5	103.5	7.0	6.9	12.4	14.2	6	9	-	-	823645	823744	-	-	-	-
						1.0	0.8	87	30.5		8.2		20.2		103.4		6.9		12.3		8		-				-		-	
					Middle	9.6	0.4	98	30.3	30.3	8.2	8.2	20.5	20.5	100.4	100.3	6.8		13.5		8		-				-		-	
						9.6	0.5	101	30.3		8.2		20.5		100.2		6.7		13.6		9		-				-		-	
					Bottom	18.2	0.2	70	30.1	30.1	8.2	8.2	20.7	20.7	98.9	99.0	6.7	6.7	16.7		11		-				-		-	
						18.2	0.2	76	30.1		8.2		20.7		99.1		6.7		16.7		11		-				-		-	
SR8	Fine	Moderate	12:47	4.2	Surface	1.0	-	-	30.1	30.1	8.2	8.2	21.4	21.4	100.9	100.8	6.8	6.8	7.4	8.5	4	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.1		8.2		21.4		100.7		6.8		7.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.4	29.4	8.2	8.2	24.4	24.4	85.3	85.4	5.7	5.7	9.5		4		-				-		-	
						3.2	-	-	29.4		8.2		24.4		85.4		5.7		9.6		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Moderate	20:07	9.4	Surface	1.0	0.3	51	29.6	29.6	8.2	8.2	22.0	22.1	75.8	75.6	5.1	4.7	10.6	15.3	4	4	78	80	815606	804225	<0.2	<0.2	0.7	0.7
						1.0	0.3	51	29.6		8.2		22.1		75.3		5.1		10.6		3		78				<0.2		0.6	
					Middle	4.7	0.4	44	28.9	28.9	8.1	8.1	27.0	27.0	63.7	63.7	4.2		14.8		5		80				<0.2		0.7	
						4.7	0.4	44	28.9		8.1		27.0		63.6		4.2		15.0		4		80				<0.2		0.5	
					Bottom	8.4	0.4	42	28.8	28.8	8.1	8.1	27.6	27.6	63.4	63.4	4.2	4.2	20.4		5		83				<0.2		0.7	
						8.4	0.4	45	28.8		8.1		27.6		63.4		4.2		20.6		5		82				<0.2		0.7	
C2	Cloudy	Moderate	21:17	11.5	Surface	1.0	0.5	77	29.7	29.7	8.1	8.1	19.7	19.7	80.5	80.4	5.5	5.2	9.3	12.1	4	4	78	80	825684	806926	<0.2	<0.2	0.7	1.1
						1.0	0.5	77	29.7		8.1		19.7		80.2		5.5		9.3		3		78				<0.2		0.5	
					Middle	5.8	0.2	182	29.4	29.3	8.1	8.1	22.1	22.1	71.8	71.7	4.9		12.1		4		80				<0.2		1.4	
						5.8	0.2	182	29.3		8.1		22.1		71.6		4.9		12.0		5		80				<0.2		1.1	
					Bottom	10.5	0.8	116	29.1	29.1	8.1	8.1	24.6	24.6	72.0	72.2	4.8	4.9	14.8		4		82				<0.2		1.5	
						10.5	0.8	123	29.1		8.1		24.6		72.3		4.9		14.8		6		82				<0.2		1.5	
C3	Cloudy	Moderate	19:28	12.6	Surface	1.0	0.5	232	30.0	30.0	8.1	8.1	20.6	20.6	93.4	93.4	6.3	6.3	9.6	12.8	4	5	78	80	822128	817830	<0.2	<0.2	1.3	1.3
						1.0	0.5	254	30.0		8.1		20.6		93.3		6.3		9.7		5		77				<0.2		1.4	
					Middle	6.3	0.6	278	29.9	29.9	8.1	8.1	20.7	20.7	93.7	93.7	6.3		11.3		5		80				<0.2		1.2	
						6.3	0.6	289	29.9		8.1		20.7		93.7		6.3		11.5		4		80				<0.2		1.2	
					Bottom	11.6	0.4	299	29.9	29.9	8.1	8.1	20.7	20.7	93.2	93.2	6.3	6.3	17.3		6		82				<0.2		1.3	
						11.6	0.5	308	29.9		8.1		20.7		93.1		6.3		17.5		6		82				<0.2		1.2	
IM1	Cloudy	Moderate	20:27	5.7	Surface	1.0	0.1	7	29.6	29.6	8.2	8.2	20.2	20.2	88.3	88.2	6.0	6.0	8.9	10.3	6	6	78	80	817929	807111	<0.2	<0.2	1.9	1.7
						1.0	0.1	7	29.6		8.2		20.2		88.1		6.0		9.0		4		78				<0.2		1.7	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.0	310	29.5	29.5	8.1	8.1	22.3	22.3	80.9	81.0	5.5	5.5	11.6		7		81				<0.2		1.6	
						4.7	0.0	337	29.5		8.1		22.3		81.0		5.5		11.6		6		81				<0.2		1.7	
IM2	Cloudy	Moderate	20:35	8.6	Surface	1.0	0.2	45	29.5	29.5	8.2	8.2	20.0	20.0	86.0	86.0	5.9	5.7	7.3	11.1	3	4	78	81	818141	806167	<0.2	<0.2	1.8	1.7
						1.0	0.2	45	29.5		8.2		20.0		85.9		5.9		7.3		4		78				<0.2		1.8	
					Middle	4.3	0.2	18	29.4	29.4	8.1	8.1	21.7	21.7	81.8	81.8	5.5		8.6		5		81				<0.2		1.6	
						4.3	0.3	19	29.4		8.1		21.7		81.7		5.5		8.7		3		81				<0.2		1.8	
					Bottom	7.6	0.2	21	29.3	29.3	8.1	8.1	24.0	24.0	76.8	76.9	5.2	5.2	17.2		4		83				<0.2		1.6	
						7.6	0.2	21	29.3		8.1		24.0		76.9		5.2		17.2		5		83				<0.2		1.7	
IM3	Cloudy	Moderate	20:43	8.6	Surface	1.0	0.3	44	29.6	29.6	8.2	8.2	18.9	18.9	87.8	87.8	6.0	5.6	7.1	11.3	4	4	78	81	818767	805579	<0.2	<0.2	1.8	1.7
						1.0	0.3	46	29.6		8.2		18.9		87.7		6.0		7.1		3		78				<0.2		1.7	
					Middle	4.3	0.3	29	29.3	29.3	8.2	8.2	23.1	23.1	76.7	76.7	5.2		9.0		4		81				<0.2		1.8	
						4.3	0.3	30	29.3		8.2		23.1		76.6		5.2		9.1		5		81				<0.2		1.6	
					Bottom	7.6	0.2	14	29.1	29.1	8.1	8.1	25.4	25.4	73.0	73.1	4.9	4.9	17.7		5		83				<0.2		1.6	
						7.6	0.2	14	29.1		8.1		25.4		73.1		4.9		17.7		5		83				<0.2		1.8	
IM4	Cloudy	Moderate	20:54	8.7	Surface	1.0	0.2	24	29.5	29.5	8.1	8.1	18.7	18.7	79.5	79.4	5.5	5.1	8.5	12.9	3	3	78	81	819736	804610	<0.2	<0.2	2.0	2.0
						1.0	0.2	26	29.5		8.1		18.7		79.2		5.5		8.6		3		78				<0.2		1.9	
					Middle	4.4	0.1	54	29.0	29.0	8.1	8.1	25.7	25.7	68.9	68.9	4.6		13.9		3		81				<0.2		1.9	
						4.4	0.1	58	29.0		8.1		25.7		68.9		4.6		13.9		3		81				<0.2		2.0	
					Bottom	7.7	0.1	95	29.0	29.0	8.1	8.1	25.7	25.7	72.1	72.2	4.8	4.8	16.3		3		83				<0.2		2.0	
						7.7	0.1	95	29.0		8.1		25.7		72.3		4.8		16.4		3		83				<0.2		2.0	
IM5	Cloudy	Moderate	21:04	8.1	Surface	1.0	0.2	33	29.5	29.5	8.1	8.1	19.4	19.4	78.6	78.5	5.4	5.0	8.0	13.2	2	3	77	81	820764	804855	<0.2	<0.2	1.9	2.0
						1.0	0.2	33	29.5		8.1		19.4		78.4		5.4		8.1		2		78				<0.2		1.9	
					Middle	4.1	0.1	57	29.1	29.1	8.1	8.1	24.9	24.9	69.2	69.2	4.6		13.5		3		81				<0.2		2.0	
						4.1	0.1	59	29.1		8.1		24.9		69.2		4.6		13.6		3		81				<0.2		2.0	
					Bottom	7.1	0.1	69	29.0	29.0	8.1	8.1	25.3	25.3	69.1	69.2	4.6	4.6	18.0		4		83				<0.2		2.0	
						7.1	0.1	74	29.0		8.1		25.3		69.2		4.6		18.1		4		83				<0.2		2.0	
IM6	Cloudy	Moderate	21:13	7.9	Surface	1.0	0.2	40	29.5	29.5	8.2	8.2	20.7	20.8	82.2	82.0	5.6	5.2	8.1	13.9	2	3	78	81	821042	805852	<0.2	<0.2	1.6	1.7
						1.0	0.2	40	29.5		8.2		20.9		81.8		5.6		8.2		2		78				<0.2		1.7	
					Middle	4.0	0.2	63	29.2	29.2	8.1	8.1	24.1	24.1	71.1	71.1	4.8		13.4		3		80				<0.2		1.8	
						4.0	0.2	63	29.2		8.1		24.1		71.1		4.8		13.4		3		81				<0.2		1.6	
					Bottom	6.9	0.2	107	29.0	29.0	8.1	8.1	24.8	24.8	70.0	70.1	4.7	4.7	20.1		4		83				<0.2		1.6	
						6.9	0.2	116	29.0		8.1		24.8		70.1		4.7		20.2		3		83				<0.2		1.7	
IM7	Cloudy	Moderate	21:22	9.3	Surface	1.0	0.2	25	29.7	29.7	8.1	8.1	19.6	19.6	83.6	83.5	5.7	5.3	8.1	13.3	3	4	78	81	821333	806859	<0.2	<0.2	1.6	1.6
						1.0	0.2	25	29.7		8.1		19.6		83.4		5.7		8.1		3		78				<0.2		1.7	
					Middle	4.7	0.2	67	29.3	29.3	8.1	8.1	23.0	23.0	72.9	72.9	4.9		13.2		4		81				<0.2		1.6	
						4.7	0.2	69	29.3		8.1		23.0		72.8		4.9		13.4		4		81				<0.2		1.6	
					Bottom	8.3	0.3	114	29.1	29.1	8.1	8.1	24.4	24.4	72.1	72.2	4.8	4.9	18.4		4		83				<0.2		1.6	
						8.3	0.3	114	29.1		8.1		24.4		72.2		4.9		18.5		4		83				<0.2		1.6	
IM8	Cloudy	Moderate	20:52	7.4	Surface	1.0	0.2	199	29.5	29.5	8.1	8.1	19.4	19.4	75.8	75.7	5.2	5.0	10.0	13.2	<2	<2	78	80	821850	808160	<0.2	<0.2	1.3	1.4
						1.0	0.2	210	29.5		8.1		19.4		75.6		5.2		10.1		<2		78				<0.2		1.4	
					Middle	3.7	0.0	180	29.1	29.1	8.1	8.1	25.0	25.0	69.7	69.7	4.7		14.3		<2		80				<0.2		1.4	
						3.7	0.0	185	29.1		8.1		25.0		69.6		4.7		14.2		<2		80				<0.2		1.3	
					Bottom	6.4	0.1	112	29.0	29.0	8.1	8.1	25.5	25.5	73.4	73.5	4.9	4.9	15.4		<2		82				<0.2		1.5	
						6.4	0.1	114	29.0		8.1		25.5		73.6		4.9		15.2		<2		82				<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 28 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	20:44	6.9	Surface	1.0	0.1	133	29.5	29.5	8.1	8.1	19.6	19.6	80.0	79.8	5.5	5.0	8.9	12.9	<2	2	78	80	822075	808815	<0.2	<0.2	1.2	1.3
						1.0	0.1	144	29.5		8.1		19.6		79.6		5.5		9.0		<2		78				<0.2		1.3	
					Middle	3.5	0.0	320	29.0	29.0	8.1	8.1	26.0	26.0	67.7	67.8	4.5		13.4		<2		80				<0.2		1.3	
						3.5	0.0	346	29.0		8.1		26.0		67.8		4.5		13.4		<2		80				<0.2		1.3	
					Bottom	5.9	0.2	60	29.0	29.0	8.1	8.1	26.0	26.0	69.6	69.7	4.6	4.7	16.4		3		82				<0.2		1.3	
						5.9	0.2	60	29.0		8.1		26.0		69.8		4.7		16.4		<2		82				<0.2		1.3	
IM10	Cloudy	Moderate	20:38	7.6	Surface	1.0	0.1	349	29.6	29.6	8.1	8.1	19.1	19.1	87.0	86.9	6.0	5.7	8.9	11.6	2	3	78	80	822393	809765	<0.2	<0.2	1.4	1.4
						1.0	0.2	321	29.6		8.1		19.1		86.8		6.0		9.0		<2		78				<0.2		1.3	
					Middle	3.8	0.3	30	29.4	29.4	8.1	8.1	22.0	22.0	80.2	80.1	5.4		8.8		3		80				<0.2		1.5	
						3.8	0.4	30	29.4		8.1		22.0		80.0		5.4		8.8		<2		80				<0.2		1.3	
					Bottom	6.6	0.3	321	29.1	29.1	8.1	8.1	25.5	25.5	76.6	76.8	5.1	5.1	17.1		3		82				<0.2		1.5	
						6.6	0.3	331	29.1		8.1		25.5		76.9		5.1		17.1		3		82				<0.2		1.3	
IM11	Cloudy	Moderate	20:32	7.7	Surface	1.0	0.5	311	29.6	29.6	8.1	8.1	19.8	19.8	86.3	86.3	5.9	5.7	8.0	8.8	<2	2	78	80	822048	811448	<0.2	<0.2	1.5	1.4
						1.0	0.5	329	29.6		8.1		19.8		86.2		5.9		8.0		2		78				<0.2		1.3	
					Middle	3.9	0.6	319	29.4	29.4	8.1	8.1	21.8	21.8	81.3	81.3	5.5		8.6		<2		80				<0.2		1.5	
						3.9	0.6	332	29.4		8.1		21.8		81.2		5.5		8.6		<2		80				<0.2		1.4	
					Bottom	6.7	0.4	283	29.3	29.3	8.1	8.1	23.7	23.7	81.7	81.9	5.5	5.5	9.8		2		82				<0.2		1.4	
						6.7	0.4	304	29.3		8.1		23.7		82.0		5.5		9.8		2		82				<0.2		1.4	
IM12	Cloudy	Moderate	20:23	8.0	Surface	1.0	0.5	265	29.6	29.6	8.1	8.1	20.5	20.5	80.8	80.6	5.5	5.4	12.2	14.9	<2	2	78	80	821477	812061	<0.2	<0.2	1.4	1.4
						1.0	0.6	283	29.6		8.1		20.5		80.4		5.5		12.4		<2		78				<0.2		1.4	
					Middle	4.0	0.6	290	29.5	29.5	8.1	8.1	22.3	22.3	76.6	76.6	5.2		15.1		<2		80				<0.2		1.4	
						4.0	0.6	301	29.5		8.1		22.4		76.6		5.2		15.3		2		80				<0.2		1.6	
					Bottom	7.0	0.3	287	29.4	29.4	8.1	8.1	23.6	23.6	78.6	78.9	5.3	5.3	17.4		<2		83				<0.2		1.4	
						7.0	0.4	295	29.4		8.1		23.6		79.1		5.3		17.1		2		82				<0.2		1.4	
SR2	Cloudy	Moderate	19:58	4.4	Surface	1.0	0.1	287	29.6	29.6	8.1	8.1	20.5	20.5	87.4	87.4	5.9	6.0	10.3	10.6	3	4	78	79	821487	814153	<0.2	<0.2	1.3	1.3
						1.0	0.1	313	29.6		8.1		20.5		87.4		6.0		10.4		3		78				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	331	29.6	29.6	8.1	8.1	21.1	21.1	88.6	88.7	6.0	6.0	10.9		4		80				<0.2		1.2	
						3.4	0.2	352	29.6		8.1		21.1		88.8		6.0		10.9		4		80				<0.2		1.2	
SR3	Cloudy	Moderate	21:01	8.9	Surface	1.0	0.5	169	29.4	29.4	8.1	8.1	21.8	21.8	75.4	75.4	5.1	4.9	10.3	13.7	3	3	-	-	822162	807590	-	-	-	-
						1.0	0.5	169	29.4		8.1		21.8		75.3		5.1		10.4		3		-				-		-	
					Middle	4.5	0.3	231	29.2	29.2	8.1	8.1	23.8	23.8	68.9	68.9	4.6		14.3		3		-				-		-	
						4.5	0.3	244	29.2		8.1		23.8		68.9		4.6		14.4		3		-				-		-	
					Bottom	7.9	0.2	275	29.1	29.1	8.1	8.1	25.0	25.0	69.7	69.7	4.7	4.7	16.5		3		-				-		-	
						7.9	0.3	288	29.1		8.1		25.0		69.7		4.7		16.5		5		-				-		-	
SR4A	Cloudy	Moderate	19:41	9.8	Surface	1.0	0.4	70	29.6	29.6	8.2	8.2	20.2	20.2	90.0	90.0	6.1	6.1	8.6	12.4	4	4	-	-	817213	807802	-	-	-	-
						1.0	0.5	74	29.6		8.2		20.2		89.9		6.1		8.6		4		-				-		-	
					Middle	4.9	0.4	67	29.5	29.5	8.2	8.2	20.5	20.5	87.9	87.9	6.0		11.1		5		-				-		-	
						4.9	0.5	71	29.5		8.2		20.5		87.8		6.0		11.2		3		-				-		-	
					Bottom	8.8	0.3	67	29.5	29.5	8.1	8.1	21.4	21.4	87.9	88.0	6.0	6.0	17.5		4		-				-		-	
						8.8	0.4	70	29.5		8.1		21.4		88.1		6.0		17.5		5		-				-		-	
SR5A	Cloudy	Moderate	19:21	5.9	Surface	1.0	0.1	89	30.0	30.0	8.2	8.2	20.4	20.4	95.1	95.1	6.4	6.4	8.6	10.0	3	4	-	-	816577	810689	-	-	-	-
						1.0	0.1	89	30.0		8.2		20.4		95.1		6.4		8.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.1	52	29.9	29.9	8.2	8.2	20.7	20.7	94.3	94.4	6.4	6.4	11.4		4		-				-		-	
						4.9	0.1	52	29.9		8.2		20.7		94.4		6.4		11.3		3		-				-		-	
SR6	Cloudy	Moderate	18:53	5.3	Surface	1.0	0.1	262	29.7	29.7	8.0	8.0	18.7	18.7	86.4	86.4	5.9	5.9	8.1	9.2	3	3	-	-	817892	814681	-	-	-	-
						1.0	0.1	278	29.7		8.0		18.7		86.4		5.9		8.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	54	29.6	29.6	8.0	8.0	20.1	20.1	85.6	85.6	5.8	5.8	10.3		3		-				-		-	
						4.3	0.1	54	29.6		8.0		20.1		85.6		5.8		10.3		4		-				-		-	
SR7	Cloudy	Moderate	18:53	21.3	Surface	1.0	0.1	254	29.7	29.7	8.0	8.0	18.8	18.8	82.1	82.1	5.6	5.5	13.0	15.6	3	4	-	-	823612	823761	-	-	-	-
						1.0	0.1	266	29.7		8.0		18.8		82.0		5.6		13.2		3		-				-		-	
					Middle	10.7	0.1	211	29.6	29.6	8.0	8.0	19.8	19.8	79.3	79.3	5.4		15.4		4		-				-		-	
						10.7	0.2	222	29.6		8.0		19.8		79.3		5.4		15.5		3		-				-		-	
					Bottom	20.3	0.1	276	29.6	29.6	8.0	8.0	21.1	21.1	78.2	78.2	5.3	5.3	18.1		4		-				-		-	
						20.3	0.1	276	29.6		8.0		21.1		78.2		5.3		18.2		4		-				-		-	
SR8	Cloudy	Moderate	20:15	4.1	Surface	1.0	-	-	29.5	29.5	8.1	8.1	22.5	22.5	82.1	82.1	5.5	5.5	9.1	9.1	2	2	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.5		8.1		22.5		82.0		5.5		9.1		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	29.3	29.3	8.1	8.1	24.3	24.3	83.6	83.6	5.6	5.6	9.1		2		-				-		-	
						3.1	-	-	29.3		8.1		24.2		83.5		5.6		9.1		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 31 July 18 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	15:14	9.0	Surface	1.0	0.5	224	30.5	30.5	8.3	8.3	16.6	16.6	112.2	112.2	7.7	6.8	7.6	11.0	4	4	86	92	815600	804210	<0.2	<0.2	1.7	1.6
						1.0	0.5	230	30.5		8.3		16.6		112.1		7.7		7.6		3		87				<0.2		1.5	
					Middle	4.5	0.8	210	29.7	29.7	8.2	8.2	23.0	23.1	86.3	86.3	5.8		8.8		3		92				<0.2		1.6	
						4.5	0.9	213	29.7		8.2		23.1		86.2		5.8		8.9		5		92				<0.2		1.7	
					Bottom	8.0	0.4	209	29.4	29.4	8.1	8.1	26.0	25.7	71.9	72.0	4.8	4.8	16.5		4		96				<0.2		1.7	
						8.0	0.4	214	29.4		8.1		25.5		72.0		4.8		16.5		5		96				<0.2		1.5	
C2	Fine	Moderate	13:23	12.4	Surface	1.0	0.3	141	30.7	30.7	8.0	8.0	17.8	17.8	89.1	89.1	6.0	5.5	10.2	26.8	4	5	87	89	825708	806935	<0.2	<0.2	1.9	1.9
						1.0	0.4	150	30.7		8.0		17.8		89.0		6.0		10.2		4		87				<0.2		1.9	
					Middle	6.2	0.3	166	30.2	30.2	8.0	8.0	20.4	20.4	74.5	74.5	5.0		14.3		4		89				<0.2		2.0	
						6.2	0.3	170	30.2		8.0		20.4		74.4		5.0		14.5		6		90				<0.2		1.8	
					Bottom	11.4	0.5	150	29.2	29.2	8.0	8.0	26.0	26.0	66.9	67.0	4.4	4.5	55.7		5		91				<0.2		2.0	
						11.4	0.5	153	29.2		8.0		26.0		67.0		4.5		55.8		6		91				<0.2		1.9	
C3	Fine	Moderate	14:53	12.0	Surface	1.0	0.4	115	30.1	30.1	8.1	8.1	22.2	22.2	90.5	90.5	6.0	6.0	10.5	11.3	6	6	90	93	822096	817790	<0.2	<0.2	1.7	1.6
						1.0	0.4	125	30.1		8.1		22.2		90.4		6.0		10.5		4		90				<0.2		1.6	
					Middle	6.0	0.2	73	30.1	30.1	8.1	8.1	22.7	22.7	87.8	87.8	5.9		10.9		7		93				<0.2		1.6	
						6.0	0.3	77	30.1		8.1		22.7		87.7		5.9		10.9		6		93				<0.2		1.7	
					Bottom	11.0	0.4	27	29.8	29.8	8.0	8.0	23.5	23.5	81.7	81.7	5.5	5.5	12.5		8		95				<0.2		1.6	
						11.0	0.5	29	29.7		8.0		23.6		81.7		5.5		12.7		6		95				<0.2		1.6	
IM1	Fine	Moderate	14:50	5.1	Surface	1.0	0.2	164	30.8	30.8	8.3	8.3	15.6	15.6	108.2	108.2	7.4	7.4	8.2	10.9	6	6	87	90	817952	807142	<0.2	<0.2	1.7	1.6
						1.0	0.2	172	30.8		8.3		15.6		108.1		7.4		8.2		4		87				<0.2		1.8	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	208	29.9	29.9	8.1	8.1	22.1	22.1	80.8	80.9	5.4	5.4	13.6		6		93				<0.2		1.4	
						4.1	0.2	226	29.9		8.1		22.0		80.9		5.4		13.7		7		93				<0.2		1.3	
IM2	Fine	Moderate	14:43	7.6	Surface	1.0	0.5	189	30.5	30.5	8.2	8.2	18.3	18.3	101.6	101.5	6.9	6.4	8.6	15.5	7	8	86	92	818183	806185	<0.2	<0.2	1.5	1.5
						1.0	0.5	205	30.5		8.2		18.3		101.4		6.9		8.6		8		87				<0.2		1.5	
					Middle	3.8	0.6	202	30.1	30.1	8.2	8.2	20.8	20.8	86.8	86.7	5.8		11.5		8		93				<0.2		1.5	
						3.8	0.6	208	30.1		8.2		20.8		86.5		5.8		11.6		8		93				<0.2		1.5	
					Bottom	6.6	0.1	164	29.1	29.1	8.1	8.1	26.9	26.9	66.0	66.1	4.4	4.4	26.1		10		96				<0.2		1.3	
						6.6	0.1	171	29.1		8.1		26.9		66.1		4.4		26.3		8		96				<0.2		1.4	
IM3	Fine	Moderate	14:35	7.9	Surface	1.0	0.4	152	31.0	31.0	8.3	8.3	16.8	16.8	108.9	108.9	7.4	6.5	8.5	13.9	9	10	86	92	818787	805557	<0.2	<0.2	1.4	1.5
						1.0	0.4	159	31.0		8.3		16.8		108.8		7.4		8.5		7		87				<0.2		1.6	
					Middle	4.0	0.3	210	29.8	29.8	8.1	8.1	22.2	22.2	81.4	81.4	5.5		11.6		10		93				<0.2		1.4	
						4.0	0.3	223	29.8		8.1		22.2		81.4		5.5		11.6		10		93				<0.2		1.6	
					Bottom	6.9	0.3	179	29.4	29.4	8.1	8.1	25.4	25.4	69.8	69.9	4.6	4.6	21.7		12		97				<0.2		1.5	
						6.9	0.3	185	29.4		8.1		25.3		69.9		4.6		21.5		11		96				<0.2		1.5	
IM4	Fine	Moderate	14:26	8.0	Surface	1.0	0.5	186	30.9	30.9	8.2	8.2	16.3	16.3	104.7	104.7	7.1	6.7	7.8	22.2	6	7	87	92	819723	804639	<0.2	<0.2	1.5	1.5
						1.0	0.5	199	31.0		8.2		16.3		104.6		7.1		7.8		6		86				<0.2		1.6	
					Middle	4.0	0.4	180	30.0	30.1	8.2	8.2	21.2	21.2	93.5	93.6	6.3		10.7		7		93				<0.2		1.6	
						4.0	0.4	192	30.1		8.2		21.1		93.6		6.3		10.7		7		93				<0.2		1.2	
					Bottom	7.0	0.4	168	29.3	29.3	8.1	8.1	25.6	25.6	68.1	68.2	4.5	4.5	48.3		7		96				<0.2		1.7	
						7.0	0.4	172	29.3		8.1		25.6		68.2		4.5		48.0		8		96				<0.2		1.4	
IM5	Fine	Moderate	14:16	7.6	Surface	1.0	0.3	165	30.9	30.9	8.2	8.2	16.0	16.0	103.2	103.2	7.0	6.1	7.8	16.7	5	5	86	92	820703	804889	<0.2	<0.2	1.6	1.5
						1.0	0.3	167	30.9		8.2		16.0		103.1		7.0		7.8		4		87				<0.2		1.6	
					Middle	3.8	0.4	189	29.7	29.7	8.1	8.1	23.2	23.2	77.2	77.3	5.2		14.0		5		93				<0.2		1.6	
						3.8	0.4	199	29.7		8.1		23.2		77.3		5.2		14.1		6		93				<0.2		1.7	
					Bottom	6.6	0.2	177	29.4	29.4	8.1	8.1	25.3	25.3	67.8	67.9	4.5	4.5	28.3		5		96				<0.2		1.3	
						6.6	0.2	192	29.4		8.1		25.3		68.0		4.5		28.4		7		96				<0.2		1.4	
IM6	Fine	Moderate	14:06	7.4	Surface	1.0	0.3	177	30.9	30.9	8.1	8.1	14.9	14.9	98.8	98.8	6.8	6.3	8.0	14.1	3	5	87	93	821059	805838	<0.2	<0.2	1.7	1.7
						1.0	0.3	180	30.9		8.1		14.9		98.7		6.8		8.0		4		87				<0.2		1.9	
					Middle	3.7	0.1	190	29.8	29.8	8.2	8.2	21.5	21.6	84.0	84.0	5.7		9.9		5		93				<0.2		1.7	
						3.7	0.2	194	29.8		8.2		21.8		83.9		5.7		10.0		6		93				<0.2		1.6	
					Bottom	6.4	0.3	162	29.4	29.4	8.1	8.1	24.8	24.8	71.2	71.3	4.7	4.8	24.3		6		97				<0.2		1.7	
						6.4	0.3	174	29.4		8.1		24.8		71.4		4.8		24.3		7		98				<0.2		1.5	
IM7	Fine	Moderate	13:57	9.0	Surface	1.0	0.2	181	31.1	31.1	8.2	8.2	14.0	14.0	101.6	101.6	7.0	6.6	7.7	10.3	5	5	86	92	821359	806848	<0.2	<0.2	1.8	1.6
						1.0	0.2	193	31.1		8.2		14.0		101.6		7.0		7.7		5		86				<0.2		1.7	
					Middle	4.5	0.2	209	30.1	30.1	8.2	8.2	19.9	19.9	90.0	90.0	6.1		9.2		5		93				<0.2		1.7	
						4.5	0.2	215	30.1		8.2		19.9		89.9		6.1		9.2		5		93				<0.2		1.6	
					Bottom	8.0	0.1	123	29.6	29.6	8.1	8.1	23.9	23.9	73.3	73.3	4.9	4.9	13.9		6		97				<0.2		1.6	
						8.0	0.2	129	29.6		8.1		23.9		73.3		4.9		13.9		6		97				<0.2		1.4	
IM8	Fine	Moderate	13:50	8.3	Surface	1.0	0.3	154	30.8	30.8	8.0	8.0	17.3	17.3	89.5	89.5	6.1	5.7	9.7	12.0	4	5	87	89	821856	808159	<0.2	<0.2	1.9	1.8
						1.0	0.3	168	30.8		8.0		17.3		89.5		6.1		9.7		5		87				<0.2		1.8	
					Middle	4.2	0.2	149	30.1	30.1	8.0	8.0	20.4	20.4	77.0	77.0	5.2		13.6		6		89				<0.2		1.8	
						4.2	0.3	154	30.1		8.0		20.4		77.0		5.2		13.7		5		89				<0.2		1.8	
					Bottom	7.3	0.2	79	30.0	30.0	8.0	8.0	21.2	21.2	78.7	78.8	5.3	5.3	12.7		6		92				<0.2		1.7	
						7.3	0.2	82	30.0		8.0		21.2		78.8		5.3		12.7		5		92				<0.2		1.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 July 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	13:56	7.9	Surface	1.0	0.4	127	30.7	30.7	8.1	8.1	17.2	17.2	94.3	94.3	6.4	5.8	9.4	13.3	5	5	87	89	822118	808788	<0.2	<0.2	1.8	1.8
						1.0	0.5	130	30.7		8.1		17.2		94.2		6.4		9.4		5		87				<0.2		1.7	
					Middle	4.0	0.4	125	30.1	30.1	8.0	8.0	20.4	20.4	76.9	76.9	5.2		14.3		5		89				<0.2		1.7	
						4.0	0.5	133	30.1		8.0		20.4		76.8		5.2		14.3		5		89				<0.2		1.8	
					Bottom	6.9	0.3	88	29.9	29.9	8.0	8.0	21.7	21.7	78.1	78.2	5.3	5.3	16.2		6		92				<0.2		1.8	
						6.9	0.3	88	29.9		8.0		21.6		78.2		5.3		16.2		6		92				<0.2		1.8	
IM10	Fine	Moderate	14:04	7.4	Surface	1.0	0.7	110	30.8	30.8	8.1	8.1	16.0	16.0	96.4	96.4	6.6	6.1	9.1	16.9	3	5	87	90	822413	809806	<0.2	<0.2	2.0	1.9
						1.0	0.8	113	30.8		8.1		16.0		96.3		6.6		9.1		4		87				<0.2		1.9	
					Middle	3.7	0.7	112	30.4	30.4	8.0	8.0	18.9	18.9	81.8	81.7	5.5		14.6		4		89				<0.2		1.9	
						3.7	0.7	115	30.4		8.0		18.9		81.5		5.5		15.7		6		89				<0.2		1.8	
					Bottom	6.4	0.3	105	30.2	30.2	8.0	8.0	20.0	20.0	79.5	79.5	5.4	5.4	26.3		5		93				<0.2		1.9	
						6.4	0.4	114	30.2		8.0		20.0		79.5		5.4		26.7		6		93				<0.2		2.0	
IM11	Fine	Moderate	14:14	9.4	Surface	1.0	0.9	110	31.0	31.0	8.1	8.1	16.2	16.2	99.6	99.4	6.8	6.6	8.8	12.8	3	4	89	93	822030	811455	<0.2	<0.2	2.0	2.1
						1.0	1.0	110	31.0		8.1		16.2		99.2		6.8		8.9		4		90				<0.2		2.0	
					Middle	4.7	0.7	98	30.6	30.6	8.1	8.1	18.1	18.1	92.4	92.4	6.3		11.1		4		91				<0.2		2.0	
						4.7	0.7	107	30.6		8.1		18.1		92.4		6.3		11.1		4		91				<0.2		2.1	
					Bottom	8.4	0.4	100	30.3	30.3	8.0	8.0	19.7	19.7	86.0	86.0	5.8	5.8	18.4		6		94				<0.2		2.0	
						8.4	0.4	108	30.3		8.0		19.7		85.9		5.8		18.5		4		100				<0.2		2.2	
IM12	Fine	Moderate	14:20	10.7	Surface	1.0	0.7	94	30.9	30.9	8.1	8.1	17.3	17.3	97.2	97.2	6.6	6.6	9.4	15.6	2	3	89	91	821452	812020	<0.2	<0.2	1.9	1.9
						1.0	0.7	96	30.9		8.1		17.3		97.2		6.6		9.5		2		89				<0.2		1.9	
					Middle	5.4	0.8	89	30.5	30.5	8.0	8.0	20.3	20.3	96.6	96.6	6.5		15.4		4		91				<0.2		1.8	
						5.4	0.8	91	30.5		8.0		20.3		96.6		6.5		15.4		3		92				<0.2		2.0	
					Bottom	9.7	0.4	88	30.2	30.2	8.0	8.0	20.4	20.4	84.3	84.4	5.7	5.7	21.9		3		93				<0.2		1.9	
						9.7	0.4	94	30.2		8.0		20.4		84.4		5.7		21.7		4		94				<0.2		1.9	
SR2	Fine	Moderate	14:36	4.1	Surface	1.0	0.6	90	31.0	31.0	8.1	8.1	17.5	17.5	98.4	98.3	6.6	6.6	9.7	10.9	3	4	87	88	821488	814195	<0.2	<0.2	2.0	2.0
						1.0	0.6	91	31.0		8.1		17.5		98.1		6.6		9.8		4		87				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	82	30.3	30.3	8.0	8.0	19.8	19.8	89.9	90.0	6.1	6.1	12.2		4		89				<0.2		2.0	
						3.1	0.4	85	30.3		8.0		19.8		90.1		6.1		11.9		5		90				<0.2		1.8	
SR3	Fine	Moderate	13:43	9.5	Surface	1.0	0.2	172	30.4	30.4	8.0	8.0	18.8	18.8	84.1	84.1	5.7	5.5	11.2	14.1	6	6	-	-	822139	807551	-	-	-	-
						1.0	0.2	172	30.4		8.0		18.8		84.1		5.7		11.1		6		-				-		-	
					Middle	4.8	0.2	201	30.1	30.1	8.0	8.0	20.9	20.9	76.7	76.8	5.2		14.6		7		-				-		-	
						4.8	0.2	217	30.1		8.0		20.9		76.9		5.2		14.7		5		-				-		-	
					Bottom	8.5	0.0	84	30.0	30.0	8.0	8.0	21.2	21.2	77.6	77.6	5.2	5.2	16.5		6		-				-		-	
						8.5	0.0	88	30.0		8.0		21.2		77.6		5.2		16.5		7		-				-		-	
SR4A	Fine	Moderate	15:43	8.8	Surface	1.0	0.0	231	30.4	30.4	8.2	8.2	18.0	18.0	87.8	87.6	6.0	5.2	11.5	17.5	6	6	-	-	817183	807803	-	-	-	-
						1.0	0.0	250	30.4		8.2		17.9		87.4		6.0		11.5		4		-				-		-	
					Middle	4.4	0.1	81	29.3	29.3	8.1	8.1	26.4	26.4	64.2	64.2	4.3		19.5		6		-				-		-	
						4.4	0.1	84	29.3		8.1		26.4		64.2		4.3		19.5		6		-				-		-	
					Bottom	7.8	0.1	59	29.2	29.2	8.1	8.1	26.8	26.8	65.5	65.6	4.3	4.3	21.5		7		-				-		-	
						7.8	0.1	64	29.2		8.1		26.8		65.6		4.3		21.5		6		-				-		-	
SR5A	Fine	Moderate	16:00	4.6	Surface	1.0	0.1	153	31.2	31.2	8.3	8.3	19.1	19.1	122.7	122.7	8.2	8.2	9.0	10.0	7	7	-	-	816635	810680	-	-	-	-
						1.0	0.1	163	31.2		8.3		19.1		122.6		8.2		9.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	4	30.9	30.9	8.2	8.2	20.2	20.2	103.9	104.0	6.9	6.9	11.0		7		-				-		-	
						3.6	0.0	4	30.9		8.2		20.2		104.0		6.9		11.0		7		-				-		-	
SR6	Fine	Moderate	16:26	4.0	Surface	1.0	0.1	47	31.1	31.1	8.3	8.3	19.8	19.8	126.3	126.1	8.4	8.4	11.6	11.7	10	10	-	-	817925	814625	-	-	-	-
						1.0	0.1	50	31.1		8.3		19.8		125.9		8.4		11.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	34	30.8	30.8	8.2	8.2	20.3	20.3	116.4	116.7	7.8	7.8	11.7		11		-				-		-	
						3.0	0.0	36	30.8		8.2		20.3		116.9		7.8		11.7		10		-				-		-	
SR7	Fine	Moderate	15:16	20.6	Surface	1.0	0.8	88	31.2	31.2	8.3	8.3	19.7	19.7	121.8	121.8	8.1	6.5	8.4	9.1	6	6	-	-	823663	823749	-	-	-	-
						1.0	0.8	90	31.2		8.3		19.7		121.8		8.1		8.4		5		-				-		-	
					Middle	10.3	0.5	97	29.1	29.1	8.0	8.0	25.9	25.9	72.8	72.8	4.8		9.7		6		-				-		-	
						10.3	0.5	104	29.1		8.0		25.9		72.8		4.8		9.7		6		-				-		-	
					Bottom	19.6	0.2	74	29.0	29.0	8.0	8.0	26.4	26.4	72.0	72.0	4.8	4.8	9.1		7		-				-		-	
						19.6	0.2	75	29.0		8.0		26.4		72.0		4.8		9.1		6		-				-		-	
SR8	Fine	Moderate	14:28	3.7	Surface	1.0	-	-	30.9	30.9	8.1	8.1	17.2	17.2	99.9	99.9	6.8	6.8	9.7	10.4	6	5	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.9		8.1		17.2		99.9		6.8		9.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	-	-	30.6	30.6	8.1	8.1	18.0	18.0	96.7	96.8	6.6	6.6	11.1		5		-				-		-	
						2.7	-	-	30.6		8.1		18.0		96.8		6.6		11.2		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 31 July 18 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	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)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	08:49	9.3	Surface	1.0	0.3	15	29.7	29.7	8.1	8.1	15.6	15.6	83.6	83.5	5.8	5.3	10.7	17.2	5	7	90	96	815604	804267	<0.2	<0.2	1.4	1.4
						1.0	0.3	15	29.7		8.1		15.6		83.4		5.8		10.7		4		90				<0.2		1.2	
					Middle	4.7	0.3	1	29.4	29.4	8.1	8.1	25.2	25.2	70.3	70.3	4.7		16.6		8		96				<0.2		1.4	
						4.7	0.3	1	29.4		8.1		25.2		70.3		4.7		16.6		8		96				<0.2		1.1	
					Bottom	8.3	0.3	3	29.1	29.1	8.1	8.1	27.4	27.4	64.9	65.0	4.3	4.3	24.2		9		101				<0.2		1.6	
						8.3	0.3	3	29.1		8.1		27.4		65.0		4.3		24.5		9		100				<0.2		1.4	
C2	Fine	Moderate	09:30	12.8	Surface	1.0	0.4	3	30.4	30.4	8.0	8.0	16.9	16.9	80.6	80.5	5.5	5.3	9.4	15.9	4	5	87	90	825672	806928	<0.2	<0.2	2.3	2.3
						1.0	0.5	3	30.4		8.0		16.9		80.4		5.5		9.5		5		88				<0.2		2.1	
					Middle	6.4	0.5	341	30.4	30.4	8.0	8.0	20.2	20.2	74.7	74.6	5.0		12.9		5		89				<0.2		2.4	
						6.4	0.5	346	30.4		8.0		20.2		74.4		5.0		13.1		5		89				<0.2		2.3	
					Bottom	11.8	0.4	333	29.9	29.9	8.0	8.0	22.7	22.6	69.6	70.1	4.7	4.7	25.3		5		93				<0.2		2.1	
						11.8	0.4	337	29.9		8.0		22.6		70.5		4.7		25.2		6		93				<0.2		2.4	
C3	Cloudy	Moderate	07:30	11.5	Surface	1.0	0.5	271	30.3	30.3	8.0	8.0	19.1	19.0	82.3	82.2	5.6	5.4	8.9	10.0	4	6	87	91	822127	817810	<0.2	<0.2	2.2	2.0
						1.0	0.5	284	30.3		8.0		19.0		82.1		5.6		8.9		6		87				<0.2		2.0	
					Middle	5.8	0.4	253	29.9	29.9	8.0	8.0	22.4	22.4	77.7	77.7	5.2		9.6		6		91				<0.2		2.0	
						5.8	0.4	272	29.9		8.0		22.4		77.7		5.2		9.7		6		91				<0.2		2.0	
					Bottom	10.5	0.4	268	29.3	29.3	8.0	8.0	25.5	25.5	76.1	76.2	5.1	5.1	11.3		7		94				<0.2		2.0	
						10.5	0.4	275	29.3		8.0		25.5		76.2		5.1		11.4		6		94				<0.2		2.0	
IM1	Sunny	Moderate	08:23	5.7	Surface	1.0	0.4	26	29.8	29.8	8.1	8.1	17.9	17.9	93.2	93.2	6.4	6.4	7.6	8.2	8	9	86	88	817964	807115	<0.2	<0.2	1.8	1.6
						1.0	0.4	27	29.8		8.1		17.9		93.1		6.4		7.7		9		86				<0.2		1.6	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.4	357	30.0	30.0	8.1	8.1	21.4	21.3	88.3	88.3	5.9	6.0	8.7		10		90				<0.2		1.5	
						4.7	0.4	328	30.0		8.1		21.1		88.3		6.0		8.7		10		89				<0.2		1.4	
IM2	Sunny	Moderate	08:16	7.9	Surface	1.0	0.4	26	29.8	29.8	8.1	8.1	18.5	18.5	89.9	89.9	6.2	6.0	7.7	14.8	11	12	89	92	818156	806146	<0.2	<0.2	1.7	1.7
						1.0	0.5	28	29.8		8.1		18.5		89.8		6.2		7.8		10		89				<0.2		1.8	
					Middle	4.0	0.3	12	30.2	30.2	8.1	8.1	19.9	19.9	84.9	84.8	5.7		10.3		11		92				<0.2		1.6	
						4.0	0.3	12	30.2		8.1		19.9		84.7		5.7		10.4		12		92				<0.2		1.7	
					Bottom	6.9	0.4	354	29.8	29.8	8.1	8.1	23.1	23.1	77.4	77.5	5.2	5.2	26.2		13		96				<0.2		1.6	
						6.9	0.4	326	29.8		8.1		23.1		77.5		5.2		26.3		15		96				<0.2		1.6	
IM3	Sunny	Moderate	08:09	8.1	Surface	1.0	0.5	4	29.7	29.7	8.1	8.1	17.4	17.4	88.8	88.8	6.1	5.9	7.1	8.9	13	14	90	94	818800	805605	<0.2	<0.2	2.0	1.8
						1.0	0.5	4	29.7		8.1		17.4		88.7		6.1		7.1		13		90				<0.2		1.9	
					Middle	4.1	0.4	348	30.1	30.1	8.1	8.1	19.3	19.3	83.1	83.1	5.6		8.4		13		96				<0.2		1.7	
						4.1	0.4	320	30.1		8.1		19.3		83.0		5.6		8.4		14		96				<0.2		1.7	
					Bottom	7.1	0.3	305	29.9	29.9	8.1	8.1	21.6	21.7	75.4	75.4	5.1	5.1	11.1		14		97				<0.2		1.7	
						7.1	0.3	312	29.9		8.1		21.7		75.4		5.1		11.3		15		97				<0.2		1.7	
IM4	Sunny	Moderate	08:00	8.0	Surface	1.0	0.6	40	29.7	29.7	8.0	8.0	15.9	15.9	85.2	85.2	5.9	5.7	8.3	13.4	4	5	90	95	819736	804621	<0.2	<0.2	2.2	1.8
						1.0	0.7	41	29.7		8.0		15.9		85.1		5.9		8.3		5		90				<0.2		2.1	
					Middle	4.0	0.8	38	29.9	29.9	8.1	8.1	18.6	18.6	80.9	80.9	5.5		10.3		5		95				<0.2		1.8	
						4.0	0.8	40	29.9		8.1		18.6		80.8		5.5		10.4		5		96				<0.2		1.7	
					Bottom	7.0	0.4	30	29.2	29.2	8.0	8.0	25.6	25.6	64.0	64.1	4.3	4.3	21.6		6		98				<0.2		1.5	
						7.0	0.4	30	29.2		8.0		25.5		64.1		4.3		21.4		7		98				<0.2		1.6	
IM5	Sunny	Moderate	07:50	7.4	Surface	1.0	0.0	149	29.8	29.8	8.0	8.0	16.6	16.6	84.7	84.7	5.9	5.6	7.7	11.8	5	6	90	93	820758	804846	<0.2	<0.2	2.1	1.7
						1.0	0.0	155	29.8		8.0		16.6		84.6		5.9		7.7		5		90				<0.2		2.0	
					Middle	3.7	0.1	243	30.0	30.0	8.1	8.1	20.3	20.3	78.2	78.2	5.3		9.0		6		91				<0.2		1.6	
						3.7	0.1	250	30.0		8.1		20.3		78.2		5.3		9.1		7		92				<0.2		1.6	
					Bottom	6.4	0.1	255	29.6	29.6	8.0	8.0	23.0	23.0	71.1	71.2	4.8	4.8	18.6		6		97				<0.2		1.4	
						6.4	0.1	269	29.6		8.0		23.1		71.2		4.8		18.6		7		96				<0.2		1.5	
IM6	Sunny	Moderate	07:42	7.3	Surface	1.0	0.0	305	30.2	30.2	8.1	8.1	17.8	17.8	84.1	84.1	5.8	5.7	8.6	12.9	4	6	89	94	821051	805823	<0.2	<0.2	2.2	1.9
						1.0	0.0	323	30.2		8.1		17.8		84.1		5.8		8.6		5		90				<0.2		2.1	
					Middle	3.7	0.1	294	30.2	30.2	8.1	8.1	18.6	18.6	80.6	80.6	5.5		10.9		7		96				<0.2		1.9	
						3.7	0.1	310	30.2		8.1		18.6		80.6		5.5		11.0		6		95				<0.2		2.0	
					Bottom	6.3	0.1	299	30.0	30.0	8.1	8.1	20.8	20.9	77.3	77.4	5.2	5.2	19.1		7		98				<0.2		1.8	
						6.3	0.1	322	30.0		8.1		21.0		77.4		5.2		19.2		6		98				<0.2		1.6	
IM7	Sunny	Moderate	07:35	8.2	Surface	1.0	0.1	298	30.3	30.3	8.0	8.0	16.6	16.6	82.7	82.7	5.7	5.6	8.4	13.3	5	5	89	95	821361	806821	<0.2	<0.2	2.2	2.3
						1.0	0.1	327	30.3		8.0		16.6		82.6		5.7		8.4		4		89				<0.2		2.2	
					Middle	4.1	0.0	317	30.3	30.3	8.0	8.0	17.6	17.6	79.1	79.1	5.4		10.9		4		95				<0.2		2.4	
						4.1	0.0	319	30.3		8.0		17.6		79.1		5.4		11.1		6		95				<0.2		2.3	
					Bottom	7.2	0.0	142	30.3	30.3	8.0	8.0	18.1	18.1	81.4	81.4	5.6	5.6	20.7		6		102				<0.2		2.3	
						7.2	0.0	149	30.3		8.0		18.1		81.4		5.6		20.5		6		101				<0.2		2.4	
IM8	Fine	Moderate	09:02	8.4	Surface	1.0	0.3	288	30.4	30.4	8.0	8.0	17.4	17.4	82.6	82.5	5.6	5.5	10.9	14.6	5	5	88	91	821809	808126	<0.2	<0.2	2.1	2.1
						1.0	0.3	314	30.4		8.0		17.4		82.4		5.6		11.1		5		88				<0.2		2.1	
					Middle	4.2	0.2	291	30.3	30.3	8.0	8.0	18.1	18.1	79.2	79.2	5.4		17.6		6		91				<0.2		2.1	
						4.2	0.2	317	30.3		8.0		18.1		79.2		5.4		17.5		5		91				<0.2		2.0	
					Bottom	7.4	0.1	255	30.3	30.3	8.0	8.0	18.4	18.4	78.3	78.3	5.3	5.3	15.4		6		94				<0.2		2.2	
						7.4	0.1	255	30.3		8.0		18.4		78.3		5.3		15.3		5		94				<0.2		1.9	

DA: Depth-Averaged

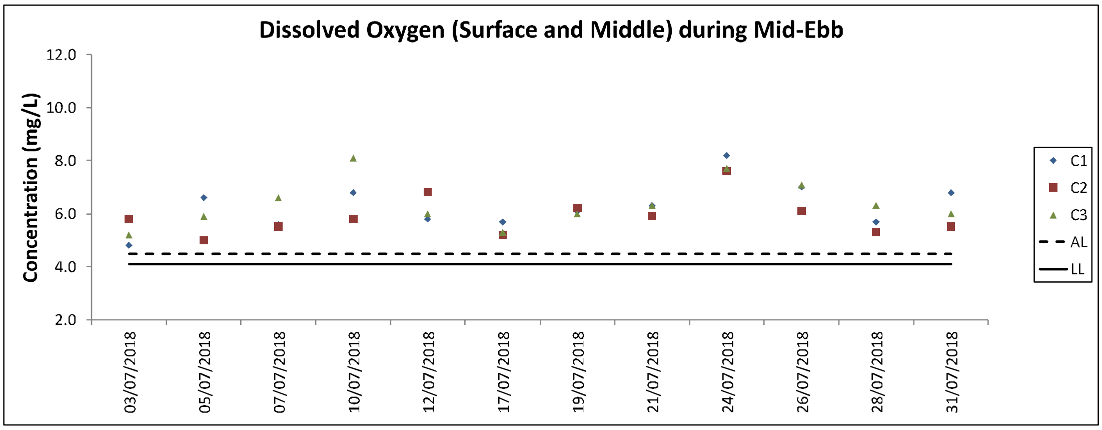
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

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 31 July 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Fine	Moderate	08:50	8.1	Surface	1.0	0.4	310	30.5	30.5	8.0	8.0	17.5	17.5	80.3	80.3	5.5	5.4	11.7	19.9	4	5	87	90	822077	808797	<0.2	<0.2	2.2	2.2
						1.0	0.4	334	30.5		8.0		17.5		80.2		5.5		11.8		3		88				<0.2		2.3	
					Middle	4.1	0.4	301	30.3	30.3	8.0	8.0	19.0	19.0	76.8	76.7	5.2		21.1		5		89				<0.2		2.1	
						4.1	0.4	320	30.3		8.0		19.0		76.6		5.2		21.1		4		89				<0.2		2.2	
					Bottom	7.1	0.2	289	30.3	30.3	8.0	8.0	19.0	19.0	77.1	77.2	5.2	5.2	27.0		5		94				<0.2		2.3	
						7.1	0.3	303	30.3		8.0		19.0		77.3		5.2		26.9		6		94				<0.2		2.1	
IM10	Fine	Moderate	08:40	8.5	Surface	1.0	0.5	302	30.3	30.3	8.0	8.0	17.3	17.3	81.7	81.7	5.6	5.5	9.4	19.4	5	5	91	95	822402	809776	<0.2	<0.2	2.1	2.1
						1.0	0.6	306	30.3		8.0		17.3		81.6		5.6		9.5		4		91				<0.2		2.0	
					Middle	4.3	0.5	306	30.3	30.3	8.0	8.0	17.8	17.8	79.0	79.0	5.4		13.0		5		95				<0.2		2.1	
						4.3	0.6	307	30.3		8.0		17.8		79.0		5.4		13.1		5		96				<0.2		2.2	
					Bottom	7.5	0.4	307	30.1	30.1	8.0	8.0	20.8	20.8	83.0	83.2	5.6	5.6	35.7		5		97				<0.2		2.1	
						7.5	0.4	315	30.1		8.0		20.8		83.4		5.6		35.7		6		97				<0.2		2.2	
IM11	Fine	Moderate	08:31	9.5	Surface	1.0	0.4	310	30.2	30.2	8.0	8.0	17.6	17.6	80.2	80.3	5.5	5.3	9.4	12.6	5	6	88	93	822027	811436	<0.2	<0.2	2.2	2.2
						1.0	0.4	321	30.2		8.0		17.6		80.3		5.5		9.4		5		89				<0.2		2.2	
					Middle	4.8	0.5	308	30.1	30.1	8.0	8.0	20.6	20.6	75.8	75.8	5.1		12.1		6		93				<0.2		2.3	
						4.8	0.5	316	30.1		8.0		20.6		75.7		5.1		12.2		6		94				<0.2		2.1	
					Bottom	8.5	0.1	314	29.7	29.7	8.0	8.0	23.7	23.7	73.9	74.0	4.9	4.9	16.3		6		96				<0.2		2.1	
						8.5	0.1	325	29.7		8.0		23.7		74.1		4.9		16.2		6		96				<0.2		2.2	
IM12	Fine	Moderate	08:21	8.5	Surface	1.0	0.7	280	30.4	30.4	8.0	8.0	18.5	18.4	83.5	83.5	5.7	5.6	11.8	18.1	5	5	87	90	821462	812033	<0.2	<0.2	2.1	2.0
						1.0	0.7	294	30.4		8.0		18.4		83.5		5.7		12.3		5		88				<0.2		1.9	
					Middle	4.3	0.7	277	30.2	30.2	8.1	8.1	21.2	21.2	82.0	82.1	5.5		18.3		5		90				<0.2		2.0	
						4.3	0.7	277	30.2		8.1		21.1		82.1		5.5		18.0		5		90				<0.2		2.0	
					Bottom	7.5	0.3	261	29.8	29.8	8.0	8.0	23.1	23.1	75.4	75.6	5.0	5.1	24.1		6		94				<0.2		1.8	
						7.5	0.3	273	29.8		8.0		23.1		75.7		5.1		24.0		6		93				<0.2		2.0	
SR2	Fine	Calm	07:51	4.8	Surface	1.0	0.1	347	30.1	30.1	8.0	8.0	19.7	19.8	79.3	79.3	5.4	5.4	13.5	14.0	9	8	85	87	821453	814137	<0.2	<0.2	1.7	1.9
						1.0	0.1	319	30.1		8.0		19.8		79.3		5.4		13.6		7		85				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	7	30.1	30.1	8.0	8.0	20.8	20.8	81.2	81.3	5.5	5.5	14.5		9		88				<0.2		1.9	
						3.8	0.1	7	30.1		8.0		20.8		81.3		5.5		14.5		8		88				<0.2		1.9	
SR3	Fine	Moderate	09:12	9.7	Surface	1.0	0.2	344	30.4	30.4	8.0	8.0	17.3	17.3	79.4	79.4	5.4	5.4	9.6	11.3	6	6	-	-	822157	807572	-	-	-	-
						1.0	0.3	345	30.4		8.0		17.3		79.4		5.4		9.6		5		-				-		-	
					Middle	4.9	0.2	8	30.3	30.3	8.0	8.0	18.2	18.2	77.8	77.8	5.3		10.7		5		-				-		-	
						4.9	0.3	8	30.3		8.0		18.2		77.8		5.3		10.8		6		-				-		-	
					Bottom	8.7	0.2	37	30.3	30.3	8.0	8.0	18.7	18.7	77.8	77.8	5.3	5.3	13.5		6		-				-		-	
						8.7	0.2	40	30.3		8.0		18.7		77.8		5.3		13.5		6		-				-		-	
SR4A	Sunny	Moderate	09:08	9.8	Surface	1.0	0.4	10	30.2	30.2	8.1	8.1	18.4	18.4	91.1	91.1	6.2	5.9	8.2	9.9	6	7	-	-	817164	807834	-	-	-	-
						1.0	0.4	10	30.2		8.1		18.4		91.0		6.2		8.2		5		-				-		-	
					Middle	4.9	0.5	-	30.2	30.2	8.1	8.1	20.4	20.4	82.2	82.2	5.5		10.5		8		-				-		-	
						4.9	0.5	-	30.2		8.1		20.4		82.1		5.5		10.6		6		-				-		-	
					Bottom	8.8	0.4	24	29.8	29.8	8.1	8.1	23.6	23.6	78.7	78.9	5.2	5.3	10.8		8		-				-		-	
						8.8	0.4	25	29.8		8.1		23.6		79.0		5.3		10.8		7		-				-		-	
SR5A	Sunny	Moderate	09:24	4.1	Surface	1.0	0.3	336	30.6	30.6	8.2	8.2	20.3	20.3	97.6	97.6	6.5	6.5	10.0	10.6	6	7	-	-	816607	810670	-	-	-	-
						1.0	0.3	343	30.6		8.2		20.3		97.6		6.5		10.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	7	30.5	30.5	8.2	8.2	20.3	20.3	96.6	96.6	6.5	6.5	11.1		7		-				-		-	
						3.1	0.3	7	30.5		8.2		20.3		96.6		6.5		11.1		8		-				-		-	
SR6	Sunny	Moderate	09:49	5.2	Surface	1.0	0.1	271	30.5	30.5	8.1	8.1	18.5	18.5	90.5	90.5	6.1	6.1	9.1	9.4	4	5	-	-	817922	814636	-	-	-	-
						1.0	0.1	295	30.5		8.1		18.5		90.4		6.1		9.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	23	30.3	30.3	8.1	8.1	19.6	19.6	87.8	87.8	5.9	5.9	9.6		5		-				-		-	
						4.2	0.3	23	30.3		8.1		19.6		87.8		5.9		9.6		5		-				-		-	
SR7	Cloudy	Moderate	06:53	18.9	Surface	1.0	0.1	149	30.3	30.3	8.0	8.0	19.9	19.9	85.6	85.6	5.8	5.3	7.7	8.2	4	3	-	-	823641	823721	-	-	-	-
						1.0	0.1	152	30.3		8.0		19.9		85.5		5.8		7.7		3		-				-		-	
					Middle	9.5	0.2	190	29.3	29.3	8.0	8.0	25.7	25.7	72.2	72.2	4.8		8.2		3		-				-		-	
						9.5	0.2	193	29.3		8.0		25.7		72.2		4.8		8.2		3		-				-		-	
					Bottom	17.9	0.1	151	28.7	28.7	8.0	8.0	28.0	28.0	68.9	69.0	4.6	4.6	8.6		3		-				-		-	
						17.9	0.1	162	28.7		8.0		28.0		69.0		4.6		8.6		4		-				-		-	
SR8	Fine	Calm	08:07	4.6	Surface	1.0	-	-	30.3	30.3	8.1	8.1	18.6	18.6	85.5	85.6	5.8	5.8	10.1	10.8	4	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.3		8.1		18.6		85.7		5.8		10.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	30.3	30.3	8.1	8.1	19.9	19.9	88.1	88.2	6.0	6.0	11.4		4		-				-		-	
						3.6	-	-	30.3		8.1		19.9		88.3		6.0		11.4		4		-				-		-	

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


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
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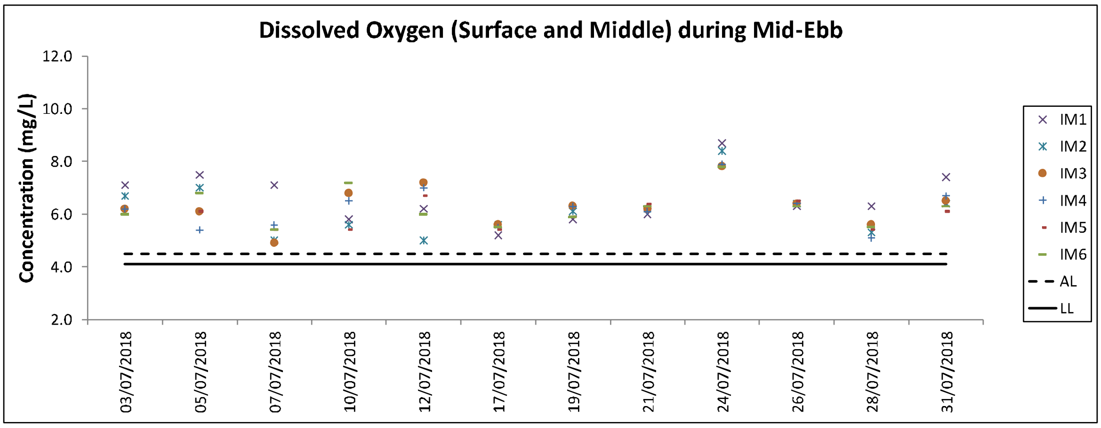
24/07/2018
26/07/2018
28/07/2018
31/07/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
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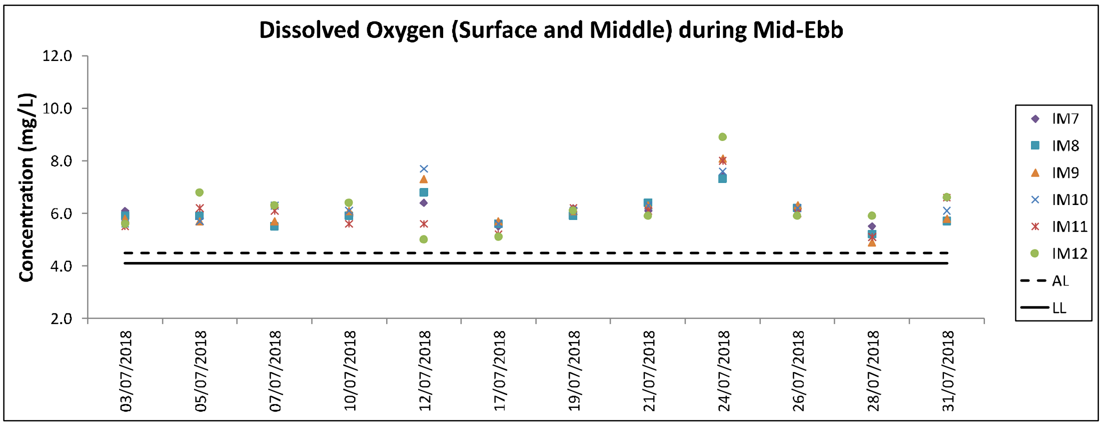
28/07/2018
31/07/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
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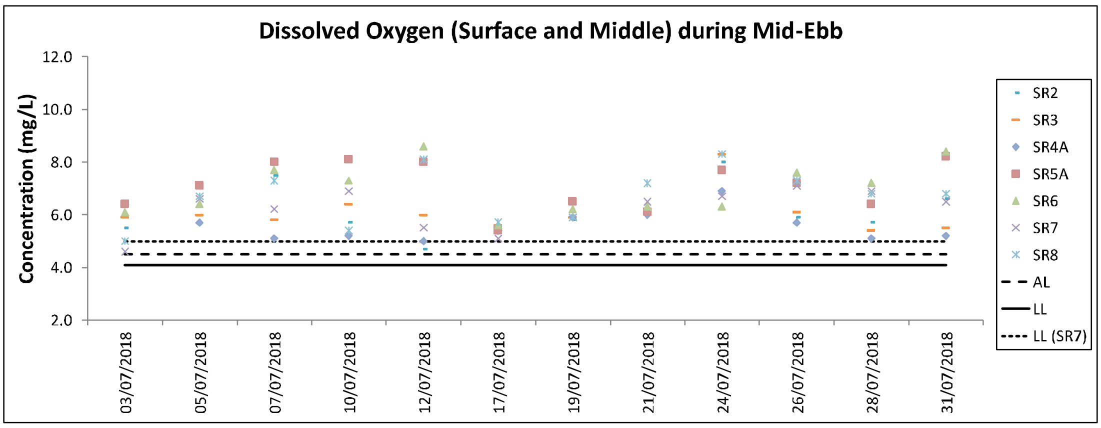
26/07/2018
28/07/2018
31/07/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
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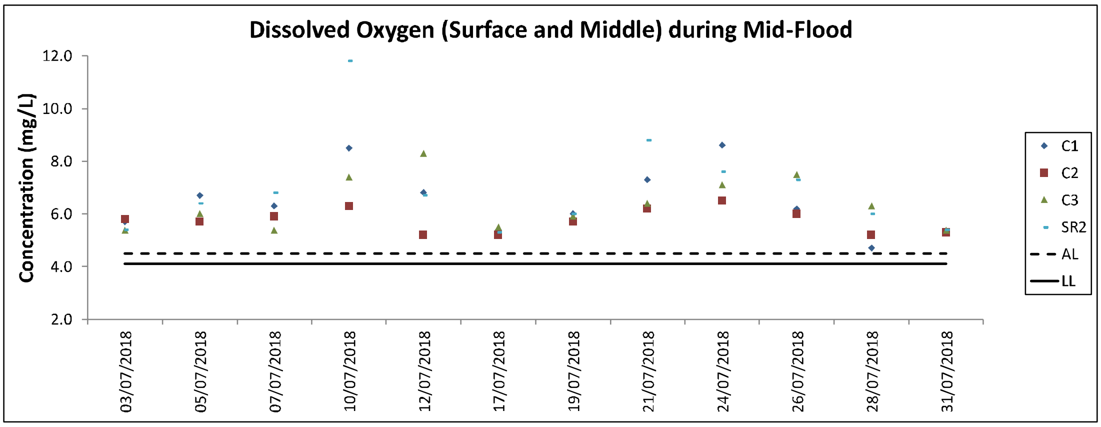
31/07/2018
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
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05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
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28/07/2018
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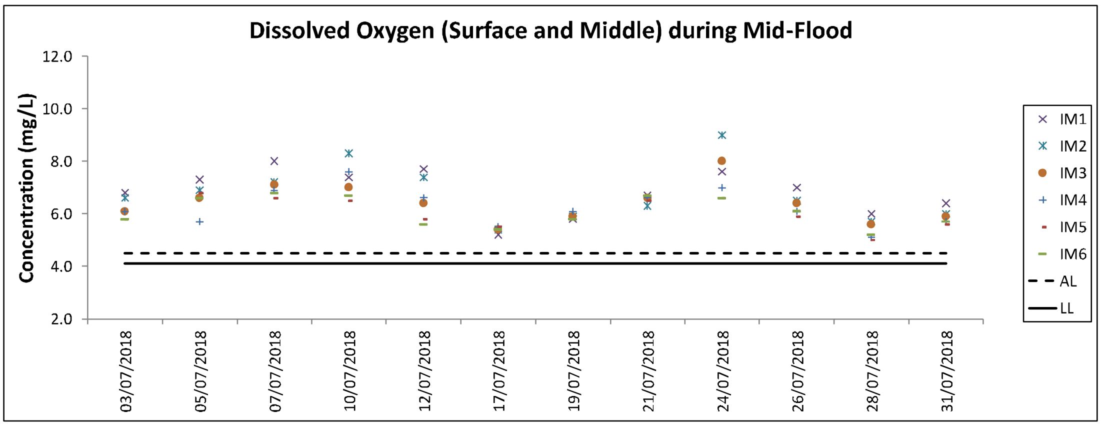
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
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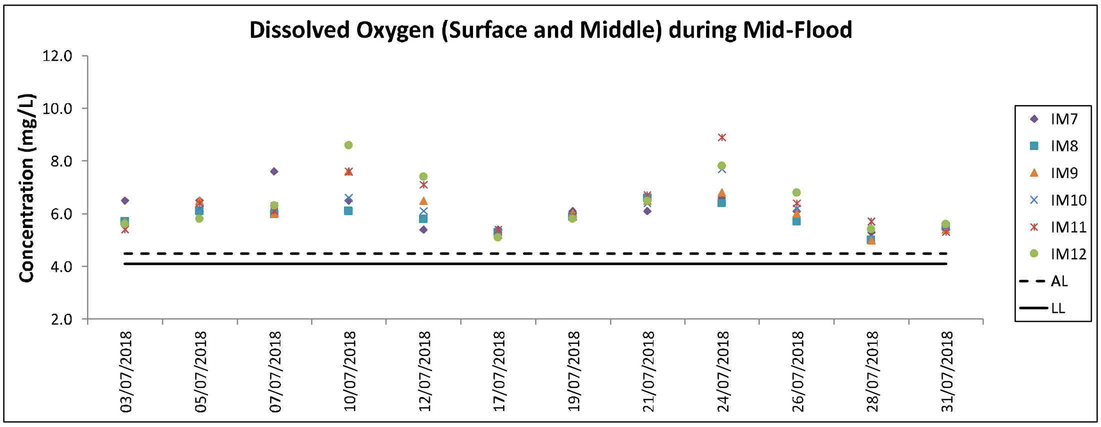
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
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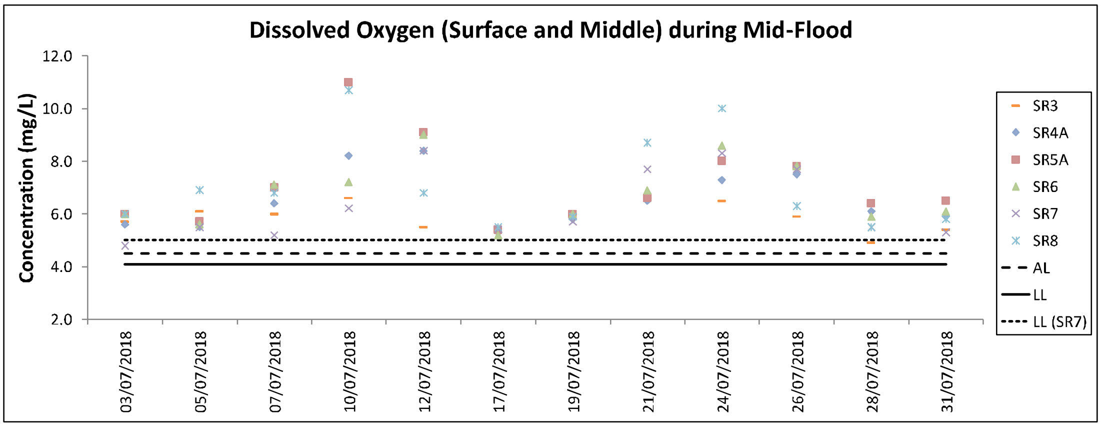
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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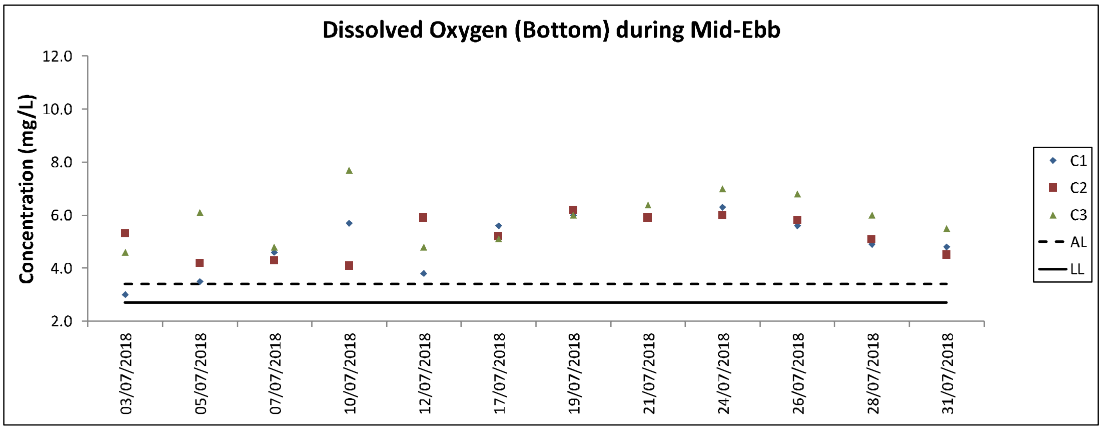
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
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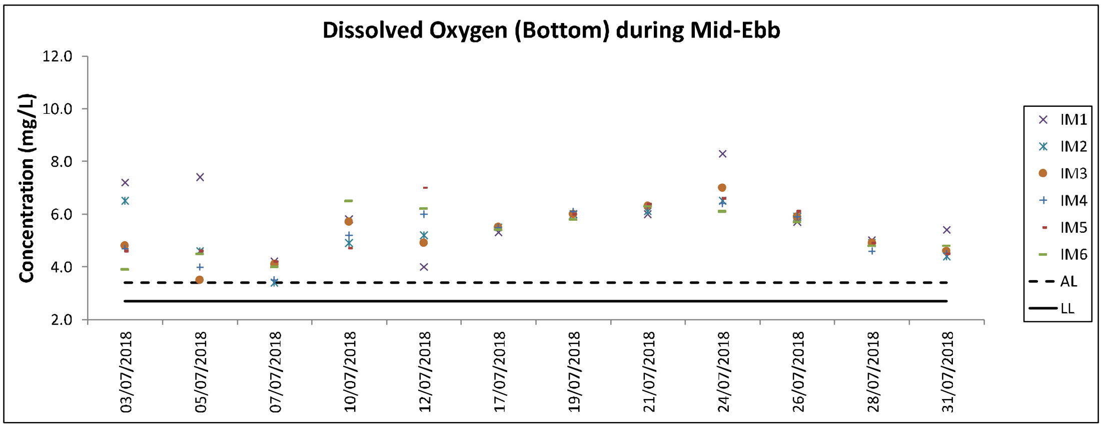
31/07/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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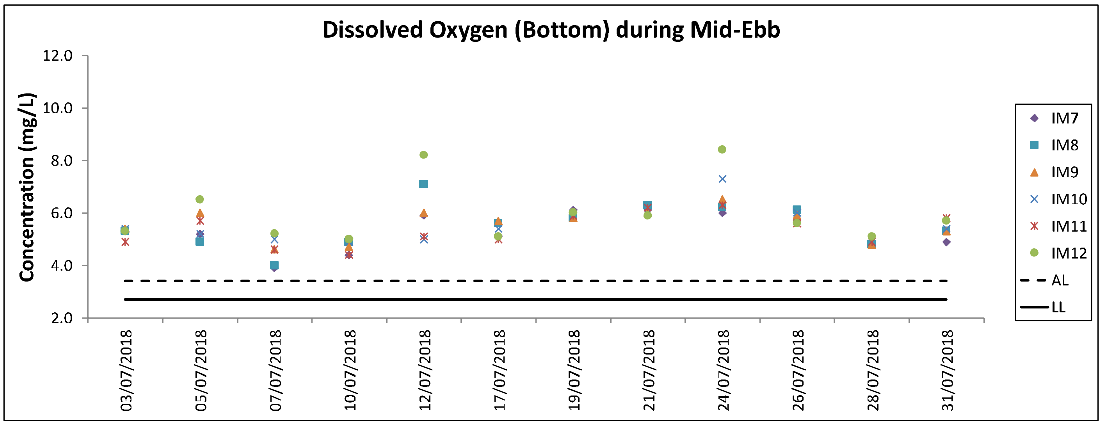
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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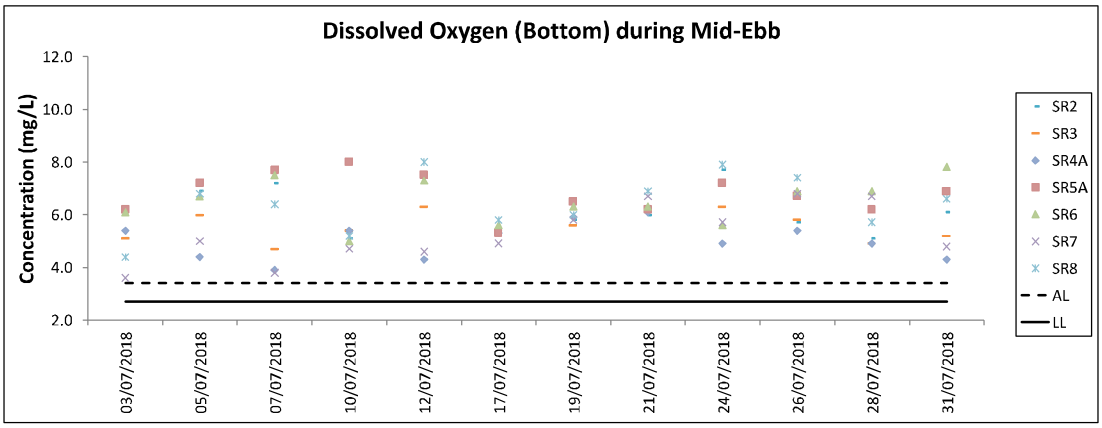
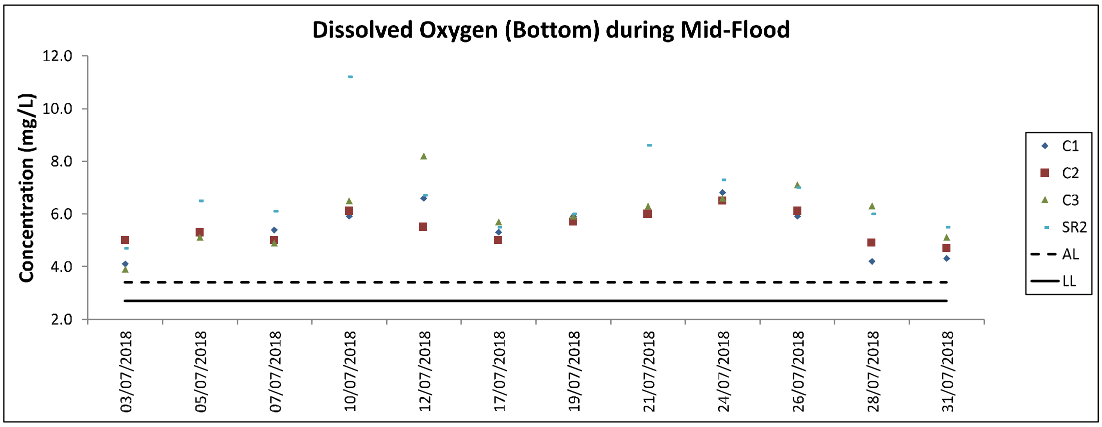
10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
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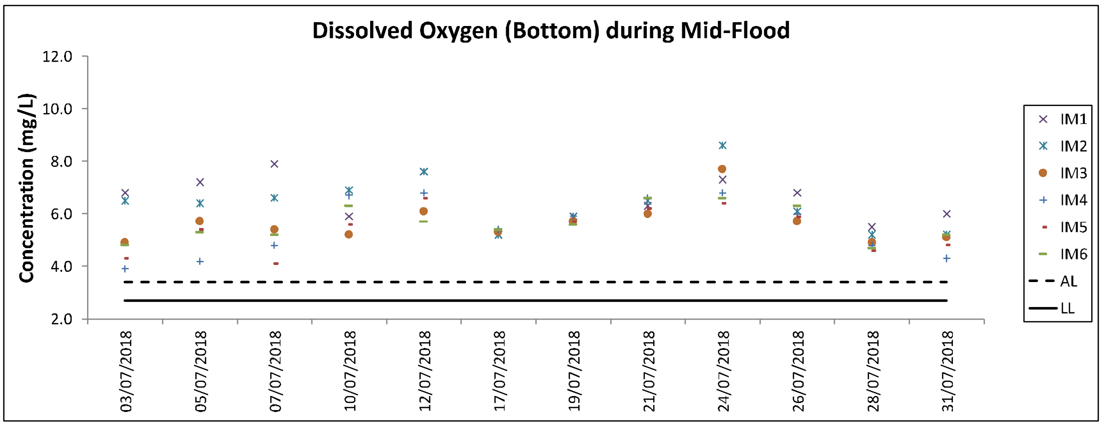
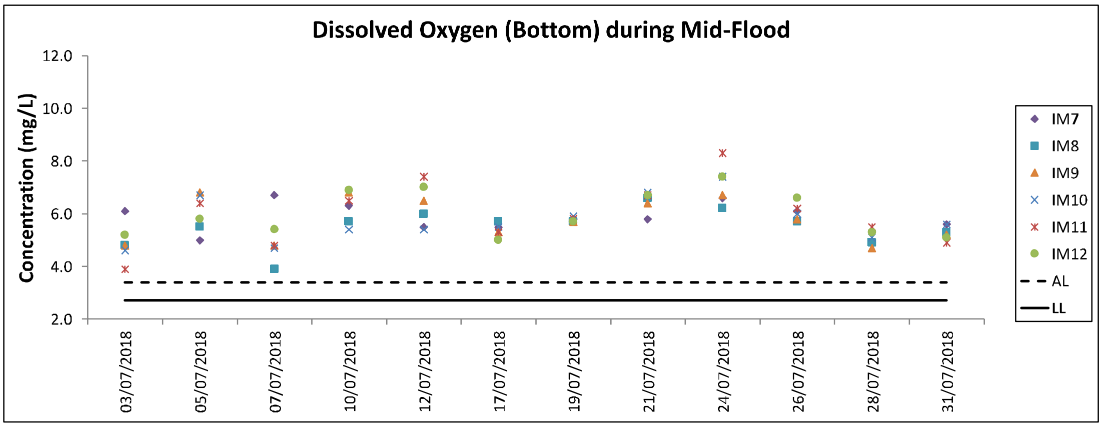
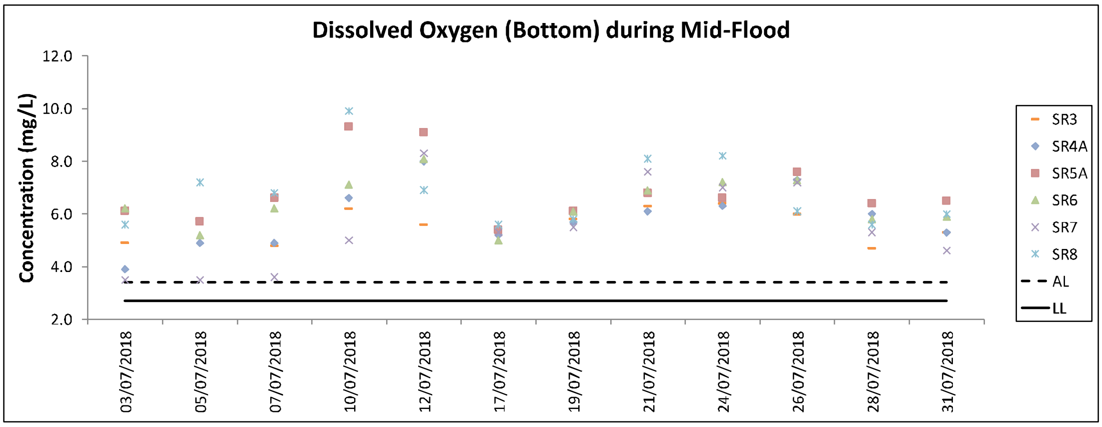
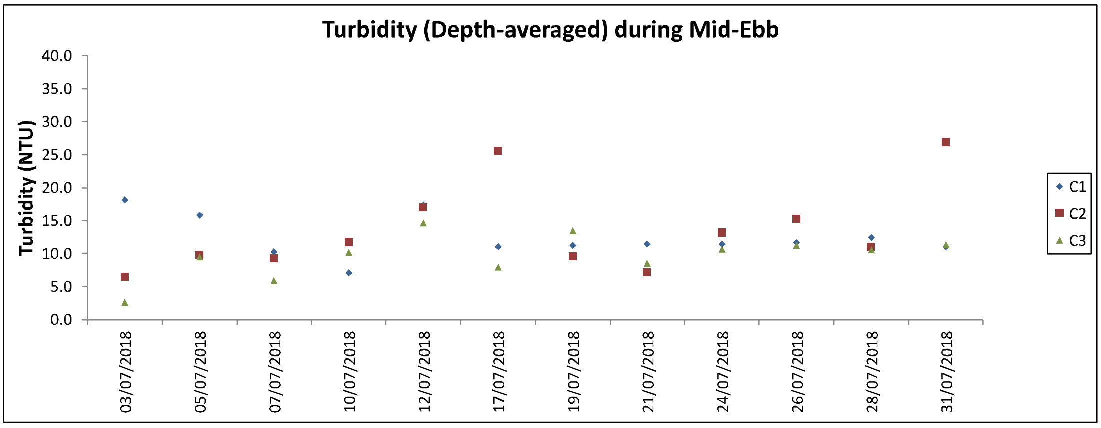
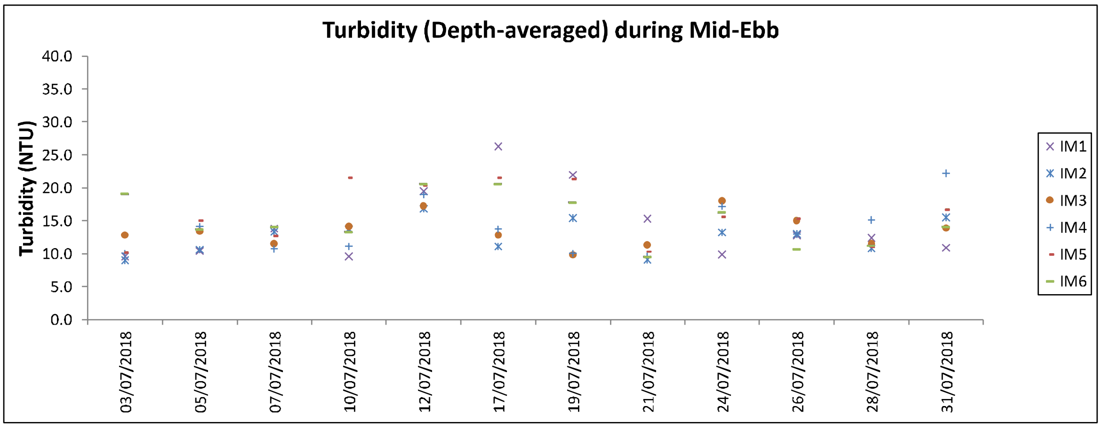
31/07/2018
C1
C2
C3
SR2
AL
LL

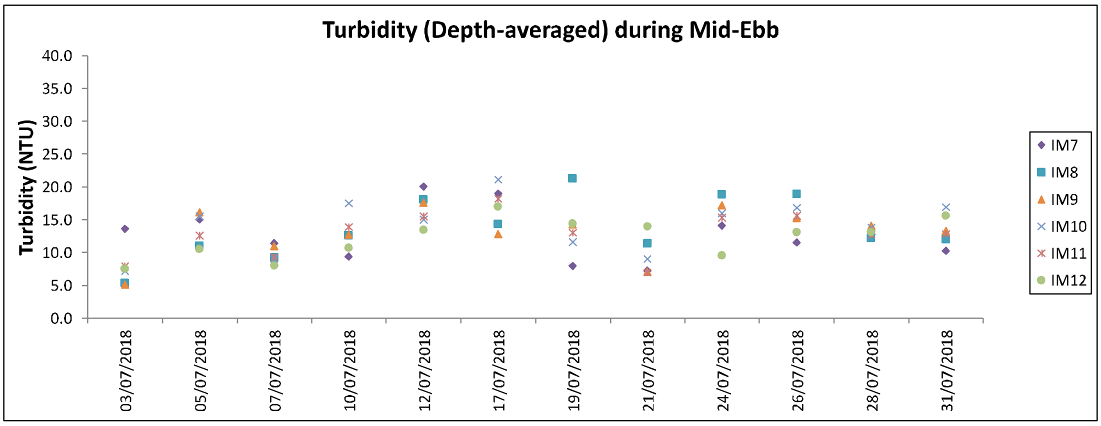

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

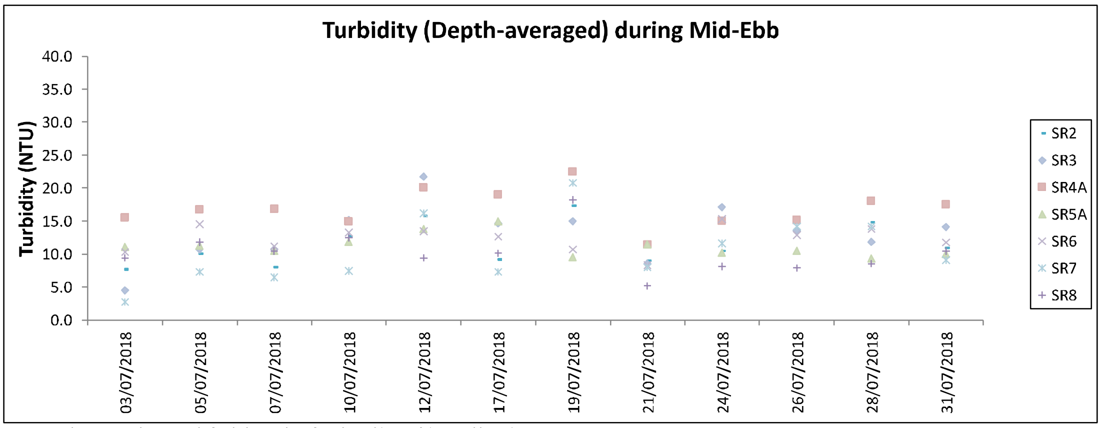

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
03/07/2018
05/07/2018
07/07/2018
10/07/2018
12/07/2018
17/07/2018
19/07/2018
21/07/2018
24/07/2018
26/07/2018
28/07/2018
31/07/2018
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

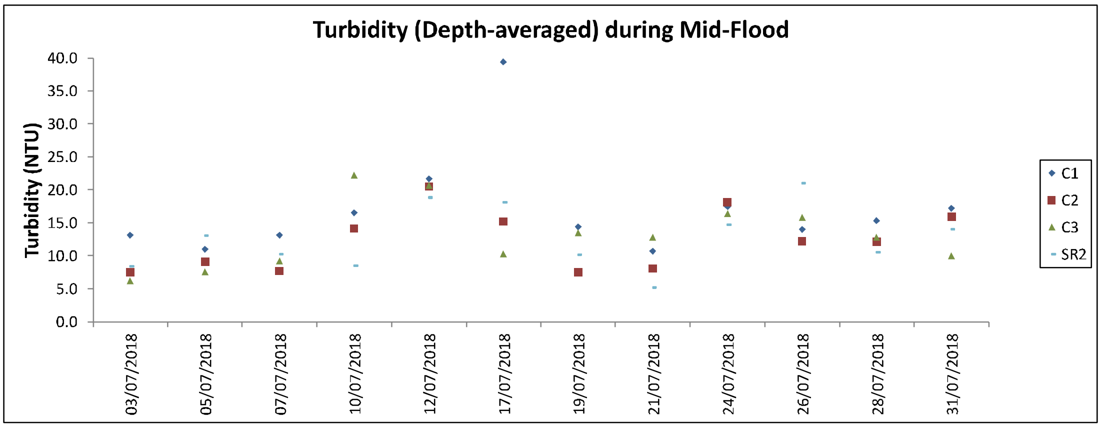


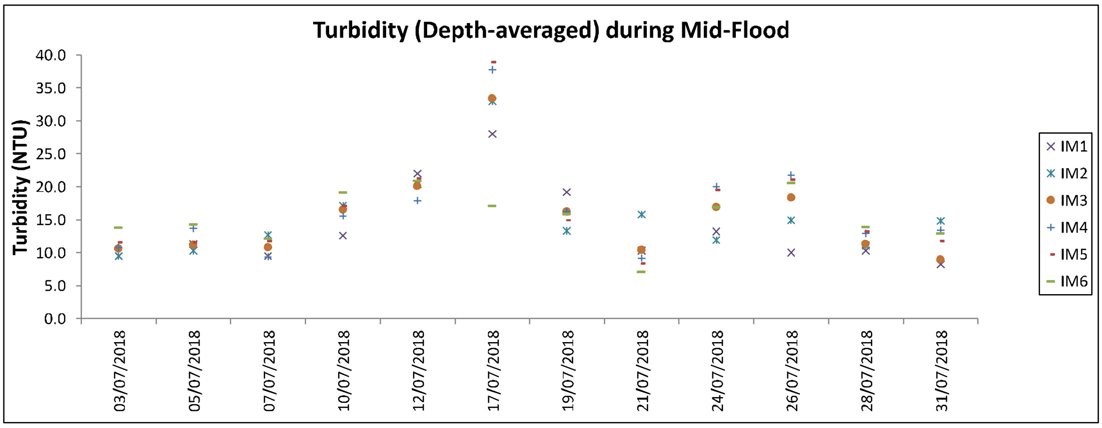


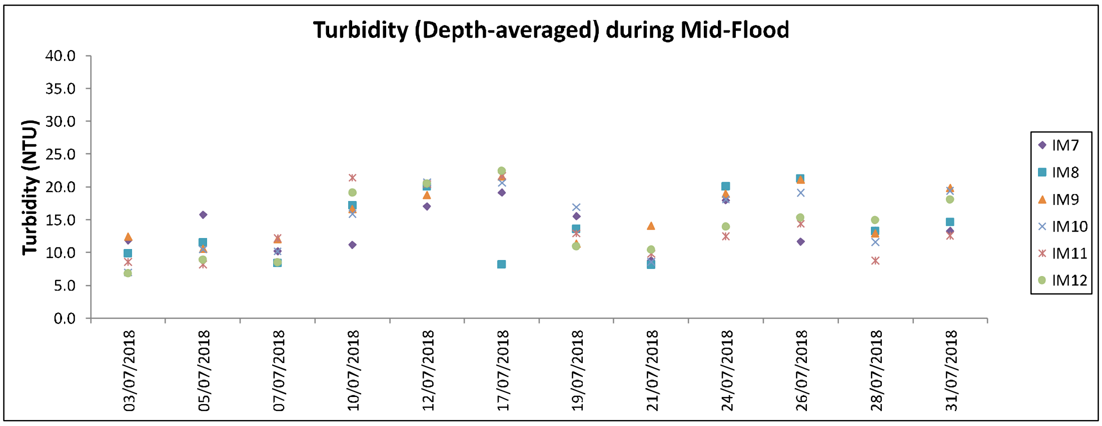


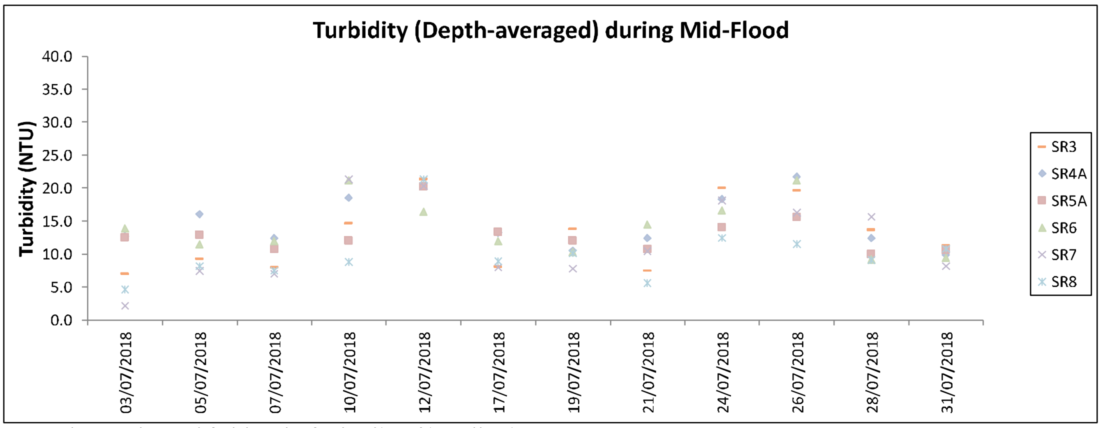


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

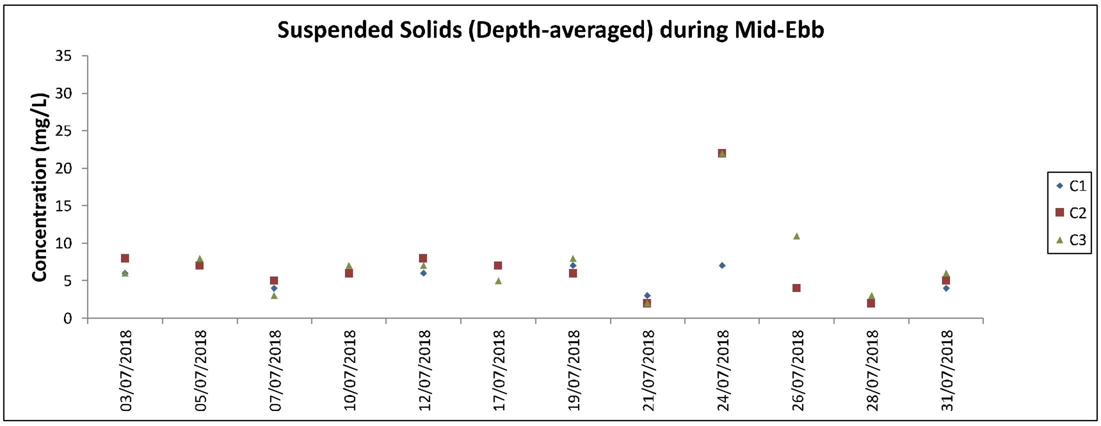


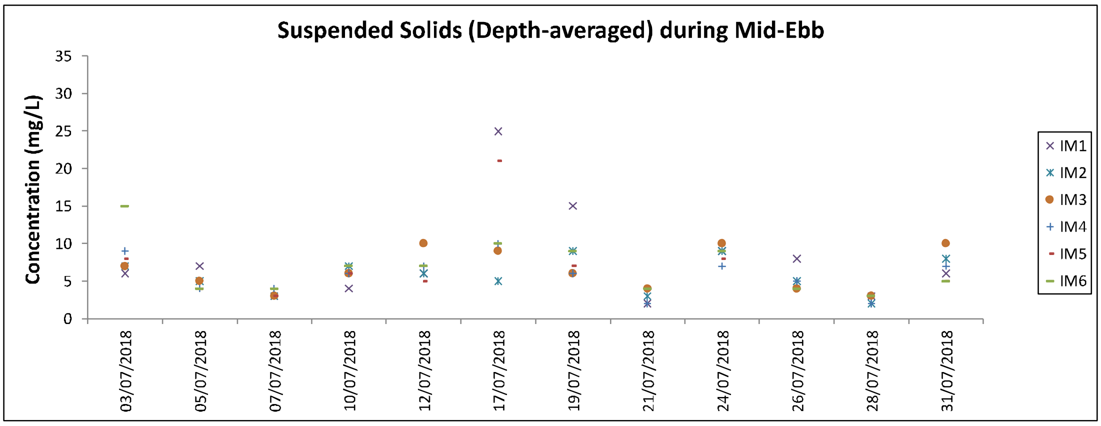


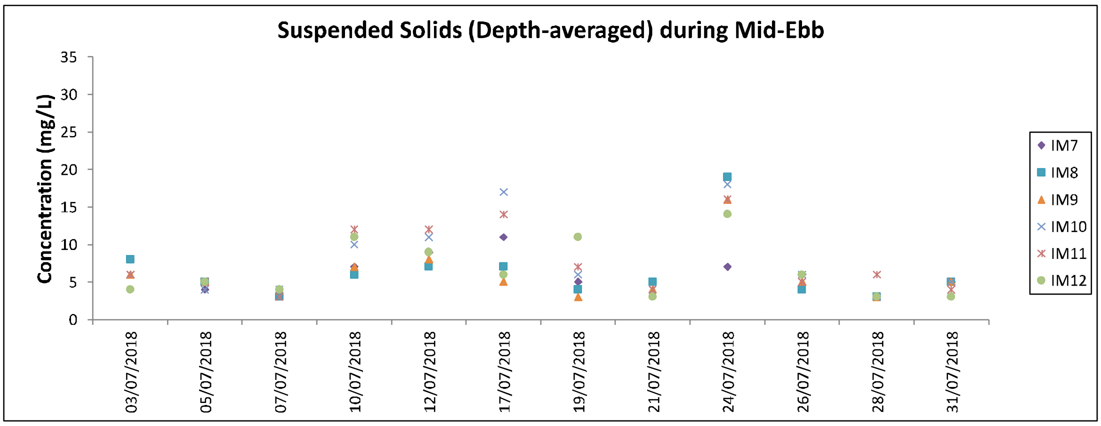


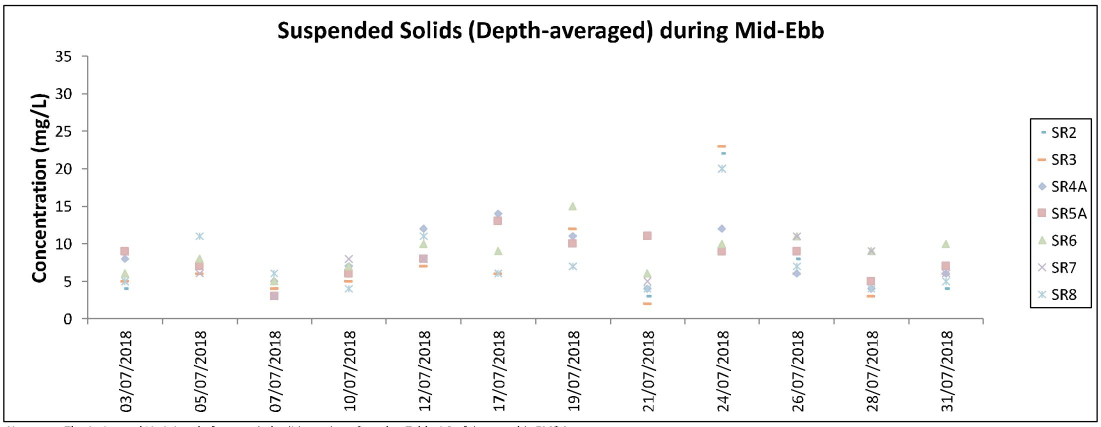


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

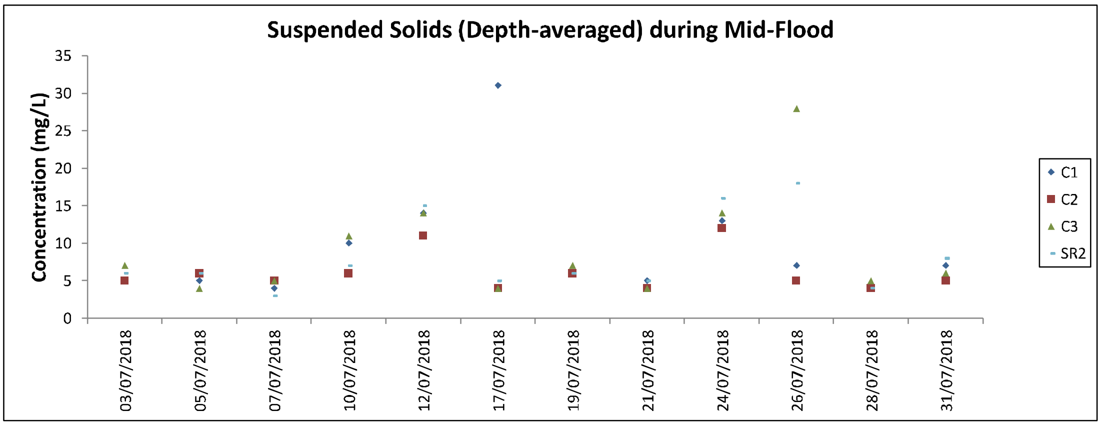


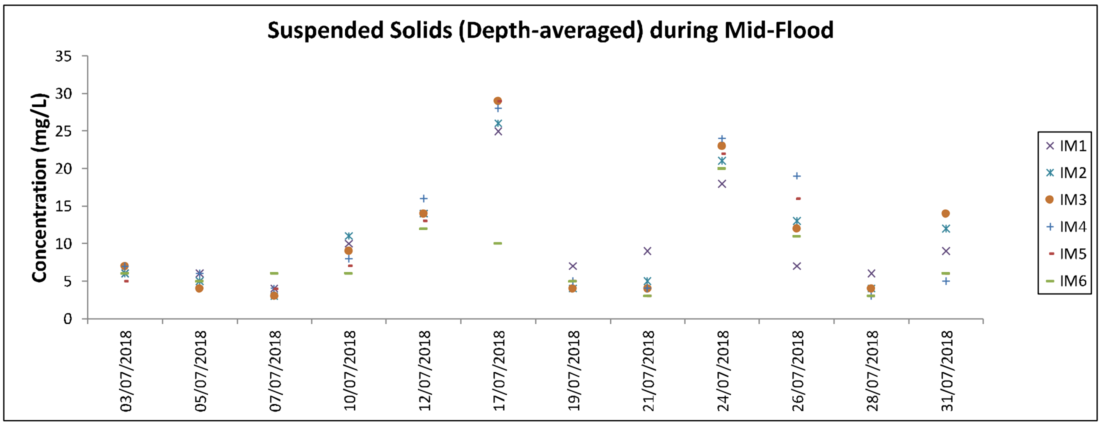


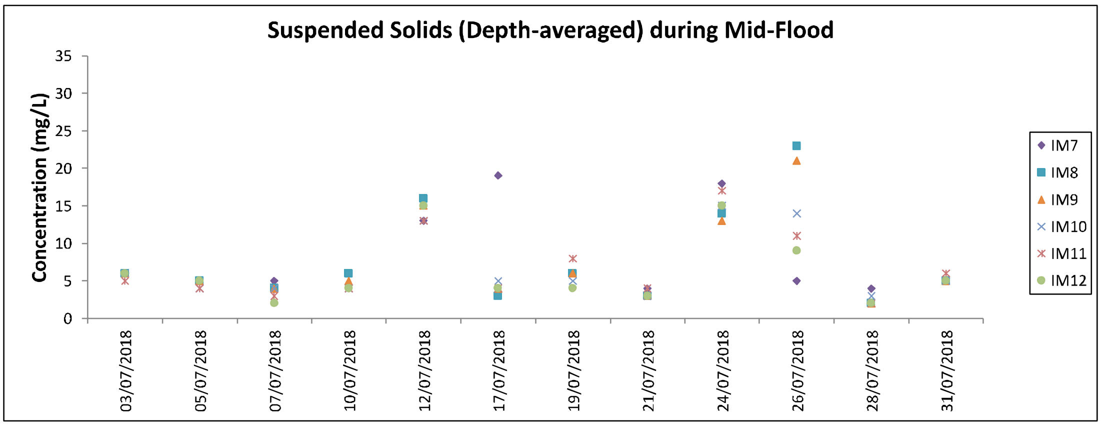


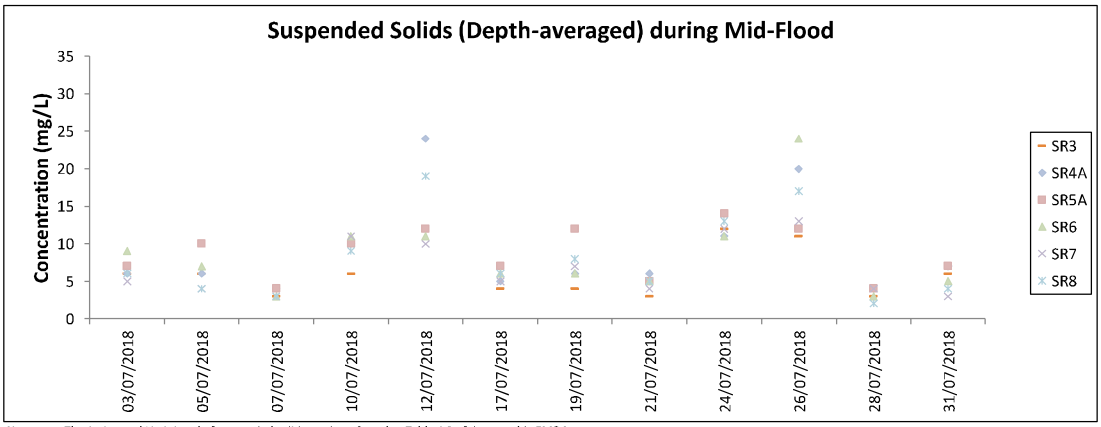


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

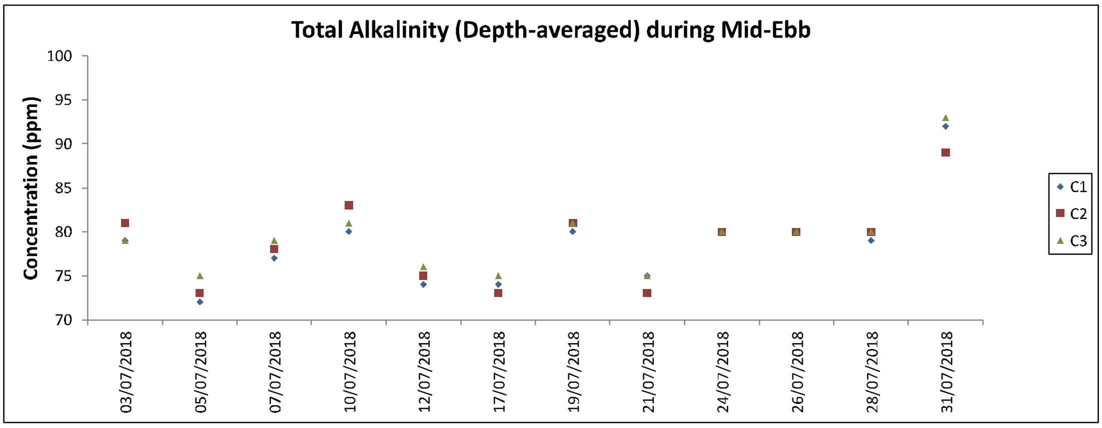


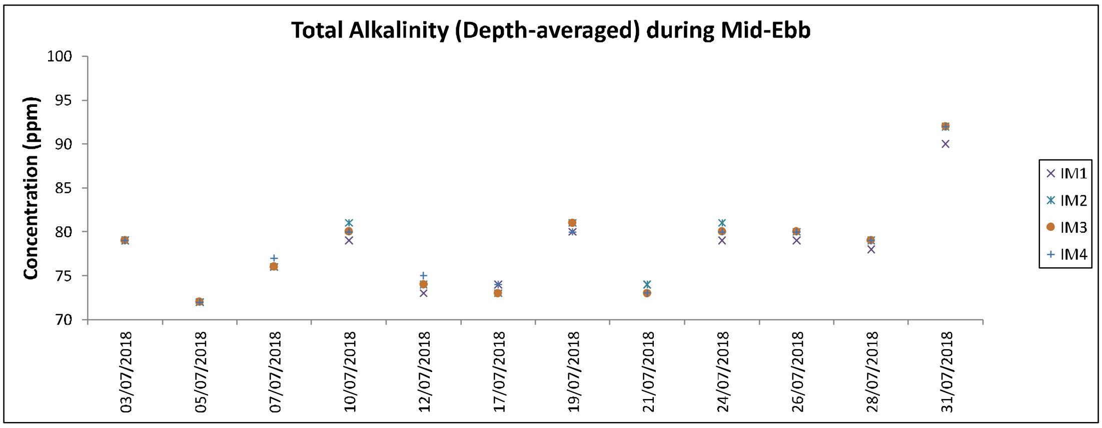


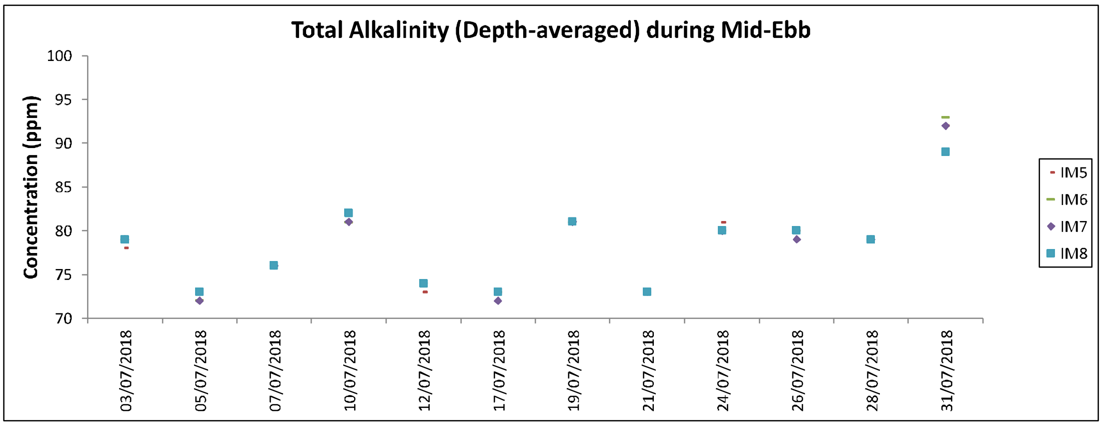


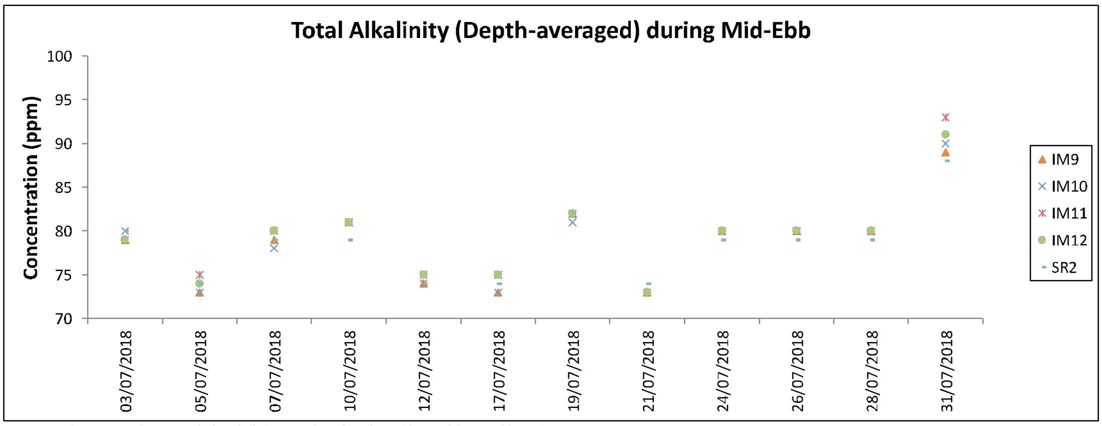


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

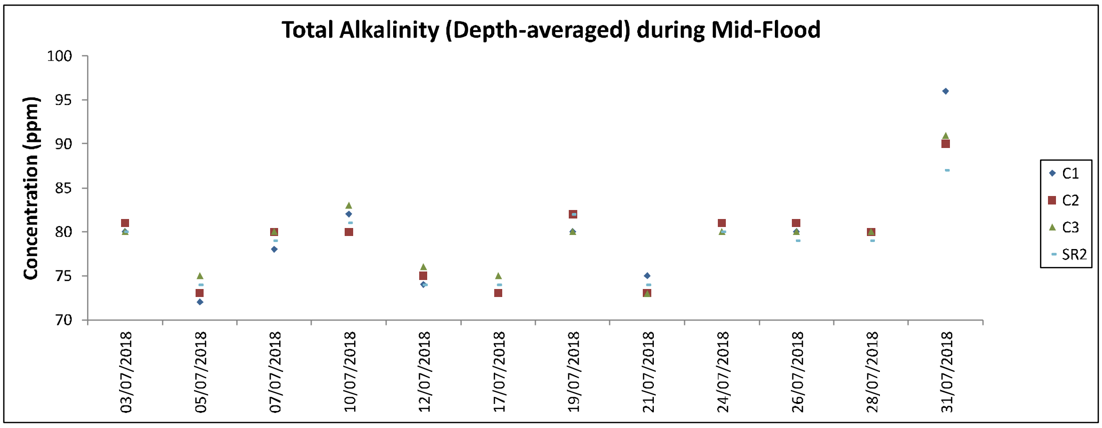


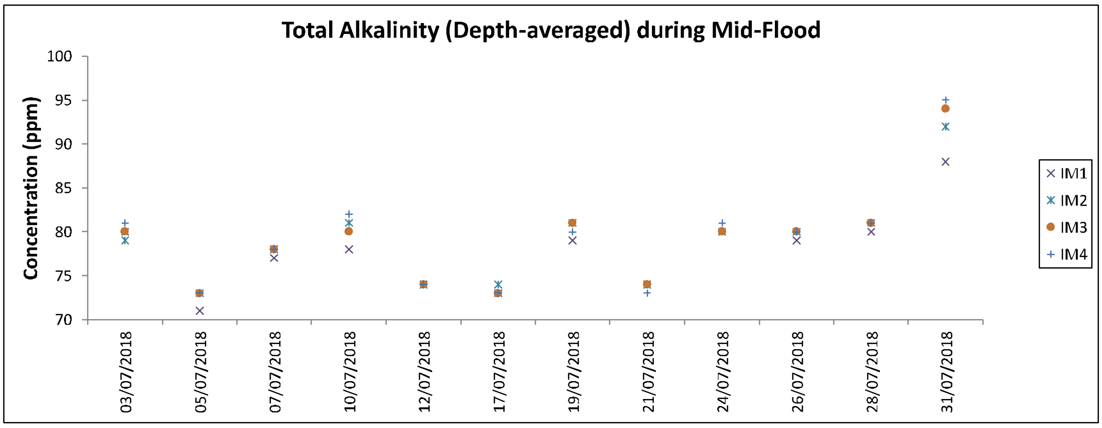


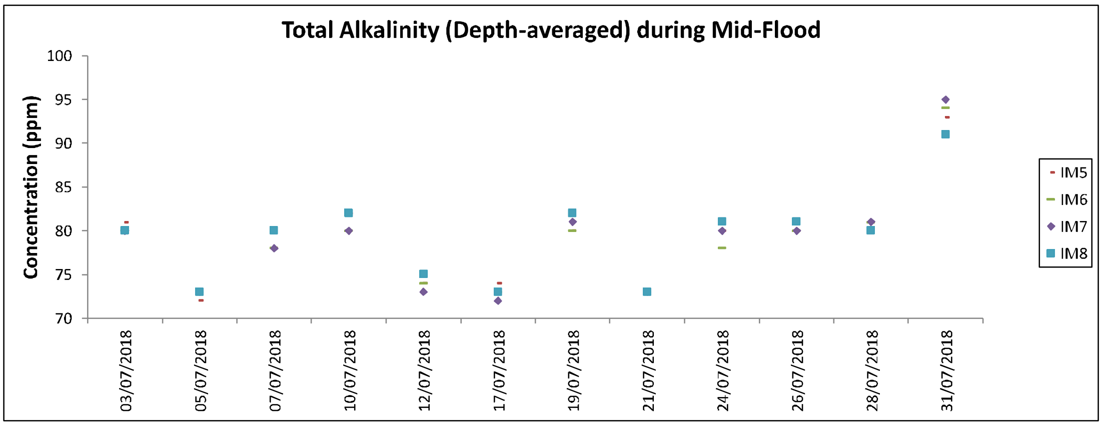


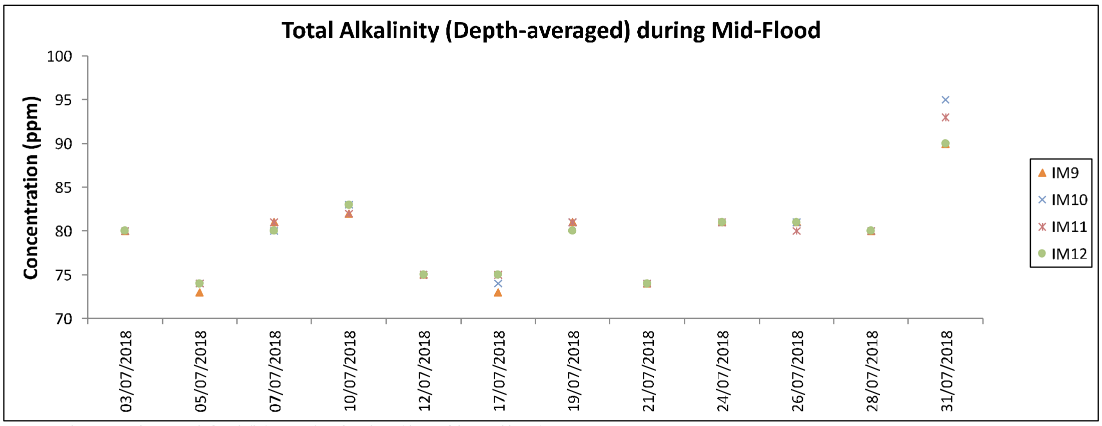


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

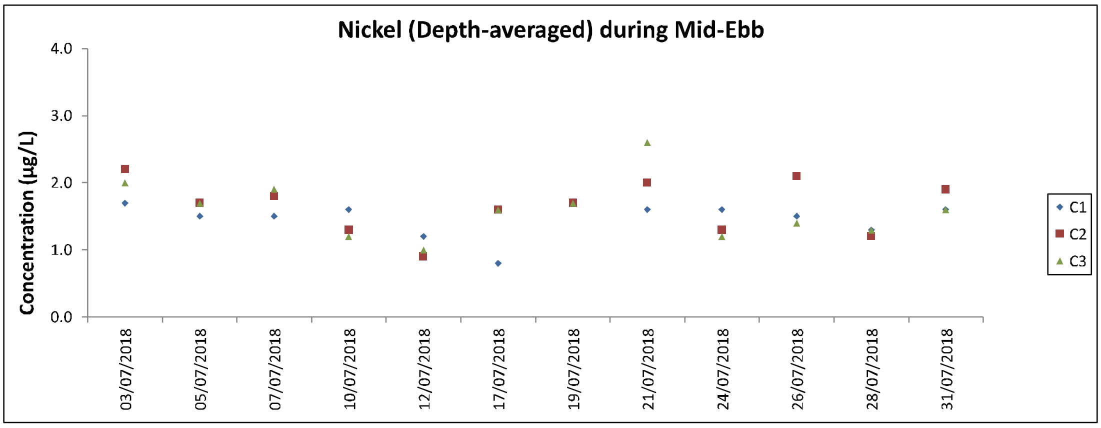


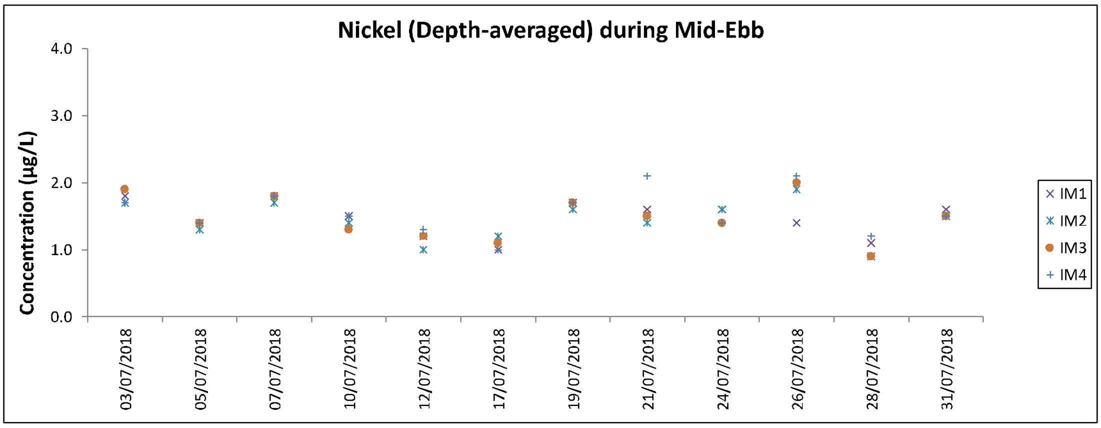


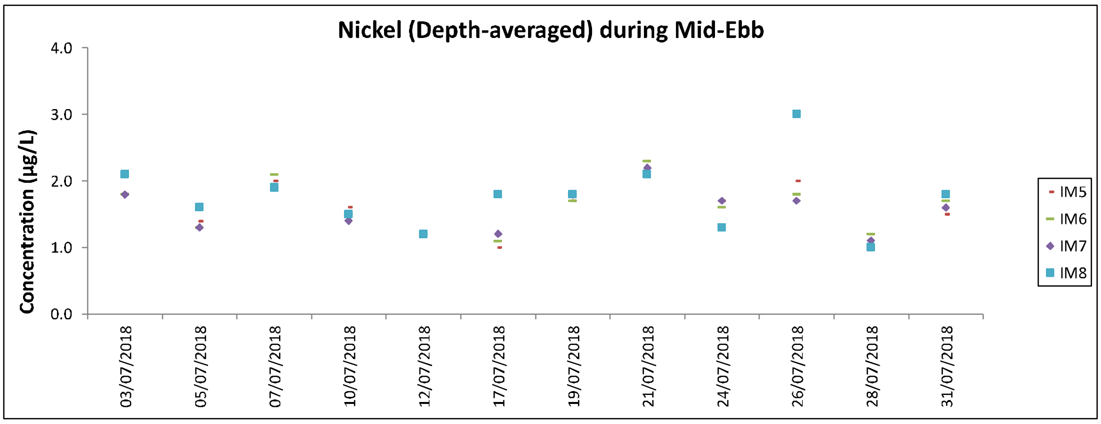


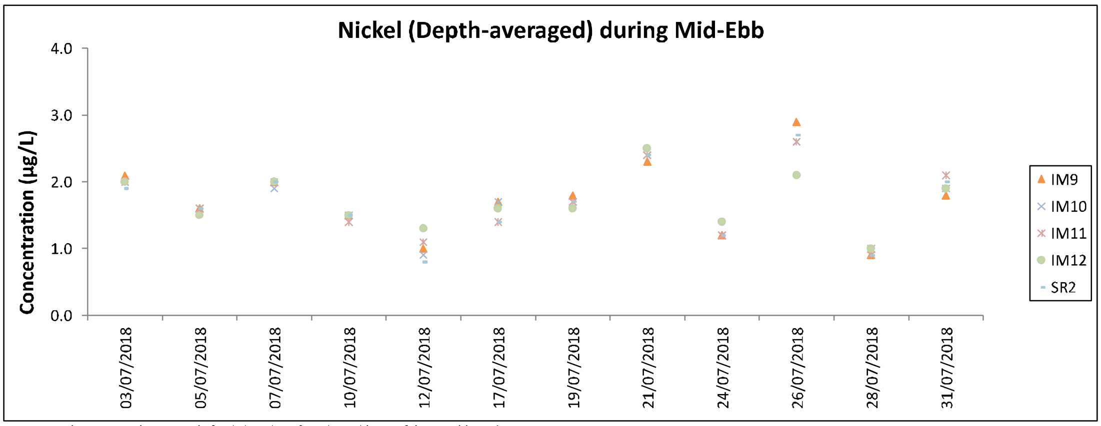


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

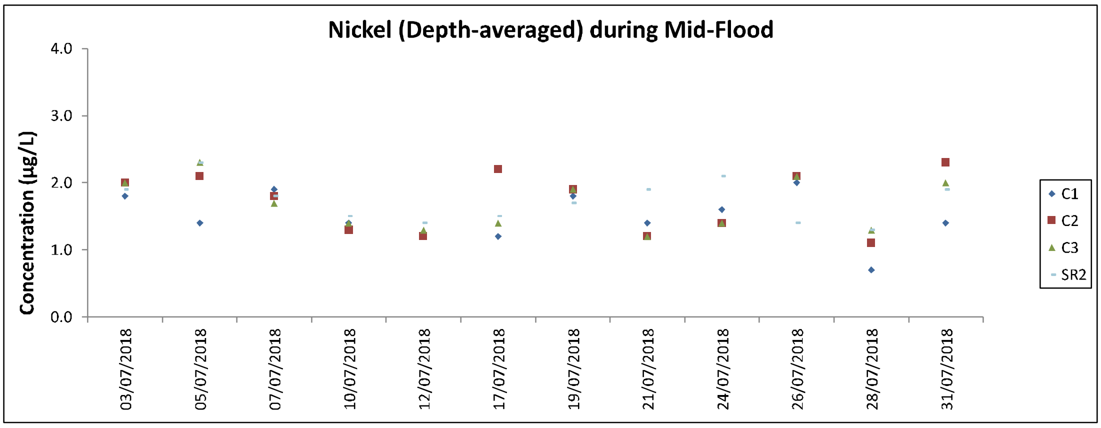


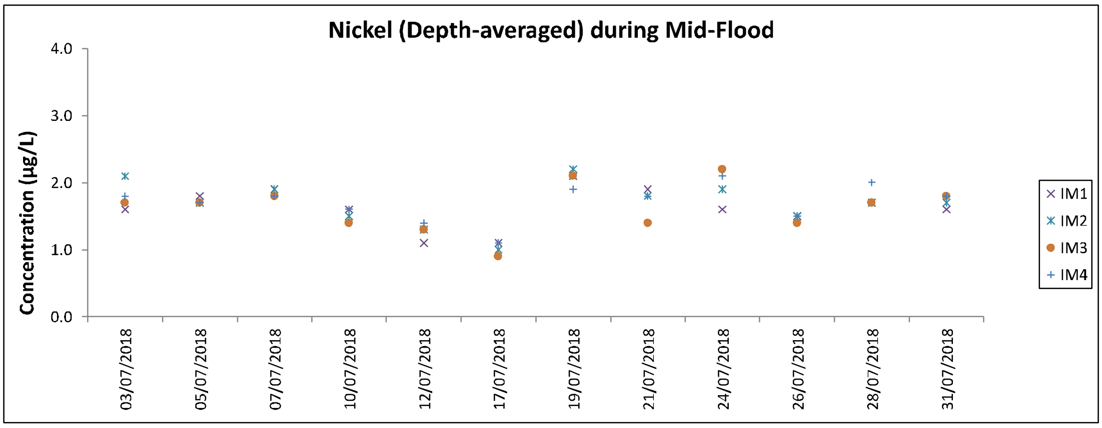


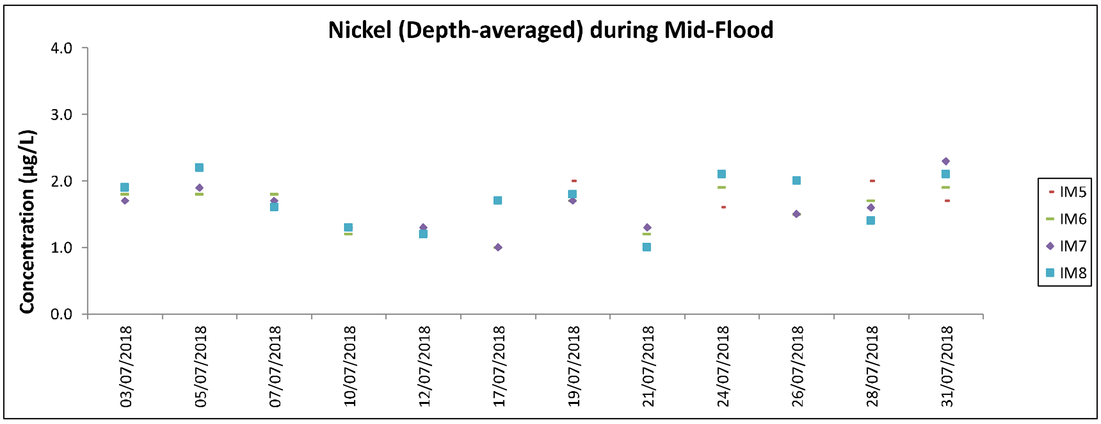


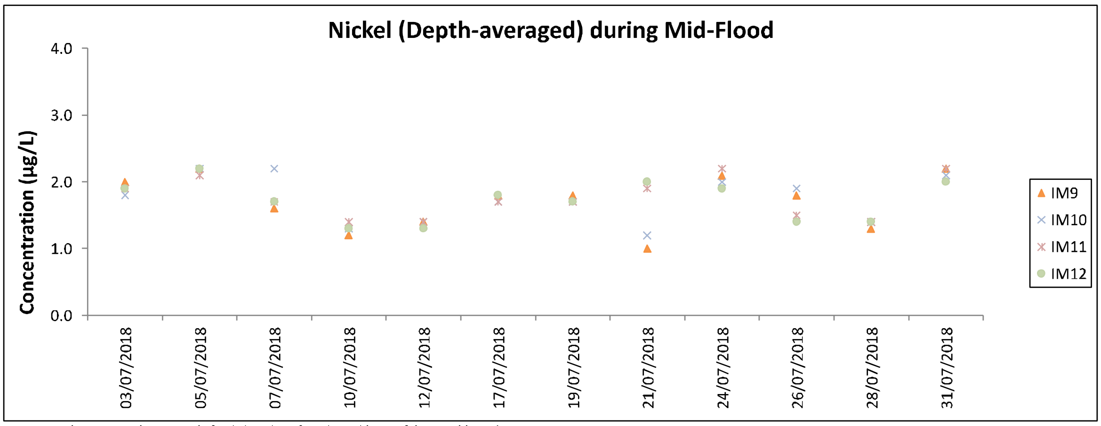


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/L.









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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey **Survey Effort Data**

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
03-May-18	NWL	2	38.810	SPRING	32166	3RS ET	N/A
03-May-18	NWL	3	34.290	SPRING	32166	3RS ET	N/A
03-May-18	NWL	4	2.300	SPRING	32166	3RS ET	N/A
08-May-18	NWL	2	56.994	SPRING	32166	3RS ET	N/A
08-May-18	NWL	3	18.306	SPRING	32166	3RS ET	N/A
09-May-18	AW	3	0.851	SPRING	32166	3RS ET	N/A
09-May-18	AW	4	3.879	SPRING	32166	3RS ET	N/A
09-May-18	WL	2	4.840	SPRING	32166	3RS ET	N/A
09-May-18	WL	3	4.940	SPRING	32166	3RS ET	N/A
09-May-18	WL	4	14.440	SPRING	32166	3RS ET	N/A
09-May-18	WL	5	7.080	SPRING	32166	3RS ET	N/A
14-May-18	SWL	2	30.850	SPRING	32166	3RS ET	N/A
14-May-18	SWL	3	38.892	SPRING	32166	3RS ET	N/A
14-May-18	SWL	4	1.550	SPRING	32166	3RS ET	N/A
16-May-18	AW	2	1.060	SPRING	32166	3RS ET	N/A
16-May-18	AW	3	3.640	SPRING	32166	3RS ET	N/A
16-May-18	WL	2	2.390	SPRING	32166	3RS ET	N/A
16-May-18	WL	3	21.580	SPRING	32166	3RS ET	N/A
16-May-18	WL	4	7.180	SPRING	32166	3RS ET	N/A
23-May-18	SWL	2	37.660	SPRING	32166	3RS ET	N/A
23-May-18	SWL	3	32.490	SPRING	32166	3RS ET	N/A
24-May-18	NEL	2	31.200	SPRING	32166	3RS ET	N/A
24-May-18	NEL	3	15.800	SPRING	32166	3RS ET	N/A
25-May-18	NEL	2	27.700	SPRING	32166	3RS ET	N/A
25-May-18	NEL	3	18.900	SPRING	32166	3RS ET	N/A
25-May-18	NEL	4	1.000	SPRING	32166	3RS ET	N/A
04-Jun-18	NEL	3	25.370	SUMMER	32166	3RS ET	P
04-Jun-18	NEL	4	12.140	SUMMER	32166	3RS ET	P
04-Jun-18	NEL	3	6.690	SUMMER	32166	3RS ET	S
04-Jun-18	NEL	4	3.400	SUMMER	32166	3RS ET	S
19-Jun-18	NWL	3	26.640	SUMMER	32166	3RS ET	P
19-Jun-18	NWL	4	36.150	SUMMER	32166	3RS ET	P
19-Jun-18	NWL	3	8.580	SUMMER	32166	3RS ET	S
19-Jun-18	NWL	4	4.130	SUMMER	32166	3RS ET	S
20-Jun-18	NEL	2	26.500	SUMMER	32166	3RS ET	P
20-Jun-18	NEL	3	9.030	SUMMER	32166	3RS ET	P
20-Jun-18	NEL	4	2.130	SUMMER	32166	3RS ET	P
20-Jun-18	NEL	2	9.000	SUMMER	32166	3RS ET	S
20-Jun-18	NEL	3	0.940	SUMMER	32166	3RS ET	S
21-Jun-18	SWL	2	7.120	SUMMER	32166	3RS ET	P
21-Jun-18	SWL	3	44.051	SUMMER	32166	3RS ET	P
21-Jun-18	SWL	4	3.720	SUMMER	32166	3RS ET	P
21-Jun-18	SWL	2	2.200	SUMMER	32166	3RS ET	S
21-Jun-18	SWL	3	13.730	SUMMER	32166	3RS ET	S
22-Jun-18	NWL	2	13.400	SUMMER	32166	3RS ET	P
22-Jun-18	NWL	3	44.550	SUMMER	32166	3RS ET	P
22-Jun-18	NWL	4	5.060	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
22-Jun-18	NWL	2	5.400	SUMMER	32166	3RS ET	S
22-Jun-18	NWL	3	3.960	SUMMER	32166	3RS ET	S
22-Jun-18	NWL	4	2.790	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	2	7.272	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	3	27.789	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	4	14.840	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	5	5.230	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	2	5.402	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	3	3.810	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	4	4.030	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	5	1.210	SUMMER	32166	3RS ET	S
26-Jun-18	WL	2	4.210	SUMMER	32166	3RS ET	P
26-Jun-18	WL	3	15.962	SUMMER	32166	3RS ET	P
26-Jun-18	WL	3	11.178	SUMMER	32166	3RS ET	S
26-Jun-18	AW	2	2.940	SUMMER	32166	3RS ET	P
26-Jun-18	AW	3	1.900	SUMMER	32166	3RS ET	P
27-Jun-18	AW	2	4.720	SUMMER	32166	3RS ET	P
27-Jun-18	WL	2	4.010	SUMMER	32166	3RS ET	P
27-Jun-18	WL	3	12.576	SUMMER	32166	3RS ET	P
27-Jun-18	WL	4	2.970	SUMMER	32166	3RS ET	P
27-Jun-18	WL	3	8.257	SUMMER	32166	3RS ET	S
27-Jun-18	WL	4	1.967	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	2	4.400	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	3	20.570	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	4	37.860	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	2	1.900	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	3	4.170	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	4	5.600	SUMMER	32166	3RS ET	S
09-Jul-18	NEL	2	7.900	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	3	21.800	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	4	7.500	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	2	2.400	SUMMER	32166	3RS ET	S
09-Jul-18	NEL	3	7.700	SUMMER	32166	3RS ET	S
11-Jul-18	AW	1	2.230	SUMMER	32166	3RS ET	P
11-Jul-18	AW	2	2.610	SUMMER	32166	3RS ET	P
11-Jul-18	WL	1	0.935	SUMMER	32166	3RS ET	P
11-Jul-18	WL	2	5.562	SUMMER	32166	3RS ET	P
11-Jul-18	WL	3	9.521	SUMMER	32166	3RS ET	P
11-Jul-18	WL	4	2.406	SUMMER	32166	3RS ET	P
11-Jul-18	WL	2	3.839	SUMMER	32166	3RS ET	S
11-Jul-18	WL	3	4.997	SUMMER	32166	3RS ET	S
11-Jul-18	WL	4	1.230	SUMMER	32166	3RS ET	S
17-Jul-18	AW	2	4.530	SUMMER	32166	3RS ET	P
17-Jul-18	WL	1	1.730	SUMMER	32166	3RS ET	P
17-Jul-18	WL	2	9.190	SUMMER	32166	3RS ET	P
17-Jul-18	WL	3	6.564	SUMMER	32166	3RS ET	P
17-Jul-18	WL	4	0.430	SUMMER	32166	3RS ET	P
17-Jul-18	WL	1	1.070	SUMMER	32166	3RS ET	S
17-Jul-18	WL	2	5.640	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
17-Jul-18	WL	3	4.746	SUMMER	32166	3RS ET	S
19-Jul-18	NEL	2	20.870	SUMMER	32166	3RS ET	P
19-Jul-18	NEL	3	16.680	SUMMER	32166	3RS ET	P
19-Jul-18	NEL	2	8.630	SUMMER	32166	3RS ET	S
19-Jul-18	NEL	3	1.050	SUMMER	32166	3RS ET	S
20-Jul-18	NWL	1	9.440	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	2	19.567	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	3	33.930	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	2	3.400	SUMMER	32166	3RS ET	S
20-Jul-18	NWL	3	8.660	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	2	32.460	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	3	22.153	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	4	0.487	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	2	8.040	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	3	6.770	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	4	0.580	SUMMER	32166	3RS ET	S
30-Jul-18	SWL	2	37.816	SUMMER	32166	3RS ET	P
30-Jul-18	SWL	3	17.730	SUMMER	32166	3RS ET	P
30-Jul-18	SWL	2	12.124	SUMMER	32166	3RS ET	S
30-Jul-18	SWL	3	3.490	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. May and June 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
03-May-18	1	1131	CWD	2	NWL	3	35	ON	3RS ET	22.3558	113.8781	SPRING	NONE	N/A
14-May-18	1	1057	CWD	2	SWL	2	151	ON	3RS ET	22.1972	113.8588	SPRING	NONE	N/A
14-May-18	2	1115	CWD	5	SWL	2	121	ON	3RS ET	22.1994	113.8690	SPRING	NONE	N/A
14-May-18	3	1139	CWD	1	SWL	2	4	ON	3RS ET	22.1953	113.8689	SPRING	NONE	N/A
14-May-18	4	1250	CWD	1	SWL	3	191	ON	3RS ET	22.1881	113.8882	SPRING	NONE	N/A
14-May-18	5	1537	FP	6	SWL	3	21	ON	3RS ET	22.1652	113.9273	SPRING	NONE	N/A
14-May-18	6	1602	FP	3	SWL	3	116	ON	3RS ET	22.1439	113.9274	SPRING	NONE	N/A
14-May-18	7	1610	FP	1	SWL	3	16	ON	3RS ET	22.1462	113.9327	SPRING	NONE	N/A
14-May-18	8	1622	FP	3	SWL	3	509	ON	3RS ET	22.1633	113.9366	SPRING	NONE	N/A
16-May-18	1	1036	CWD	1	WL	3	225	ON	3RS ET	22.2655	113.8581	SPRING	NONE	N/A
16-May-18	2	1059	CWD	2	WL	3	122	ON	3RS ET	22.2573	113.8370	SPRING	NONE	N/A
23-May-18	1	1039	FP	2	SWL	3	15	ON	3RS ET	22.1684	113.9365	SPRING	NONE	N/A
23-May-18	2	1046	FP	2	SWL	3	37	ON	3RS ET	22.1651	113.9361	SPRING	NONE	N/A
23-May-18	3	1110	FP	3	SWL	3	182	ON	3RS ET	22.1618	113.9279	SPRING	NONE	N/A
23-May-18	4	1138	CWD	5	SWL	2	1155	ON	3RS ET	22.1989	113.9180	SPRING	NONE	N/A
23-May-18	5	1238	FP	4	SWL	3	17	ON	3RS ET	22.1411	113.9136	SPRING	NONE	N/A
21-Jun-18	1	1054	CWD	1	SWL	3	51	ON	3RS ET	22.1914	113.8491	SUMMER	NONE	P
21-Jun-18	2	1219	CWD	3	SWL	3	21	ON	3RS ET	22.2040	113.8781	SUMMER	NONE	P
21-Jun-18	3	1331	CWD	6	SWL	3	11	ON	3RS ET	22.1907	113.8973	SUMMER	NONE	P
21-Jun-18	4	1606	FP	3	SWL	3	24	ON	3RS ET	22.1653	113.9368	SUMMER	NONE	P
25-Jun-18	1	1059	CWD	1	SWL	4	138	ON	3RS ET	22.1822	113.8686	SUMMER	NONE	P
25-Jun-18	2	1308	CWD	4	SWL	3	119	ON	3RS ET	22.1934	113.9080	SUMMER	NONE	P
25-Jun-18	3	1332	CWD	8	SWL	3	32	ON	3RS ET	22.1945	113.9083	SUMMER	NONE	P
25-Jun-18	4	1356	CWD	1	SWL	3	129	ON	3RS ET	22.1780	113.9054	SUMMER	NONE	S
25-Jun-18	5	1456	CWD	4	SWL	2	6	ON	3RS ET	22.1805	113.9218	SUMMER	NONE	S
25-Jun-18	6	1519	CWD	7	SWL	2	29	ON	3RS ET	22.1867	113.9181	SUMMER	NONE	P
26-Jun-18	1	1137	CWD	1	WL	3	33	ON	3RS ET	22.2154	113.8192	SUMMER	NONE	P
27-Jun-18	1	1049	CWD	2	WL	3	51	ON	3RS ET	22.2524	113.8341	SUMMER	NONE	S
27-Jun-18	2	1106	CWD	3	WL	3	188	ON	3RS ET	22.2497	113.8406	SUMMER	NONE	P
27-Jun-18	3	1141	CWD	2	WL	3	27	ON	3RS ET	22.2331	113.8236	SUMMER	NONE	S
27-Jun-18	4	1200	CWD	5	WL	3	30	ON	3RS ET	22.2318	113.8390	SUMMER	NONE	P
27-Jun-18	5	1226	CWD	1	WL	3	122	ON	3RS ET	22.2237	113.8249	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
27-Jun-18	6	1234	CWD	12	WL	3	38	ON	3RS ET	22.2166	113.8199	SUMMER	NONE	S
27-Jun-18	7	1309	CWD	2	WL	3	145	ON	3RS ET	22.2141	113.8319	SUMMER	NONE	P
27-Jun-18	8	1341	CWD	2	WL	4	165	ON	3RS ET	22.1938	113.8425	SUMMER	NONE	S
11-Jul-18	1	1007	CWD	2	WL	2	569	ON	3RS ET	22.2873	113.8608	SUMMER	NONE	P
11-Jul-18	2	1027	CWD	1	WL	2	151	ON	3RS ET	22.2731	113.8471	SUMMER	NONE	S
11-Jul-18	3	1045	CWD	1	WL	2	247	ON	3RS ET	22.2692	113.8602	SUMMER	NONE	P
11-Jul-18	4	1108	CWD	1	WL	3	470	ON	3RS ET	22.2601	113.8498	SUMMER	NONE	P
11-Jul-18	5	1212	CWD	1	WL	3	303	ON	3RS ET	22.2232	113.8315	SUMMER	NONE	P
11-Jul-18	6	1237	CWD	3	WL	3	201	ON	3RS ET	22.2132	113.8211	SUMMER	NONE	P
11-Jul-18	7	1308	CWD	12	WL	3	159	ON	3RS ET	22.2050	113.8345	SUMMER	NONE	P
11-Jul-18	8	1403	CWD	10	WL	3	163	ON	3RS ET	22.1950	113.8422	SUMMER	NONE	S
17-Jul-18	1	1033	CWD	3	WL	2	696	ON	3RS ET	22.2607	113.8455	SUMMER	NONE	P
17-Jul-18	2	1100	CWD	1	WL	2	83	ON	3RS ET	22.2504	113.8371	SUMMER	NONE	P
17-Jul-18	3	1122	CWD	3	WL	3	501	ON	3RS ET	22.2415	113.8447	SUMMER	NONE	P
17-Jul-18	4	1201	CWD	1	WL	3	90	ON	3RS ET	22.2148	113.8195	SUMMER	NONE	S
17-Jul-18	5	1232	CWD	3	WL	3	46	ON	3RS ET	22.2009	113.8247	SUMMER	NONE	S
20-Jul-18	1	1040	CWD	1	NWL	3	680	ON	3RS ET	22.2720	113.8702	SUMMER	NONE	P
20-Jul-18	2	1233	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3495	113.8832	SUMMER	NONE	P
20-Jul-18	3	1251	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3446	113.8860	SUMMER	NONE	P
26-Jul-18	1	1152	CWD	2	SWL	2	30	ON	3RS ET	22.1924	113.8878	SUMMER	NONE	P
26-Jul-18	2	1255	CWD	1	SWL	2	28	ON	3RS ET	22.1821	113.8982	SUMMER	NONE	P
26-Jul-18	3	1412	FP	2	SWL	3	52	ON	3RS ET	22.1540	113.9177	SUMMER	NONE	P
30-Jul-18	1	1244	CWD	1	SWL	3	252	ON	3RS ET	22.1949	113.8973	SUMMER	NONE	P
30-Jul-18	2	1317	CWD	2	SWL	2	85	ON	3RS ET	22.1986	113.9080	SUMMER	NONE	P
30-Jul-18	3	1345	CWD	3	SWL	3	401	ON	3RS ET	22.1717	113.9079	SUMMER	NONE	P
30-Jul-18	4	1611	CWD	3	SWL	2	219	ON	3RS ET	22.2085	113.9363	SUMMER	NONE	P

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin 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. May and June 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 July 2018 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 396.814 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 20 on-effort sightings and total number of 55 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in July 2018 are shown as below:

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

$$STG = \frac{20}{396.814} x\ 100 = 5.04$$

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

$$ANI = \frac{55}{396.814} x\ 100 = 13.86$$

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

A total of 1175.194 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 44 on-effort sightings and total number of 136 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)

$$STG = \frac{44}{1175.194} x\ 100 = 3.74$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{136}{1175.194} x\ 100 = 11.57$$

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


NLMM016_20180711_2_2


WLMM081_20180711_3_4


WLMM051_20180711_4_2


WLMM071_20180711_6_15


WLMM075_20180711_6_3


NLMM023_20180711_7_4


NLMM043_20180711_7_1


SLMM003_20180711_7_11


SLMM064_20180711_7_1


WLMM004_20180711_7_2


WLMM020_20180711_7_1


WLMM048_20180711_7_2


WLMM063_20180711_7_4


WLMM085_20180711_7_1


WLMM107_20180711_7_4


WLMM116_20180711_7_8

	
WLMM117_20180711_7_2_Lower	WLMM001_20180711_8_2
	
WLMM005_20180711_8_6	WLMM048_20180711_8_1
	
WLMM060_20180711_8_1	WLMM062_20180711_8_1
	
WLMM071_20180711_8_3	WLMM116_20180711_8_1

	
WLMM053_20180717_1_17	WLMM103_20180717_1_6
	
WLMM006_20180717_3_8	WLMM009_20180717_3_8
	
SLMM027_20180717_5_3_Lower	WLMM118_20180717_5_9
	
WLMM115_20180720_1_7	NLMM006_20180720_2_1

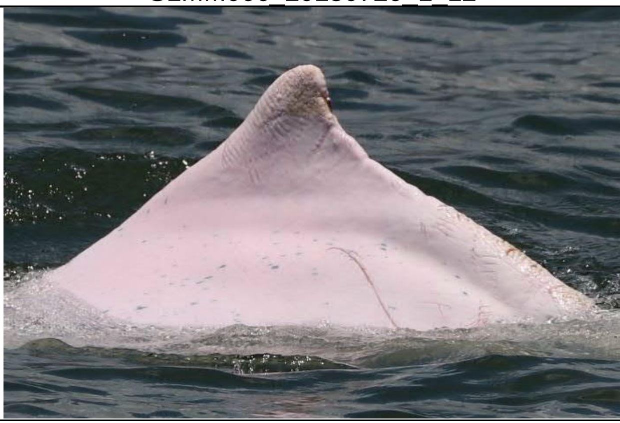
NLMM013_20180720_2_3

NLMM006_20180720_3_3

NLMM013_20180720_3_1_Top

SLMM066_20180726_1_12

WLMM027_20180730_2_10



WLMM116_20180730_2_5

SLMM019_20180730_3_17

SLMM028_20180730_3_2

	
NLMM059_20180730_4_2	WLMM027_20180730_4_1
	
WLMM116_20180730_4_3	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
11/Jul/18	Lung Kwu Chau	8:51	14:51	6:00	2	2-3	2	1-3
12/Jul/18	Lung Kwu Chau	8:50	14:50	6:00	2-3	2	3	2-3
19/Jul/18	Sha Chau	8:55	14:55	6:00	2-4	2	0	N/A
20/Jul/18	Lung Kwu Chau	8:45	14:45	6:00	2-3	2-3	6	1-2
26/Jul/18	Sha Chau	8:34	14:34	6:00	2-3	2	0	N/A

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