Appendix C. Monitoring Results

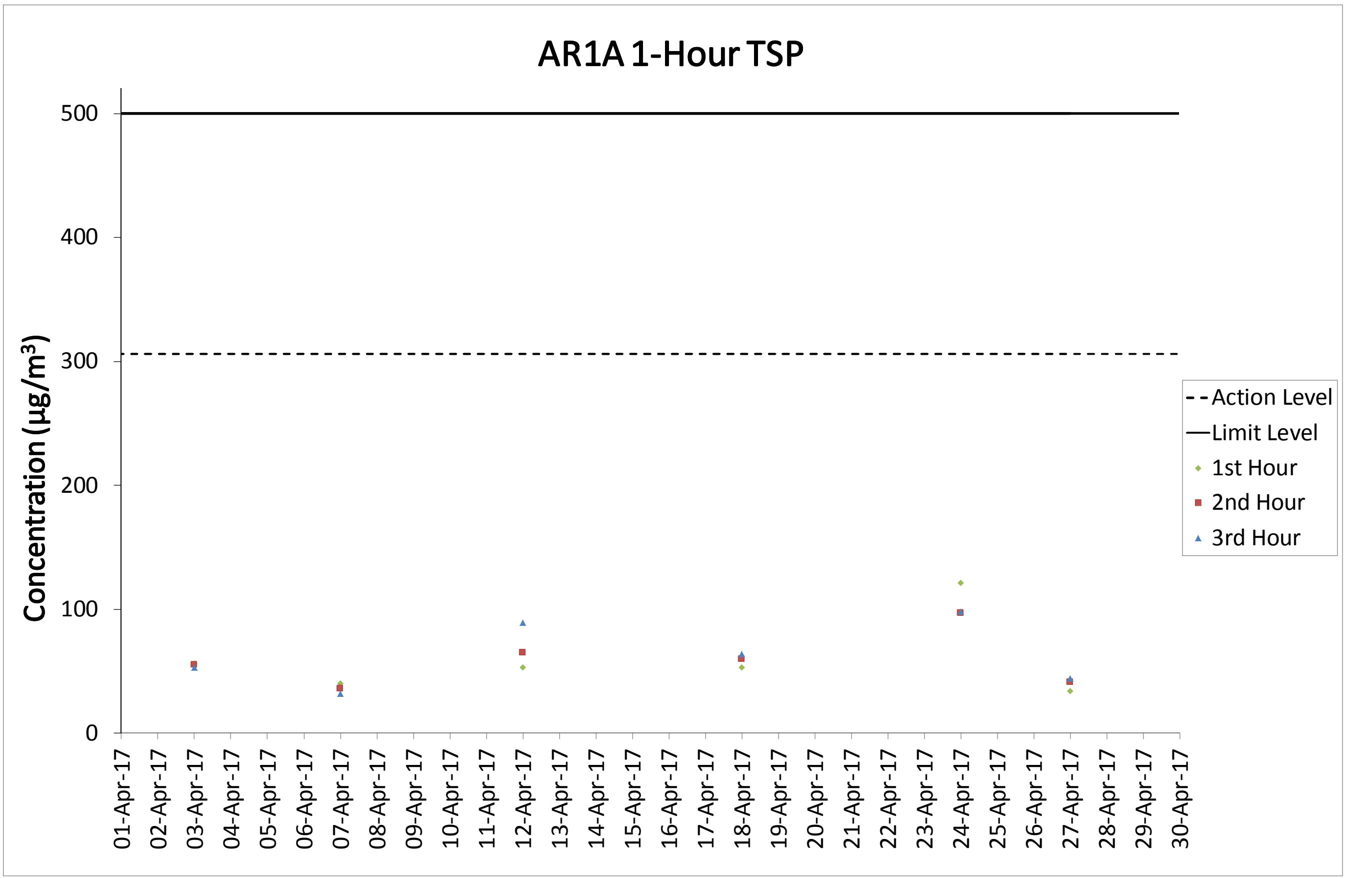
Air Quality Monitoring Results

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

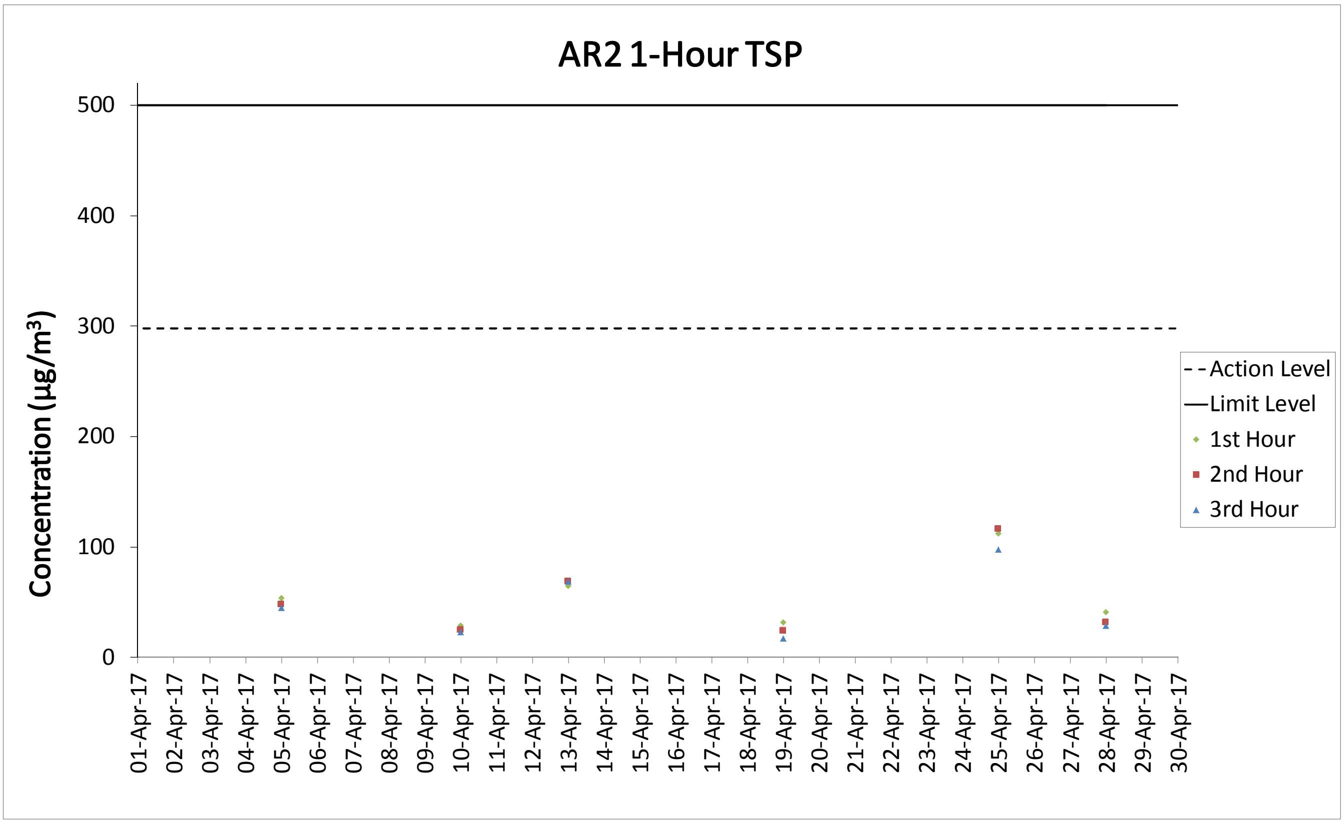
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (µg/m^3)	Action Level (µg/m^3)	Limit Level (µg/m^3)
03-Apr-17	14:05	Fine	6.6	109	56	306	500
03-Apr-17	15:05	Fine	8.0	108	55	306	500
03-Apr-17	16:05	Fine	8.0	101	53	306	500
07-Apr-17	13:30	Fine	2.6	282	40	306	500
07-Apr-17	14:30	Fine	2.3	357	36	306	500
07-Apr-17	15:30	Fine	2.6	356	32	306	500
12-Apr-17	14:30	Cloudy	9	307	53	306	500
12-Apr-17	15:30	Cloudy	7.9	354	65	306	500
12-Apr-17	16:30	Cloudy	7.7	86	89	306	500
18-Apr-17	13:45	Sunny	3	278	53	306	500
18-Apr-17	14:45	Sunny	4.7	264	60	306	500
18-Apr-17	15:45	Sunny	5.1	262	64	306	500
24-Apr-17	14:00	Cloudy	7.1	94	121	306	500
24-Apr-17	15:00	Cloudy	6.4	92	97	306	500
24-Apr-17	16:00	Cloudy	6.2	94	98	306	500
27-Apr-17	13:15	Cloudy	6.1	2	34	306	500
27-Apr-17	14:15	Cloudy	4.0	11	41	306	500
27-Apr-17	15:15	Cloudy	4.1	5	44	306	500

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (µg/m^3)	Action Level (µg/m^3)	Limit Level (µg/m^3)
05-Apr-17	08:56	Fine	4.8	85	54	298	500
05-Apr-17	09:56	Fine	4.8	83	48	298	500
05-Apr-17	10:56	Fine	3.4	236	45	298	500
10-Apr-17	08:52	Sunny	6.6	200	29	298	500
10-Apr-17	09:52	Sunny	8.2	194	25	298	500
10-Apr-17	10:52	Sunny	8.1	191	23	298	500
13-Apr-17	09:09	Cloudy	3.1	41	65	298	500
13-Apr-17	10:09	Cloudy	2.4	34	69	298	500
13-Apr-17	11:09	Cloudy	2.8	27	69	298	500
19-Apr-17	08:55	Sunny	4.8	222	32	298	500
19-Apr-17	09:55	Sunny	7.3	247	24	298	500
19-Apr-17	10:55	Sunny	7.2	243	17	298	500
25-Apr-17	09:00	Cloudy	7.7	96	112	298	500
25-Apr-17	10:00	Cloudy	8.1	88	116	298	500
25-Apr-17	11:00	Cloudy	5.8	76	98	298	500
28-Apr-17	09:00	Sunny	3.6	47	41	298	500
28-Apr-17	10:00	Sunny	2.4	63	32	298	500
28-Apr-17	11:00	Sunny	2.2	354	29	298	500



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



AR2 1-Hour TSP
Concentration (µg/m³)
500
400
300
200
100
0
01-Apr-17
02-Apr-17
03-Apr-17
04-Apr-17
05-Apr-17
06-Apr-17
07-Apr-17
08-Apr-17
09-Apr-17
10-Apr-17
11-Apr-17
12-Apr-17
13-Apr-17
14-Apr-17
15-Apr-17
16-Apr-17
17-Apr-17
18-Apr-17
19-Apr-17
20-Apr-17
21-Apr-17
22-Apr-17
23-Apr-17
24-Apr-17
25-Apr-17
26-Apr-17
27-Apr-17
28-Apr-17
29-Apr-17
30-Apr-17
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour

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-Apr-17	Fine	14:15	71.0	53.5	71
03-Apr-17	Fine	14:20	71.5	54.5	
03-Apr-17	Fine	14:25	69.5	54.0	
03-Apr-17	Fine	14:30	72.5	55.5	
03-Apr-17	Fine	14:35	71.5	55.5	
03-Apr-17	Fine	14:40	73.0	56.0	
12-Apr-17	Cloudy	14:50	72.0	57.0	71
12-Apr-17	Cloudy	14:55	70.5	55.0	
12-Apr-17	Cloudy	15:00	69.5	54.5	
12-Apr-17	Cloudy	15:05	71.5	56.0	
12-Apr-17	Cloudy	15:10	73.0	56.5	
12-Apr-17	Cloudy	15:15	70.5	56.5	
18-Apr-17	Sunny	14:08	73.0	54.5	72
18-Apr-17	Sunny	14:13	72.5	55.0	
18-Apr-17	Sunny	14:18	74.0	55.5	
18-Apr-17	Sunny	14:23	71.0	56.0	
18-Apr-17	Sunny	14:28	71.0	55.0	
18-Apr-17	Sunny	14:33	71.5	55.5	
24-Apr-17	Cloudy	15:40	74.5	58.5	72
24-Apr-17	Cloudy	15:45	74.0	55.0	
24-Apr-17	Cloudy	15:50	71.5	55.5	
24-Apr-17	Cloudy	15:55	72.5	55.5	
24-Apr-17	Cloudy	16:00	72.5	55.0	
24-Apr-17	Cloudy	16:05	72.0	56.0	

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)
05-Apr-17	Fine	14:23	67.5	58.5	57
05-Apr-17	Fine	14:28	68.5	58.0	
05-Apr-17	Fine	14:33	68.5	57.5	
05-Apr-17	Fine	14:38	69.0	59.0	
05-Apr-17	Fine	14:43	67.0	58.0	
05-Apr-17	Fine	14:48	65.5	59.5	
10-Apr-17	Fine	13:15	61.5	59.0	61
10-Apr-17	Fine	13:20	62.0	59.0	
10-Apr-17	Fine	13:25	61.5	59.0	
10-Apr-17	Fine	13:30	62.5	59.0	
10-Apr-17	Fine	13:35	63.5	59.0	
10-Apr-17	Fine	13:40	62.5	59.0	
19-Apr-17	Sunny	14:10	61.0	59.5	60
19-Apr-17	Sunny	14:15	60.5	58.5	
19-Apr-17	Sunny	14:20	61.0	59.5	
19-Apr-17	Sunny	14:25	60.0	59.0	
19-Apr-17	Sunny	14:30	61.0	59.5	
19-Apr-17	Sunny	14:35	62.0	59.5	
28-Apr-17	Sunny	15:20	64.0	60.0	62
28-Apr-17	Sunny	15:25	63.0	59.0	
28-Apr-17	Sunny	15:30	63.0	59.0	
28-Apr-17	Sunny	15:35	65.0	60.0	
28-Apr-17	Sunny	15:40	59.5	58.5	
28-Apr-17	Sunny	15:45	63.5	58.5	

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Apr-17	Fine	13:20	67.0	60.0	66
03-Apr-17	Fine	13:25	63.0	59.0	
03-Apr-17	Fine	13:30	65.5	59.0	
03-Apr-17	Fine	13:35	64.0	59.0	
03-Apr-17	Fine	13:40	65.0	61.0	
03-Apr-17	Fine	13:45	64.0	58.5	
12-Apr-17	Cloudy	13:45	64.5	59.5	65
12-Apr-17	Cloudy	13:50	62.5	59.5	
12-Apr-17	Cloudy	13:55	63.5	58.5	
12-Apr-17	Cloudy	14:00	63.0	58.5	
12-Apr-17	Cloudy	14:05	62.5	59.0	
12-Apr-17	Cloudy	14:10	63.0	59.5	
18-Apr-17	Fine	10:58	62.0	56.5	63
18-Apr-17	Fine	11:03	62.5	56.5	
18-Apr-17	Fine	11:08	61.5	56.5	
18-Apr-17	Fine	11:13	62.0	57.0	
18-Apr-17	Fine	11:18	62.0	58.0	
18-Apr-17	Fine	11:23	61.5	58.0	
24-Apr-17	Cloudy	10:57	67.5	61.5	64
24-Apr-17	Cloudy	11:02	64.5	60.5	
24-Apr-17	Cloudy	11:07	66.5	61.5	
24-Apr-17	Cloudy	11:12	67.0	61.5	
24-Apr-17	Cloudy	11:17	69.0	60.0	
24-Apr-17	Cloudy	11:22	65.0	60.5	

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

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

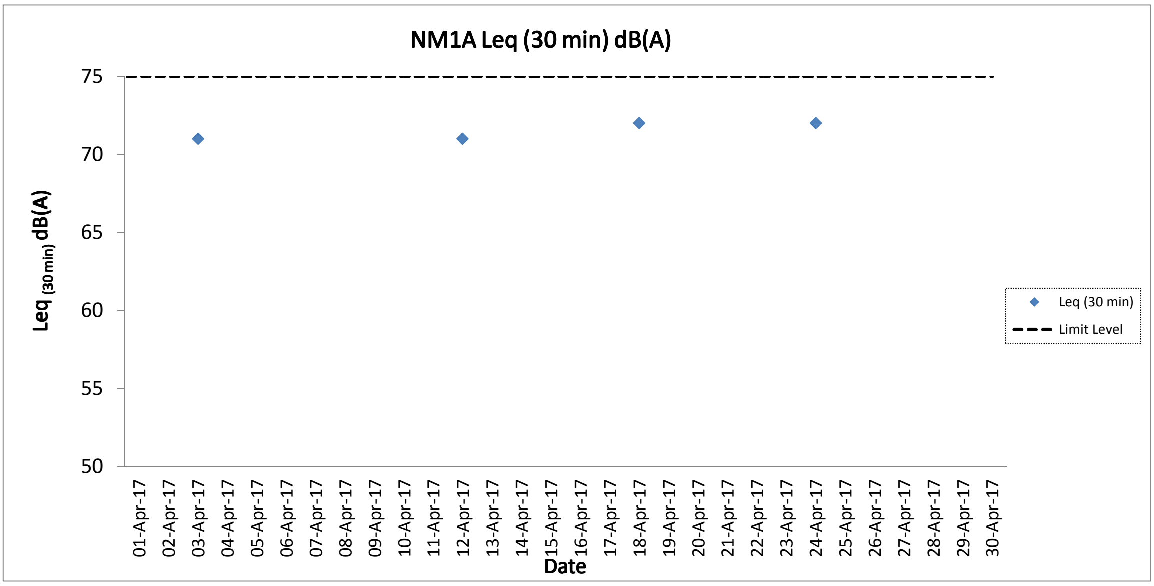
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
05-Apr-17	Fine	09:32	59.5	51.5	53
05-Apr-17	Fine	09:37	58.5	50.0	
05-Apr-17	Fine	09:42	60.0	50.0	
05-Apr-17	Fine	09:47	58.0	49.0	
05-Apr-17	Fine	09:52	61.5	48.5	
05-Apr-17	Fine	09:57	59.0	47.5	
10-Apr-17	Sunny	09:35	56.0	50.0	53
10-Apr-17	Sunny	09:40	56.0	49.5	
10-Apr-17	Sunny	09:45	58.5	49.5	
10-Apr-17	Sunny	09:50	57.0	49.5	
10-Apr-17	Sunny	09:55	61.5	51.0	
10-Apr-17	Sunny	10:00	57.5	49.5	
19-Apr-17	Sunny	09:32	58.5	50.5	57
19-Apr-17	Sunny	09:37	58.0	50.5	
19-Apr-17	Sunny	09:42	57.5	50.5	
19-Apr-17	Sunny	09:47	55.5	48.0	
19-Apr-17	Sunny	09:52	55.0	47.5	
19-Apr-17	Sunny	09:57	54.0	48.0	
25-Apr-17	Cloudy	09:50	56.5	49.5	59
25-Apr-17	Cloudy	09:55	61.5	50.0	
25-Apr-17	Cloudy	10:00	59.0	49.0	
25-Apr-17	Cloudy	10:05	58.5	47.0	
25-Apr-17	Cloudy	10:10	57.0	46.5	
25-Apr-17	Cloudy	10:15	60.5	47.0	

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Apr-17	Cloudy	09:41	69.0	58.5	67
06-Apr-17	Cloudy	09:46	69.0	53.0	
06-Apr-17	Cloudy	09:51	67.0	55.0	
06-Apr-17	Cloudy	09:56	66.0	51.5	
06-Apr-17	Cloudy	10:01	67.5	51.5	
06-Apr-17	Cloudy	10:06	66.5	52.5	
11-Apr-17	Cloudy	09:37	69.0	53.0	62
11-Apr-17	Cloudy	09:42	70.0	56.5	
11-Apr-17	Cloudy	09:47	72.0	57.0	
11-Apr-17	Cloudy	09:52	70.0	56.5	
11-Apr-17	Cloudy	09:57	69.5	55.0	
11-Apr-17	Cloudy	10:02	67.0	54.5	
18-Apr-17	Fine	09:41	76.5	55.5	73
18-Apr-17	Fine	09:46	78.0	57.0	
18-Apr-17	Fine	09:51	74.5	54.0	
18-Apr-17	Fine	09:56	77.5	52.5	
18-Apr-17	Fine	10:01	75.0	51.5	
18-Apr-17	Fine	10:06	74.5	52.0	
24-Apr-17	Cloudy	09:38	71.0	56.0	68
24-Apr-17	Cloudy	09:43	74.0	60.0	
24-Apr-17	Cloudy	09:48	70.0	59.5	
24-Apr-17	Cloudy	09:53	72.0	54.0	
24-Apr-17	Cloudy	09:58	72.0	55.5	
24-Apr-17	Cloudy	10:03	70.0	55.0	

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


NM1A Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
01-Apr-17
02-Apr-17
03-Apr-17
04-Apr-17
05-Apr-17
06-Apr-17
07-Apr-17
08-Apr-17
09-Apr-17
10-Apr-17
11-Apr-17
12-Apr-17
13-Apr-17
14-Apr-17
15-Apr-17
16-Apr-17
17-Apr-17
18-Apr-17
19-Apr-17
20-Apr-17
21-Apr-17
22-Apr-17
23-Apr-17
24-Apr-17
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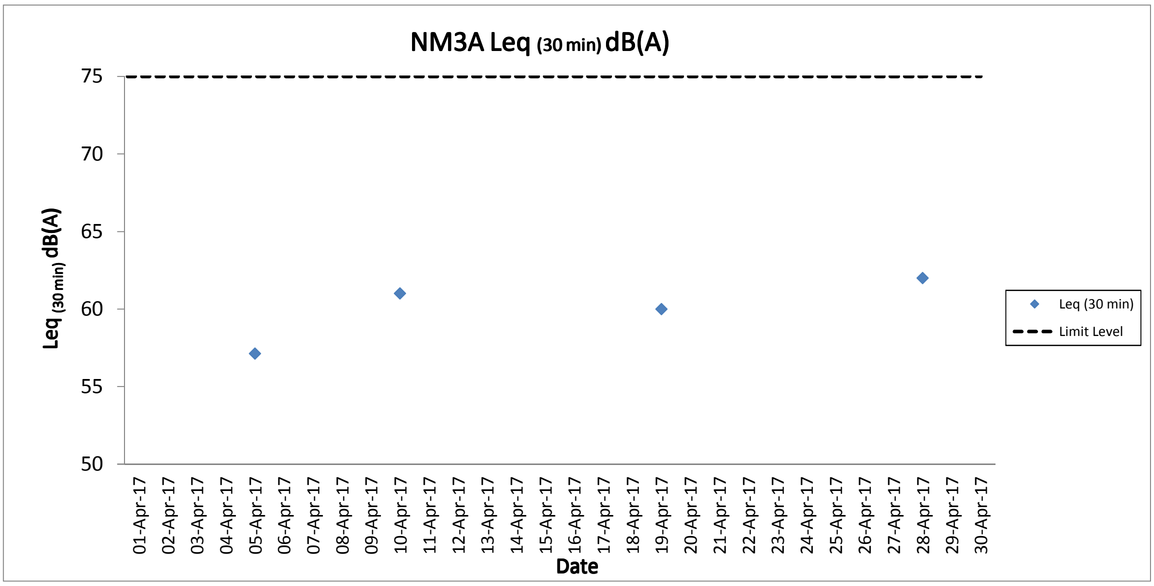
28-Apr-17
29-Apr-17
30-Apr-17
Date
Leq (30 min)
Limit Level


NM3A Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
01-Apr-17
02-Apr-17
03-Apr-17
04-Apr-17
05-Apr-17
06-Apr-17
07-Apr-17
08-Apr-17
09-Apr-17
10-Apr-17
11-Apr-17
12-Apr-17
13-Apr-17
14-Apr-17
15-Apr-17
16-Apr-17
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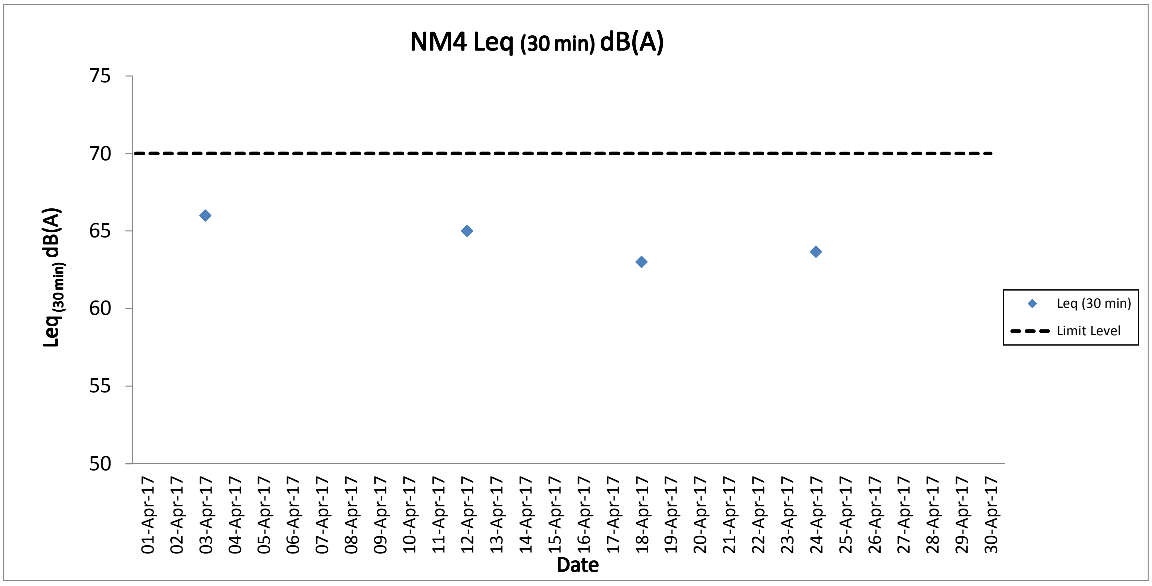
18-Apr-17
19-Apr-17
20-Apr-17
21-Apr-17
22-Apr-17
23-Apr-17
24-Apr-17
25-Apr-17
26-Apr-17
27-Apr-17
28-Apr-17
29-Apr-17
30-Apr-17
Date
Leq (30 min)
Limit Level


NM4 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
01-Apr-17
02-Apr-17
03-Apr-17
04-Apr-17
05-Apr-17
06-Apr-17
07-Apr-17
08-Apr-17
09-Apr-17
10-Apr-17
11-Apr-17
12-Apr-17
13-Apr-17
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15-Apr-17
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22-Apr-17
23-Apr-17
24-Apr-17
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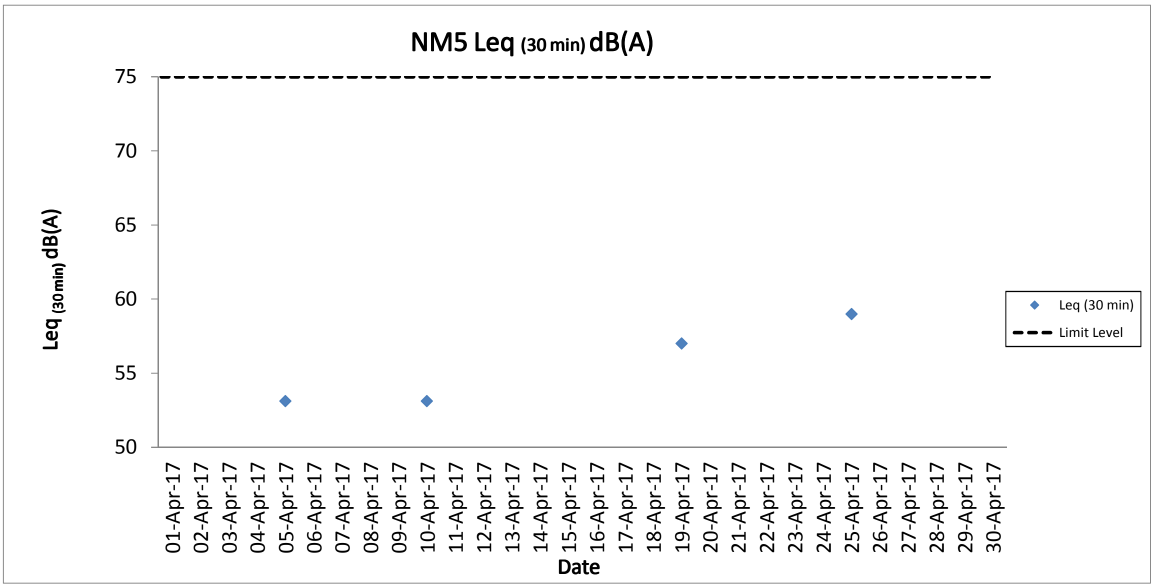
28-Apr-17
29-Apr-17
30-Apr-17
Date
Leq (30 min)
Limit Level



NM5 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
01-Apr-17
02-Apr-17
03-Apr-17
04-Apr-17
05-Apr-17
06-Apr-17
07-Apr-17
08-Apr-17
09-Apr-17
10-Apr-17
11-Apr-17
12-Apr-17
13-Apr-17
14-Apr-17
15-Apr-17
16-Apr-17
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18-Apr-17
19-Apr-17
20-Apr-17
21-Apr-17
22-Apr-17
23-Apr-17
24-Apr-17
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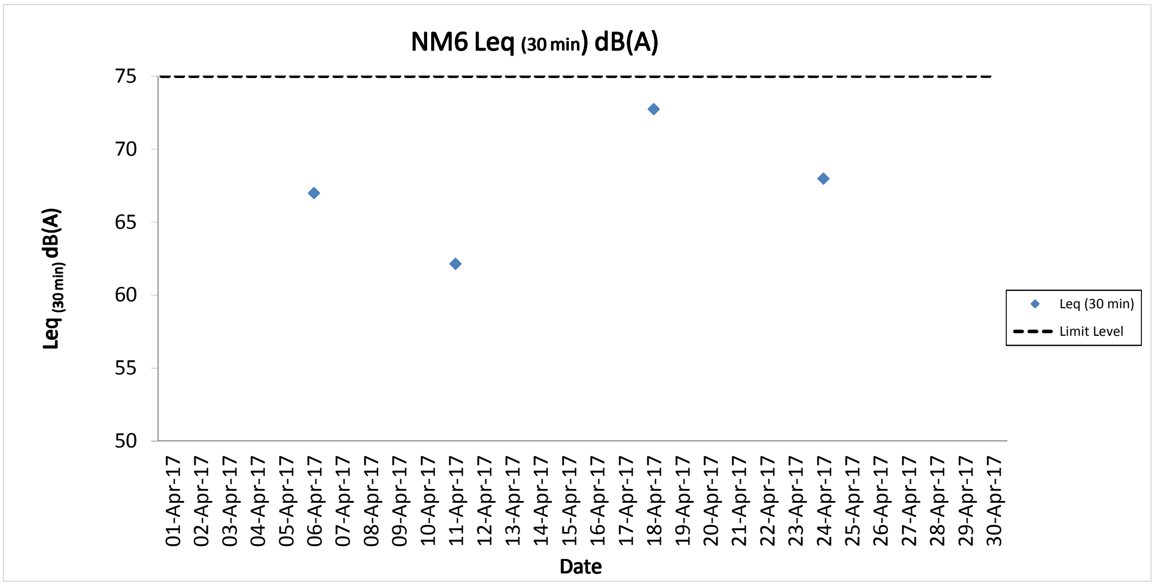
28-Apr-17
29-Apr-17
30-Apr-17
Date
Leq (30 min)
Limit Level



NM6 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
01-Apr-17
02-Apr-17
03-Apr-17
04-Apr-17
05-Apr-17
06-Apr-17
07-Apr-17
08-Apr-17
09-Apr-17
10-Apr-17
11-Apr-17
12-Apr-17
13-Apr-17
14-Apr-17
15-Apr-17
16-Apr-17
17-Apr-17
18-Apr-17
19-Apr-17
20-Apr-17
21-Apr-17
22-Apr-17
23-Apr-17
24-Apr-17
25-Apr-17
26-Apr-17
27-Apr-17
28-Apr-17
29-Apr-17
30-Apr-17
Date
Leq (30 min)
Limit Level

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 April 17 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (^oC)		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	09:28	8.8	Surface	1.0	0.9	86	16.4	16.4	7.8	7.8	29.1	29.1	99.0	99.0	8.1	8.1	9.6	21.0	28	25	74	75	804238	815620	<0.2	<0.2	0.9	1.0
						1.0	1.0	86	16.4		7.8		29.1		99.0		8.1		9.6		25		74				<0.2		1.0	
					Middle	4.4	0.8	84	16.2	16.2	7.8	7.8	30.2	30.2	98.6	98.6	8.1		21.1		30		76				<0.2		1.0	
						4.4	0.8	84	16.2		7.8		30.2		98.6		8.1		21.1		32		74				<0.2		0.8	
					Bottom	7.8	0.8	84	16.1	16.1	7.8	7.8	30.6	30.6	99.1	99.1	8.1	8.1	32.4		17		77				<0.2		1.1	
						7.8	0.8	90	16.1		7.8		30.6		99.1		8.1		32.4		19		77				<0.2		1.1	
C2	Fine	Moderate	10:33	14.2	Surface	1.0	0.4	156	20.3	20.3	7.9	7.9	24.7	24.7	93.2	93.2	7.3	7.2	4.2	14.1	7	9	75	77	806956	825682	<0.2	<0.2	2.1	2.3
						1.0	0.5	166	20.3		7.9		24.7		93.1		7.3		4.3		9		74				<0.2		2.1	
					Middle	7.1	0.6	149	20.2	20.2	7.9	7.9	25.4	25.4	91.3	91.3	7.1		17.3		8		78				<0.2		2.3	
						7.1	0.6	156	20.2		7.9		25.4		91.3		7.1		17.4		10		78				<0.2		2.4	
					Bottom	13.2	0.6	276	20.2	20.2	7.9	7.9	25.7	25.7	91.3	91.3	7.1	7.1	20.6		8		77				<0.2		2.5	
						13.2	0.6	289	20.2		7.9		25.7		91.3		7.1		20.6		10		78				<0.2		2.4	
C3	Fine	Moderate	08:12	10.5	Surface	1.0	0.7	238	20.0	20.0	8.0	8.0	28.1	28.1	92.4	92.4	7.1	7.1	3.7	5.0	6	8	73	74	817821	822109	<0.2	<0.2	1.6	1.6
						1.0	0.7	259	20.0		8.0		28.1		92.4		7.1		3.7		7		73				<0.2		1.6	
					Middle	5.3	0.8	251	19.9	19.9	8.0	8.0	29.8	29.8	91.8	91.8	7.0		4.4		9		74				<0.2		1.4	
						5.3	0.8	258	19.9		8.0		29.8		91.8		7.0		4.4		11		74				<0.2		1.6	
					Bottom	9.5	0.5	253	19.9	19.9	8.0	8.0	30.1	30.1	92.9	92.9	7.1	7.1	6.8		7		76				<0.2		1.6	
						9.5	0.5	265	19.9		8.0		30.1		92.9		7.1		6.9		9		76				<0.2		1.5	
IM1	Sunny	Moderate	10:02	8.9	Surface	1.0	0.6	207	16.6	16.6	7.7	7.7	27.9	27.9	96.5	96.5	7.9	7.9	12.4	20.1	48	26	74	75	806438	818351	<0.2	<0.2	1.5	1.5
						1.0	0.6	209	16.6		7.7		27.9		96.5		7.9		12.5		47		72				<0.2		1.4	
					Middle	4.5	0.6	143	16.4	16.5	7.7	7.7	27.9	27.9	96.3	96.3	7.9		19.7		13		74				<0.2		1.4	
						4.5	0.6	149	16.5		7.7		27.9		96.3		7.9		19.9		15		73				<0.2		1.7	
					Bottom	7.9	0.5	103	16.4	16.4	7.7	7.7	27.9	27.9	96.9	97.0	8.0	8.0	28.2		14		78				<0.2		1.4	
						7.9	0.6	108	16.4		7.7		27.8		97.0		8.0		28.1		16		77				<0.2		1.3	
IM2	Sunny	Moderate	10:16	9.2	Surface	1.0	0.7	105	16.6	16.6	7.7	7.7	28.4	28.4	98.8	98.9	8.1	8.1	8.6	12.4	10	30	75	78	806207	818852	<0.2	<0.2	1.8	1.5
						1.0	0.8	105	16.6		7.7		28.4		98.9		8.1		8.6		10		76				<0.2		1.5	
					Middle	4.6	0.7	73	16.4	16.4	7.7	7.7	28.6	28.6	98.3	98.3	8.1		10.7		38		77				<0.2		1.5	
						4.6	0.7	77	16.4		7.7		28.6		98.3		8.1		10.7		37		78				<0.2		1.3	
					Bottom	8.2	0.6	81	16.3	16.3	7.8	7.8	29.4	29.4	98.2	98.2	8.0	8.1	17.9		42		79				<0.2		1.5	
						8.2	0.6	88	16.3		7.8		29.4		98.2		8.1		17.7		44		80				<0.2		1.4	
IM3	Sunny	Moderate	10:24	9.3	Surface	1.0	0.7	83	16.7	16.7	7.8	7.8	28.3	28.3	98.7	98.8	8.1	8.1	7.5	13.5	11	25	73	76	806013	819411	<0.2	<0.2	1.8	1.5
						1.0	0.8	84	16.7		7.8		28.3		98.8		8.1		7.5		9		74				<0.2		1.6	
					Middle	4.7	0.6	65	16.5	16.5	7.7	7.7	28.5	28.5	98.3	98.3	8.1		9.9		16		76				<0.2		1.3	
						4.7	0.7	67	16.5		7.7		28.5		98.3		8.1		9.9		14		77				<0.2		1.4	
					Bottom	8.3	0.6	81	16.4	16.4	7.8	7.8	29.4	29.4	98.1	98.1	8.0	8.0	22.9		52		78				<0.2		1.4	
						8.3	0.6	83	16.4		7.8		29.4		98.1		8.0		23.0		46		78				<0.2		1.4	
IM4	Sunny	Moderate	10:35	8.6	Surface	1.0	0.7	77	16.7	16.7	7.8	7.8	28.7	28.8	99.4	99.4	8.1	8.1	10.5	13.9	9	31	73	76	805023	819570	<0.2	<0.2	1.6	1.4
						1.0	0.7	83	16.7		7.8		28.8		99.4		8.1		10.7		7		75				<0.2		1.2	
					Middle	4.3	0.6	106	16.6	16.6	7.8	7.8	28.9	28.9	99.0	99.0	8.1		14.7		24		75				<0.2		1.6	
						4.3	0.6	110	16.6		7.8		28.9		99.0		8.1		15.0		21		77				<0.2		1.5	
					Bottom	7.6	0.6	125	16.6	16.6	7.8	7.8	30.0	30.0	99.1	99.1	8.0	8.0	16.9		60		78				<0.2		1.2	
						7.6	0.7	133	16.6		7.8		29.9		99.1		8.0		15.4		64		80				<0.2		1.4	
IM5	Sunny	Moderate	10:42	8.4	Surface	1.0	0.7	91	16.8	16.8	7.8	7.8	28.0	28.0	98.5	98.5	8.1	8.1	9.2	11.9	10	16	74	76	804914	820564	<0.2	<0.2	1.7	1.5
						1.0	0.7	91	16.8		7.8		28.0		98.5		8.1		9.3		8		73				<0.2		1.8	
					Middle	4.2	0.7	81	16.6	16.6	7.8	7.8	28.0	28.0	98.4	98.4	8.1		13.9		14		75				<0.2		1.4	
						4.2	0.7	84	16.6		7.8		28.0		98.4		8.1		14.2		13		76				<0.2		1.4	
					Bottom	7.4	0.6	94	16.6	16.7	7.8	7.8	29.8	29.8	98.3	98.4	8.0	8.0	12.6		25		78				<0.2		1.4	
						7.4	0.7	101	16.7		7.8		29.8		98.4		8.0		12.3		27		77				<0.2		1.2	
IM6	Sunny	Moderate	10:51	7.8	Surface	1.0	0.6	85	16.8	16.8	7.8	7.8	27.9	27.9	97.5	97.5	8.0	8.0	15.1	19.9	23	27	75	78	805813	821060	<0.2	<0.2	1.5	1.4
						1.0	0.6	90	16.8		7.8		27.9		97.4		8.0		15.1		23		76				<0.2		1.7	
					Middle	3.9	0.5	98	16.7	16.7	7.8	7.8	28.0	28.0	96.9	96.9	8.0		18.6		30		77				<0.2		1.4	
						3.9	0.5	102	16.7		7.8		28.0		96.9		8.0		18.6		27		78				<0.2		1.4	
					Bottom	6.8	0.5	82	16.5	16.5	7.8	7.8	28.5	28.5	97.2	97.2	8.0	8.0	25.9		30		80				<0.2		1.2	
						6.8	0.5	86	16.5		7.8		28.5		97.2		8.0		25.9		28		80				<0.2		1.3	
IM7	Sunny	Moderate	11:02	9.3	Surface	1.0	0.7	77	16.9	16.9	7.8	7.8	27.7	27.7	98.4	98.4	8.0	8.0	8.1	21.8	10	12	76	78	806830	821349	0.4	0.3	1.8	1.5
						1.0	0.7	77	16.9		7.8		27.7		98.4		8.0		8.1		12		77				0.3		2.0	
					Middle	4.7	0.6	64	16.9	16.9	7.8	7.8	27.8	27.8	97.4	97.4	8.0		18.1		13		77				<0.2		1.4	
						4.7	0.7	70	16.9		7.8		27.8		97.3		8.0		18.6		11		78				<0.2		1.3	
					Bottom	8.3	0.5	74	16.5	16.5	7.8	7.8	28.6	28.6	96.1	96.1	7.9	7.9	38.9		12		80				<0.2		1.2	
						8.3	0.6	77	16.5		7.8		28.6		96.1		7.9		39.1		12		80				<0.2		1.1	
IM8	Fine	Moderate	09:59	9.9	Surface	1.0	0.5	172	20.1	20.1	8.0	8.0	25.3	25.3	93.3	93.4	7.3	7.3	8.2	11.3	12	11	73	76	807821	821695	<0.2	<0.2	2.4	2.3
						1.0	0.5	188	20.1		8.0		25.3		93.4		7.3		8.1		15		74				<0.2		2.2	
					Middle	5.0	0.7	106	20.1	20.1	8.0	8.0	26.0	26.0	93.5	93.6	7.3		9.3		11		76				<0.2		2.5	
						5.0	0.7	106	20.1		8.0		26.0		93.6		7.3		9.3		8		76				<0.2		2.3	
					Bottom	8.9	0.7	70	20.1	20.1	8.0	8.0	27.6	27.6	94.7	94.7	7.3	7.3	16.8		9		77				<0.2		2.1	
						8.9	0.7	73	20.1		8.0		27.6		94.7		7.3		16.3		10		78				<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 01 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	09:49	8.8	Surface	1.0	0.6	187	20.1	20.1	8.0	8.0	25.2	25.2	92.0	92.0	7.2	7.2	13.1	16.9	15	15	74	76	808811	822094	<0.2	<0.2	2.1	2.0
						1.0	0.6	194	20.1		8.0		25.2		92.0		7.2		13.2		16		75				<0.2		2.2	
					Middle	4.4	0.6	158	20.0	20.0	8.0	8.0	25.3	25.3	91.9	91.9	7.2		18.5		13		76				<0.2		1.9	
						4.4	0.6	171	20.0		8.0		25.3		91.9		7.2		18.6		14		76				<0.2		2.0	
					Bottom	7.8	0.6	212	20.0	20.0	8.0	8.0	25.6	25.6	93.4	93.5	7.3	7.3	18.8		13		77				<0.2		1.9	
						7.8	0.6	229	20.0		8.0		25.6		93.5		7.3		19.0		16		78				<0.2		1.8	
IM10	Fine	Moderate	09:40	9.5	Surface	1.0	0.6	284	20.3	20.3	8.0	8.0	27.3	27.3	94.2	94.2	7.3	7.4	9.7	14.4	15	12	73	75	809839	822240	<0.2	<0.2	2.0	1.7
						1.0	0.6	284	20.3		8.0		27.3		94.2		7.3		9.8		11		73				<0.2		1.9	
					Middle	4.8	0.6	292	20.2	20.2	8.0	8.0	27.6	27.6	95.4	95.5	7.4		16.0		12		75				<0.2		1.6	
						4.8	0.7	297	20.2		8.0		27.6		95.5		7.4		16.2		12		77				<0.2		1.7	
					Bottom	8.5	0.5	280	20.1	20.2	8.0	8.0	27.6	27.6	98.5	98.6	7.6	7.6	17.5		12		75				<0.2		1.6	
						8.5	0.5	299	20.2		8.0		27.6		98.6		7.6		17.3		12		77				<0.2		1.4	
IM11	Fine	Moderate	09:32	9.4	Surface	1.0	0.7	257	20.1	20.1	8.0	8.0	27.5	27.5	92.4	92.4	7.1	7.1	10.7	16.8	13	15	73	75	810533	821501	<0.2	<0.2	1.2	1.3
						1.0	0.8	281	20.1		8.0		27.5		92.3		7.1		10.7		15		73				<0.2		1.2	
					Middle	4.7	0.7	270	20.1	20.1	8.0	8.0	27.7	27.7	91.7	91.7	7.1		18.3		17		75				<0.2		1.2	
						4.7	0.7	279	20.1		8.0		27.7		91.7		7.1		18.5		14		75				<0.2		1.5	
					Bottom	8.4	0.5	253	20.1	20.1	8.0	8.0	27.8	27.8	91.7	91.7	7.1	7.1	21.1		17		77				<0.2		1.3	
						8.4	0.5	264	20.1		8.0		27.8		91.6		7.1		21.2		14		77				<0.2		1.3	
IM12	Fine	Moderate	09:18	10.1	Surface	1.0	0.8	264	20.1	20.1	8.0	8.0	27.0	27.0	93.4	93.4	7.2	7.2	8.4	11.8	11	13	73	75	811522	821162	<0.2	<0.2	1.4	1.7
						1.0	0.8	274	20.1		8.0		27.0		93.4		7.2		8.5		11		73				<0.2		1.5	
					Middle	5.1	0.6	262	20.1	20.1	8.0	8.0	27.5	27.5	93.2	93.2	7.2		11.5		14		75				<0.2		1.6	
						5.1	0.7	264	20.1		8.0		27.5		93.2		7.2		11.7		11		76				<0.2		1.5	
					Bottom	9.1	0.4	258	20.1	20.1	8.0	8.0	27.6	27.6	95.2	95.3	7.4	7.4	15.1		12		78				<0.2		2.0	
						9.1	0.4	274	20.1		8.0		27.6		95.4		7.4		15.5		16		77				<0.2		1.9	
IM13	Sunny	Moderate	10:09	6.0	Surface	1.0	0.6	157	16.7	16.7	7.7	7.7	27.9	27.9	97.6	97.6	8.0	8.0	9.4	19.2	24	27		-	811582	820085	-	-	-	-
						1.0	0.6	167	16.7		7.7		27.9		97.6		8.0		9.5		23						-		-	
					Middle	3.0	0.6	102	16.4	16.4	7.7	7.7	28.6	28.6	96.9	96.9	8.0		23.2		29						-		-	
						3.0	0.6	108	16.4		7.7		28.6		96.9		8.0		23.0		24						-		-	
					Bottom	5.0	0.5	120	16.3	16.3	7.7	7.7	29.1	29.1	97.0	97.0	8.0	8.0	25.1		30						-		-	
						5.0	0.6	122	16.3		7.7		29.1		97.0		8.0		25.0		32						-		-	
SR2	Fine	Moderate	08:45	5.4	Surface	1.0	0.3	109	20.1	20.1	8.0	8.0	27.7	27.7	93.1	93.1	7.2	7.2	12.7	13.8	15	17	73	75	814165	821463	<0.2	<0.2	1.8	1.8
						1.0	0.4	117	20.1		8.0		27.7		93.1		7.2		12.7		19		73				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.4	0.3	210	20.1	20.1	8.0	8.0	27.9	27.9	93.5	93.6	7.2	7.2	14.9		16		76				<0.2		1.9	
						4.4	0.3	214	20.1		8.0		27.9		93.6		7.2		15.0		19		76				<0.2		1.7	
SR3	Fine	Moderate	10:08	10.8	Surface	1.0	0.5	145	20.3	20.3	8.0	8.0	25.2	25.2	94.1	94.1	7.3	7.3	6.8	10.4	9	9		-	807563	822147	-	-	-	-
						1.0	0.5	145	20.3		8.0		25.2		94.1		7.3		7.2		10						-		-	
					Middle	5.4	0.7	52	20.1	20.1	8.0	8.0	26.4	26.4	94.5	94.5	7.3		8.0		11						-		-	
						5.4	0.7	55	20.1		8.0		26.4		94.5		7.3		8.0		9						-		-	
					Bottom	9.8	0.6	75	20.1	20.1	8.0	8.0	27.4	27.4	95.2	95.2	7.4	7.4	16.3		8						-		-	
						9.8	0.6	75	20.1		8.0		27.3		95.2		7.4		16.1		8						-		-	
SR4A	Sunny	Calm	09:03	9.3	Surface	1.0	0.2	208	16.6	16.6	7.7	7.7	27.3	27.3	95.0	95.0	7.8	7.9	13.7	14.3	16	19		-	807804	817189	-	-	-	-
						1.0	0.2	222	16.6		7.7		27.3		94.9		7.8		13.6		16						-		-	
					Middle	4.7	0.2	209	16.6	16.6	7.6	7.6	27.3	27.3	96.0	96.0	7.9		14.6		21						-		-	
						4.7	0.2	228	16.6		7.6		27.3		96.0		7.9		14.7		18						-		-	
					Bottom	8.3	0.2	208	16.5	16.5	7.6	7.6	27.3	27.3	99.5	99.6	8.2	8.2	14.6		20						-		-	
						8.3	0.3	226	16.5		7.6		27.3		99.7		8.2		14.6		20						-		-	
SR5A	Sunny	Calm	08:45	4.9	Surface	1.0	0.2	275	16.5	16.5	7.6	7.6	27.0	27.0	101.1	101.1	8.4	8.4	11.8	11.8	14	15		-	810710	816593	-	-	-	-
						1.0	0.2	298	16.5		7.6		27.0		101.1		8.4		11.9		13						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.9	0.2	259	16.4	16.4	7.6	7.6	27.0	27.0	104.5	104.6	8.7	8.7	11.8		15						-		-	
						3.9	0.2	276	16.4		7.6		27.0		104.7		8.7		11.8		16						-		-	
SR6	Sunny	Calm	08:19	4.6	Surface	1.0	0.2	211	16.5	16.5	7.6	7.6	23.2	23.2	100.0	100.1	8.5	8.5	15.5	15.6	22	24		-	814668	817899	-	-	-	-
						1.0	0.2	231	16.5		7.6		23.2		100.1		8.5		15.5		19						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.2	242	16.4	16.4	7.5	7.5	22.1	22.1	105.5	105.5	9.0	9.0	15.6		28						-		-	
						3.6	0.2	255	16.4		7.5		22.1		105.5		9.0		15.7		27						-		-	
SR7	Fine	Moderate	07:40	17.9	Surface	1.0	0.2	220	19.8	19.8	7.9	7.9	29.4	29.4	91.1	91.1	7.0	7.0	4.2	5.4	6	6		-	823736	823636	-	-	-	-
						1.0	0.3	229	19.8		7.9		29.4		91.0		7.0		4.3		7						-		-	
					Middle	9.0	0.3	108	19.8	19.8	7.9	7.9	30.2	30.2	90.5	90.5	6.9		6.2		5						-		-	
						9.0	0.3	111	19.8		7.9		30.2		90.5		6.9		6.0		7						-		-	
					Bottom	16.9	0.3	68	19.8	19.8	7.9	7.9	30.3	30.3	92.2	92.4	7.0	7.1	6.0		7						-		-	
						16.9	0.3	69	19.8		7.9		30.3		92.6		7.1		5.5		5						-		-	
SR8	Fine	Moderate	09:02	6.8	Surface	1.0	0.3	123	20.0	20.0	8.0	8.0	25.0	25.0	95.4	95.5	7.5	7.5	11.2	12.1	12	12		-	811582	820417	-	-	-	-
						1.0	0.3	130	20.0		8.0		25.0		95.5		7.5		11.0		12						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	5.8	0.3	213	20.1	20.1	8.0	8.0	27.9	27.9	101.6	101.7	7.8	7.8	13.1		12						-		-	
						5.8	0.3	220	20.1		8.0		27.9		101.8		7.8		13.1		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 01 April 17 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (^{o}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	15:47	8.6	Surface	1.0	0.8	205	16.8	16.8	7.8	7.8	31.3	31.3	102.2	102.2	8.2	8.2	5.6	6.1	12	10	74	75	804258	815620	<0.2	<0.2	0.6	0.7
						1.0	0.8	206	16.8		7.8		31.3		102.2		8.2		5.6		10		73				<0.2		0.7	
					Middle	4.3	0.7	219	16.6	16.6	7.8	7.8	31.8	31.8	101.4	101.4	8.2		5.0		9		75				<0.2		0.7	
						4.3	0.7	230	16.6		7.8		31.7		101.3		8.1		5.3		10		75				<0.2		0.6	
					Bottom	7.6	0.6	235	16.4	16.4	7.8	7.8	32.4	32.4	100.4	100.3	8.1	8.1	7.6		8		75				<0.2		0.6	
						7.6	0.7	240	16.4		7.8		32.3		100.1		8.0		7.7		8		76				<0.2		0.7	
C2	Fine	Moderate	14:19	14.5	Surface	1.0	0.5	133	20.9	20.9	8.0	8.0	25.2	25.2	95.1	95.1	7.3	7.2	7.8	12.9	10	11	73	76	806955	825682	<0.2	<0.2	2.6	2.6
						1.0	0.5	144	20.9		8.0		25.2		95.1		7.3		7.7		11		74				<0.2		2.4	
					Middle	7.3	0.3	141	20.1	20.1	8.1	8.1	28.3	28.3	90.6	90.6	7.0		16.5		11		76				<0.2		2.6	
						7.3	0.4	147	20.1		8.1		28.3		90.6		7.0		16.4		11		76				<0.2		2.5	
					Bottom	13.5	0.3	185	19.9	19.9	8.1	8.1	29.4	29.4	91.6	91.7	7.0	7.0	14.5		12		77				<0.2		2.7	
						13.5	0.3	191	19.9		8.1		29.4		91.7		7.0		14.7		10		77				<0.2		2.5	
C3	Fine	Moderate	17:13	13.5	Surface	1.0	0.8	114	20.4	20.4	8.0	8.0	27.9	27.9	95.6	95.6	7.3	7.3	10.2	9.5	14	15	71	75	817795	822109	<0.2	<0.2	1.6	1.7
						1.0	0.8	124	20.4		8.0		27.9		95.5		7.3		10.3		16		73				<0.2		1.9	
					Middle	6.8	0.5	103	20.3	20.3	8.0	8.0	28.4	28.4	95.8	95.8	7.3		9.1		16		75				<0.2		1.6	
						6.8	0.5	109	20.3		8.0		28.4		95.8		7.3		9.2		17		76				<0.2		1.7	
					Bottom	12.5	0.4	75	20.3	20.3	8.0	8.0	28.5	28.5	97.5	97.5	7.5	7.5	9.0		15		77				<0.2		1.7	
						12.5	0.4	79	20.3		8.0		28.5		97.5		7.5		9.0		14		78				<0.2		1.6	
IM1	Sunny	Moderate	15:14	8.9	Surface	1.0	0.5	184	17.2	17.2	7.8	7.8	28.1	28.1	101.2	101.2	8.2	8.2	6.7	6.5	9	9	74	75	806477	818351	<0.2	<0.2	0.9	1.3
						1.0	0.5	194	17.2		7.8		28.1		101.2		8.2		6.8		7		74				<0.2		0.8	
					Middle	4.5	0.4	178	16.6	16.6	7.8	7.8	30.6	30.6	100.4	100.4	8.1		6.7		10		75				<0.2		1.4	
						4.5	0.4	178	16.6		7.8		30.6		100.4		8.1		6.6		8		75				<0.2		1.4	
					Bottom	7.9	0.4	160	16.5	16.5	7.8	7.8	31.9	31.9	99.6	99.6	8.0	8.0	6.0		10		77				<0.2		1.6	
						7.9	0.5	173	16.5		7.8		31.9		99.6		8.0		6.0		9		77				<0.2		1.4	
IM2	Sunny	Moderate	15:08	9.1	Surface	1.0	0.4	192	17.5	17.5	7.8	7.8	27.1	27.1	100.9	101.0	8.2	8.2	5.4	6.1	8	8	75	78	806201	818852	<0.2	<0.2	0.9	1.3
						1.0	0.4	201	17.5		7.8		27.1		101.1		8.2		5.4		8		76				<0.2		0.9	
					Middle	4.6	0.4	172	16.8	16.8	7.8	7.8	31.0	31.0	100.8	100.8	8.1		5.9		9		78				<0.2		1.2	
						4.6	0.4	174	16.8		7.8		30.9		100.8		8.1		6.0		8		79				<0.2		1.5	
					Bottom	8.1	0.4	180	16.4	16.5	7.8	7.8	31.9	31.9	99.3	99.3	8.0	8.0	6.8		7		80				<0.2		1.6	
						8.1	0.4	184	16.5		7.8		31.9		99.3		8.0		6.8		7		80				<0.2		1.4	
IM3	Sunny	Moderate	14:58	8.6	Surface	1.0	0.4	197	17.0	17.0	7.8	7.8	29.4	29.5	100.7	100.7	8.1	8.1	7.4	7.6	12	10	75	76	806012	819411	<0.2	<0.2	1.0	0.9
						1.0	0.4	200	17.0		7.8		29.5		100.7		8.1		7.5		10		75				<0.2		0.9	
					Middle	4.3	0.5	183	16.8	16.8	7.8	7.8	30.5	30.5	100.6	100.7	8.1		8.2		8		75				<0.2		0.9	
						4.3	0.5	195	16.8		7.8		30.5		100.8		8.1		7.8		9		76				<0.2		1.0	
					Bottom	7.6	0.4	178	16.4	16.4	7.8	7.8	31.8	31.8	99.9	99.9	8.1	8.1	7.1		11		78				<0.2		0.9	
						7.6	0.4	181	16.4		7.8		31.8		99.9		8.1		7.6		9		76				<0.2		0.9	
IM4	Sunny	Moderate	14:49	7.6	Surface	1.0	0.4	148	16.7	16.7	7.8	7.8	31.3	31.3	100.0	100.0	8.1	8.0	9.0	9.0	10	10	76	77	805031	819570	<0.2	<0.2	0.6	0.6
						1.0	0.4	154	16.6		7.8		31.3		99.9		8.0		9.0		12		75				<0.2		0.4	
					Middle	3.8	0.3	160	16.4	16.4	7.8	7.8	31.5	31.5	99.3	99.4	8.0		9.2		9		77				<0.2		0.6	
						3.8	0.4	171	16.4		7.8		31.5		99.4		8.0		9.1		11		78				<0.2		0.4	
					Bottom	6.6	0.3	190	16.3	16.3	7.8	7.8	31.9	31.9	99.1	99.2	8.0	8.0	8.7		9		79				<0.2		0.8	
						6.6	0.3	191	16.3		7.8		31.8		99.2		8.0		8.7		9		79				<0.2		0.6	
IM5	Sunny	Moderate	14:40	8.3	Surface	1.0	0.5	138	16.6	16.6	7.8	7.8	31.2	31.3	99.4	99.2	8.0	8.0	9.6	12.6	10	12	73	75	804915	820564	<0.2	<0.2	0.7	0.6
						1.0	0.5	151	16.6		7.8		31.3		99.0		8.0		10.2		10		74				<0.2		0.5	
					Middle	4.2	0.5	150	16.3	16.3	7.8	7.8	31.6	31.6	98.2	98.2	7.9		13.0		11		75				<0.2		0.5	
						4.2	0.6	153	16.3		7.8		31.6		98.1		7.9		13.1		11		75				<0.2		0.6	
					Bottom	7.3	0.4	159	16.2	16.2	7.8	7.8	31.9	31.9	98.3	98.3	7.9	7.9	14.8		13		77				<0.2		0.5	
						7.3	0.5	174	16.2		7.8		31.9		98.3		7.9		14.7		14		78				<0.2		0.6	
IM6	Sunny	Moderate	14:31	9.4	Surface	1.0	0.6	114	17.3	17.3	7.8	7.8	29.7	29.8	100.3	100.3	8.0	8.0	7.5	10.9	8	10	74	76	805826	821060	<0.2	<0.2	0.5	0.7
						1.0	0.6	119	17.3		7.8		29.8		100.2		8.0		8.0		7		75				<0.2		0.8	
					Middle	4.7	0.4	132	16.4	16.5	7.8	7.8	31.1	31.1	98.7	98.7	8.0		10.7		9		76				<0.2		0.6	
						4.7	0.4	137	16.5		7.8		31.1		98.7		8.0		10.7		10		76				<0.2		0.8	
					Bottom	8.4	0.4	126	16.3	16.3	7.8	7.8	32.0	32.0	98.4	98.4	7.9	7.9	14.5		13		78				<0.2		0.8	
						8.4	0.4	128	16.3		7.8		32.0		98.4		7.9		14.2		12		77				<0.2		0.7	
IM7	Sunny	Moderate	14:19	5.1	Surface	1.0	0.5	87	17.3	17.3	7.8	7.8	29.6	29.6	101.2	101.2	8.1	8.1	6.4	7.1	8	9	74	76	806823	821349	<0.2	<0.2	0.9	0.9
						1.0	0.5	92	17.2		7.8		29.6		101.1		8.1		6.4		8		73				<0.2		0.9	
					Middle	2.6	0.5	89	17.0	17.0	7.8	7.8	30.0	30.1	100.6	100.5	8.1		6.6		9		75				<0.2		0.9	
						2.6	0.5	92	17.0		7.8		30.1		100.4		8.1		7.1		9		75				<0.2		1.0	
					Bottom	4.1	0.4	112	16.9	16.9	7.8	7.8	30.9	30.9	99.8	99.8	8.0	8.0	8.0		9		78				<0.2		1.0	
						4.1	0.4	115	16.9		7.8		30.9		99.8		8.0		8.0		10		78				<0.2		0.9	
IM8	Fine	Moderate	14:49	9.6	Surface	1.0	0.6	136	20.7	20.7	8.0	8.0	26.4	26.4	98.8	98.9	7.6	7.6	5.6	8.5	8	10	73	76	807851	821695	<0.2	<0.2	1.8	1.8
						1.0	0.7	148	20.7		8.0		26.4		98.9		7.6		5.7		8		74				<0.2		2.0	
					Middle	4.8	0.6	102	20.8	20.8	8.1	8.1	28.5	28.5	99.8	99.8	7.6		7.4		10		76				<0.2		1.8	
						4.8	0.6	108	20.8		8.1		28.5		99.8		7.6		7.4		12		76				<0.2		1.9	
					Bottom	8.6	0.6	95	20.1	20.1	8.1	8.1	30.4	30.4	98.7	98.7	7.5	7.5	12.3		9		77				<0.2		1.7	
						8.6	0.6	95	20.1		8.1		30.4		98.7		7.5		12.5		11		77				<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 01 April 17 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	15:06	8.4	Surface	1.0	0.8	140	20.7	20.7	8.0	8.0	25.7	25.7	97.3	97.3	7.5	7.5	6.1	9.8	8	9	73	75	808797	822094	<0.2	<0.2	2.0	1.9
						1.0	0.8	149	20.7		8.0		25.7		97.3		7.5		5.9		8		74				<0.2		2.0	
					Middle	4.2	0.7	109	20.5	20.5	8.0	8.0	27.5	27.5	97.4	97.5	7.5		8.4		10		75				<0.2		1.9	
						4.2	0.7	113	20.5		8.0		27.5		97.5		7.5		8.4		8		74				<0.2		1.9	
					Bottom	7.4	0.7	97	20.3	20.4	8.0	8.0	29.9	29.9	97.8	97.9	7.4	7.4	15.7		10		76				<0.2		1.9	
						7.4	0.7	102	20.4		8.0		29.9		97.9		7.4		14.2		8		76				<0.2		1.8	
IM10	Fine	Moderate	15:19	9.5	Surface	1.0	1.0	130	20.8	20.8	8.0	8.0	26.3	26.3	97.6	97.6	7.5	7.5	6.9	13.2	8	7	74	76	809844	822240	<0.2	<0.2	2.0	2.0
						1.0	1.1	134	20.8		8.0		26.3		97.6		7.5		7.0		7		74				<0.2		2.2	
					Middle	4.8	0.8	109	20.4	20.4	8.0	8.0	28.0	28.0	97.0	97.0	7.4		13.7		7		75				<0.2		1.7	
						4.8	0.8	111	20.4		8.0		28.0		97.0		7.4		13.8		9		75				<0.2		1.9	
					Bottom	8.5	0.6	98	20.2	20.2	8.0	8.0	29.7	29.7	96.7	96.7	7.4	7.4	19.4		6		78				<0.2		2.1	
						8.5	0.6	106	20.2		8.0		29.7		96.7		7.4		18.1		6		78				<0.2		2.3	
IM11	Fine	Moderate	15:30	9.4	Surface	1.0	0.9	120	20.8	20.8	8.0	8.0	26.4	26.4	97.4	97.4	7.5	7.5	6.6	12.8	12	11	74	76	810527	821501	<0.2	<0.2	1.4	1.4
						1.0	1.0	123	20.8		8.0		26.4		97.4		7.5		6.7		12		74				<0.2		1.5	
					Middle	4.7	0.7	104	20.6	20.6	8.1	8.1	26.8	26.8	96.8	96.8	7.4		11.2		8		76				<0.2		1.3	
						4.7	0.7	109	20.6		8.1		26.8		96.8		7.4		11.3		10		78				<0.2		1.4	
					Bottom	8.4	0.6	83	20.3	20.3	8.1	8.1	27.9	27.9	96.0	96.0	7.4	7.4	20.4		11		77				<0.2		1.5	
						8.4	0.6	91	20.3		8.1		27.9		96.0		7.4		20.6		11		77				<0.2		1.4	
IM12	Fine	Moderate	15:41	10.7	Surface	1.0	1.0	110	20.8	20.8	8.1	8.1	26.5	26.5	96.6	96.6	7.4	7.4	6.9	14.1	9	10	73	75	811515	821162	<0.2	<0.2	1.5	1.4
						1.0	1.0	115	20.8		8.1		26.5		96.6		7.4		6.7		10		74				<0.2		1.4	
					Middle	5.4	0.7	94	20.2	20.2	8.0	8.0	27.5	27.5	94.7	94.7	7.3		16.9		12		75				<0.2		1.3	
						5.4	0.8	96	20.2		8.0		27.5		94.7		7.3		16.9		10		75				<0.2		1.5	
					Bottom	9.7	0.6	99	20.2	20.2	8.0	8.0	27.7	27.7	94.8	94.8	7.3	7.3	18.7		11		77				<0.2		1.2	
						9.7	0.7	101	20.2		8.0		27.7		94.8		7.3		18.7		10		78				<0.2		1.2	
IM13	Sunny	Moderate	15:25	4.3	Surface	1.0	0.3	209	17.0	17.0	7.8	7.8	29.7	29.7	99.4	99.4	8.0	8.0	13.7	14.8	17	17		-	810527	820085	-	-	-	-
						1.0	0.3	209	17.0		7.8		29.7		99.4		8.0		13.7		18						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.3	0.4	201	16.3	16.3	7.8	7.8	31.6	31.6	98.4	98.4	8.0	8.0	16.5		17						-		-	
						3.3	0.4	206	16.3		7.8		31.5		98.3		8.0		15.3		16						-		-	
SR2	Fine	Moderate	16:52	5.4	Surface	1.0	0.7	80	20.3	20.3	8.0	8.0	27.5	27.5	94.4	94.4	7.3	7.3	21.0	20.8	24	28	73	75	814172	821463	<0.2	<0.2	1.2	1.2
						1.0	0.8	80	20.3		8.0		27.5		94.4		7.3		21.0		24		74				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.4	0.5	69	20.3	20.3	8.0	8.0	27.6	27.6	94.4	94.4	7.3	7.3	20.7		30		77				<0.2		1.0	
						4.4	0.5	70	20.3		8.0		27.6		94.4		7.3		20.6		33		77				<0.2		1.2	
SR3	Fine	Moderate	14:42	10.6	Surface	1.0	0.7	168	20.6	20.6	8.1	8.1	25.8	25.8	98.0	98.1	7.6	7.6	5.8	10.3	7	8		-	807559	822147	-	-	-	-
						1.0	0.7	183	20.6		8.1		25.8		98.1		7.6		5.9		9						-		-	
					Middle	5.3	0.6	97	20.7	20.7	8.1	8.1	29.0	29.0	99.6	99.6	7.5		7.3		9						-		-	
						5.3	0.6	98	20.7		8.1		29.0		99.6		7.5		7.5		8						-		-	
					Bottom	9.6	0.7	168	20.1	20.1	8.0	8.0	30.3	30.3	97.8	97.8	7.4	7.4	17.7		7						-		-	
						9.6	0.7	170	20.1		8.0		30.3		97.8		7.4		17.7		8						-		-	
SR4A	Sunny	Calm	16:16	9.5	Surface	1.0	0.5	82	16.6	16.6	7.8	7.8	31.2	31.2	100.0	100.0	8.1	8.1	13.1	15.5	19	19		-	807791	817189	-	-	-	-
						1.0	0.6	85	16.6		7.8		31.2		100.0		8.1		13.3		17						-		-	
					Middle	4.8	0.4	92	16.5	16.5	7.8	7.8	31.5	31.5	99.7	99.7	8.0		17.4		20						-		-	
						4.8	0.4	99	16.5		7.8		31.5		99.7		8.0		17.5		22						-		-	
					Bottom	8.5	0.3	108	16.4	16.4	7.8	7.8	31.7	31.7	99.3	99.3	8.0	8.0	15.9		20						-		-	
						8.5	0.3	109	16.4		7.8		31.7		99.3		8.0		15.8		17						-		-	
SR5A	Sunny	Calm	16:39	9.4	Surface	1.0	0.2	162	17.3	17.3	7.8	7.8	28.8	28.8	99.7	99.7	8.0	8.0	12.1	13.2	10	10		-	810703	816593	-	-	-	-
						1.0	0.2	163	17.3		7.8		28.8		99.7		8.0		12.3		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	8.4	0.2	157	17.3	17.3	7.8	7.8	28.7	28.7	100.1	100.1	8.1	8.1	14.2		10						-		-	
						8.4	0.2	158	17.3		7.8		28.7		100.1		8.1		14.3		10						-		-	
SR6	Sunny	Calm	17:00	5.1	Surface	1.0	0.2	88	17.8	17.8	7.8	7.8	27.6	27.6	100.0	100.0	8.1	8.1	6.0	6.2	7	8		-	814669	817899	-	-	-	-
						1.0	0.3	96	17.8		7.8		27.6		100.0		8.1		6.0		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.2	96	17.6	17.6	7.8	7.8	27.6	27.6	101.0	101.0	8.2	8.2	6.3		8						-		-	
						4.1	0.2	96	17.5		7.8		27.6		101.0		8.2		6.4		9						-		-	
SR7	Fine	Moderate	17:42	16.8	Surface	1.0	0.8	66	20.5	20.5	8.0	8.0	27.6	27.6	94.8	94.8	7.3	7.2	4.4	4.7	6	7		-	823755	823636	-	-	-	-
						1.0	0.9	71	20.5		8.0		27.6		94.8		7.3		4.5		5						-		-	
					Middle	8.4	0.4	99	20.5	20.5	8.0	8.0	28.2	28.2	93.5	93.5	7.1		4.9		7						-		-	
						8.4	0.4	99	20.5		8.0		28.2		93.5		7.1		4.9		6						-		-	
					Bottom	15.8	0.4	209	20.3	20.3	8.0	8.0	28.9	28.9	93.4	93.5	7.1	7.1	4.8		7						-		-	
						15.8	0.5	229	20.3		8.0		28.8		93.5		7.1		4.8		8						-		-	
SR8	Fine	Moderate	16:37	6.4	Surface	1.0	0.3	195	20.6	20.6	8.1	8.1	26.4	26.4	97.7	97.7	7.5	7.5	8.6	7.1	32	32		-	811576	820417	-	-	-	-
						1.0	0.3	207	20.6		8.1		26.4		97.7		7.5		8.8		35						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	5.4	0.3	184	20.7	20.7	8.2	8.2	27.9	27.9	97.2	97.2	7.4	7.4	5.7		28						-		-	
						5.4	0.3	192	20.7		8.2		27.9		97.2		7.4		5.1		32						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	11:44	8.8	Surface	1.0	0.5	75	17.4	17.4	7.9	7.9	30.4	30.4	105.5	105.5	8.4	8.4	2.0	2.4	6	8	75	76	804235	815620	<0.2	<0.2	0.9	0.9
						1.0	0.5	81	17.3		7.9		30.4		105.4		8.4		2.0		8		75				<0.2		0.9	
					Middle	4.4	0.5	106	16.9	16.9	7.9	7.9	30.9	30.9	103.0	103.0	8.3		2.6		7		75				<0.2		1.1	
						4.4	0.5	108	16.9		7.9		30.9		103.0		8.3		2.6		9		75				<0.2		0.9	
					Bottom	7.8	0.4	113	16.7	16.7	7.9	7.9	31.4	31.4	102.2	102.2	8.2	8.2	2.7		9		77				<0.2		0.9	
						7.8	0.5	122	16.7		7.9		31.4		102.2		8.2		2.6		7		76				<0.2		0.9	
C2	Fine	Moderate	10:15	11.9	Surface	1.0	0.2	213	20.7	20.7	8.0	8.0	24.5	24.5	92.4	92.4	7.2	7.1	3.6	3.4	5	7	73	76	806958	825682	<0.2	<0.2	3.0	2.8
						1.0	0.2	218	20.7		8.0		24.5		92.3		7.2		3.5		6		74				<0.2		2.9	
					Middle	6.0	0.3	284	20.3	20.3	8.0	8.0	28.1	28.1	90.3	90.3	6.9		3.9		8		76				<0.2		2.8	
						6.0	0.4	301	20.3		8.0		28.1		90.3		6.9		3.9		8		76				<0.2		2.8	
					Bottom	10.9	0.3	255	20.2	20.2	8.0	8.0	28.8	28.8	89.2	89.2	6.8	6.8	2.7		7		77				<0.2		2.7	
						10.9	0.3	262	20.2		8.0		28.8		89.2		6.8		2.7		7		78				<0.2		2.5	
C3	Fine	Moderate	12:27	11.8	Surface	1.0	0.2	227	21.2	21.2	8.0	8.0	27.6	27.6	100.5	100.5	7.6	7.4	2.3	2.1	3	4	73	75	817801	822109	<0.2	<0.2	1.6	1.5
						1.0	0.2	243	21.2		8.0		27.6		100.4		7.6		2.4		3		73				<0.2		1.7	
					Middle	5.9	0.3	260	20.0	20.0	8.0	8.0	30.3	30.3	92.8	92.8	7.1		2.6		6		75				<0.2		1.4	
						5.9	0.3	261	20.0		8.0		30.3		92.8		7.1		2.5		7		76				<0.2		1.5	
					Bottom	10.8	0.3	271	20.0	20.0	8.0	8.0	30.6	30.6	93.3	93.4	7.1	7.1	1.3		4		77				<0.2		1.6	
						10.8	0.3	292	20.0		8.0		30.6		93.4		7.1		1.3		3		77				<0.2		1.4	
IM1	Fine	Moderate	11:10	9.0	Surface	1.0	0.4	224	17.2	17.2	7.8	7.8	29.6	29.6	103.9	103.9	8.4	8.4	3.4	4.5	5	8	74	75	806467	818351	<0.2	<0.2	1.0	1.0
						1.0	0.5	229	17.2		7.8		29.6		103.8		8.4		3.4		4		74				<0.2		1.0	
					Middle	4.5	0.4	127	16.7	16.7	7.8	7.8	30.5	30.5	102.1	102.1	8.3		4.7		8		75				<0.2		1.0	
						4.5	0.4	136	16.7		7.8		30.5		102.1		8.3		4.7		7		76				<0.2		1.0	
					Bottom	8.0	0.3	139	16.6	16.6	7.8	7.8	30.8	30.8	101.3	101.3	8.2	8.2	5.5		11		76				<0.2		0.8	
						8.0	0.3	152	16.6		7.8		30.8		101.3		8.2		5.5		11		77				<0.2		0.9	
IM2	Fine	Moderate	11:01	9.2	Surface	1.0	0.4	217	17.2	17.2	7.8	7.8	29.4	29.4	104.7	104.7	8.4	8.4	2.3	3.3	3	7	75	76	806177	818852	<0.2	<0.2	1.0	0.8
						1.0	0.4	226	17.2		7.8		29.4		104.7		8.4		2.3		2		75				<0.2		1.0	
					Middle	4.6	0.4	144	17.0	17.0	7.8	7.9	29.5	29.6	103.3	103.3	8.3		3.2		6		76				<0.2		0.7	
						4.6	0.4	150	17.0		7.9		29.6		103.2		8.3		3.3		7		76				<0.2		0.7	
					Bottom	8.2	0.4	141	16.7	16.7	7.9	7.9	30.7	30.7	102.2	102.2	8.3	8.3	4.5		12		77				<0.2		0.8	
						8.2	0.4	146	16.7		7.9		30.6		102.2		8.3		4.3		11		77				<0.2		0.8	
IM3	Fine	Moderate	10:52	8.9	Surface	1.0	0.3	192	17.3	17.3	7.8	7.8	28.2	28.2	105.3	105.3	8.5	8.5	1.6	3.1	4	5	74	75	806038	819411	<0.2	<0.2	1.2	1.1
						1.0	0.3	208	17.3		7.8		28.2		105.3		8.5		1.7		4		74				<0.2		1.1	
					Middle	4.5	0.4	126	17.1	17.1	7.9	7.9	28.4	28.4	103.3	103.3	8.4		3.3		4		75				<0.2		1.1	
						4.5	0.4	130	17.1		7.9		28.4		103.2		8.4		3.4		5		75				<0.2		1.2	
					Bottom	7.9	0.4	129	16.7	16.8	7.9	7.9	30.6	30.6	102.0	102.1	8.2	8.2	4.6		6		76				<0.2		1.1	
						7.9	0.4	130	16.8		7.8		30.6		102.2		8.2		4.1		5		77				<0.2		0.9	
IM4	Fine	Moderate	10:43	8.5	Surface	1.0	0.4	163	17.3	17.3	7.8	7.8	26.6	26.6	106.2	106.2	8.7	8.6	2.0	2.8	8	8	74	75	805025	819570	<0.2	<0.2	1.6	1.3
						1.0	0.4	167	17.3		7.8		26.6		106.2		8.7		2.0		7		74				<0.2		1.6	
					Middle	4.3	0.5	147	17.0	17.0	7.9	7.9	28.4	28.4	104.1	104.1	8.5		2.8		10		75				<0.2		1.1	
						4.3	0.5	157	17.0		7.9		28.4		104.0		8.5		2.8		9		75				<0.2		1.1	
					Bottom	7.5	0.4	155	16.7	16.8	7.8	7.8	30.4	30.4	102.1	102.1	8.3	8.3	3.7		8		76				<0.2		1.1	
						7.5	0.4	155	16.8		7.8		30.3		102.1		8.3		3.5		6		76				<0.2		1.2	
IM5	Fine	Moderate	10:32	7.7	Surface	1.0	0.5	160	17.9	17.9	7.8	7.8	24.4	24.4	103.9	103.9	8.5	8.4	2.7	6.7	11	11	74	76	804908	820564	<0.2	<0.2	1.9	1.7
						1.0	0.5	162	17.8		7.8		24.4		103.9		8.5		2.8		9		75				<0.2		2.0	
					Middle	3.9	0.6	161	16.9	16.9	7.8	7.8	29.5	29.5	101.8	101.8	8.3		5.7		7		76				<0.2		1.6	
						3.9	0.6	161	16.9		7.8		29.5		101.7		8.3		5.8		7		76				<0.2		1.4	
					Bottom	6.7	0.6	178	16.6	16.6	7.8	7.8	30.7	30.7	100.6	100.6	8.1	8.1	11.8		15		76				<0.2		1.6	
						6.7	0.6	178	16.6		7.8		30.7		100.6		8.1		11.6		18		77				<0.2		1.4	
IM6	Fine	Moderate	10:22	7.2	Surface	1.0	0.3	206	17.9	17.9	7.8	7.8	24.2	24.2	101.6	101.6	8.3	8.2	2.9	6.3	8	10	73	75	805827	821060	<0.2	<0.2	2.2	2.0
						1.0	0.4	212	17.9		7.8		24.2		101.6		8.3		2.9		8		74				<0.2		2.2	
					Middle	3.6	0.4	135	17.0	17.0	7.8	7.8	28.3	28.3	100.1	100.1	8.1		7.3		9		74				<0.2		2.1	
						3.6	0.4	137	17.0		7.8		28.3		100.1		8.1		7.4		10		75				<0.2		2.0	
					Bottom	6.2	0.4	127	16.7	16.7	7.9	7.9	30.3	30.3	99.7	99.8	8.1	8.1	8.7		13		76				<0.2		1.9	
						6.2	0.4	130	16.7		7.9		30.3		99.8		8.1		8.7		12		76				<0.2		1.8	
IM7	Fine	Moderate	10:13	8.4	Surface	1.0	0.4	244	17.8	17.8	7.8	7.8	24.2	24.2	100.5	100.5	8.3	8.3	2.9	4.9	6	7	74	76	806830	821349	<0.2	<0.2	2.0	2.0
						1.0	0.4	250	17.8		7.8		24.2		100.5		8.3		3.0		6		75				<0.2		2.0	
					Middle	4.2	0.5	76	17.3	17.3	7.8	7.8	26.3	26.3	100.2	100.2	8.2		4.9		7		76				<0.2		2.0	
						4.2	0.5	81	17.3		7.8		26.3		100.2		8.2		4.8		6		76				<0.2		1.9	
					Bottom	7.4	0.4	87	16.8	16.8	7.8	7.8	30.0	30.0	100.1	100.1	8.1	8.1	7.1		9		77				<0.2		1.9	
						7.4	0.5	87	16.8		7.8		30.0		100.1		8.1		6.8		9		77				<0.2		2.0	
IM8	Fine	Moderate	10:45	8.5	Surface	1.0	0.3	210	21.3	21.3	8.0	8.0	23.4	23.4	97.8	97.8	7.6	7.6	5.0	6.0	9	7	74	75	807824	821695	<0.2	<0.2	2.8	3.2
						1.0	0.3	212	21.3		8.0		23.4		97.8		7.6		4.9		7		74				<0.2		2.9	
					Middle	4.3	0.2	186	20.6	20.6	8.0	8.0	26.1	26.1	96.8	96.8	7.5		6.3		6		74				<0.2		3.1	
						4.3	0.3	201	20.6		8.0		26.1		96.8		7.5		6.4		5		75				<0.2		3.1	
					Bottom	7.5	0.3	233	20.3	20.3	8.0	8.0	28.1	28.1	97.0	97.0	7.4	7.4	6.8		8		76				<0.2		3.8	
						7.5	0.3	237	20.3		8.0		28.1		97.0		7.4		6.8		7		76				<0.2		3.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 April 17 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 (^{o}C) Value	Water Temperature (^{o}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	10:55	7.5	Surface	1.0	0.3	226	21.4	21.4	8.0	8.0	23.8	23.8	97.8	97.8	7.5	7.5	3.1	4.0	8	7	74	75	808804	822094	<0.2	<0.2	3.4	3.5
						1.0	0.3	242	21.4		8.0		23.8		97.8		7.5		3.3		8		74				<0.2		3.4	
					Middle	3.8	0.3	227	20.8	20.8	8.0	8.0	25.2	25.2	96.4	96.4	7.5		4.2		6		74				<0.2		3.4	
						3.8	0.3	229	20.8		8.0		25.2		96.4		7.5		4.3		6		75				<0.2		3.6	
					Bottom	6.5	0.3	203	20.5	20.5	8.0	8.0	27.1	27.2	96.1	96.1	7.4	7.4	4.4		6		76				<0.2		3.6	
						6.5	0.3	205	20.5		8.0		27.2		96.1		7.4		4.5		6		77				<0.2		3.7	
IM10	Fine	Moderate	11:09	8.5	Surface	1.0	0.4	251	21.3	21.3	8.0	8.0	24.2	24.2	98.9	98.9	7.6	7.5	3.5	4.7	6	6	74	75	809832	822240	<0.2	<0.2	3.2	3.1
						1.0	0.4	254	21.3		8.0		24.2		98.8		7.6		3.7		5		74				<0.2		3.2	
					Middle	4.3	0.3	228	20.5	20.5	8.0	8.0	27.0	27.0	95.9	95.9	7.4		4.9		6		74				<0.2		3.0	
						4.3	0.3	230	20.5		8.0		27.0		95.9		7.4		5.0		6		75				<0.2		3.1	
					Bottom	7.5	0.4	219	20.3	20.3	8.0	8.0	28.0	28.0	96.3	96.3	7.4	7.4	5.6		6		75				<0.2		3.2	
						7.5	0.4	236	20.3		8.0		28.0		96.3		7.4		5.6		7		77				<0.2		3.0	
IM11	Fine	Moderate	11:19	8.7	Surface	1.0	0.3	256	21.2	21.2	8.0	8.0	23.5	23.5	98.0	98.0	7.6	7.5	2.8	5.0	6	6	73	75	810562	821501	<0.2	<0.2	1.9	2.0
						1.0	0.3	271	21.2		8.0		23.5		97.9		7.6		2.9		5		74				<0.2		2.1	
					Middle	4.4	0.3	236	20.6	20.6	8.0	8.0	26.7	26.7	95.0	95.0	7.3		5.3		4		75				<0.2		2.3	
						4.4	0.3	251	20.6		8.0		26.6		95.0		7.3		5.5		5		75				<0.2		2.0	
					Bottom	7.7	0.3	262	20.3	20.3	8.0	8.0	28.4	28.4	94.5	94.6	7.2	7.2	6.8		8		77				<0.2		1.9	
						7.7	0.3	277	20.3		8.0		28.4		94.7		7.2		6.8		6		77				<0.2		1.9	
IM12	Fine	Moderate	11:30	9.2	Surface	1.0	0.5	273	21.0	21.0	8.0	8.0	25.0	25.0	97.8	97.8	7.5	7.4	3.2	4.7	6	5	74	75	811516	821162	<0.2	<0.2	2.0	1.9
						1.0	0.5	286	21.0		8.0		25.0		97.7		7.5		3.0		4		74				<0.2		1.8	
					Middle	4.6	0.5	266	20.4	20.4	8.0	8.0	27.6	27.6	94.8	94.8	7.3		4.4		4		75				<0.2		1.9	
						4.6	0.5	266	20.4		8.0		27.6		94.8		7.3		4.4		4		75				<0.2		2.1	
					Bottom	8.2	0.3	252	20.2	20.2	8.0	8.0	29.2	29.2	94.8	94.9	7.2	7.2	6.6		7		77				<0.2		1.6	
						8.2	0.3	271	20.2		8.0		29.2		94.9		7.2		6.6		5		77				<0.2		1.9	
IM13	Fine	Moderate	11:21	5.1	Surface	1.0	0.2	159	16.9	16.9	7.8	7.8	30.2	30.3	101.8	101.8	8.2	8.2	4.9	5.4	6	7		-	807220	820085	-	-	-	-
						1.0	0.2	159	16.9		7.8		30.3		101.8		8.2		4.9		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.2	126	16.7	16.7	7.8	7.8	30.4	30.4	101.5	101.6	8.2	8.2	5.8		8						-		-	
						4.1	0.2	134	16.7		7.8		30.4		101.6		8.2		5.8		8						-		-	
SR2	Fine	Moderate	12:00	5.6	Surface	1.0	0.3	155	20.9	20.9	8.0	8.0	27.1	27.1	96.2	96.2	7.3	7.3	3.8	4.2	4	6	73	75	814156	821463	<0.2	<0.2	1.6	1.6
						1.0	0.3	159	20.9		8.0		27.1		96.1		7.3		3.4		6		73				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.2	154	20.4	20.4	8.0	8.0	28.4	28.4	94.9	94.9	7.2	7.2	4.8		8		76				<0.2		1.7	
						4.6	0.2	162	20.4		8.0		28.4		94.9		7.2		4.8		6		76				<0.2		1.5	
SR3	Fine	Moderate	10:38	8.7	Surface	1.0	0.3	241	21.4	21.4	8.0	8.0	22.7	22.7	97.9	97.9	7.6	7.6	2.5	4.4	7	6		-	807565	822147	-	-	-	-
						1.0	0.3	243	21.4		8.0		22.7		97.8		7.6		2.5		7						-		-	
					Middle	4.4	0.3	165	20.7	20.7	8.0	8.0	25.2	25.2	96.4	96.5	7.5		4.3		5						-		-	
						4.4	0.3	166	20.7		8.0		25.2		96.5		7.5		4.5		6						-		-	
					Bottom	7.7	0.4	105	20.3	20.3	8.0	8.0	28.5	28.5	96.4	96.4	7.4	7.4	6.4		5						-		-	
						7.7	0.4	110	20.3		8.0		28.5		96.4		7.4		6.4		5						-		-	
SR4A	Fine	Moderate	12:05	9.7	Surface	1.0	0.3	132	17.5	17.5	7.8	7.8	28.9	28.9	105.3	105.3	8.5	8.5	3.3	4.0	8	9		-	807808	817189	-	-	-	-
						1.0	0.3	144	17.4		7.8		28.9		105.2		8.5		3.4		7						-		-	
					Middle	4.9	0.4	100	17.0	17.0	7.8	7.8	29.6	29.6	103.6	103.6	8.4		4.4		8						-		-	
						4.9	0.4	106	17.0		7.8		29.6		103.6		8.4		4.4		8						-		-	
					Bottom	8.7	0.3	104	17.0	17.0	7.8	7.8	29.9	29.9	102.8	102.9	8.3	8.3	4.2		10						-		-	
						8.7	0.3	111	17.0		7.8		29.8		102.9		8.3		4.0		11						-		-	
SR5A	Fine	Calm	12:22	5.6	Surface	1.0	0.4	166	17.5	17.5	7.8	7.8	28.4	28.4	103.9	103.9	8.4	8.4	4.0	4.0	9	9		-	810684	816593	-	-	-	-
						1.0	0.4	176	17.5		7.8		28.4		103.9		8.4		4.1		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.3	158	17.5	17.6	7.8	7.8	28.4	28.4	103.0	103.1	8.3	8.3	3.9		9						-		-	
						4.6	0.3	172	17.6		7.8		28.4		103.1		8.3		3.9		8						-		-	
SR6	Fine	Calm	12:46	5.1	Surface	1.0	0.1	141	17.4	17.4	7.8	7.8	27.1	27.1	103.7	103.7	8.4	8.4	3.4	3.7	6	6		-	814660	817899	-	-	-	-
						1.0	0.1	149	17.3		7.8		27.1		103.7		8.4		3.5		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.2	115	17.2	17.2	7.8	7.8	27.6	27.6	102.4	102.4	8.3	8.3	4.0		7						-		-	
						4.1	0.2	117	17.2		7.8		27.6		102.4		8.3		4.0		7						-		-	
SR7	Fine	Moderate	13:02	19.4	Surface	1.0	0.2	161	20.3	20.3	8.0	8.0	30.3	30.3	94.1	94.1	7.1	7.1	2.2	3.3	5	5		-	823745	823636	-	-	-	-
						1.0	0.2	172	20.3		8.0		30.3		94.1		7.1		2.3		6						-		-	
					Middle	9.7	0.2	174	19.9	19.9	8.0	8.0	31.3	31.3	91.6	91.6	7.0		3.6		3						-		-	
						9.7	0.2	181	19.9		8.0		31.3		91.6		7.0		3.7		5						-		-	
					Bottom	18.4	0.1	126	19.9	19.9	8.0	8.0	31.3	31.3	91.8	91.9	7.0	7.0	4.1		5						-		-	
						18.4	0.2	128	19.9		8.0		31.3		91.9		7.0		3.9		6						-		-	
SR8	Fine	Moderate	11:41	5.8	Surface	1.0	0.3	195	21.3	21.3	8.0	8.0	23.4	23.4	100.2	100.2	7.7	7.7	3.5	5.1	8	6		-	811590	820417	-	-	-	-
						1.0	0.3	200	21.3		8.0		23.4		100.1		7.7		3.5		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.8	0.3	194	20.4	20.4	8.0	8.0	27.1	27.1	95.7	95.8	7.4	7.4	6.8		6						-		-	
						4.8	0.3	208	20.4		8.0		27.1		95.8		7.4		6.7		4						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 April 17 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	06:47	8.8	Surface	1.0	0.4	215	16.8	16.8	7.8	7.8	28.2	28.2	101.5	101.5	8.3	8.3	1.5	2.1	2	3	74	75	804262	815620	<0.2	<0.2	2.1	2.4
						1.0	0.4	219	16.8		7.8		28.2		101.5		8.3		1.5		2		74				<0.2		2.3	
					Middle	4.4	0.3	173	16.7	16.7	7.8	7.8	28.7	28.7	100.9	100.9	8.3		2.3		3		75				<0.2		3.2	
						4.4	0.3	183	16.7		7.8		28.7		100.9		8.3		2.3		2		75				<0.2		3.3	
					Bottom	7.8	0.3	165	16.6	16.6	7.8	7.8	30.8	30.8	100.2	100.2	8.1	8.1	2.5		3		77				<0.2		2.4	
						7.8	0.4	171	16.6		7.8		30.8		100.2		8.1		2.5		4		77				<0.2		0.9	
C2	Fine	Moderate	08:09	11.6	Surface	1.0	0.2	188	20.6	20.6	8.0	8.0	23.1	23.2	92.4	92.5	7.3	7.3	3.6	3.9	6	5	73	75	806942	825682	<0.2	<0.2	3.9	3.8
						1.0	0.2	191	20.6		8.0		23.2		92.5		7.3		3.7		4		73				<0.2		3.7	
					Middle	5.8	0.2	176	20.5	20.5	8.0	8.0	25.9	25.9	92.9	92.9	7.2		3.5		4		76				<0.2		3.8	
						5.8	0.2	193	20.5		8.0		25.9		92.9		7.2		3.4		5		76				<0.2		4.0	
					Bottom	10.6	0.2	218	20.3	20.3	8.0	8.0	28.6	28.6	93.4	93.5	7.1	7.2	4.9		4		77				<0.2		3.8	
						10.6	0.2	221	20.3		8.0		28.5		93.5		7.2		4.5		5		77				<0.2		3.6	
C3	Fine	Moderate	06:01	12.5	Surface	1.0	0.2	120	20.1	20.1	8.0	8.0	28.5	28.5	95.4	95.4	7.3	7.3	2.0	1.7	4	5	72	74	817806	822109	<0.2	<0.2	1.8	1.8
						1.0	0.2	130	20.1		8.0		28.5		95.4		7.3		2.1		3		73				<0.2		1.7	
					Middle	6.3	0.2	114	20.1	20.1	8.0	8.0	29.3	29.4	94.8	94.8	7.2		1.2		4		74				<0.2		1.6	
						6.3	0.2	118	20.1		8.0		29.4		94.8		7.2		1.2		4		74				<0.2		1.6	
					Bottom	11.5	0.2	126	20.1	20.1	8.0	8.0	29.7	29.7	96.1	96.2	7.3	7.3	1.7		7		76				<0.2		1.8	
						11.5	0.2	128	20.1		8.0		29.7		96.2		7.3		1.7		5		76				<0.2		2.0	
IM1	Fine	Moderate	07:28	7.5	Surface	1.0	0.3	162	16.7	16.7	7.8	7.8	28.7	28.7	102.4	102.4	8.4	8.4	2.6	3.5	3	4	75	76	806443	818351	<0.2	<0.2	1.9	1.6
						1.0	0.3	173	16.7		7.8		28.7		102.4		8.4		2.6		5		75				<0.2		1.8	
					Middle	3.8	0.3	169	16.7	16.7	7.8	7.8	29.8	29.8	101.6	101.6	8.3		3.9		3		76				<0.2		1.7	
						3.8	0.3	177	16.7		7.8		29.8		101.6		8.3		4.0		4		77				<0.2		1.7	
					Bottom	6.5	0.3	179	16.6	16.6	7.8	7.8	30.3	30.3	101.9	101.9	8.3	8.3	3.8		5		77				<0.2		1.2	
						6.5	0.3	185	16.6		7.8		30.3		101.9		8.3		3.8		6		77				<0.2		1.3	
IM2	Fine	Moderate	07:37	8.7	Surface	1.0	0.3	156	17.0	17.0	7.8	7.8	26.4	26.5	101.9	101.9	8.4	8.4	1.8	2.5	3	3	74	75	806193	818852	<0.2	<0.2	2.5	2.0
						1.0	0.3	159	17.0		7.8		26.5		101.9		8.4		1.8		2		74				<0.2		2.5	
					Middle	4.4	0.3	132	16.8	16.8	7.8	7.8	28.8	28.8	101.2	101.2	8.3		2.2		2		75				<0.2		1.5	
						4.4	0.3	143	16.8		7.8		28.8		101.2		8.3		2.3		<2		75				<0.2		1.7	
					Bottom	7.7	0.4	157	16.7	16.7	7.8	7.8	30.2	30.2	100.6	100.6	8.1	8.2	3.4		3		76				<0.2		1.9	
						7.7	0.4	161	16.7		7.8		30.1		100.6		8.2		3.4		3		77				<0.2		1.9	
IM3	Fine	Moderate	07:48	8.5	Surface	1.0	0.3	191	17.4	17.4	7.8	7.8	24.0	24.0	100.8	100.8	8.4	8.3	2.7	3.5	3	3	73	75	806016	819411	<0.2	<0.2	2.7	2.0
						1.0	0.3	198	17.4		7.8		24.0		100.8		8.4		2.8		5		73				<0.2		3.0	
					Middle	4.3	0.3	168	16.9	16.9	7.8	7.8	28.5	28.5	100.3	100.3	8.2		3.7		4		74				<0.2		2.2	
						4.3	0.3	180	16.9		7.8		28.5		100.2		8.2		3.6		2		75				<0.2		2.2	
					Bottom	7.5	0.3	140	16.6	16.6	7.8	7.8	30.5	30.5	99.6	99.6	8.1	8.1	4.2		3		76				<0.2		0.8	
						7.5	0.3	147	16.6		7.8		30.5		99.6		8.1		4.2		3		76				<0.2		1.0	
IM4	Fine	Moderate	07:58	8.1	Surface	1.0	0.3	207	17.4	17.4	7.8	7.8	24.0	24.0	100.5	100.5	8.3	8.3	4.2	4.9	4	7	75	76	805052	819570	<0.2	<0.2	2.7	2.5
						1.0	0.3	221	17.4		7.8		24.0		100.5		8.3		4.1		3		75				<0.2		2.8	
					Middle	4.1	0.3	130	17.0	17.0	7.8	7.8	27.7	27.7	100.2	100.2	8.2		5.4		7		76				<0.2		2.7	
						4.1	0.3	132	17.0		7.8		27.6		100.2		8.2		5.5		7		76				<0.2		2.7	
					Bottom	7.1	0.4	116	16.7	16.7	7.8	7.8	30.5	30.5	99.8	99.8	8.1	8.1	5.1		9		78				<0.2		2.1	
						7.1	0.4	122	16.7		7.8		30.5		99.8		8.1		5.1		10		77				<0.2		2.2	
IM5	Fine	Moderate	08:11	7.1	Surface	1.0	0.3	204	17.6	17.6	7.8	7.8	24.6	24.6	100.1	100.1	8.2	8.3	3.4	5.0	3	5	74	75	804936	820564	<0.2	<0.2	2.9	2.5
						1.0	0.3	213	17.6		7.8		24.6		100.1		8.2		3.4		2		74				<0.2		2.7	
					Middle	3.6	0.4	139	17.4	17.4	7.8	7.8	25.3	25.3	100.3	100.3	8.3		4.6		3		75				<0.2		2.7	
						3.6	0.4	140	17.3		7.8		25.3		100.3		8.3		4.7		4		75				<0.2		2.5	
					Bottom	6.1	0.4	134	16.7	16.7	7.8	7.8	30.0	30.0	99.4	99.4	8.1	8.1	7.0		10		76				<0.2		2.2	
						6.1	0.4	146	16.7		7.8		30.0		99.4		8.1		7.0		8		77				<0.2		2.0	
IM6	Fine	Moderate	08:22	7.0	Surface	1.0	0.3	199	17.6	17.6	7.7	7.7	24.2	24.2	99.5	99.5	8.2	8.2	3.9	5.4	7	6	74	75	805826	821060	<0.2	<0.2	2.6	2.6
						1.0	0.3	208	17.6		7.7		24.2		99.5		8.2		3.9		5		74				<0.2		2.6	
					Middle	3.5	0.3	164	17.2	17.2	7.8	7.8	26.2	26.2	99.5	99.5	8.2		5.5		4		75				<0.2		2.8	
						3.5	0.3	176	17.2		7.8		26.2		99.5		8.2		5.4		5		75				<0.2		2.8	
					Bottom	6.0	0.4	104	16.7	16.7	7.8	7.8	29.9	29.9	99.0	99.1	8.0	8.0	6.8		8		76				<0.2		2.3	
						6.0	0.4	114	16.7		7.8		29.9		99.1		8.0		6.8		7		77				<0.2		2.4	
IM7	Fine	Moderate	08:30	7.5	Surface	1.0	0.3	231	17.8	17.8	7.7	7.7	23.1	23.1	99.6	99.6	8.2	8.3	3.1	4.2	4	6	76	77	806846	821349	<0.2	<0.2	3.3	2.7
						1.0	0.3	247	17.8		7.7		23.1		99.6		8.2		3.1		6		76				<0.2		3.2	
					Middle	3.8	0.3	129	17.4	17.4	7.8	7.8	24.4	24.4	99.6	99.6	8.3		4.3		6		77				<0.2		2.4	
						3.8	0.3	131	17.3		7.8		24.4		99.6		8.3		4.3		6		77				<0.2		2.4	
					Bottom	6.5	0.4	85	16.9	16.9	7.8	7.8	29.3	29.4	98.9	99.0	8.0	8.0	5.3		8		78				<0.2		2.3	
						6.5	0.4	87	16.9		7.8		29.4		99.0		8.0		5.2		6		78				<0.2		2.3	
IM8	Fine	Moderate	07:34	9.8	Surface	1.0	0.3	225	21.0	21.0	8.0	8.0	21.9	21.9	94.9	94.9	7.4	7.4	3.6	4.1	4	4	75	76	807844	821695	<0.2	<0.2	3.1	3.2
						1.0	0.3	242	21.0		8.0		21.9		94.9		7.4		3.6		3		75				<0.2		3.3	
					Middle	4.9	0.2	182	20.6	20.6	8.0	8.0	26.2	26.2	95.2	95.3	7.3		4.0		5		76				<0.2		3.3	
						4.9	0.2	183	20.6		8.0		26.2		95.3		7.4		3.9		5		76				<0.2		3.4	
					Bottom	8.8	0.3	156	20.3	20.4	7.9	7.9	28.9	28.9	96.1	96.1	7.3	7.3	5.0		4		77				<0.2		3.1	
						8.8	0.3	169	20.4		7.9		28.9		96.1		7.3		4.7		3		77				<0.2		3.1	

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

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

Water Quality Monitoring Results on 04 April 17 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	07:24	7.2	Surface	1.0	0.3	170	21.1	21.1	8.0	8.0	22.6	22.6	95.2	95.2	7.4	7.3	2.8	3.4	<2	3	74	76	808794	822094	<0.2	<0.2	3.0	3.1
						1.0	0.4	185	21.1		8.0		22.6		95.2		7.4		2.9		2		74				<0.2		3.0	
					Middle	3.6	0.3	163	20.6	20.6	8.0	8.0	26.0	26.0	93.9	93.9	7.2		4.0		4		76				<0.2		3.2	
						3.6	0.3	175	20.6		8.0		26.0		93.9		7.2		4.0		3		75				<0.2		3.1	
					Bottom	6.2	0.2	152	20.5	20.5	8.0	8.0	26.7	26.7	94.3	94.3	7.3	7.3	3.3		3		77				<0.2		3.1	
						6.2	0.3	154	20.5		8.0		26.7		94.3		7.3		3.4		3		77				<0.2		3.2	
IM10	Fine	Moderate	07:15	7.3	Surface	1.0	0.3	140	20.9	20.9	8.0	8.0	24.0	24.0	94.9	94.9	7.4	7.4	2.9	5.8	5	4	73	76	809818	822240	<0.2	<0.2	2.1	2.4
						1.0	0.3	149	20.9		8.0		24.0		94.8		7.4		2.7		3		74				<0.2		2.0	
					Middle	3.7	0.3	135	20.6	20.6	8.0	8.0	26.0	26.0	94.6	94.7	7.3		3.9		4		75				<0.2		2.5	
						3.7	0.3	136	20.6		8.0		26.0		94.7		7.3		4.0		3		76				<0.2		2.7	
					Bottom	6.3	0.3	230	20.3	20.3	8.1	8.1	28.1	28.1	95.3	95.3	7.3	7.3	10.5		3		77				<0.2		2.6	
						6.3	0.3	247	20.3		8.1		28.1		95.3		7.3		10.5		4		78				<0.2		2.6	
IM11	Fine	Moderate	07:03	6.7	Surface	1.0	0.3	146	20.9	20.9	8.0	8.0	24.1	24.1	95.5	95.5	7.4	7.4	2.3	3.3	3	2	73	76	810560	821501	<0.2	<0.2	2.9	2.7
						1.0	0.3	155	20.9		8.0		24.1		95.5		7.4		2.4		3		74				<0.2		2.7	
					Middle	3.4	0.3	136	20.7	20.7	8.0	8.0	24.7	24.7	94.8	94.8	7.4		3.6		2		75				<0.2		2.9	
						3.4	0.3	139	20.7		8.0		24.7		94.8		7.4		3.7		2		76				<0.2		2.8	
					Bottom	5.7	0.2	133	20.5	20.5	8.0	8.0	26.9	26.9	95.3	95.4	7.3	7.3	4.0		2		77				<0.2		2.4	
						5.7	0.3	144	20.5		8.0		26.8		95.4		7.3		3.8		2		78				<0.2		2.4	
IM12	Fine	Moderate	06:54	9.0	Surface	1.0	0.3	124	20.8	20.8	8.0	8.0	23.7	23.7	95.2	95.2	7.4	7.5	4.3	3.5	3	3	73	75	811508	821162	<0.2	<0.2	3.0	2.9
						1.0	0.3	130	20.8		8.0		23.7		95.2		7.4		4.4		3		73				<0.2		2.9	
					Middle	4.5	0.3	124	20.7	20.7	8.0	8.0	24.1	24.1	95.8	95.9	7.5		3.3		2		75				<0.2		2.9	
						4.5	0.3	134	20.7		8.0		24.1		95.9		7.5		3.4		<2		76				<0.2		2.8	
					Bottom	8.0	0.2	183	20.5	20.5	8.0	8.0	27.2	27.2	96.6	96.7	7.4	7.4	2.9		3		77				<0.2		2.8	
						8.0	0.3	192	20.5		7.9		27.2		96.7		7.4		2.9		3		77				<0.2		2.7	
IM13	Fine	Moderate	07:15	4.6	Surface	1.0	0.2	150	16.7	16.7	7.8	7.8	28.8	28.8	102.5	102.5	8.4	8.4	1.6	1.7	3	3		-	807199	820085	-	-	-	-
						1.0	0.2	163	16.7		7.8		28.8		102.5		8.4		1.6		2						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.2	162	16.7	16.7	7.8	7.8	29.3	29.3	102.2	102.2	8.3	8.3	1.8		5						-		-	
						3.6	0.2	170	16.7		7.8		29.3		102.2		8.3		1.9		3						-		-	
SR2	Fine	Moderate	06:26	5.1	Surface	1.0	0.3	85	20.8	20.8	8.0	8.0	24.0	24.0	97.4	97.4	7.6	7.6	1.9	1.6	3	3	73	74	814158	821463	<0.2	<0.2	3.0	3.0
						1.0	0.3	85	20.8		8.0		24.0		97.4		7.6		2.0		4		73				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.3	79	20.7	20.7	8.0	8.0	25.3	25.3	98.8	98.9	7.6	7.7	1.2		3		75				<0.2		3.1	
						4.1	0.3	80	20.7		8.0		25.3		98.9		7.7		1.2		3		76				<0.2		3.1	
SR3	Fine	Moderate	07:44	8.8	Surface	1.0	0.2	198	20.9	20.9	8.0	8.0	23.4	23.4	94.9	94.9	7.4	7.4	3.1	5.4	3	4		-	807577	822147	-	-	-	-
						1.0	0.3	212	20.9		8.0		23.4		94.8		7.4		3.2		3						-		-	
					Middle	4.4	0.3	206	20.5	20.5	8.0	8.0	26.8	26.8	96.0	96.1	7.4		6.3		5						-		-	
						4.4	0.3	225	20.5		8.0		26.8		96.1		7.4		6.3		4						-		-	
					Bottom	7.8	0.3	163	20.3	20.3	8.0	8.0	29.0	29.0	96.3	96.3	7.4	7.4	6.8		3						-		-	
						7.8	0.3	164	20.3		8.0		29.0		96.3		7.4		6.7		3						-		-	
SR4A	Fine	Moderate	06:25	9.2	Surface	1.0	0.2	171	16.7	16.7	7.8	7.8	29.3	29.3	99.7	99.7	8.1	8.1	4.6	5.5	6	8		-	807817	817189	-	-	-	-
						1.0	0.3	186	16.7		7.8		29.3		99.7		8.1		4.7		6						-		-	
					Middle	4.6	0.3	132	16.6	16.6	7.8	7.8	29.7	29.7	99.3	99.3	8.1		5.7		8						-		-	
						4.6	0.3	142	16.6		7.8		29.7		99.3		8.1		5.7		6						-		-	
					Bottom	8.2	0.2	152	16.6	16.6	7.8	7.8	30.0	30.0	99.2	99.3	8.1	8.1	6.2		10						-		-	
						8.2	0.2	159	16.6		7.8		30.0		99.3		8.1		6.2		9						-		-	
SR5A	Fine	Calm	06:08	4.2	Surface	1.0	0.1	281	17.1	17.1	7.8	7.8	28.0	28.0	100.1	100.1	8.1	8.1	3.2	3.9	6	7		-	810691	816593	-	-	-	-
						1.0	0.1	286	17.1		7.8		28.0		100.0		8.1		3.2		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.2	0.2	269	17.0	17.0	7.8	7.8	28.1	28.1	99.6	99.6	8.1	8.1	4.5		7						-		-	
						3.2	0.2	271	17.0		7.8		28.1		99.6		8.1		4.5		8						-		-	
SR6	Fine	Calm	05:42	4.1	Surface	1.0	0.1	211	16.9	16.9	7.7	7.7	27.6	27.6	98.6	98.6	8.1	8.1	3.0	3.2	6	6		-	814655	817899	-	-	-	-
						1.0	0.1	231	16.9		7.7		27.6		98.6		8.1		3.0		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.1	0.1	202	16.9	16.9	7.7	7.7	27.8	27.8	99.1	99.1	8.1	8.1	3.4		7						-		-	
						3.1	0.1	204	16.9		7.7		27.8		99.1		8.1		3.4		8						-		-	
SR7	Fine	Moderate	05:23	16.8	Surface	1.0	0.2	188	20.0	20.0	8.0	8.0	30.1	30.1	92.9	92.9	7.1	7.1	2.2	2.2	8	8		-	823744	823636	-	-	-	-
						1.0	0.2	198	20.0		8.0		30.1		92.9		7.1		2.3		9						-		-	
					Middle	8.4	0.2	114	20.0	20.0	8.0	8.0	30.3	30.3	92.2	92.2	7.0		2.3		10						-		-	
						8.4	0.2	118	20.0		8.0		30.3		92.2		7.0		2.1		12						-		-	
					Bottom	15.8	0.2	123	20.0	20.0	8.0	8.0	30.3	30.3	92.0	92.0	7.0	7.0	2.1		6						-		-	
						15.8	0.2	124	20.0		8.0		30.3		92.0		7.0		2.1		5						-		-	
SR8	Fine	Moderate	06:45	5.1	Surface	1.0	0.1	200	20.8	20.8	8.0	8.0	22.9	22.9	97.3	97.3	7.6	7.6	2.3	2.4	9	7		-	811599	820417	-	-	-	-
						1.0	0.1	208	20.8		8.0		22.9		97.3		7.6		2.3		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.1	258	20.6	20.6	8.0	8.0	23.0	23.0	97.7	97.7	7.7	7.7	2.4		6						-		-	
						4.1	0.1	278	20.6		8.0		23.0		97.7		7.7		2.5		7						-		-	

DA: Depth-Averaged

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

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 April 17 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 (^{o}C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Calm	15:05	8.8	Surface	1.0	0.3	121	17.8	17.8	7.8	7.8	23.6	23.6	106.9	106.8	8.8	8.6	1.6	2.5	4	8	75	76	804231	815620	<0.2	<0.2	2.0	1.9
						1.0	0.3	133	17.8		7.8		23.6		106.7		8.8		1.5		6		75				<0.2		2.1	
					Middle	4.4	0.3	121	17.0	17.0	7.8	7.8	26.4	26.5	101.6	101.6	8.4		2.8		9		76				<0.2		2.6	
						4.4	0.3	130	17.0		7.8		26.5		101.5		8.4		2.9		7		77				<0.2		2.4	
					Bottom	7.8	0.3	115	16.9	16.9	7.8	7.8	26.3	26.3	99.4	99.4	8.2	8.2	3.2		10		77				<0.2		1.2	
						7.8	0.3	121	16.9		7.8		26.3		99.4		8.2		3.1		11		77				<0.2		1.1	
C2	Cloudy	Moderate	13:41	13.1	Surface	1.0	0.5	204	22.0	22.0	8.0	8.0	19.8	19.8	102.0	102.0	8.0	7.6	1.8	2.7	6	7	74	75	806930	825682	<0.2	<0.2	4.8	4.7
						1.0	0.5	214	22.0		8.0		19.8		101.9		8.0		1.8		8		74				<0.2		4.7	
					Middle	6.6	0.2	179	20.9	20.9	8.0	8.0	25.8	25.8	93.7	93.7	7.2		2.2		7		75				<0.2		4.8	
						6.6	0.3	192	20.9		8.0		25.8		93.7		7.2		2.3		8		75				<0.2		4.9	
					Bottom	12.1	0.2	128	20.5	20.5	8.0	8.0	27.9	27.9	93.0	93.1	7.1	7.1	3.9		6		76				<0.2		4.5	
						12.1	0.2	134	20.5		8.0		27.9		93.1		7.1		4.0		8		76				<0.2		4.5	
C3	Cloudy	Moderate	15:54	10.9	Surface	1.0	0.2	220	21.1	21.1	8.0	8.0	27.7	27.7	104.8	104.8	7.9	7.7	1.1	2.1	5	5	73	75	817817	822109	<0.2	<0.2	3.5	3.4
						1.0	0.2	232	21.1		8.0		27.7		104.8		7.9		1.1		3		73				<0.2		3.7	
					Middle	5.5	0.3	255	20.7	20.7	8.0	8.0	29.0	29.0	97.6	97.6	7.4		1.3		5		75				<0.2		3.1	
						5.5	0.3	266	20.7		8.0		29.0		97.5		7.4		1.2		7		75				<0.2		3.1	
					Bottom	9.9	0.3	289	20.2	20.2	8.0	8.0	31.0	31.0	94.1	94.2	7.1	7.1	3.9		5		77				<0.2		3.6	
						9.9	0.4	291	20.2		8.0		31.0		94.2		7.1		3.8		3		77				<0.2		3.3	
IM1	Cloudy	Calm	14:37	7.5	Surface	1.0	0.3	179	17.8	17.8	7.8	7.8	24.0	24.0	108.8	108.8	9.0	8.8	1.4	2.5	4	9	74	75	806445	818351	<0.2	<0.2	3.4	2.4
						1.0	0.3	195	17.8		7.8		24.0		108.8		9.0		1.4		7		74				<0.2		3.3	
					Middle	3.8	0.2	178	17.3	17.3	7.8	7.8	25.1	25.1	103.6	103.5	8.6		3.0		10		75				<0.2		1.8	
						3.8	0.2	185	17.3		7.8		25.1		103.4		8.6		3.1		12		75				<0.2		1.9	
					Bottom	6.5	0.3	124	17.2	17.2	7.8	7.8	25.7	25.7	101.2	101.2	8.4	8.4	3.0		11		76				<0.2		1.7	
						6.5	0.3	129	17.2		7.8		25.7		101.1		8.3		2.9		9		76				<0.2		2.0	
IM2	Cloudy	Calm	14:29	8.4	Surface	1.0	0.3	182	18.1	18.1	7.8	7.8	22.0	22.0	106.1	106.1	8.8	8.6	2.1	2.6	5	8	74	75	806188	818852	<0.2	<0.2	2.3	2.2
						1.0	0.3	194	18.1		7.8		22.0		106.0		8.8		2.1		6		74				<0.2		2.5	
					Middle	4.2	0.3	173	17.2	17.2	7.8	7.8	25.2	25.2	101.5	101.5	8.4		3.0		11		75				<0.2		2.4	
						4.2	0.3	184	17.2		7.8		25.2		101.4		8.4		3.0		9		75				<0.2		2.2	
					Bottom	7.4	0.3	125	17.2	17.2	7.7	7.7	25.0	25.0	98.9	98.9	8.2	8.2	2.8		9		76				<0.2		1.7	
						7.4	0.3	134	17.2		7.7		24.9		98.9		8.2		2.7		9		76				<0.2		1.8	
IM3	Cloudy	Calm	14:21	8.7	Surface	1.0	0.3	200	17.7	17.7	7.8	7.8	22.6	22.6	103.5	103.5	8.6	8.5	3.1	4.2	8	10	75	75	806026	819411	<0.2	<0.2	2.5	2.1
						1.0	0.3	217	17.7		7.8		22.6		103.4		8.6		3.0		10		75				<0.2		2.4	
					Middle	4.4	0.3	159	17.1	17.1	7.8	7.8	25.4	25.4	100.1	100.1	8.3		4.5		11		75				<0.2		2.1	
						4.4	0.3	173	17.1		7.8		25.4		100.1		8.3		4.5		12		75				<0.2		2.1	
					Bottom	7.7	0.3	140	17.1	17.1	7.8	7.8	25.1	25.1	98.9	98.9	8.2	8.2	5.1		9		76				<0.2		1.6	
						7.7	0.3	145	17.1		7.8		25.1		98.9		8.2		5.1		10		76				<0.2		1.7	
IM4	Cloudy	Calm	14:11	8.1	Surface	1.0	0.3	167	18.2	18.2	7.8	7.8	20.7	20.7	105.3	105.2	8.8	8.7	2.4	3.1	7	8	75	76	805026	819570	<0.2	<0.2	3.0	2.4
						1.0	0.3	174	18.1		7.8		20.7		105.1		8.8		2.4		6		75				<0.2		3.0	
					Middle	4.1	0.3	170	17.4	17.4	7.8	7.8	23.3	23.3	102.0	102.0	8.5		3.3		6		76				<0.2		2.6	
						4.1	0.3	186	17.4		7.8		23.2		102.0		8.5		3.3		8		77				<0.2		2.5	
					Bottom	7.1	0.3	145	17.1	17.1	7.8	7.8	24.9	24.9	99.9	99.9	8.3	8.3	3.7		10		77				<0.2		1.6	
						7.1	0.3	147	17.1		7.8		24.9		99.8		8.3		3.6		11		77				<0.2		1.7	
IM5	Cloudy	Calm	14:00	6.7	Surface	1.0	0.3	187	17.9	17.9	7.8	7.8	21.4	21.4	104.1	104.0	8.7	8.6	3.6	5.2	3	8	73	74	804918	820564	<0.2	<0.2	2.9	2.2
						1.0	0.3	203	17.9		7.8		21.4		103.9		8.7		3.7		5		73				<0.2		2.6	
					Middle	3.4	0.3	179	17.3	17.3	7.8	7.8	22.1	22.2	101.3	101.3	8.5		5.3		9		74				<0.2		2.5	
						3.4	0.3	183	17.3		7.8		22.2		101.2		8.5		5.5		8		74				<0.2		2.6	
					Bottom	5.7	0.3	186	17.1	17.1	7.7	7.7	24.4	24.4	99.9	99.9	8.3	8.3	6.6		11		75				<0.2		1.2	
						5.7	0.3	200	17.1		7.7		24.4		99.9		8.3		6.6		12		75				<0.2		1.2	
IM6	Cloudy	Calm	13:51	6.9	Surface	1.0	0.4	207	17.9	17.9	7.8	7.8	20.8	20.8	101.5	101.5	8.5	8.4	4.8	6.1	10	10	74	75	805834	821060	<0.2	<0.2	2.4	2.1
						1.0	0.4	208	17.8		7.8		20.8		101.4		8.5		4.9		10		74				<0.2		2.5	
					Middle	3.5	0.3	199	17.5	17.5	7.8	7.8	22.2	22.2	99.4	99.4	8.3		6.5		6		75				<0.2		2.4	
						3.5	0.4	207	17.5		7.8		22.2		99.3		8.3		6.6		7		75				<0.2		2.4	
					Bottom	5.9	0.4	183	17.2	17.2	7.7	7.7	23.6	23.6	98.1	98.2	8.2	8.2	6.9		14		76				<0.2		1.4	
						5.9	0.4	200	17.2		7.7		23.5		98.2		8.2		6.6		12		76				<0.2		1.3	
IM7	Cloudy	Calm	13:42	8.0	Surface	1.0	0.3	197	18.1	18.1	7.8	7.8	20.0	20.0	103.1	103.0	8.6	8.5	3.0	4.4	6	7	76	76	806849	821349	<0.2	<0.2	3.0	3.1
						1.0	0.4	205	18.1		7.8		20.0		102.9		8.6		3.1		4		75				<0.2		3.3	
					Middle	4.0	0.3	173	17.4	17.4	7.7	7.7	22.3	22.3	99.6	99.6	8.4		4.9		5		76				<0.2		3.5	
						4.0	0.3	173	17.4		7.7		22.3		99.6		8.4		5.0		7		76				<0.2		3.6	
					Bottom	7.0	0.4	142	17.3	17.4	7.7	7.7	22.0	22.0	99.0	99.0	8.3	8.3	5.2		10		77				<0.2		2.6	
						7.0	0.4	149	17.4		7.7		21.9		99.0		8.3		5.1		9		77				<0.2		2.6	
IM8	Cloudy	Moderate	14:11	9.6	Surface	1.0	0.3	217	21.7	21.7	8.1	8.1	22.3	22.3	105.0	105.0	8.1	7.9	3.0	3.5	7	7	74	75	807830	821695	<0.2	<0.2	1.9	2.1
						1.0	0.3	229	21.7		8.1		22.3		104.9		8.1		3.0		9		74				<0.2		2.0	
					Middle	4.8	0.3	230	20.9	20.9	8.1	8.1	26.0	26.0	100.8	100.9	7.7		3.3		8		75				<0.2		2.3	
						4.8	0.3	233	20.9		8.1		26.0		100.9		7.7		3.3		6		75				<0.2		2.4	
					Bottom	8.6	0.3	118	20.7	20.7	8.2	8.2	28.0	28.0	101.5	101.5	7.7	7.7	4.1		6		77				<0.2		1.8	
						8.6	0.3	120	20.7		8.2		28.0		101.4		7.7		4.2		5		77				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	14:19	8.4	Surface	1.0	0.3	211	22.0	22.0	8.0	8.0	22.5	22.5	104.0	103.9	8.0	7.8	2.4	3.4	5	5	73	75	808805	822094	<0.2	<0.2	1.8	1.8
						1.0	0.3	227	22.0		8.0		22.5		103.7		8.0		2.5		4		74				<0.2		1.9	
					Middle	4.2	0.3	183	21.0	21.0	8.0	8.0	24.9	24.9	97.2	97.2	7.5		3.7		4		75				<0.2		1.8	
						4.2	0.3	190	21.0		8.0		24.9		97.1		7.5		3.4		5		75				<0.2		1.9	
					Bottom	7.4	0.3	174	20.8	20.8	8.0	8.0	26.6	26.6	96.6	96.6	7.4	7.4	4.2		4		77				<0.2		1.7	
						7.4	0.3	190	20.8		8.0		26.6		96.6		7.4		4.3		6		77				<0.2		1.7	
IM10	Cloudy	Moderate	14:29	8.7	Surface	1.0	0.4	227	21.7	21.7	8.0	8.0	23.3	23.3	103.2	103.2	7.9	7.8	2.4	4.7	4	4	74	76	809842	822240	<0.2	<0.2	1.5	1.5
						1.0	0.4	237	21.7		8.0		23.3		103.1		7.9		2.5		4		74				<0.2		1.7	
					Middle	4.4	0.3	201	20.9	20.9	8.1	8.1	26.2	26.2	98.6	98.6	7.6		4.7		4		76				<0.2		1.4	
						4.4	0.3	217	20.9		8.1		26.2		98.6		7.6		4.5		4		76				<0.2		1.5	
					Bottom	7.7	0.3	226	20.8	20.8	8.1	8.1	27.5	27.5	98.1	98.1	7.5	7.5	6.9		4		77				<0.2		1.6	
						7.7	0.3	238	20.8		8.1		27.5		98.0		7.5		7.1		4		78				<0.2		1.5	
IM11	Cloudy	Moderate	14:45	9.9	Surface	1.0	0.3	245	21.6	21.6	8.1	8.1	23.9	23.9	102.1	102.0	7.8	7.5	2.7	3.9	6	5	74	75	810526	821501	<0.2	<0.2	2.2	2.5
						1.0	0.4	264	21.5		8.1		23.9		101.9		7.8		2.5		4		74				<0.2		2.2	
					Middle	5.0	0.4	260	20.8	20.8	8.0	8.0	27.8	27.8	94.4	94.4	7.2		4.8		5		75				<0.2		2.6	
						5.0	0.4	283	20.8		8.0		27.8		94.3		7.2		4.9		4		75				<0.2		2.6	
					Bottom	8.9	0.4	260	20.5	20.5	8.0	8.0	29.3	29.3	95.9	96.0	7.3	7.3	4.3		5		77				<0.2		2.7	
						8.9	0.4	276	20.5		8.0		29.3		96.1		7.3		4.4		4		77				<0.2		2.7	
IM12	Cloudy	Moderate	15:10	10.2	Surface	1.0	0.3	258	21.2	21.2	8.0	8.0	25.7	25.7	98.4	98.1	7.5	7.3	2.8	4.3	4	5	74	75	811521	821162	<0.2	<0.2	3.0	3.2
						1.0	0.3	282	21.2		8.0		25.7		97.8		7.5		2.7		4		74				<0.2		3.1	
					Middle	5.1	0.4	267	20.7	20.7	8.0	8.0	28.1	28.1	93.1	93.1	7.1		3.3		6		74				<0.2		2.8	
						5.1	0.4	291	20.7		8.0		28.1		93.1		7.1		3.4		6		75				<0.2		3.0	
					Bottom	9.2	0.3	251	20.4	20.4	8.0	8.0	29.5	29.5	91.7	91.8	7.0	7.0	6.7		6		77				<0.2		3.4	
						9.2	0.4	255	20.4		8.0		29.5		91.8		7.0		6.9		6		77				<0.2		3.6	
IM13	Cloudy	Calm	14:44	5.2	Surface	1.0	0.2	188	17.8	17.8	7.8	7.8	24.0	24.0	102.1	102.0	8.4	8.4	2.7	3.2	3	6		-	807185	820085	-	-	-	-
						1.0	0.2	198	17.8		7.8		24.0		101.9		8.4		2.8		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.2	177	17.4	17.4	7.7	7.7	24.2	24.2	99.6	99.7	8.3	8.3	3.7		8						-		-	
						4.2	0.2	191	17.4		7.7		24.1		99.8		8.3		3.7		7						-		-	
SR2	Cloudy	Moderate	15:01	6.1	Surface	1.0	0.3	310	21.4	21.4	8.1	8.1	25.0	25.0	101.3	101.3	7.8	7.8	5.8	7.5	6	9	74	75	814172	821463	<0.2	<0.2	2.3	2.1
						1.0	0.3	328	21.4		8.1		25.0		101.3		7.7		5.8		9		74				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	5.1	0.1	181	21.0	21.0	8.0	8.0	26.6	26.6	99.0	99.0	7.6	7.6	9.1		12		75				<0.2		2.0	
						5.1	0.1	192	21.0		8.0		26.6		99.0		7.6		9.1		10		76				<0.2		1.9	
SR3	Cloudy	Moderate	14:03	10.1	Surface	1.0	0.3	208	21.7	21.7	8.1	8.1	22.2	22.2	103.1	103.1	8.0	7.8	3.2	4.6	9	5		-	807551	822147	-	-	-	-
						1.0	0.3	216	21.7		8.1		22.2		103.1		8.0		3.3		8						-		-	
					Middle	5.1	0.3	216	20.9	20.9	8.1	8.1	26.3	26.3	99.8	99.8	7.6		4.8		<2						-		-	
						5.1	0.4	226	20.9		8.1		26.3		99.8		7.7		5.0		2						-		-	
					Bottom	9.1	0.3	133	20.6	20.7	8.1	8.1	28.5	28.5	99.7	99.7	7.6	7.6	5.6		4						-		-	
						9.1	0.4	145	20.7		8.1		28.5		99.7		7.6		5.6		6						-		-	
SR4A	Cloudy	Calm	15:27	9.5	Surface	1.0	0.3	207	17.8	17.8	7.8	7.8	24.9	24.9	104.9	104.9	8.6	8.6	5.4	5.3	7	7		-	807807	817189	-	-	-	-
						1.0	0.3	216	17.8		7.8		24.9		104.8		8.6		5.4		7						-		-	
					Middle	4.8	0.3	212	17.6	17.6	7.8	7.8	24.9	24.9	102.9	102.9	8.5		5.3		7						-		-	
						4.8	0.3	227	17.6		7.8		24.9		102.8		8.5		5.3		6						-		-	
					Bottom	8.5	0.2	181	17.3	17.3	7.8	7.8	25.1	25.1	100.0	100.0	8.3	8.3	5.1		6						-		-	
						8.5	0.3	193	17.3		7.8		25.0		99.9		8.3		5.2		7						-		-	
SR5A	Cloudy	Calm	15:45	5.1	Surface	1.0	0.1	259	18.1	18.1	7.8	7.8	24.7	24.7	104.6	104.6	8.5	8.5	3.8	3.9	5	6		-	810706	816593	-	-	-	-
						1.0	0.1	277	18.1		7.8		24.7		104.5		8.5		3.7		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.1	269	17.9	17.9	7.7	7.7	23.6	23.6	99.6	99.6	8.2	8.2	4.1		6						-		-	
						4.1	0.1	295	17.9		7.7		23.6		99.5		8.2		4.1		6						-		-	
SR6	Cloudy	Calm	16:09	4.5	Surface	1.0	0.2	233	18.0	18.0	7.8	7.8	22.7	22.7	103.7	103.7	8.6	8.6	9.0	11.1	10	15		-	814655	817899	-	-	-	-
						1.0	0.2	235	18.0		7.8		22.7		103.6		8.6		9.2		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.1	222	17.9	17.9	7.7	7.7	22.1	22.1	99.5	99.5	8.3	8.3	13.2		20						-		-	
						3.5	0.1	225	17.9		7.7		22.0		99.4		8.3		13.0		21						-		-	
SR7	Cloudy	Moderate	16:28	17.9	Surface	1.0	0.3	205	20.5	20.5	8.0	8.0	30.0	30.1	95.7	95.7	7.2	7.1	1.6	2.3	2	2		-	823752	823636	-	-	-	-
						1.0	0.3	216	20.5		8.0		30.1		95.7		7.2		1.7		<2						-		-	
					Middle	9.0	0.3	164	20.2	20.2	8.0	8.0	30.8	30.8	92.8	92.8	7.0		2.7		<2						-		-	
						9.0	0.3	166	20.2		8.0		30.8		92.8		7.0		2.8		<2						-		-	
					Bottom	16.9	0.1	169	20.2	20.2	8.0	8.0	31.4	31.4	92.3	92.3	7.0	7.0	2.4		2						-		-	
						16.9	0.1	182	20.2		8.0		31.4		92.3		7.0		2.5		<2						-		-	
SR8	Cloudy	Moderate	15:28	6.3	Surface	1.0	0.2	180	21.0	21.0	8.0	8.0	27.5	27.5	94.9	94.8	7.2	7.2	5.1	9.5	3	4		-	811575	820417	-	-	-	-
						1.0	0.2	181	21.0		8.0		27.5		94.7		7.2		5.2		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	5.3	0.2	213	20.7	20.7	8.0	8.0	28.8	28.8	95.3	95.4	7.2	7.2	13.8		5						-		-	
						5.3	0.3	218	20.7		8.0		28.8		95.4		7.2		13.8		4						-		-	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Calm	09:53	8.6	Surface	1.0	0.3	215	17.4	17.4	7.8	7.8	23.8	23.8	104.7	104.6	8.7	8.6	2.0	3.2	4	4	75	76	804246	815620	<0.2	<0.2	2.2	1.7
						1.0	0.3	226	17.3		7.8		23.8		104.5		8.7		2.0		6		74				<0.2		2.4	
					Middle	4.3	0.3	192	17.0	17.0	7.8	7.8	26.0	26.0	102.3	102.3	8.5		2.8		<2		75				<0.2		2.2	
						4.3	0.3	207	17.0		7.8		26.0		102.2		8.4		2.9		<2		76				<0.2		2.1	
					Bottom	7.6	0.3	188	16.9	16.9	7.8	7.8	25.6	25.6	100.4	100.4	8.3	8.3	4.6		5		77				<0.2		0.7	
						7.6	0.3	192	16.9		7.8		25.6		100.4		8.3		4.6		4		77				<0.2		0.7	
C2	Cloudy	Moderate	11:34	12.5	Surface	1.0	0.3	203	21.5	21.5	8.0	8.0	21.3	21.3	95.9	95.9	7.5	7.3	2.4	4.0	2	3	74	75	806954	825682	<0.2	<0.2	2.4	3.0
						1.0	0.3	210	21.5		8.0		21.3		95.8		7.5		2.5		<2		75				<0.2		2.6	
					Middle	6.3	0.3	164	20.7	20.7	8.0	8.0	27.7	27.7	92.1	92.1	7.0		3.7		2		75				<0.2		3.3	
						6.3	0.3	172	20.7		8.0		27.7		92.1		7.0		3.8		3		75				<0.2		3.1	
					Bottom	11.5	0.3	155	20.4	20.4	8.0	8.0	29.4	29.4	91.8	91.8	7.0	7.0	5.7		4		76				<0.2		3.2	
						11.5	0.3	161	20.4		8.0		29.4		91.8		7.0		5.7		3		76				<0.2		3.4	
C3	Cloudy	Moderate	09:14	13.5	Surface	1.0	0.2	92	20.6	20.6	8.0	8.0	29.4	29.4	97.0	97.0	7.3	7.3	1.3	2.4	2	2	72	74	817819	822109	<0.2	<0.2	1.6	1.4
						1.0	0.2	95	20.6		8.0		29.4		97.0		7.3		1.3		3		72				<0.2		1.4	
					Middle	6.8	0.1	148	20.3	20.3	8.0	8.0	30.4	30.4	95.1	95.2	7.2		1.8		2		73				<0.2		1.4	
						6.8	0.1	153	20.3		8.0		30.4		95.2		7.2		1.6		2		74				<0.2		1.5	
					Bottom	12.5	0.2	191	20.3	20.3	8.0	8.0	30.6	30.6	94.5	94.5	7.1	7.1	4.1		<2		75				<0.2		1.4	
						12.5	0.2	191	20.3		8.0		30.6		94.5		7.1		4.2		<2		75				<0.2		1.3	
IM1	Cloudy	Calm	10:24	7.4	Surface	1.0	0.3	219	17.5	17.5	7.8	7.8	23.7	23.7	104.7	104.7	8.7	8.6	2.2	3.1	3	6	74	76	806476	818351	<0.2	<0.2	1.8	1.5
						1.0	0.4	221	17.5		7.8		23.7		104.6		8.7		2.2		5		74				<0.2		1.8	
					Middle	3.7	0.3	208	17.1	17.1	7.8	7.8	25.6	25.6	102.4	102.4	8.5		3.3		7		76				<0.2		1.4	
						3.7	0.3	216	17.1		7.8		25.6		102.4		8.5		3.3		5		75				<0.2		1.4	
					Bottom	6.4	0.3	186	17.1	17.1	7.8	7.8	24.8	24.8	100.5	100.5	8.4	8.4	3.7		6		77				<0.2		1.4	
						6.4	0.3	186	17.1		7.8		24.7		100.4		8.4		3.6		7		77				<0.2		1.4	
IM2	Cloudy	Calm	10:31	8.4	Surface	1.0	0.3	155	17.6	17.6	7.8	7.8	23.5	23.5	105.9	105.9	8.8	8.7	1.5	2.4	4	8	75	76	806191	818852	<0.2	<0.2	1.9	1.5
						1.0	0.3	157	17.6		7.8		23.5		105.8		8.8		1.5		4		75				<0.2		1.6	
					Middle	4.2	0.2	162	17.2	17.2	7.8	7.8	25.2	25.2	103.7	103.7	8.6		2.1		8		76				<0.2		1.5	
						4.2	0.2	168	17.2		7.8		25.1		103.6		8.6		2.2		10		76				<0.2		1.4	
					Bottom	7.4	0.3	170	17.1	17.1	7.8	7.8	25.1	25.1	100.6	100.6	8.3	8.3	3.5		11		77				<0.2		1.2	
						7.4	0.3	175	17.1		7.8		25.1		100.6		8.3		3.4		11		78				<0.2		1.5	
IM3	Cloudy	Calm	10:42	8.2	Surface	1.0	0.3	186	17.7	17.7	7.8	7.8	23.1	23.1	105.8	105.8	8.8	8.7	2.2	3.1	7	5	74	76	806036	819411	<0.2	<0.2	1.6	1.5
						1.0	0.3	196	17.7		7.8		23.1		105.7		8.8		2.3		5		75				<0.2		1.9	
					Middle	4.1	0.3	192	17.2	17.2	7.8	7.8	25.3	25.3	104.2	104.2	8.6		3.7		6		76				<0.2		1.4	
						4.1	0.3	198	17.2		7.8		25.2		104.2		8.6		3.7		4		76				<0.2		1.3	
					Bottom	7.2	0.3	178	17.2	17.2	7.8	7.8	26.5	26.5	104.4	104.5	8.6	8.6	3.3		4		76				<0.2		1.5	
						7.2	0.3	180	17.2		7.8		26.4		104.5		8.6		3.2		6		77				<0.2		1.4	
IM4	Cloudy	Calm	10:50	7.9	Surface	1.0	0.3	189	17.9	17.9	7.8	7.8	22.4	22.4	104.2	104.2	8.7	8.5	2.6	3.7	6	5	75	77	805048	819570	<0.2	<0.2	1.5	1.3
						1.0	0.3	206	17.9		7.8		22.4		104.1		8.6		2.6		5		76				<0.2		1.4	
					Middle	4.0	0.3	176	17.1	17.1	7.8	7.8	26.0	26.0	100.4	100.4	8.3		4.1		4		77				<0.2		1.6	
						4.0	0.3	184	17.1		7.8		26.0		100.4		8.3		4.1		3		76				<0.2		1.4	
					Bottom	6.9	0.3	182	17.0	17.1	7.8	7.8	25.4	25.4	99.2	99.2	8.2	8.2	4.3		7		78				<0.2		1.0	
						6.9	0.3	196	17.1		7.8		25.3		99.2		8.2		4.3		5		78				<0.2		1.1	
IM5	Cloudy	Calm	11:02	6.9	Surface	1.0	0.3	189	17.7	17.7	7.8	7.8	22.3	22.3	104.5	104.5	8.7	8.6	3.7	7.1	2	5	74	75	804937	820564	<0.2	<0.2	2.1	1.9
						1.0	0.3	199	17.6		7.8		22.3		104.4		8.7		3.8		<2		74				<0.2		2.0	
					Middle	3.5	0.3	163	17.2	17.2	7.8	7.8	24.7	24.7	101.9	101.9	8.5		6.7		2		75				<0.2		2.0	
						3.5	0.4	167	17.2		7.8		24.6		101.8		8.4		6.9		3		75				<0.2		2.0	
					Bottom	5.9	0.3	168	17.0	17.0	7.8	7.8	26.2	26.2	100.8	100.8	8.3	8.3	10.7		10		75				<0.2		1.6	
						5.9	0.3	169	17.0		7.8		26.1		100.8		8.3		10.7		8		75				<0.2		1.8	
IM6	Cloudy	Calm	11:13	6.8	Surface	1.0	0.4	200	17.7	17.7	7.8	7.8	22.0	22.0	101.5	101.5	8.5	8.4	4.1	6.4	7	6	73	74	805821	821060	<0.2	<0.2	1.7	1.6
						1.0	0.4	208	17.7		7.8		22.0		101.4		8.5		4.2		6		73				<0.2		1.8	
					Middle	3.4	0.4	165	17.3	17.3	7.8	7.8	23.9	23.9	100.1	100.1	8.3		7.0		5		74				<0.2		2.1	
						3.4	0.5	172	17.3		7.8		23.8		100.0		8.3		7.1		3		75				<0.2		2.0	
					Bottom	5.8	0.4	156	17.1	17.1	7.8	7.8	25.3	25.3	98.9	98.9	8.2	8.2	8.1		7		75				<0.2		1.0	
						5.8	0.4	158	17.1		7.8		25.2		98.8		8.2		7.9		7		75				<0.2		1.0	
IM7	Cloudy	Calm	11:23	8.0	Surface	1.0	0.3	190	17.9	17.9	7.8	7.8	20.6	20.6	102.5	102.5	8.6	8.5	3.0	4.4	3	6	75	76	806820	821349	<0.2	<0.2	1.9	1.8
						1.0	0.3	196	17.9		7.8		20.6		102.4		8.6		3.1		4		75				<0.2		1.9	
					Middle	4.0	0.3	170	17.5	17.5	7.8	7.8	23.5	23.5	100.6	100.6	8.4		4.1		5		76				<0.2		1.8	
						4.0	0.3	170	17.5		7.8		23.5		100.5		8.4		4.2		4		76				<0.2		1.9	
					Bottom	7.0	0.3	146	17.2	17.2	7.8	7.8	24.6	24.6	98.5	98.5	8.2	8.2	6.0		10		77				<0.2		1.5	
						7.0	0.3	148	17.2		7.8		24.6		98.4		8.2		6.0		9		77				<0.2		1.6	
IM8	Cloudy	Moderate	11:02	9.2	Surface	1.0	0.4	168	21.2	21.2	8.1	8.1	23.3	23.3	98.9	98.9	7.7	7.7	3.5	5.1	5	5	74	75	807855	821695	<0.2	<0.2	2.8	2.5
						1.0	0.4	174	21.2		8.1		23.3		98.8		7.7		3.5		4		74				<0.2		2.5	
					Middle	4.6	0.3	138	20.8	20.8	8.0	8.0	27.0	27.0	98.7	98.8	7.6		5.2		6		75				<0.2		2.6	
						4.6	0.3	141	20.8		8.0		27.0		98.8		7.6		5.1		4		75				<0.2		2.5	
					Bottom	8.2	0.3	117	20.6	20.6	8.1	8.1	28.4	28.4	98.9	98.9	7.5	7.5	6.8		7		75				<0.2		2.4	
						8.2	0.4	117	20.6		8.1		28.4		98.8		7.5		6.7		5		76				<0.2		2.4	

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 April 17 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 (^{o}C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:52	8.1	Surface	1.0	0.5	141	21.1	21.1	8.0	8.0	24.6	24.6	96.7	96.7	7.5	7.5	2.6	3.6	4	5	74	75	808795	822094	<0.2	<0.2	1.9	1.9
						1.0	0.5	149	21.1		8.0		24.6		96.7		7.5		2.4		4		74				<0.2		2.1	
					Middle	4.1	0.4	135	20.9	20.9	8.0	8.0	26.7	26.7	97.3	97.3	7.4		4.4		4		74				<0.2		1.9	
						4.1	0.5	136	20.9		8.0		26.7		97.3		7.4		4.0		4		75				<0.2		1.9	
					Bottom	7.1	0.3	112	20.7	20.7	8.0	8.0	27.8	27.8	97.8	97.8	7.5	7.5	4.1		6		75				<0.2		1.8	
						7.1	0.4	115	20.7		8.0		27.8		97.7		7.4		4.0		5		76				<0.2		1.7	
IM10	Cloudy	Moderate	10:43	8.2	Surface	1.0	0.5	114	21.3	21.3	8.0	8.0	23.8	23.9	98.6	98.6	7.6	7.6	2.8	7.2	7	6	73	76	809825	822240	<0.2	<0.2	1.8	1.7
						1.0	0.6	120	21.3		8.0		23.9		98.6		7.6		2.8		6		74				<0.2		1.8	
					Middle	4.1	0.5	114	21.0	21.0	8.0	8.0	25.7	25.7	98.2	98.2	7.5		5.4		3		76				<0.2		1.6	
						4.1	0.5	114	21.0		8.0		25.7		98.2		7.5		5.6		5		76				<0.2		1.7	
					Bottom	7.2	0.4	113	20.8	20.8	8.1	8.1	27.6	27.6	99.6	99.6	7.6	7.6	13.3		7		78				<0.2		1.8	
						7.2	0.5	120	20.8		8.1		27.6		99.6		7.6		13.4		6		78				<0.2		1.7	
IM11	Cloudy	Moderate	10:24	7.4	Surface	1.0	0.5	124	21.6	21.6	8.1	8.1	21.1	21.1	101.7	101.7	7.9	7.8	2.0	4.0	4	6	73	75	810564	821501	<0.2	<0.2	3.1	3.0
						1.0	0.5	130	21.5		8.1		21.1		101.6		7.9		2.1		5		73				<0.2		3.2	
					Middle	3.7	0.4	95	21.0	21.0	8.1	8.1	25.8	25.8	100.2	100.2	7.7		3.6		6		76				<0.2		2.8	
						3.7	0.4	98	21.0		8.1		25.8		100.2		7.7		3.7		4		76				<0.2		2.7	
					Bottom	6.4	0.3	112	20.8	20.8	8.1	8.1	27.6	27.6	98.8	98.8	7.5	7.5	6.1		8		76				<0.2		3.1	
						6.4	0.3	118	20.8		8.1		27.6		98.8		7.5		6.2		6		77				<0.2		3.1	
IM12	Cloudy	Moderate	10:13	10.1	Surface	1.0	0.4	147	21.3	21.3	8.1	8.1	23.7	23.7	100.1	100.1	7.7	7.6	3.0	4.1	4	5	73	75	811530	821162	<0.2	<0.2	2.9	2.7
						1.0	0.4	155	21.3		8.1		23.7		100.0		7.7		3.0		4		74				<0.2		2.9	
					Middle	5.1	0.3	109	21.0	21.0	8.1	8.1	26.2	26.2	97.4	97.4	7.5		4.4		5		75				<0.2		2.8	
						5.1	0.4	119	21.0		8.1		26.2		97.4		7.5		4.5		6		76				<0.2		2.7	
					Bottom	9.1	0.3	103	20.9	20.9	8.0	8.0	27.6	27.6	97.1	97.2	7.4	7.4	4.8		5		77				<0.2		2.4	
						9.1	0.3	107	20.9		8.0		27.6		97.2		7.4		4.9		5		77				<0.2		2.5	
IM13	Cloudy	Calm	10:17	4.5	Surface	1.0	0.1	159	17.5	17.5	7.8	7.8	23.3	23.3	103.6	103.6	8.6	8.6	1.4	1.6	5	4		-	807199	820085	-	-	-	-
						1.0	0.1	163	17.5		7.8		23.2		103.6		8.6		1.4		3						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.1	166	17.3	17.3	7.7	7.7	22.6	22.6	100.1	100.1	8.4	8.4	1.7		4						-		-	
						3.5	0.1	169	17.3		7.7		22.6		100.0		8.4		1.7		4						-		-	
SR2	Cloudy	Moderate	09:42	5.0	Surface	1.0	0.4	104	21.3	21.3	8.0	8.0	24.6	24.6	99.9	99.9	7.7	7.7	1.4	1.6	7	6	71	74	814163	821463	<0.2	<0.2	2.6	2.6
						1.0	0.4	109	21.3		8.0		24.6		99.9		7.7		1.4		6		72				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.2	117	21.1	21.1	8.0	8.0	26.4	26.4	98.5	98.5	7.5	7.5	1.8		7		75				<0.2		2.7	
						4.0	0.3	121	21.1		8.0		26.4		98.5		7.5		1.8		5		76				<0.2		2.8	
SR3	Cloudy	Moderate	11:10	9.3	Surface	1.0	0.4	161	21.3	21.3	8.0	8.0	22.8	22.8	98.4	98.4	7.6	7.5	3.2	4.0	5	6		-	807580	822147	-	-	-	-
						1.0	0.4	173	21.3		8.0		22.8		98.3		7.6		3.3		7						-		-	
					Middle	4.7	0.3	171	20.8	20.8	8.0	8.0	27.0	27.0	97.2	97.2	7.4		4.5		7						-		-	
						4.7	0.3	185	20.8		8.0		27.0		97.2		7.4		4.6		7						-		-	
					Bottom	8.3	0.3	120	20.7	20.7	8.0	8.0	27.7	27.7	97.5	97.5	7.4	7.4	4.2		6						-		-	
						8.3	0.3	131	20.7		8.0		27.7		97.5		7.4		4.3		6						-		-	
SR4A	Cloudy	Calm	09:32	8.5	Surface	1.0	0.3	108	17.6	17.6	7.8	7.8	23.7	23.7	102.1	102.1	8.5	8.4	3.8	7.3	4	11		-	807802	817189	-	-	-	-
						1.0	0.3	108	17.6		7.8		23.7		102.0		8.5		4.3		6						-		-	
					Middle	4.3	0.3	158	17.4	17.4	7.8	7.8	24.0	24.0	100.6	100.6	8.3		7.2		10						-		-	
						4.3	0.3	159	17.4		7.8		24.0		100.6		8.3		7.3		9						-		-	
					Bottom	7.5	0.2	154	17.3	17.3	7.7	7.7	24.3	24.3	99.6	99.6	8.3	8.3	10.6		17						-		-	
						7.5	0.3	158	17.3		7.7		24.3		99.6		8.3		10.7		19						-		-	
SR5A	Cloudy	Calm	09:14	4.9	Surface	1.0	0.1	177	18.0	18.0	7.7	7.7	24.1	24.1	103.7	103.7	8.5	8.5	2.4	2.5	7	8		-	810715	816593	-	-	-	-
						1.0	0.1	188	18.0		7.7		24.1		103.7		8.5		2.4		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.9	0.1	142	18.0	18.0	7.7	7.7	23.1	23.1	101.6	101.5	8.4	8.4	2.6		9						-		-	
						3.9	0.1	146	18.0		7.7		23.1		101.4		8.4		2.6		7						-		-	
SR6	Cloudy	Calm	08:50	4.4	Surface	1.0	0.1	136	17.6	17.6	7.7	7.7	24.4	24.4	101.5	101.5	8.4	8.4	5.3	11.9	8	8		-	814655	817899	-	-	-	-
						1.0	0.2	141	17.6		7.7		24.4		101.4		8.4		5.5		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.4	0.2	107	17.6	17.6	7.7	7.7	24.5	24.5	100.4	100.4	8.3	8.3	18.2		8						-		-	
						3.4	0.2	109	17.6		7.7		24.4		100.4		8.3		18.5		6						-		-	
SR7	Cloudy	Moderate	08:35	20.1	Surface	1.0	0.2	106	20.4	20.4	8.0	8.0	30.1	30.1	95.6	95.6	7.2	7.2	1.8	2.4	9	7		-	823734	823636	-	-	-	-
						1.0	0.2	109	20.4		8.0		30.1		95.6		7.2		1.6		7						-		-	
					Middle	10.1	0.2	195	20.2	20.2	8.0	8.0	30.8	30.8	93.5	93.5	7.1		1.8		7						-		-	
						10.1	0.2	195	20.2		8.0		30.8		93.5		7.1		1.8		5						-		-	
					Bottom	19.1	0.2	211	20.1	20.1	8.0	8.0	31.1	31.1	92.6	92.6	7.0	7.0	3.9		9						-		-	
						19.1	0.2	216	20.1		8.0		31.1		92.6		7.0		3.6		7						-		-	
SR8	Cloudy	Moderate	10:03	5.9	Surface	1.0	0.4	249	21.5	21.5	8.0	8.0	23.8	23.8	99.6	99.6	7.7	7.7	2.6	3.2	8	6		-	811610	820417	-	-	-	-
						1.0	0.4	271	21.5		8.0		23.8		99.6		7.7		2.8		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.9	0.3	204	21.0	21.0	8.0	8.0	27.3	27.3	97.9	97.9	7.4	7.4	3.7		5						-		-	
						4.9	0.3	217	21.0		8.0		27.3		97.9		7.4		3.8		6						-		-	

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 April 17 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	17:17	8.7	Surface	1.0	0.4	96	18.6	18.6	8.0	8.0	25.6	25.6	115.6	115.1	9.3	9.0	1.8	4.2	6	7	75	76	804260	815620	<0.2	<0.2	1.8	1.7
						1.0	0.4	97	18.5		7.9		25.6		114.5		9.2		1.8		8		75				<0.2		1.8	
					Middle	4.4	0.5	81	18.0	18.0	7.9	7.9	26.6	26.6	109.0	109.0	8.8		3.7		7		76				<0.2		1.7	
						4.4	0.5	81	18.0		7.9		26.6		108.9		8.8		3.8		7		76				<0.2		1.6	
					Bottom	7.7	0.4	73	17.3	17.3	7.9	7.9	29.3	29.3	107.3	107.8	8.7	8.7	7.2		8		77				<0.2		1.6	
						7.7	0.4	78	17.3		7.9		29.2		108.2		8.7		7.1		8		77				<0.2		1.5	
C2	Fine	Moderate	15:38	12.6	Surface	1.0	0.6	190	21.8	21.8	7.9	7.9	18.6	18.7	91.8	91.8	7.2	7.2	4.3	5.9	5	7	73	75	806941	825682	<0.2	<0.2	2.2	2.0
						1.0	0.6	203	21.8		7.9		18.8		91.8		7.2		4.4		6		73				<0.2		2.3	
					Middle	6.3	0.3	175	21.2	21.2	8.0	8.0	26.1	26.1	92.7	92.7	7.1		4.6		6		75				<0.2		2.1	
						6.3	0.3	188	21.2		8.0		26.1		92.7		7.1		4.7		7		76				<0.2		1.8	
					Bottom	11.6	0.2	179	21.0	21.0	8.0	8.0	27.4	27.4	91.6	91.6	7.0	7.0	8.7		8		77				<0.2		1.9	
						11.6	0.2	182	21.0		8.0		27.4		91.6		7.0		8.4		9		78				<0.2		1.9	
C3	Fine	Moderate	17:52	12.9	Surface	1.0	0.6	243	21.6	21.6	8.1	8.1	25.1	25.1	103.9	103.9	7.9	7.7	2.2	3.4	5	7	73	75	817792	822109	<0.2	<0.2	1.6	1.4
						1.0	0.6	265	21.6		8.1		25.1		103.8		7.9		2.1		6		73				<0.2		1.6	
					Middle	6.5	0.6	251	21.1	21.1	8.1	8.1	27.9	27.9	97.9	97.9	7.4		2.7		7		76				<0.2		1.4	
						6.5	0.6	258	21.1		8.1		27.9		97.9		7.4		2.6		5		76				<0.2		1.4	
					Bottom	11.9	0.6	283	20.7	20.7	8.1	8.1	30.1	30.1	95.2	95.3	7.2	7.2	5.4		9		77				<0.2		1.1	
						11.9	0.6	283	20.7		8.1		30.1		95.3		7.2		5.5		8		77				<0.2		1.1	
IM1	Sunny	Moderate	16:45	8.8	Surface	1.0	0.4	196	18.6	18.6	7.9	7.9	24.4	24.4	110.4	110.4	8.9	8.8	2.4	4.3	7	10	74	76	806471	818351	<0.2	<0.2	2.5	2.2
						1.0	0.5	204	18.6		7.9		24.4		110.4		8.9		2.5		7		75				<0.2		2.2	
					Middle	4.4	0.3	236	17.8	17.8	7.9	7.9	26.1	26.2	105.4	105.4	8.6		4.7		10		75				<0.2		2.2	
						4.4	0.4	252	17.8		7.9		26.2		105.3		8.6		4.7		9		76				<0.2		2.1	
					Bottom	7.8	0.4	170	17.5	17.5	7.9	7.9	27.8	27.8	105.4	105.5	8.5	8.5	5.7		13		76				<0.2		1.8	
						7.8	0.5	177	17.5		7.9		27.8		105.5		8.5		5.7		14		77				<0.2		2.1	
IM2	Sunny	Moderate	16:38	8.2	Surface	1.0	0.4	235	18.1	18.1	7.8	7.8	23.4	23.4	103.9	103.8	8.5	8.5	3.8	6.0	8	8	76	77	806191	818852	<0.2	<0.2	2.5	2.6
						1.0	0.4	251	18.0		7.8		23.4		103.7		8.5		3.9		8		76				<0.2		2.8	
					Middle	4.1	0.4	170	17.7	17.7	7.8	7.8	26.0	26.1	102.9	102.8	8.4		5.0		8		77				<0.2		2.7	
						4.1	0.5	179	17.7		7.8		26.1		102.7		8.4		5.4		7		77				<0.2		2.9	
					Bottom	7.2	0.5	164	17.4	17.4	7.8	7.8	28.4	28.4	103.4	103.5	8.4	8.4	9.0		8		78				<0.2		2.4	
						7.2	0.5	167	17.4		7.8		28.4		103.6		8.4		8.9		8		78				<0.2		2.2	
IM3	Sunny	Moderate	16:26	8.0	Surface	1.0	0.6	263	18.7	18.7	7.9	7.9	21.7	21.7	111.2	111.0	9.1	8.8	2.6	4.1	7	7	74	75	806006	819411	<0.2	<0.2	2.7	2.6
						1.0	0.6	270	18.7		7.9		21.7		110.7		9.1		2.6		7		74				<0.2		2.4	
					Middle	4.0	0.4	250	18.5	18.4	7.9	7.9	22.1	22.2	104.7	104.1	8.6		3.2		6		75				<0.2		2.5	
						4.0	0.4	261	18.3		7.9		22.3		103.4		8.5		3.6		6		75				<0.2		2.6	
					Bottom	7.0	0.4	204	17.7	17.7	7.8	7.8	26.1	26.1	104.1	104.5	8.5	8.5	6.1		7		76				<0.2		2.6	
						7.0	0.4	219	17.7		7.8		26.1		104.8		8.5		6.4		7		76				<0.2		2.8	
IM4	Sunny	Moderate	16:16	7.7	Surface	1.0	0.3	234	18.7	18.7	7.8	7.8	21.7	21.8	106.2	106.0	8.7	8.6	3.7	4.2	5	8	75	76	805038	819570	<0.2	<0.2	2.6	2.6
						1.0	0.4	237	18.6		7.8		21.8		105.8		8.7		3.6		6		74				<0.2		2.5	
					Middle	3.9	0.3	227	18.0	18.0	7.8	7.8	24.6	24.6	103.6	103.6	8.5		4.5		9		76				<0.2		2.6	
						3.9	0.3	237	18.0		7.8		24.6		103.6		8.5		4.4		10		75				<0.2		2.5	
					Bottom	6.7	0.3	212	17.8	18.0	7.8	7.9	25.8	25.7	105.9	106.5	8.6	8.7	4.7		9		77				<0.2		2.5	
						6.7	0.3	215	18.1		7.9		25.6		107.0		8.7		4.4		8		77				<0.2		2.7	
IM5	Sunny	Moderate	16:07	6.7	Surface	1.0	0.3	229	18.5	18.5	7.8	7.8	21.9	21.9	102.1	102.1	8.4	8.4	8.3	8.5	7	8	73	74	804920	820564	<0.2	<0.2	2.6	3.0
						1.0	0.3	229	18.5		7.8		21.9		102.0		8.4		8.5		5		73				<0.2		2.3	
					Middle	3.4	0.3	235	18.1	18.1	7.8	7.8	23.3	23.3	101.0	101.0	8.3		9.5		9		74				<0.2		2.9	
						3.4	0.4	244	18.0		7.8		23.3		101.0		8.3		8.7		7		74				<0.2		3.0	
					Bottom	5.7	0.3	248	17.6	17.7	7.8	7.8	25.9	25.9	102.3	102.7	8.4	8.4	8.1		9		75				<0.2		3.7	
						5.7	0.3	266	17.7		7.8		25.8		103.1		8.4		7.7		9		76				<0.2		3.7	
IM6	Sunny	Moderate	15:57	6.4	Surface	1.0	0.4	256	17.9	17.9	7.8	7.8	23.9	23.9	97.2	97.2	8.0	8.1	4.7	5.3	6	7	74	75	805846	821060	<0.2	<0.2	3.0	3.0
						1.0	0.4	267	17.9		7.8		23.8		97.2		8.0		4.7		7		74				<0.2		3.3	
					Middle	3.2	0.3	255	17.7	17.7	7.8	7.8	24.4	24.4	98.6	98.7	8.1		5.4		6		75				<0.2		3.0	
						3.2	0.4	277	17.7		7.8		24.4		98.7		8.1		5.4		6		76				<0.2		3.0	
					Bottom	5.4	0.3	236	17.7	17.7	7.8	7.8	26.0	26.0	103.0	103.1	8.4	8.4	5.7		8		76				<0.2		3.1	
						5.4	0.3	258	17.7		7.8		26.0		103.2		8.4		5.7		8		77				<0.2		2.8	
IM7	Sunny	Moderate	15:39	7.9	Surface	1.0	0.5	218	18.5	18.5	7.7	7.7	20.6	20.7	100.0	99.9	8.3	8.3	3.7	4.6	4	7	75	76	806830	821349	<0.2	<0.2	3.4	3.1
						1.0	0.5	235	18.5		7.7		20.7		99.8		8.3		3.8		6		74				<0.2		3.5	
					Middle	4.0	0.5	242	18.2	18.2	7.8	7.8	21.9	22.0	98.6	98.6	8.2		4.3		7		76				<0.2		3.1	
						4.0	0.5	256	18.2		7.8		22.1		98.5		8.2		4.5		8		75				<0.2		3.1	
					Bottom	6.9	0.4	241	18.0	18.0	7.8	7.8	23.0	23.0	100.0	100.4	8.3	8.3	5.7		7		77				<0.2		2.9	
						6.9	0.5	255	18.0		7.8		23.0		100.7		8.3		5.4		8		77				<0.2		2.8	
IM8	Fine	Moderate	16:03	8.8	Surface	1.0	0.5	194	21.4	21.4	7.9	7.9	22.0	22.0	90.7	90.7	7.1	7.2	4.6	5.8	7	12	74	75	807828	821695	<0.2	<0.2	3.0	2.8
						1.0	0.6	211	21.4		7.9		22.0		90.7		7.1		4.7		6		74				<0.2		2.9	
					Middle	4.4	0.4	230	21.4	21.4	8.0	8.0	23.3	23.3	93.3	93.3	7.2		6.0		9		74				<0.2		2.8	
						4.4	0.4	252	21.4		8.0		23.3		93.3		7.2		5.9		7		75				<0.2		3.0	
					Bottom	7.8	0.4	246	21.4	21.4	8.0	8.0	23.9	23.9	93.3	93.3	7.2	7.2	6.8		20		75				<0.2		2.4	
						7.8	0.4	258	21.4		8.0		23.9		93.3		7.2		6.8		20		76				<0.2		2.5	

DA: Depth-Averaged

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

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 April 17 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	16:17	8.0	Surface	1.0	0.4	180	21.4	21.4	8.0	8.0	22.1	22.1	91.9	92.0	7.2	7.2	4.3	5.3	9	11	74	75	808819	822094	<0.2	<0.2	3.5	3.3
						1.0	0.4	196	21.4		8.0		22.1		92.0		7.2		4.3		7		74				<0.2		3.7	
					Middle	4.0	0.3	212	21.4	21.4	8.0	8.0	23.6	23.6	93.5	93.5	7.2		5.1		8		75				<0.2		3.3	
						4.0	0.3	232	21.4		8.0		23.6		93.5		7.2		5.1		8		75				<0.2		3.1	
					Bottom	7.0	0.3	242	21.4	21.4	8.0	8.0	24.4	24.4	93.9	93.9	7.2	7.2	6.4		18		77				<0.2		2.9	
						7.0	0.3	248	21.4		8.0		24.4		93.9		7.2		6.4		17		77				<0.2		3.0	
IM10	Fine	Moderate	16:31	8.0	Surface	1.0	0.3	194	21.7	21.7	8.0	8.0	23.7	23.7	99.6	99.6	7.6	7.5	5.5	6.2	9	9	73	75	809852	822240	<0.2	<0.2	2.8	2.8
						1.0	0.3	200	21.7		8.0		23.6		99.6		7.6		5.6		8		74				<0.2		2.6	
					Middle	4.0	0.3	260	21.5	21.5	8.0	8.0	24.4	24.4	96.0	96.0	7.4		6.1		8		75				<0.2		2.9	
						4.0	0.4	280	21.5		8.0		24.4		96.0		7.4		6.1		9		75				<0.2		3.1	
					Bottom	7.0	0.4	259	21.4	21.4	8.0	8.0	24.8	24.8	95.0	95.0	7.3	7.3	7.0		10		77				<0.2		2.8	
						7.0	0.4	275	21.4		8.0		24.8		95.0		7.3		7.1		12		77				<0.2		2.5	
IM11	Fine	Moderate	16:42	9.7	Surface	1.0	0.4	264	21.9	21.9	8.1	8.1	22.9	22.9	103.4	103.4	7.9	7.8	4.6	9.3	6	12	73	75	810537	821501	<0.2	<0.2	2.3	2.1
						1.0	0.4	265	21.9		8.1		22.9		103.3		7.9		4.8		6		74				<0.2		2.6	
					Middle	4.9	0.3	256	21.7	21.7	8.1	8.1	23.5	23.5	101.0	101.0	7.8		6.8		5		75				<0.2		1.9	
						4.9	0.3	264	21.7		8.1		23.5		101.0		7.7		7.0		7		76				<0.2		1.9	
					Bottom	8.7	0.3	264	21.5	21.5	8.1	8.1	25.2	25.2	98.3	98.4	7.5	7.5	16.3		24		77				<0.2		1.7	
						8.7	0.4	264	21.5		8.1		25.2		98.4		7.5		16.4		23		77				<0.2		1.9	
IM12	Fine	Moderate	16:54	8.2	Surface	1.0	0.5	274	21.9	21.9	8.1	8.1	23.0	23.0	105.1	105.1	8.1	7.8	3.7	4.9	6	11	74	75	811520	821162	<0.2	<0.2	1.9	1.8
						1.0	0.6	284	21.9		8.1		23.0		105.0		8.0		3.5		8		74				<0.2		1.8	
					Middle	4.1	0.6	284	21.6	21.6	8.1	8.1	24.6	24.6	99.4	99.4	7.6		3.8		10		75				<0.2		1.9	
						4.1	0.6	294	21.6		8.1		24.6		99.3		7.6		3.8		9		75				<0.2		2.1	
					Bottom	7.2	0.5	266	21.1	21.1	8.0	8.0	27.1	27.1	94.4	94.4	7.2	7.2	7.4		18		77				<0.2		1.6	
						7.2	0.5	290	21.1		8.0		27.1		94.4		7.2		6.9		16		77				<0.2		1.6	
IM13	Sunny	Moderate	16:53	5.9	Surface	1.0	0.4	192	17.9	17.9	7.9	7.9	26.9	27.0	107.2	107.1	8.7	8.7	6.7	6.6	7	9		-	806917	820085	-	-	-	-
						1.0	0.5	203	17.9		7.9		27.0		107.0		8.6		6.7		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.9	0.4	222	17.7	17.7	7.9	7.9	27.6	27.6	107.1	108.1	8.7	8.8	6.5		11						-		-	
						4.9	0.4	230	17.7		7.9		27.6		109.1		8.8		6.3		12						-		-	
SR2	Fine	Moderate	17:25	5.8	Surface	1.0	0.5	255	21.5	21.5	8.1	8.1	25.7	25.7	99.6	99.6	7.6	7.6	7.9	7.2	10	13	74	75	814162	821463	<0.2	<0.2	1.5	1.5
						1.0	0.5	258	21.5		8.1		25.7		99.5		7.6		8.0		11		74				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.8	0.3	200	21.1	21.1	8.1	8.1	27.6	27.6	97.9	98.0	7.4	7.4	6.5		15		75				<0.2		1.5	
						4.8	0.3	200	21.1		8.1		27.6		98.0		7.4		6.5		14		76				<0.2		1.4	
SR3	Fine	Moderate	15:58	9.6	Surface	1.0	0.6	181	21.7	21.7	7.9	7.9	20.7	20.7	91.4	91.5	7.1	7.1	5.3	6.3	9	8		-	807560	822147	-	-	-	-
						1.0	0.6	192	21.7		7.9		20.7		91.5		7.1		5.4		8						-		-	
					Middle	4.8	0.3	208	21.3	21.3	8.0	8.0	25.2	25.2	93.0	93.0	7.1		6.6		7						-		-	
						4.8	0.4	223	21.3		8.0		25.2		93.0		7.1		6.7		7						-		-	
					Bottom	8.6	0.3	233	21.2	21.2	8.0	8.0	25.3	25.3	92.8	92.8	7.1	7.1	6.7		7						-		-	
						8.6	0.4	237	21.2		8.0		25.3		92.8		7.1		6.8		7						-		-	
SR4A	Sunny	Moderate	17:37	8.2	Surface	1.0	0.4	250	18.8	18.8	7.9	7.9	25.6	25.6	114.0	114.0	9.1	9.1	5.8	6.1	9	9		-	807813	817189	-	-	-	-
						1.0	0.4	256	18.8		7.9		25.6		114.0		9.1		6.0		8						-		-	
					Middle	4.1	0.4	226	18.8	18.8	7.9	7.9	25.6	25.6	112.7	112.7	9.0		6.0		10						-		-	
						4.1	0.4	248	18.8		7.9		25.6		112.7		9.0		6.0		9						-		-	
					Bottom	7.2	0.3	236	18.5	18.5	7.9	7.9	26.0	26.0	110.9	110.9	8.9	8.9	6.5		11						-		-	
						7.2	0.4	241	18.5		7.9		26.0		110.9		8.9		6.1		9						-		-	
SR5A	Sunny	Calm	17:57	5.2	Surface	1.0	0.3	280	18.8	18.8	7.9	7.9	25.2	25.2	113.5	113.5	9.1	9.1	6.0	7.3	8	8		-	810700	816593	-	-	-	-
						1.0	0.3	297	18.8		7.9		25.2		113.5		9.1		6.0		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	289	18.7	18.7	7.9	7.9	25.4	25.4	112.7	112.8	9.0	9.0	8.6		9						-		-	
						4.2	0.3	294	18.7		7.9		25.4		112.8		9.0		8.7		8						-		-	
SR6	Sunny	Calm	18:22	4.6	Surface	1.0	0.2	146	18.4	18.4	7.9	7.9	25.0	25.0	108.4	108.3	8.8	8.8	8.3	9.0	12	12		-	814668	817899	-	-	-	-
						1.0	0.2	160	18.4		7.9		25.0		108.2		8.8		8.3		13						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.2	145	18.3	18.3	7.9	7.9	25.2	25.2	108.8	108.9	8.8	8.8	9.7		12						-		-	
						3.6	0.2	147	18.3		7.9		25.2		108.9		8.8		9.8		12						-		-	
SR7	Fine	Moderate	18:34	16.6	Surface	1.0	0.3	170	21.0	21.0	8.1	8.1	28.8	28.8	98.5	98.5	7.4	7.3	4.5	5.2	5	6		-	823729	823636	-	-	-	-
						1.0	0.3	173	21.0		8.1		28.8		98.4		7.4		4.4		5						-		-	
					Middle	8.3	0.3	168	20.7	20.7	8.1	8.1	30.3	30.3	96.3	96.3	7.2		4.3		7						-		-	
						8.3	0.3	182	20.7		8.1		30.3		96.3		7.2		4.4		6						-		-	
					Bottom	15.6	0.3	112	20.6	20.6	8.1	8.1	30.6	30.6	96.1	96.1	7.2	7.2	6.6		6						-		-	
						15.6	0.3	117	20.6		8.1		30.6		96.1		7.2		6.7		8						-		-	
SR8	Fine	Moderate	17:05	6.1	Surface	1.0	0.3	213	22.2	22.2	8.1	8.1	22.1	22.1	110.8	110.7	8.5	8.5	4.7	8.2	8	10		-	811581	820417	-	-	-	-
						1.0	0.3	214	22.2		8.1		22.1		110.6		8.5		4.8		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	5.1	0.3	246	21.7	21.7	8.1	8.1	24.5	24.5	102.6	102.7	7.8	7.8	11.7		13						-		-	
						5.1	0.4	268	21.7		8.1		24.5		102.7		7.8		11.7		10						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 April 17 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	11:42	8.8	Surface	1.0	0.4	223	18.0	18.0	7.8	7.8	24.9	24.9	109.2	109.2	8.9	8.8	1.8	2.3	3	3	74	75	804251	815620	<0.2	<0.2	2.3	2.4
						1.0	0.4	227	18.0		7.8		24.9		109.2		8.9		1.8		2		74				<0.2		2.4	
					Middle	4.4	0.5	198	17.7	17.7	7.8	7.8	25.8	25.9	105.3	105.3	8.6		2.6		4		75				<0.2		2.3	
						4.4	0.5	201	17.7		7.8		25.9		105.2		8.6		2.6		4		76				<0.2		2.4	
					Bottom	7.8	0.4	202	17.3	17.3	7.8	7.8	28.4	28.4	103.8	103.9	8.4	8.4	2.5		4		76				<0.2		2.4	
						7.8	0.4	210	17.3		7.8		28.4		103.9		8.4		2.6		3		77				<0.2		2.5	
C2	Cloudy	Moderate	12:55	12.2	Surface	1.0	0.8	171	22.3	22.3	8.0	8.0	20.3	20.3	97.8	97.7	7.6	7.4	4.1	4.8	6	6	73	75	806958	825682	<0.2	<0.2	3.2	2.5
						1.0	0.9	183	22.3		8.0		20.3		97.6		7.6		4.1		6		73				<0.2		2.9	
					Middle	6.1	0.6	170	21.2	21.2	8.0	8.0	25.9	25.9	93.3	93.3	7.1		4.8		5		75				<0.2		2.4	
						6.1	0.6	174	21.2		8.0		25.8		93.3		7.1		4.9		5		76				<0.2		2.4	
					Bottom	11.2	0.4	150	20.9	20.9	8.0	8.0	28.0	28.1	92.8	92.9	7.0	7.0	5.4		7		75				<0.2		2.0	
						11.2	0.4	158	20.9		8.0		28.1		92.9		7.0		5.4		8		77				<0.2		2.0	
C3	Cloudy	Moderate	10:40	12.7	Surface	1.0	0.4	127	21.5	21.5	8.1	8.1	26.8	26.8	102.8	102.8	7.8	7.7	1.5	2.1	4	5	72	74	817820	822109	<0.2	<0.2	2.1	2.0
						1.0	0.4	139	21.5		8.1		26.8		102.8		7.8		1.5		4		72				<0.2		2.3	
					Middle	6.4	0.5	121	21.0	21.0	8.1	8.1	28.1	28.1	98.5	98.5	7.5		2.2		5		74				<0.2		1.9	
						6.4	0.5	121	21.0		8.1		28.0		98.5		7.5		2.1		6		74				<0.2		1.9	
					Bottom	11.7	0.3	129	20.7	20.7	8.1	8.1	29.9	29.9	98.2	98.2	7.4	7.4	2.8		6		75				<0.2		2.0	
						11.7	0.3	135	20.7		8.1		29.9		98.2		7.4		2.7		7		75				<0.2		2.0	
IM1	Cloudy	Moderate	12:16	7.2	Surface	1.0	0.5	183	17.9	17.9	7.8	7.8	25.6	25.6	104.3	104.3	8.5	8.5	3.8	5.3	3	9	75	76	806468	818351	<0.2	<0.2	2.5	2.0
						1.0	0.5	191	17.9		7.8		25.6		104.3		8.5		3.8		4		75				<0.2		2.2	
					Middle	3.6	0.4	183	17.7	17.7	7.8	7.8	25.9	25.9	103.5	103.5	8.4		4.9		7		76				<0.2		1.7	
						3.6	0.4	183	17.7		7.8		25.9		103.5		8.4		5.0		8		75				<0.2		1.5	
					Bottom	6.2	0.4	173	17.5	17.5	7.8	7.8	27.7	27.7	103.2	103.2	8.4	8.4	7.0		15		77				<0.2		1.9	
						6.2	0.4	175	17.5		7.8		27.7		103.2		8.4		7.1		14		77				<0.2		2.1	
IM2	Cloudy	Moderate	12:23	8.2	Surface	1.0	0.5	207	18.1	18.2	7.8	7.8	25.2	25.2	107.1	107.1	8.7	8.7	3.0	5.2	5	6	74	75	806206	818852	<0.2	<0.2	2.4	2.1
						1.0	0.5	207	18.2		7.8		25.1		107.0		8.7		3.1		6		74				<0.2		2.3	
					Middle	4.1	0.5	195	17.8	17.8	7.8	7.8	26.2	26.2	105.2	105.2	8.6		4.6		6		75				<0.2		1.8	
						4.1	0.5	209	17.8		7.8		26.2		105.1		8.6		4.8		6		75				<0.2		1.8	
					Bottom	7.2	0.4	183	17.7	17.8	7.8	7.8	26.5	26.5	105.2	105.3	8.5	8.6	7.7		8		76				<0.2		2.2	
						7.2	0.4	192	17.8		7.8		26.5		105.3		8.6		7.9		6		76				<0.2		2.2	
IM3	Cloudy	Moderate	12:33	8.3	Surface	1.0	0.4	212	18.3	18.3	7.8	7.8	24.1	24.1	109.5	109.5	8.9	8.8	2.2	3.3	4	6	75	76	806033	819411	<0.2	<0.2	2.4	2.3
						1.0	0.5	218	18.3		7.8		24.1		109.4		8.9		2.1		4		75				<0.2		2.3	
					Middle	4.2	0.4	207	18.0	18.0	7.8	7.8	24.9	24.9	105.4	105.4	8.6		3.7		6		76				<0.2		2.3	
						4.2	0.5	227	18.0		7.8		24.9		105.4		8.6		3.7		6		77				<0.2		2.4	
					Bottom	7.3	0.4	203	17.8	17.8	7.8	7.8	26.7	26.7	105.9	106.0	8.6	8.6	4.0		7		78				<0.2		2.1	
						7.3	0.4	213	17.8		7.8		26.6		106.0		8.6		3.9		6		77				<0.2		2.1	
IM4	Cloudy	Moderate	12:41	7.7	Surface	1.0	0.5	207	18.5	18.5	7.9	7.9	23.4	23.4	105.6	105.6	8.6	8.5	3.6	5.8	9	9	75	76	805037	819570	<0.2	<0.2	2.4	2.3
						1.0	0.5	215	18.5		7.9		23.4		105.5		8.6		3.7		7		75				<0.2		2.4	
					Middle	3.9	0.5	196	17.7	17.7	7.8	7.8	25.1	25.1	101.7	101.7	8.3		6.4		9		76				<0.2		2.3	
						3.9	0.5	203	17.7		7.8		25.1		101.7		8.3		6.4		10		76				<0.2		2.4	
					Bottom	6.7	0.4	187	17.5	17.5	7.8	7.8	27.0	27.0	103.3	103.4	8.4	8.4	7.2		9		77				<0.2		2.1	
						6.7	0.4	199	17.5		7.8		27.0		103.5		8.4		7.2		8		77				<0.2		2.3	
IM5	Cloudy	Moderate	12:52	6.6	Surface	1.0	0.5	201	18.4	18.4	7.8	7.8	22.5	22.5	103.5	103.5	8.5	8.4	3.7	8.0	10	10	74	75	804920	820564	<0.2	<0.2	2.7	2.3
						1.0	0.5	215	18.4		7.8		22.5		103.4		8.5		3.8		9		74				<0.2		2.9	
					Middle	3.3	0.5	193	17.9	18.0	7.8	7.8	24.3	24.3	101.6	101.6	8.3		6.6		8		75				<0.2		2.2	
						3.3	0.6	208	18.0		7.8		24.2		101.6		8.3		6.7		10		75				<0.2		2.4	
					Bottom	5.6	0.4	182	17.4	17.4	7.8	7.8	27.2	27.2	99.9	99.9	8.1	8.1	13.6		10		75				<0.2		1.8	
						5.6	0.5	184	17.4		7.8		27.2		99.8		8.1		13.6		11		75				<0.2		1.6	
IM6	Cloudy	Moderate	13:01	6.6	Surface	1.0	0.4	196	18.4	18.4	7.8	7.8	22.3	22.3	101.4	101.4	8.4	8.3	4.7	7.5	9	13	74	75	805812	821060	<0.2	<0.2	2.8	2.5
						1.0	0.5	196	18.3		7.8		22.3		101.4		8.3		4.9		8		74				<0.2		3.0	
					Middle	3.3	0.5	186	18.0	18.0	7.8	7.8	23.3	23.3	100.8	100.9	8.3		8.1		9		75				<0.2		2.7	
						3.3	0.5	198	18.0		7.8		23.3		100.9		8.3		8.2		8		75				<0.2		2.4	
					Bottom	5.6	0.3	193	17.8	17.8	7.8	7.8	26.0	26.0	102.7	102.8	8.4	8.4	9.6		23		76				<0.2		1.9	
						5.6	0.4	199	17.8		7.8		26.0		102.8		8.4		9.4		22		76				<0.2		2.0	
IM7	Cloudy	Moderate	13:12	7.9	Surface	1.0	0.3	204	18.5	18.5	7.8	7.8	22.8	22.8	100.5	100.5	8.2	8.2	3.4	4.3	5	7	75	76	806834	821349	<0.2	<0.2	2.3	2.2
						1.0	0.3	214	18.5		7.8		22.7		100.5		8.2		3.5		7		75				<0.2		2.1	
					Middle	4.0	0.3	236	17.8	17.8	7.8	7.8	24.1	24.2	100.1	100.2	8.2		4.6		7		76				<0.2		2.6	
						4.0	0.3	256	17.8		7.8		24.3		100.2		8.2		4.7		5		76				<0.2		2.4	
					Bottom	6.9	0.3	223	17.8	17.8	7.8	7.8	25.7	25.7	100.9	101.0	8.2	8.2	4.7		10		77				<0.2		2.0	
						6.9	0.3	237	17.8		7.8		25.6		101.0		8.2		4.6		8		77				<0.2		2.0	
IM8	Cloudy	Moderate	12:19	9.1	Surface	1.0	0.5	175	21.9	21.9	8.0	8.0	21.2	21.2	99.8	99.8	7.7	7.7	4.5	6.0	4	8	73	75	807853	821695	<0.2	<0.2	3.1	2.9
						1.0	0.5	191	21.9		8.0		21.2		99.8		7.7		4.6		5		74				<0.2		3.3	
					Middle	4.6	0.3	168	21.3	21.3	8.1	8.1	25.7	25.7	99.5	99.5	7.6		5.6		8		76				<0.2		3.0	
						4.6	0.3	180	21.3		8.1		25.7		99.5		7.6		5.7		7		76				<0.2		3.1	
					Bottom	8.1	0.3	181	21.1	21.1	8.1	8.1	27.0	27.0	99.9	99.9	7.6	7.6	7.9		11		76				<0.2		2.5	
						8.1	0.3	196	21.1		8.1		27.0		99.9		7.6		7.9		10		77				<0.2		2.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 April 17 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	12:10	8.1	Surface	1.0	0.5	133	21.8	21.8	8.0	8.0	21.6	21.6	98.9	98.9	7.7	7.6	4.7	6.8	5	8	71	75	808812	822094	<0.2	<0.2	2.5	2.4
						1.0	0.6	139	21.8		8.0		21.6		98.9		7.7		4.7		5		73				<0.2		2.6	
					Middle	4.1	0.3	136	21.2	21.2	8.1	8.1	25.9	25.9	98.3	98.4	7.5		6.8		7		75				<0.2		2.5	
						4.1	0.4	148	21.2		8.1		25.9		98.4		7.5		6.8		9		75				<0.2		2.5	
					Bottom	7.1	0.3	120	21.2	21.2	8.1	8.1	26.6	26.6	99.3	99.3	7.6	7.6	9.0		10		76				<0.2		2.1	
						7.1	0.3	120	21.2		8.1		26.6		99.3		7.6		8.7		10		77				<0.2		2.2	
IM10	Cloudy	Moderate	11:59	8.1	Surface	1.0	0.7	131	21.7	21.7	8.0	8.0	21.4	21.4	97.5	97.5	7.6	7.5	6.7	9.5	4	9	73	74	809834	822240	<0.2	<0.2	2.8	2.5
						1.0	0.8	142	21.6		8.0		21.4		97.4		7.6		6.9		5		73				<0.2		2.8	
					Middle	4.1	0.6	108	21.2	21.2	8.1	8.1	25.5	25.5	96.9	96.9	7.4		9.9		8		74				<0.2		2.5	
						4.1	0.6	111	21.2		8.1		25.5		96.9		7.4		9.7		9		74				<0.2		2.5	
					Bottom	7.1	0.5	112	21.2	21.2	8.1	8.1	25.7	25.7	97.2	97.2	7.4	7.4	12.0		13		73				<0.2		2.1	
						7.1	0.5	119	21.2		8.1		25.7		97.2		7.4		11.9		14		75				<0.2		2.3	
IM11	Cloudy	Moderate	11:48	8.8	Surface	1.0	0.6	121	21.7	21.7	8.0	8.0	22.0	22.0	98.0	98.1	7.6	7.7	3.4	6.7	4	7	71	74	810561	821501	<0.2	<0.2	2.1	2.3
						1.0	0.7	132	21.7		8.0		22.0		98.1		7.6		3.3		5		74				<0.2		2.4	
					Middle	4.4	0.7	106	21.5	21.5	8.1	8.1	23.7	23.7	100.1	100.1	7.7		6.3		5		73				<0.2		2.6	
						4.4	0.7	109	21.5		8.1		23.7		100.1		7.7		6.5		6		73				<0.2		2.7	
					Bottom	7.8	0.5	89	21.4	21.4	8.1	8.1	25.6	25.6	100.0	100.0	7.6	7.6	10.4		13		74				<0.2		2.0	
						7.8	0.5	97	21.4		8.1		25.6		100.0		7.6		10.4		11		76				<0.2		1.8	
IM12	Cloudy	Moderate	11:37	10.1	Surface	1.0	0.7	97	22.0	22.0	8.1	8.1	22.2	22.2	102.3	102.3	7.9	7.8	5.5	9.8	7	12	71	74	811535	821162	<0.2	<0.2	2.2	2.1
						1.0	0.7	102	22.0		8.1		22.2		102.3		7.9		5.7		6		73				<0.2		2.3	
					Middle	5.1	0.5	91	21.4	21.4	8.1	8.1	25.5	25.5	99.2	99.2	7.6		9.1		11		75				<0.2		1.9	
						5.1	0.5	93	21.4		8.1		25.5		99.2		7.6		9.2		11		75				<0.2		2.0	
					Bottom	9.1	0.3	108	21.4	21.4	8.1	8.1	25.8	25.8	98.8	98.9	7.5	7.5	14.5		18		75				<0.2		1.9	
						9.1	0.3	113	21.4		8.1		25.8		98.9		7.5		14.6		19		76				<0.2		2.1	
IM13	Cloudy	Calm	12:09	4.2	Surface	1.0	0.1	196	18.3	18.4	7.8	7.8	25.9	25.9	104.2	104.2	8.4	8.4	6.3	6.4	4	5		-	807317	820085	-	-	-	-
						1.0	0.1	204	18.4		7.8		25.8		104.2		8.4		6.0		<2						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.2	0.2	159	17.7	17.7	7.8	7.8	27.0	27.0	104.5	104.6	8.5	8.5	6.5		6						-		-	
						3.2	0.2	168	17.7		7.8		27.0		104.7		8.5		6.6		8						-		-	
SR2	Cloudy	Moderate	11:09	5.1	Surface	1.0	0.5	102	21.7	21.7	8.1	8.1	23.4	23.4	99.6	99.6	7.6	7.6	4.4	5.5	5	6	74	75	814158	821463	<0.2	<0.2	2.3	2.1
						1.0	0.5	105	21.7		8.1		23.4		99.6		7.6		4.5		5		74				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.2	116	21.4	21.4	8.1	8.1	25.7	25.7	97.9	97.9	7.5	7.5	6.6		7		75				<0.2		2.0	
						4.1	0.2	120	21.4		8.1		25.7		97.9		7.5		6.4		8		75				<0.2		2.0	
SR3	Cloudy	Moderate	12:26	9.8	Surface	1.0	0.5	180	22.1	22.1	8.0	8.0	20.8	20.8	99.6	99.6	7.7	7.4	3.6	7.1	6	8		-	807583	822147	-	-	-	-
						1.0	0.5	186	22.1		8.0		20.7		99.5		7.7		3.7		6						-		-	
					Middle	4.9	0.3	174	21.1	21.1	8.0	8.0	26.4	26.4	93.6	93.7	7.1		9.2		8						-		-	
						4.9	0.3	177	21.1		8.0		26.4		93.7		7.1		9.3		8						-		-	
					Bottom	8.8	0.2	194	21.1	21.1	8.0	8.0	26.6	26.6	94.5	94.5	7.2	7.2	8.8		10						-		-	
						8.8	0.2	204	21.1		8.0		26.6		94.5		7.2		8.2		8						-		-	
SR4A	Cloudy	Moderate	11:20	8.3	Surface	1.0	0.4	101	18.2	18.2	7.8	7.8	24.1	24.1	105.0	105.0	8.6	8.5	6.4	8.6	9	13		-	807813	817189	-	-	-	-
						1.0	0.4	105	18.2		7.8		24.1		105.0		8.6		6.4		8						-		-	
					Middle	4.2	0.3	107	17.8	17.8	7.8	7.8	25.6	25.6	103.1	103.1	8.4		9.6		15						-		-	
						4.2	0.4	113	17.8		7.8		25.6		103.1		8.4		9.6		14						-		-	
					Bottom	7.3	0.3	90	17.7	17.7	7.8	7.8	26.2	26.2	102.5	102.6	8.4	8.4	9.8		14						-		-	
						7.3	0.4	91	17.7		7.8		26.1		102.6		8.4		9.7		15						-		-	
SR5A	Cloudy	Moderate	11:01	5.0	Surface	1.0	0.2	151	18.6	18.6	7.7	7.7	23.8	23.8	106.6	106.6	8.7	8.7	4.6	4.3	8	9		-	810707	816593	-	-	-	-
						1.0	0.2	164	18.6		7.7		23.8		106.6		8.7		4.6		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.2	166	18.6	18.6	7.7	7.7	24.0	24.0	105.2	105.2	8.5	8.5	4.0		8						-		-	
						4.0	0.2	166	18.6		7.7		24.0		105.2		8.5		4.1		9						-		-	
SR6	Cloudy	Calm	10:31	4.2	Surface	1.0	0.2	98	18.8	18.8	7.6	7.6	19.4	19.4	105.6	105.6	8.8	8.8	9.2	12.9	8	9		-	814666	817899	-	-	-	-
						1.0	0.2	104	18.8		7.6		19.4		105.5		8.8		9.6		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.2	0.1	115	18.5	18.5	7.4	7.4	17.9	17.9	102.4	102.4	8.6	8.6	16.5		8						-		-	
						3.2	0.2	121	18.5		7.4		17.8		102.4		8.6		16.1		10						-		-	
SR7	Cloudy	Moderate	10:03	18.5	Surface	1.0	0.2	178	21.0	21.0	8.0	8.0	28.9	28.9	98.4	98.4	7.4	7.3	2.4	4.2	4	7		-	823746	823636	-	-	-	-
						1.0	0.2	190	21.0		8.0		28.9		98.3		7.4		2.5		4						-		-	
					Middle	9.3	0.2	140	20.7	20.7	8.0	8.0	30.0	30.0	95.8	95.8	7.2		3.9		6						-		-	
						9.3	0.2	140	20.7		8.0		30.0		95.8		7.2		4.0		7						-		-	
					Bottom	17.5	0.2	90	20.6	20.6	8.0	8.0	30.6	30.6	94.9	94.9	7.1	7.1	6.0		11						-		-	
						17.5	0.2	95	20.6		8.0		30.6		94.8		7.1		6.1		10						-		-	
SR8	Cloudy	Moderate	11:30	5.9	Surface	1.0	0.3	236	22.0	22.0	8.1	8.1	23.0	23.0	99.7	99.7	7.6	7.6	4.8	5.0	9	13		-	811588	820417	-	-	-	-
						1.0	0.3	258	22.0		8.1		23.0		99.7		7.6		4.8		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.9	0.3	256	21.9	21.9	8.1	8.1	23.7	23.7	99.1	99.1	7.6	7.6	5.2		15						-		-	
						4.9	0.3	276	21.9		8.1		23.7		99.0		7.6		5.1		17						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	07:36	8.3	Surface	1.0	0.6	89	21.7	21.7	8.1	8.1	28.7	28.7	100.2	100.2	7.5	7.4	5.1	11.3	7	12	75	76	804265	815620	<0.2	<0.2	1.1	1.0
						1.0	0.7	97	21.7		8.1		28.7		100.2		7.5		5.3		5		75				<0.2		1.1	
					Middle	4.2	0.7	89	21.5	21.5	8.1	8.1	30.3	30.3	99.2	99.2	7.3		9.2		5		76				<0.2		1.0	
						4.2	0.7	93	21.5		8.1		30.3		99.2		7.3		9.4		7		76				<0.2		1.1	
					Bottom	7.3	0.7	113	21.5	21.5	8.1	8.1	30.8	30.8	97.9	97.9	7.2	7.2	19.4		24		77				<0.2		0.8	
						7.3	0.7	113	21.5		8.1		30.8		97.8		7.2		19.4		26		77				<0.2		0.8	
C2	Cloudy	Rough	09:14	9.0	Surface	1.0	0.3	264	22.2	22.2	8.0	8.0	23.6	23.7	95.0	95.1	7.2	7.3	5.1	5.9	12	13	74	75	806960	825682	<0.2	<0.2	1.1	1.3
						1.0	0.3	283	22.2		8.0		23.7		95.1		7.2		4.8		11		74				<0.2		1.3	
					Middle	4.5	0.3	272	22.0	22.0	8.1	8.1	25.5	25.5	96.2	96.2	7.3		5.6		14		75				<0.2		1.1	
						4.5	0.3	286	22.0		8.1		25.5		96.2		7.3		5.6		15		75				<0.2		1.4	
					Bottom	8.0	0.4	266	21.9	21.9	8.1	8.1	27.4	27.4	95.2	95.2	7.1	7.1	7.1		15		76				<0.2		1.5	
						8.0	0.4	285	21.9		8.1		27.4		95.2		7.1		7.0		13		77				<0.2		1.5	
C3	Cloudy	Moderate	06:24	12.2	Surface	1.0	0.3	200	22.0	22.0	8.0	8.0	25.2	25.2	89.6	89.6	6.8	6.8	9.9	12.8	16	16	73	74	817807	822109	<0.2	<0.2	2.0	1.8
						1.0	0.3	215	22.0		8.0		25.2		89.6		6.8		9.9		14		73				<0.2		1.7	
					Middle	6.1	0.4	234	21.9	21.9	8.0	8.0	25.5	25.5	89.5	89.5	6.8		12.6		18		74				<0.2		1.7	
						6.1	0.4	242	21.9		8.0		25.5		89.5		6.8		12.6		18		75				<0.2		1.8	
					Bottom	11.2	0.3	238	21.7	21.7	7.9	7.9	26.4	26.4	89.4	89.4	6.7	6.7	16.0		13		75				<0.2		1.8	
						11.2	0.4	245	21.7		7.9		26.4		89.4		6.7		16.0		15		76				<0.2		1.9	
IM1	Cloudy	Moderate	08:00	8.0	Surface	1.0	0.4	209	22.1	22.1	8.1	8.1	26.5	26.6	97.6	97.6	7.3	7.3	8.0	11.0	15	16	75	76	806462	818351	<0.2	<0.2	1.4	1.5
						1.0	0.4	223	22.1		8.1		26.6		97.6		7.3		8.0		14		74				<0.2		1.6	
					Middle	4.0	0.5	152	22.0	22.0	8.1	8.1	27.0	27.0	97.0	97.0	7.3		10.1		10		75				<0.2		1.5	
						4.0	0.5	159	22.0		8.1		27.0		97.0		7.3		10.5		9		76				<0.2		1.5	
					Bottom	7.0	0.5	153	21.7	21.7	8.1	8.1	29.1	29.1	96.6	96.6	7.2	7.2	14.6		24		76				<0.2		1.6	
						7.0	0.5	156	21.7		8.1		29.1		96.6		7.2		14.5		23		77				<0.2		1.4	
IM2	Cloudy	Moderate	08:06	9.1	Surface	1.0	0.6	239	22.2	22.2	8.1	8.1	25.7	25.8	97.8	97.8	7.3	7.3	6.1	5.9	10	9	73	74	806202	818852	<0.2	<0.2	1.5	1.5
						1.0	0.6	245	22.2		8.1		25.8		97.8		7.3		6.1		9		73				<0.2		1.4	
					Middle	4.6	0.5	122	22.0	22.0	8.1	8.1	26.6	26.7	97.9	98.0	7.3		5.2		9		74				<0.2		2.0	
						4.6	0.5	122	22.0		8.1		26.7		98.0		7.3		5.3		9		74				<0.2		1.7	
					Bottom	8.1	0.6	141	21.8	21.8	8.1	8.1	28.3	28.3	97.3	97.3	7.3	7.3	6.3		7		75				<0.2		1.2	
						8.1	0.6	147	21.8		8.1		28.3		97.3		7.3		6.4		10		75				<0.2		1.1	
IM3	Cloudy	Moderate	08:13	9.0	Surface	1.0	0.6	209	22.2	22.2	8.1	8.1	25.8	25.8	98.2	98.2	7.4	7.4	5.8	5.5	8	8	75	76	806019	819411	<0.2	<0.2	1.5	1.4
						1.0	0.6	221	22.2		8.1		25.8		98.2		7.4		5.6		9		75				<0.2		1.4	
					Middle	4.5	0.6	118	21.9	21.9	8.1	8.1	27.1	27.1	98.1	98.1	7.3		5.0		8		76				<0.2		1.4	
						4.5	0.6	121	21.9		8.1		27.1		98.1		7.4		5.1		8		77				<0.2		1.4	
					Bottom	8.0	0.6	124	21.8	21.8	8.1	8.1	29.2	29.2	97.9	97.9	7.3	7.3	5.9		6		77				<0.2		1.2	
						8.0	0.6	128	21.8		8.1		29.2		97.8		7.3		5.7		7		78				<0.2		1.2	
IM4	Cloudy	Moderate	08:21	8.6	Surface	1.0	0.5	138	21.8	21.8	8.1	8.1	28.0	28.0	97.4	97.4	7.3	7.3	5.5	7.0	7	8	75	76	805026	819570	<0.2	<0.2	0.9	0.9
						1.0	0.5	147	21.8		8.1		28.0		97.4		7.3		5.6		6		75				<0.2		0.9	
					Middle	4.3	0.5	145	21.6	21.6	8.1	8.1	29.5	29.5	96.7	96.7	7.2		7.5		7		76				<0.2		0.9	
						4.3	0.5	145	21.6		8.1		29.5		96.7		7.2		7.4		7		76				<0.2		1.0	
					Bottom	7.6	0.5	147	21.5	21.5	8.1	8.1	29.9	29.9	96.9	96.9	7.2	7.2	7.9		11		77				<0.2		0.7	
						7.6	0.6	149	21.5		8.1		29.9		96.9		7.2		7.9		10		77				<0.2		0.7	
IM5	Cloudy	Rough	08:30	7.5	Surface	1.0	0.4	123	21.8	21.8	8.1	8.1	28.2	28.2	96.2	96.2	7.2	7.2	11.1	13.0	11	12	74	74	804917	820564	<0.2	<0.2	1.0	0.8
						1.0	0.5	132	21.7		8.1		28.2		96.2		7.2		11.3		11		73				<0.2		0.8	
					Middle	3.8	0.4	109	21.6	21.6	8.1	8.1	29.5	29.5	96.0	96.0	7.1		12.6		12		74				<0.2		0.6	
						3.8	0.4	119	21.6		8.1		29.5		96.0		7.1		12.6		11		74				<0.2		0.8	
					Bottom	6.5	0.5	144	21.5	21.5	8.1	8.1	30.2	30.2	96.5	96.6	7.2	7.2	15.1		12		75				<0.2		0.6	
						6.5	0.5	153	21.5		8.1		30.2		96.6		7.2		15.2		13		75				<0.2		0.9	
IM6	Cloudy	Rough	08:39	7.6	Surface	1.0	0.6	108	21.8	21.8	8.1	8.1	27.7	27.7	96.8	96.8	7.2	7.2	8.1	8.5	7	9	76	77	805823	821060	<0.2	<0.2	0.9	0.9
						1.0	0.6	110	21.8		8.1		27.7		96.8		7.2		8.2		7		75				<0.2		0.9	
					Middle	3.8	0.6	99	21.6	21.6	8.1	8.1	29.2	29.2	96.6	96.7	7.2		9.3		7		77				<0.2		1.0	
						3.8	0.6	106	21.6		8.1		29.2		96.7		7.2		9.3		7		77				<0.2		0.9	
					Bottom	6.6	0.6	117	21.6	21.6	8.1	8.1	29.4	29.4	97.1	97.1	7.2	7.2	8.2		11		77				<0.2		0.8	
						6.6	0.6	121	21.6		8.1		29.4		97.1		7.2		7.9		12		78				<0.2		0.9	
IM7	Cloudy	Rough	08:46	8.6	Surface	1.0	0.6	124	22.0	22.0	8.1	8.1	26.7	26.7	98.5	98.5	7.4	7.4	5.1	6.4	6	7	74	76	806844	821349	<0.2	<0.2	1.3	1.1
						1.0	0.6	130	22.0		8.1		26.7		98.5		7.4		5.2		8		75				<0.2		1.3	
					Middle	4.3	0.5	115	21.8	21.8	8.1	8.1	27.9	28.0	97.7	97.7	7.3		7.0		6		76				<0.2		1.2	
						4.3	0.5	125	21.8		8.1		28.0		97.7		7.3		6.9		7		77				<0.2		1.0	
					Bottom	7.6	0.6	120	21.7	21.8	8.1	8.1	28.6	28.6	98.1	98.2	7.3	7.3	7.1		7		78				<0.2		1.1	
						7.6	0.7	129	21.8		8.1		28.5		98.2		7.3		6.9		7		78				<0.2		0.9	
IM8	Cloudy	Rough	08:53	8.9	Surface	1.0	0.7	92	22.1	22.1	8.1	8.1	26.3	26.3	97.5	97.5	7.3	7.3	6.3	9.0	13	13	74	75	807833	821695	<0.2	<0.2	1.5	1.5
						1.0	0.7	100	22.1		8.1		26.3		97.4		7.3		6.4		13		73				<0.2		1.4	
					Middle	4.5	0.7	103	22.0	22.0	8.1	8.1	27.0	27.1	97.3	97.3	7.3		7.1		11		74				<0.2		1.4	
						4.5	0.7	107	22.0		8.1		27.1		97.2		7.3		7.2		11		75				<0.2		1.5	
					Bottom	7.9	0.7	105	21.8	21.8	8.1	8.1	28.0	28.0	97.5	97.6	7.3	7.3	13.5		15		75				<0.2		1.5	
						7.9	0.7	110	21.8		8.1		28.0		97.6		7.3		13.2		14		76				<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 12 April 17 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	07:11	7.8	Surface	1.0	0.3	180	22.3	22.3	8.0	8.0	23.1	23.1	90.5	90.5	6.9	6.9	12.1	15.0	8	9	75	76	808821	822094	<0.2	<0.2	1.7	1.6
						1.0	0.3	197	22.3		8.0		23.1		90.5		6.9		12.1		9		75				<0.2		1.7	
					Middle	3.9	0.3	205	22.3	22.3	8.0	8.0	23.2	23.2	90.6	90.6	6.9		14.6		9		76				<0.2		1.7	
						3.9	0.3	222	22.3		8.0		23.2		90.6		6.9		14.8		7		76				<0.2		1.4	
					Bottom	6.8	0.3	135	22.3	22.3	7.9	7.9	23.3	23.3	91.4	91.4	6.9	6.9	18.1		10		77				<0.2		1.5	
						6.8	0.3	136	22.3		7.9		23.3		91.4		6.9		18.1		9		77				<0.2		1.3	
IM10	Cloudy	Moderate	07:04	8.6	Surface	1.0	0.4	294	22.2	22.2	7.9	7.9	24.4	24.4	89.6	89.6	6.8	6.8	10.5	12.1	8	9	74	76	809827	822240	<0.2	<0.2	1.5	1.5
						1.0	0.4	312	22.2		7.9		24.4		89.6		6.8		10.6		6		75				<0.2		1.6	
					Middle	4.3	0.4	226	22.2	22.2	7.9	7.9	24.5	24.5	89.5	89.5	6.8		12.5		10		76				<0.2		1.3	
						4.3	0.4	241	22.2		7.9		24.5		89.5		6.8		12.5		10		76				<0.2		1.3	
					Bottom	7.6	0.3	159	22.2	22.2	7.9	7.9	24.5	24.5	89.8	89.8	6.8	6.8	13.3		9		77				<0.2		1.4	
						7.6	0.3	174	22.2		7.9		24.5		89.8		6.8		13.3		11		77				<0.2		1.6	
IM11	Cloudy	Moderate	06:58	8.8	Surface	1.0	0.4	187	22.2	22.2	8.0	8.0	24.9	24.9	89.5	89.5	6.8	6.8	13.8	14.7	12	10	74	76	810564	821501	<0.2	<0.2	1.2	1.2
						1.0	0.4	196	22.2		8.0		24.9		89.5		6.8		13.8		12		75				<0.2		1.3	
					Middle	4.4	0.3	199	22.2	22.2	7.9	7.9	24.9	24.9	89.6	89.6	6.8		14.4		9		75				<0.2		1.1	
						4.4	0.3	210	22.2		7.9		24.9		89.6		6.8		14.4		8		76				<0.2		1.1	
					Bottom	7.8	0.3	199	22.2	22.2	7.9	7.9	25.0	25.0	89.9	89.9	6.8	6.8	15.9		10		76				<0.2		1.4	
						7.8	0.3	214	22.2		7.9		25.0		89.9		6.8		15.7		10		77				<0.2		1.3	
IM12	Cloudy	Moderate	06:52	9.4	Surface	1.0	0.3	229	22.2	22.2	8.0	8.0	24.5	24.5	89.5	89.5	6.8	6.8	9.6	15.4	9	8	74	75	811515	821162	<0.2	<0.2	1.6	1.4
						1.0	0.4	245	22.2		8.0		24.5		89.5		6.8		9.6		7		74				<0.2		1.7	
					Middle	4.7	0.4	263	22.1	22.1	7.9	7.9	24.8	24.8	89.4	89.4	6.8		14.3		8		75				<0.2		1.3	
						4.7	0.4	276	22.1		7.9		24.8		89.4		6.8		14.3		8		75				<0.2		1.3	
					Bottom	8.4	0.4	245	22.1	22.1	7.8	7.8	24.6	24.6	90.7	90.7	6.9	6.9	22.4		6		76				<0.2		1.3	
						8.4	0.4	252	22.1		7.8		24.6		90.7		6.9		22.4		8		76				<0.2		1.3	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	06:31	5.4	Surface	1.0	0.2	160	22.1	22.1	7.9	7.9	24.3	24.3	89.7	89.7	6.8	6.8	9.7	11.7	10	9	74	75	814170	821463	<0.2	<0.2	0.7	0.8
						1.0	0.2	167	22.1		7.9		24.3		89.7		6.8		9.7		12		75				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.4	0.2	200	22.1	22.1	7.8	7.8	24.5	24.5	90.5	90.5	6.9	6.9	13.8		5		75				<0.2		1.0	
						4.4	0.3	219	22.1		7.7		24.5		90.5		6.9		13.7		7		76				<0.2		0.9	
SR3	Cloudy	Rough	09:05	9.4	Surface	1.0	0.6	150	22.2	22.2	8.0	8.0	24.0	24.0	96.0	96.0	7.3	7.3	5.0	5.5	16	14		-	807570	822147	-	-	-	-
						1.0	0.6	161	22.2		8.0		24.0		96.0		7.3		5.0		11						-		-	
					Middle	4.7	0.7	105	22.1	22.1	8.1	8.1	25.2	25.2	96.7	96.6	7.3		5.5		11						-		-	
						4.7	0.7	105	22.1		8.1		25.2		96.5		7.3		5.5		14						-		-	
					Bottom	8.4	0.7	104	22.0	22.0	8.1	8.1	27.2	27.2	96.1	96.1	7.2	7.2	6.0		15						-		-	
						8.4	0.7	112	22.0		8.1		27.2		96.0		7.2		6.0		15						-		-	
SR4A	Cloudy	Calm	07:14	9.6	Surface	1.0	0.4	79	22.3	22.3	8.0	8.0	25.4	25.4	95.7	95.8	7.2	7.2	11.5	16.1	20	20		-	807823	817189	-	-	-	-
						1.0	0.4	82	22.3		8.0		25.4		95.8		7.2		11.6		16						-		-	
					Middle	4.8	0.4	84	22.3	22.3	8.0	8.0	25.5	25.5	95.8	95.8	7.2		12.8		19						-		-	
						4.8	0.4	89	22.3		8.0		25.5		95.8		7.2		12.9		19						-		-	
					Bottom	8.6	0.4	83	22.3	22.3	8.0	8.0	25.5	25.5	96.0	96.0	7.2	7.2	23.5		21						-		-	
						8.6	0.4	88	22.3		8.0		25.5		96.0		7.2		24.4		22						-		-	
SR5A	Cloudy	Calm	06:55	5.8	Surface	1.0	0.3	142	22.9	22.9	8.0	8.0	25.4	25.4	94.5	94.6	7.0	7.0	8.8	8.4	12	12		-	810683	816593	-	-	-	-
						1.0	0.3	143	22.9		8.0		25.4		94.6		7.0		8.8		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.8	0.3	156	22.9	22.9	8.0	8.0	25.4	25.4	95.4	95.4	7.1	7.1	8.0		13						-		-	
						4.8	0.3	166	22.9		8.0		25.4		95.4		7.1		8.0		11						-		-	
SR6	Cloudy	Calm	06:30	5.0	Surface	1.0	0.1	143	22.4	22.4	8.0	8.0	24.2	24.2	93.8	93.9	7.1	7.1	6.0	6.2	8	8		-	814657	817899	-	-	-	-
						1.0	0.1	147	22.4		8.0		24.2		93.9		7.1		6.1		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.2	122	22.3	22.3	8.0	8.0	24.2	24.2	95.5	95.5	7.2	7.2	6.4		10						-		-	
						4.0	0.2	123	22.3		8.0		24.2		95.5		7.2		6.4		8						-		-	
SR7	Fine	Calm	05:54	16.8	Surface	1.0	0.2	144	21.6	21.6	8.0	8.0	29.6	29.6	92.5	92.6	6.9	6.9	4.2	6.3	7	6		-	823729	823636	-	-	-	-
						1.0	0.2	148	21.6		8.0		29.6		92.6		6.9		4.3		5						-		-	
					Middle	8.4	0.3	102	21.5	21.5	8.0	8.0	30.7	30.7	93.0	93.0	6.9		7.7		4						-		-	
						8.4	0.3	105	21.5		8.0		30.7		93.0		6.9		7.8		5						-		-	
					Bottom	15.8	0.2	139	21.5	21.5	8.0	8.0	30.9	30.9	93.1	93.1	6.9	6.9	6.8		5						-		-	
						15.8	0.2	142	21.5		8.0		30.9		93.1		6.9		6.9		7						-		-	
SR8	Cloudy	Moderate	06:45	6.2	Surface	1.0	0.2	144	22.2	22.2	7.9	7.9	25.1	25.1	90.1	90.1	6.8	6.8	10.3	10.4	14	14		-	811575	820417	-	-	-	-
						1.0	0.3	155	22.2		7.9		25.1		90.1		6.8		10.3		16						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	5.2	0.3	115	22.2	22.2	7.8	7.8	25.2	25.2	90.7	90.7	6.8	6.8	10.5		13						-		-	
						5.2	0.3	119	22.2		7.8		25.2		90.7		6.8		10.5		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 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	13:14	8.2	Surface	1.0	0.8	209	22.0	22.0	8.1	8.1	26.8	26.8	100.6	100.6	7.5	7.5	3.4	3.1	8	7	76	77	804259	815620	<0.2	<0.2	1.4	1.2
						1.0	0.8	228	22.0		8.1		26.8		100.6		7.5		3.5		6		76				<0.2		1.3	
					Middle	4.1	0.7	194	21.6	21.6	8.1	8.1	29.2	29.3	99.7	99.7	7.4		3.4		6		77				<0.2		1.5	
						4.1	0.7	202	21.6		8.1		29.3		99.7		7.4		3.5		8		78				<0.2		1.3	
					Bottom	7.2	0.4	192	21.5	21.5	8.1	8.1	30.8	30.8	99.3	99.3	7.3	7.3	2.5		8		78				<0.2		0.7	
						7.2	0.5	204	21.5		8.1		30.8		99.3		7.3		2.5		6		78				<0.2		0.8	
C2	Cloudy	Rough	11:59	9.0	Surface	1.0	0.7	178	22.2	22.2	8.0	8.0	23.5	23.6	95.3	95.4	7.2	7.3	4.6	5.1	11	13	75	75	806934	825682	<0.2	<0.2	1.3	1.3
						1.0	0.7	190	22.2		8.0		23.6		95.4		7.2		4.7		13		74				<0.2		1.2	
					Middle	4.5	0.7	182	22.1	22.1	8.1	8.1	25.5	25.5	97.1	97.1	7.3		4.9		13		75				<0.2		1.2	
						4.5	0.8	187	22.1		8.1		25.5		97.1		7.3		5.0		14		75				<0.2		1.3	
					Bottom	8.0	0.7	192	21.9	21.9	8.1	8.1	27.9	27.9	96.8	96.8	7.2	7.2	5.6		13		76				<0.2		1.3	
						8.0	0.8	193	21.9		8.1		27.9		96.8		7.2		5.6		11		77				<0.2		1.3	
C3	Cloudy	Moderate	14:44	12.4	Surface	1.0	0.7	120	22.0	22.0	8.0	8.0	26.1	26.1	90.7	90.7	6.8	6.8	5.4	5.0	11	15	74	75	817817	822109	<0.2	<0.2	1.6	1.5
						1.0	0.7	130	22.0		8.0		26.1		90.7		6.8		5.4		13		74				<0.2		1.6	
					Middle	6.2	0.4	88	21.8	21.8	8.0	8.0	27.2	27.2	90.5	90.5	6.8		4.8		15		76				<0.2		1.5	
						6.2	0.5	95	21.8		8.0		27.2		90.5		6.8		4.8		14		75				<0.2		1.5	
					Bottom	11.4	0.5	44	21.8	21.8	8.0	8.0	27.4	27.4	91.1	91.1	6.8	6.8	4.8		19		76				<0.2		1.4	
						11.4	0.5	44	21.8		8.0		27.4		91.1		6.8		4.8		18		77				<0.2		1.6	
IM1	Cloudy	Rough	12:56	7.8	Surface	1.0	0.6	178	21.7	21.7	8.1	8.1	28.0	28.0	97.7	97.7	7.3	7.3	4.1	4.9	6	8	75	76	806468	818351	<0.2	<0.2	1.2	1.0
						1.0	0.6	185	21.7		8.1		27.9		97.7		7.3		4.2		7		75				<0.2		1.3	
					Middle	3.9	0.5	158	21.6	21.6	8.1	8.1	29.7	29.7	97.1	97.1	7.2		5.0		8		76				<0.2		1.1	
						3.9	0.5	165	21.6		8.1		29.7		97.0		7.2		4.9		6		76				<0.2		1.0	
					Bottom	6.8	0.4	169	21.6	21.6	8.1	8.1	29.8	29.8	97.8	97.9	7.3	7.3	5.4		9		77				<0.2		0.5	
						6.8	0.5	176	21.6		8.1		29.8		97.9		7.3		5.5		10		77				<0.2		0.6	
IM2	Cloudy	Rough	12:51	8.4	Surface	1.0	0.6	187	22.0	22.0	8.1	8.1	25.8	25.6	97.9	97.9	7.4	7.3	3.9	5.3	6	9	75	76	806177	818852	<0.2	<0.2	1.5	1.3
						1.0	0.6	199	22.0		8.1		25.3		97.9		7.4		4.0		7		75				<0.2		1.4	
					Middle	4.2	0.6	164	21.7	21.7	8.1	8.1	28.4	28.4	97.0	97.0	7.2		5.7		8		76				<0.2		1.5	
						4.2	0.6	176	21.7		8.1		28.4		97.0		7.2		5.8		6		77				<0.2		1.6	
					Bottom	7.4	0.5	168	21.6	21.6	8.1	8.1	29.8	29.8	97.3	97.4	7.2	7.2	6.3		13		77				<0.2		0.7	
						7.4	0.5	177	21.6		8.1		29.8		97.4		7.2		6.3		13		78				<0.2		0.8	
IM3	Cloudy	Rough	12:44	8.6	Surface	1.0	0.6	193	22.0	22.0	8.1	8.1	26.3	26.3	97.8	97.8	7.3	7.3	5.7	7.7	8	13	74	75	806014	819411	<0.2	<0.2	1.3	1.2
						1.0	0.6	204	22.0		8.1		26.3		97.8		7.3		5.9		6		73				<0.2		1.5	
					Middle	4.3	0.6	179	21.8	21.8	8.1	8.1	28.1	28.1	97.1	97.1	7.2		8.2		9		74				<0.2		1.3	
						4.3	0.6	196	21.8		8.1		28.1		97.0		7.2		8.3		8		75				<0.2		1.3	
					Bottom	7.6	0.5	166	21.6	21.6	8.1	8.1	29.5	29.5	97.5	97.6	7.2	7.2	9.0		23		75				<0.2		0.9	
						7.6	0.5	178	21.6		8.1		29.5		97.6		7.2		9.1		23		76				<0.2		1.0	
IM4	Cloudy	Rough	12:37	8.2	Surface	1.0	0.7	178	21.6	21.6	8.1	8.1	28.8	28.8	96.3	96.3	7.2	7.2	11.7	15.2	15	13	75	76	805036	819570	<0.2	<0.2	1.0	0.9
						1.0	0.8	187	21.6		8.1		28.8		96.2		7.2		11.9		14		75				<0.2		1.0	
					Middle	4.1	0.5	185	21.6	21.6	8.1	8.1	29.6	29.6	95.8	95.8	7.1		15.5		15		75				<0.2		0.9	
						4.1	0.6	201	21.5		8.1		29.6		95.8		7.1		15.5		12		76				<0.2		1.0	
					Bottom	7.2	0.6	174	21.5	21.5	8.1	8.1	29.9	29.9	95.7	95.8	7.1	7.1	18.4		12		77				<0.2		0.8	
						7.2	0.6	174	21.5		8.1		29.9		95.8		7.1		18.1		11		77				<0.2		0.8	
IM5	Cloudy	Rough	12:30	7.5	Surface	1.0	0.8	156	21.6	21.6	8.1	8.1	28.3	28.3	97.0	97.0	7.2	7.2	7.4	10.4	6	10	74	75	804933	820564	<0.2	<0.2	1.2	1.1
						1.0	0.8	162	21.6		8.1		28.3		96.9		7.2		7.5		8		74				<0.2		1.2	
					Middle	3.8	0.8	142	21.5	21.5	8.1	8.1	29.7	29.7	96.2	96.2	7.1		11.2		7		75				<0.2		1.1	
						3.8	0.8	148	21.5		8.1		29.6		96.2		7.2		11.4		8		75				<0.2		0.9	
					Bottom	6.5	0.8	153	21.5	21.5	8.1	8.1	30.0	30.0	97.6	97.7	7.2	7.2	12.5		16		76				<0.2		0.9	
						6.5	0.8	153	21.5		8.1		29.9		97.7		7.2		12.3		15		76				<0.2		1.0	
IM6	Cloudy	Rough	12:22	7.6	Surface	1.0	0.6	155	21.8	21.8	8.1	8.1	27.9	27.9	96.5	96.5	7.2	7.2	9.8	10.6	12	14	74	75	805844	821060	<0.2	<0.2	1.1	1.0
						1.0	0.7	158	21.8		8.1		27.9		96.5		7.2		9.9		13		74				<0.2		1.1	
					Middle	3.8	0.6	139	21.6	21.6	8.1	8.1	29.3	29.3	96.6	96.6	7.2		10.9		14		75				<0.2		1.2	
						3.8	0.6	149	21.6		8.1		29.3		96.6		7.2		10.9		15		75				<0.2		1.1	
					Bottom	6.6	0.5	145	21.6	21.6	8.1	8.1	29.6	29.6	97.4	97.5	7.2	7.2	11.1		15		77				<0.2		0.8	
						6.6	0.5	149	21.6		8.1		29.6		97.5		7.2		11.0		13		76				<0.2		0.9	
IM7	Cloudy	Rough	12:11	8.8	Surface	1.0	0.6	133	21.8	21.8	8.1	8.1	27.5	27.5	98.3	98.3	7.4	7.4	4.4	6.9	8	8	76	77	806835	821349	<0.2	<0.2	1.3	1.2
						1.0	0.6	134	21.8		8.1		27.5		98.3		7.4		4.5		6		75				<0.2		1.1	
					Middle	4.4	0.6	135	21.7	21.7	8.1	8.1	28.3	28.3	97.6	97.6	7.3		6.3		7		76				<0.2		1.2	
						4.4	0.6	139	21.7		8.1		28.3		97.6		7.3		6.4		8		77				<0.2		1.2	
					Bottom	7.8	0.6	127	21.7	21.7	8.1	8.1	29.1	29.1	97.6	97.6	7.3	7.3	10.0		9		78				<0.2		1.2	
						7.8	0.6	138	21.7		8.1		29.1		97.6		7.3		10.0		9		77				<0.2		1.2	
IM8	Cloudy	Rough	12:05	8.6	Surface	1.0	0.5	140	22.2	22.2	8.0	8.0	22.5	22.5	96.5	96.5	7.4	7.4	3.4	4.1	6	8	74	76	807837	821695	<0.2	0.2	2.1	2.3
						1.0	0.5	143	22.2		8.0		22.5		96.5		7.4		3.4		8		75				<0.2		2.2	
					Middle	4.3	0.5	96	22.1	22.1	8.1	8.1	25.9	25.9	97.3	97.4	7.3		3.8		9		75				<0.2		2.3	
						4.3	0.5	103	22.1		8.1		25.9		97.4		7.3		3.9		10		76				<0.2		2.2	
					Bottom	7.6	0.7	79	22.0	22.0	8.1	8.1	27.9	28.0	96.6	96.6	7.2	7.2	5.1		7		76				0.2		2.4	
						7.6	0.7	83	22.0		8.1		28.0		96.6		7.2		5.0		9		77				<0.2		2.4	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	13:55	7.9	Surface	1.0	0.6	138	22.1	22.1	8.0	8.0	23.7	23.7	93.4	93.5	7.1	7.1	5.0	6.0	9	12	73	74	808806	822094	<0.2	0.2	2.2	2.2
						1.0	0.6	142	22.1		8.0		23.7		93.5		7.1		5.1		11		73				0.2		2.4	
					Middle	4.0	0.4	90	22.0	22.0	8.0	8.0	25.3	25.3	93.8	93.8	7.1		6.1		12		74				<0.2		2.2	
						4.0	0.4	95	22.0		8.0		25.3		93.8		7.1		6.1		15		74				<0.2		2.1	
					Bottom	6.9	0.4	108	21.8	21.8	8.0	8.0	26.9	26.9	93.9	93.9	7.1	7.1	6.7		13		75				0.2		2.1	
						6.9	0.4	117	21.8		8.0		26.9		93.9		7.1		6.7		13		76				<0.2		2.2	
IM10	Cloudy	Moderate	14:01	8.7	Surface	1.0	0.3	175	22.1	22.1	8.0	8.0	23.8	23.8	92.2	92.2	7.0	7.1	5.7	5.8	12	10	73	74	809831	822240	<0.2	0.2	2.2	2.0
						1.0	0.3	180	22.1		8.0		23.8		92.2		7.0		5.7		11		74				<0.2		2.0	
					Middle	4.4	0.3	146	22.1	22.1	8.0	8.0	23.9	23.9	92.9	92.9	7.1		5.7		9		74				<0.2		2.0	
						4.4	0.4	154	22.1		8.0		23.9		92.9		7.1		5.7		10		75				<0.2		1.7	
					Bottom	7.7	0.3	153	22.0	22.0	7.9	7.9	25.0	25.0	94.0	94.0	7.1	7.1	5.9		8		75				0.2		2.0	
						7.7	0.3	163	22.0		7.9		25.0		94.0		7.1		5.9		10		75				<0.2		1.9	
IM11	Cloudy	Moderate	14:06	8.4	Surface	1.0	0.6	120	22.1	22.1	8.0	8.0	24.0	24.0	93.3	93.3	7.1	7.1	5.4	5.9	11	10	74	76	810547	821501	<0.2	<0.2	1.3	1.5
						1.0	0.6	130	22.1		8.0		24.0		93.3		7.1		5.4		9		75				<0.2		1.3	
					Middle	4.2	0.6	120	22.0	22.0	8.0	8.0	24.6	24.6	93.8	93.8	7.1		6.1		11		75				<0.2		1.6	
						4.2	0.6	129	22.0		8.0		24.6		93.8		7.1		6.1		9		76				<0.2		1.4	
					Bottom	7.4	0.5	97	22.0	22.0	8.0	8.0	25.0	25.0	94.3	94.3	7.1	7.1	6.2		10		77				<0.2		1.6	
						7.4	0.6	105	22.0		8.0		25.0		94.3		7.1		6.2		8		77				<0.2		1.6	
IM12	Cloudy	Moderate	14:12	7.7	Surface	1.0	0.8	118	22.1	22.1	8.0	8.0	24.5	24.5	92.9	92.9	7.0	7.1	6.6	8.8	13	12	75	76	811526	821162	<0.2	<0.2	1.5	1.6
						1.0	0.8	122	22.1		8.0		24.5		92.9		7.0		6.6		13		75				<0.2		1.6	
					Middle	3.9	0.7	115	22.0	22.0	8.0	8.0	25.1	25.1	93.3	93.3	7.1		9.0		10		76				<0.2		1.6	
						3.9	0.8	122	22.0		8.0		25.1		93.3		7.1		9.0		9		76				<0.2		1.5	
					Bottom	6.7	0.5	96	22.0	22.0	8.0	8.0	25.4	25.4	94.8	94.8	7.2	7.2	10.8		14		76				<0.2		1.5	
						6.7	0.5	102	22.0		8.0		25.4		94.8		7.2		10.8		12		76				<0.2		1.6	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	14:25	4.8	Surface	1.0	0.7	105	22.1	22.1	8.0	8.0	24.5	24.5	94.8	94.8	7.2	7.2	5.1	5.9	12	11	75	76	814180	821463	<0.2	<0.2	1.1	1.2
						1.0	0.7	113	22.1		8.0		24.5		94.8		7.2		5.1		12		75				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.8	0.5	100	22.0	22.0	7.8	7.8	26.2	26.2	96.1	96.1	7.2	7.2	6.7		10		77				<0.2		1.5	
						3.8	0.6	102	22.0		7.8		26.2		96.1		7.2		6.7		10		77				<0.2		1.3	
SR3	Cloudy	Rough	12:01	9.4	Surface	1.0	0.5	138	22.2	22.2	8.0	8.0	23.5	23.5	96.6	96.6	7.3	7.4	4.5	4.7	9	10		-	807557	822147	-	-	-	-
						1.0	0.6	143	22.2		8.0		23.5		96.6		7.4		4.6		10						-		-	
					Middle	4.7	0.5	87	22.1	22.1	8.1	8.1	24.9	24.9	97.2	97.2	7.3		4.7		8						-		-	
						4.7	0.5	87	22.1		8.1		24.9		97.2		7.4		4.6		9						-		-	
					Bottom	8.4	0.6	85	22.0	22.0	8.1	8.1	27.8	27.9	96.9	96.9	7.2	7.2	5.1		10						-		-	
						8.4	0.6	90	22.0		8.1		27.9		96.9		7.2		4.9		11						-		-	
SR4A	Cloudy	Calm	13:41	9.1	Surface	1.0	0.3	105	21.8	21.8	8.1	8.1	28.4	28.4	96.7	96.7	7.2	7.2	8.6	10.3	10	12		-	807815	817189	-	-	-	-
						1.0	0.3	109	21.8		8.1		28.4		96.7		7.2		8.7		9						-		-	
					Middle	4.6	0.4	94	21.7	21.7	8.1	8.1	28.8	28.8	96.7	96.8	7.2		11.2		10						-		-	
						4.6	0.4	94	21.7		8.1		28.8		96.8		7.2		11.2		10						-		-	
					Bottom	8.1	0.3	110	21.7	21.7	8.1	8.1	29.3	29.3	97.2	97.3	7.2	7.2	11.1		16						-		-	
						8.1	0.3	115	21.7		8.1		29.3		97.3		7.2		11.1		16						-		-	
SR5A	Cloudy	Calm	13:58	4.7	Surface	1.0	0.2	152	22.8	22.8	8.0	8.0	25.5	25.5	95.5	95.5	7.1	7.1	7.5	7.8	10	10		-	810692	816593	-	-	-	-
						1.0	0.2	163	22.8		8.0		25.5		95.5		7.1		7.5		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.7	0.2	130	22.6	22.6	8.0	8.0	25.7	25.7	96.0	96.1	7.2	7.2	8.0		9						-		-	
						3.7	0.2	130	22.6		8.0		25.7		96.1		7.2		8.0		10						-		-	
SR6	Cloudy	Calm	14:22	4.1	Surface	1.0	0.2	140	22.7	22.7	8.0	8.0	24.9	24.9	95.1	95.1	7.1	7.1	8.6	6.5	12	18		-	814682	817899	-	-	-	-
						1.0	0.2	153	22.7		8.0		24.9		95.1		7.1		8.7		14						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.1	0.2	135	22.7	22.7	8.0	8.0	24.9	24.9	96.3	96.3	7.2	7.2	4.5		24						-		-	
						3.1	0.2	136	22.7		8.0		24.9		96.3		7.2		4.3		23						-		-	
SR7	Cloudy	Moderate	15:10	16.1	Surface	1.0	0.6	69	22.0	22.0	8.0	8.0	26.0	26.0	94.1	94.1	7.1	7.1	2.3	3.2	7	7		-	823723	823636	-	-	-	-
						1.0	0.6	73	22.0		8.0		25.9		94.1		7.1		2.3		7						-		-	
					Middle	8.1	0.5	73	22.0	22.0	8.0	8.0	26.4	26.4	94.1	94.1	7.1		2.8		9						-		-	
						8.1	0.5	74	22.0		8.0		26.4		94.1		7.1		2.9		7						-		-	
					Bottom	15.1	0.4	119	22.0	22.0	8.0	8.0	26.5	26.5	95.1	95.1	7.1	7.1	4.7		8						-		-	
						15.1	0.4	128	22.0		8.0		26.5		95.1		7.1		4.4		6						-		-	
SR8	Cloudy	Moderate	14:18	4.6	Surface	1.0	0.7	105	22.1	22.1	8.0	8.0	24.3	24.3	92.8	92.8	7.0	7.0	8.8	8.7	15	14		-	811582	820417	-	-	-	-
						1.0	0.7	110	22.1		8.0		24.3		92.8		7.0		8.8		14						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.6	98	22.1	22.1	8.0	8.0	24.4	24.4	93.3	93.3	7.1	7.1	8.5		14						-		-	
						3.6	0.6	100	22.1		8.0		24.4		93.3		7.1		8.5		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 14 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:34	8.1	Surface	1.0	0.7	80	17.7	17.7	7.8	7.8	28.7	28.7	100.2	100.2	8.0	8.0	10.7	20.0	22	31	74	75	804242	815620	<0.2	<0.2	0.6	0.5
						1.0	0.7	83	17.7		7.8		28.7		100.2		8.0		9.6		19		74				<0.2		0.6	
					Middle	4.1	0.7	65	17.8	17.8	7.8	7.8	28.5	28.5	99.7	99.7	8.0		15.3		31		75				<0.2		0.6	
						4.1	0.7	65	17.8		7.8		28.5		99.7		8.0		15.3		30		75				<0.2		0.6	
					Bottom	7.1	0.7	78	17.8	17.8	7.8	7.8	28.3	28.3	99.2	99.2	8.0	8.0	35.1		42		76				<0.2		0.4	
						7.1	0.7	78	17.8		7.8		28.2		99.2		8.0		34.0		41		76				<0.2		0.4	
C2	Cloudy	Moderate	09:38	12.9	Surface	1.0	0.6	128	21.8	21.8	8.0	8.0	25.1	25.1	91.5	91.5	7.0	7.0	8.0	11.3	9	9	75	78	806949	825682	<0.2	<0.2	1.9	1.9
						1.0	0.6	130	21.8		8.0		25.1		91.5		7.0		8.1		10		76				<0.2		2.0	
					Middle	6.5	0.6	138	21.8	21.8	8.0	8.0	25.4	25.4	91.6	91.6	6.9		11.4		9		78				<0.2		1.8	
						6.5	0.6	140	21.8		8.0		25.4		91.6		6.9		11.4		10		78				<0.2		1.8	
					Bottom	11.9	0.6	215	21.8	21.8	8.1	8.1	25.3	25.3	93.1	93.1	7.1	7.1	14.5		8		79				<0.2		2.0	
						11.9	0.6	219	21.8		8.1		25.3		93.1		7.1		14.5		9		79				<0.2		1.8	
C3	Cloudy	Moderate	07:14	12.6	Surface	1.0	0.4	242	21.6	21.6	8.1	8.1	29.0	29.0	91.8	91.8	6.8	6.8	3.5	7.8	4	5	74	76	817807	822109	<0.2	<0.2	1.7	1.6
						1.0	0.5	252	21.6		8.1		29.0		91.8		6.8		3.3		3		74				<0.2		1.7	
					Middle	6.3	0.5	241	21.5	21.5	8.1	8.1	30.6	30.6	91.4	91.5	6.8		6.4		5		75				<0.2		1.5	
						6.3	0.5	245	21.5		8.1		30.6		91.5		6.8		6.5		4		75				<0.2		1.4	
					Bottom	11.6	0.5	238	21.5	21.5	8.1	8.1	30.7	30.7	92.6	92.6	6.8	6.8	13.4		6		77				<0.2		1.7	
						11.6	0.5	245	21.5		8.1		30.7		92.6		6.8		13.4		6		78				<0.2		1.5	
IM1	Cloudy	Moderate	08:54	7.2	Surface	1.0	0.4	285	17.6	17.6	7.7	7.7	25.9	25.9	95.9	95.9	7.8	7.8	7.2	10.9	8	20	75	76	806446	818351	<0.2	<0.2	1.2	1.0
						1.0	0.4	307	17.6		7.7		25.9		95.9		7.8		7.2		10		75				<0.2		1.1	
					Middle	3.6	0.4	30	17.7	17.7	7.7	7.7	26.5	26.5	95.7	95.8	7.8		8.9		12		76				<0.2		1.0	
						3.6	0.5	32	17.7		7.7		26.5		95.8		7.8		9.2		11		76				<0.2		1.0	
					Bottom	6.2	0.4	35	17.6	17.6	7.8	7.8	26.9	26.9	96.5	96.6	7.8	7.8	16.0		38		77				<0.2		0.8	
						6.2	0.4	35	17.6		7.8		26.8		96.6		7.8		16.6		42		77				<0.2		0.9	
IM2	Cloudy	Moderate	09:01	8.2	Surface	1.0	0.5	144	17.6	17.6	7.8	7.8	26.5	26.5	97.3	97.4	7.9	7.9	5.8	17.9	8	29	74	75	806192	818852	<0.2	<0.2	1.0	0.8
						1.0	0.5	150	17.6		7.8		26.5		97.4		7.9		5.9		10		73				<0.2		1.0	
					Middle	4.1	0.5	70	17.6	17.6	7.8	7.8	27.7	27.7	97.5	97.5	7.9		8.9		6		74				<0.2		0.8	
						4.1	0.5	70	17.6		7.8		27.7		97.5		7.9		8.9		6		75				<0.2		0.7	
					Bottom	7.2	0.4	78	17.7	17.7	7.8	7.8	27.5	27.5	97.4	97.4	7.9	7.9	38.4		72		75				<0.2		0.6	
						7.2	0.4	80	17.7		7.8		27.4		97.4		7.9		39.5		69		76				<0.2		0.6	
IM3	Cloudy	Moderate	09:09	8.5	Surface	1.0	0.4	102	17.5	17.5	7.8	7.8	26.4	26.4	98.3	98.3	8.0	8.0	4.5	14.7	8	18	74	75	806031	819411	<0.2	<0.2	0.8	0.7
						1.0	0.5	107	17.5		7.8		26.4		98.3		8.0		4.5		7		74				<0.2		0.9	
					Middle	4.3	0.5	83	17.5	17.5	7.8	7.8	27.7	27.7	97.6	97.6	7.9		8.8		8		75				<0.2		0.7	
						4.3	0.5	83	17.5		7.8		27.7		97.6		7.9		8.8		10		75				<0.2		0.7	
					Bottom	7.5	0.4	91	17.7	17.7	7.8	7.8	27.7	27.7	96.9	97.1	7.8	7.8	30.9		40		76				<0.2		0.5	
						7.5	0.4	91	17.7		7.8		27.7		97.2		7.8		30.5		37		77				<0.2		0.5	
IM4	Cloudy	Moderate	09:20	8.2	Surface	1.0	0.4	114	17.6	17.6	7.8	7.8	28.3	28.3	98.2	98.2	7.9	7.9	6.9	10.9	12	16	74	76	805025	819570	<0.2	<0.2	0.7	0.6
						1.0	0.5	118	17.6		7.8		28.3		98.1		7.9		7.2		10		75				<0.2		0.6	
					Middle	4.1	0.4	121	17.7	17.7	7.8	7.8	28.7	28.7	97.2	97.2	7.8		11.1		14		75				<0.2		0.5	
						4.1	0.5	124	17.7		7.8		28.7		97.1		7.8		11.3		13		76				<0.2		0.4	
					Bottom	7.2	0.4	107	17.7	17.7	7.8	7.8	28.7	28.6	97.1	97.2	7.8	7.8	14.5		21		76				<0.2		0.6	
						7.2	0.4	107	17.7		7.8		28.5		97.2		7.8		14.5		23		77				<0.2		0.6	
IM5	Cloudy	Moderate	09:29	7.1	Surface	1.0	0.4	88	17.6	17.6	7.8	7.8	27.7	27.7	97.7	97.7	7.9	7.8	5.2	15.9	10	20	73	74	804935	820564	<0.2	<0.2	0.8	0.7
						1.0	0.4	94	17.6		7.8		27.7		97.6		7.9		5.2		11		73				<0.2		0.8	
					Middle	3.6	0.4	95	17.7	17.7	7.8	7.8	28.1	28.1	96.0	96.0	7.7		12.1		11		74				<0.2		0.7	
						3.6	0.4	103	17.7		7.8		28.1		95.9		7.7		12.2		11		74				<0.2		0.8	
					Bottom	6.1	0.3	146	17.7	17.7	7.8	7.8	27.9	27.9	97.0	97.1	7.8	7.8	31.0		37		75				<0.2		0.6	
						6.1	0.4	148	17.7		7.8		27.8		97.2		7.8		29.8		38		76				<0.2		0.6	
IM6	Cloudy	Moderate	09:39	7.0	Surface	1.0	0.4	101	17.6	17.6	7.8	7.8	27.5	27.5	97.4	97.4	7.9	7.8	6.0	15.0	10	19	73	74	805825	821060	<0.2	<0.2	0.8	0.7
						1.0	0.5	102	17.6		7.8		27.5		97.4		7.9		6.1		8		74				<0.2		0.7	
					Middle	3.5	0.4	105	17.7	17.7	7.8	7.8	28.1	28.1	96.1	96.1	7.7		16.2		14		74				<0.2		0.6	
						3.5	0.4	107	17.7		7.8		28.1		96.1		7.7		16.3		12		75				<0.2		0.6	
					Bottom	6.0	0.3	130	17.7	17.7	7.8	7.8	27.9	27.9	97.0	97.2	7.8	7.8	22.0		33		75				<0.2		0.7	
						6.0	0.3	142	17.7		7.8		27.8		97.3		7.8		23.1		35		75				<0.2		0.6	
IM7	Cloudy	Moderate	09:46	8.3	Surface	1.0	0.5	84	17.6	17.6	7.8	7.8	26.8	26.8	97.7	97.7	7.9	7.9	4.6	12.0	6	15	75	76	806844	821349	<0.2	<0.2	1.0	0.8
						1.0	0.5	90	17.6		7.8		26.8		97.6		7.9		4.6		6		75				<0.2		1.0	
					Middle	4.2	0.5	70	17.6	17.6	7.8	7.8	27.3	27.4	96.7	96.6	7.8		7.3		8		76				<0.2		0.9	
						4.2	0.5	74	17.6		7.8		27.4		96.5		7.8		7.9		6		76				<0.2		0.9	
					Bottom	7.3	0.4	91	17.7	17.7	7.8	7.8	27.9	27.9	96.5	96.6	7.8	7.8	23.3		30		76				<0.2		0.6	
						7.3	0.4	98	17.7		7.8		27.9		96.7		7.8		24.0		32		76				<0.2		0.6	
IM8	Cloudy	Moderate	09:05	9.2	Surface	1.0	0.8	102	21.3	21.3	8.1	8.1	28.6	28.6	94.4	94.4	7.1	7.1	6.6	12.7	6	5	74	76	807823	821695	<0.2	<0.2	1.2	1.2
						1.0	0.8	104	21.3		8.1		28.6		94.4		7.1		6.7		8		74				<0.2		1.1	
					Middle	4.6	0.7	97	21.4	21.4	8.1	8.1	29.3	29.3	93.7	93.7	7.0		10.7		6		75				<0.2		1.2	
						4.6	0.7	102	21.4		8.1		29.2		93.6		7.0		10.8		4		76				<0.2		1.2	
					Bottom	8.2	0.7	103	21.4	21.4	8.1	8.1	29.8	29.8	93.6	93.7	7.0	7.0	20.3		4		77				<0.2		1.2	
						8.2	0.7	110	21.4		8.1		29.8		93.7		7.0		20.9		4		77				<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 14 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:53	8.3	Surface	1.0	0.5	177	21.7	21.7	8.1	8.1	26.0	26.0	92.5	92.5	7.0	7.0	6.3	12.6	6	6	73	76	808811	822094	<0.2	<0.2	1.9	1.9
						1.0	0.5	186	21.7		8.1		26.0		92.5		7.0		5.6		6		74				<0.2		1.9	
					Middle	4.2	0.6	103	21.5	21.5	8.1	8.1	27.7	27.7	93.0	93.1	7.0		8.6		7		76				<0.2		1.7	
						4.2	0.6	104	21.5		8.1		27.7		93.1		7.0		8.8		6		76				<0.2		1.9	
					Bottom	7.3	0.6	86	21.4	21.4	8.1	8.1	29.1	29.1	93.9	93.9	7.0	7.0	23.2		4		77				<0.2		2.0	
						7.3	0.7	87	21.4		8.1		29.1		93.9		7.0		23.3		6		78				<0.2		1.8	
IM10	Cloudy	Moderate	08:41	8.4	Surface	1.0	0.4	140	21.7	21.7	8.1	8.1	26.6	26.6	91.0	91.0	6.9	6.9	7.0	10.9	7	8	73	75	809849	822240	<0.2	<0.2	1.6	1.7
						1.0	0.5	142	21.7		8.1		26.6		91.0		6.9		7.1		6		74				<0.2		1.8	
					Middle	4.2	0.4	183	21.7	21.7	8.1	8.1	27.1	27.1	90.7	90.7	6.8		11.2		8		75				<0.2		1.8	
						4.2	0.5	184	21.7		8.1		27.1		90.7		6.8		11.2		9		76				<0.2		1.6	
					Bottom	7.4	0.4	211	21.7	21.7	8.1	8.1	27.3	27.3	92.6	92.7	6.9	7.0	14.5		7		77				<0.2		1.6	
						7.4	0.5	212	21.7		8.1		27.3		92.7		7.0		14.5		8		77				<0.2		1.6	
IM11	Cloudy	Moderate	08:26	8.3	Surface	1.0	0.4	133	21.7	21.7	8.1	8.1	27.0	27.0	90.7	90.7	6.8	6.8	7.7	10.5	8	9	74	76	810538	821501	<0.2	<0.2	1.1	1.3
						1.0	0.4	137	21.7		8.1		27.0		90.7		6.8		7.8		9		74				<0.2		1.0	
					Middle	4.2	0.3	168	21.7	21.7	8.1	8.1	27.2	27.2	90.4	90.4	6.8		9.7		8		75				<0.2		1.1	
						4.2	0.4	169	21.7		8.1		27.2		90.4		6.8		9.6		10		76				<0.2		1.4	
					Bottom	7.3	0.4	193	21.7	21.7	8.1	8.1	27.5	27.5	90.9	90.9	6.8	6.8	13.9		9		77				<0.2		1.4	
						7.3	0.4	197	21.7		8.1		27.5		90.9		6.8		14.4		11		77				<0.2		1.5	
IM12	Cloudy	Moderate	08:14	9.2	Surface	1.0	0.4	209	21.7	21.7	8.1	8.1	27.4	27.4	90.1	90.1	6.8	6.8	13.1	16.3	21	17	75	76	811517	821162	<0.2	<0.2	1.0	1.1
						1.0	0.4	213	21.7		8.1		27.4		90.1		6.8		13.2		18		75				<0.2		1.3	
					Middle	4.6	0.4	212	21.7	21.7	8.1	8.1	27.6	27.6	89.7	89.7	6.7		16.9		17		76				<0.2		1.0	
						4.6	0.4	217	21.7		8.1		27.6		89.7		6.7		17.1		15		76				<0.2		1.2	
					Bottom	8.2	0.4	202	21.7	21.7	8.1	8.1	27.6	27.6	90.0	90.0	6.7	6.7	18.8		15		77				<0.2		1.1	
						8.2	0.4	213	21.7		8.1		27.6		90.0		6.7		18.9		16		77				<0.2		1.1	
IM13	Cloudy	Moderate	10:00	7.3	Surface	1.0	0.5	88	18.0	18.0	7.9	7.9	28.6	28.6	95.3	95.3	7.1	7.1	4.3	15.3	6	13		-	806297	820085	-	-	-	-
						1.0	0.5	95	18.0		7.9		28.5		95.3		7.1		4.3		4						-		-	
					Middle	3.7	0.4	90	18.1	18.1	7.8	7.8	29.7	29.7	94.6	94.6	7.0		14.8		6						-		-	
						3.7	0.4	93	18.1		7.8		29.7		94.6		7.0		15.1		5						-		-	
					Bottom	6.3	0.4	91	18.1	18.1	7.9	7.9	29.6	29.6	94.8	94.9	7.1	7.1	26.8		29						-		-	
						6.3	0.4	91	18.1		7.9		29.5		95.0		7.1		26.7		29						-		-	
SR2	Cloudy	Moderate	07:42	5.6	Surface	1.0	0.4	188	21.6	21.6	8.1	8.1	27.3	27.3	90.9	90.9	6.8	6.8	11.7	12.4	14	14	75	77	814182	821463	<0.2	<0.2	1.2	1.1
						1.0	0.5	190	21.6		8.1		27.3		90.9		6.8		11.7		14		76				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.5	194	21.7	21.7	8.1	8.1	27.5	27.5	92.6	92.7	7.0	7.0	13.1		13		77				<0.2		1.0	
						4.6	0.5	205	21.7		8.1		27.5		92.7		7.0		13.1		15		78				<0.2		1.1	
SR3	Cloudy	Moderate	09:13	9.7	Surface	1.0	1.0	85	21.3	21.3	8.1	8.1	28.1	28.1	94.7	94.7	7.1	7.1	6.2	11.7	7	8		-	807576	822147	-	-	-	-
						1.0	1.0	88	21.3		8.1		28.1		94.6		7.1		6.4		7						-		-	
					Middle	4.9	0.8	77	21.4	21.4	8.1	8.1	29.9	29.9	93.7	93.7	7.0		12.1		8						-		-	
						4.9	0.9	77	21.4		8.1		29.9		93.6		7.0		12.1		7						-		-	
					Bottom	8.7	0.8	96	21.4	21.4	8.1	8.1	30.1	30.1	94.5	94.5	7.0	7.0	16.7		8						-		-	
						8.7	0.9	101	21.4		8.1		30.1		94.5		7.0		16.6		8						-		-	
SR4A	Cloudy	Moderate	08:08	9.2	Surface	1.0	0.3	101	17.8	17.8	7.7	7.7	24.1	24.1	93.0	93.0	7.6	7.7	7.8	10.2	9	13		-	807790	817189	-	-	-	-
						1.0	0.4	109	17.8		7.7		24.1		93.0		7.6		7.7		11						-		-	
					Middle	4.6	0.4	81	17.8	17.8	7.7	7.7	24.0	24.0	93.2	93.3	7.7		9.3		10						-		-	
						4.6	0.4	82	17.8		7.7		24.0		93.3		7.7		9.3		11						-		-	
					Bottom	8.2	0.4	90	17.7	17.7	7.7	7.7	23.6	23.6	93.9	94.0	7.8	7.8	14.0		18						-		-	
						8.2	0.4	94	17.7		7.7		23.5		94.1		7.8		13.1		20						-		-	
SR5A	Cloudy	Calm	07:49	5.2	Surface	1.0	0.3	145	18.3	18.3	7.6	7.6	21.9	21.9	91.2	91.3	7.5	7.5	5.8	7.1	10	12		-	810684	816593	-	-	-	-
						1.0	0.3	153	18.3		7.6		21.9		91.3		7.5		5.9		10						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	152	18.3	18.3	7.6	7.6	20.9	20.8	93.2	93.6	7.7	7.8	8.0		13						-		-	
						4.2	0.3	160	18.3		7.6		20.6		94.0		7.8		8.8		14						-		-	
SR6	Cloudy	Calm	07:20	4.2	Surface	1.0	0.1	165	18.0	18.0	7.6	7.6	21.9	21.9	92.0	92.1	7.6	7.6	1.9	2.6	10	10		-	814652	817899	-	-	-	-
						1.0	0.1	173	18.0		7.6		21.9		92.1		7.6		1.9		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.2	0.1	174	18.0	18.0	7.6	7.6	20.8	20.6	94.4	94.7	7.9	8.0	3.3		9						-		-	
						3.2	0.1	187	18.0		7.6		20.4		95.0		8.0		3.3		11						-		-	
SR7	Cloudy	Moderate	06:39	18.5	Surface	1.0	0.2	213	21.5	21.5	8.0	8.0	29.4	29.4	91.2	91.2	6.8	6.8	3.7	5.9	8	7		-	823751	823636	-	-	-	-
						1.0	0.2	233	21.5		8.0		29.4		91.2		6.8		3.7		8						-		-	
					Middle	9.3	0.2	96	21.5	21.5	8.0	8.0	30.9	30.9	91.1	91.1	6.7		7.1		6						-		-	
						9.3	0.3	104	21.5		8.0		30.9		91.1		6.7		6.4		8						-		-	
					Bottom	17.5	0.3	106	21.5	21.5	8.0	8.0	31.2	31.2	91.6	91.6	6.8	6.8	7.3		7						-		-	
						17.5	0.3	109	21.5		8.0		31.2		91.6		6.8		7.4		6						-		-	
SR8	Cloudy	Moderate	08:03	5.9	Surface	1.0	0.4	118	21.7	21.7	8.1	8.1	27.3	27.3	91.2	91.2	6.8	6.8	8.7	10.1	14	14		-	811610	820417	-	-	-	-
						1.0	0.4	124	21.7		8.1		27.3		91.2		6.8		8.7		13						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.9	0.5	109	21.7	21.7	8.1	8.1	27.6	27.6	94.1	94.1	7.1	7.1	11.4		13						-		-	
						4.9	0.5	116	21.7		8.1		27.6		94.1		7.1		11.7		15						-		-	

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 14 April 17 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 (^oC)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:14	8.0	Surface	1.0	0.7	193	17.8	17.8	7.8	7.8	28.2	28.2	102.8	102.8	8.3	8.3	2.2	2.0	5	4	73	74	804257	815620	<0.2	<0.2	0.8	0.7
						1.0	0.7	209	17.8		7.8		28.2		102.8		8.3		2.2		4		73				<0.2		0.8	
					Middle	4.0	0.6	200	17.8	17.8	7.8	7.8	28.5	28.5	103.9	104.0	8.3		1.7		4		74				<0.2		0.7	
						4.0	0.7	201	17.8		7.8		28.5		104.0		8.3		1.7		5		75				<0.2		0.7	
					Bottom	7.0	0.5	221	17.8	17.8	7.9	7.9	28.2	28.2	103.8	103.8	8.3	8.3	2.2		4		75				<0.2		0.7	
						7.0	0.5	233	17.8		7.9		28.2		103.8		8.3		2.0		3		76				<0.2		0.5	
C2	Cloudy	Moderate	13:00	12.6	Surface	1.0	0.7	173	21.7	21.7	8.1	8.1	26.4	26.4	91.9	91.9	6.9	7.0	5.9	5.8	6	6	75	76	806928	825682	<0.2	<0.2	1.9	1.8
						1.0	0.8	176	21.7		8.1		26.4		91.8		6.9		5.9		6		76				<0.2		2.0	
					Middle	6.3	0.6	167	21.7	21.7	8.1	8.1	28.0	28.0	92.9	93.0	7.0		5.9		6		76				<0.2		1.8	
						6.3	0.6	181	21.7		8.1		28.0		93.0		7.0		5.8		6		76				<0.2		1.8	
					Bottom	11.6	0.6	149	21.7	21.7	8.1	8.1	28.4	28.4	95.4	95.5	7.1	7.1	5.6		6		77				<0.2		1.7	
						11.6	0.6	159	21.7		8.1		28.3		95.5		7.1		5.6		5		78				<0.2		1.8	
C3	Cloudy	Moderate	14:44	12.4	Surface	1.0	0.5	100	21.7	21.7	8.1	8.1	28.1	28.2	91.1	91.1	6.8	6.8	8.2	8.9	6	7	74	76	817821	822109	<0.2	<0.2	1.4	1.5
						1.0	0.5	100	21.7		8.1		28.2		91.1		6.8		8.4		6		74				<0.2		1.6	
					Middle	6.2	0.4	108	21.6	21.6	8.1	8.1	29.0	29.0	91.2	91.2	6.8		9.3		6		76				<0.2		1.4	
						6.2	0.5	110	21.6		8.1		29.0		91.2		6.8		9.4		8		76				<0.2		1.4	
					Bottom	11.4	0.4	85	21.6	21.6	8.1	8.1	29.5	29.5	94.2	94.2	7.0	7.0	9.1		8		77				<0.2		1.5	
						11.4	0.5	85	21.6		8.1		29.4		94.2		7.0		9.1		7		77				<0.2		1.5	
IM1	Cloudy	Moderate	13:55	7.7	Surface	1.0	0.4	189	17.8	17.8	7.8	7.8	27.7	27.7	98.9	99.1	8.0	8.0	4.6	3.9	8	9	74	75	806449	818351	<0.2	<0.2	1.0	0.8
						1.0	0.4	206	17.8		7.8		27.7		99.3		8.0		4.7		8		73				<0.2		0.8	
					Middle	3.9	0.3	170	17.8	17.8	7.8	7.8	29.3	29.3	100.3	100.3	8.0		2.9		10		74				<0.2		0.7	
						3.9	0.3	171	17.8		7.8		29.3		100.3		8.0		2.9		9		75				<0.2		0.5	
					Bottom	6.7	0.3	164	17.7	17.7	7.8	7.8	29.2	29.2	100.4	100.4	8.0	8.0	4.2		9		75				<0.2		0.7	
						6.7	0.4	178	17.7		7.8		29.2		100.4		8.0		4.1		11		76				<0.2		0.8	
IM2	Cloudy	Moderate	13:49	8.4	Surface	1.0	0.4	210	18.1	18.1	7.8	7.8	25.9	25.9	97.4	97.5	7.9	7.9	2.5	4.3	5	7	75	76	806187	818852	<0.2	<0.2	1.4	1.0
						1.0	0.4	230	18.1		7.8		25.8		97.5		7.9		2.5		5		75				<0.2		1.4	
					Middle	4.2	0.3	159	17.7	17.7	7.8	7.8	29.2	29.2	98.8	98.8	7.9		4.9		6		75				<0.2		0.9	
						4.2	0.4	161	17.7		7.8		29.2		98.8		7.9		4.7		6		76				<0.2		1.1	
					Bottom	7.4	0.4	172	17.7	17.7	7.8	7.8	28.9	28.9	99.2	99.2	7.9	7.9	5.6		9		77				<0.2		0.6	
						7.4	0.4	176	17.7		7.8		28.9		99.2		7.9		5.6		9		77				<0.2		0.8	
IM3	Cloudy	Moderate	13:41	8.3	Surface	1.0	0.3	207	17.8	17.8	7.8	7.8	27.4	27.4	99.6	99.7	8.0	8.1	3.4	4.1	5	5	73	74	806028	819411	<0.2	<0.2	1.2	0.9
						1.0	0.4	207	17.8		7.8		27.3		99.8		8.0		3.5		5		73				<0.2		1.1	
					Middle	4.2	0.3	164	17.8	17.8	7.8	7.8	28.5	28.5	101.0	101.0	8.1		5.1		4		74				<0.2		0.9	
						4.2	0.3	175	17.8		7.8		28.5		101.0		8.1		5.3		3		74				<0.2		0.8	
					Bottom	7.3	0.3	142	17.7	17.7	7.8	7.8	28.6	28.6	101.0	101.1	8.1	8.1	3.5		6		75				<0.2		0.6	
						7.3	0.4	145	17.7		7.8		28.6		101.1		8.1		3.5		6		75				<0.2		0.7	
IM4	Cloudy	Moderate	13:33	8.0	Surface	1.0	0.4	175	17.8	17.8	7.8	7.8	27.7	27.7	101.2	101.2	8.1	8.1	2.4	3.0	5	5	75	76	805052	819570	<0.2	<0.2	1.2	1.1
						1.0	0.4	176	17.8		7.8		27.7		101.2		8.1		2.4		4		74				<0.2		1.2	
					Middle	4.0	0.3	175	17.7	17.7	7.8	7.8	28.6	28.6	101.2	101.2	8.1		3.1		4		75				<0.2		1.0	
						4.0	0.3	182	17.7		7.8		28.6		101.2		8.1		3.1		4		76				<0.2		1.2	
					Bottom	7.0	0.3	176	17.7	17.7	7.8	7.8	28.7	28.7	100.9	101.0	8.1	8.1	3.5		8		76				<0.2		0.8	
						7.0	0.3	187	17.7		7.8		28.6		101.0		8.1		3.3		7		77				<0.2		0.9	
IM5	Cloudy	Moderate	13:24	6.8	Surface	1.0	0.3	153	17.8	17.8	7.8	7.8	27.0	27.0	97.3	97.3	7.9	7.9	6.1	8.5	4	8	75	76	804929	820564	<0.2	<0.2	1.0	0.9
						1.0	0.4	157	17.8		7.8		27.0		97.3		7.9		6.2		4		75				<0.2		1.1	
					Middle	3.4	0.3	161	17.7	17.7	7.8	7.8	27.7	27.7	97.0	97.0	7.8		9.7		7		76				<0.2		1.0	
						3.4	0.3	165	17.7		7.8		27.7		97.0		7.8		9.7		7		76				<0.2		1.0	
					Bottom	5.8	0.3	165	17.7	17.7	7.8	7.8	27.5	27.5	98.3	98.3	7.9	7.9	9.6		11		77				<0.2		0.6	
						5.8	0.3	176	17.7		7.8		27.4		98.2		7.9		9.6		13		77				<0.2		0.6	
IM6	Cloudy	Moderate	13:15	7.4	Surface	1.0	0.4	136	17.8	17.8	7.8	7.8	26.9	26.9	97.7	97.7	7.9	7.9	6.2	11.6	7	12	75	76	805819	821060	<0.2	<0.2	1.0	1.0
						1.0	0.4	149	17.8		7.8		26.9		97.6		7.9		6.2		7		75				<0.2		1.1	
					Middle	3.7	0.4	144	17.7	17.7	7.8	7.8	27.2	27.2	96.5	96.5	7.8		10.7		7		76				<0.2		1.1	
						3.7	0.4	150	17.7		7.8		27.2		96.5		7.8		10.7		8		76				<0.2		0.9	
					Bottom	6.4	0.3	148	17.7	17.7	7.8	7.8	26.6	26.6	97.7	97.9	7.9	8.0	18.1		20		77				<0.2		0.9	
						6.4	0.3	148	17.7		7.8		26.5		98.0		8.0		17.5		20		77				<0.2		0.9	
IM7	Cloudy	Moderate	13:06	7.9	Surface	1.0	0.3	131	17.8	17.8	7.8	7.8	26.1	26.1	100.4	100.4	8.2	8.2	1.6	2.7	2	3	76	77	806827	821349	<0.2	<0.2	0.9	1.0
						1.0	0.3	136	17.8		7.8		26.0		100.4		8.2		1.4		2		75				<0.2		1.2	
					Middle	4.0	0.3	121	17.8	17.8	7.8	7.8	25.9	25.9	99.7	99.7	8.1		2.2		4		77				<0.2		1.0	
						4.0	0.3	122	17.8		7.8		25.8		99.7		8.1		2.3		3		77				<0.2		1.0	
					Bottom	6.9	0.4	120	17.7	17.7	7.8	7.8	25.2	25.2	99.6	99.7	8.1	8.2	4.2		4		77				<0.2		1.1	
						6.9	0.4	128	17.7		7.8		25.2		99.7		8.2		4.2		4		78				<0.2		1.0	
IM8	Cloudy	Moderate	13:25	8.7	Surface	1.0	0.5	161	21.8	21.8	8.1	8.1	25.3	25.3	94.7	94.7	7.2	7.2	3.7	7.1	4	4	74	75	807851	821695	<0.2	<0.2	2.2	2.1
						1.0	0.5	176	21.8		8.1		25.3		94.7		7.2		3.7		4		74				<0.2		2.4	
					Middle	4.4	0.4	121	21.4	21.4	8.1	8.1	29.0	29.0	96.4	96.4	7.2		7.8		3		75				<0.2		2.0	
						4.4	0.4	125	21.4		8.1		29.0		96.4		7.2		7.8		4		75				<0.2		2.2	
					Bottom	7.7	0.4	108	21.4	21.4	8.1	8.1	30.2	30.2	97.0	97.1	7.2	7.2	9.7		5		76				<0.2		2.1	
						7.7	0.4	112	21.4		8.1		30.2		97.1		7.2		9.7		4		77				<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 14 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	13:35	7.1	Surface	1.0	0.7	131	21.6	21.6	8.1	8.1	26.6	26.6	95.3	95.3	7.2	7.2	4.7	7.8	4	6	73	76	808825	822094	<0.2	<0.2	1.8	1.9
						1.0	0.7	136	21.6		8.1		26.6		95.3		7.2		4.8		5		74				<0.2		1.9	
					Middle	3.6	0.6	106	21.4	21.4	8.1	8.1	28.4	28.4	95.7	95.7	7.2		7.1		9		76				<0.2		2.0	
						3.6	0.6	108	21.4		8.1		28.4		95.7		7.2		7.3		7		76				<0.2		1.9	
					Bottom	6.1	0.5	89	21.3	21.3	8.1	8.1	29.9	29.9	95.6	95.6	7.1	7.1	11.3		6		77				<0.2		1.8	
						6.1	0.5	94	21.3		8.1		29.9		95.5		7.1		11.4		4		77				<0.2		1.7	
IM10	Cloudy	Moderate	13:43	7.3	Surface	1.0	0.8	128	21.8	21.8	8.1	8.1	25.7	25.7	94.6	94.6	7.1	7.2	4.4	8.5	6	5	73	75	809846	822240	<0.2	<0.2	2.1	2.0
						1.0	0.9	130	21.8		8.1		25.7		94.6		7.1		4.5		4		73				<0.2		2.2	
					Middle	3.7	0.7	120	21.7	21.7	8.1	8.1	26.7	26.7	95.6	95.6	7.2		7.3		5		75				<0.2		1.8	
						3.7	0.8	128	21.7		8.1		26.7		95.6		7.2		7.5		6		76				<0.2		1.9	
					Bottom	6.3	0.7	89	21.4	21.4	8.1	8.1	29.2	29.2	98.1	98.2	7.3	7.3	13.7		5		77				<0.2		2.1	
						6.3	0.7	97	21.4		8.1		29.2		98.2		7.3		13.6		5		76				<0.2		2.0	
IM11	Cloudy	Moderate	13:55	8.6	Surface	1.0	0.7	115	21.7	21.7	8.1	8.1	26.8	26.8	95.7	95.7	7.2	7.2	6.1	11.8	5	5	74	76	810531	821501	<0.2	0.2	1.6	1.7
						1.0	0.8	121	21.7		8.1		26.8		95.7		7.2		6.1		4		74				0.2		1.6	
					Middle	4.3	0.6	106	21.6	21.6	8.1	8.1	27.6	27.6	95.6	95.6	7.2		11.5		7		75				<0.2		1.8	
						4.3	0.7	110	21.6		8.1		27.6		95.6		7.2		11.7		8		76				<0.2		1.6	
					Bottom	7.6	0.4	98	21.5	21.5	8.1	8.1	28.6	28.6	97.1	97.2	7.3	7.3	17.7		5		77				<0.2		1.6	
						7.6	0.5	101	21.5		8.1		28.6		97.2		7.3		17.9		3		77				<0.2		1.7	
IM12	Cloudy	Moderate	14:03	9.5	Surface	1.0	1.1	123	21.7	21.7	8.1	8.1	26.9	26.9	95.0	95.0	7.1	7.1	4.9	11.1	2	4	76	77	811518	821162	<0.2	<0.2	1.4	1.4
						1.0	1.1	127	21.7		8.1		26.9		95.0		7.1		5.0		3		76				<0.2		1.4	
					Middle	4.8	1.0	103	21.5	21.5	8.1	8.1	28.4	28.4	94.1	94.1	7.0		11.5		5		76				<0.2		1.4	
						4.8	1.1	109	21.5		8.1		28.4		94.1		7.0		11.4		3		77				<0.2		1.4	
					Bottom	8.5	0.9	117	21.5	21.5	8.1	8.1	28.7	28.7	94.7	94.7	7.1	7.1	17.1		4		77				<0.2		1.4	
						8.5	0.9	123	21.5		8.1		28.6		94.7		7.1		16.9		4		78				<0.2		1.4	
IM13	Cloudy	Moderate	13:00	7.7	Surface	1.0	0.4	172	18.5	18.5	7.9	7.9	27.7	27.7	95.6	95.6	7.2	7.2	2.5	8.2	3	11		-	805798	820085	-	-	-	-
						1.0	0.4	188	18.5		7.9		27.6		95.6		7.2		2.5		2						-		-	
					Middle	3.9	0.4	170	18.4	18.4	7.9	7.9	29.5	29.5	95.0	95.1	7.1		6.8		15						-		-	
						3.9	0.4	183	18.3		7.9		29.4		95.1		7.1		7.1		14						-		-	
					Bottom	6.7	0.3	168	18.8	18.8	7.9	7.9	29.4	29.4	95.3	95.3	7.1	7.1	15.2		15						-		-	
						6.7	0.3	183	18.8		7.9		29.4		95.3		7.1		15.1		15						-		-	
SR2	Cloudy	Moderate	14:27	4.7	Surface	1.0	0.7	66	21.6	21.6	8.1	8.1	28.0	28.0	92.8	92.8	7.0	7.0	13.8	16.1	11	12	76	77	814146	821463	<0.2	0.2	1.4	1.4
						1.0	0.7	68	21.6		8.1		28.0		92.8		7.0		13.9		14		76				0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.7	0.5	54	21.6	21.6	8.1	8.1	28.1	28.1	93.5	93.6	7.0	7.0	18.5		11		77				0.2		1.4	
						3.7	0.5	58	21.6		8.1		28.1		93.6		7.0		18.2		12		78				<0.2		1.4	
SR3	Cloudy	Moderate	13:18	9.6	Surface	1.0	0.6	176	21.9	21.9	8.1	8.1	25.5	25.5	93.4	93.4	7.1	7.1	5.1	9.2	5	3		-	807582	822147	-	-	-	-
						1.0	0.6	182	21.9		8.1		25.5		93.4		7.1		5.0		3						-		-	
					Middle	4.8	0.3	155	21.5	21.5	8.1	8.1	28.0	28.0	93.8	93.8	7.0		8.7		3						-		-	
						4.8	0.3	169	21.5		8.1		28.0		93.8		7.0		8.7		3						-		-	
					Bottom	8.6	0.4	88	21.4	21.4	8.1	8.1	30.2	30.2	96.2	96.3	7.2	7.2	14.0		3						-		-	
						8.6	0.5	92	21.4		8.1		30.1		96.3		7.2		13.8		2						-		-	
SR4A	Cloudy	Moderate	14:37	8.0	Surface	1.0	0.4	83	17.7	17.7	7.8	7.8	28.4	28.4	98.3	98.3	7.9	7.9	6.4	8.0	9	12		-	807814	817189	-	-	-	-
						1.0	0.4	88	17.7		7.8		28.3		98.3		7.9		6.5		10						-		-	
					Middle	4.0	0.4	91	17.7	17.7	7.8	7.8	28.4	28.4	98.5	98.5	7.9		7.4		12						-		-	
						4.0	0.4	97	17.7		7.8		28.4		98.5		7.9		7.4		10						-		-	
					Bottom	7.0	0.3	81	17.7	17.7	7.8	7.8	27.9	27.9	99.5	99.6	8.0	8.0	10.3		16						-		-	
						7.0	0.4	85	17.7		7.8		27.8		99.6		8.0		10.2		15						-		-	
SR5A	Cloudy	Calm	14:54	4.8	Surface	1.0	0.1	117	18.1	18.1	7.7	7.7	24.8	24.8	94.2	94.3	7.7	7.7	6.6	7.5	9	8		-	810676	816593	-	-	-	-
						1.0	0.1	122	18.1		7.7		24.8		94.3		7.7		6.6		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.8	0.2	116	17.7	17.7	7.8	7.8	26.0	25.9	96.2	96.4	7.8	7.9	8.5		6						-		-	
						3.8	0.2	122	17.7		7.8		25.8		96.6		7.9		8.4		7						-		-	
SR6	Cloudy	Calm	15:15	4.1	Surface	1.0	0.2	93	18.7	18.7	7.7	7.7	23.8	23.8	93.3	93.3	7.6	7.6	3.6	4.6	5	7		-	814682	817899	-	-	-	-
						1.0	0.2	100	18.7		7.7		23.7		93.3		7.6		3.7		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.1	0.2	99	18.4	18.4	7.7	7.7	23.7	23.7	92.9	93.1	7.6	7.6	5.4		8						-		-	
						3.1	0.2	107	18.4		7.7		23.7		93.3		7.6		5.5		8						-		-	
SR7	Cloudy	Moderate	15:13	18.9	Surface	1.0	0.7	62	21.7	21.7	8.1	8.1	28.1	28.2	90.6	90.6	6.8	6.8	2.7	3.1	4	3		-	823757	823636	-	-	-	-
						1.0	0.7	65	21.7		8.1		28.2		90.6		6.8		2.8		3						-		-	
					Middle	9.5	0.4	79	21.7	21.7	8.1	8.1	28.6	28.6	91.7	91.8	6.8		3.5		4						-		-	
						9.5	0.4	82	21.7		8.1		28.6		91.8		6.8		3.5		3						-		-	
					Bottom	17.9	0.4	162	21.7	21.7	8.1	8.1	28.7	28.7	92.3	92.4	6.9	6.9	3.0		3						-		-	
						17.9	0.4	165	21.7		8.1		28.7		92.4		6.9		3.0		3						-		-	
SR8	Cloudy	Moderate	14:13	5.6	Surface	1.0	0.3	181.0	21.7	21.7	8.1	8.1	27.3	27.3	92.1	92.1	6.9	6.9	11.2	13.3	8	9		-	811574	820417	-	-	-	-
						1.0	0.3	191.0	21.7		8.1		27.3		92.1		6.9		11.3		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.3	131.0	21.7	21.7	8.1	8.1	27.8	27.8	92.8	92.8	7.0	7.0	15.4		8						-		-	
						4.6	0.4	143.0	21.7		8.1		27.8		92.8		7.0		15.4		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 16 April 17 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 (^{o}C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	09:36	8.5	Surface	1.0	0.6	63	18.5	18.5	7.8	7.8	26.4	26.4	96.2	96.2	7.7	7.7	2.6	4.7	8	8	75	76	804246	815620	<0.2	<0.2	1.2	1.2
						1.0	0.7	68	18.5		7.8		26.4		96.2		7.7		2.6		8		75				<0.2		1.3	
					Middle	4.3	0.6	66	18.3	18.3	7.8	7.8	28.0	28.0	95.8	95.8	7.6		3.6		6		76				<0.2		1.6	
						4.3	0.6	68	18.3		7.8		28.0		95.8		7.6		3.6		7		76				<0.2		1.3	
					Bottom	7.5	0.5	86	18.1	18.1	7.9	7.9	29.3	29.3	95.6	95.6	7.6	7.6	7.9		8		77				<0.2		0.9	
						7.5	0.5	87	18.1		7.9		29.3		95.6		7.6		7.9		9		77				<0.2		0.9	
C2	Cloudy	Moderate	09:43	7.8	Surface	1.0	0.9	245	19.3	19.3	7.8	7.8	23.3	23.3	95.7	95.8	7.7	7.7	2.4	5.0	8	7	74	75	806932	825682	<0.2	<0.2	2.2	2.2
						1.0	0.9	262	19.3		7.8		23.3		95.8		7.7		2.4		7		74				<0.2		2.3	
					Middle	3.9	0.8	250	19.1	19.1	7.9	7.9	25.9	25.9	95.7	95.6	7.6		3.7		7		75				<0.2		2.2	
						3.9	0.8	270	19.1		7.9		25.9		95.4		7.6		4.0		7		75				<0.2		2.2	
					Bottom	6.8	0.8	232	18.8	18.8	7.9	7.9	27.0	27.0	93.8	93.8	7.5	7.5	8.6		6		76				<0.2		2.1	
						6.8	0.8	254	18.8		7.9		27.0		93.8		7.5		8.8		7		76				<0.2		2.2	
C3	Cloudy	Moderate	08:00	12.2	Surface	1.0	0.6	270	22.1	22.1	8.0	8.0	25.8	25.8	87.7	87.7	6.6	6.6	2.9	3.5	6	6	75	76	817797	822109	<0.2	<0.2	1.6	1.7
						1.0	0.7	290	22.1		8.0		25.8		87.7		6.6		2.9		7		75				<0.2		1.5	
					Middle	6.1	0.7	251	21.8	21.8	8.0	8.0	27.7	27.7	87.0	87.0	6.5		4.0		5		75				<0.2		2.1	
						6.1	0.7	260	21.8		8.0		27.7		87.0		6.5		4.0		5		76				<0.2		2.1	
					Bottom	11.2	0.6	263	21.8	21.8	8.0	8.0	29.0	29.0	88.0	88.0	6.5	6.5	3.5		5		77				<0.2		1.4	
						11.2	0.6	279	21.8		8.0		29.0		88.0		6.5		3.5		6		77				<0.2		1.6	
IM1	Cloudy	Moderate	09:54	7.6	Surface	1.0	0.6	138	19.1	19.1	7.8	7.8	24.7	24.7	97.8	97.8	7.8	7.7	2.4	5.7	4	8	74	76	806469	818351	<0.2	<0.2	1.6	1.5
						1.0	0.6	150	19.1		7.8		24.7		97.8		7.8		2.5		5		74				<0.2		1.7	
					Middle	3.8	0.6	156	18.6	18.6	7.8	7.8	26.8	26.8	95.7	95.7	7.6		7.2		5		75				<0.2		1.8	
						3.8	0.6	160	18.6		7.8		26.8		95.7		7.6		7.2		5		76				<0.2		1.6	
					Bottom	6.6	0.4	204	18.4	18.4	7.9	7.9	27.7	27.7	95.2	95.3	7.6	7.6	7.5		15		77				<0.2		1.0	
						6.6	0.4	221	18.4		7.9		27.7		95.3		7.6		7.5		16		77				<0.2		1.0	
IM2	Cloudy	Moderate	10:01	7.4	Surface	1.0	0.6	65	19.0	19.0	7.8	7.8	24.8	24.8	98.5	98.5	7.9	7.8	2.8	4.4	3	6	73	75	806184	818852	<0.2	<0.2	1.6	1.5
						1.0	0.6	65	19.0		7.8		24.8		98.5		7.9		2.8		4		74				<0.2		1.6	
					Middle	3.7	0.7	62	18.7	18.7	7.8	7.8	26.6	26.6	96.8	96.8	7.7		2.7		4		75				<0.2		1.8	
						3.7	0.7	66	18.7		7.8		26.6		96.8		7.7		2.8		4		76				<0.2		1.5	
					Bottom	6.4	0.5	90	18.4	18.4	7.9	7.9	27.9	27.9	95.4	95.4	7.6	7.6	7.6		10		77				<0.2		1.1	
						6.4	0.5	93	18.4		7.9		27.9		95.4		7.6		7.6		9		77				<0.2		1.1	
IM3	Cloudy	Moderate	10:08	7.7	Surface	1.0	0.6	92	19.0	19.0	7.8	7.8	25.2	25.2	97.1	97.1	7.8	7.7	3.1	6.4	5	6	74	76	806016	819411	<0.2	<0.2	1.7	1.6
						1.0	0.6	92	19.0		7.8		25.2		97.1		7.8		3.2		6		74				<0.2		1.6	
					Middle	3.9	0.5	85	18.4	18.4	7.8	7.8	27.6	27.6	95.5	95.5	7.6		7.9		7		76				<0.2		1.7	
						3.9	0.6	91	18.4		7.8		27.6		95.5		7.6		8.1		5		76				<0.2		1.4	
					Bottom	6.7	0.5	98	18.4	18.4	7.8	7.8	27.9	27.9	96.0	96.1	7.6	7.6	8.1		5		77				<0.2		1.7	
						6.7	0.5	99	18.4		7.8		27.9		96.1		7.6		8.0		5		77				<0.2		1.7	
IM4	Cloudy	Moderate	10:17	7.1	Surface	1.0	0.7	125	19.1	19.1	7.8	7.8	25.4	25.4	98.5	98.5	7.8	7.7	2.8	7.0	3	4	74	76	805036	819570	<0.2	<0.2	1.7	1.6
						1.0	0.7	125	19.1		7.8		25.4		98.5		7.9		2.9		3		74				<0.2		1.5	
					Middle	3.6	0.6	114	18.6	18.6	7.8	7.8	26.8	26.8	95.8	95.8	7.6		9.4		5		76				<0.2		1.5	
						3.6	0.7	117	18.6		7.8		26.8		95.8		7.6		9.8		4		76				<0.2		1.5	
					Bottom	6.1	0.5	155	18.2	18.2	7.9	7.9	28.4	28.4	94.8	94.8	7.5	7.5	8.4		6		77				<0.2		1.7	
						6.1	0.5	168	18.2		7.9		28.4		94.8		7.5		8.4		5		77				<0.2		1.7	
IM5	Cloudy	Moderate	10:24	8.4	Surface	1.0	0.7	171	19.0	19.0	7.8	7.8	25.1	25.1	97.7	97.7	7.8	7.7	4.2	7.9	5	4	74	75	804912	820564	<0.2	<0.2	1.6	1.6
						1.0	0.7	174	19.0		7.8		25.1		97.6		7.8		4.3		4		74				<0.2		1.6	
					Middle	4.2	0.7	167	18.4	18.4	7.8	7.8	27.7	27.7	95.1	95.1	7.6		9.8		4		75				<0.2		1.7	
						4.2	0.7	174	18.4		7.8		27.7		95.1		7.6		9.8		4		75				<0.2		1.5	
					Bottom	7.4	0.5	170	18.3	18.4	7.8	7.8	28.1	28.1	94.9	94.9	7.5	7.5	9.6		3		77				<0.2		1.3	
						7.4	0.5	170	18.4		7.8		28.1		94.9		7.5		9.6		4		77				<0.2		1.6	
IM6	Cloudy	Moderate	10:32	7.8	Surface	1.0	0.5	154	18.9	18.9	7.9	7.9	25.7	25.7	95.1	95.1	7.6	7.6	4.5	6.7	5	7	73	75	805819	821060	<0.2	<0.2	1.2	1.3
						1.0	0.5	158	18.9		7.9		25.7		95.0		7.6		4.6		7		73				<0.2		1.4	
					Middle	3.9	0.4	151	18.4	18.4	8.0	8.0	27.2	27.2	93.7	93.8	7.5		7.1		5		75				<0.2		1.4	
						3.9	0.4	159	18.4		8.0		27.2		93.8		7.5		7.2		6		76				<0.2		1.2	
					Bottom	6.8	0.3	124	18.4	18.4	8.0	8.0	27.5	27.5	94.4	94.5	7.5	7.5	8.4		8		77				<0.2		1.4	
						6.8	0.4	129	18.4		8.0		27.5		94.5		7.5		8.4		9		77				<0.2		1.3	
IM7	Cloudy	Moderate	10:39	7.3	Surface	1.0	0.5	55	19.0	19.0	7.8	7.8	25.2	25.2	96.5	96.5	7.7	7.6	3.1	6.3	5	6	74	76	806845	821349	<0.2	<0.2	1.2	1.4
						1.0	0.5	58	19.0		7.8		25.2		96.4		7.7		3.1		7		74				<0.2		1.4	
					Middle	3.7	0.4	85	18.4	18.4	7.9	7.9	27.3	27.3	93.9	93.9	7.5		7.6		6		75				<0.2		1.3	
						3.7	0.4	89	18.4		7.9		27.3		93.9		7.5		7.5		6		76				<0.2		1.4	
					Bottom	6.3	0.3	101	18.4	18.4	7.9	7.9	27.3	27.3	94.7	94.8	7.6	7.6	8.3		6		77				<0.2		1.6	
						6.3	0.3	106	18.4		7.9		27.3		94.8		7.6		8.3		5		77				<0.2		1.4	
IM8	Cloudy	Moderate	09:16	7.4	Surface	1.0	0.3	198	19.3	19.3	7.9	7.9	24.0	24.0	95.4	95.5	7.6	7.6	2.2	4.5	6	5	76	77	807849	821695	<0.2	0.2	2.0	2.0
						1.0	0.4	216	19.3		7.9		23.9		95.5		7.7		2.2		4		75				0.2		2.1	
					Middle	3.7	0.5	143	19.3	19.3	7.9	7.9	25.7	25.7	95.4	95.4	7.6		3.5		6		76				<0.2		2.0	
						3.7	0.5	153	19.3		7.9		25.7		95.4		7.6		3.5		5		77				<0.2		1.8	
					Bottom	6.4	0.4	167	19.0	19.0	8.0	8.0	26.8	26.8	95.0	95.1	7.5	7.5	7.1		4		78				<0.2		2.0	
						6.4	0.5	183	19.0		8.0		26.8		95.2		7.5		8.3		4		77				<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 16 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	09:05	7.2	Surface	1.0	0.5	241	22.4	22.4	8.0	8.0	23.0	23.0	87.3	87.3	6.6	6.6	3.4	4.1	5	6	74	76	808829	822094	<0.2	<0.2	2.1	2.1
						1.0	0.5	251	22.4		8.0		23.0		87.3		6.6		3.4		5		75				<0.2		2.2	
					Middle	3.6	0.6	228	22.3	22.3	8.1	8.1	23.8	23.8	87.4	87.4	6.6		4.3		6		76				<0.2		2.1	
						3.6	0.6	247	22.3		8.1		23.8		87.4		6.6		4.3		4		77				<0.2		2.0	
					Bottom	6.2	0.7	234	22.2	22.2	8.1	8.1	25.1	25.1	87.6	87.6	6.6	6.6	4.6		10		78				<0.2		2.0	
						6.2	0.7	240	22.2		8.1		25.1		87.6		6.6		4.6		8		78				<0.2		2.0	
IM10	Cloudy	Moderate	08:55	7.5	Surface	1.0	0.5	253	22.3	22.3	8.0	8.0	23.6	23.6	87.9	87.9	6.7	6.7	3.8	10.9	4	5	76	77	809841	822240	<0.2	<0.2	2.0	2.0
						1.0	0.6	266	22.3		8.0		23.6		87.9		6.7		3.8		3		75				<0.2		1.9	
					Middle	3.8	0.6	261	22.2	22.2	8.0	8.0	24.9	24.9	87.5	87.5	6.6		8.7		3		77				<0.2		2.0	
						3.8	0.6	286	22.2		8.0		24.9		87.5		6.6		8.7		5		77				<0.2		2.0	
					Bottom	6.5	0.5	223	22.1	22.1	8.0	8.0	26.4	26.4	87.6	87.6	6.6	6.6	20.2		6		77				<0.2		2.0	
						6.5	0.5	225	22.1		8.0		26.4		87.6		6.6		20.2		8		78				<0.2		1.9	
IM11	Cloudy	Moderate	08:43	8.2	Surface	1.0	0.4	276	22.3	22.3	8.0	8.0	24.0	24.0	88.1	88.1	6.7	6.7	5.0	5.9	3	4	73	74	810531	821501	<0.2	<0.2	1.7	1.9
						1.0	0.5	300	22.3		8.0		24.0		88.1		6.7		5.0		4		73				<0.2		1.8	
					Middle	4.1	0.5	279	22.1	22.1	8.0	8.0	25.0	25.0	88.3	88.3	6.7		7.4		5		74				<0.2		1.8	
						4.1	0.5	298	22.1		8.0		25.0		88.3		6.7		7.4		4		74				<0.2		1.9	
					Bottom	7.2	0.5	281	22.1	22.1	8.0	8.0	27.4	27.4	88.7	88.7	6.6	6.6	5.2		5		75				<0.2		2.2	
						7.2	0.5	297	22.1		8.0		27.4		88.7		6.6		5.2		5		75				<0.2		2.1	
IM12	Cloudy	Moderate	08:32	9.4	Surface	1.0	0.6	253	22.3	22.3	8.0	8.0	24.4	24.4	88.3	88.3	6.7	6.6	4.5	6.8	3	4	75	76	811513	821162	<0.2	<0.2	1.8	1.8
						1.0	0.7	255	22.3		8.0		24.4		88.3		6.7		4.5		5		74				<0.2		1.8	
					Middle	4.7	0.8	270	22.1	22.1	8.0	8.0	26.6	26.6	87.4	87.4	6.5		7.6		3		75				<0.2		1.6	
						4.7	0.9	286	22.1		8.0		26.6		87.4		6.5		7.6		4		76				<0.2		1.7	
					Bottom	8.4	0.5	258	22.0	22.0	8.0	8.0	27.7	27.7	87.6	87.6	6.5	6.5	8.3		3		76				<0.2		1.9	
						8.4	0.6	278	22.0		8.0		27.7		87.6		6.5		8.3		4		77				<0.2		1.8	
IM13	Cloudy	Moderate	10:56	7.0	Surface	1.0	0.8	74	18.9	18.9	7.8	7.8	25.8	25.8	96.5	96.5	7.7	7.7	2.6	5.6	<2	2		-	806233	820085	-	-	-	-
						1.0	0.8	78	18.9		7.8		25.8		96.5		7.7		2.7		2						-		-	
					Middle	3.5	0.7	64	18.5	18.5	7.9	7.9	27.3	27.3	94.9	94.9	7.6		5.8		3						-		-	
						3.5	0.7	66	18.5		7.9		27.3		94.9		7.6		5.9		3						-		-	
					Bottom	6.0	0.5	109	18.4	18.4	7.9	7.9	27.6	27.6	95.1	95.2	7.6	7.6	8.4		2						-		-	
						6.0	0.5	116	18.4		7.9		27.6		95.2		7.6		8.4		2						-		-	
SR2	Cloudy	Moderate	08:15	5.2	Surface	1.0	0.2	267	22.1	22.1	8.0	8.0	27.1	27.1	87.7	87.7	6.5	6.5	6.2	5.8	4	4	74	75	814168	821463	<0.2	<0.2	1.1	1.2
						1.0	0.2	286	22.1		8.0		27.1		87.7		6.5		6.2		3		74				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.2	274	22.0	22.0	8.0	8.0	27.7	27.7	88.6	88.6	6.6	6.6	5.3		3		75				<0.2		1.2	
						4.2	0.2	286	22.0		8.0		27.7		88.6		6.6		5.3		4		75				<0.2		1.2	
SR3	Cloudy	Moderate	09:26	9.9	Surface	1.0	0.4	102	19.4	19.4	7.8	7.8	23.2	23.2	94.4	94.5	7.6	7.6	1.9	5.0	3	3		-	807577	822147	-	-	-	-
						1.0	0.5	108	19.4		7.8		23.2		94.5		7.6		1.9		2						-		-	
					Middle	5.0	0.6	82	19.2	19.2	7.9	7.9	25.9	25.9	95.7	95.7	7.6		4.8		3						-		-	
						5.0	0.6	88	19.2		7.9		25.9		95.6		7.6		5.0		3						-		-	
					Bottom	8.9	0.5	109	18.9	18.9	7.9	7.9	26.9	26.9	95.0	95.0	7.5	7.5	8.2		3						-		-	
						8.9	0.5	117	18.9		7.9		26.9		95.0		7.5		8.2		3						-		-	
SR4A	Cloudy	Moderate	09:15	6.3	Surface	1.0	0.3	194	18.9	18.9	7.8	7.8	25.9	25.9	94.9	94.9	7.6	7.6	3.7	6.3	4	5		-	807802	817189	-	-	-	-
						1.0	0.3	202	18.9		7.8		25.9		94.9		7.6		3.7		5						-		-	
					Middle	3.2	0.4	204	18.7	18.7	7.8	7.8	26.5	26.5	94.2	94.2	7.5		7.2		5						-		-	
						3.2	0.4	205	18.7		7.8		26.5		94.2		7.5		7.4		6						-		-	
					Bottom	5.3	0.4	223	18.6	18.6	7.8	7.8	27.0	27.0	93.9	93.9	7.5	7.5	7.8		6						-		-	
						5.3	0.4	229	18.6		7.8		27.0		93.9		7.5		7.8		6						-		-	
SR5A	Cloudy	Calm	08:55	4.7	Surface	1.0	0.4	206	18.8	18.8	7.8	7.8	26.2	26.2	94.0	94.0	7.5	7.5	4.4	5.5	5	5		-	810700	816593	-	-	-	-
						1.0	0.4	225	18.8		7.8		26.2		94.0		7.5		4.4		3						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.7	0.3	219	18.8	18.8	7.6	7.6	26.2	26.2	93.6	93.6	7.5	7.5	6.5		5						-		-	
						3.7	0.3	229	18.8		7.6		26.2		93.6		7.5		6.6		6						-		-	
SR6	Cloudy	Calm	08:32	4.2	Surface	1.0	0.2	287	18.8	18.8	7.8	7.8	24.5	24.5	93.0	93.1	7.5	7.5	3.5	3.4	3	3		-	814671	817899	-	-	-	-
						1.0	0.2	300	18.8		7.8		24.5		93.1		7.5		3.5		3						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.2	0.2	286	18.7	18.7	7.8	7.8	24.7	24.7	93.7	93.7	7.5	7.6	3.3		3						-		-	
						3.2	0.2	293	18.7		7.8		24.7		93.7		7.6		3.3		3						-		-	
SR7	Cloudy	Moderate	07:30	17.3	Surface	1.0	0.2	203	18.6	18.6	7.7	7.7	22.5	22.5	92.0	92.0	7.5	7.5	1.5	1.4	3	3		-	823754	823636	-	-	-	-
						1.0	0.2	219	18.6		7.7		22.5		92.0		7.5		1.4		4						-		-	
					Middle	8.7	0.2	185	18.3	18.3	7.7	7.7	23.4	23.4	89.9	89.9	7.4		1.3		3						-		-	
						8.7	0.3	198	18.3		7.7		23.4		89.9		7.4		1.3		2						-		-	
					Bottom	16.3	0.2	162	18.3	18.3	7.7	7.7	22.8	22.8	90.9	91.0	7.5	7.5	1.5		3						-		-	
						16.3	0.2	163	18.3		7.7		22.7		91.0		7.5		1.5		3						-		-	
SR8	Cloudy	Moderate	08:25	5.5	Surface	1.0	0.6	271	22.3	22.3	8.0	8.0	24.6	24.6	89.5	89.5	6.8	6.8	3.4	3.7	3	3		-	811609	820417	-	-	-	-
						1.0	0.6	273	22.3		8.0		24.6		89.5		6.8		3.5		3						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.5	0.5	260	22.2	22.2	8.0	8.0	26.0	26.0	89.8	89.8	6.7	6.7	4.0		3						-		-	
						4.5	0.5	276	22.2		8.0		26.0		89.8		6.7		4.0		2						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 April 17 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	Sunny	Moderate	15:35	7.2	Surface	1.0	0.4	175	19.4	19.4	7.9	7.9	27.4	27.4	104.0	104.0	8.1	8.0	3.3	4.7	4	5	75	76	804265	815620	<0.2	<0.2	1.5	1.6
						1.0	0.5	191	19.4		7.9		27.4		103.9		8.1		3.3		5		75				<0.2		1.7	
					Middle	3.6	0.5	164	19.4	19.4	7.9	7.9	28.3	28.3	101.5	101.5	7.9		3.4		7		76				<0.2		1.5	
						3.6	0.5	168	19.4		7.9		28.3		101.5		7.9		3.5		6		76				<0.2		1.4	
					Bottom	6.2	0.4	151	18.9	18.9	7.9	7.9	29.2	29.2	100.4	100.5	7.9	7.9	7.3		5		77				<0.2		1.5	
						6.2	0.5	159	18.9		7.9		29.2		100.5		7.9		7.3		5		77				<0.2		1.7	
C2	Sunny	Moderate	14:14	9.8	Surface	1.0	0.3	110	19.0	19.0	7.8	7.8	24.9	24.9	93.9	93.9	7.5	7.5	4.1	7.0	5	6	75	78	806944	825682	<0.2	<0.2	2.0	2.2
						1.0	0.3	112	19.0		7.8		24.8		93.9		7.5		4.1		5		76				<0.2		2.0	
					Middle	4.9	0.2	154	18.6	18.6	7.8	7.8	27.4	27.4	93.9	93.9	7.5		8.3		5		78				<0.2		2.3	
						4.9	0.2	164	18.6		7.8		27.4		93.9		7.5		8.3		7		78				<0.2		2.2	
					Bottom	8.8	0.2	221	18.6	18.6	7.8	7.8	27.8	27.8	93.1	93.1	7.4	7.4	8.6		6		79				<0.2		2.2	
						8.8	0.2	242	18.6		7.8		27.8		93.1		7.4		8.6		6		79				<0.2		2.3	
C3	Sunny	Moderate	15:50	9.0	Surface	1.0	0.9	109	22.4	22.4	8.1	8.1	26.7	26.7	88.9	88.9	6.6	6.6	5.3	5.5	6	6	74	75	817785	822109	<0.2	<0.2	1.8	1.9
						1.0	1.0	116	22.4		8.1		26.7		88.9		6.6		5.3		6		74				<0.2		1.8	
					Middle	4.5	0.7	109	22.1	22.1	8.0	8.0	28.6	28.6	87.5	87.5	6.5		5.5		7		76				<0.2		2.2	
						4.5	0.8	113	22.1		8.0		28.6		87.5		6.5		5.5		6		75				<0.2		2.2	
					Bottom	8.0	0.3	140	22.1	22.1	8.0	8.0	28.7	28.7	87.4	87.4	6.5	6.5	5.6		6		76				<0.2		1.8	
						8.0	0.3	144	22.1		8.0		28.7		87.4		6.5		5.6		6		77				<0.2		1.8	
IM1	Sunny	Moderate	15:22	8.2	Surface	1.0	0.4	169	19.1	19.1	7.9	7.9	28.4	28.4	99.2	99.2	7.8	7.7	2.1	3.9	6	5	73	74	806451	818351	<0.2	<0.2	1.2	1.1
						1.0	0.5	181	19.1		7.9		28.4		99.2		7.8		2.2		5		74				<0.2		1.1	
					Middle	4.1	0.4	170	18.6	18.6	7.9	7.9	29.7	29.7	96.0	96.0	7.5		3.4		4		74				<0.2		1.0	
						4.1	0.4	173	18.6		7.9		29.7		96.0		7.5		3.5		5		75				<0.2		1.1	
					Bottom	7.2	0.3	173	18.6	18.6	7.9	7.9	30.1	30.1	93.9	93.9	7.3	7.3	6.1		4		75				<0.2		1.1	
						7.2	0.4	180	18.6		7.9		30.1		93.8		7.3		6.1		5		75				<0.2		1.1	
IM2	Sunny	Moderate	15:18	8.4	Surface	1.0	0.4	165	19.6	19.6	7.9	7.9	27.7	27.7	97.9	97.9	7.6	7.5	2.9	4.1	4	5	73	74	806202	818852	<0.2	<0.2	1.5	1.7
						1.0	0.4	168	19.6		7.9		27.7		97.8		7.6		3.0		5		73				<0.2		1.6	
					Middle	4.2	0.4	173	18.6	18.6	8.0	8.0	29.9	29.9	94.3	94.3	7.4		4.8		5		74				<0.2		1.6	
						4.2	0.5	183	18.6		8.0		29.9		94.3		7.4		4.9		6		74				<0.2		1.6	
					Bottom	7.4	0.3	156	18.6	18.6	8.0	8.0	30.2	30.2	93.9	93.9	7.3	7.3	4.5		4		75				<0.2		1.8	
						7.4	0.3	158	18.6		8.0		30.2		93.9		7.3		4.4		4		76				<0.2		2.0	
IM3	Sunny	Moderate	15:10	8.4	Surface	1.0	0.4	149	20.4	20.4	7.9	7.9	26.5	26.6	104.3	104.3	8.1	7.8	2.1	3.7	5	5	74	76	806031	819411	<0.2	<0.2	1.3	1.3
						1.0	0.4	159	20.4		7.9		26.6		104.2		8.0		2.1		5		75				<0.2		1.2	
					Middle	4.2	0.5	147	19.1	19.2	7.9	7.9	28.8	28.8	97.2	97.2	7.6		3.7		5		75				<0.2		1.3	
						4.2	0.5	160	19.2		7.9		28.8		97.1		7.6		3.7		4		76				<0.2		1.4	
					Bottom	7.4	0.3	164	18.3	18.3	7.9	7.9	30.5	30.5	95.3	95.4	7.5	7.5	5.4		5		76				<0.2		1.2	
						7.4	0.3	173	18.3		7.9		30.5		95.4		7.5		5.4		5		77				<0.2		1.5	
IM4	Sunny	Moderate	15:02	7.0	Surface	1.0	0.6	177	19.4	19.4	7.8	7.8	25.9	25.9	97.5	97.5	7.7	7.6	3.4	4.7	5	8	74	75	805041	819570	<0.2	<0.2	2.0	1.9
						1.0	0.6	189	19.4		7.8		25.9		97.5		7.7		3.4		6		74				<0.2		2.1	
					Middle	3.5	0.5	177	18.4	18.4	7.9	7.9	29.8	29.8	94.8	94.8	7.5		5.5		9		74				<0.2		2.0	
						3.5	0.6	181	18.4		7.9		29.8		94.8		7.5		5.5		7		75				<0.2		2.0	
					Bottom	6.0	0.3	188	18.3	18.3	7.9	7.9	30.6	30.6	93.7	93.7	7.4	7.4	5.2		9		76				<0.2		1.5	
						6.0	0.3	204	18.3		7.9		30.6		93.7		7.4		5.0		9		77				<0.2		1.8	
IM5	Sunny	Moderate	14:55	7.8	Surface	1.0	0.5	162	18.5	18.5	7.8	7.8	29.2	29.2	94.9	94.9	7.5	7.5	7.1	8.0	7	6	74	75	804942	820564	<0.2	<0.2	1.4	1.5
						1.0	0.5	170	18.5		7.8		29.1		94.8		7.5		7.1		7		73				<0.2		1.4	
					Middle	3.9	0.4	167	18.3	18.3	7.8	7.8	29.7	29.7	94.1	94.1	7.4		8.2		6		74				<0.2		1.4	
						3.9	0.4	173	18.3		7.8		29.7		94.1		7.4		8.2		6		75				<0.2		1.6	
					Bottom	6.8	0.4	168	18.3	18.3	7.9	7.9	30.1	30.1	93.9	93.9	7.4	7.4	8.8		5		75				<0.2		1.7	
						6.8	0.4	182	18.3		7.9		30.1		93.9		7.4		8.8		5		76				<0.2		1.6	
IM6	Sunny	Moderate	14:39	7.3	Surface	1.0	0.4	172	20.4	20.4	7.9	7.9	26.6	26.6	101.6	101.5	7.8	7.7	2.6	5.9	6	6	75	76	805825	821060	<0.2	<0.2	1.3	1.4
						1.0	0.5	183	20.4		7.9		26.6		101.3		7.8		2.7		7		75				<0.2		1.3	
					Middle	3.7	0.4	157	18.5	18.5	7.9	7.9	29.6	29.6	94.8	94.8	7.5		6.3		5		76				<0.2		1.4	
						3.7	0.4	168	18.5		7.9		29.6		94.8		7.5		6.4		6		76				<0.2		1.4	
					Bottom	6.3	0.3	166	18.4	18.4	7.9	7.9	29.9	29.9	94.1	94.1	7.4	7.4	8.5		5		77				<0.2		1.5	
						6.3	0.4	169	18.4		7.9		29.9		94.1		7.4		8.6		6		77				<0.2		1.2	
IM7	Sunny	Moderate	14:29	8.2	Surface	1.0	0.5	170	19.8	19.8	7.9	7.9	27.0	27.0	104.5	104.5	8.1	8.0	1.9	3.4	4	5	74	75	806835	821349	<0.2	<0.2	1.6	1.4
						1.0	0.5	170	19.8		7.9		27.0		104.5		8.1		1.9		6		74				<0.2		1.6	
					Middle	4.1	0.4	160	19.4	19.4	7.9	7.9	27.8	27.8	100.8	100.8	7.9		3.0		7		75				<0.2		1.2	
						4.1	0.4	173	19.4		7.9		27.8		100.7		7.9		3.0		5		75				<0.2		1.3	
					Bottom	7.2	0.4	161	18.6	18.6	7.9	7.9	29.6	29.6	97.7	97.7	7.7	7.7	5.3		5		76				<0.2		1.5	
						7.2	0.4	163	18.6		7.9		29.6		97.7		7.7		5.2		5		76				<0.2		1.2	
IM8	Sunny	Moderate	14:21	8.0	Surface	1.0	0.4	157	19.3	19.4	7.8	7.8	25.3	25.3	94.7	94.8	7.5	7.6	3.3	3.6	5	5	74	76	807856	821695	<0.2	<0.2	2.4	2.3
						1.0	0.4	158	19.4		7.8		25.2		94.8		7.5		3.3		5		75				<0.2		2.4	
					Middle	4.0	0.3	124	18.7	18.7	7.8	7.8	27.8	27.8	96.4	96.4	7.6		4.1		6		75				<0.2		2.1	
						4.0	0.3	128	18.7		7.8		27.8		96.4		7.6		4.1		4		76				<0.2		2.2	
					Bottom	7.0	0.3	141	18.7	18.7	7.9	7.9	29.1	29.2	95.4	95.4	7.5	7.5	3.4		4		76				<0.2		2.2	
						7.0	0.4	148	18.7		7.9		29.2		95.3		7.5		3.4		6		77				<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 16 April 17 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 (^oC) Value	Water Temperature (^oC) 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	14:31	6.6	Surface	1.0	0.7	131	22.8	22.8	8.1	8.1	25.2	25.2	94.4	94.4	7.0	7.0	5.1	6.4	4	6	73	74	808828	822094	<0.2	<0.2	2.2	1.9
						1.0	0.7	143	22.8		8.1		25.2		94.4		7.0		5.1		6		73				<0.2		2.1	
					Middle	3.3	0.6	134	22.2	22.2	8.1	8.1	27.7	27.7	92.6	92.7	6.9		7.0		4		74				<0.2		2.3	
						3.3	0.6	137	22.2		8.1		27.7		92.7		6.9		7.0		5		74				<0.2		2.2	
					Bottom	5.6	0.5	104	22.1	22.1	8.1	8.1	28.3	28.3	92.5	92.5	6.9	6.9	7.0		10		75				<0.2		1.5	
						5.6	0.6	108	22.1		8.1		28.3		92.5		6.9		7.0		9		76				<0.2		1.3	
IM10	Sunny	Moderate	14:42	7.0	Surface	1.0	0.5	147	23.0	23.0	8.0	8.0	24.5	24.5	94.0	94.0	7.0	7.0	3.7	5.2	6	5	73	74	809841	822240	<0.2	<0.2	2.0	2.1
						1.0	0.5	148	23.0		8.0		24.5		94.0		7.0		3.7		4		74				<0.2		2.0	
					Middle	3.5	0.6	153	22.5	22.5	8.1	8.1	26.1	26.1	92.0	92.0	6.9		5.5		6		74				<0.2		2.1	
						3.5	0.6	157	22.5		8.1		26.1		92.0		6.9		5.5		4		74				<0.2		2.2	
					Bottom	6.0	0.5	161	22.4	22.4	8.1	8.1	26.6	26.6	91.2	91.2	6.8	6.8	6.3		4		75				<0.2		2.0	
						6.0	0.5	166	22.4		8.1		26.6		91.2		6.8		6.3		5		75				<0.2		2.2	
IM11	Sunny	Moderate	14:53	7.8	Surface	1.0	0.6	123	22.7	22.7	8.1	8.1	25.0	25.0	93.6	93.6	7.0	7.0	4.5	5.1	5	5	74	76	810534	821501	<0.2	<0.2	1.4	1.6
						1.0	0.6	126	22.7		8.1		25.0		93.6		7.0		4.5		4		75				<0.2		1.6	
					Middle	3.9	0.5	106	22.5	22.5	8.1	8.1	25.9	25.9	92.8	92.8	6.9		5.5		4		75				<0.2		1.6	
						3.9	0.5	114	22.5		8.1		25.9		92.8		6.9		5.5		5		76				<0.2		1.5	
					Bottom	6.8	0.4	83	22.5	22.5	8.1	8.1	27.1	27.1	91.6	91.6	6.8	6.8	5.3		6		77				<0.2		1.7	
						6.8	0.4	87	22.5		8.1		27.1		91.6		6.8		5.3		8		77				<0.2		1.5	
IM12	Sunny	Moderate	15:05	8.7	Surface	1.0	0.9	110	22.9	22.9	8.1	8.1	24.6	24.6	96.9	96.9	7.2	7.2	4.9	5.8	4	5	75	75	811501	821162	<0.2	<0.2	1.8	1.8
						1.0	0.9	119	22.9		8.1		24.6		96.9		7.2		4.9		4		75				<0.2		1.8	
					Middle	4.4	1.1	122	22.7	22.7	8.1	8.1	27.1	27.1	95.9	95.9	7.1		7.3		5		75				<0.2		1.8	
						4.4	1.2	122	22.7		8.1		27.1		95.9		7.1		7.3		7		75				<0.2		1.8	
					Bottom	7.7	0.8	124	22.8	22.8	8.1	8.1	26.9	26.9	96.0	96.0	7.1	7.1	5.1		6		76				<0.2		1.9	
						7.7	0.9	125	22.8		8.1		26.9		96.0		7.1		5.1		5		76				<0.2		1.7	
IM13	Sunny	Moderate	14:44	7.0	Surface	1.0	0.3	164	20.0	20.0	7.9	7.9	26.8	26.8	102.5	102.5	8.0	7.8	1.8	4.0	6	6		-	806111	820085	-	-	-	-
						1.0	0.3	177	20.0		7.9		26.8		102.4		8.0		1.8		7						-		-	
					Middle	3.5	0.3	154	18.9	18.9	7.9	7.9	28.3	28.3	97.2	97.2	7.6		3.0		7						-		-	
						3.5	0.3	159	18.9		7.9		28.3		97.2		7.6		3.1		7						-		-	
					Bottom	6.0	0.3	148	18.4	18.4	7.9	7.9	30.4	30.4	94.0	94.0	7.4	7.4	7.0		6						-		-	
						6.0	0.3	159	18.4		7.9		30.4		94.0		7.4		7.0		5						-		-	
SR2	Sunny	Moderate	15:30	5.2	Surface	1.0	0.8	95	22.8	22.8	8.1	8.1	25.9	25.9	93.2	93.2	6.9	6.9	4.1	4.4	6	6	76	76	814148	821463	<0.2	<0.2	1.9	1.7
						1.0	0.8	101	22.8		8.1		25.9		93.2		6.9		4.1		4		75				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	1.0	90	22.7	22.7	8.1	8.1	26.1	26.1	91.6	91.6	6.8	6.8	4.7		7		77				<0.2		1.5	
						4.2	1.0	93	22.7		8.1		26.1		91.6		6.8		4.7		6		77				<0.2		1.5	
SR3	Sunny	Moderate	14:30	8.9	Surface	1.0	0.5	151	18.8	18.8	7.8	7.8	25.9	25.9	93.5	93.5	7.5	7.5	4.6	6.9	5	4		-	807575	822147	-	-	-	-
						1.0	0.6	164	18.8		7.8		25.9		93.4		7.5		4.7		4						-		-	
					Middle	4.5	0.4	162	18.6	18.6	7.8	7.8	27.9	27.9	93.9	93.9	7.4		8.0		4						-		-	
						4.5	0.4	169	18.6		7.8		27.9		93.9		7.4		8.0		4						-		-	
					Bottom	7.9	0.3	144	18.6	18.6	7.8	7.8	28.5	28.6	94.3	94.4	7.4	7.4	8.2		3						-		-	
						7.9	0.3	154	18.6		7.8		28.6		94.4		7.4		8.1		4						-		-	
SR4A	Sunny	Moderate	15:51	8.3	Surface	1.0	0.3	140	19.6	19.6	7.9	7.9	27.7	27.7	100.5	100.5	7.8	7.8	6.0	6.8	7	7		-	807803	817189	-	-	-	-
						1.0	0.3	151	19.6		7.9		27.7		100.4		7.8		6.1		6						-		-	
					Middle	4.2	0.3	133	19.2	19.2	7.9	7.9	28.4	28.4	98.6	98.6	7.7		6.9		6						-		-	
						4.2	0.3	144	19.2		7.9		28.4		98.6		7.7		7.0		8						-		-	
					Bottom	7.3	0.3	137	19.1	19.1	7.9	7.9	28.5	28.5	98.8	98.8	7.7	7.7	7.4		8						-		-	
						7.3	0.3	144	19.1		7.9		28.5		98.8		7.7		7.4		7						-		-	
SR5A	Sunny	Calm	16:07	4.2	Surface	1.0	0.1	172	20.3	20.3	7.9	7.9	27.7	27.7	105.7	105.6	8.1	8.1	4.5	5.5	7	7		-	810696	816593	-	-	-	-
						1.0	0.1	177	20.3		7.9		27.7		105.5		8.1		4.5		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.2	0.1	175	19.3	19.3	7.9	7.9	27.8	27.8	99.2	99.2	7.8	7.8	6.5		6						-		-	
						3.2	0.1	175	19.3		7.9		27.8		99.2		7.8		6.5		7						-		-	
SR6	Sunny	Calm	16:30	4.1	Surface	1.0	0.1	95	19.6	19.6	7.9	7.9	26.7	26.8	100.0	100.0	7.8	7.8	4.0	4.1	6	6		-	814670	817899	-	-	-	-
						1.0	0.1	99	19.6		7.9		26.8		99.9		7.8		4.1		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.1	0.1	129	19.2	19.2	7.8	7.8	27.2	27.2	97.6	97.6	7.7	7.7	4.2		7						-		-	
						3.1	0.1	132	19.2		7.8		27.2		97.6		7.7		4.0		5						-		-	
SR7	Sunny	Moderate	16:21	15.8	Surface	1.0	0.4	97	19.1	19.1	7.8	7.8	27.7	27.7	95.2	95.2	7.5	7.5	2.1	2.7	4	7		-	823736	823636	-	-	-	-
						1.0	0.5	104	19.1		7.8		27.7		95.1		7.5		2.1		5						-		-	
					Middle	7.9	0.3	71	19.1	19.1	7.8	7.8	27.8	27.8	94.2	94.2	7.4		2.7		9						-		-	
						7.9	0.4	75	19.1		7.8		27.8		94.2		7.4		2.7		8						-		-	
					Bottom	14.8	0.2	94	19.0	19.0	7.8	7.8	27.9	27.9	93.2	93.3	7.3	7.3	3.4		8						-		-	
						14.8	0.3	102	19.0		7.8		27.9		93.3		7.3		3.4		7						-		-	
SR8	Sunny	Moderate	15:14	5.2	Surface	1.0	0.4	198.0	22.9	22.9	8.1	8.1	24.9	24.9	96.1	96.1	7.2	7.2	3.5	3.6	6	5		-	811585	820417	-	-	-	-
						1.0	0.4	198.0	22.9		8.1		24.9		96.1		7.2		3.5		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	171.0	23.0	23.0	8.1	8.1	26.3	26.3	94.5	94.5	7.0	7.0	3.7		6						-		-	
						4.2	0.4	177.0	23.0		8.1		26.3		94.5		7.0		3.7		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 18 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:22	9.2	Surface	1.0	0.4	119	24.3	24.4	8.1	8.1	22.7	22.5	108.1	108.0	8.5	7.8	2.3	4.3	5	7	73	74	804244	815620	<0.2	<0.2	2.1	1.4
						1.0	0.4	128	24.4		8.1		22.2		107.9		8.6		2.2		4		77				<0.2		2.0	
					Middle	4.6	0.4	121	22.8	22.8	8.0	8.0	27.7	27.7	89.5	89.6	7.1		4.4		8		73				<0.2		1.3	
						4.6	0.4	132	22.8		8.0		27.6		89.6		7.1		4.5		7		72				<0.2		1.2	
					Bottom	8.2	0.4	168	22.3	22.3	8.0	8.0	29.1	29.1	88.8	88.8	7.0	7.0	6.3		8		73				<0.2		0.9	
						8.2	0.4	173	22.3		8.0		29.1		88.8		7.0		6.3		9		74				<0.2		0.8	
C2	Cloudy	Moderate	10:44	12.1	Surface	1.0	0.4	123	24.9	24.9	8.1	8.1	19.5	19.5	98.6	98.4	7.9	7.6	2.6	3.5	5	6	76	75	806941	825682	<0.2	<0.2	2.0	1.8
						1.0	0.4	127	24.9		8.1		19.5		98.2		7.8		2.7		4		77				<0.2		2.0	
					Middle	6.1	0.4	132	23.7	23.7	8.0	8.0	21.7	21.7	90.0	90.0	7.3		4.3		5		74				<0.2		2.2	
						6.1	0.4	133	23.6		8.0		21.7		89.9		7.3		4.4		3		74				<0.2		2.3	
					Bottom	11.1	0.4	170	23.5	23.5	8.0	8.0	26.2	26.2	90.3	90.4	7.1	7.1	3.6		10		75				<0.2		1.2	
						11.1	0.5	183	23.5		8.0		26.1		90.4		7.1		3.5		8		76				<0.2		1.3	
C3	Cloudy	Moderate	09:00	12.8	Surface	1.0	0.3	132	23.9	23.9	8.1	8.1	24.7	24.7	114.8	114.8	8.4	8.2	1.8	2.2	3	5	78	75	817810	822109	<0.2	<0.2	2.5	2.4
						1.0	0.3	143	23.9		8.1		24.7		114.7		8.4		1.9		5		74				<0.2		2.4	
					Middle	6.4	0.4	138	23.8	23.8	8.1	8.1	24.8	24.8	109.0	109.0	8.0		2.0		4		74				<0.2		2.2	
						6.4	0.5	150	23.8		8.1		24.8		109.0		8.0		2.0		5		75				<0.2		2.2	
					Bottom	11.8	0.4	153	22.9	22.9	8.1	8.1	29.4	29.4	108.9	108.9	7.9	7.9	2.6		5		75				<0.2		2.4	
						11.8	0.4	156	22.9		8.1		29.4		108.9		7.9		2.6		6		76				<0.2		2.5	
IM1	Cloudy	Moderate	10:42	7.8	Surface	1.0	0.4	126	24.8	24.8	8.1	8.1	19.3	19.3	112.2	112.2	9.0	8.6	1.8	3.0	5	6	73	74	806468	818351	<0.2	<0.2	2.4	2.3
						1.0	0.4	135	24.8		8.1		19.3		112.2		9.0		1.8		4		73				<0.2		2.2	
					Middle	3.9	0.3	139	24.3	24.3	8.0	8.0	20.3	20.3	100.9	100.9	8.1		2.5		6		74				<0.2		2.4	
						3.9	0.3	146	24.3		8.0		20.3		100.8		8.1		2.5		5		74				<0.2		2.4	
					Bottom	6.8	0.6	144	23.3	23.3	8.0	8.0	25.9	26.0	94.8	94.9	7.5	7.5	4.7		8		73				<0.2		2.2	
						6.8	0.6	148	23.3		8.0		26.0		94.9		7.5		4.7		9		74				<0.2		2.2	
IM2	Cloudy	Moderate	10:51	8.7	Surface	1.0	0.3	210	24.7	24.7	8.1	8.1	19.4	19.4	112.3	111.1	9.0	8.2	2.3	5.1	5	6	76	74	806187	818852	<0.2	<0.2	2.4	2.1
						1.0	0.3	229	24.7		8.1		19.4		109.9		8.8		2.6		6		76				<0.2		2.1	
					Middle	4.4	0.3	155	23.7	23.7	8.0	8.0	23.9	24.0	94.3	94.3	7.5		5.2		5		73				<0.2		2.3	
						4.4	0.3	157	23.7		8.0		24.0		94.3		7.5		5.3		7		74				<0.2		2.3	
					Bottom	7.7	0.3	145	23.0	23.0	8.0	8.0	27.5	27.5	93.7	93.8	7.4	7.4	7.6		5		73				<0.2		1.7	
						7.7	0.3	158	23.0		8.0		27.4		93.9		7.4		7.6		7		74				<0.2		1.9	
IM3	Cloudy	Moderate	10:59	9.0	Surface	1.0	0.3	234	24.5	24.5	8.1	8.1	19.1	19.1	102.1	102.0	8.2	7.8	2.7	5.0	3	5	76	74	806001	819411	<0.2	<0.2	2.5	2.0
						1.0	0.3	256	24.5		8.1		19.1		101.8		8.2		2.7		2		75				<0.2		2.3	
					Middle	4.5	0.3	194	23.6	23.6	8.0	8.0	25.4	25.4	94.0	94.0	7.4		4.2		6		73				<0.2		1.9	
						4.5	0.3	212	23.6		8.0		25.3		93.9		7.4		4.3		4		73				<0.2		1.9	
					Bottom	8.0	0.3	124	22.8	22.8	8.0	8.0	27.8	27.8	92.2	92.2	7.3	7.3	7.9		7		74				<0.2		1.9	
						8.0	0.3	127	22.8		8.0		27.8		92.2		7.3		7.9		5		74				<0.2		1.7	
IM4	Cloudy	Moderate	11:09	8.3	Surface	1.0	0.4	227	24.8	24.8	8.2	8.2	19.2	19.2	98.2	97.9	7.9	7.5	3.1	6.1	4	6	75	74	805048	819570	<0.2	<0.2	1.9	2.0
						1.0	0.4	233	24.8		8.1		19.2		97.5		7.8		3.1		4		75				<0.2		2.2	
					Middle	4.2	0.3	174	23.1	23.1	8.0	8.0	26.3	26.3	90.0	90.0	7.1		4.5		5		74				<0.2		1.6	
						4.2	0.3	185	23.1		8.0		26.3		89.9		7.1		4.7		5		73				<0.2		1.6	
					Bottom	7.3	0.4	141	22.6	22.6	8.0	8.0	28.1	28.1	88.7	88.7	7.0	7.0	10.6		8		75				<0.2		2.3	
						7.3	0.4	142	22.6		8.0		28.1		88.7		7.0		10.5		10		74				<0.2		2.2	
IM5	Cloudy	Moderate	11:18	7.4	Surface	1.0	0.3	162	24.0	24.0	8.1	8.1	21.6	21.6	97.8	97.6	7.8	7.5	3.5	7.1	5	6	76	74	804927	820564	<0.2	<0.2	2.2	1.7
						1.0	0.3	177	24.0		8.1		21.6		97.4		7.8		3.5		3		75				<0.2		2.0	
					Middle	3.7	0.2	162	23.3	23.3	8.0	8.0	25.9	25.9	90.7	90.7	7.2		6.1		4		73				<0.2		1.6	
						3.7	0.3	172	23.3		8.0		25.8		90.6		7.2		6.3		5		73				<0.2		1.4	
					Bottom	6.4	0.3	152	22.6	22.6	8.0	8.0	28.1	28.1	88.2	88.2	7.0	7.0	11.7		7		74				<0.2		1.6	
						6.4	0.3	166	22.6		8.0		28.1		88.2		7.0		11.7		9		74				<0.2		1.5	
IM6	Cloudy	Moderate	11:27	7.1	Surface	1.0	0.3	194	24.2	24.2	8.1	8.1	20.5	20.5	96.8	96.6	7.8	7.4	4.8	6.6	6	9	75	74	805846	821060	<0.2	<0.2	1.7	1.4
						1.0	0.3	207	24.2		8.1		20.5		96.4		7.7		4.9		4		75				<0.2		1.7	
					Middle	3.6	0.3	163	23.4	23.4	8.0	8.0	24.9	24.9	89.4	89.4	7.1		6.9		10		73				<0.2		1.3	
						3.6	0.3	169	23.4		8.0		24.9		89.3		7.1		6.7		9		74				<0.2		1.3	
					Bottom	6.1	0.3	138	22.8	22.8	8.0	8.0	27.5	27.5	88.4	88.4	7.0	7.0	8.2		12		74				<0.2		1.2	
						6.1	0.3	150	22.8		8.0		27.5		88.4		7.0		8.2		11		73				<0.2		1.4	
IM7	Cloudy	Moderate	11:41	8.6	Surface	1.0	0.3	85	24.6	24.6	8.2	8.2	19.3	19.3	105.2	105.0	8.4	7.9	2.7	3.3	5	6	74	74	806838	821349	<0.2	<0.2	1.5	1.7
						1.0	0.3	93	24.6		8.2		19.3		104.7		8.4		2.7		4		74				<0.2		1.9	
					Middle	4.3	0.4	72	23.7	23.7	8.0	8.0	24.3	24.3	93.8	93.8	7.4		3.0		3		75				<0.2		2.1	
						4.3	0.4	76	23.7		8.0		24.3		93.7		7.4		3.1		3		75				<0.2		2.1	
					Bottom	7.6	0.4	73	23.0	23.1	8.0	8.0	26.6	26.6	92.1	92.2	7.3	7.3	4.0		10		74				<0.2		1.3	
						7.6	0.4	76	23.1		8.0		26.5		92.2		7.3		4.0		10		73				<0.2		1.3	
IM8	Cloudy	Moderate	10:19	8.7	Surface	1.0	0.5	132	24.7	24.7	8.1	8.1	19.5	19.5	103.4	103.3	8.3	7.7	2.5	4.7	3	5	74	75	807823	821695	<0.2	<0.2	2.2	2.3
						1.0	0.6	139	24.7		8.1		19.5		103.2		8.3		2.4		4		74				<0.2		2.4	
					Middle	4.4	0.6	132	23.6	23.6	8.0	8.0	23.0	23.0	88.9	88.9	7.1		5.1		5		74				<0.2		2.5	
						4.4	0.6	143	23.5		8.0		23.0		88.8		7.1		5.1		4		74				<0.2		2.4	
					Bottom	7.7	0.5	145	23.0	23.0	8.0	8.0	26.6	26.6	88.9	89.0	7.0	7.1	6.5		9		75				<0.2		2.2	
						7.7	0.5	152	23.0		8.0		26.6		89.1		7.1		6.5		7		76				<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 18 April 17 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	10:07	8.0	Surface	1.0	0.4	222	23.8	23.8	8.1	8.1	22.0	22.0	107.8	107.7	8.0	7.7	2.9	4.4	4	4	73	75	808808	822094	<0.2	<0.2	1.9	2.0
						1.0	0.4	241	23.7		8.1		22.0		107.6		8.0		2.9		4		74				<0.2		1.9	
					Middle	4.0	0.4	211	23.3	23.3	8.1	8.1	24.9	24.9	100.3	100.3	7.4		4.6		4		75				<0.2		1.9	
						4.0	0.4	230	23.2		8.1		24.9		100.2		7.4		4.6		4		76				<0.2		2.1	
					Bottom	7.0	0.3	162	22.7	22.7	8.1	8.1	27.6	27.6	101.0	101.0	7.4	7.4	5.8		5		76				<0.2		1.9	
						7.0	0.4	172	22.7		8.1		27.6		101.0		7.4		5.8		5		77				<0.2		2.0	
IM10	Cloudy	Moderate	09:56	7.6	Surface	1.0	0.3	234	24.5	24.5	8.2	8.2	21.1	21.1	122.4	122.4	9.1	8.6	2.1	3.3	5	4	74	75	809832	822240	<0.2	<0.2	2.2	1.9
						1.0	0.3	237	24.5		8.2		21.1		122.4		9.1		2.1		3		74				<0.2		2.1	
					Middle	3.8	0.3	180	23.7	23.7	8.1	8.1	22.5	22.5	108.3	108.3	8.1		2.8		3		75				<0.2		2.0	
						3.8	0.4	189	23.7		8.1		22.5		108.3		8.1		2.8		3		75				<0.2		1.8	
					Bottom	6.6	0.3	156	23.0	23.0	8.1	8.1	26.4	26.4	107.2	107.2	7.9	7.9	4.9		4		76				<0.2		1.7	
						6.6	0.4	157	23.0		8.1		26.4		107.2		7.9		4.9		4		76				<0.2		1.6	
IM11	Cloudy	Moderate	09:48	8.6	Surface	1.0	0.3	221	24.3	24.3	8.2	8.2	21.2	21.2	113.0	113.0	8.4	8.1	2.8	3.6	4	4	74	76	810548	821501	<0.2	<0.2	2.4	2.2
						1.0	0.3	227	24.3		8.2		21.2		113.0		8.4		2.8		3		75				<0.2		2.3	
					Middle	4.3	0.3	177	23.5	23.5	8.1	8.1	22.6	22.6	105.4	105.3	7.9		3.8		5		76				<0.2		2.4	
						4.3	0.3	184	23.5		8.1		22.6		105.1		7.8		3.8		4		76				<0.2		2.2	
					Bottom	7.6	0.3	177	23.1	23.2	8.1	8.1	26.5	26.5	111.9	113.8	8.2	8.4	4.3		4		77				<0.2		2.0	
						7.6	0.3	189	23.2		8.1		26.4		115.6		8.5		4.1		5		78				<0.2		2.0	
IM12	Cloudy	Moderate	09:37	9.8	Surface	1.0	0.4	221	24.8	24.8	8.2	8.2	21.0	21.0	122.4	122.4	9.0	8.4	2.3	3.5	5	6	73	75	811513	821162	<0.2	<0.2	2.1	2.3
						1.0	0.4	236	24.8		8.2		21.0		122.4		8.9		2.3		5		73				<0.2		2.2	
					Middle	4.9	0.4	199	23.6	23.6	8.1	8.1	22.5	22.5	108.3	108.3	7.9		3.8		4		75				<0.2		2.4	
						4.9	0.4	209	23.6		8.1		22.5		108.3		7.9		3.8		3		76				<0.2		2.1	
					Bottom	8.8	0.5	167	23.1	23.1	8.0	8.0	26.6	26.6	107.2	107.2	8.2	8.2	4.4		9		77				<0.2		2.4	
						8.8	0.6	182	23.1		8.0		26.6		107.2		8.2		4.4		10		77				<0.2		2.4	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	09:13	4.6	Surface	1.0	0.5	221	24.2	24.2	8.2	8.2	21.4	21.4	124.4	124.4	9.2	9.2	2.1	2.1	7	7	76	76	814172	821463	<0.2	<0.2	2.1	2.1
						1.0	0.5	225	24.2		8.2		21.4		124.4		9.2		2.1		8		74				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.5	150	24.3	24.3	8.2	8.2	22.3	22.3	125.7	125.7	9.3	9.3	2.1		7		76				<0.2		2.2	
						3.6	0.5	152	24.3		8.2		22.3		125.7		9.3		2.1		6		76				<0.2		2.2	
SR3	Cloudy	Moderate	10:31	9.2	Surface	1.0	0.4	245	24.7	24.7	8.1	8.1	19.6	19.6	103.0	102.9	8.2	7.9	2.1	3.1	3	4		-	807588	822147	-	-	-	-
						1.0	0.4	262	24.7		8.1		19.6		102.7		8.2		2.1		3						-		-	
					Middle	4.6	0.4	229	23.9	23.9	8.0	8.0	21.6	21.6	93.5	93.5	7.5		3.0		4						-		-	
						4.6	0.4	229	23.9		8.0		21.6		93.4		7.5		3.1		4						-		-	
					Bottom	8.2	0.3	217	23.3	23.3	8.0	8.0	26.3	26.3	93.7	93.8	7.4	7.4	4.1		5						-		-	
						8.2	0.4	222	23.3		8.0		26.3		93.9		7.4		3.9		5						-		-	
SR4A	Cloudy	Moderate	09:59	9.5	Surface	1.0	0.3	111	24.6	24.6	8.0	8.0	22.0	22.0	102.3	102.3	8.1	7.6	3.5	6.4	5	6		-	807820	817189	-	-	-	-
						1.0	0.3	112	24.6		8.0		22.0		102.2		8.1		3.5		4						-		-	
					Middle	4.8	0.3	104	23.9	23.9	8.0	8.0	24.7	24.7	90.7	90.6	7.1		7.9		4						-		-	
						4.8	0.3	107	23.9		8.0		24.7		90.5		7.1		7.9		4						-		-	
					Bottom	8.5	0.3	102	23.1	23.1	8.0	8.0	27.0	27.1	89.2	89.3	7.0	7.0	7.7		9						-		-	
						8.5	0.4	108	23.1		8.0		27.1		89.3		7.0		7.7		8						-		-	
SR5A	Cloudy	Moderate	09:43	4.3	Surface	1.0	0.2	168	24.8	24.8	8.0	8.0	24.0	24.0	101.3	101.2	7.9	7.9	2.0	3.2	3	7		-	810693	816593	-	-	-	-
						1.0	0.2	183	24.8		8.0		24.0		101.1		7.9		2.0		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.3	0.1	183	24.3	24.3	8.0	8.0	24.9	24.9	94.0	94.0	7.3	7.3	4.4		10						-		-	
						3.3	0.1	201	24.3		8.0		24.9		94.0		7.3		4.4		9						-		-	
SR6	Cloudy	Moderate	09:20	4.7	Surface	1.0	0.2	123	24.1	24.1	8.0	8.0	22.2	22.2	96.0	96.0	7.6	7.6	5.1	4.4	6	6		-	814679	817899	-	-	-	-
						1.0	0.2	124	24.1		8.0		22.2		95.9		7.6		5.1		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.7	0.2	123	24.0	24.0	8.0	8.0	23.7	23.7	93.5	93.5	7.4	7.4	3.6		6						-		-	
						3.7	0.2	129	24.0		8.0		23.7		93.5		7.4		3.6		7						-		-	
SR7	Cloudy	Moderate	08:27	16.5	Surface	1.0	0.3	218	23.9	23.9	8.0	8.0	25.2	25.2	89.4	89.3	7.0	6.8	1.2	1.7	6	5		-	823732	823636	-	-	-	-
						1.0	0.3	220	23.9		8.0		25.2		89.2		7.0		1.2		5						-		-	
					Middle	8.3	0.2	179	23.2	23.2	8.0	8.0	28.1	28.1	84.1	84.1	6.6		1.5		4						-		-	
						8.3	0.2	196	23.2		8.0		28.1		84.0		6.6		1.5		4						-		-	
					Bottom	15.5	0.3	134	22.7	22.7	8.0	8.0	30.8	30.8	82.4	82.4	6.4	6.4	2.3		4						-		-	
						15.5	0.3	137	22.7		8.0		30.8		82.4		6.4		2.3		4						-		-	
SR8	Cloudy	Moderate	09:27	5.2	Surface	1.0	0.4	196	24.3	24.3	8.2	8.2	21.3	21.3	119.6	119.4	8.9	8.9	2.2	2.4	5	6		-	811583	820417	-	-	-	-
						1.0	0.4	208	24.2		8.2		21.3		119.2		8.8		2.3		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	157	23.6	23.6	8.1	8.1	22.6	22.6	116.4	116.4	8.7	8.7	2.6		5						-		-	
						4.2	0.3	161	23.6		8.1		22.6		116.4		8.7		2.6		6						-		-	

DA: Depth-Averaged

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	17:30	8.4	Surface	1.0	0.4	149	25.4	25.4	8.3	8.3	19.8	19.9	111.7	111.2	8.8	7.9	2.3	4.2	6	6	75	74	804245	815620	<0.2	<0.2	2.4	1.5
						1.0	0.4	152	25.4		8.3		19.9		110.7		8.7		2.4		4		75				<0.2		2.3	
					Middle	4.2	0.4	134	22.5	22.5	8.0	8.0	28.6	28.6	88.9	88.9	7.0		4.6		4		76				<0.2		1.2	
						4.2	0.4	144	22.5		8.0		28.6		88.9		7.0		4.7		4		74				<0.2		1.3	
					Bottom	7.4	0.4	167	22.4	22.4	8.0	8.0	28.9	28.9	90.5	90.6	7.2	7.2	5.5		8		73				<0.2		0.9	
						7.4	0.4	182	22.4		8.0		28.9		90.6		7.2		5.5		8		73				<0.2		0.7	
C2	Cloudy	Moderate	15:46	11.8	Surface	1.0	0.3	145	25.2	25.2	8.2	8.2	18.2	18.2	114.6	114.4	9.2	8.3	3.0	5.4	5	7	76	75	806936	825682	<0.2	<0.2	2.3	2.0
						1.0	0.3	149	25.2		8.2		18.1		114.1		9.1		3.1		4		76				<0.2		2.3	
					Middle	5.9	0.4	150	23.5	23.5	8.0	8.0	23.0	23.0	93.0	93.0	7.5		4.7		6		75				<0.2		2.3	
						5.9	0.4	155	23.5		8.0		23.0		93.0		7.5		4.8		6		74				<0.2		2.0	
					Bottom	10.8	0.4	139	23.1	23.1	8.0	8.0	24.4	24.4	95.0	95.7	7.6	7.7	8.1		10		76				<0.2		1.4	
						10.8	0.4	152	23.1		8.0		24.4		96.3		7.7		8.4		11		75				<0.2		1.6	
C3	Cloudy	Moderate	17:32	11.8	Surface	1.0	0.3	146	23.8	23.8	8.1	8.1	24.8	24.8	113.1	113.1	8.3	8.0	1.9	2.1	7	6	76	75	817798	822109	<0.2	<0.2	2.4	2.8
						1.0	0.4	156	23.8		8.1		24.8		113.1		8.3		1.9		7		74				<0.2		2.4	
					Middle	5.9	0.4	148	23.6	23.6	8.1	8.1	25.1	25.1	104.5	104.5	7.7		2.2		5		73				<0.2		3.0	
						5.9	0.4	156	23.6		8.1		25.1		104.5		7.7		2.2		5		75				<0.2		3.1	
					Bottom	10.8	0.4	151	23.3	23.3	8.1	8.1	28.2	28.2	109.8	109.8	8.0	8.0	2.2		5		74				<0.2		3.0	
						10.8	0.4	162	23.3		8.1		28.2		109.8		8.0		2.2		5		76				<0.2		3.1	
IM1	Cloudy	Moderate	17:18	6.5	Surface	1.0	0.3	157	25.1	25.1	8.3	8.3	22.2	22.2	118.3	117.9	9.2	8.1	2.6	4.3	8	10	76	75	806443	818351	<0.2	<0.2	2.3	1.4
						1.0	0.4	167	25.1		8.3		22.2		117.5		9.2		2.6		7		76				<0.2		2.3	
					Middle	3.3	0.3	144	23.0	23.0	8.0	8.0	27.7	27.7	88.2	88.2	6.9		4.7		7		75				<0.2		1.2	
						3.3	0.3	144	23.0		8.0		27.7		88.2		6.9		4.7		9		74				<0.2		1.2	
					Bottom	5.5	0.3	157	23.0	23.0	8.0	8.0	27.9	27.9	88.3	88.3	6.9	6.9	5.5		14		75				<0.2		0.8	
						5.5	0.3	162	23.0		8.0		27.9		88.3		6.9		5.5		13		74				<0.2		0.8	
IM2	Cloudy	Moderate	17:11	7.9	Surface	1.0	0.4	201	24.2	24.3	8.1	8.1	23.5	23.5	106.5	106.3	8.4	7.8	2.7	4.6	6	8	74	76	806203	818852	<0.2	<0.2	2.4	2.0
						1.0	0.4	205	24.3		8.1		23.5		106.1		8.4		2.8		7		75				<0.2		2.3	
					Middle	4.0	0.4	207	22.8	22.8	8.0	8.0	27.3	27.3	91.2	91.3	7.2		4.7		6		75				<0.2		2.1	
						4.0	0.4	210	22.8		8.0		27.3		91.3		7.2		4.7		6		77				<0.2		2.0	
					Bottom	6.9	0.3	203	22.6	22.6	8.0	8.0	28.1	28.1	90.5	90.6	7.2	7.2	6.4		10		77				<0.2		1.7	
						6.9	0.3	210	22.6		8.0		28.1		90.7		7.2		6.3		12		76				<0.2		1.7	
IM3	Cloudy	Moderate	17:01	8.9	Surface	1.0	0.3	176	25.7	25.7	8.3	8.3	19.5	19.5	109.6	109.0	8.6	7.9	2.3	2.9	9	10	76	76	806034	819411	<0.2	<0.2	2.2	1.9
						1.0	0.3	185	25.7		8.3		19.5		108.3		8.5		2.4		8		75				<0.2		2.1	
					Middle	4.5	0.3	165	23.0	23.0	8.0	8.0	26.8	26.8	92.5	92.6	7.3		3.3		9		76				<0.2		1.8	
						4.5	0.3	171	23.0		8.0		26.8		92.6		7.3		3.3		11		77				<0.2		1.8	
					Bottom	7.9	0.3	155	22.8	22.8	8.0	8.0	27.3	27.3	93.6	93.7	7.4	7.4	3.0		10		77				<0.2		1.9	
						7.9	0.3	166	22.8		8.0		27.2		93.7		7.4		3.0		10		75				<0.2		1.6	
IM4	Cloudy	Moderate	17:01	8.5	Surface	1.0	0.3	195	26.6	26.6	8.4	8.4	18.8	18.8	141.4	141.1	11.0	9.2	2.9	4.3	7	7	74	76	805058	819570	<0.2	<0.2	2.2	2.1
						1.0	0.3	211	26.6		8.4		18.8		140.8		10.9		2.8		6		75				<0.2		2.3	
					Middle	4.3	0.3	178	23.3	23.3	8.0	8.0	25.9	25.9	93.1	93.1	7.4		4.0		8		75				<0.2		2.6	
						4.3	0.3	183	23.3		8.0		25.9		93.0		7.4		4.0		6		76				<0.2		2.3	
					Bottom	7.5	0.2	147	22.7	22.7	8.0	8.0	27.7	27.7	92.3	92.4	7.3	7.3	6.1		7		77				<0.2		1.4	
						7.5	0.3	148	22.7		8.0		27.7		92.4		7.3		6.2		9		76				<0.2		1.5	
IM5	Cloudy	Moderate	16:45	8.0	Surface	1.0	0.4	191	26.6	26.6	8.3	8.3	18.8	18.8	110.4	110.6	10.0	8.7	2.5	4.3	7	8	73	75	804943	820564	<0.2	<0.2	2.2	1.8
						1.0	0.4	201	26.5		8.3		18.8		110.8		9.9		2.6		7		75				<0.2		2.2	
					Middle	4.0	0.4	208	23.2	23.2	8.3	8.3	25.8	25.9	93.1	93.3	7.4		4.0		6		75				<0.2		2.0	
						4.0	0.4	210	23.2		8.3		25.9		93.4		7.4		4.1		6		76				<0.2		2.3	
					Bottom	7.0	0.4	186	22.7	22.7	8.0	8.0	27.7	27.7	92.5	92.6	7.4	7.4	6.2		13		77				<0.2		1.1	
						7.0	0.4	200	22.7		8.0		27.7		92.6		7.4		6.3		11		74				<0.2		1.0	
IM6	Cloudy	Moderate	16:39	7.4	Surface	1.0	0.3	190	25.7	25.7	8.4	8.4	19.0	19.0	147.5	147.2	11.6	9.4	2.5	5.3	5	6	75	75	805825	821060	<0.2	<0.2	2.4	2.4
						1.0	0.3	196	25.7		8.4		19.0		146.8		11.6		2.5		4		75				<0.2		2.3	
					Middle	3.7	0.3	182	22.6	22.6	8.0	8.0	27.9	27.9	90.5	90.6	7.2		6.7		6		76				<0.2		2.6	
						3.7	0.3	193	22.6		8.0		27.9		90.6		7.2		6.7		6		76				<0.2		2.4	
					Bottom	6.4	0.3	154	22.5	22.6	8.0	8.0	28.2	28.2	95.3	95.4	7.5	7.6	6.8		8		76				<0.2		2.4	
						6.4	0.3	159	22.6		8.0		28.1		95.5		7.6		6.6		7		71				<0.2		2.2	
IM7	Cloudy	Moderate	16:14	7.3	Surface	1.0	0.3	167	25.0	25.0	8.2	8.2	19.6	19.6	121.6	121.6	9.7	8.8	3.3	7.6	6	7	72	74	806829	821349	<0.2	<0.2	2.6	2.2
						1.0	0.4	171	25.0		8.2		19.5		121.5		9.7		3.4		5		74				<0.2		2.3	
					Middle	3.7	0.3	178	24.3	24.3	8.1	8.1	20.8	20.8	98.1	97.9	7.9		7.0		7		74				<0.2		2.4	
						3.7	0.3	178	24.3		8.1		20.8		97.6		7.8		7.2		5		75				<0.2		2.4	
					Bottom	6.3	0.4	133	22.6	22.6	8.0	8.0	26.9	26.9	89.4	89.5	7.1	7.1	12.3		9		76				<0.2		1.7	
						6.3	0.4	138	22.6		8.0		26.9		89.5		7.1		12.3		7		74				<0.2		1.7	
IM8	Cloudy	Moderate	16:10	8.1	Surface	1.0	0.3	133	24.7	24.8	8.1	8.1	19.0	19.0	110.8	110.6	8.9	8.2	2.8	6.2	4	9	77	75	807832	821695	<0.2	<0.2	1.2	1.7
						1.0	0.3	141	24.8		8.1		18.9		110.4		8.9		2.9		4		76				<0.2		1.7	
					Middle	4.1	0.3	176	23.4	23.4	8.0	8.0	23.9	24.0	92.4	92.4	7.4		5.7		4		74				<0.2		1.9	
						4.1	0.4	180	23.4		8.0		24.0		92.3		7.4		5.9		4		73				<0.2		1.8	
					Bottom	7.1	0.4	140	23.0	23.1	8.0	8.0	25.9	25.9	90.6	90.7	7.2	7.2	9.9		19		75				<0.2		1.8	
						7.1	0.4	148	23.1		8.0		25.8		90.7		7.2		9.7		17		74				<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 18 April 17 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	16:12	7.4	Surface	1.0	0.3	136	23.9	23.9	8.1	8.1	21.7	21.7	111.5	111.5	8.3	8.0	2.5	5.6	4	7	75	75	808825	822094	<0.2	<0.2	2.2	2.1
						1.0	0.3	140	23.9		8.1		21.7		111.4		8.3		2.5		6		76				<0.2		1.9	
					Middle	3.7	0.4	180	23.5	23.5	8.1	8.1	23.7	23.7	102.3	102.2	7.6		4.7		6		73				<0.2		2.2	
						3.7	0.4	180	23.5		8.1		23.7		102.1		7.6		4.8		7		74				<0.2		2.1	
					Bottom	6.4	0.3	148	22.6	22.6	8.1	8.1	27.8	27.8	97.0	97.0	7.1	7.1	9.6		8		75				<0.2		2.1	
						6.4	0.3	157	22.6		8.1		27.8		97.0		7.1		9.6		9		75				<0.2		2.1	
IM10	Cloudy	Moderate	16:23	8.4	Surface	1.0	0.5	119	24.3	24.3	8.2	8.2	21.3	21.3	115.7	115.7	8.6	8.2	2.3	3.5	6	5	76	76	809845	822240	<0.2	<0.2	2.1	2.2
						1.0	0.5	121	24.3		8.2		21.3		115.7		8.6		2.3		5		77				<0.2		2.1	
					Middle	4.2	0.4	169	23.6	23.6	8.1	8.1	22.7	22.7	103.7	103.7	7.7		3.8		5		74				<0.2		2.1	
						4.2	0.4	172	23.6		8.1		22.7		103.7		7.7		3.8		5		75				<0.2		2.2	
					Bottom	7.4	0.3	146	23.2	23.2	8.1	8.1	26.1	26.1	106.3	106.3	7.8	7.8	4.4		5		76				<0.2		2.2	
						7.4	0.3	147	23.2		8.1		26.1		106.3		7.8		4.4		4		76				<0.2		2.2	
IM11	Cloudy	Moderate	16:35	8.5	Surface	1.0	0.4	129	24.5	24.5	8.2	8.2	21.0	21.0	114.1	114.1	8.4	7.9	4.3	8.7	5	6	77	75	810545	821501	<0.2	<0.2	2.2	2.4
						1.0	0.5	140	24.5		8.2		21.0		114.1		8.4		4.3		4		76				<0.2		2.5	
					Middle	4.3	0.3	118	23.5	23.5	8.1	8.1	22.8	22.8	98.8	98.8	7.4		10.3		6		74				<0.2		2.3	
						4.3	0.3	128	23.5		8.1		22.8		98.8		7.4		10.3		5		73				<0.2		2.5	
					Bottom	7.5	0.4	198	22.9	22.9	8.1	8.1	26.7	26.7	100.3	100.3	7.4	7.4	11.6		9		75				<0.2		2.3	
						7.5	0.4	199	22.9		8.1		26.7		100.3		7.4		11.6		7		75				<0.2		2.3	
IM12	Cloudy	Moderate	16:45	8.0	Surface	1.0	0.4	133	24.5	24.5	8.2	8.2	21.0	21.0	121.1	120.8	9.0	8.4	2.4	3.8	4	5	75	75	811518	821162	<0.2	<0.2	2.6	2.5
						1.0	0.4	138	24.5		8.2		21.0		120.5		8.9		2.4		6		76				<0.2		2.4	
					Middle	4.0	0.4	185	23.6	23.6	8.1	8.1	22.5	22.5	105.7	105.7	7.9		3.8		4		74				<0.2		2.5	
						4.0	0.4	193	23.6		8.1		22.5		105.7		7.9		3.8		6		73				<0.2		2.4	
					Bottom	7.0	0.4	166	23.0	23.0	8.1	8.1	26.6	26.6	111.8	111.8	8.2	8.2	5.3		5		74				<0.2		2.4	
						7.0	0.4	167	23.0		8.1		26.6		111.8		8.2		5.3		4		75				<0.2		2.4	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	17:15	4.6	Surface	1.0	0.4	132	24.2	24.2	8.2	8.2	21.4	21.4	122.3	122.3	9.1	9.1	2.2	2.2	7	7	76	75	814154	821463	<0.2	<0.2	1.6	1.8
						1.0	0.4	140	24.2		8.2		21.4		122.3		9.1		2.2		7		73				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.3	206	23.8	23.8	8.2	8.2	22.3	22.3	122.5	122.5	9.1	9.1	2.2		7		75				<0.2		2.0	
						3.6	0.3	214	23.8		8.2		22.3		122.5		9.1		2.2		7		77				<0.2		1.8	
SR3	Cloudy	Moderate	15:59	9.8	Surface	1.0	0.5	129	25.0	25.0	8.1	8.1	18.6	18.6	109.0	108.8	8.7	8.0	2.9	5.2	5	9		-	807559	822147	-	-	-	-
						1.0	0.5	130	25.0		8.1		18.6		108.5		8.7		2.9		7						-		-	
					Middle	4.9	0.3	115	23.5	23.5	8.0	8.0	23.6	23.6	91.9	91.9	7.3		4.2		8						-		-	
						4.9	0.3	119	23.5		8.0		23.6		91.8		7.3		4.3		9						-		-	
					Bottom	8.8	0.3	135	23.0	23.0	7.9	7.9	25.3	25.3	88.0	88.1	7.0	7.0	8.6		12						-		-	
						8.8	0.4	140	23.0		7.9		25.3		88.1		7.0		8.5		12						-		-	
SR4A	Cloudy	Moderate	17:46	8.8	Surface	1.0	0.3	150	25.2	25.3	8.3	8.3	22.7	22.7	119.7	119.3	9.3	8.2	5.1	7.0	6	8		-	807811	817189	-	-	-	-
						1.0	0.3	158	25.3		8.3		22.6		118.9		9.2		5.1		6						-		-	
					Middle	4.4	0.3	157	22.8	22.8	8.0	8.0	27.4	27.4	89.5	89.6	7.1		8.1		8						-		-	
						4.4	0.3	172	22.8		8.0		27.4		89.6		7.1		8.1		10						-		-	
					Bottom	7.8	0.2	155	22.8	22.8	8.0	8.0	27.4	27.4	92.3	92.4	7.3	7.3	7.9		9						-		-	
						7.8	0.2	168	22.8		8.0		27.4		92.5		7.3		7.9		9						-		-	
SR5A	Cloudy	Moderate	18:09	4.5	Surface	1.0	0.1	168	25.8	25.8	8.2	8.2	22.8	22.8	114.5	114.5	8.8	8.8	5.9	7.0	4	5		-	810711	816593	-	-	-	-
						1.0	0.1	174	25.8		8.2		22.8		114.5		8.8		6.1		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.1	190	24.6	24.6	8.0	8.0	23.7	23.7	111.9	112.0	8.7	8.8	8.0		6						-		-	
						3.5	0.1	191	24.6		8.0		23.7		112.0		8.8		8.0		5						-		-	
SR6	Cloudy	Moderate	18:27	4.3	Surface	1.0	0.2	252	25.7	25.8	8.1	8.1	21.9	21.9	130.2	130.2	10.1	10.1	6.1	7.9	7	10		-	814657	817899	-	-	-	-
						1.0	0.2	264	25.8		8.1		21.9		130.2		10.1		6.0		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.3	0.1	213	25.0	25.1	8.1	8.1	22.6	22.6	123.3	123.3	9.6	9.6	9.8		12						-		-	
						3.3	0.1	226	25.1		8.1		22.5		123.2		9.6		9.5		13						-		-	
SR7	Cloudy	Moderate	18:01	17.2	Surface	1.0	0.4	152	25.1	25.1	8.1	8.1	22.1	22.1	116.7	116.6	9.1	8.5	0.5	0.9	4	4		-	823749	823636	-	-	-	-
						1.0	0.4	157	25.1		8.1		22.1		116.4		9.1		0.5		4						-		-	
					Middle	8.6	0.3	142	23.8	23.8	8.0	8.0	24.5	24.5	99.1	99.1	7.8		1.0		3						-		-	
						8.6	0.4	146	23.8		8.0		24.4		99.1		7.8		1.0		3						-		-	
					Bottom	16.2	0.3	226	23.6	23.7	7.9	7.9	26.3	26.3	103.1	103.3	8.1	8.1	1.2		4						-		-	
						16.2	0.3	232	23.7		7.9		26.3		103.4		8.1		1.2		4						-		-	
SR8	Cloudy	Moderate	16:54	5.2	Surface	1.0	0.4	199	24.3	24.3	8.2	8.2	21.3	21.3	119.6	119.4	8.9	8.9	2.2	2.4	6	6		-	811574	820417	-	-	-	-
						1.0	0.4	207	24.2		8.2		21.3		119.2		8.8		2.3		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.4	161	23.6	23.6	8.1	8.1	22.6	22.6	116.4	116.4	8.7	8.7	2.6		6						-		-	
						4.2	0.4	161	23.6		8.1		22.6		116.4		8.7		2.6		6						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 April 17 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	13:09	7.1	Surface	1.0	0.4	190	24.6	24.6	8.3	8.3	23.9	23.9	107.0	106.8	8.4	8.0	1.6	3.4	4	6	75	76	804242	815620	<0.2	<0.2	2.2	1.9
						1.0	0.4	191	24.6		8.3		23.9		106.6		8.3		1.6		3		75				<0.2		2.1	
					Middle	3.6	0.4	237	19.8	19.8	8.2	8.2	25.9	25.9	98.7	98.6	7.7		2.7		9		76				<0.2		2.0	
						3.6	0.4	256	19.8		8.2		25.9		98.5		7.7		2.7		10		76				<0.2		2.1	
					Bottom	6.1	0.4	215	18.7	18.7	8.1	8.1	29.8	29.8	102.2	102.2	8.0	8.0	5.8		4		77				<0.2		1.4	
						6.1	0.4	236	18.7		8.1		29.8		102.2		8.0		5.8		4		77				<0.2		1.4	
C2	Rainy	Moderate	14:20	12.4	Surface	1.0	0.4	161	24.1	24.1	8.3	8.3	20.5	20.5	111.6	111.4	8.8	8.4	1.1	1.6	5	6	75	78	806941	825682	<0.2	<0.2	2.6	2.4
						1.0	0.4	171	24.1		8.3		20.5		111.1		8.8		1.0		3		76				<0.2		2.7	
					Middle	6.2	0.3	157	20.4	20.4	8.1	8.1	23.4	23.5	100.3	100.2	7.9		1.2		8		78				<0.2		2.6	
						6.2	0.3	157	20.4		8.1		23.5		100.1		7.9		1.2		6		78				<0.2		2.8	
					Bottom	11.4	0.4	152	19.2	19.2	8.0	8.0	26.6	26.6	106.1	106.5	8.4	8.4	2.6		8		79				<0.2		1.6	
						11.4	0.4	152	19.2		8.0		26.6		106.8		8.4		2.5		8		80				<0.2		1.9	
C3	Cloudy	Moderate	11:45	12.4	Surface	1.0	0.2	152	24.5	24.5	8.3	8.3	23.3	23.3	128.8	128.8	9.4	8.5	0.7	1.3	6	4	74	76	817805	822109	<0.2	0.2	2.2	2.4
						1.0	0.2	158	24.5		8.3		23.3		128.7		9.4		0.7		4		75				<0.2		2.0	
					Middle	6.2	0.2	102	23.6	23.6	8.1	8.1	26.5	26.5	102.9	102.9	7.5		1.3		4		75				<0.2		2.7	
						6.2	0.2	110	23.6		8.1		26.5		102.9		7.5		1.3		4		75				<0.2		2.6	
					Bottom	11.4	0.2	132	23.2	23.2	8.1	8.1	28.6	28.6	111.4	111.4	8.1	8.1	1.8		2		77				<0.2		2.4	
						11.4	0.2	141	23.2		8.1		28.6		111.4		8.1		1.8		3		77				0.2		2.4	
IM1	Rainy	Moderate	13:26	8.8	Surface	1.0	0.3	174	24.0	24.0	8.3	8.3	22.1	22.1	103.2	103.0	8.1	7.8	2.3	4.4	4	6	74	75	806462	818351	<0.2	<0.2	2.5	2.1
						1.0	0.3	189	24.0		8.3		22.0		102.7		8.1		2.3		5		74				<0.2		2.5	
					Middle	4.4	0.3	180	19.2	19.2	8.1	8.1	27.2	27.2	95.5	95.5	7.5		4.5		4		75				<0.2		2.7	
						4.4	0.3	193	19.2		8.1		27.2		95.5		7.5		4.6		6		76				<0.2		2.4	
					Bottom	7.8	0.3	181	18.9	18.9	8.1	8.1	29.1	29.1	99.7	99.9	7.8	7.8	6.3		10		76				<0.2		1.2	
						7.8	0.3	186	18.9		8.1		29.1		100.0		7.8		6.3		9		77				<0.2		1.5	
IM2	Rainy	Moderate	13:32	8.5	Surface	1.0	0.4	197	24.1	24.1	8.3	8.3	20.5	20.5	100.2	99.9	7.9	7.7	2.2	3.7	5	6	75	76	806191	818852	<0.2	<0.2	2.4	1.9
						1.0	0.4	213	24.1		8.3		20.5		99.6		7.9		2.3		6		75				<0.2		2.3	
					Middle	4.3	0.3	205	18.9	18.9	8.0	8.0	27.8	27.8	93.5	93.7	7.4		4.3		3		75				<0.2		2.2	
						4.3	0.3	223	18.9		8.0		27.8		93.8		7.4		4.3		4		75				<0.2		2.3	
					Bottom	7.5	0.3	176	18.9	18.9	8.0	8.0	29.1	29.1	101.8	102.1	8.0	8.0	4.4		9		77				<0.2		1.1	
						7.5	0.3	183	18.9		8.0		29.1		102.3		8.0		4.4		7		77				<0.2		1.1	
IM3	Rainy	Moderate	13:40	8.6	Surface	1.0	0.3	202	24.1	24.1	8.3	8.3	20.6	20.6	105.3	105.0	8.3	7.5	1.4	3.4	5	6	74	75	806015	819411	<0.2	<0.2	2.3	1.9
						1.0	0.3	216	24.1		8.3		20.6		104.7		8.3		1.5		7		74				<0.2		2.3	
					Middle	4.3	0.3	207	19.1	19.1	8.0	8.0	27.3	27.3	85.4	85.4	6.7		3.7		3		75				<0.2		2.3	
						4.3	0.3	215	19.1		8.0		27.3		85.4		6.7		3.8		4		75				<0.2		2.6	
					Bottom	7.6	0.3	151	18.9	18.9	8.0	8.0	28.8	28.8	93.4	93.6	7.3	7.3	5.1		6		77				<0.2		1.1	
						7.6	0.3	164	18.9		8.0		28.8		93.8		7.3		5.1		8		77				<0.2		1.0	
IM4	Rainy	Moderate	13:52	8.3	Surface	1.0	0.3	177	24.1	24.1	8.3	8.3	20.4	20.4	92.2	91.7	7.3	7.1	1.9	3.8	5	8	75	76	805030	819570	<0.2	<0.2	2.3	1.9
						1.0	0.3	188	24.1		8.3		20.4		91.2		7.2		2.0		7		76				<0.2		2.3	
					Middle	4.2	0.3	217	19.1	19.2	7.9	7.9	26.9	26.9	87.0	87.1	6.9		3.4		6		76				<0.2		2.2	
						4.2	0.3	233	19.2		7.9		26.9		87.2		6.9		3.5		5		77				<0.2		2.5	
					Bottom	7.3	0.3	166	18.7	18.7	8.0	8.0	29.4	29.4	99.7	100.0	7.8	7.8	6.1		12		77				<0.2		1.1	
						7.3	0.3	178	18.7		8.0		29.4		100.2		7.8		6.0		13		77				<0.2		1.0	
IM5	Rainy	Moderate	14:00	7.2	Surface	1.0	0.3	169	24.1	24.1	8.4	8.4	20.6	20.6	107.9	107.6	8.5	7.7	1.5	3.9	5	6	74	75	804936	820564	<0.2	<0.2	2.4	2.1
						1.0	0.3	169	24.1		8.4		20.6		107.3		8.5		1.6		7		75				<0.2		2.4	
					Middle	3.6	0.3	180	20.0	20.0	8.0	8.0	23.8	23.9	87.7	87.6	6.9		4.2		5		75				<0.2		1.7	
						3.6	0.3	194	20.0		8.0		23.9		87.4		6.9		4.2		4		75				<0.2		2.0	
					Bottom	6.2	0.2	175	18.7	18.7	8.0	8.0	28.9	28.9	90.4	90.6	7.1	7.1	6.0		6		76				<0.2		1.8	
						6.2	0.3	182	18.7		8.0		28.9		90.8		7.1		5.9		6		77				<0.2		2.0	
IM6	Rainy	Moderate	14:09	7.9	Surface	1.0	0.4	195	24.1	24.1	8.3	8.3	20.6	20.6	94.7	94.3	7.5	7.1	1.8	2.9	4	6	74	75	805815	821060	<0.2	<0.2	2.2	2.0
						1.0	0.4	202	24.1		8.2		20.6		93.8		7.4		1.8		6		74				<0.2		2.1	
					Middle	4.0	0.4	198	19.7	19.7	8.0	8.0	24.1	24.1	85.9	85.9	6.8		3.1		6		76				<0.2		2.0	
						4.0	0.4	217	19.7		8.0		24.1		85.9		6.8		3.2		6		75				<0.2		1.7	
					Bottom	6.9	0.4	146	19.0	19.0	7.9	7.9	27.3	27.3	92.6	92.9	7.3	7.4	3.7		6		76				<0.2		1.9	
						6.9	0.4	155	19.0		7.9		27.3		93.2		7.4		3.6		5		76				<0.2		1.8	
IM7	Rainy	Moderate	14:20	8.2	Surface	1.0	0.4	153	24.1	24.1	8.2	8.2	19.8	19.8	94.4	94.0	7.5	7.3	1.6	2.2	8	8	74	75	806826	821349	<0.2	0.2	2.1	2.1
						1.0	0.4	163	24.0		8.2		19.8		93.6		7.4		1.6		9		74				<0.2		2.2	
					Middle	4.1	0.3	186	19.8	19.8	8.0	8.0	24.0	24.0	89.2	89.2	7.1		2.6		8		75				<0.2		2.2	
						4.1	0.3	203	19.8		8.0		24.0		89.2		7.1		2.7		8		75				<0.2		2.4	
					Bottom	7.2	0.3	128	19.4	19.5	8.0	8.0	27.0	27.0	100.0	100.3	7.8	7.9	2.3		9		76				0.3		1.7	
						7.2	0.4	138	19.5		8.0		26.9		100.6		7.9		2.2		8		77				<0.2		1.8	
IM8	Rainy	Moderate	13:45	9.4	Surface	1.0	0.3	170	24.7	24.7	8.3	8.3	20.6	20.6	103.6	103.3	8.2	7.5	1.1	1.9	7	10	75	76	807856	821695	<0.2	<0.2	2.0	1.7
						1.0	0.3	184	24.7		8.3		20.6		103.0		8.1		1.1		7		75				<0.2		2.2	
					Middle	4.7	0.3	184	20.2	20.2	8.1	8.1	23.2	23.2	86.2	86.3	6.8		1.8		6		75				<0.2		2.1	
						4.7	0.3	185	20.2		8.1		23.2		86.3		6.8		1.9		8		76				<0.2		2.1	
					Bottom	8.4	0.3	119	19.6	19.6	8.0	8.0	25.3	25.3	83.6	83.7	6.6	6.6	2.7		16		78				<0.2		1.0	
						8.4	0.3	122	19.6		8.0		25.3		83.7		6.6		2.7		14		77				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 April 17 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	Rainy	Moderate	13:25	8.7	Surface	1.0	0.3	146	24.8	24.8	8.4	8.4	21.2	21.2	124.0	124.0	9.1	8.2	1.0	2.5	7	7	76	78	808818	822094	<0.2	<0.2	1.9	2.1
						1.0	0.3	157	24.8		8.4		21.2		124.0		9.1		1.0		7		76				<0.2		1.9	
					Middle	4.4	0.3	128	23.9	23.9	8.1	8.1	25.0	25.0	98.5	98.5	7.2		1.6		6		77				<0.2		1.7	
						4.4	0.3	133	23.9		8.1		25.0		98.5		7.2		1.6		6		78				<0.2		1.7	
					Bottom	7.7	0.3	176	22.8	22.8	8.0	8.0	28.0	28.0	95.5	95.5	7.0	7.0	4.9		6		79				<0.2		2.5	
						7.7	0.3	179	22.8		8.0		28.0		95.5		7.0		4.9		7		79				<0.2		2.6	
IM10	Rainy	Moderate	13:15	7.8	Surface	1.0	0.4	151	24.7	24.7	8.3	8.3	21.3	21.3	124.8	124.8	9.2	8.0	1.0	3.5	6	7	74	76	809850	822240	<0.2	<0.2	2.6	2.9
						1.0	0.4	157	24.7		8.3		21.3		124.8		9.2		1.0		7		74				<0.2		2.6	
					Middle	3.9	0.3	147	23.5	23.5	8.0	8.0	25.9	25.9	91.8	91.8	6.7		1.9		7		75				<0.2		3.1	
						3.9	0.3	153	23.5		8.0		25.9		91.8		6.7		1.9		5		76				<0.2		3.0	
					Bottom	6.8	0.3	131	22.8	22.8	8.0	8.0	28.0	28.0	91.9	92.1	6.7	6.8	7.4		8		77				<0.2		3.1	
						6.8	0.3	139	22.8		8.0		28.0		92.3		6.8		7.5		6		78				<0.2		2.9	
IM11	Rainy	Moderate	13:00	8.2	Surface	1.0	0.4	150	24.8	24.8	8.4	8.4	21.2	21.2	123.4	123.1	9.1	7.9	1.1	2.5	6	9	74	76	810526	821501	<0.2	<0.2	2.9	2.8
						1.0	0.4	155	24.8		8.4		21.2		122.7		9.0		1.1		8		75				<0.2		3.0	
					Middle	4.1	0.3	142	23.6	23.6	8.0	8.0	25.7	25.7	92.7	92.7	6.8		1.8		10		76				<0.2		2.6	
						4.1	0.3	143	23.6		8.0		25.7		92.7		6.8		1.8		8		76				<0.2		2.8	
					Bottom	7.2	0.3	115	22.8	22.8	8.0	8.0	28.0	28.0	94.8	94.8	7.0	7.0	4.6		9		78				<0.2		2.9	
						7.2	0.3	118	22.8		8.0		28.0		94.8		7.0		4.6		11		77				<0.2		2.8	
IM12	Rainy	Moderate	12:45	9.6	Surface	1.0	0.4	135	24.8	24.8	8.3	8.3	21.3	21.3	126.9	126.9	9.3	8.1	0.9	2.5	7	5	73	75	811513	821162	<0.2	<0.2	2.7	2.7
						1.0	0.4	138	24.8		8.3		21.3		126.9		9.3		0.9		9		73				<0.2		2.7	
					Middle	4.8	0.3	139	23.8	23.8	8.0	8.0	25.2	25.2	94.2	94.2	6.9		1.6		4		75				<0.2		2.8	
						4.8	0.3	144	23.8		8.0		25.2		94.2		6.9		1.6		5		75				<0.2		2.5	
					Bottom	8.6	0.3	117	22.8	22.8	7.9	7.9	27.9	27.9	94.0	94.0	6.9	6.9	5.1		4		78				<0.2		2.7	
						8.6	0.3	124	22.8		7.9		27.9		94.0		6.9		5.1		3		78				<0.2		2.8	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Rainy	Moderate	12:15	4.3	Surface	1.0	0.2	134	24.5	24.5	8.3	8.3	23.6	23.6	129.1	129.1	9.4	9.4	0.7	0.6	3	4	74	74	814157	821463	<0.2	<0.2	2.2	2.2
						1.0	0.2	134	24.5		8.3		23.6		129.1		9.4		0.7		4		73				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.3	0.2	150	24.4	24.4	8.3	8.3	23.9	23.9	124.4	124.4	9.1	9.1	0.5		3		74				<0.2		2.1	
						3.3	0.2	155	24.4		8.3		23.9		124.4		9.1		0.5		4		75				<0.2		2.1	
SR3	Rainy	Moderate	14:00	8.8	Surface	1.0	0.3	173	25.0	25.0	8.3	8.3	20.3	20.3	109.7	109.6	8.7	7.9	1.0	2.2	4	3		-	807572	822147	-	-	-	-
						1.0	0.3	176	25.0		8.3		20.3		109.4		8.7		1.0		4						-		-	
					Middle	4.4	0.3	173	20.2	20.2	8.1	8.1	23.2	23.2	88.1	87.9	7.0		2.3		3						-		-	
						4.4	0.3	176	20.1		8.1		23.2		87.7		7.0		2.4		2						-		-	
					Bottom	7.8	0.3	144	19.3	19.3	8.0	8.0	26.5	26.5	91.0	91.2	7.2	7.2	3.3		3						-		-	
						7.8	0.3	152	19.3		8.0		26.5		91.4		7.2		3.3		2						-		-	
SR4A	Rainy	Moderate	12:53	9.5	Surface	1.0	0.3	101	24.9	24.9	8.2	8.2	23.3	23.3	98.3	98.1	7.7	7.5	3.7	4.3	3	3		-	807792	817189	-	-	-	-
						1.0	0.3	109	24.9		8.2		23.2		97.9		7.6		3.8		2						-		-	
					Middle	4.8	0.3	144	19.4	19.4	8.1	8.1	26.6	26.6	93.1	93.2	7.3		4.7		2						-		-	
						4.8	0.3	155	19.4		8.1		26.6		93.2		7.3		4.7		2						-		-	
					Bottom	8.5	0.3	126	19.0	19.0	8.1	8.1	28.6	28.6	94.3	94.4	7.4	7.4	4.4		4						-		-	
						8.5	0.3	126	19.0		8.1		28.6		94.4		7.4		4.4		4						-		-	
SR5A	Rainy	Moderate	12:37	5.0	Surface	1.0	0.4	128	24.3	24.3	8.3	8.3	23.2	23.2	109.5	109.5	8.5	8.5	3.3	4.2	6	10		-	810697	816593	-	-	-	-
						1.0	0.4	130	24.3		8.3		23.2		109.4		8.5		3.3		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.3	153	20.9	20.9	8.1	8.2	24.2	24.2	108.3	108.4	8.4	8.4	5.1		14						-		-	
						4.0	0.3	158	20.9		8.2		24.2		108.5		8.4		5.1		16						-		-	
SR6	Cloudy	Moderate	12:15	4.5	Surface	1.0	0.2	151	24.2	24.2	8.1	8.1	23.6	23.6	106.3	106.2	8.2	8.2	6.6	7.9	8	13		-	814675	817899	-	-	-	-
						1.0	0.2	166	24.2		8.1		23.6		106.1		8.2		6.7		10						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.2	167	20.7	20.7	8.1	8.1	24.3	24.3	106.2	106.5	8.3	8.3	9.3		17						-		-	
						3.5	0.2	178	20.7		8.1		24.2		106.7		8.3		9.0		18						-		-	
SR7	Cloudy	Moderate	11:15	24.9	Surface	1.0	0.6	117	20.6	20.6	8.2	8.2	24.7	24.7	107.0	106.9	8.3	7.5	1.6	1.8	4	4		-	823760	823636	-	-	-	-
						1.0	0.6	118	20.6		8.2		24.7		106.7		8.3		1.6		3						-		-	
					Middle	12.5	0.3	115	19.0	19.0	8.0	8.0	30.5	30.5	86.3	86.3	6.7		1.8		5						-		-	
						12.5	0.3	121	19.0		8.0		30.5		86.3		6.7		1.8		6						-		-	
					Bottom	23.9	0.2	161	18.9	18.9	8.0	8.0	30.9	30.9	90.2	90.3	7.0	7.0	1.9		5						-		-	
						23.9	0.2	168	18.9		8.0		30.9		90.3		7.0		1.9		3						-		-	
SR8	Rainy	Moderate	12:30	5.6	Surface	1.0	0.2	121	24.5	24.5	8.3	8.3	23.4	23.4	128.1	128.1	9.4	9.4	0.7	0.8	5	4		-	811581	820417	-	-	-	-
						1.0	0.2	131	24.5		8.3		23.4		128.1		9.4		0.7		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.3	158	24.5	24.5	8.2	8.2	23.7	23.7	116.7	116.7	8.5	8.5	0.8		4						-		-	
						4.6	0.3	160	24.5		8.2		23.7		116.7		8.5		0.8		4						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 April 17 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 (^oC)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	19:42	7.2	Surface	1.0	0.3	128	24.1	24.1	8.4	8.4	22.0	22.0	110.7	110.5	8.7	8.0	1.5	3.8	11	9	73	74	804229	815620	<0.2	<0.2	1.3	1.3
						1.0	0.3	138	24.1		8.4		22.0		110.3		8.6		1.5		13		73				<0.2		1.4	
					Middle	3.6	0.3	147	20.2	20.2	8.2	8.2	25.1	25.1	94.5	94.4	7.4		4.0		5		74				<0.2		1.3	
						3.6	0.3	147	20.2		8.2		25.0		94.2		7.4		4.1		7		74				<0.2		1.3	
					Bottom	6.2	0.2	174	18.7	18.7	8.0	8.0	29.4	29.4	97.7	97.9	7.7	7.7	5.9		9		76				<0.2		1.3	
						6.2	0.3	185	18.7		8.0		29.4		98.1		7.7		5.8		7		76				<0.2		1.0	
C2	Fine	Moderate	18:11	18.2	Surface	1.0	0.3	149	24.3	24.3	8.4	8.4	20.0	20.0	126.5	126.3	10.0	8.4	1.2	3.8	9	6	73	75	806931	825682	<0.2	<0.2	1.6	1.5
						1.0	0.3	157	24.3		8.4		20.0		126.0		9.9		1.2		7		73				<0.2		1.7	
					Middle	9.1	0.2	172	20.0	20.1	8.0	8.0	24.5	24.5	87.9	87.5	6.9		3.3		5		75				<0.2		2.0	
						9.1	0.2	175	20.1		8.0		24.5		87.1		6.8		3.7		6		76				<0.2		1.9	
					Bottom	17.2	0.2	169	19.0	19.0	8.0	8.0	27.2	27.2	87.1	88.1	6.9	7.0	6.9		4		77				<0.2		0.9	
						17.2	0.2	175	19.0		8.0		27.2		89.0		7.0		6.5		6		77				<0.2		0.8	
C3	Fine	Moderate	20:45	20.1	Surface	1.0	0.2	176	24.5	24.5	8.3	8.3	23.4	23.4	117.2	117.2	8.6	8.1	0.7	1.1	7	7	74	75	817819	822109	<0.2	<0.2	2.1	1.8
						1.0	0.2	187	24.5		8.3		23.4		117.2		8.6		0.7		7		74				<0.2		2.1	
					Middle	10.1	0.2	199	23.7	23.7	8.1	8.1	26.2	26.2	102.9	102.8	7.5		0.9		7		74				<0.2		1.9	
						10.1	0.2	201	23.7		8.1		26.2		102.7		7.5		0.9		9		75				<0.2		1.6	
					Bottom	19.1	0.2	206	23.2	23.2	8.1	8.1	28.8	28.8	109.8	109.8	8.0	8.0	1.7		5		76				<0.2		1.8	
						19.1	0.2	207	23.2		8.1		28.8		109.8		8.0		1.7		7		77				<0.2		1.5	
IM1	Fine	Moderate	19:28	7.3	Surface	1.0	0.3	187	24.5	24.5	8.4	8.4	20.5	20.5	112.6	112.3	8.8	8.3	1.4	2.4	4	6	71	75	806443	818351	<0.2	<0.2	1.9	1.7
						1.0	0.3	198	24.5		8.4		20.5		111.9		8.8		1.4		4		73				<0.2		1.8	
					Middle	3.7	0.3	145	19.5	19.6	8.1	8.1	27.3	27.3	98.2	98.2	7.7		2.6		6		75				<0.2		1.4	
						3.7	0.3	157	19.6		8.1		27.2		98.2		7.7		2.6		7		76				<0.2		1.3	
					Bottom	6.3	0.2	191	19.0	19.0	8.0	8.1	29.0	29.0	101.5	101.7	7.9	8.0	3.3		6		77				<0.2		2.0	
						6.3	0.3	192	19.0		8.1		29.0		101.9		8.0		3.3		6		78				<0.2		1.7	
IM2	Fine	Moderate	19:23	8.8	Surface	1.0	0.3	217	24.5	24.5	8.4	8.4	20.4	20.4	116.0	115.7	9.1	7.9	1.0	3.3	8	8	74	76	806181	818852	<0.2	<0.2	2.5	2.1
						1.0	0.3	226	24.5		8.4		20.4		115.3		9.1		1.1		6		74				<0.2		2.3	
					Middle	4.4	0.3	125	18.9	18.9	8.0	8.0	28.6	28.6	85.5	85.6	6.7		3.9		8		75				<0.2		2.1	
						4.4	0.3	136	18.9		8.0		28.6		85.6		6.7		4.0		10		75				<0.2		2.0	
					Bottom	7.8	0.3	168	18.8	18.8	8.0	8.0	29.2	29.2	88.5	88.6	6.9	6.9	4.8		10		77				<0.2		1.7	
						7.8	0.3	168	18.8		8.0		29.2		88.7		6.9		4.9		8		78				<0.2		2.0	
IM3	Fine	Moderate	19:15	8.1	Surface	1.0	0.4	224	24.4	24.4	8.4	8.4	20.3	20.3	104.9	104.4	8.3	7.8	1.4	2.4	5	7	74	76	806002	819411	<0.2	<0.2	2.0	1.5
						1.0	0.4	234	24.4		8.4		20.3		103.9		8.2		1.5		7		74				<0.2		1.8	
					Middle	4.1	0.3	206	20.0	20.1	8.1	8.1	25.1	25.1	93.5	93.5	7.3		2.6		8		76				<0.2		1.1	
						4.1	0.4	225	20.1		8.1		25.1		93.4		7.3		2.6		6		78				<0.2		1.1	
					Bottom	7.1	0.4	200	18.8	18.8	8.0	8.0	29.2	29.2	100.3	100.6	7.9	7.9	3.2		9		77				<0.2		1.5	
						7.1	0.4	212	18.8		8.0		29.2		100.8		7.9		3.1		8		77				<0.2		1.5	
IM4	Fine	Moderate	19:09	8.1	Surface	1.0	0.4	224	24.3	24.3	8.4	8.4	20.9	20.9	107.5	107.1	8.4	7.4	2.2	5.7	6	6	74	76	805035	819570	<0.2	<0.2	2.1	2.1
						1.0	0.4	235	24.3		8.4		20.9		106.7		8.4		2.3		4		74				<0.2		2.2	
					Middle	4.1	0.3	193	19.9	19.9	8.0	8.0	25.7	25.4	81.7	81.6	6.4		6.1		4		75				<0.2		2.0	
						4.1	0.3	203	19.9		8.0		25.0		81.5		6.4		6.2		4		75				<0.2		1.9	
					Bottom	7.1	0.3	204	18.7	18.7	8.0	8.0	29.3	29.3	79.7	79.7	6.3	6.3	8.7		7		78				<0.2		2.1	
						7.1	0.3	209	18.7		8.0		29.3		79.7		6.3		8.7		9		78				<0.2		2.0	
IM5	Fine	Moderate	19:00	7.5	Surface	1.0	0.4	196	24.5	24.5	8.5	8.5	20.4	20.4	119.3	118.8	9.4	8.5	1.8	5.2	8	7	74	75	804928	820564	<0.2	<0.2	2.2	1.5
						1.0	0.4	214	24.5		8.5		20.4		118.2		9.3		1.8		9		74				<0.2		2.0	
					Middle	3.8	0.4	168	20.2	20.2	8.1	8.1	24.3	24.4	97.4	97.4	7.7		5.5		7		75				<0.2		1.3	
						3.8	0.4	176	20.2		8.1		24.5		97.4		7.6		5.5		9		75				<0.2		1.4	
					Bottom	6.5	0.4	145	18.7	18.7	8.0	8.0	29.0	29.0	89.3	89.5	7.0	7.0	8.3		6		76				<0.2		1.1	
						6.5	0.4	149	18.7		8.0		29.0		89.6		7.0		8.3		5		76				<0.2		1.2	
IM6	Fine	Moderate	18:51	7.5	Surface	1.0	0.3	202	25.0	25.0	8.3	8.3	20.6	20.6	99.4	99.0	7.9	7.4	2.1	4.9	5	5	74	76	805836	821060	<0.2	<0.2	2.1	1.7
						1.0	0.3	221	24.9		8.3		20.6		98.6		7.8		2.2		7		74				<0.2		1.9	
					Middle	3.8	0.3	169	20.2	20.2	8.1	8.1	23.3	23.4	89.0	88.7	7.0		4.0		3		76				<0.2		2.0	
						3.8	0.3	183	20.2		8.1		23.5		88.4		7.0		4.2		4		76				<0.2		1.8	
					Bottom	6.5	0.3	161	18.7	18.7	8.0	8.0	28.8	28.8	92.0	92.2	7.2	7.3	8.8		6		77				<0.2		1.2	
						6.5	0.3	175	18.7		8.0		28.8		92.4		7.3		8.3		4		77				<0.2		1.2	
IM7	Fine	Moderate	18:37	8.0	Surface	1.0	0.3	175	24.3	24.3	8.3	8.3	20.0	20.0	97.8	97.3	7.7	7.1	1.7	3.2	4	4	73	76	806847	821349	<0.2	<0.2	1.9	2.0
						1.0	0.3	187	24.3		8.3		20.0		96.8		7.6		1.8		3		74				<0.2		1.9	
					Middle	4.0	0.3	138	19.8	19.8	8.0	8.0	24.1	24.1	82.5	82.4	6.5		3.0		3		76				<0.2		2.0	
						4.0	0.3	140	19.7		8.0		24.1		82.3		6.5		3.1		4		76				<0.2		1.9	
					Bottom	7.0	0.3	135	19.0	19.0	8.0	8.0	27.7	27.7	83.9	83.9	6.6	6.6	4.8		6		77				<0.2		2.1	
						7.0	0.3	142	19.0		8.0		27.7		83.9		6.6		4.7		3		77				<0.2		2.2	
IM8	Fine	Moderate	18:45	6.5	Surface	1.0	0.3	142	24.3	24.3	8.4	8.4	19.6	19.6	110.7	110.4	8.8	7.8	1.1	3.3	4	4	75	76	807823	821695	<0.2	<0.2	1.8	1.8
						1.0	0.3	152	24.3		8.4		19.6		110.1		8.7		1.1		5		75				<0.2		1.8	
					Middle	3.3	0.3	133	20.0	20.0	8.1	8.1	24.1	24.1	87.7	87.7	6.9		2.3		3		76				<0.2		1.8	
						3.3	0.3	145	20.0		8.1		24.1		87.6		6.9		2.3		3		76				<0.2		2.1	
					Bottom	5.5	0.3	119	19.5	19.5	8.1	8.1	25.4	25.4	83.6	83.7	6.6	6.6	6.5		5		76				<0.2		1.5	
						5.5	0.3	126	19.5		8.1		25.4		83.7		6.6		6.7		6		77				<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 20 April 17 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	19:00	7.3	Surface	1.0	0.5	159	24.8	24.8	8.4	8.4	21.1	21.1	132.7	132.7	9.8	8.6	0.8	2.1	8	8	73	75	808806	822094	<0.2	<0.2	2.0	2.1
						1.0	0.5	161	24.8		8.4		21.1		132.7		9.8		0.8		8		74				<0.2		2.2	
					Middle	3.7	0.6	141	23.8	23.8	8.1	8.1	25.2	25.2	101.0	101.0	7.4		1.1		6		74				<0.2		2.0	
						3.7	0.6	142	23.8		8.1		25.2		101.0		7.4		1.1		7		75				<0.2		1.9	
					Bottom	6.3	0.5	152	22.8	22.8	8.0	8.0	28.0	28.0	100.1	100.1	7.3	7.3	4.3		10		76				<0.2		2.4	
						6.3	0.6	166	22.8		8.0		28.0		100.1		7.3		4.3		11		76				<0.2		2.2	
IM10	Fine	Moderate	19:12	7.9	Surface	1.0	0.6	146	24.4	24.4	8.2	8.2	21.7	21.7	113.9	113.9	8.4	7.7	0.9	3.8	8	8	74	76	809836	822240	<0.2	<0.2	2.3	2.4
						1.0	0.6	148	24.4		8.2		21.7		113.9		8.4		0.9		10		74				<0.2		2.3	
					Middle	4.0	0.5	146	23.7	23.7	8.1	8.1	25.4	25.4	95.7	95.7	7.0		1.6		8		75				<0.2		2.3	
						4.0	0.5	153	23.7		8.1		25.4		95.7		7.0		1.6		6		76				<0.2		2.5	
					Bottom	6.9	0.5	187	22.8	22.8	8.0	8.0	28.0	28.0	84.4	84.4	6.2	6.2	8.8		7		77				<0.2		2.5	
						6.9	0.5	187	22.8		8.0		28.0		84.4		6.2		8.8		6		77				<0.2		2.5	
IM11	Fine	Moderate	19:20	8.1	Surface	1.0	0.4	125	24.6	24.6	8.3	8.3	21.3	21.3	127.6	127.6	9.4	8.6	1.0	2.1	8	7	74	76	810540	821501	<0.2	<0.2	1.6	1.7
						1.0	0.4	126	24.6		8.3		21.3		127.6		9.4		1.0		8		74				<0.2		1.7	
					Middle	4.1	0.4	132	24.1	24.1	8.2	8.2	23.9	23.9	105.7	105.7	7.8		1.2		7		76				<0.2		1.5	
						4.1	0.4	132	24.1		8.2		23.9		105.7		7.8		1.2		6		75				<0.2		1.8	
					Bottom	7.1	0.3	181	22.7	22.7	8.0	8.0	28.1	28.1	86.0	86.0	6.3	6.3	4.2		8		77				<0.2		1.7	
						7.1	0.4	189	22.7		8.0		28.1		86.0		6.3		4.2		6		77				<0.2		1.6	
IM12	Fine	Moderate	19:48	7.8	Surface	1.0	0.4	136	24.8	24.8	8.3	8.3	21.1	21.1	116.0	116.0	8.5	7.4	1.5	3.0	10	8	75	76	811528	821162	<0.2	<0.2	1.7	1.6
						1.0	0.5	138	24.8		8.3		21.1		116.0		8.5		1.5		8		75				<0.2		1.4	
					Middle	3.9	0.4	192	23.2	23.2	8.1	8.1	26.6	26.6	84.0	84.0	6.2		2.1		8		75				<0.2		1.3	
						3.9	0.4	197	23.2		8.1		26.6		84.0		6.2		2.1		6		76				<0.2		1.2	
					Bottom	6.8	0.4	143	22.7	22.7	8.0	8.0	28.1	28.1	77.6	77.6	5.7	5.7	5.4		8		77				<0.2		1.9	
						6.8	0.5	149	22.7		8.0		28.1		77.6		5.7		5.4		10		77				<0.2		2.0	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Fine	Moderate	20:30	4.8	Surface	1.0	0.4	141	24.5	24.5	8.3	8.3	23.6	23.6	129.1	129.1	9.4	9.4	0.7	0.6	8	7	74	75	814185	821463	<0.2	<0.2	1.8	1.9
						1.0	0.4	144	24.5		8.3		23.6		129.1		9.4		0.7		9		74				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.8	0.3	229	24.4	24.4	8.3	8.3	23.9	23.9	124.4	124.4	9.1	9.1	0.5		5		76				<0.2		2.0	
						3.8	0.3	242	24.4		8.3		23.9		124.4		9.1		0.5		6		76				<0.2		2.0	
SR3	Fine	Moderate	18:30	7.4	Surface	1.0	0.3	136	24.2	24.2	8.4	8.4	20.0	20.0	109.9	109.5	8.7	8.1	1.3	3.1	6	5		-	807565	822147	-	-	-	-
						1.0	0.3	136	24.2		8.4		20.0		109.1		8.6		1.3		6						-		-	
					Middle	3.7	0.3	119	20.5	20.5	8.1	8.1	22.1	22.1	95.3	95.2	7.5		2.1		7						-		-	
						3.7	0.4	122	20.5		8.1		22.1		95.0		7.5		2.2		5						-		-	
					Bottom	6.4	0.3	144	19.1	19.1	8.0	8.0	27.1	27.1	98.7	99.0	7.8	7.8	5.9		4						-		-	
						6.4	0.3	149	19.0		8.0		27.1		99.3		7.8		6.0		4						-		-	
SR4A	Fine	Moderate	20:00	8.2	Surface	1.0	0.3	136	23.8	23.8	8.3	8.3	23.1	23.1	104.2	104.0	8.1	7.8	2.3	4.0	7	9		-	807815	817189	-	-	-	-
						1.0	0.3	144	23.8		8.3		23.1		103.8		8.1		2.3		5						-		-	
					Middle	4.1	0.4	97	19.9	19.9	8.1	8.1	26.0	26.0	94.9	94.9	7.4		4.5		11						-		-	
						4.1	0.4	106	19.9		8.1		25.9		94.9		7.4		4.5		10						-		-	
					Bottom	7.2	0.3	99	19.3	19.3	8.0	8.1	28.0	28.0	98.6	98.8	7.7	7.7	5.4		9						-		-	
						7.2	0.4	100	19.3		8.1		27.9		99.0		7.7		5.2		10						-		-	
SR5A	Fine	Moderate	20:15	4.5	Surface	1.0	0.1	145	24.4	24.4	8.2	8.2	22.8	22.8	103.9	103.8	8.1	8.1	6.8	5.1	8	9		-	810684	816593	-	-	-	-
						1.0	0.1	151	24.4		8.2		22.8		103.7		8.0		6.8		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.2	145	20.5	20.5	8.1	8.1	24.8	24.8	98.1	98.1	7.6	7.6	3.4		11						-		-	
						3.5	0.2	151	20.5		8.1		24.8		98.1		7.6		3.4		9						-		-	
SR6	Fine	Moderate	20:37	4.1	Surface	1.0	0.1	183	24.3	24.3	8.2	8.2	23.0	23.0	105.1	104.9	8.1	8.1	3.3	4.9	6	8		-	814655	817899	-	-	-	-
						1.0	0.1	186	24.3		8.2		23.0		104.6		8.1		3.4		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.1	0.1	164	21.0	21.0	8.1	8.1	23.6	23.6	100.1	100.1	7.8	7.8	6.5		8						-		-	
						3.1	0.1	167	21.0		8.1		23.6		100.0		7.8		6.5		8						-		-	
SR7	Fine	Moderate	20:57	28.6	Surface	1.0	0.4	158	24.0	24.0	8.3	8.3	22.1	22.1	114.1	113.8	8.9	8.0	1.4	1.6	6	4		-	823759	823636	-	-	-	-
						1.0	0.4	170	24.0		8.3		22.1		113.5		8.9		1.4		5						-		-	
					Middle	14.3	0.3	148	19.7	19.7	8.0	8.0	27.6	27.6	91.9	91.9	7.1		1.6		4						-		-	
						14.3	0.3	159	19.7		8.0		27.5		91.9		7.2		1.6		3						-		-	
					Bottom	27.6	0.3	234	19.2	19.2	8.0	8.0	29.9	29.9	95.6	95.7	7.4	7.4	1.7		3						-		-	
						27.6	0.3	254	19.2		8.0		29.9		95.8		7.4		1.7		2						-		-	
SR8	Fine	Moderate	20:15	5.1	Surface	1.0	0.4	205	24.5	24.5	8.3	8.3	23.4	23.4	134.4	134.4	9.8	9.8	0.8	0.7	4	4		-	811609	820417	-	-	-	-
						1.0	0.5	216	24.5		8.3		23.4		134.4		9.8		0.8		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.4	167	24.5	24.5	8.3	8.3	23.7	23.7	133.6	133.6	9.7	9.7	0.6		4						-		-	
						4.1	0.4	173	24.5		8.3		23.7		133.6		9.7		0.6		4						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 April 17 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	15:28	8.0	Surface	1.0	0.4	99	23.6	23.6	8.4	8.4	22.2	22.2	107.7	107.5	8.0	7.0	1.5	3.3	5	6	66	67	804254	815620	<0.2	<0.2	1.5	1.6
						1.0	0.4	99	23.6		8.4		22.2		107.2		8.0		1.6		7		66				<0.2		1.6	
					Middle	4.0	0.4	92	22.5	22.5	8.1	8.1	31.5	31.5	83.4	83.5	6.0		3.5		5		68				<0.2		1.6	
						4.0	0.4	98	22.5		8.1		31.5		83.5		6.0		3.5		5		67				<0.2		1.7	
					Bottom	7.0	0.4	95	22.4	22.4	8.1	8.1	32.3	32.3	95.5	95.8	6.9	6.9	4.9		7		68				<0.2		1.7	
						7.0	0.4	102	22.4		8.1		32.3		96.0		6.9		4.8		5		69				<0.2		1.7	
C2	Cloudy	Moderate	13:58	8.8	Surface	1.0	0.4	210	24.0	24.0	8.2	8.2	21.5	21.6	98.0	97.9	7.3	7.1	3.9	4.6	7	7	67	69	806927	825682	<0.2	<0.2	1.7	1.8
						1.0	0.4	225	24.0		8.2		21.6		97.7		7.3		3.9		9		67				<0.2		1.6	
					Middle	4.4	0.3	204	23.9	23.9	8.2	8.2	25.0	25.0	93.9	93.9	6.9		4.7		8		70				<0.2		2.1	
						4.4	0.3	218	23.8		8.2		25.0		93.8		6.9		4.8		9		70				<0.2		1.9	
					Bottom	7.8	0.3	133	23.6	23.7	8.1	8.1	28.7	28.7	97.8	98.0	7.0	7.1	5.3		5		71				<0.2		1.8	
						7.8	0.3	136	23.7		8.1		28.6		98.2		7.1		5.1		5		71				<0.2		1.8	
C3	Cloudy	Moderate	16:08	12.8	Surface	1.0	0.3	240	23.5	23.5	8.2	8.2	25.7	25.7	103.2	103.2	7.6	7.0	1.0	1.6	3	5	67	68	817801	822109	<0.2	<0.2	1.2	1.2
						1.0	0.3	258	23.5		8.2		25.7		103.2		7.6		1.0		4		68				<0.2		1.1	
					Middle	6.4	0.6	257	23.0	23.0	8.1	8.1	30.3	30.3	87.2	87.2	6.3		1.6		3		68				<0.2		1.1	
						6.4	0.6	265	23.0		8.1		30.3		87.2		6.3		1.6		4		69				<0.2		1.2	
					Bottom	11.8	0.3	267	22.8	22.8	8.1	8.1	31.1	31.1	87.5	87.5	6.3	6.3	2.1		8		69				<0.2		1.4	
						11.8	0.3	287	22.8		8.1		31.1		87.5		6.3		2.1		8		69				<0.2		1.3	
IM1	Cloudy	Moderate	15:10	7.5	Surface	1.0	0.3	163	23.3	23.3	8.2	8.2	26.5	26.5	88.9	88.8	6.5	6.2	4.3	6.2	13	12	66	67	806448	818351	<0.2	<0.2	1.1	1.1
						1.0	0.3	163	23.3		8.2		26.5		88.6		6.5		4.3		11		66				<0.2		1.1	
					Middle	3.8	0.3	174	22.8	22.8	8.1	8.1	30.0	30.0	81.1	81.1	5.9		6.0		12		67				<0.2		1.1	
						3.8	0.3	177	22.8		8.1		30.0		81.1		5.9		6.1		10		67				<0.2		1.1	
					Bottom	6.5	0.3	116	22.5	22.5	8.1	8.1	31.3	31.3	82.3	82.4	5.9	6.0	8.3		14		68				<0.2		1.1	
						6.5	0.3	124	22.5		8.1		31.3		82.5		6.0		8.3		12		69				<0.2		1.1	
IM2	Cloudy	Moderate	15:04	8.2	Surface	1.0	0.3	214	23.8	23.8	8.3	8.3	24.3	23.9	93.5	93.2	6.9	6.3	3.0	5.6	8	7	66	67	806211	818852	<0.2	<0.2	2.2	2.3
						1.0	0.3	222	23.8		8.3		23.4		92.9		6.9		2.8		7		66				<0.2		2.4	
					Middle	4.1	0.4	119	22.6	22.6	8.1	8.1	30.7	30.7	79.2	79.2	5.7		5.8		7		68				<0.2		2.2	
						4.1	0.4	126	22.6		8.1		30.7		79.2		5.7		6.0		8		67				<0.2		2.2	
					Bottom	7.2	0.3	117	22.5	22.5	8.1	8.1	31.4	31.4	85.9	86.0	6.2	6.2	8.0		5		68				<0.2		2.5	
						7.2	0.3	119	22.5		8.1		31.4		86.1		6.2		8.1		5		69				<0.2		2.4	
IM3	Cloudy	Moderate	14:56	8.3	Surface	1.0	0.3	221	23.9	23.9	8.3	8.3	21.6	21.7	97.3	97.1	7.3	6.5	3.5	6.2	9	8	67	68	806002	819411	<0.2	<0.2	2.2	2.2
						1.0	0.3	238	23.9		8.3		21.7		96.8		7.2		3.6		7		67				<0.2		2.5	
					Middle	4.2	0.3	118	22.7	22.7	8.1	8.1	30.5	30.5	79.4	79.4	5.8		6.1		9		67				<0.2		1.9	
						4.2	0.3	125	22.7		8.1		30.5		79.4		5.8		6.3		8		69				<0.2		1.8	
					Bottom	7.3	0.3	135	22.5	22.5	8.1	8.1	31.3	31.3	81.8	82.0	5.9	5.9	8.9		9		70				<0.2		2.3	
						7.3	0.3	140	22.5		8.1		31.3		82.2		5.9		8.7		6		70				<0.2		2.2	
IM4	Cloudy	Moderate	14:47	7.9	Surface	1.0	0.3	207	23.5	23.5	8.3	8.3	22.4	22.5	89.1	88.5	6.7	6.3	3.4	4.1	9	9	66	68	805048	819570	<0.2	<0.2	2.1	2.1
						1.0	0.4	225	23.5		8.2		22.5		87.8		6.6		3.4		8		67				<0.2		2.2	
					Middle	4.0	0.3	157	22.5	22.5	8.1	8.1	31.2	31.2	83.2	83.2	6.0		5.6		10		67				<0.2		2.0	
						4.0	0.3	161	22.5		8.1		31.2		83.2		6.0		5.8		12		68				<0.2		1.9	
					Bottom	6.9	0.3	163	22.5	22.5	8.1	8.1	31.8	31.8	92.2	92.4	6.7	6.7	3.2		9		69				<0.2		2.0	
						6.9	0.4	174	22.5		8.1		31.8		92.5		6.7		3.2		7		69				<0.2		2.3	
IM5	Cloudy	Moderate	14:39	6.7	Surface	1.0	0.3	222	23.9	23.9	8.3	8.3	21.6	21.6	96.6	96.3	7.2	6.7	5.3	7.7	7	7	67	68	804917	820564	<0.2	<0.2	2.3	2.0
						1.0	0.3	224	23.9		8.3		21.6		96.0		7.2		5.4		7		68				<0.2		2.0	
					Middle	3.4	0.3	216	22.9	22.9	8.1	8.1	26.8	26.8	82.2	82.2	6.1		8.1		8		68				<0.2		1.9	
						3.4	0.3	230	22.8		8.1		26.8		82.1		6.1		8.1		10		68				<0.2		2.0	
					Bottom	5.7	0.3	161	22.5	22.5	8.1	8.1	31.3	31.3	82.3	82.4	5.9	6.0	9.6		6		69				<0.2		1.9	
						5.7	0.3	162	22.5		8.1		31.3		82.4		6.0		9.6		6		69				<0.2		2.0	
IM6	Cloudy	Moderate	14:30	6.5	Surface	1.0	0.4	264	23.9	23.9	8.2	8.2	22.6	22.6	94.9	94.7	7.0	6.7	4.2	7.2	11	9	65	66	805810	821060	<0.2	<0.2	2.0	1.9
						1.0	0.4	282	23.9		8.2		22.6		94.5		7.0		4.3		9		65				<0.2		1.9	
					Middle	3.3	0.4	213	23.6	23.6	8.2	8.2	25.4	25.4	86.9	86.7	6.4		8.5		8		66				<0.2		1.6	
						3.3	0.4	219	23.6		8.2		25.4		86.4		6.3		8.5		8		66				<0.2		1.9	
					Bottom	5.5	0.3	178	22.7	22.7	8.1	8.1	30.4	30.4	82.9	83.0	6.0	6.0	8.7		7		67				<0.2		1.9	
						5.5	0.3	189	22.7		8.1		30.4		83.0		6.0		8.8		8		68				<0.2		1.9	
IM7	Cloudy	Moderate	14:17	8.0	Surface	1.0	0.4	233	24.0	24.0	8.3	8.3	20.6	20.6	100.5	100.3	7.5	7.0	3.3	6.0	7	8	66	68	806833	821349	<0.2	<0.2	2.2	2.0
						1.0	0.4	249	24.0		8.3		20.6		100.0		7.5		3.3		7		67				<0.2		2.2	
					Middle	4.0	0.3	242	23.8	23.8	8.2	8.2	25.0	25.0	87.1	87.0	6.4		5.4		8		67				<0.2		1.8	
						4.0	0.4	254	23.8		8.2		25.0		86.9		6.4		5.6		8		68				<0.2		1.8	
					Bottom	7.0	0.4	87	23.0	23.0	8.1	8.1	29.7	29.7	85.2	85.4	6.2	6.2	9.1		9		68				<0.2		2.1	
						7.0	0.4	92	23.0		8.1		29.7		85.5		6.2		9.2		7		69				<0.2		2.1	
IM8	Cloudy	Moderate	14:18	7.7	Surface	1.0	0.5	192	24.1	24.1	8.2	8.2	21.2	21.2	97.6	97.5	7.3	7.1	3.6	4.4	7	7	70	71	807845	821695	<0.2	<0.2	2.7	2.7
						1.0	0.5	199	24.1		8.2		21.2		97.4		7.3		3.6		9		70				<0.2		2.5	
					Middle	3.9	0.3	211	24.0	24.0	8.2	8.2	23.8	23.8	94.6	94.5	7.0		3.9		8		71				<0.2		2.5	
						3.9	0.3	225	23.9		8.2		23.8		94.3		6.9		3.9		7		71				<0.2		2.7	
					Bottom	6.7	0.3	162	23.3	23.4	8.2	8.2	27.7	27.8	96.4	96.5	7.0	7.0	5.6		6		72				<0.2		3.0	
						6.7	0.3	167	23.4		8.2		27.8		96.6		7.0		5.7		6		72				<0.2		2.8	

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 22 April 17 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	14:25	7.2	Surface	1.0	0.3	188	24.0	24.0	8.3	8.3	21.0	21.0	107.2	107.1	8.0	7.6	2.8	4.0	6	7	65	67	808791	822094	<0.2	<0.2	3.0	2.7
						1.0	0.3	201	24.0		8.3		21.0		107.0		8.0		2.9		6		65				<0.2		2.8	
					Middle	3.6	0.2	219	23.9	23.9	8.2	8.2	23.5	23.5	97.4	97.4	7.2		5.0		5		68				<0.2		3.1	
						3.6	0.2	235	23.9		8.2		23.5		97.4		7.2		5.0		6		68				<0.2		3.1	
					Bottom	6.2	0.3	202	24.0	24.0	8.2	8.2	23.5	23.5	102.7	102.7	7.6	7.6	4.2		9		69				<0.2		2.1	
						6.2	0.3	210	24.0		8.2		23.5		102.7		7.6		4.2		8		69				<0.2		2.1	
IM10	Cloudy	Moderate	14:36	7.8	Surface	1.0	0.4	199	24.0	24.0	8.3	8.3	21.0	21.0	102.4	102.2	7.7	7.5	3.9	4.3	6	7	68	69	809856	822240	<0.2	<0.2	2.7	2.5
						1.0	0.4	199	24.0		8.3		21.0		102.0		7.6		4.0		7		67				<0.2		2.8	
					Middle	3.9	0.3	201	24.0	24.0	8.2	8.2	23.4	23.4	98.6	98.9	7.3		5.6		7		68				<0.2		2.8	
						3.9	0.3	211	23.9		8.2		23.4		99.1		7.3		5.5		6		69				<0.2		2.7	
					Bottom	6.8	0.3	179	24.0	24.0	8.2	8.2	23.4	23.4	107.6	107.6	7.9	7.9	3.4		7		69				<0.2		2.0	
						6.8	0.3	183	24.0		8.2		23.4		107.6		7.9		3.4		8		70				<0.2		2.1	
IM11	Cloudy	Moderate	14:51	8.6	Surface	1.0	0.3	191	24.0	24.0	8.2	8.2	21.4	21.4	100.1	100.1	7.5	7.2	3.7	4.7	6	6	66	68	810534	821501	<0.2	<0.2	1.7	1.9
						1.0	0.4	203	24.0		8.2		21.4		100.1		7.5		3.7		4		66				<0.2		1.9	
					Middle	4.3	0.3	206	23.9	23.9	8.2	8.2	23.6	23.6	92.8	92.8	6.8		4.9		6		68				<0.2		2.1	
						4.3	0.3	221	23.9		8.2		23.6		92.8		6.8		4.9		7		69				<0.2		2.0	
					Bottom	7.6	0.3	199	23.8	23.8	8.2	8.2	25.4	25.4	92.4	92.4	6.7	6.7	5.6		7		70				<0.2		1.7	
						7.6	0.3	214	23.8		8.2		25.4		92.4		6.7		5.6		7		69				<0.2		1.7	
IM12	Cloudy	Moderate	15:01	8.9	Surface	1.0	0.3	197	24.0	24.0	8.2	8.2	21.1	21.1	100.8	100.8	7.5	7.2	6.5	5.4	8	8	66	67	811517	821162	<0.2	<0.2	1.9	1.8
						1.0	0.3	210	24.0		8.2		21.1		100.8		7.5		6.5		10		65				<0.2		1.7	
					Middle	4.5	0.3	218	23.9	23.9	8.2	8.2	23.6	23.6	94.1	94.1	6.9		5.1		6		67				<0.2		1.7	
						4.5	0.3	233	23.9		8.2		23.6		94.1		6.9		5.1		8		68				<0.2		1.7	
					Bottom	7.9	0.3	177	23.9	23.9	8.2	8.2	24.9	24.9	99.9	99.9	7.3	7.3	4.7		8		68				<0.2		2.0	
						7.9	0.3	180	23.9		8.2		24.9		99.9		7.3		4.7		9		69				<0.2		1.7	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	15:32	4.5	Surface	1.0	0.4	254	23.6	23.6	8.2	8.2	23.2	23.2	94.7	94.7	7.0	7.0	4.4	5.0	<2	2	65	66	814175	821463	<0.2	<0.2	1.5	1.6
						1.0	0.4	268	23.6		8.2		23.2		94.7		7.0		4.4		<2		65				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.3	225	23.2	23.2	8.1	8.1	29.2	29.2	94.5	94.5	6.8	6.8	5.6		3		67				<0.2		1.9	
						3.5	0.3	234	23.2		8.1		29.2		94.5		6.8		5.6		2		68				<0.2		1.6	
SR3	Cloudy	Moderate	14:09	13.1	Surface	1.0	0.4	206	24.0	24.0	8.2	8.2	21.6	21.6	95.9	95.7	7.1	7.0	4.2	4.5	5	5		-	807590	822147	-	-	-	-
						1.0	0.4	210	24.0		8.2		21.6		95.5		7.1		4.2		5						-		-	
					Middle	6.6	0.3	188	23.5	23.5	8.1	8.1	26.6	26.6	93.2	93.2	6.8		5.7		5						-		-	
						6.6	0.3	189	23.5		8.1		26.6		93.2		6.8		5.9		5						-		-	
					Bottom	12.1	0.3	129	23.4	23.5	8.1	8.1	28.6	28.6	98.9	99.2	7.1	7.2	3.6		4						-		-	
						12.1	0.3	134	23.5		8.1		28.5		99.4		7.2		3.6		4						-		-	
SR4A	Cloudy	Moderate	15:48	9.0	Surface	1.0	0.4	242	23.7	23.7	8.2	8.2	25.1	25.1	86.4	86.2	6.3	6.1	7.0	7.4	8	8		-	807827	817189	-	-	-	-
						1.0	0.4	254	23.7		8.2		25.1		86.0		6.3		6.8		7						-		-	
					Middle	4.5	0.3	212	22.9	22.9	8.1	8.1	29.3	29.3	80.5	80.6	5.8		7.5		9						-		-	
						4.5	0.4	223	22.9		8.1		29.3		80.6		5.9		7.5		8						-		-	
					Bottom	8.0	0.3	179	22.7	22.7	8.1	8.1	30.6	30.6	83.3	83.4	6.0	6.0	7.7		10						-		-	
						8.0	0.3	190	22.7		8.1		30.6		83.4		6.0		7.7		8						-		-	
SR5A	Cloudy	Moderate	16:05	5.2	Surface	1.0	0.2	207	24.0	24.0	8.2	8.2	24.5	24.5	100.1	100.1	7.3	7.3	4.7	5.0	5	6		-	810713	816593	-	-	-	-
						1.0	0.2	222	24.0		8.2		24.5		100.0		7.3		4.7		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.2	256	24.0	24.0	8.1	8.1	25.4	25.4	98.7	98.8	7.2	7.2	5.2		6						-		-	
						4.2	0.2	263	24.0		8.1		25.4		98.9		7.2		5.2		6						-		-	
SR6	Cloudy	Moderate	16:38	4.1	Surface	1.0	0.1	189	23.9	23.9	8.3	8.3	22.3	22.3	110.5	110.4	8.2	8.2	2.3	2.9	3	3		-	814653	817899	-	-	-	-
						1.0	0.1	190	23.9		8.3		22.3		110.2		8.2		2.3		4						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.1	0.1	231	23.7	23.7	8.2	8.2	27.3	27.3	114.1	114.4	8.3	8.3	3.6		2						-		-	
						3.1	0.1	238	23.7		8.2		27.3		114.6		8.3		3.5		4						-		-	
SR7	Cloudy	Moderate	16:42	28.4	Surface	1.0	0.1	203	23.2	23.2	8.2	8.2	29.0	29.0	96.2	96.2	7.0	6.7	1.1	2.1	3	3		-	823742	823636	-	-	-	-
						1.0	0.1	219	23.2		8.2		28.9		96.2		7.0		1.1		3						-		-	
					Middle	14.2	0.2	111	22.8	22.8	8.1	8.1	31.5	31.5	88.8	88.8	6.4		2.7		2						-		-	
						14.2	0.2	115	22.8		8.1		31.5		88.8		6.4		2.8		3						-		-	
					Bottom	27.4	0.2	186	22.8	22.8	8.1	8.1	31.5	31.5	92.0	92.1	6.6	6.6	2.5		3						-		-	
						27.4	0.2	197	22.8		8.1		31.5		92.2		6.6		2.2		3						-		-	
SR8	Cloudy	Moderate	15:18	4.9	Surface	1.0	0.5	286	23.6	23.6	8.2	8.2	23.8	23.8	94.0	94.0	7.0	7.0	4.7	5.6	6	6		-	811589	820417	-	-	-	-
						1.0	0.5	296	23.6		8.2		23.8		94.0		7.0		4.7		5						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.9	0.3	198	23.2	23.2	8.1	8.1	29.3	29.3	94.0	94.0	6.8	6.8	6.5		6						-		-	
						3.9	0.3	213	23.2		8.1		29.3		94.0		6.8		6.5		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 22 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Rough	10:38	7.5	Surface	1.0	0.9	201	23.8	23.8	8.3	8.3	22.2	22.2	93.2	92.9	6.9	6.4	5.1	6.5	7	8	67	70	804253	815620	<0.2	<0.2	2.2	2.3
						1.0	0.9	211	23.8		8.3		22.2		92.6		6.9		5.0		9		69				<0.2		2.5	
					Middle	3.8	0.8	180	22.4	22.4	8.1	8.1	32.2	32.2	82.2	82.3	5.9		6.1		7		69				<0.2		2.2	
						3.8	0.8	190	22.4		8.1		32.1		82.3		5.9		6.0		8		70				<0.2		2.3	
					Bottom	6.5	0.9	193	22.4	22.4	8.1	8.1	32.3	32.3	90.1	90.3	6.5	6.5	8.8		9		71				<0.2		2.0	
						6.5	0.9	193	22.4		8.1		32.3		90.5		6.5		8.0		9		71				<0.2		2.3	
C2	Rainy	Moderate	11:45	12.5	Surface	1.0	0.5	204	23.9	23.9	8.3	8.3	19.8	19.8	100.9	100.8	7.6	7.1	3.9	6.8	10	8	66	70	806932	825682	<0.2	<0.2	2.6	2.3
						1.0	0.5	213	23.9		8.3		19.8		100.6		7.6		4.0		10		66				<0.2		2.3	
					Middle	6.3	0.4	195	23.7	23.7	8.1	8.1	25.3	25.3	89.7	89.7	6.6		6.8		7		70				<0.2		2.1	
						6.3	0.4	199	23.7		8.1		25.3		89.7		6.6		6.8		6		70				<0.2		2.2	
					Bottom	11.5	0.4	130	23.4	23.4	8.1	8.1	26.6	26.6	88.8	88.9	6.5	6.5	9.5		7		73				<0.2		2.2	
						11.5	0.4	131	23.4		8.1		26.6		88.9		6.5		9.8		9		73				<0.2		2.5	
C3	Rainy	Moderate	09:10	13.2	Surface	1.0	0.3	223	23.3	23.3	8.2	8.2	26.5	26.5	91.6	91.6	6.7	6.6	1.6	2.2	5	5	69	74	817808	822109	<0.2	<0.2	1.5	1.5
						1.0	0.3	241	23.3		8.2		26.5		91.6		6.7		1.6		6		69				<0.2		1.8	
					Middle	6.6	0.5	247	22.9	22.9	8.1	8.1	30.4	30.4	89.1	89.1	6.4		2.3		4		74				<0.2		1.4	
						6.6	0.5	263	22.9		8.1		30.4		89.1		6.4		2.3		5		75				<0.2		1.4	
					Bottom	12.2	0.3	258	22.7	22.7	8.1	8.1	31.4	31.4	93.5	93.5	6.7	6.7	2.7		4		77				<0.2		1.2	
						12.2	0.4	281	22.7		8.1		31.4		93.5		6.7		2.7		6		77				<0.2		1.4	
IM1	Rainy	Rough	11:05	7.5	Surface	1.0	0.5	192	23.7	23.7	8.2	8.2	23.5	23.3	90.2	90.1	6.7	6.3	5.6	5.6	10	9	66	67	806461	818351	<0.2	<0.2	1.5	1.6
						1.0	0.5	203	23.6		8.2		23.0		89.9		6.7		5.8		10		66				<0.2		1.4	
					Middle	3.8	0.4	173	22.7	22.7	8.1	8.1	30.5	30.5	79.9	79.9	5.8		5.5		7		67				<0.2		1.6	
						3.8	0.5	186	22.7		8.1		30.5		79.9		5.8		5.5		9		68				<0.2		1.7	
					Bottom	6.5	0.6	159	22.7	22.7	8.1	8.1	30.5	30.5	84.1	84.2	6.1	6.1	5.5		9		68				<0.2		1.6	
						6.5	0.6	160	22.7		8.1		30.5		84.3		6.1		5.5		11		69				<0.2		1.9	
IM2	Rainy	Rough	11:16	8.4	Surface	1.0	0.7	173	23.8	23.8	8.2	8.2	21.6	21.6	93.5	93.3	7.0	6.5	3.4	4.4	10	10	65	66	806196	818852	<0.2	<0.2	2.3	2.1
						1.0	0.7	188	23.7		8.2		21.5		93.1		7.0		3.4		12		65				<0.2		2.2	
					Middle	4.2	0.6	155	22.7	22.7	8.1	8.1	30.3	30.3	82.9	82.9	6.0		5.0		8		66				<0.2		2.3	
						4.2	0.6	161	22.7		8.1		30.3		82.9		6.0		5.1		8		66				<0.2		2.0	
					Bottom	7.4	0.7	152	22.7	22.7	8.1	8.1	30.7	30.7	85.1	85.2	6.2	6.2	4.7		9		67				<0.2		1.8	
						7.4	0.7	162	22.7		8.1		30.7		85.2		6.2		4.7		10		67				<0.2		1.9	
IM3	Rainy	Rough	11:40	7.4	Surface	1.0	0.5	187	23.7	23.7	8.3	8.3	21.7	21.7	94.7	94.5	7.1	6.5	2.3	4.2	6	7	68	69	806020	819411	<0.2	<0.2	1.8	1.9
						1.0	0.5	199	23.7		8.3		21.7		94.3		7.1		2.4		6		67				<0.2		1.8	
					Middle	3.7	0.5	146	22.7	22.7	8.1	8.1	30.3	30.3	79.5	79.5	5.8		4.9		10		68				<0.2		1.8	
						3.7	0.5	153	22.7		8.1		30.3		79.4		5.8		4.8		8		69				<0.2		2.0	
					Bottom	6.4	0.5	160	22.6	22.6	8.1	8.1	30.9	30.9	80.6	80.7	5.8	5.8	5.4		6		69				<0.2		1.9	
						6.4	0.5	170	22.6		8.1		30.9		80.7		5.8		5.4		8		70				<0.2		2.0	
IM4	Rainy	Rough	11:52	6.9	Surface	1.0	0.8	191	23.6	23.6	8.3	8.3	21.3	21.3	95.4	95.2	7.2	6.8	2.9	5.3	6	7	66	68	805055	819570	<0.2	<0.2	1.4	1.6
						1.0	0.8	202	23.6		8.3		21.3		95.0		7.1		3.0		8		67				<0.2		1.4	
					Middle	3.5	0.5	180	22.5	22.5	8.1	8.1	31.1	31.1	87.7	87.9	6.3		6.2		6		68				<0.2		1.8	
						3.5	0.6	189	22.5		8.1		31.1		88.0		6.4		6.4		7		69				<0.2		1.8	
					Bottom	5.9	0.6	149	22.6	22.6	8.1	8.1	31.4	31.4	93.3	93.6	6.7	6.8	6.8		8		69				<0.2		1.6	
						5.9	0.6	153	22.6		8.1		31.3		93.8		6.8		6.7		6		70				<0.2		1.6	
IM5	Rainy	Rough	12:02	7.7	Surface	1.0	0.5	205	23.8	23.8	8.3	8.3	20.9	20.9	96.5	96.3	7.2	6.7	1.8	4.5	7	7	66	68	804924	820564	<0.2	<0.2	2.2	2.2
						1.0	0.6	219	23.8		8.3		20.9		96.0		7.2		1.9		6		67				<0.2		2.5	
					Middle	3.9	0.5	182	23.0	23.0	8.1	8.1	28.4	28.4	83.7	83.7	6.1		2.2		9		68				<0.2		2.3	
						3.9	0.5	182	23.0		8.1		28.4		83.6		6.1		2.0		7		69				<0.2		2.2	
					Bottom	6.7	0.5	183	22.5	22.5	8.1	8.1	31.3	31.3	83.6	83.7	6.0	6.1	9.7		6		70				<0.2		1.8	
						6.7	0.6	193	22.5		8.1		31.3		83.8		6.1		9.6		6		69				<0.2		2.1	
IM6	Rainy	Rough	12:10	7.1	Surface	1.0	0.4	196	23.7	23.7	8.2	8.2	21.7	21.7	88.4	88.2	6.6	6.3	6.9	9.1	12	9	66	68	805829	821060	<0.2	<0.2	2.0	2.0
						1.0	0.4	197	23.7		8.2		21.6		87.9		6.6		7.1		10		66				<0.2		2.0	
					Middle	3.6	0.4	162	23.3	23.3	8.1	8.1	27.4	27.4	80.5	80.5	5.9		8.4		9		69				<0.2		2.1	
						3.6	0.4	167	23.3		8.1		27.4		80.5		5.9		8.5		7		69				<0.2		2.1	
					Bottom	6.1	0.3	142	22.7	22.7	8.1	8.1	30.3	30.3	78.4	78.5	5.7	5.7	11.7		7		70				<0.2		2.0	
						6.1	0.4	155	22.7		8.1		30.3		78.5		5.7		11.7		7		70				<0.2		1.9	
IM7	Rainy	Moderate	12:25	8.0	Surface	1.0	0.4	204	24.0	24.0	8.2	8.2	20.6	20.7	97.7	97.6	7.3	6.9	6.1	6.9	6	6	67	68	806817	821349	<0.2	<0.2	1.8	1.9
						1.0	0.5	214	24.0		8.2		20.7		97.4		7.3		6.1		6		68				<0.2		2.0	
					Middle	4.0	0.4	192	23.6	23.6	8.1	8.1	25.1	25.1	87.8	87.8	6.5		7.0		6		68				<0.2		1.8	
						4.0	0.4	202	23.5		8.1		25.1		87.7		6.5		7.1		6		68				<0.2		1.8	
					Bottom	7.0	0.4	125	23.0	23.1	8.1	8.1	29.3	29.3	91.3	91.5	6.6	6.6	7.5		7		69				<0.2		2.2	
						7.0	0.4	130	23.1		8.1		29.2		91.7		6.6		7.4		6		69				<0.2		1.9	
IM8	Rainy	Moderate	10:55	8.2	Surface	1.0	0.5	190	24.0	24.0	8.2	8.2	20.7	20.7	99.8	99.7	7.5	7.1	2.9	3.9	8	8	70	71	807828	821695	<0.2	<0.2	2.8	2.9
						1.0	0.5	205	24.0		8.2		20.7		99.5		7.4		3.0		7		70				<0.2		3.0	
					Middle	4.1	0.3	182	23.7	23.7	8.2	8.2	25.0	25.1	93.0	93.0	6.8		4.0		7		71				<0.2		2.8	
						4.1	0.3	197	23.7		8.2		25.1		93.0		6.8		4.0		8		71				<0.2		3.1	
					Bottom	7.2	0.3	145	23.2	23.2	8.1	8.1	28.3	28.3	95.6	95.8	6.9	7.0	4.6		8		73				<0.2		2.8	
						7.2	0.3	158	23.2		8.1		28.3		95.9		7.0		4.6		10		73				<0.2		2.8	

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 22 April 17 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (^oC)		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	Rainy	Moderate	10:43	6.9	Surface	1.0	0.3	185	24.0	24.0	8.3	8.3	21.0	21.0	105.7	105.7	7.9	7.6	2.7	3.6	8	8	67	70	808793	822094	<0.2	<0.2	2.7	2.7
						1.0	0.3	189	24.0		8.3		21.0		105.7		7.9		2.7		8		68				<0.2		2.7	
					Middle	3.5	0.3	205	24.0	24.0	8.2	8.2	23.4	23.4	97.8	97.8	7.2		4.4		7		70				<0.2		2.7	
						3.5	0.3	205	24.0		8.2		23.4		97.8		7.2		4.4		5		70				<0.2		2.9	
					Bottom	5.9	0.3	187	24.0	24.0	8.2	8.2	23.4	23.4	103.6	103.6	7.6	7.6	3.7		10		73				<0.2		2.6	
						5.9	0.3	193	24.0		8.2		23.4		103.6		7.6		3.7		8		73				<0.2		2.6	
IM10	Rainy	Moderate	10:33	7.9	Surface	1.0	0.4	195	24.0	24.0	8.2	8.2	21.0	21.0	99.3	99.3	7.4	7.3	3.5	4.0	10	8	67	71	809828	822240	<0.2	<0.2	2.8	2.5
						1.0	0.4	211	24.0		8.2		21.0		99.3		7.4		3.5		8		68				<0.2		2.6	
					Middle	4.0	0.3	202	24.0	24.0	8.2	8.2	23.5	23.5	96.6	96.6	7.1		4.2		8		71				<0.2		2.7	
						4.0	0.3	216	24.0		8.2		23.5		96.6		7.1		4.2		8		72				<0.2		2.5	
					Bottom	6.9	0.3	208	24.0	24.0	8.2	8.2	25.1	25.1	101.4	101.4	7.4	7.4	4.4		7		73				<0.2		2.1	
						6.9	0.3	214	24.0		8.2		25.1		101.4		7.4		4.4		7		73				<0.2		2.4	
IM11	Rainy	Moderate	10:22	8.4	Surface	1.0	0.3	187	24.0	24.0	8.2	8.2	21.1	21.1	98.1	98.1	7.3	7.2	3.5	4.7	6	7	65	71	810540	821501	<0.2	<0.2	2.0	2.0
						1.0	0.3	204	24.0		8.2		21.1		98.1		7.3		3.5		6		66				<0.2		1.8	
					Middle	4.2	0.3	234	24.0	24.0	8.2	8.2	23.6	23.6	94.9	94.9	7.0		4.6		6		73				<0.2		2.0	
						4.2	0.3	236	24.0		8.2		23.6		94.9		7.0		4.6		6		74				<0.2		1.9	
					Bottom	7.4	0.2	182	23.7	23.7	8.2	8.2	24.3	24.3	95.3	95.4	7.0	7.0	5.8		9		75				<0.2		2.3	
						7.4	0.2	195	23.7		8.2		24.3		95.4		7.0		5.9		8		75				<0.2		2.0	
IM12	Rainy	Moderate	10:11	9.6	Surface	1.0	0.3	185	24.1	24.1	8.2	8.2	21.3	21.3	103.8	103.8	7.7	7.4	2.9	3.9	7	8	67	72	811501	821162	<0.2	<0.2	1.9	2.0
						1.0	0.3	196	24.1		8.2		21.3		103.8		7.7		2.9		6		67				<0.2		2.1	
					Middle	4.8	0.3	223	24.0	24.0	8.2	8.2	23.5	23.5	97.1	97.1	7.1		4.1		8		74				<0.2		2.3	
						4.8	0.3	228	24.0		8.2		23.5		97.1		7.1		4.1		9		74				<0.2		2.0	
					Bottom	8.6	0.2	178	23.8	23.8	8.2	8.2	24.8	24.8	98.1	98.1	7.2	7.2	4.8		8		75				<0.2		1.8	
						8.6	0.3	187	23.8		8.2		24.8		98.1		7.2		4.8		8		75				<0.2		1.7	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Rainy	Moderate	09:37	4.8	Surface	1.0	0.4	257	23.6	23.6	8.2	8.2	24.2	24.2	95.5	95.5	7.0	7.0	4.6	6.1	3	4	68	70	814151	821463	<0.2	<0.2	1.7	1.7
						1.0	0.4	268	23.6		8.2		24.2		95.5		7.0		4.6		2		68				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.8	0.3	253	23.2	23.2	8.1	8.1	29.0	29.0	96.9	96.9	7.0	7.0	7.5		5		71				<0.2		1.6	
						3.8	0.3	259	23.2		8.1		29.0		96.9		7.0		7.5		4		71				<0.2		1.8	
SR3	Rainy	Moderate	11:23	8.4	Surface	1.0	0.4	187	24.0	24.0	8.2	8.2	21.2	21.2	98.8	98.7	7.4	7.2	4.7	5.3	7	8		-	807564	822147	-	-	-	-
						1.0	0.5	196	24.0		8.2		21.1		98.6		7.4		4.6		7						-		-	
					Middle	4.2	0.4	198	23.8	23.8	8.1	8.1	25.1	25.1	93.5	93.6	6.9		5.5		7						-		-	
						4.2	0.4	199	23.8		8.1		25.1		93.6		6.9		5.5		7						-		-	
					Bottom	7.4	0.3	184	23.6	23.6	8.1	8.1	26.6	26.7	96.7	96.9	7.0	7.1	5.6		7						-		-	
						7.4	0.3	195	23.6		8.1		26.7		97.0		7.1		5.7		10						-		-	
SR4A	Rainy	Moderate	10:18	7.4	Surface	1.0	0.3	179	23.7	23.7	8.2	8.2	25.3	25.3	86.6	86.5	6.3	6.2	8.7	8.4	23	15		-	807798	817189	-	-	-	-
						1.0	0.3	189	23.7		8.2		25.3		86.4		6.3		8.8		23						-		-	
					Middle	3.7	0.4	122	23.4	23.4	8.1	8.1	27.2	27.2	82.7	82.7	6.0		8.4		13						-		-	
						3.7	0.4	134	23.4		8.1		27.2		82.6		6.0		8.4		11						-		-	
					Bottom	6.4	0.4	106	23.0	23.0	8.1	8.1	29.4	29.4	84.8	84.9	6.1	6.2	8.0		10						-		-	
						6.4	0.4	111	23.0		8.1		29.4		84.9		6.2		8.1		12						-		-	
SR5A	Rainy	Moderate	09:56	5.2	Surface	1.0	0.1	184	24.0	24.0	8.2	8.2	24.5	24.5	98.6	98.6	7.2	7.2	1.1	2.2	9	8		-	810680	816593	-	-	-	-
						1.0	0.1	184	24.0		8.2		24.5		98.6		7.2		1.1		8						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.1	165	24.2	24.2	8.1	8.1	24.8	24.8	100.4	100.5	7.3	7.3	3.3		8						-		-	
						4.2	0.1	166	24.2		8.1		24.8		100.5		7.3		3.3		6						-		-	
SR6	Rainy	Moderate	09:30	4.5	Surface	1.0	0.1	157	24.2	24.2	8.3	8.3	22.5	22.5	104.8	104.7	7.7	7.7	5.6	7.4	10	10		-	814681	817899	-	-	-	-
						1.0	0.1	165	24.2		8.3		22.5		104.5		7.7		5.6		10						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.1	146	24.3	24.3	8.1	8.1	24.0	24.0	98.2	98.3	7.2	7.2	9.2		11						-		-	
						3.5	0.1	146	24.3		8.1		24.0		98.4		7.2		9.2		10						-		-	
SR7	Rainy	Moderate	08:49	19.0	Surface	1.0	0.2	210	23.3	23.3	8.1	8.1	29.3	29.3	90.2	90.2	6.5	6.5	3.7	3.3	5	5		-	823742	823636	-	-	-	-
						1.0	0.3	227	23.2		8.0		29.3		90.2		6.5		3.8		4						-		-	
					Middle	9.5	0.3	206	23.0	23.0	8.0	8.0	30.8	30.8	88.4	88.4	6.4		3.1		5						-		-	
						9.5	0.3	209	23.0		8.0		30.8		88.4		6.4		3.2		6						-		-	
					Bottom	18.0	0.2	137	22.9	22.9	8.0	8.0	31.0	31.0	88.9	88.9	6.4	6.4	2.9		4						-		-	
						18.0	0.2	143	22.9		8.0		31.0		88.9		6.4		2.9		5						-		-	
SR8	Rainy	Moderate	09:58	5.2	Surface	1.0	0.4	272	23.7	23.7	8.2	8.2	24.3	24.3	97.1	97.1	7.2	7.2	4.6	5.1	6	8		-	811609	820417	-	-	-	-
						1.0	0.5	278	23.7		8.2		24.3		97.1		7.2		4.6		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	207	23.3	23.3	8.1	8.1	28.9	28.9	97.2	97.2	7.0	7.0	5.6		9						-		-	
						4.2	0.3	214	23.3		8.1		28.9		97.2		7.0		5.6		9						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 April 17 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	18:10	7.1	Surface	1.0	0.7	61	23.1	23.1	7.9	7.9	24.9	24.9	75.4	75.4	5.9	5.9	20.1	25.8	16	24	75	76	804260	815620	<0.2	<0.2	1.2	1.1
						1.0	0.7	65	23.1		7.9		24.9		75.4		5.9		20.1		15		75				<0.2		0.9	
					Middle	3.6	0.6	78	23.1	23.1	7.9	7.9	24.9	24.9	77.6	77.6	5.9		26.8		20		75				<0.2		1.1	
						3.6	0.6	78	23.1		7.9		24.9		77.6		5.9		26.7		20		76				<0.2		1.0	
					Bottom	6.1	0.5	108	23.1	23.1	7.9	7.9	24.9	24.9	79.5	79.5	5.9	5.9	30.5		37		76				<0.2		1.1	
						6.1	0.6	115	23.1		7.9		24.9		79.5		5.9		30.5		38		76				<0.2		1.0	
C2	Rainy	Rough	16:39	8.5	Surface	1.0	1.2	330	23.1	23.1	7.9	7.9	23.6	23.6	79.7	79.7	6.0	5.9	11.2	22.2	10	14	73	75	806949	825682	<0.2	<0.2	1.9	1.9
						1.0	1.3	333	23.1		7.9		23.6		79.6		6.0		11.4		11		74				<0.2		1.9	
					Middle	4.3	0.7	328	23.1	23.1	7.9	7.9	25.4	25.5	78.8	78.8	5.8		38.1		16		75				<0.2		2.1	
						4.3	0.7	359	23.1		7.9		25.5		78.8		5.8		39.1		16		75				<0.2		1.9	
					Bottom	7.5	0.7	340	23.1	23.1	7.9	7.9	25.7	25.7	78.9	78.9	5.8	5.8	16.7		17		77				<0.2		1.7	
						7.5	0.8	350	23.1		7.9		25.7		78.9		5.8		16.7		15		77				<0.2		2.0	
C3	Rainy	Rough	18:41	9.9	Surface	1.0	0.6	270	22.8	22.8	7.9	7.9	28.8	28.8	84.4	84.4	6.1	6.0	6.6	8.3	10	13	76	77	817819	822109	<0.2	<0.2	1.1	1.2
						1.0	0.6	275	22.8		7.9		28.8		84.4		6.1		6.7		10		77				<0.2		1.3	
					Middle	5.0	0.7	269	22.6	22.6	7.9	7.9	29.9	29.9	81.3	81.3	5.9		8.5		17		78				<0.2		1.4	
						5.0	0.7	277	22.6		7.9		29.9		81.3		5.9		8.7		15		78				<0.2		1.1	
					Bottom	8.9	0.7	279	22.5	22.5	7.9	7.9	30.0	30.0	84.2	84.2	6.2	6.2	9.4		14		75				<0.2		1.2	
						8.9	0.7	297	22.5		7.9		30.0		84.2		6.2		9.9		13		77				<0.2		1.3	
IM1	Rainy	Rough	17:43	7.9	Surface	1.0	0.6	19	23.1	23.1	7.9	7.9	24.9	24.9	78.8	78.8	6.0	6.0	18.4	25.0	15	17	73	75	806476	818351	<0.2	<0.2	1.5	1.3
						1.0	0.6	20	23.0		7.9		24.9		78.8		6.0		18.1		15		73				<0.2		1.2	
					Middle	4.0	0.6	40	23.0	23.0	7.9	7.9	24.9	24.9	79.9	79.9	5.9		26.3		16		75				<0.2		1.1	
						4.0	0.6	43	23.0		7.9		24.9		79.9		5.9		26.3		18		75				<0.2		1.3	
					Bottom	6.9	0.4	33	23.0	23.0	7.9	7.9	24.9	24.9	80.2	80.2	6.0	6.0	30.4		18		77				<0.2		1.3	
						6.9	0.5	34	23.0		7.9		24.9		80.2		6.0		30.4		17		77				<0.2		1.2	
IM2	Rainy	Rough	17:39	7.5	Surface	1.0	0.7	19	23.1	23.1	7.9	7.9	24.9	24.9	79.8	79.8	5.9	5.9	16.7	22.7	17	16	73	75	806187	818852	<0.2	<0.2	1.4	1.5
						1.0	0.7	20	23.1		7.9		24.9		79.8		5.9		16.7		15		73				<0.2		1.5	
					Middle	3.8	0.6	30	23.1	23.1	7.9	7.9	24.9	24.9	80.0	80.0	5.9		22.5		17		75				<0.2		1.6	
						3.8	0.6	31	23.1		7.9		24.9		80.0		5.9		22.5		19		76				<0.2		1.4	
					Bottom	6.5	0.5	18	23.0	23.0	7.9	7.9	24.9	24.9	80.0	80.0	5.9	5.9	28.8		14		77				<0.2		1.4	
						6.5	0.5	18	23.0		7.9		24.9		80.0		5.9		28.8		16		77				<0.2		1.6	
IM3	Rainy	Rough	17:30	7.0	Surface	1.0	0.8	21	23.1	23.1	7.9	7.9	24.9	24.9	80.0	80.0	6.0	6.0	16.7	23.1	14	17	74	75	806030	819411	<0.2	<0.2	1.8	1.8
						1.0	0.9	22	23.1		7.9		24.9		80.0		6.0		16.7		12		73				<0.2		1.8	
					Middle	3.5	0.7	22	23.1	23.1	7.9	7.9	24.9	24.9	80.0	80.0	5.9		22.5		18		75				<0.2		1.9	
						3.5	0.7	22	23.1		7.9		24.9		80.0		5.9		22.5		16		75				<0.2		1.9	
					Bottom	6.0	0.6	27	23.1	23.1	7.9	7.9	24.9	24.9	80.1	80.1	6.0	6.0	30.1		20		77				<0.2		1.6	
						6.0	0.6	27	23.1		7.9		24.9		80.1		6.0		30.1		22		77				<0.2		1.6	
IM4	Rainy	Rough	17:18	7.1	Surface	1.0	0.9	24	23.1	23.1	7.9	7.9	25.1	25.1	81.3	81.3	6.0	6.1	17.5	23.9	14	21	73	76	805032	819570	<0.2	<0.2	1.7	1.7
						1.0	0.9	25	23.1		7.9		25.1		81.3		6.0		17.5		16		74				<0.2		1.7	
					Middle	3.6	0.7	24	23.0	23.0	7.9	7.9	25.2	25.2	82.0	82.1	6.1		23.4		11		76				<0.2		1.9	
						3.6	0.7	25	23.0		7.9		25.2		82.1		6.1		23.5		12		76				<0.2		1.8	
					Bottom	6.1	0.6	26	23.0	23.0	7.9	7.9	25.3	25.3	86.5	86.6	6.4	6.4	30.6		36		77				<0.2		1.5	
						6.1	0.6	27	23.0		7.9		25.2		86.7		6.4		30.6		35		78				<0.2		1.8	
IM5	Rainy	Rough	17:06	6.0	Surface	1.0	0.9	43	23.1	23.1	7.9	7.9	24.9	24.9	79.8	79.8	5.9	5.9	18.2	23.4	12	15	74	76	804919	820564	<0.2	<0.2	1.7	1.9
						1.0	0.9	44	23.1		7.9		24.9		79.8		5.9		18.5		12		74				<0.2		1.8	
					Middle	3.0	0.7	41	23.1	23.1	7.9	7.9	24.9	24.9	79.8	79.8	5.9		24.7		12		75				<0.2		2.1	
						3.0	0.7	43	23.1		7.9		24.9		79.8		5.9		24.5		11		76				<0.2		2.1	
					Bottom	5.0	0.6	46	23.1	23.1	7.9	7.9	24.9	24.9	79.9	79.9	5.9	5.9	27.8		22		77				<0.2		1.9	
						5.0	0.6	47	23.1		7.9		24.9		79.9		5.9		26.4		22		77				<0.2		1.8	
IM6	Rainy	Rough	16:52	6.5	Surface	1.0	0.8	38	23.1	23.1	7.9	7.9	24.9	24.9	80.1	80.1	6.0	6.0	25.3	27.7	22	23	73	76	805838	821060	<0.2	<0.2	2.0	2.1
						1.0	0.8	41	23.1		7.9		24.9		80.1		6.0		25.4		24		74				<0.2		2.0	
					Middle	3.3	0.7	33	23.1	23.1	7.9	7.9	24.9	24.9	80.1	80.1	5.9		28.9		19		76				<0.2		2.1	
						3.3	0.8	34	23.1		7.9		24.9		80.1		5.9		29.0		20		76				<0.2		2.2	
					Bottom	5.5	0.5	32	23.1	23.1	7.9	7.9	24.9	24.9	80.4	80.4	6.0	6.0	28.9		27		77				<0.2		2.1	
						5.5	0.5	34	23.1		7.9		24.9		80.4		6.0		28.8		26		78				<0.2		2.1	
IM7	Rainy	Rough	16:39	7.1	Surface	1.0	0.7	41	23.1	23.1	7.9	7.9	24.9	24.9	80.9	80.9	6.0	6.2	24.7	28.9	17	21	74	75	806841	821349	<0.2	<0.2	2.0	2.0
						1.0	0.8	43	23.1		7.9		24.9		80.9		6.0		24.7		15		74				<0.2		2.0	
					Middle	3.6	0.6	40	23.1	23.1	7.9	7.9	24.9	24.9	84.2	84.3	6.3		28.8		18		75				<0.2		1.9	
						3.6	0.7	43	23.1		7.9		24.9		84.3		6.3		28.8		20		75				<0.2		2.0	
					Bottom	6.1	0.6	60	23.1	23.1	7.8	7.8	24.9	24.9	91.6	91.7	6.8	6.8	33.3		30		77				<0.2		1.9	
						6.1	0.6	65	23.1		7.8		24.9		91.8		6.8		33.3		27		77				<0.2		1.9	
IM8	Rainy	Rough	17:05	8.2	Surface	1.0	1.0	210	23.1	23.1	7.9	7.9	24.2	24.2	81.4	81.4	6.1	6.0	7.9	25.8	14	21	75	76	807840	821695	<0.2	<0.2	2.0	1.8
						1.0	1.0	218	23.1		7.9		24.2		81.4		6.1		8.0		12		75				<0.2		1.8	
					Middle	4.1	0.7	216	23.0	23.0	7.9	7.9	25.6	25.6	79.3	79.3	5.9		27.5		19		75				<0.2		2.0	
						4.1	0.7	219	23.0		7.9		25.5		79.3		5.9		27.4		17		74				<0.2		1.8	
					Bottom	7.2	0.6	227	23.0	23.0	7.9	7.9	25.7	25.7	81.8	81.8	6.0	6.1	41.8		32		77				<0.2		1.6	
						7.2	0.6	249	23.0		7.9		25.7		81.8		6.1		42.3		34		77				<0.2		1.6	

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>**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 April 17 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	Rainy	Rough	17:16	8.1	Surface	1.0	0.9	279	23.0	23.0	8.1	8.1	27.8	27.8	85.9	85.9	6.3	6.3	7.0	8.4	10	10	75	75	808820	822094	<0.2	<0.2	1.2	1.2
						1.0	0.9	283	23.0		8.1		27.8		85.9		6.3		7.3		9		75				<0.2		1.2	
					Middle	4.1	0.8	281	22.6	22.6	8.1	8.1	28.4	28.4	86.2	86.2	6.3		8.6		10		76				<0.2		1.1	
						4.1	0.8	298	22.6		8.1		28.4		86.2		6.3		8.6		10		76				<0.2		1.2	
					Bottom	7.1	0.9	288	22.7	22.7	8.1	8.1	29.2	29.2	86.2	86.2	6.3	6.3	9.6		11		73				<0.2		1.2	
						7.1	0.9	309	22.7		8.1		29.1		86.2		6.3		9.5		10		73				<0.2		1.0	
IM10	Rainy	Rough	17:28	8.5	Surface	1.0	0.9	268	22.7	22.7	8.1	8.1	27.7	27.7	81.4	81.4	6.1	6.0	7.0	8.5	12	11	74	75	809818	822240	<0.2	<0.2	1.1	1.2
						1.0	0.9	283	22.7		8.1		27.7		81.4		6.1		7.2		13		74				<0.2		1.4	
					Middle	4.3	0.8	266	22.6	22.6	8.1	8.1	28.5	28.5	79.3	79.3	5.9		8.5		10		75				<0.2		1.4	
						4.3	0.8	271	22.6		8.1		28.5		79.3		5.9		8.0		10		75				<0.2		1.2	
					Bottom	7.5	0.8	277	22.5	22.5	8.1	8.1	29.1	29.1	81.8	81.8	6.0	6.1	10.1		12		75				<0.2		1.1	
						7.5	0.8	282	22.5		8.1		29.1		81.8		6.1		10.1		10		75				<0.2		1.2	
IM11	Rainy	Rough	17:39	9.0	Surface	1.0	0.8	270	22.7	22.7	8.1	8.1	27.5	27.5	84.9	84.9	6.4	6.3	6.8	8.3	16	16	76	76	810544	821501	<0.2	<0.2	1.3	1.4
						1.0	0.8	294	22.7		8.1		27.5		84.9		6.4		6.7		18		77				<0.2		1.5	
					Middle	4.5	0.8	269	22.5	22.5	8.1	8.1	28.4	28.4	85.2	85.2	6.2		8.5		16		77				<0.2		1.4	
						4.5	0.9	294	22.5		8.1		28.4		85.2		6.2		8.8		14		77				<0.2		1.3	
					Bottom	8.0	0.8	273	22.5	22.5	8.1	8.1	29.3	29.3	85.2	85.2	6.2	6.2	9.4		16		75				<0.2		1.5	
						8.0	0.8	279	22.5		8.1		29.3		85.2		6.2		9.4		17		75				<0.2		1.4	
IM12	Rainy	Rough	17:48	8.7	Surface	1.0	0.8	281	23.1	23.1	8.1	8.1	27.3	27.3	80.4	80.4	6.0	6.0	6.8	9.0	10	9	75	75	811515	821162	<0.2	<0.2	1.5	1.4
						1.0	0.8	283	23.1		8.1		27.3		80.4		6.0		6.6		10		75				<0.2		1.3	
					Middle	4.4	0.8	289	22.9	22.9	8.1	8.1	28.3	28.3	79.1	79.1	5.9		8.3		9		76				<0.2		1.4	
						4.4	0.9	299	22.9		8.1		28.3		79.1		5.9		8.7		11		76				<0.2		1.2	
					Bottom	7.7	0.8	281	22.8	22.8	8.1	8.1	29.2	29.2	83.8	83.8	6.1	6.1	11.3		6		74				<0.2		1.4	
						7.7	0.8	288	22.8		8.1		29.2		83.8		6.1		12.0		8		74				<0.2		1.4	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Rainy	Rough	18:14	5.0	Surface	1.0	0.7	282	23.0	23.0	8.0	8.0	28.4	28.4	79.4	79.3	5.8	5.8	10.3	12.4	9	9	75	75	814177	821463	<0.2	<0.2	1.4	1.3
						1.0	0.8	287	23.0		8.0		28.4		79.2		5.8		10.1		10		75				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.8	286	22.6	22.6	8.0	8.0	29.4	29.4	83.8	83.8	6.2	6.2	14.8		9		75				<0.2		1.2	
						4.0	0.8	288	22.6		8.0		29.4		83.8		6.2		14.3		9		75				<0.2		1.1	
SR3	Rainy	Rough	16:55	13.2	Surface	1.0	1.1	322	23.1	23.1	7.9	7.9	23.7	23.7	78.7	78.7	5.9	5.9	11.1	22.1	7	9		-	807559	822147	-	-	-	-
						1.0	1.1	322	23.1		7.9		23.7		78.7		5.9		11.3		8						-		-	
					Middle	6.6	0.9	318	23.1	23.1	7.9	7.9	25.4	25.4	78.4	78.4	5.8		12.2		9						-		-	
						6.6	0.9	322	23.1		7.9		25.4		78.4		5.8		11.9		7						-		-	
					Bottom	12.2	0.8	333	23.1	23.1	7.9	7.9	25.8	25.8	78.8	78.8	5.8	5.8	43.1		13						-		-	
						12.2	0.8	346	23.1		7.9		25.8		78.8		5.8		43.2		12						-		-	
SR4A	Cloudy	Moderate	18:44	7.4	Surface	1.0	0.3	296	22.8	22.8	7.9	7.9	24.4	24.4	77.8	77.8	5.8	5.9	11.3	19.3	12	16		-	807822	817189	-	-	-	-
						1.0	0.3	300	22.8		7.9		24.4		77.7		5.8		11.1		12						-		-	
					Middle	3.7	0.3	298	22.8	22.8	7.9	7.9	24.8	24.8	79.6	79.6	5.9		22.8		14						-		-	
						3.7	0.3	319	22.8		7.9		24.8		79.6		5.9		22.7		16						-		-	
					Bottom	6.4	0.2	259	23.0	23.0	7.9	7.9	24.9	24.9	81.0	81.0	6.0	6.0	23.8		23						-		-	
						6.4	0.2	281	23.0		7.9		24.9		81.0		6.0		23.8		20						-		-	
SR5A	Cloudy	Moderate	19:00	5.9	Surface	1.0	0.3	266	22.8	22.8	7.9	7.9	24.8	24.8	79.5	79.7	5.8	5.8	13.5	17.0	13	13		-	810693	816593	-	-	-	-
						1.0	0.4	269	22.8		7.9		24.8		79.9		5.8		13.6		14						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.9	0.4	269	23.2	23.2	7.9	7.9	25.0	25.0	80.4	80.4	5.9	5.9	20.5		13						-		-	
						4.9	0.4	272	23.2		7.9		25.0		80.3		5.9		20.5		12						-		-	
SR6	Cloudy	Moderate	19:14	5.8	Surface	1.0	0.4	244	22.9	22.9	7.9	7.9	24.9	24.9	77.9	77.9	5.8	5.8	11.8	17.2	14	14		-	814659	817899	-	-	-	-
						1.0	0.4	246	22.9		7.9		24.9		77.8		5.8		11.6		13						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.8	0.5	250	23.1	23.1	7.9	7.9	25.0	25.0	80.5	80.5	6.0	6.0	22.7		13						-		-	
						4.8	0.5	272	23.1		7.9		25.0		80.4		6.0		22.7		14						-		-	
SR7	Rainy	Rough	19:06	16.8	Surface	1.0	0.4	120	22.7	22.7	7.9	7.9	30.1	30.1	85.3	85.3	6.1	6.1	6.8	8.2	9	9		-	823747	823636	-	-	-	-
						1.0	0.4	126	22.7		7.9		30.1		85.3		6.1		6.6		7						-		-	
					Middle	8.4	0.3	102	22.6	22.6	7.9	7.9	30.2	30.2	85.1	85.1	6.1		8.4		8						-		-	
						8.4	0.3	107	22.6		7.9		30.2		85.1		6.1		8.2		9						-		-	
					Bottom	15.8	0.2	169	22.5	22.5	7.9	7.9	30.5	30.5	86.0	86.0	6.3	6.3	9.4		10						-		-	
						15.8	0.2	184	22.5		7.9		30.5		86.0		6.3		10.0		10						-		-	
SR8	Rainy	Rough	17:57	5.1	Surface	1.0	0.7	300	23.1	23.1	8.0	8.0	28.5	28.5	82.9	82.9	6.2	6.2	11.6	12.9	7	7		-	811604	820417	-	-	-	-
						1.0	0.7	320	23.1		8.0		28.5		82.9		6.2		11.3		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.1	0.7	311	22.8	22.8	7.9	7.9	29.6	29.6	86.0	86.0	6.4	6.4	14.6		8						-		-	
						4.1	0.8	319	22.8		7.9		29.6		86.0		6.4		14.0		7						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 April 17 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 (^oC) Value	Water Temperature (^oC) 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	12:25	7.9	Surface	1.0	0.5	208	22.7	22.7	8.1	8.1	30.0	30.0	93.0	93.0	6.8	6.7	5.6	6.9	9	8	72	74	804245	815620	<0.2	<0.2	0.8	0.7
						1.0	0.5	213	22.7		8.1		30.0		93.0		6.8		5.7		7		72				<0.2		0.7	
					Middle	4.0	0.5	218	22.6	22.6	8.1	8.1	30.5	30.5	90.9	90.9	6.6		6.0		10		73				<0.2		0.6	
						4.0	0.5	228	22.6		8.1		30.5		90.9		6.6		6.1		8		74				<0.2		0.7	
					Bottom	6.9	0.5	232	22.6	22.6	8.1	8.1	30.8	30.8	91.3	91.3	6.6	6.6	8.9		8		75				<0.2		0.6	
						6.9	0.5	251	22.6		8.1		30.8		91.2		6.6		8.9		8		76				<0.2		0.7	
C2	Rainy	Rough	13:10	12.5	Surface	1.0	0.9	201	23.1	23.1	8.0	8.0	25.4	25.4	84.1	84.1	6.2	6.1	8.7	14.0	10	15	74	75	806952	825682	<0.2	<0.2	2.0	1.8
						1.0	0.9	203	23.1		8.0		25.4		84.1		6.2		8.7		12		73				<0.2		1.9	
					Middle	6.3	0.7	195	22.8	22.8	8.0	8.0	28.1	28.1	80.9	81.0	5.9		13.9		14		74				<0.2		2.0	
						6.3	0.7	199	22.8		8.0		28.1		81.0		5.9		13.9		12		75				<0.2		1.8	
					Bottom	11.5	1.1	224	22.8	22.8	8.0	8.0	28.6	28.6	81.5	81.5	6.0	6.0	19.3		21		76				<0.2		1.5	
						11.5	1.1	234	22.8		8.0		28.6		81.5		6.0		19.3		19		77				<0.2		1.5	
C3	Rainy	Rough	11:08	11.3	Surface	1.0	0.7	126	22.6	22.6	8.1	8.1	29.8	29.8	81.4	81.4	5.9	5.9	3.2	3.2	8	9	77	75	817812	822109	<0.2	<0.2	2.8	1.6
						1.0	0.8	130	22.6		8.1		29.8		81.3		5.9		3.2		10		74				<0.2		2.8	
					Middle	5.7	0.7	126	22.6	22.6	8.1	8.1	30.1	30.1	79.8	79.8	5.8		3.0		8		74				<0.2		1.0	
						5.7	0.8	129	22.6		8.1		30.1		79.7		5.8		3.0		7		75				<0.2		1.0	
					Bottom	10.3	0.8	123	22.6	22.6	8.1	8.1	30.6	30.6	79.4	79.4	5.8	5.8	3.3		10		75				<0.2		1.0	
						10.3	0.8	125	22.6		8.1		30.6		79.4		5.8		3.4		12		76				<0.2		1.2	
IM1	Cloudy	Moderate	12:47	7.5	Surface	1.0	0.5	203	22.6	22.6	8.1	8.1	30.2	30.2	88.4	88.4	6.4	6.4	6.6	7.9	9	11	72	73	806471	818351	<0.2	<0.2	0.9	0.8
						1.0	0.5	203	22.6		8.1		30.2		88.4		6.4		6.6		11		72				<0.2		1.0	
					Middle	3.8	0.4	168	22.6	22.6	8.1	8.1	30.7	30.7	88.7	88.7	6.4		7.4		13		73				<0.2		0.8	
						3.8	0.4	179	22.6		8.1		30.7		88.7		6.4		7.5		11		73				<0.2		0.8	
					Bottom	6.5	0.3	174	22.6	22.6	8.1	8.1	30.9	30.9	89.2	89.2	6.5	6.5	9.8		9		75				<0.2		0.8	
						6.5	0.4	189	22.6		8.1		30.9		89.2		6.5		9.7		10		75				<0.2		0.7	
IM2	Cloudy	Moderate	12:58	8.6	Surface	1.0	0.5	210	22.6	22.6	8.1	8.1	29.7	29.7	89.9	89.9	6.5	6.6	5.6	6.5	9	10	73	75	806180	818852	<0.2	<0.2	0.9	0.8
						1.0	0.5	226	22.6		8.1		29.7		89.9		6.5		5.6		11		74				<0.2		0.9	
					Middle	4.3	0.5	193	22.6	22.6	8.1	8.1	30.3	30.3	90.5	90.5	6.6		5.8		8		75				<0.2		0.8	
						4.3	0.5	208	22.6		8.1		30.3		90.5		6.6		5.8		9		75				<0.2		0.9	
					Bottom	7.6	0.4	187	22.6	22.6	8.1	8.1	30.7	30.7	90.8	90.9	6.6	6.6	7.9		11		77				<0.2		0.7	
						7.6	0.4	202	22.6		8.1		30.7		90.9		6.6		8.0		12		77				<0.2		0.8	
IM3	Rainy	Moderate	13:07	8.7	Surface	1.0	0.7	216	22.6	22.6	8.1	8.1	29.9	29.9	90.5	90.5	6.6	6.6	6.7	6.3	9	10	73	75	806038	819411	<0.2	<0.2	1.0	0.9
						1.0	0.8	220	22.6		8.1		29.9		90.5		6.6		6.8		9		73				<0.2		1.0	
					Middle	4.4	0.6	207	22.6	22.6	8.1	8.1	30.4	30.5	91.1	91.1	6.6		6.1		12		75				<0.2		0.8	
						4.4	0.6	211	22.6		8.1		30.5		91.1		6.6		6.1		10		75				<0.2		0.9	
					Bottom	7.7	0.6	210	22.6	22.6	8.1	8.1	30.6	30.6	94.0	94.1	6.8	6.8	6.1		10		77				<0.2		0.7	
						7.7	0.7	226	22.6		8.1		30.6		94.1		6.8		6.2		10		77				<0.2		0.8	
IM4	Rainy	Moderate	13:16	7.6	Surface	1.0	0.7	196	22.6	22.6	8.1	8.1	29.7	29.7	88.5	88.5	6.4	6.4	9.4	14.1	12	18	73	75	805019	819570	<0.2	<0.2	0.7	0.9
						1.0	0.8	211	22.6		8.1		29.7		88.5		6.4		9.5		14		73				<0.2		0.8	
					Middle	3.8	0.5	195	22.6	22.6	8.1	8.1	29.9	29.9	88.2	88.2	6.4		12.0		21		76				<0.2		0.9	
						3.8	0.6	201	22.6		8.1		29.9		88.2		6.4		12.0		19		76				<0.2		0.9	
					Bottom	6.6	0.6	197	22.6	22.6	8.1	8.1	30.0	30.0	90.1	90.2	6.6	6.6	20.9		21		77				<0.2		1.0	
						6.6	0.6	202	22.6		8.1		30.0		90.2		6.6		20.7		23		77				<0.2		1.1	
IM5	Rainy	Moderate	13:25	7.4	Surface	1.0	0.8	194	22.6	22.6	8.1	8.1	29.5	29.5	87.8	87.8	6.4	6.4	13.8	15.1	16	19	73	75	804926	820564	<0.2	<0.2	0.9	0.9
						1.0	0.9	201	22.6		8.1		29.5		87.8		6.4		13.9		18		73				<0.2		0.9	
					Middle	3.7	0.7	188	22.6	22.6	8.1	8.1	29.6	29.6	88.1	88.1	6.4		15.1		15		75				<0.2		1.1	
						3.7	0.7	200	22.6		8.1		29.6		88.1		6.4		15.1		17		76				<0.2		1.0	
					Bottom	6.4	0.6	196	22.6	22.6	8.0	8.0	30.2	30.2	89.8	89.9	6.5	6.5	16.3		22		77				<0.2		0.9	
						6.4	0.6	210	22.6		8.0		30.2		89.9		6.5		16.4		25		77				<0.2		0.8	
IM6	Rainy	Moderate	13:27	6.8	Surface	1.0	0.8	219	22.6	22.6	8.1	8.1	29.5	29.5	86.7	86.7	6.3	6.3	17.9	18.3	14	15	73	75	805809	821060	<0.2	<0.2	1.2	1.3
						1.0	0.9	230	22.6		8.1		29.5		86.7		6.3		17.8		12		73				<0.2		1.5	
					Middle	3.4	0.7	200	22.6	22.6	8.1	8.1	29.6	29.7	85.9	85.9	6.3		17.7		14		75				<0.2		1.4	
						3.4	0.7	204	22.6		8.1		29.7		85.9		6.3		17.7		13		76				<0.2		1.3	
					Bottom	5.8	0.6	196	22.6	22.6	8.1	8.1	30.4	30.4	85.5	85.5	6.2	6.2	19.3		18		77				<0.2		1.2	
						5.8	0.7	210	22.6		8.1		30.4		85.5		6.2		19.5		20		77				<0.2		1.0	
IM7	Rainy	Rough	13:46	7.2	Surface	1.0	1.0	216	22.8	22.8	8.0	8.0	27.5	27.5	88.4	88.4	6.5	6.6	9.7	11.4	12	15	73	75	806841	821349	<0.2	<0.2	1.5	1.3
						1.0	1.0	218	22.8		8.0		27.5		88.4		6.5		9.8		13		73				<0.2		1.3	
					Middle	3.6	0.6	216	22.7	22.7	8.0	8.0	27.8	27.8	89.4	89.5	6.6		11.8		16		75				<0.2		1.3	
						3.6	0.7	228	22.7		8.0		27.8		89.5		6.6		11.7		14		76				<0.2		1.3	
					Bottom	6.2	0.6	212	22.7	22.7	8.0	8.0	29.3	29.3	92.2	92.3	6.7	6.7	12.8		17		77				<0.2		1.1	
						6.2	0.6	213	22.7		8.0		29.3		92.4		6.7		12.5		16		77				<0.2		1.4	
IM8	Rainy	Rough	12:40	8.6	Surface	1.0	1.0	195	23.1	23.1	8.0	8.0	25.4	25.4	84.0	84.0	6.2	6.1	7.2	16.7	13	15	73	75	807843	821695	<0.2	<0.2	2.0	2.0
						1.0	1.1	201	23.1		8.0		25.4		84.0		6.2		7.3		11		73				<0.2		2.1	
					Middle	4.3	0.8	187	22.9	22.9	8.0	8.0	27.4	27.4	81.2	81.2	6.0		11.6		14		75				<0.2		1.9	
						4.3	0.9	199	22.9		8.0		27.4		81.2		6.0		11.5		13		74				<0.2		2.1	
					Bottom	7.6	0.6	200	22.8	22.8	8.0	8.0	28.3	28.3	81.9	81.9	6.0	6.0	31.4		20		76				<0.2		1.9	
						7.6	0.6	208	22.8		8.0		28.3		81.9		6.0		31.3		18		77				<0.2		1.9	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Rough	12:32	8.5	Surface	1.0	0.8	166	22.7	22.7	8.1	8.1	27.4	27.4	85.1	85.1	6.3	6.3	7.8	10.6	12	15	77	77	808810	822094	<0.2	<0.2	1.4	1.2
						1.0	0.9	174	22.7		8.1		27.4		85.0		6.3		7.9		14		77				<0.2		1.2	
					Middle	4.3	0.6	141	22.5	22.5	8.1	8.1	29.0	29.0	85.0	85.0	6.2		11.1		17		77				<0.2		1.2	
						4.3	0.7	141	22.5		8.1		29.0		85.0		6.2		11.1		16		77				<0.2		1.2	
					Bottom	7.5	1.0	140	22.5	22.5	8.1	8.1	30.1	30.1	85.5	85.6	6.2	6.2	12.8		16		77				<0.2		1.2	
						7.5	1.0	142	22.5		8.1		30.1		85.6		6.2		12.7		14		77				<0.2		1.0	
IM10	Rainy	Rough	12:20	8.7	Surface	1.0	0.7	171	22.7	22.7	8.1	8.1	27.8	27.8	85.9	85.9	6.3	6.3	7.0	8.4	9	12	75	76	809848	822240	<0.2	<0.2	1.4	1.1
						1.0	0.7	182	22.7		8.1		27.8		85.9		6.3		7.3		9		76				<0.2		1.2	
					Middle	4.4	0.6	150	22.6	22.6	8.1	8.1	28.4	28.4	86.2	86.2	6.3		8.6		10		76				<0.2		1.1	
						4.4	0.7	153	22.6		8.1		28.4		86.2		6.3		8.6		9		75				<0.2		1.0	
					Bottom	7.7	0.5	149	22.5	22.5	8.1	8.1	29.2	29.2	86.2	86.2	6.3	6.3	9.6		17		75				<0.2		0.9	
						7.7	0.5	149	22.5		8.1		29.1		86.2		6.3		9.5		15		76				<0.2		0.9	
IM11	Rainy	Rough	12:09	8.8	Surface	1.0	0.9	154	22.7	22.7	8.1	8.1	27.9	27.9	86.3	86.3	6.3	6.3	6.9	8.5	13	20	75	75	810531	821501	<0.2	<0.2	1.6	1.4
						1.0	1.0	163	22.7		8.1		27.9		86.3		6.3		7.0		12		76				<0.2		1.4	
					Middle	4.4	0.7	125	22.6	22.6	8.1	8.1	28.4	28.4	86.4	86.4	6.3		8.2		23		76				<0.2		1.3	
						4.4	0.8	134	22.6		8.1		28.4		86.4		6.3		8.2		21		74				<0.2		1.1	
					Bottom	7.8	0.8	113	22.5	22.5	8.1	8.1	29.2	29.2	86.7	86.8	6.3	6.3	10.3		25		74				<0.2		1.4	
						7.8	0.8	116	22.5		8.1		29.2		86.8		6.3		10.4		24		75				<0.2		1.3	
IM12	Rainy	Rough	11:58	9.2	Surface	1.0	0.8	128	22.8	22.8	8.1	8.1	27.3	27.3	84.9	84.8	6.3	6.2	8.0	18.0	13	14	75	75	811499	821162	<0.2	<0.2	1.2	1.3
						1.0	0.8	136	22.8		8.1		27.3		84.7		6.2		8.1		12		76				<0.2		1.3	
					Middle	4.6	0.8	112	22.6	22.6	8.1	8.1	28.2	28.2	82.7	82.7	6.1		17.4		14		76				<0.2		1.4	
						4.6	0.8	119	22.6		8.1		28.2		82.7		6.1		17.7		12		74				<0.2		1.3	
					Bottom	8.2	0.8	115	22.5	22.5	8.1	8.1	28.4	28.4	82.5	82.6	6.1	6.1	29.3		16		74				<0.2		1.3	
						8.2	0.9	115	22.5		8.1		28.4		82.6		6.1		27.7		17		75				<0.2		1.5	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Rainy	Rough	11:29	5.2	Surface	1.0	0.6	109	22.6	22.6	8.1	8.1	28.4	28.4	80.2	80.2	5.9	5.9	10.0	10.0	15	19	76	76	814160	821463	<0.2	<0.2	1.4	1.3
						1.0	0.6	116	22.6		8.1		28.4		80.1		5.9		10.1		16		74				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.7	149	22.6	22.6	8.1	8.1	29.9	29.9	80.5	80.5	5.8	5.8	10.1		21		77				<0.2		1.2	
						4.2	0.7	157	22.6		8.1		29.9		80.5		5.8		9.8		22		78				<0.2		1.2	
SR3	Rainy	Rough	12:53	7.0	Surface	1.0	0.9	199	23.1	23.1	8.0	8.0	25.4	25.4	84.6	84.6	6.3	6.3	8.0	11.1	11	17		-	807572	822147	-	-	-	-
						1.0	0.9	215	23.1		8.0		25.4		84.6		6.3		8.1		12						-		-	
					Middle	3.5	0.6	193	23.0	23.0	8.0	8.0	26.6	26.6	84.7	84.8	6.2		10.9		15						-		-	
						3.5	0.7	209	23.0		8.0		26.6		84.8		6.2		11.1		17						-		-	
					Bottom	6.0	0.5	205	22.8	22.8	8.0	8.0	28.5	28.5	89.9	90.1	6.6	6.6	14.6		24						-		-	
						6.0	0.5	218	22.8		8.0		28.5		90.2		6.6		14.1		22						-		-	
SR4A	Cloudy	Moderate	12:05	9.5	Surface	1.0	0.4	105	22.7	22.7	8.1	8.1	30.3	30.3	89.7	89.7	6.5	6.5	8.9	9.7	17	15		-	807793	817189	-	-	-	-
						1.0	0.4	105	22.7		8.1		30.3		89.7		6.5		9.0		16						-		-	
					Middle	4.8	0.4	92	22.7	22.7	8.1	8.1	30.3	30.3	89.6	89.6	6.5		9.1		13						-		-	
						4.8	0.4	99	22.7		8.1		30.3		89.6		6.5		9.2		14						-		-	
					Bottom	8.5	0.4	105	22.6	22.6	8.1	8.1	30.4	30.4	89.2	89.8	6.5	6.6	11.2		14						-		-	
						8.5	0.4	105	22.6		8.0		30.4		90.4		6.6		10.7		16						-		-	
SR5A	Cloudy	Moderate	11:46	5.5	Surface	1.0	0.3	147	22.7	22.7	8.0	8.0	28.2	28.2	85.0	85.0	6.2	6.2	8.4	9.7	12	13		-	810693	816593	-	-	-	-
						1.0	0.3	159	22.7		8.0		28.2		85.0		6.2		8.5		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.5	0.3	135	22.6	22.6	8.0	8.0	28.8	28.8	85.4	85.4	6.3	6.3	10.9		14						-		-	
						4.5	0.4	142	22.6		8.0		28.8		85.3		6.3		10.9		16						-		-	
SR6	Cloudy	Moderate	11:37	4.7	Surface	1.0	0.2	86	22.7	22.7	8.0	8.0	28.0	28.0	85.9	85.9	6.3	6.3	6.4	7.5	14	14		-	814670	817899	-	-	-	-
						1.0	0.2	88	22.7		8.0		28.0		85.9		6.3		6.5		12						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.7	0.2	109	22.7	22.7	8.0	8.0	28.2	28.2	87.5	87.9	6.4	6.5	9.0		14						-		-	
						3.7	0.2	119	22.7		8.0		28.2		88.3		6.5		8.1		14						-		-	
SR7	Rainy	Rough	10:33	16.5	Surface	1.0	0.2	177	22.7	22.7	8.1	8.1	31.0	31.0	79.7	79.7	5.8	5.8	5.6	5.2	9	10		-	823757	823636	-	-	-	-
						1.0	0.2	193	22.7		8.1		31.0		79.7		5.8		5.5		9						-		-	
					Middle	8.3	0.2	127	22.7	22.7	8.1	8.1	31.1	31.1	79.7	79.7	5.8		4.9		10						-		-	
						8.3	0.2	134	22.7		8.1		31.1		79.7		5.8		4.7		12						-		-	
					Bottom	15.5	0.2	201	22.7	22.7	8.1	8.1	31.3	31.3	80.1	80.1	5.8	5.8	5.3		12						-		-	
						15.5	0.2	207	22.7		8.1		31.3		80.1		5.8		5.4		10						-		-	
SR8	Rainy	Rough	11:47	5.6	Surface	1.0	0.5	203	22.7	22.7	8.1	8.1	27.6	27.6	83.0	82.9	6.1	6.1	8.0	9.2	16	14		-	811584	820417	-	-	-	-
						1.0	0.5	204	22.7		8.1		27.6		82.8		6.1		8.2		14						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.5	185	22.6	22.6	8.1	8.1	28.4	28.4	82.3	82.3	6.0	6.0	10.3		14						-		-	
						4.6	0.5	195	22.6		8.1		28.4		82.3		6.0		10.3		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 27 April 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	07:49	8.4	Surface	1.0	0.6	194	23.1	23.1	8.1	8.1	27.6	27.6	91.0	91.0	6.6	6.6	4.6	7.3	10	10	73	75	804253	815620	<0.2	<0.2	1.2	1.1
						1.0	0.6	198	23.1		8.1		27.6		91.0		6.6		4.6		8		73				<0.2		1.2	
					Middle	4.2	0.5	202	23.1	23.1	8.1	8.1	28.1	28.1	90.7	90.7	6.6		7.5		9		75				<0.2		0.9	
						4.2	0.6	221	23.1		8.1		28.1		90.7		6.6		7.4		11		76				<0.2		1.1	
					Bottom	7.4	0.4	208	23.2	23.2	8.1	8.1	29.9	29.9	92.0	92.0	6.6	6.6	10.0		10		77				<0.2		1.0	
						7.4	0.4	216	23.2		8.1		29.9		92.0		6.6		9.5		12		77				<0.2		1.0	
C2	Cloudy	Moderate	07:44	13.2	Surface	1.0	0.5	149	23.3	23.3	8.0	8.0	25.5	25.5	85.2	85.3	6.3	6.3	10.9	15.5	16	19	73	75	806963	825682	<0.2	<0.2	1.8	1.5
						1.0	0.6	155	23.3		8.0		25.5		85.3		6.3		11.1		15		73				<0.2		1.8	
					Middle	6.6	0.3	146	23.2	23.2	8.1	8.1	27.4	27.4	85.5	85.5	6.2		17.1		17		75				<0.2		1.5	
						6.6	0.3	152	23.2		8.1		27.3		85.4		6.2		17.0		16		76				<0.2		1.5	
					Bottom	12.2	0.3	46	23.2	23.2	8.1	8.1	28.1	28.1	85.4	85.4	6.2	6.2	18.5		24		76				<0.2		1.1	
						12.2	0.3	46	23.2		8.1		28.1		85.3		6.2		18.3		24		77				<0.2		1.1	
C3	Cloudy	Moderate	05:54	12.3	Surface	1.0	0.7	86	23.2	23.2	8.2	8.2	26.3	26.3	81.9	81.9	6.0	6.0	14.0	15.5	16	18	74	76	817804	822109	<0.2	<0.2	1.7	1.7
						1.0	0.8	88	23.2		8.2		26.3		81.9		6.0		14.0		17		75				<0.2		1.6	
					Middle	6.2	0.4	89	23.0	23.0	8.1	8.1	27.8	27.8	81.8	81.9	6.0		16.1		20		75				<0.2		1.8	
						6.2	0.4	92	23.0		8.1		27.8		81.9		6.0		16.2		18		76				<0.2		1.7	
					Bottom	11.3	0.3	68	23.1	23.1	8.1	8.1	27.7	27.7	85.8	85.8	6.3	6.3	16.2		18		77				<0.2		1.8	
						11.3	0.3	74	23.1		8.1		27.7		85.8		6.3		16.2		18		76				<0.2		1.5	
IM1	Cloudy	Moderate	08:08	8.0	Surface	1.0	0.8	196	23.1	23.1	8.1	8.1	27.8	27.8	90.7	90.7	6.6	6.5	5.5	10.2	8	13	73	75	806449	818351	<0.2	<0.2	0.9	1.0
						1.0	0.8	199	23.1		8.1		27.8		90.6		6.6		5.7		9		73				<0.2		0.9	
					Middle	4.0	0.6	191	23.2	23.2	8.1	8.1	28.2	28.2	88.4	88.4	6.4		10.5		11		75				<0.2		1.1	
						4.0	0.6	194	23.2		8.1		28.2		88.4		6.4		10.6		9		75				<0.2		1.0	
					Bottom	7.0	0.5	195	23.2	23.2	8.1	8.1	28.3	28.3	88.3	88.3	6.4	6.4	14.4		19		77				<0.2		1.0	
						7.0	0.5	212	23.2		8.1		28.3		88.3		6.4		14.4		22		77				<0.2		0.9	
IM2	Cloudy	Moderate	08:11	9.2	Surface	1.0	0.8	200	23.1	23.1	8.1	8.1	27.9	27.9	90.3	90.3	6.6	6.6	7.2	9.4	7	10	74	75	806186	818852	<0.2	<0.2	1.0	1.0
						1.0	0.9	214	23.1		8.1		27.9		90.3		6.6		7.4		5		73				<0.2		1.1	
					Middle	4.6	0.7	210	23.2	23.2	8.1	8.1	28.3	28.3	89.2	89.2	6.5		9.8		10		75				<0.2		1.0	
						4.6	0.8	212	23.2		8.1		28.3		89.2		6.5		9.8		8		75				<0.2		0.8	
					Bottom	8.2	0.6	201	23.2	23.2	8.1	8.1	28.5	28.5	90.3	90.4	6.6	6.6	11.1		15		77				<0.2		1.0	
						8.2	0.6	211	23.2		8.1		28.5		90.4		6.6		11.2		16		77				<0.2		1.0	
IM3	Cloudy	Moderate	08:19	10.4	Surface	1.0	0.8	199	23.1	23.1	8.1	8.1	28.1	28.1	90.6	90.6	6.6	6.6	6.8	9.6	6	10	73	75	806021	819411	<0.2	<0.2	1.0	1.0
						1.0	0.9	211	23.1		8.1		28.1		90.6		6.6		7.0		6		73				<0.2		1.0	
					Middle	5.2	0.7	208	23.2	23.2	8.1	8.1	28.8	28.8	89.9	89.9	6.5		9.8		11		75				<0.2		1.0	
						5.2	0.8	213	23.2		8.1		28.8		89.9		6.5		9.9		10		75				<0.2		0.8	
					Bottom	9.4	0.6	206	23.2	23.2	8.1	8.1	28.9	28.9	91.1	91.1	6.6	6.6	12.0		13		77				<0.2		0.9	
						9.4	0.6	213	23.2		8.1		28.9		91.1		6.6		11.8		12		77				<0.2		1.0	
IM4	Cloudy	Moderate	08:29	8.4	Surface	1.0	0.6	189	23.1	23.1	8.1	8.1	28.1	28.1	88.9	88.9	6.5	6.6	11.2	10.7	14	16	73	75	805029	819570	<0.2	<0.2	1.2	1.0
						1.0	0.6	203	23.1		8.1		28.1		88.9		6.5		11.1		16		73				<0.2		1.0	
					Middle	4.2	0.4	207	23.2	23.2	8.1	8.1	29.1	29.1	90.6	90.6	6.6		8.1		15		75				<0.2		1.0	
						4.2	0.5	220	23.2		8.1		29.1		90.6		6.6		8.2		17		75				<0.2		1.0	
					Bottom	7.4	0.3	200	23.2	23.2	8.1	8.1	29.3	29.3	90.3	90.3	6.5	6.5	12.9		17		78				<0.2		1.0	
						7.4	0.3	212	23.2		8.1		29.3		90.3		6.5		12.9		15		77				<0.2		0.9	
IM5	Cloudy	Moderate	08:38	7.5	Surface	1.0	0.7	186	23.1	23.1	8.1	8.1	28.0	28.0	88.9	88.9	6.5	6.6	11.7	10.5	15	17	73	75	804915	820564	<0.2	<0.2	1.1	1.1
						1.0	0.7	186	23.1		8.1		28.0		88.8		6.5		11.8		16		73				<0.2		1.1	
					Middle	3.8	0.5	189	23.2	23.2	8.1	8.1	29.0	29.0	90.5	90.5	6.6		9.1		18		75				<0.2		1.3	
						3.8	0.5	195	23.2		8.1		29.0		90.5		6.6		9.2		16		75				<0.2		1.0	
					Bottom	6.5	0.3	182	23.2	23.2	8.1	8.1	29.2	29.2	90.5	90.5	6.5	6.5	10.4		17		77				<0.2		1.0	
						6.5	0.3	193	23.2		8.1		29.2		90.5		6.5		10.5		19		77				<0.2		0.9	
IM6	Cloudy	Moderate	08:42	7.7	Surface	1.0	0.5	172	23.1	23.1	8.1	8.1	28.0	28.0	88.6	88.6	6.5	6.5	12.0	12.5	14	15	73	75	805844	821060	<0.2	<0.2	1.2	1.0
						1.0	0.5	185	23.1		8.1		28.0		88.6		6.5		12.0		15		73				<0.2		1.0	
					Middle	3.9	0.3	186	23.1	23.1	8.1	8.1	28.6	28.6	88.8	88.9	6.5		13.3		15		75				<0.2		1.2	
						3.9	0.4	201	23.1		8.1		28.6		88.9		6.5		13.2		14		75				<0.2		1.0	
					Bottom	6.7	0.3	190	23.2	23.2	8.1	8.1	29.2	29.2	89.2	89.2	6.5	6.5	12.2		17		77				<0.2		0.8	
						6.7	0.3	207	23.2		8.1		29.2		89.2		6.5		12.1		16		77				<0.2		1.0	
IM7	Cloudy	Moderate	08:44	8.4	Surface	1.0	0.5	186	23.3	23.3	8.0	8.0	25.9	25.9	87.9	88.0	6.5	6.5	9.6	12.6	11	14	73	75	806838	821349	<0.2	<0.2	1.7	1.1
						1.0	0.5	201	23.3		8.0		25.9		88.0		6.5		9.7		9		73				<0.2		1.7	
					Middle	4.2	0.4	157	23.2	23.2	8.1	8.1	27.6	27.6	88.4	88.4	6.5		12.8		12		75				<0.2		0.7	
						4.2	0.4	169	23.2		8.1		27.6		88.4		6.5		12.8		13		76				<0.2		0.7	
					Bottom	7.4	0.3	132	23.1	23.1	8.1	8.1	28.4	28.4	88.8	88.8	6.5	6.5	15.4		18		77				<0.2		0.9	
						7.4	0.3	138	23.1		8.1		28.4		88.8		6.5		15.4		19		77				<0.2		1.0	
IM8	Cloudy	Moderate	07:14	9.1	Surface	1.0	0.3	171	23.3	23.3	8.0	8.0	25.6	25.6	86.7	86.8	6.4	6.4	10.3	13.5	15	18	73	75	807844	821695	<0.2	<0.2	2.6	2.5
						1.0	0.3	174	23.3		8.0		25.6		86.8		6.4		10.3		14		73				<0.2		2.6	
					Middle	4.6	0.3	136	23.2	23.2	8.1	8.1	27.8	27.8	87.7	87.8	6.4		13.6		18		75				<0.2		2.7	
						4.6	0.3	145	23.2		8.1		27.8		87.8		6.4		13.7		19		76				<0.2		2.5	
					Bottom	8.1	0.2	99	23.1	23.1	8.1	8.1	28.4	28.4	87.7	87.7	6.4	6.4	16.5		22		77				<0.2		2.3	
						8.1	0.2	106	23.1		8.1		28.4		87.6		6.4		16.6		20		77				<0.2		2.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 April 17 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	07:03	8.2	Surface	1.0	0.4	186	23.1	23.1	8.2	8.2	26.1	26.1	84.4	84.4	6.2	6.2	12.3	12.1	11	11	73	75	808800	822094	<0.2	<0.2	2.6	2.7
						1.0	0.4	194	23.1		8.2		26.1		84.4		6.2		12.3		12		74				<0.2		2.7	
					Middle	4.1	0.5	133	23.1	23.1	8.2	8.2	26.5	26.5	84.4	84.4	6.2		11.9		11		75				<0.2		2.9	
						4.1	0.5	138	23.1		8.2		26.5		84.4		6.2		11.9		10		75				<0.2		2.9	
					Bottom	7.2	0.2	166	23.1	23.1	8.2	8.2	26.8	26.8	84.4	84.4	6.2	6.2	12.1		10		77				<0.2		2.6	
						7.2	0.2	177	23.1		8.2		26.8		84.4		6.2		12.1		10		77				<0.2		2.6	
IM10	Cloudy	Moderate	06:56	8.8	Surface	1.0	0.4	176	23.2	23.2	8.1	8.1	25.4	25.4	84.3	84.3	6.2	6.2	10.4	12.2	8	11	73	75	809818	822240	<0.2	<0.2	2.7	2.7
						1.0	0.5	188	23.2		8.1		25.4		84.3		6.2		10.4		9		73				<0.2		2.6	
					Middle	4.4	0.5	122	23.2	23.2	8.2	8.2	26.2	26.3	84.5	84.6	6.2		13.2		12		75				<0.2		2.7	
						4.4	0.5	122	23.2		8.2		26.3		84.6		6.2		13.6		10		75				<0.2		2.8	
					Bottom	7.8	0.2	135	23.2	23.2	8.2	8.2	26.5	26.5	84.6	84.6	6.2	6.2	12.9		13		77				<0.2		2.8	
						7.8	0.2	135	23.2		8.2		26.5		84.6		6.2		12.9		12		77				<0.2		2.6	
IM11	Cloudy	Moderate	06:48	8.8	Surface	1.0	0.5	179	23.2	23.2	8.2	8.2	25.3	25.3	86.1	86.1	6.4	6.4	12.7	14.4	12	11	73	75	810537	821501	<0.2	<0.2	1.8	2.0
						1.0	0.5	185	23.2		8.2		25.3		86.1		6.4		12.7		11		73				<0.2		1.7	
					Middle	4.4	0.4	128	23.1	23.1	8.2	8.2	26.5	26.5	87.6	87.6	6.4		16.1		10		75				<0.2		1.8	
						4.4	0.5	134	23.1		8.2		26.5		87.6		6.4		16.1		9		75				<0.2		2.0	
					Bottom	7.8	0.3	133	23.1	23.1	8.2	8.2	26.5	26.5	91.6	91.6	6.7	6.7	14.4		11		76				<0.2		2.2	
						7.8	0.3	133	23.1		8.2		26.5		91.6		6.7		14.4		11		77				<0.2		2.3	
IM12	Cloudy	Moderate	06:41	9.2	Surface	1.0	0.4	170	23.2	23.2	8.2	8.2	25.7	25.8	84.1	84.1	6.2	6.2	13.0	14.9	12	11	73	75	811517	821162	<0.2	<0.2	2.0	2.1
						1.0	0.5	186	23.2		8.2		25.8		84.1		6.2		13.2		10		73				<0.2		2.1	
					Middle	4.6	0.4	129	23.2	23.2	8.2	8.2	26.3	26.3	84.1	84.1	6.2		16.2		10		75				<0.2		2.2	
						4.6	0.4	130	23.2		8.2		26.3		84.1		6.2		16.2		11		76				<0.2		2.2	
					Bottom	8.2	0.3	148	23.1	23.1	8.2	8.2	26.7	26.7	84.0	84.0	6.2	6.2	15.3		10		77				<0.2		2.0	
						8.2	0.3	158	23.1		8.2		26.7		84.0		6.2		15.3		12		76				<0.2		2.0	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	06:17	4.4	Surface	1.0	0.6	95	23.2	23.2	8.2	8.2	26.2	26.2	83.8	83.8	6.2	6.2	16.2	18.3	16	16	75	75	814168	821463	<0.2	<0.2	1.6	1.8
						1.0	0.7	101	23.2		8.2		26.2		83.8		6.2		16.2		14		75				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.4	0.4	92	23.1	23.1	8.2	8.2	26.7	26.7	83.8	83.8	6.1	6.1	20.4		17		75				<0.2		2.1	
						3.4	0.4	95	23.1		8.2		26.7		83.7		6.1		20.4		17		76				<0.2		1.8	
SR3	Cloudy	Moderate	07:18	8.6	Surface	1.0	0.4	166	23.3	23.3	8.0	8.0	25.9	25.9	85.7	85.8	6.3	6.3	14.3	17.6	9	16		-	807551	822147	-	-	-	-
						1.0	0.4	173	23.3		8.0		25.8		85.8		6.3		14.6		9						-		-	
					Middle	4.3	0.2	143	23.2	23.2	8.1	8.1	27.2	27.3	86.8	86.9	6.3		19.1		12						-		-	
						4.3	0.2	153	23.2		8.1		27.3		86.9		6.4		19.3		14						-		-	
					Bottom	7.6	0.3	92	23.2	23.2	8.1	8.1	27.9	27.9	87.0	87.0	6.3	6.3	19.3		25						-		-	
						7.6	0.3	94	23.2		8.1		27.9		87.0		6.3		19.2		25						-		-	
SR4A	Cloudy	Moderate	07:23	10.6	Surface	1.0	0.2	246	23.2	23.2	8.1	8.1	27.6	27.6	87.7	87.7	6.4	6.4	14.8	17.2	18	20		-	807805	817189	-	-	-	-
						1.0	0.2	252	23.2		8.1		27.6		87.7		6.4		14.6		18						-		-	
					Middle	5.3	0.2	253	23.2	23.2	8.1	8.1	27.6	27.6	87.4	87.4	6.4		17.1		20						-		-	
						5.3	0.2	274	23.2		8.1		27.6		87.4		6.4		17.4		18						-		-	
					Bottom	9.6	0.2	261	23.2	23.2	8.1	8.1	27.7	27.7	87.5	87.5	6.4	6.4	19.7		23						-		-	
						9.6	0.2	263	23.2		8.1		27.7		87.5		6.4		19.8		23						-		-	
SR5A	Cloudy	Moderate	07:00	5.6	Surface	1.0	0.2	324	23.4	23.4	8.0	8.0	27.8	27.8	83.0	83.0	6.0	6.0	8.8	10.9	10	12		-	810691	816593	-	-	-	-
						1.0	0.2	325	23.4		8.0		27.8		83.0		6.0		8.8		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.2	328	23.4	23.4	8.0	8.0	27.8	27.8	83.9	83.9	6.1	6.1	12.8		14						-		-	
						4.6	0.2	344	23.4		8.0		27.8		83.9		6.1		13.0		12						-		-	
SR6	Cloudy	Moderate	06:26	5.3	Surface	1.0	0.2	334	23.3	23.3	8.0	8.0	26.4	26.4	84.3	84.3	6.2	6.2	6.6	6.4	6	7		-	814649	817899	-	-	-	-
						1.0	0.2	337	23.3		8.0		26.4		84.3		6.2		6.8		6						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.3	0.2	329	23.3	23.3	8.0	8.0	26.6	26.6	86.4	86.5	6.3	6.3	6.0		8						-		-	
						4.3	0.2	356	23.3		8.0		26.6		86.5		6.3		6.0		9						-		-	
SR7	Cloudy	Moderate	05:30	16.8	Surface	1.0	0.6	82	22.9	22.9	8.0	8.0	29.7	29.7	79.2	79.2	5.7	5.7	8.5	10.4	9	11		-	823729	823636	-	-	-	-
						1.0	0.6	88	22.9		8.0		29.7		79.2		5.7		8.6		9						-		-	
					Middle	8.4	0.4	57	22.9	22.9	8.0	8.0	30.3	30.3	79.3	79.4	5.7		10.3		12						-		-	
						8.4	0.5	62	22.9		8.0		30.3		79.4		5.7		10.3		10						-		-	
					Bottom	15.8	0.3	27	22.8	22.8	7.9	7.9	30.6	30.6	79.5	79.5	5.7	5.7	12.4		12						-		-	
						15.8	0.3	28	22.8		7.9		30.6		79.5		5.7		12.4		11						-		-	
SR8	Cloudy	Moderate	06:32	5.2	Surface	1.0	0.5	95	23.2	23.2	8.2	8.2	26.2	26.2	83.5	83.5	6.1	6.1	16.3	16.1	6	7		-	811574	820417	-	-	-	-
						1.0	0.5	100	23.2		8.2		26.2		83.5		6.1		16.3		7						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	112	23.2	23.2	8.2	8.2	26.3	26.3	83.7	83.7	6.2	6.2	15.8		7						-		-	
						4.2	0.3	119	23.2		8.2		26.3		83.7		6.2		15.8		8						-		-	

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Water Quality Monitoring
Water Quality Monitoring Results on 27 April 17 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	Rainy	Moderte	13:18	6.0	Surface	1.0	0.3	89	23.2	23.2	8.1	8.1	26.9	26.9	89.4	89.4	6.5	6.5	8.9	13.0	15	15	73	75	804264	815620	<0.2	<0.2	1.2	1.2
						1.0	0.3	93	23.2		8.1		26.9		89.4		6.5		9.0		15		73				<0.2		1.4	
					Middle	3.0	0.3	86	23.2	23.2	8.1	8.1	28.4	28.4	89.8	89.8	6.5		12.4		14		75				<0.2		1.2	
						3.0	0.3	87	23.2		8.1		28.4		89.8		6.5		12.4		14		75				<0.2		1.3	
					Bottom	5.0	0.2	83	23.2	23.2	8.1	8.1	28.6	28.6	90.8	90.8	6.6	6.6	17.6		14		77				<0.2		0.9	
						5.0	0.2	85	23.2		8.1		28.6		90.8		6.6		17.6		15		77				<0.2		1.1	
C2	Cloudy	Moderate	12:00	13.0	Surface	1.0	0.3	165	23.3	23.3	8.0	8.0	25.4	25.4	85.5	85.5	6.3	6.3	9.4	16.6	11	16	73	75	806934	825682	<0.2	<0.2	1.9	1.7
						1.0	0.4	178	23.3		8.0		25.4		85.5		6.3		9.5		11		74				<0.2		1.8	
					Middle	6.5	0.2	120	23.2	23.2	8.1	8.1	27.7	27.7	87.0	87.0	6.3		18.6		16		75				<0.2		1.8	
						6.5	0.2	122	23.2		8.1		27.7		87.0		6.3		18.6		16		76				<0.2		2.0	
					Bottom	12.0	0.2	63	23.1	23.1	8.1	8.1	28.4	28.4	87.2	87.2	6.3	6.3	21.7		19		76				<0.2		1.3	
						12.0	0.2	67	23.1		8.1		28.4		87.1		6.3		21.8		21		77				<0.2		1.6	
C3	Cloudy	Moderate	14:07	11.8	Surface	1.0	0.8	293	23.2	23.2	8.2	8.2	26.3	26.3	80.8	80.8	5.9	5.9	14.7	15.6	17	17	74	76	817787	822109	<0.2	<0.2	2.0	1.8
						1.0	0.8	316	23.2		8.2		26.3		80.8		5.9		14.7		17		75				<0.2		1.7	
					Middle	5.9	0.3	268	23.0	23.0	8.2	8.2	27.7	27.7	79.8	79.8	5.8		16.2		15		75				<0.2		1.7	
						5.9	0.3	285	23.0		8.2		27.7		79.8		5.8		16.2		15		76				<0.2		1.6	
					Bottom	10.8	0.3	282	23.1	23.1	8.2	8.2	27.7	27.7	81.1	81.1	5.9	5.9	15.8		18		76				<0.2		1.9	
						10.8	0.3	290	23.1		8.2		27.7		81.1		5.9		15.8		17		77				<0.2		1.8	
IM1	Rainy	Moderte	13:09	7.0	Surface	1.0	0.2	68	23.2	23.2	8.1	8.1	26.5	26.5	88.5	88.5	6.5	6.5	9.2	17.5	10	16	73	75	806468	818351	<0.2	<0.2	1.6	1.3
						1.0	0.3	72	23.2		8.1		26.5		88.5		6.5		9.3		12		73				<0.2		1.5	
					Middle	3.5	0.1	75	23.2	23.2	8.1	8.1	28.2	28.2	88.9	88.9	6.5		14.4		14		75				<0.2		1.2	
						3.5	0.1	81	23.2		8.1		28.2		88.9		6.5		14.3		13		76				<0.2		1.2	
					Bottom	6.0	0.1	132	23.2	23.2	8.1	8.1	28.4	28.4	90.2	90.2	6.6	6.6	28.7		22		77				<0.2		1.0	
						6.0	0.1	136	23.2		8.1		28.4		90.2		6.6		28.8		23		77				<0.2		1.1	
IM2	Cloudy	Moderte	13:00	8.5	Surface	1.0	0.2	26	23.2	23.2	8.1	8.1	26.0	26.0	87.7	87.7	6.5	6.6	8.4	10.6	14	17	73	75	806201	818852	<0.2	<0.2	1.5	1.4
						1.0	0.3	27	23.2		8.1		26.0		87.7		6.5		8.5		12		73				<0.2		1.6	
					Middle	4.3	0.1	23	23.2	23.2	8.1	8.1	27.7	27.7	89.8	89.8	6.6		10.4		17		75				<0.2		1.3	
						4.3	0.1	24	23.2		8.1		27.7		89.8		6.6		10.6		15		76				<0.2		1.3	
					Bottom	7.5	0.2	66	23.2	23.2	8.1	8.1	28.0	28.0	92.5	92.6	6.7	6.7	12.8		21		76				<0.2		1.2	
						7.5	0.2	67	23.2		8.1		28.0		92.6		6.7		12.6		20		77				<0.2		1.4	
IM3	Cloudy	Moderte	12:53	7.5	Surface	1.0	0.1	66	23.2	23.2	8.1	8.1	27.0	27.0	87.4	87.4	6.4	6.5	10.9	14.7	17	19	74	76	806003	819411	<0.2	<0.2	1.2	1.3
						1.0	0.1	69	23.2		8.1		27.0		87.4		6.4		10.9		18		74				<0.2		1.3	
					Middle	3.8	0.1	61	23.2	23.2	8.1	8.1	27.4	27.4	88.7	88.7	6.5		15.3		16		75				<0.2		1.5	
						3.8	0.1	64	23.2		8.1		27.4		88.7		6.5		15.4		16		76				<0.2		1.4	
					Bottom	6.5	0.3	56	23.1	23.1	8.1	8.1	28.3	28.3	89.3	89.4	6.5	6.5	17.7		22		77				<0.2		1.2	
						6.5	0.3	58	23.1		8.1		28.3		89.4		6.5		17.8		24		77				<0.2		1.2	
IM4	Cloudy	Moderte	12:46	7.5	Surface	1.0	0.2	144	23.2	23.2	8.1	8.1	27.7	27.7	88.6	88.6	6.5	6.5	13.7	16.0	14	18	73	75	805030	819570	<0.2	<0.2	1.7	1.5
						1.0	0.2	152	23.2		8.1		27.7		88.6		6.5		13.7		15		74				<0.2		1.7	
					Middle	3.8	0.1	134	23.2	23.2	8.1	8.1	27.9	27.9	89.1	89.2	6.5		15.8		18		75				<0.2		1.5	
						3.8	0.1	141	23.2		8.1		27.9		89.2		6.5		15.9		19		75				<0.2		1.4	
					Bottom	6.5	0.1	193	23.2	23.2	8.1	8.1	28.4	28.4	90.9	91.0	6.6	6.6	18.4		20		77				<0.2		1.2	
						6.5	0.1	212	23.2		8.1		28.4		91.1		6.6		18.6		22		77				<0.2		1.2	
IM5	Cloudy	Moderte	12:40	6.7	Surface	1.0	0.3	144	23.2	23.2	8.1	8.1	27.5	27.5	86.9	86.9	6.3	6.3	14.8	16.8	18	19	73	75	804940	820564	<0.2	<0.2	1.2	1.3
						1.0	0.4	157	23.2		8.1		27.5		86.8		6.3		14.9		19		73				<0.2		1.3	
					Middle	3.4	0.2	148	23.2	23.2	8.1	8.1	27.7	27.8	86.8	86.8	6.3		16.7		19		75				<0.2		1.4	
						3.4	0.2	156	23.2		8.1		27.8		86.7		6.3		16.6		19		76				<0.2		1.3	
					Bottom	5.7	0.1	142	23.1	23.1	8.1	8.1	28.7	28.7	88.9	88.9	6.5	6.5	18.7		18		76				<0.2		1.2	
						5.7	0.1	143	23.1		8.1		28.7		88.9		6.5		18.8		18		77				<0.2		1.2	
IM6	Cloudy	Moderte	12:21	7.1	Surface	1.0	0.3	144	23.2	23.2	8.1	8.1	27.0	27.0	86.8	86.8	6.4	6.4	12.8	16.0	15	18	73	74	805827	821060	<0.2	<0.2	1.1	1.2
						1.0	0.3	154	23.2		8.1		27.0		86.8		6.4		12.9		15		73				<0.2		1.3	
					Middle	3.6	0.1	153	23.2	23.2	8.1	8.1	27.7	27.7	87.4	87.4	6.4		17.6		17		75				<0.2		1.2	
						3.6	0.1	153	23.2		8.1		27.7		87.4		6.4		17.7		18		75				<0.2		1.1	
					Bottom	6.1	0.1	168	23.1	23.1	8.1	8.1	28.5	28.5	88.4	88.5	6.4	6.4	17.4		20		75				<0.2		1.1	
						6.1	0.1	170	23.1		8.1		28.5		88.5		6.4		17.3		20		75				<0.2		1.3	
IM7	Cloudy	Moderte	12:12	8.3	Surface	1.0	0.4	157	23.3	23.3	8.0	8.0	25.4	25.4	86.0	86.1	6.3	6.3	10.4	13.4	11	15	73	75	806853	821349	<0.2	<0.2	1.1	1.2
						1.0	0.4	163	23.3		8.0		25.4		86.1		6.4		10.5		11		73				<0.2		1.4	
					Middle	4.2	0.3	131	23.2	23.2	8.1	8.1	27.0	27.0	86.5	86.5	6.3		14.1		15		75				<0.2		1.3	
						4.2	0.3	142	23.2		8.1		27.0		86.5		6.3		14.1		13		75				<0.2		1.2	
					Bottom	7.3	0.1	91	23.2	23.2	8.1	8.1	28.0	28.0	89.7	89.8	6.5	6.5	15.6		20		75				<0.2		1.2	
						7.3	0.2	93	23.2		8.1		28.0		89.8		6.5		15.6		18		76				<0.2		1.1	
IM8	Cloudy	Moderate	12:31	8.6	Surface	1.0	0.3	169	23.3	23.3	8.0	8.0	25.6	25.6	85.9	86.0	6.3	6.4	9.6	12.8	12	13	73	75	807842	821695	0.4	0.2	2.5	2.4
						1.0	0.4	172	23.3		8.0		25.6		86.0		6.3		9.7		11		73				<0.2		2.5	
					Middle	4.3	0.3	126	23.2	23.2	8.1	8.1	27.1	27.1	87.5	87.5	6.4		15.0		14		75				<0.2		2.5	
						4.3	0.3	135	23.2		8.1		27.1		87.5		6.4		15.0		14		75				<0.2		2.6	
					Bottom	7.6	0.2	74	23.1	23.1	8.1	8.1	28.2	28.2	90.1	90.1	6.6	6.6	13.8		13		75				<0.2		2.2	
						7.6	0.2	74	23.1		8.1		28.2		90.1		6.6		13.8		12		76				<0.2		2.0	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 April 17 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	12:39	8.3	Surface	1.0	0.6	109	23.3	23.3	8.2	8.2	25.7	25.7	84.0	84.0	6.2	6.2	11.6	12.2	12	15	74	75	808825	822094	<0.2	<0.2	3.1	2.9
						1.0	0.6	109	23.3		8.2		25.7		84.0		6.2		11.6		12		73				<0.2		3.0	
					Middle	4.2	0.5	92	23.3	23.3	8.2	8.2	26.3	26.3	83.9	83.9	6.2		13.2		16		75				<0.2		2.8	
						4.2	0.6	98	23.3		8.2		26.3		83.9		6.2		13.2		15		76				<0.2		3.0	
					Bottom	7.3	0.5	82	23.3	23.3	8.2	8.2	26.6	26.6	83.6	83.6	6.2	6.2	11.7		17		76				<0.2		2.7	
						7.3	0.5	84	23.3		8.2		26.6		83.6		6.2		11.7		18		76				<0.2		2.6	
IM10	Cloudy	Moderate	12:46	8.2	Surface	1.0	0.7	111	23.3	23.3	8.2	8.2	25.5	25.5	83.7	83.7	6.2	6.2	10.3	12.1	7	10	73	76	809837	822240	<0.2	<0.2	2.5	2.7
						1.0	0.7	112	23.3		8.2		25.5		83.7		6.2		10.3		9		73				<0.2		2.7	
					Middle	4.1	0.6	90	23.3	23.3	8.2	8.2	26.2	26.2	83.9	83.9	6.2		13.4		10		76				<0.2		2.7	
						4.1	0.6	96	23.3		8.2		26.2		83.9		6.2		13.4		10		77				<0.2		2.8	
					Bottom	7.2	0.5	79	23.2	23.2	8.2	8.2	26.3	26.3	83.7	83.7	6.2	6.2	12.7		10		77				<0.2		2.7	
						7.2	0.5	84	23.2		8.2		26.3		83.7		6.2		12.6		11		78				<0.2		2.5	
IM11	Cloudy	Moderate	12:54	7.9	Surface	1.0	0.7	112	23.3	23.3	8.2	8.2	25.7	25.7	83.8	83.8	6.2	6.2	10.6	11.7	14	14	73	75	810557	821501	<0.2	<0.2	1.7	1.8
						1.0	0.7	117	23.3		8.2		25.7		83.8		6.2		10.6		13		73				<0.2		1.8	
					Middle	4.0	0.5	92	23.2	23.2	8.2	8.2	26.2	26.2	83.8	83.8	6.2		12.8		15		75				<0.2		1.8	
						4.0	0.5	97	23.2		8.2		26.2		83.8		6.2		12.8		14		76				<0.2		1.7	
					Bottom	6.9	0.4	78	23.2	23.2	8.2	8.2	26.2	26.2	83.6	83.6	6.2	6.2	11.7		14		77				<0.2		1.9	
						6.9	0.4	83	23.2		8.2		26.2		83.6		6.2		11.7		16		77				<0.2		2.0	
IM12	Cloudy	Moderate	13:08	8.6	Surface	1.0	0.7	111	23.2	23.2	8.2	8.2	25.2	25.2	83.7	83.7	6.2	6.2	8.9	11.1	19	20	73	75	811518	821162	<0.2	<0.2	1.7	1.8
						1.0	0.8	115	23.2		8.2		25.2		83.7		6.2		8.7		19		74				<0.2		1.8	
					Middle	4.3	0.5	105	23.2	23.2	8.2	8.2	26.0	26.1	83.7	83.7	6.2		12.1		21		75				<0.2		2.0	
						4.3	0.5	113	23.2		8.2		26.1		83.6		6.2		12.5		19		76				<0.2		1.8	
					Bottom	7.6	0.4	82	23.2	23.2	8.2	8.2	26.0	26.0	83.4	83.4	6.1	6.1	12.1		21		77				<0.2		1.8	
						7.6	0.4	82	23.2		8.2		26.0		83.4		6.1		12.1		21		77				<0.2		1.8	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	13:48	4.6	Surface	1.0	0.6	295	23.2	23.2	8.2	8.2	26.1	26.1	83.3	83.3	6.1	6.1	15.7	19.4	18	18	74	75	814164	821463	<0.2	<0.2	1.9	1.8
						1.0	0.7	320	23.2		8.2		26.1		83.3		6.1		15.8		18		75				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.6	0.4	292	23.2	23.2	8.2	8.2	26.6	26.6	83.1	83.1	6.1	6.1	23.1		17		75				<0.2		1.7	
						3.6	0.4	318	23.2		8.2		26.6		83.1		6.1		23.1		17		75				<0.2		1.5	
SR3	Cloudy	Moderate	12:26	9.2	Surface	1.0	0.3	161	23.3	23.3	8.0	8.0	25.4	25.4	85.3	85.3	6.3	6.3	8.9	12.5	14	15		-	807587	822147	-	-	-	-
						1.0	0.3	175	23.3		8.0		25.4		85.3		6.3		8.9		12						-		-	
					Middle	4.6	0.3	107	23.2	23.2	8.1	8.1	26.9	26.9	85.4	85.5	6.3		15.0		14						-		-	
						4.6	0.3	116	23.2		8.1		26.9		85.5		6.3		15.0		12						-		-	
					Bottom	8.2	0.2	70	23.2	23.2	8.1	8.1	28.0	28.0	84.9	84.9	6.2	6.2	13.8		18						-		-	
						8.2	0.2	74	23.2		8.1		27.9		84.9		6.2		13.5		18						-		-	
SR4A	Rainy	Moderate	13:20	8.9	Surface	1.0	0.4	78	23.2	23.2	8.1	8.1	28.0	28.0	87.6	87.6	6.4	6.5	14.1	11.4	17	16		-	807797	817189	-	-	-	-
						1.0	0.4	82	23.2		8.1		28.0		87.6		6.4		14.1		17						-		-	
					Middle	4.5	0.3	74	23.2	23.2	8.1	8.1	27.3	27.3	89.0	89.0	6.5		7.5		16						-		-	
						4.5	0.4	80	23.2		8.1		27.3		89.0		6.5		7.6		15						-		-	
					Bottom	7.9	0.3	74	23.2	23.2	8.1	8.1	28.5	28.5	89.2	89.2	6.5	6.5	12.7		15						-		-	
						7.9	0.3	76	23.2		8.1		28.5		89.2		6.5		12.5		16						-		-	
SR5A	Rainy	Moderate	13:46	4.9	Surface	1.0	0.3	80	23.4	23.4	8.0	8.0	27.7	27.7	82.7	82.8	6.0	6.0	14.2	14.9	15	16		-	810694	816593	-	-	-	-
						1.0	0.4	80	23.4		8.0		27.7		82.8		6.0		14.1		15						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.9	0.3	76	23.4	23.4	8.0	8.0	27.7	27.7	88.2	88.3	6.4	6.4	15.5		16						-		-	
						3.9	0.3	78	23.4		8.0		27.7		88.4		6.4		15.6		16						-		-	
SR6	Rainy	Moderate	13:48	4.5	Surface	1.0	0.1	133	23.3	23.3	8.0	8.0	27.6	27.6	84.8	84.9	6.2	6.2	9.6	9.1	13	14		-	814674	817899	-	-	-	-
						1.0	0.1	145	23.3		8.0		27.6		84.9		6.2		9.8		12						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.1	60	23.4	23.4	8.0	8.0	27.6	27.6	82.4	82.4	6.0	6.0	8.4		15						-		-	
						3.5	0.1	61	23.4		8.0		27.6		82.4		6.0		8.4		16						-		-	
SR7	Cloudy	Moderate	14:37	17.2	Surface	1.0	0.1	215	23.2	23.2	8.1	8.1	27.1	27.1	83.3	83.3	6.1	6.1	8.3	8.5	13	14		-	823732	823636	-	-	-	-
						1.0	0.1	232	23.2		8.1		27.1		83.3		6.1		8.4		12						-		-	
					Middle	8.6	0.3	81	23.2	23.2	8.0	8.0	27.3	27.3	83.9	83.9	6.1		8.4		15						-		-	
						8.6	0.3	87	23.2		8.0		27.2		83.9		6.1		8.5		13						-		-	
					Bottom	16.2	0.2	95	23.2	23.2	8.0	8.0	27.3	27.3	85.7	85.8	6.3	6.3	8.8		17						-		-	
						16.2	0.2	100	23.2		8.0		27.3		85.8		6.3		8.8		15						-		-	
SR8	Cloudy	Moderate	13:21	5.0	Surface	1.0	0.5	295	23.2	23.2	8.2	8.2	26.2	26.2	83.5	83.5	6.1	6.1	16.3	16.1	17	18		-	811608	820417	-	-	-	-
						1.0	0.5	322	23.2		8.2		26.2		83.5		6.1		16.3		16						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.3	212	23.2	23.2	8.2	8.2	26.3	26.3	83.7	83.7	6.2	6.2	15.8		19						-		-	
						4.0	0.3	231	23.2		8.2		26.3		83.7		6.2		15.8		18						-		-	

DA: Depth-Averaged

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

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 April 17 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	08:11	8.6	Surface	1.0	0.6	23	23.4	23.4	8.1	8.1	26.3	26.3	91.5	91.5	6.7	6.7	8.1	16.8	10	19	74	76	804229	815620	<0.2	<0.2	1.8	1.7
						1.0	0.6	23	23.4		8.1		26.3		91.5		6.7		8.0		12		75				<0.2		1.9	
					Middle	4.3	0.5	13	23.3	23.3	8.1	8.1	29.2	29.2	92.8	92.9	6.7		22.0		24		75				<0.2		1.9	
						4.3	0.5	13	23.3		8.1		29.2		92.9		6.7		22.1		22		76				<0.2		1.7	
					Bottom	7.6	0.4	3	23.3	23.3	8.1	8.1	30.0	30.1	92.8	92.9	6.7	6.7	21.0		21		77				<0.2		1.4	
						7.6	0.4	3	23.3		8.1		30.1		92.9		6.7		19.7		23		78				<0.2		1.3	
C2	Cloudy	Moderate	08:53	12.3	Surface	1.0	0.5	83	23.7	23.7	8.1	8.1	28.2	28.2	92.0	92.0	6.6	6.6	12.5	15.7	13	21	75	75	806960	825682	<0.2	<0.2	1.2	1.3
						1.0	0.5	89	23.7		8.1		28.2		91.9		6.6		12.6		15		75				<0.2		1.4	
					Middle	6.2	0.5	82	23.5	23.5	8.1	8.1	28.3	28.3	91.0	91.0	6.6		18.1		22		72				<0.2		1.3	
						6.2	0.5	86	23.5		8.1		28.3		91.0		6.6		18.4		20		76				<0.2		1.4	
					Bottom	11.3	0.3	76	23.6	23.6	8.1	8.1	28.3	28.3	91.5	91.5	6.6	6.6	16.3		30		77				<0.2		1.4	
						11.3	0.4	81	23.6		8.1		28.3		91.5		6.6		16.3		27		77				<0.2		1.3	
C3	Cloudy	Moderate	06:53	12.3	Surface	1.0	0.9	110	23.8	23.8	8.2	8.2	26.9	26.9	83.5	83.5	6.1	6.0	11.8	12.6	15	16	76	77	817811	822109	<0.2	<0.2	2.0	1.8
						1.0	0.9	117	23.8		8.2		26.9		83.5		6.1		11.8		17		75				<0.2		1.8	
					Middle	6.2	0.4	103	23.3	23.3	8.2	8.2	28.3	28.3	81.1	81.1	5.9		12.9		13		76				<0.2		1.9	
						6.2	0.4	112	23.3		8.2		28.3		81.1		5.9		12.9		14		77				<0.2		1.9	
					Bottom	11.3	0.5	116	23.1	23.1	8.2	8.2	28.9	28.9	80.9	80.9	5.9	5.9	13.1		16		77				<0.2		1.5	
						11.3	0.5	118	23.1		8.2		28.9		80.9		5.9		13.1		19		78				<0.2		1.8	
IM1	Cloudy	Moderate	08:20	8.4	Surface	1.0	0.6	27	23.4	23.4	8.1	8.1	28.1	28.1	91.5	91.5	6.6	6.6	12.2	18.1	14	18	74	76	806457	818351	<0.2	<0.2	1.4	1.5
						1.0	0.6	29	23.4		8.1		28.1		91.4		6.6		12.4		13		74				<0.2		1.7	
					Middle	4.2	0.5	26	23.4	23.4	8.1	8.1	28.3	28.3	90.8	90.8	6.6		17.7		21		76				<0.2		1.4	
						4.2	0.5	26	23.4		8.1		28.3		90.8		6.6		17.7		23		76				<0.2		1.5	
					Bottom	7.4	0.3	24	23.3	23.3	8.1	8.1	28.3	28.3	90.4	90.4	6.6	6.6	24.2		17		77				<0.2		1.6	
						7.4	0.4	26	23.3		8.1		28.3		90.4		6.6		24.4		18		77				<0.2		1.5	
IM2	Cloudy	Moderate	08:27	9.8	Surface	1.0	0.5	39	23.4	23.4	8.1	8.1	28.1	28.1	91.7	91.7	6.6	6.6	13.5	21.1	8	22	74	76	806180	818852	<0.2	<0.2	1.5	1.3
						1.0	0.5	42	23.4		8.1		28.1		91.7		6.6		13.7		10		75				<0.2		1.5	
					Middle	4.9	0.4	43	23.3	23.3	8.1	8.1	28.7	28.7	91.0	91.0	6.6		25.5		27		76				<0.2		1.4	
						4.9	0.4	46	23.3		8.1		28.7		91.0		6.6		25.5		26		75				<0.2		1.2	
					Bottom	8.8	0.3	60	23.3	23.3	8.1	8.1	28.7	28.7	91.2	91.2	6.6	6.6	24.4		29		77				<0.2		1.0	
						8.8	0.3	60	23.3		8.1		28.7		91.2		6.6		24.2		30		78				<0.2		1.1	
IM3	Cloudy	Moderate	08:35	9.4	Surface	1.0	0.5	33	23.4	23.4	8.1	8.1	28.5	28.5	91.9	91.9	6.6	6.6	13.1	20.8	10	19	75	76	806021	819411	<0.2	<0.2	1.3	1.2
						1.0	0.5	33	23.4		8.1		28.5		91.9		6.6		13.2		12		75				<0.2		1.2	
					Middle	4.7	0.4	31	23.3	23.3	8.1	8.1	28.9	28.9	91.2	91.2	6.6		25.3		22		76				<0.2		1.2	
						4.7	0.5	32	23.3		8.1		28.9		91.2		6.6		25.0		20		76				<0.2		1.3	
					Bottom	8.4	0.5	42	23.3	23.3	8.1	8.1	28.9	28.9	91.5	91.5	6.6	6.6	24.6		26		77				<0.2		1.2	
						8.4	0.5	43	23.3		8.1		28.9		91.5		6.6		23.8		24		77				<0.2		1.2	
IM4	Cloudy	Moderate	08:41	8.8	Surface	1.0	0.4	21	23.5	23.5	8.1	8.1	28.8	28.8	93.0	93.0	6.7	6.7	13.4	20.5	22	25	74	76	805042	819570	<0.2	<0.2	1.0	1.2
						1.0	0.4	22	23.5		8.1		28.8		93.0		6.7		13.5		25		75				<0.2		1.2	
					Middle	4.4	0.4	14	23.3	23.3	8.1	8.1	29.0	29.0	92.0	92.0	6.6		23.8		18		75				<0.2		1.0	
						4.4	0.4	15	23.3		8.1		29.0		92.0		6.6		24.1		21		76				<0.2		1.2	
					Bottom	7.8	0.3	18	23.3	23.3	8.1	8.1	29.0	29.0	92.4	92.4	6.7	6.7	24.2		34		77				<0.2		1.2	
						7.8	0.3	18	23.3		8.1		29.0		92.4		6.7		24.2		31		77				<0.2		1.4	
IM5	Cloudy	Moderate	08:50	7.9	Surface	1.0	0.3	44	23.7	23.7	8.1	8.1	28.6	28.6	92.4	92.4	6.7	6.7	13.9	17.8	15	19	75	76	804908	820564	<0.2	<0.2	1.3	1.3
						1.0	0.4	46	23.7		8.1		28.6		92.4		6.7		13.8		13		74				<0.2		1.4	
					Middle	4.0	0.2	65	23.5	23.5	8.1	8.1	28.8	28.8	92.2	92.2	6.7		19.7		22		76				<0.2		1.3	
						4.0	0.3	66	23.5		8.1		28.8		92.2		6.7		19.5		21		75				<0.2		1.3	
					Bottom	6.9	0.2	76	23.5	23.5	8.1	8.1	28.9	28.9	94.0	94.1	6.8	6.8	20.4		23		77				<0.2		1.5	
						6.9	0.3	79	23.5		8.1		28.9		94.1		6.8		19.5		22		78				<0.2		1.2	
IM6	Cloudy	Moderate	08:56	7.8	Surface	1.0	0.4	63	23.7	23.7	8.1	8.1	28.6	28.6	91.9	91.9	6.6	6.6	15.9	21.9	20	24	74	76	805845	821060	<0.2	<0.2	1.1	1.2
						1.0	0.4	67	23.7		8.1		28.6		91.9		6.6		16.1		19		73				<0.2		1.1	
					Middle	3.9	0.4	65	23.5	23.5	8.1	8.1	28.8	28.8	90.9	90.9	6.6		24.2		22		76				<0.2		1.2	
						3.9	0.4	70	23.5		8.1		28.8		90.9		6.6		24.4		24		76				<0.2		1.4	
					Bottom	6.8	0.3	63	23.4	23.4	8.1	8.1	28.8	28.8	91.8	91.8	6.6	6.6	25.4		28		77				<0.2		1.3	
						6.8	0.4	65	23.4		8.1		28.8		91.8		6.6		25.4		29		78				<0.2		1.3	
IM7	Cloudy	Moderate	09:04	9.3	Surface	1.0	0.5	75	23.6	23.6	8.1	8.1	28.5	28.5	91.8	91.8	6.6	6.6	15.2	19.4	19	23	74	76	806837	821349	<0.2	<0.2	1.4	1.4
						1.0	0.5	80	23.6		8.1		28.5		91.8		6.6		15.3		18		75				<0.2		1.6	
					Middle	4.7	0.4	74	23.5	23.5	8.1	8.1	28.6	28.6	91.5	91.5	6.6		19.0		24		75				<0.2		1.4	
						4.7	0.4	74	23.5		8.1		28.6		91.5		6.6		19.2		25		76				<0.2		1.3	
					Bottom	8.3	0.3	78	23.5	23.5	8.1	8.1	28.6	28.6	92.5	92.6	6.7	6.7	23.7		23		77				<0.2		1.4	
						8.3	0.3	84	23.5		8.1		28.6		92.6		6.7		23.7		27		78				<0.2		1.4	
IM8	Cloudy	Moderate	08:21	9.0	Surface	1.0	0.4	129	23.7	23.7	8.1	8.1	28.1	28.1	90.6	90.6	6.5	6.5	13.8	16.8	20	19	76	77	807829	821695	<0.2	<0.2	1.1	1.4
						1.0	0.4	140	23.7		8.1		28.1		90.6		6.5		13.9		21		75				<0.2		1.2	
					Middle	4.5	0.3	88	23.4	23.4	8.1	8.1	28.2	28.2	90.4	90.4	6.5		21.4		19		76				<0.2		1.4	
						4.5	0.3	95	23.4		8.1		28.2		90.4		6.5		21.4		17		77				<0.2		1.5	
					Bottom	8.0	0.3	65	23.5	23.5	8.1	8.1	28.2	28.2	92.3	92.4	6.7	6.7	15.2		20		77				<0.2		1.4	
						8.0	0.3	68	23.5		8.1		28.2		92.4		6.7		15.2		18		78				<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 29 April 17 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	08:16	8.8	Surface	1.0	0.6	115	23.6	23.6	8.2	8.2	26.2	26.2	87.9	87.9	6.4	6.4	10.3	12.1	11	15	76	77	808809	822094	<0.2	<0.2	1.8	1.6
						1.0	0.6	120	23.6		8.2		26.2		87.9		6.4		10.3		10		75				<0.2		1.6	
					Middle	4.4	0.5	87	23.5	23.5	8.2	8.2	27.4	27.4	88.1	88.1	6.4		14.2		13		77				<0.2		1.8	
						4.4	0.5	92	23.5		8.2		27.4		88.1		6.4		14.2		11		77				<0.2		1.7	
					Bottom	7.8	0.4	85	23.5	23.5	8.2	8.2	28.6	28.6	89.0	89.0	6.4	6.4	11.8		24		78				<0.2		1.2	
						7.8	0.4	86	23.5		8.2		28.6		89.0		6.4		11.8		21		78				<0.2		1.3	
IM10	Cloudy	Moderate	08:08	8.2	Surface	1.0	0.6	115	24.0	24.0	8.2	8.2	25.7	25.7	94.5	94.5	6.9	6.7	5.6	14.1	7	11	75	76	809841	822240	<0.2	<0.2	1.9	1.8
						1.0	0.6	125	24.0		8.2		25.7		94.5		6.9		5.6		7		75				<0.2		1.8	
					Middle	4.1	0.5	78	23.5	23.5	8.2	8.2	28.1	28.1	88.5	88.5	6.4		14.3		8		76				<0.2		1.6	
						4.1	0.5	82	23.5		8.2		28.1		88.5		6.4		14.3		8		77				<0.2		1.7	
					Bottom	7.2	0.4	73	23.4	23.4	8.2	8.2	28.8	28.8	89.0	89.0	6.4	6.4	22.4		18		77				<0.2		1.8	
						7.2	0.5	80	23.4		8.2		28.8		89.0		6.4		22.4		18		78				<0.2		1.7	
IM11	Cloudy	Moderate	07:56	7.8	Surface	1.0	0.6	126	23.7	23.7	8.2	8.2	26.1	26.1	88.0	88.0	6.4	6.4	8.9	12.2	10	12	75	76	810539	821501	<0.2	<0.2	2.0	1.9
						1.0	0.6	126	23.7		8.2		26.1		88.0		6.4		8.9		12		75				<0.2		1.7	
					Middle	3.9	0.6	92	23.5	23.5	8.2	8.2	28.3	28.3	88.2	88.2	6.4		13.8		12		76				<0.2		1.8	
						3.9	0.6	98	23.5		8.2		28.3		88.2		6.4		13.8		10		75				<0.2		1.8	
					Bottom	6.8	0.5	79	23.5	23.5	8.2	8.2	28.7	28.7	87.6	87.6	6.3	6.3	14.0		14		77				<0.2		2.0	
						6.8	0.5	84	23.5		8.2		28.7		87.6		6.3		14.0		16		78				<0.2		1.9	
IM12	Cloudy	Moderate	07:48	9.6	Surface	1.0	0.6	115	23.6	23.6	8.2	8.2	25.9	25.9	88.5	88.5	6.5	6.5	10.0	16.5	8	10	75	77	811520	821162	<0.2	<0.2	2.0	1.9
						1.0	0.6	123	23.6		8.2		25.9		88.5		6.5		10.0		10		75				<0.2		1.9	
					Middle	4.8	0.5	88	23.5	23.5	8.2	8.2	28.2	28.2	88.5	88.5	6.4		13.8		9		76				<0.2		1.8	
						4.8	0.6	92	23.5		8.2		28.2		88.5		6.4		13.8		9		77				<0.2		1.9	
					Bottom	8.6	0.4	72	23.4	23.4	8.2	8.2	28.8	28.8	89.1	89.1	6.4	6.4	25.6		12		78				<0.2		1.9	
						8.6	0.4	73	23.4		8.2		28.8		89.1		6.4		25.6		12		78				<0.2		2.0	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	07:14	5.2	Surface	1.0	0.6	99	23.8	23.8	8.2	8.2	26.5	26.5	87.6	87.6	6.4	6.4	12.7	18.7	17	15	76	77	814156	821463	<0.2	<0.2	2.0	2.0
						1.0	0.6	106	23.8		8.2		26.5		87.6		6.4		12.9		15		77				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.4	105	23.5	23.5	8.2	8.2	28.1	28.1	87.6	87.6	6.3	6.3	24.5		13		78				<0.2		2.0	
						4.2	0.4	108	23.5		8.2		28.1		87.6		6.3		24.5		14		78				<0.2		1.9	
SR3	Cloudy	Moderate	08:24	9.2	Surface	1.0	0.4	78	23.6	23.6	8.1	8.1	28.1	28.1	90.3	90.3	6.5	6.5	12.9	16.3	15	21		-	807567	822147	-	-	-	-
						1.0	0.4	82	23.6		8.1		28.1		90.3		6.5		12.7		15						-		-	
					Middle	4.6	0.4	63	23.4	23.5	8.1	8.1	28.2	28.2	89.9	89.9	6.5		18.8		30						-		-	
						4.6	0.4	67	23.5		8.1		28.2		89.9		6.5		18.5		32						-		-	
					Bottom	8.2	0.4	68	23.5	23.5	8.1	8.1	28.2	28.2	90.1	90.1	6.5	6.5	17.5		17						-		-	
						8.2	0.4	69	23.5		8.1		28.2		90.1		6.5		17.2		18						-		-	
SR4A	Cloudy	Moderate	07:47	8.9	Surface	1.0	0.6	46	23.2	23.2	8.1	8.1	27.6	27.6	87.9	87.9	6.4	6.4	19.3	16.8	24	<u>25</u>		-	807793	817189	-	-	-	-
						1.0	0.7	50	23.2		8.1		27.6		87.9		6.4		19.3		24						-		-	
					Middle	4.5	0.5	37	23.1	23.1	8.0	8.0	27.9	27.9	85.7	85.7	6.3		15.5		26						-		-	
						4.5	0.5	39	23.1		8.0		27.9		85.7		6.3		15.5		27						-		-	
					Bottom	7.9	0.4	43	23.1	23.1	8.0	8.0	28.0	28.0	86.4	86.4	6.3	6.3	15.6		22						-		-	
						7.9	0.4	46	23.1		8.0		28.0		86.4		6.3		15.7		24						-		-	
SR5A	Cloudy	Moderate	07:35	5.8	Surface	1.0	0.1	316	23.2	23.2	8.0	8.0	27.5	27.5	85.0	85.0	6.2	6.2	12.1	12.9	11	12		-	810695	816593	-	-	-	-
						1.0	0.1	321	23.2		8.0		27.5		85.0		6.2		12.2		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.8	0.0	356	23.1	23.1	8.0	8.0	27.5	27.5	86.1	86.2	6.3	6.3	13.7		13						-		-	
						4.8	0.0	352	23.1		8.0		27.5		86.2		6.3		13.7		14						-		-	
SR6	Cloudy	Moderate	07:27	5.0	Surface	1.0	0.1	240	23.3	23.3	8.0	8.0	26.5	26.5	85.0	85.0	6.2	6.2	13.2	14.9	12	14		-	814662	817899	-	-	-	-
						1.0	0.1	249	23.3		8.0		26.5		85.0		6.2		13.3		11						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.0	0.1	261	23.2	23.2	8.0	8.0	26.9	26.9	86.1	86.2	6.3	6.3	16.4		16						-		-	
						4.0	0.1	275	23.2		8.0		26.9		86.2		6.3		16.5		16						-		-	
SR7	Cloudy	Moderate	06:33	15.6	Surface	1.0	0.2	330	23.1	23.1	8.0	8.0	28.3	28.3	81.9	81.9	6.0	5.9	5.4	9.1	7	8		-	823751	823636	-	-	-	-
						1.0	0.2	343	23.1		8.0		28.3		81.8		6.0		5.4		8						-		-	
					Middle	7.8	0.3	255	23.0	23.0	8.0	8.0	29.4	29.4	80.1	80.1	5.8		11.9		8						-		-	
						7.8	0.3	256	23.0		8.0		29.4		80.1		5.8		12.0		10						-		-	
					Bottom	14.6	0.7	223	23.0	23.0	7.9	7.9	29.3	29.3	82.5	82.6	6.0	6.0	10.0		7						-		-	
						14.6	0.7	231	23.0		7.9		29.3		82.6		6.0		10.0		7						-		-	
SR8	Cloudy	Moderate	07:37	4.5	Surface	1.0	0.7	114	23.6	23.6	8.2	8.2	27.6	27.6	87.5	87.5	6.3	6.3	14.7	14.3	8	10		-	811589	820417	-	-	-	-
						1.0	0.7	124	23.6		8.2		27.6		87.5		6.3		14.7		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.4	127	23.7	23.7	8.2	8.2	27.9	27.9	87.1	87.1	6.3	6.3	13.8		12						-		-	
						3.5	0.4	127	23.7		8.2		27.9		87.1		6.3		13.8		12						-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 April 17 during Mid-Ebb tide

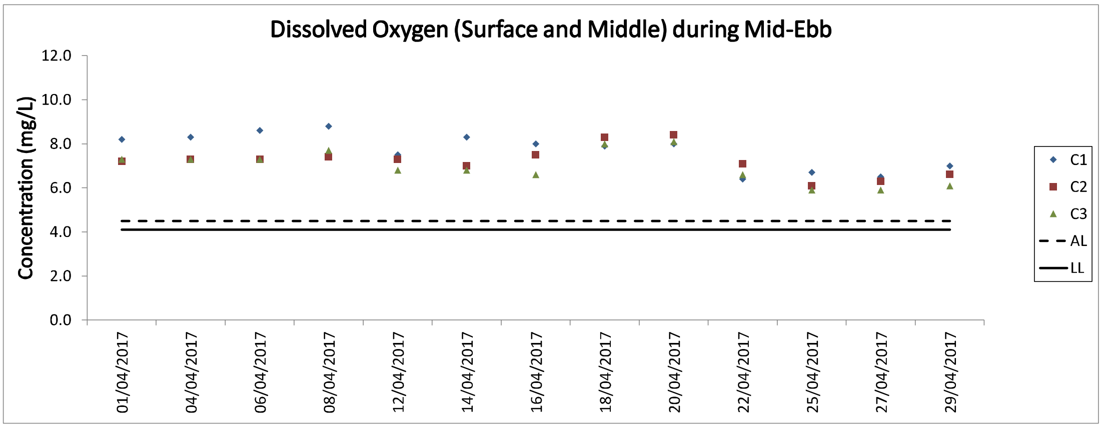
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (^{o}C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:06	7.8	Surface	1.0	0.5	204	24.2	24.2	8.1	8.1	27.4	27.4	97.6	97.6	7.0	7.0	6.2	7.5	4	6	75	76	804232	815620	<0.2	<0.2	1.1	1.1
						1.0	0.5	205	24.2		8.1		27.3		97.5		7.0		6.4		6		75				<0.2		1.1	
					Middle	3.9	0.6	210	24.2	24.2	8.1	8.1	28.8	28.8	96.2	96.3	6.9		7.9		6		76				<0.2		1.0	
						3.9	0.6	212	24.2		8.1		28.8		96.3		6.9		8.0		6		76				<0.2		1.2	
					Bottom	6.8	0.4	215	23.4	23.4	8.1	8.1	29.6	29.6	95.9	96.0	6.9	6.9	8.4		6		78				<0.2		1.2	
						6.8	0.4	222	23.4		8.1		29.6		96.0		6.9		8.2		8		78				<0.2		1.2	
C2	Cloudy	Moderate	13:17	13.6	Surface	1.0	0.3	130	23.8	23.8	8.1	8.1	25.9	25.9	89.8	89.9	6.6	6.6	9.4	12.7	10	14	75	76	806957	825682	<0.2	<0.2	2.2	2.1
						1.0	0.4	135	23.8		8.1		25.9		89.9		6.6		9.6		12		75				<0.2		2.2	
					Middle	6.8	0.2	125	23.7	23.7	8.1	8.1	28.5	28.5	91.5	91.5	6.6		13.1		14		76				<0.2		1.8	
						6.8	0.2	133	23.7		8.1		28.5		91.5		6.6		13.1		13		76				<0.2		1.8	
					Bottom	12.6	0.1	117	23.5	23.5	8.1	8.1	28.6	28.6	92.0	92.1	6.6	6.6	15.4		16		77				<0.2		2.6	
						12.6	0.1	124	23.5		8.1		28.6		92.1		6.6		15.4		16		78				<0.2		2.2	
C3	Cloudy	Moderate	15:33	12.5	Surface	1.0	0.8	114	23.7	23.7	8.2	8.2	27.1	27.1	84.1	84.1	6.1	6.1	12.3	12.4	15	17	75	76	817783	822109	<0.2	<0.2	1.7	1.6
						1.0	0.9	124	23.7		8.2		27.1		84.1		6.1		12.3		17		75				<0.2		1.8	
					Middle	6.3	0.4	106	23.4	23.4	8.2	8.2	27.9	27.9	83.1	83.1	6.0		12.7		14		76				<0.2		1.5	
						6.3	0.4	107	23.4		8.2		27.9		83.1		6.0		12.7		16		77				<0.2		1.6	
					Bottom	11.5	0.4	108	23.2	23.2	8.2	8.2	28.7	28.7	83.9	83.9	6.1	6.1	12.3		20		77				<0.2		1.5	
						11.5	0.4	112	23.2		8.2		28.7		83.9		6.1		12.3		22		78				<0.2		1.6	
IM1	Cloudy	Moderate	14:51	8.1	Surface	1.0	0.5	205	24.0	24.0	8.1	8.1	27.5	27.5	97.5	97.5	7.0	6.9	3.7	7.2	9	12	74	76	806475	818351	<0.2	<0.2	1.5	1.4
						1.0	0.5	218	24.0		8.1		27.5		97.5		7.0		3.8		11		75				<0.2		1.3	
					Middle	4.1	0.6	204	23.4	23.4	8.1	8.1	28.3	28.3	93.8	93.8	6.8		7.7		14		76				<0.2		1.4	
						4.1	0.6	205	23.4		8.1		28.3		93.8		6.8		7.9		12		75				<0.2		1.4	
					Bottom	7.1	0.4	212	23.3	23.4	8.1	8.1	29.0	29.0	94.4	94.4	6.8	6.8	9.9		12		77				<0.2		1.3	
						7.1	0.4	232	23.4		8.1		29.0		94.4		6.8		10.1		13		78				<0.2		1.2	
IM2	Cloudy	Moderate	14:28	9.0	Surface	1.0	0.2	172	23.9	23.9	8.1	8.1	28.3	28.3	97.2	97.2	7.0	6.9	5.1	7.5	11	9	75	76	806193	818852	<0.2	<0.2	1.4	1.3
						1.0	0.2	185	23.9		8.1		28.3		97.1		7.0		5.1		10		75				<0.2		1.2	
					Middle	4.5	0.4	178	23.4	23.4	8.1	8.1	29.0	29.0	93.3	93.3	6.7		9.8		9		76				<0.2		1.1	
						4.5	0.4	185	23.4		8.1		29.0		93.3		6.7		9.8		9		75				<0.2		1.3	
					Bottom	8.0	0.2	166	23.4	23.4	8.1	8.1	29.1	29.1	94.5	94.6	6.8	6.8	7.9		7		77				<0.2		1.3	
						8.0	0.3	171	23.4		8.1		29.0		94.6		6.8		7.5		6		77				<0.2		1.3	
IM3	Cloudy	Moderate	14:13	9.1	Surface	1.0	0.2	230	24.0	24.0	8.1	8.1	28.7	28.7	95.6	95.6	6.8	6.8	7.0	7.2	10	13	75	76	806010	819411	<0.2	<0.2	1.2	1.2
						1.0	0.2	235	24.0		8.1		28.7		95.6		6.8		7.1		9		75				<0.2		1.1	
					Middle	4.6	0.2	195	23.6	23.6	8.1	8.1	28.9	28.9	94.4	94.4	6.8		7.1		16		75				<0.2		1.2	
						4.6	0.2	204	23.6		8.1		28.9		94.4		6.8		7.2		16		76				<0.2		1.2	
					Bottom	8.1	0.2	183	23.6	23.6	8.1	8.1	28.9	28.9	94.5	94.6	6.8	6.8	7.3		13		77				<0.2		1.1	
						8.1	0.2	194	23.6		8.1		28.9		94.6		6.8		7.2		12		78				<0.2		1.3	
IM4	Cloudy	Moderate	14:06	8.6	Surface	1.0	0.3	168	23.8	23.8	8.1	8.1	28.6	28.6	92.9	92.9	6.7	6.7	12.5	13.1	11	17	75	76	805057	819570	<0.2	<0.2	1.2	1.2
						1.0	0.3	174	23.7		8.1		28.6		92.9		6.7		12.4		12		76				<0.2		1.2	
					Middle	4.3	0.2	183	23.4	23.4	8.1	8.1	29.0	29.0	92.5	92.6	6.7		13.1		20		76				<0.2		1.0	
						4.3	0.3	191	23.4		8.1		29.0		92.6		6.7		13.2		18		76				<0.2		1.3	
					Bottom	7.6	0.2	195	23.4	23.4	8.1	8.1	29.2	29.2	93.8	93.9	6.8	6.8	13.5		20		77				<0.2		1.2	
						7.6	0.2	199	23.4		8.1		29.2		94.0		6.8		14.0		18		77				<0.2		1.1	
IM5	Cloudy	Moderate	13:57	7.8	Surface	1.0	0.2	130	23.8	23.8	8.1	8.1	28.4	28.4	93.3	93.3	6.7	6.7	9.9	16.9	12	15	74	76	804910	820564	<0.2	<0.2	1.1	1.2
						1.0	0.2	137	23.8		8.1		28.4		93.2		6.7		9.7		14		75				<0.2		1.2	
					Middle	3.9	0.2	136	23.4	23.4	8.1	8.1	28.7	28.7	91.2	91.2	6.6		15.9		14		75				<0.2		1.2	
						3.9	0.2	142	23.4		8.1		28.7		91.2		6.6		16.1		16		76				<0.2		1.3	
					Bottom	6.8	0.2	144	23.4	23.4	8.1	8.1	29.0	29.0	91.2	91.2	6.6	6.6	24.8		16		77				<0.2		1.1	
						6.8	0.2	144	23.4		8.1		29.0		91.2		6.6		24.9		16		78				<0.2		1.3	
IM6	Cloudy	Moderate	13:47	7.3	Surface	1.0	0.2	165	23.9	23.9	8.1	8.1	28.3	28.3	92.5	92.5	6.6	6.6	9.6	9.6	12	14	75	76	805810	821060	<0.2	<0.2	1.4	1.3
						1.0	0.3	180	23.9		8.1		28.3		92.5		6.6		9.6		13		75				<0.2		1.3	
					Middle	3.7	0.2	164	23.5	23.5	8.1	8.1	28.5	28.5	91.2	91.2	6.6		11.5		14		76				<0.2		1.3	
						3.7	0.3	169	23.5		8.1		28.5		91.2		6.6		11.5		12		76				<0.2		1.2	
					Bottom	6.3	0.2	158	23.5	23.5	8.1	8.1	28.7	28.7	92.8	92.9	6.7	6.7	7.7		16		78				<0.2		1.1	
						6.3	0.2	160	23.5		8.1		28.7		92.9		6.7		7.7		18		78				<0.2		1.3	
IM7	Cloudy	Moderate	13:40	8.8	Surface	1.0	0.3	160	24.0	24.0	8.1	8.1	28.4	28.4	92.6	92.6	6.6	6.6	10.4	12.5	12	15	75	76	806818	821349	<0.2	<0.2	1.2	1.2
						1.0	0.3	166	24.0		8.1		28.4		92.6		6.6		10.5		14		75				<0.2		1.2	
					Middle	4.4	0.2	162	23.6	23.6	8.1	8.1	28.6	28.6	91.2	91.3	6.6		12.6		13		76				<0.2		1.1	
						4.4	0.3	165	23.6		8.1		28.6		91.3		6.6		12.7		12		76				<0.2		1.2	
					Bottom	7.8	0.1	161	23.5	23.5	8.1	8.1	28.8	28.8	92.6	92.6	6.7	6.7	14.3		19		77				<0.2		1.2	
						7.8	0.1	175	23.5		8.1		28.8		92.6		6.7		14.5		19		77				<0.2		1.3	
IM8	Cloudy	Moderate	13:42	8.8	Surface	1.0	0.3	153	23.6	23.6	8.1	8.1	25.5	25.5	88.6	88.6	6.5	6.5	11.7	12.9	13	15	75	76	807841	821695	<0.2	<0.2	1.8	1.6
						1.0	0.3	157	23.6		8.1		25.5		88.6		6.5		11.9		15		74				<0.2		1.9	
					Middle	4.4	0.3	92	23.5	23.5	8.1	8.1	28.4	28.4	88.8	88.8	6.4		14.7		13		75				<0.2		1.5	
						4.4	0.3	93	23.5		8.1		28.4		88.8		6.4		14.8		14		76				<0.2		1.5	
					Bottom	7.8	0.3	72	23.6	23.6	8.1	8.1	28.3	28.3	87.9	87.9	6.3	6.3	12.2		19		76				<0.2		1.6	
						7.8	0.3	76	23.6		8.1		28.3		87.9		6.3		12.2		17		77				<0.2		1.3	

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

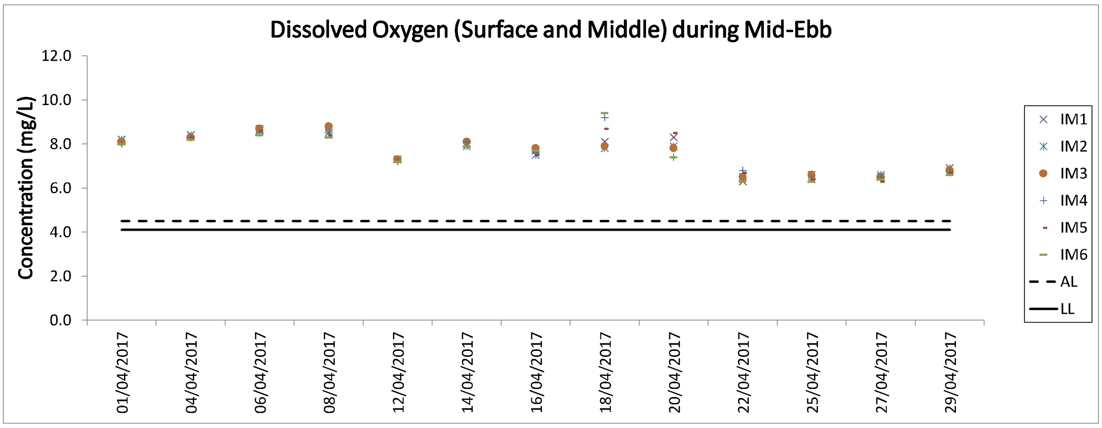
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 April 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	14:06	8.6	Surface	1.0	0.5	113	24.0	24.0	8.3	8.3	27.1	27.1	89.1	89.1	6.4	6.4	14.7	15.3	12	14	75	76	808801	822094	<0.2	<0.2	1.6	1.5
						1.0	0.6	114	24.0		8.3		27.1		89.1		6.4		14.7		10		75				<0.2		1.6	
					Middle	4.3	0.5	85	23.7	23.7	8.3	8.3	27.5	27.5	88.7	88.7	6.4		17.7		15		76				<0.2		1.6	
						4.3	0.5	86	23.7		8.3		27.5		88.7		6.4		17.7		13		76				<0.2		1.4	
					Bottom	7.6	0.4	68	23.8	23.8	8.3	8.3	27.7	27.7	89.2	89.2	6.4	6.4	13.4		16		77				<0.2		1.5	
						7.6	0.4	70	23.8		8.3		27.7		89.2		6.4		13.4		16		77				<0.2		1.5	
IM10	Cloudy	Moderate	14:11	9.2	Surface	1.0	0.6	113	23.9	23.9	8.3	8.3	27.2	27.2	89.2	89.2	6.4	6.5	14.8	14.1	11	11	75	76	809840	822240	<0.2	<0.2	1.8	1.6
						1.0	0.7	123	23.9		8.3		27.2		89.2		6.4		14.8		10		75				<0.2		1.8	
					Middle	4.6	0.5	88	23.7	23.7	8.3	8.3	27.6	27.6	89.4	89.4	6.5		15.3		10		76				<0.2		1.5	
						4.6	0.5	95	23.7		8.3		27.6		89.4		6.5		15.3		11		76				<0.2		1.6	
					Bottom	8.2	0.4	78	23.7	23.7	8.3	8.3	28.2	28.2	89.5	89.5	6.4	6.4	12.3		12		77				<0.2		1.4	
						8.2	0.4	83	23.7		8.3		28.2		89.5		6.4		12.3		14		77				<0.2		1.3	
IM11	Cloudy	Moderate	14:18	7.9	Surface	1.0	0.6	116	23.9	23.9	8.3	8.3	27.2	27.2	89.2	89.2	6.4	6.5	14.7	15.1	11	14	74	76	810537	821501	<0.2	<0.2	2.0	1.9
						1.0	0.6	121	23.9		8.3		27.2		89.2		6.4		14.7		10		75				<0.2		2.0	
					Middle	4.0	0.6	98	23.8	23.8	8.2	8.2	27.3	27.3	89.4	89.4	6.5		15.5		10		75				<0.2		2.2	
						4.0	0.7	106	23.8		8.2		27.3		89.4		6.5		15.5		11		76				<0.2		2.1	
					Bottom	6.9	0.4	81	23.7	23.7	8.3	8.3	28.2	28.2	89.3	89.3	6.4	6.4	15.1		20		77				<0.2		1.8	
						6.9	0.5	83	23.7		8.3		28.2		89.3		6.4		15.1		21		77				<0.2		1.5	
IM12	Cloudy	Moderate	14:24	8.7	Surface	1.0	0.5	117	23.9	23.9	8.3	8.3	27.2	27.2	88.8	88.8	6.4	6.4	14.8	15.1	8	12	75	76	811534	821162	<0.2	<0.2	1.9	1.9
						1.0	0.5	123	23.9		8.3		27.2		88.8		6.4		14.9		10		75				<0.2		1.8	
					Middle	4.4	0.5	101	23.7	23.7	8.2	8.2	27.4	27.4	88.8	88.8	6.4		15.9		9		76				<0.2		1.9	
						4.4	0.5	104	23.7		8.2		27.4		88.8		6.4		15.9		10		76				<0.2		2.1	
					Bottom	7.7	0.4	80	23.7	23.7	8.3	8.3	27.8	27.8	88.5	88.5	6.4	6.4	14.5		16		78				<0.2		1.7	
						7.7	0.5	82	23.7		8.3		27.8		88.5		6.4		14.5		18		78				<0.2		1.7	
IM13	-	-	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
SR2	Cloudy	Moderate	15:01	4.5	Surface	1.0	0.6	112	23.6	23.6	8.2	8.2	27.9	27.9	87.2	87.2	6.3	6.3	14.6	14.2	12	13	76	77	814170	821463	<0.2	<0.2	1.2	1.4
						1.0	0.7	113	23.6		8.2		27.9		87.2		6.3		14.6		14		76				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	3.5	0.4	147	23.7	23.7	8.2	8.2	27.9	27.9	87.1	87.1	6.3	6.3	13.8		14		78				<0.2		1.5	
						3.5	0.4	147	23.7		8.2		27.9		87.1		6.3		13.8		13		77				<0.2		1.5	
SR3	Cloudy	Moderate	13:37	9.7	Surface	1.0	0.3	150	23.5	23.5	8.1	8.1	25.9	25.9	88.5	88.5	6.5	6.5	11.2	12.6	9	15		-	807574	822147	-	-	-	-
						1.0	0.3	160	23.5		8.1		25.9		88.5		6.5		11.3		8						-		-	
					Middle	4.9	0.4	108	23.6	23.6	8.1	8.1	28.0	28.0	90.3	90.3	6.5		13.7		16						-		-	
						4.9	0.4	118	23.5		8.1		28.0		90.3		6.5		13.7		18						-		-	
					Bottom	8.7	0.3	84	23.5	23.5	8.1	8.1	28.4	28.4	90.8	90.8	6.6	6.6	12.7		17						-		-	
						8.7	0.3	86	23.5		8.1		28.4		90.8		6.6		12.7		19						-		-	
SR4A	Cloudy	Moderate	15:07	10.7	Surface	1.0	0.4	75	24.3	24.3	8.1	8.1	27.1	27.1	95.9	95.9	6.9	6.8	8.7	13.0	9	12		-	807829	817189	-	-	-	-
						1.0	0.4	78	24.3		8.1		27.1		95.8		6.9		8.7		11						-		-	
					Middle	5.4	0.3	70	23.9	23.9	8.1	8.1	27.4	27.4	93.4	93.4	6.7		12.4		8						-		-	
						5.4	0.3	73	23.9		8.1		27.4		93.4		6.7		12.3		9						-		-	
					Bottom	9.7	0.2	76	23.6	23.6	8.1	8.1	27.9	27.9	93.6	93.7	6.8	6.8	17.9		17						-		-	
						9.7	0.2	76	23.6		8.1		27.9		93.7		6.8		18.1		15						-		-	
SR5A	Cloudy	Moderate	16:09	5.6	Surface	1.0	0.1	99	24.6	24.6	8.1	8.1	27.6	27.6	95.9	95.9	6.8	6.8	7.3	6.6	11	11		-	810703	816593	-	-	-	-
						1.0	0.1	100	24.6		8.1		27.6		95.8		6.8		7.5		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.6	0.1	131	24.0	24.0	8.1	8.1	27.8	27.8	94.8	94.9	6.8	6.8	5.8		13						-		-	
						4.6	0.1	131	24.0		8.1		27.8		94.9		6.8		5.8		11						-		-	
SR6	Cloudy	Moderate	16:30	5.4	Surface	1.0	0.1	136	24.2	24.2	8.1	8.1	27.7	27.7	94.6	94.6	6.8	6.8	8.2	8.5	9	10		-	814675	817899	-	-	-	-
						1.0	0.1	147	24.2		8.1		27.7		94.5		6.8		8.2		9						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.4	0.1	108	24.0	24.0	8.1	8.1	27.8	27.8	94.1	94.2	6.8	6.8	8.8		10						-		-	
						4.4	0.1	109	24.0		8.1		27.8		94.2		6.8		8.7		11						-		-	
SR7	Cloudy	Moderate	16:03	16.8	Surface	1.0	1.2	86	23.8	23.8	8.0	8.0	27.1	27.1	86.1	86.1	6.2	6.2	6.9	7.8	8	11		-	823758	823636	-	-	-	-
						1.0	1.2	91	23.8		8.0		27.1		86.1		6.2		7.0		6						-		-	
					Middle	8.4	0.8	83	23.5	23.5	8.0	8.0	27.6	27.6	84.1	84.1	6.1		8.3		10						-		-	
						8.4	0.8	84	23.5		8.0		27.6		84.1		6.1		8.1		13						-		-	
					Bottom	15.8	0.6	103	23.5	23.5	8.0	8.0	27.7	27.7	85.4	85.5	6.2	6.2	8.2		13						-		-	
						15.8	0.7	104	23.5		8.0		27.6		85.5		6.2		8.2		13						-		-	
SR8	Cloudy	Moderate	14:40	5.2	Surface	1.0	0.6	110.0	23.8	23.8	8.2	8.2	26.5	26.5	87.6	87.6	6.4	6.4	12.7	18.7	14	17		-	811579	820417	-	-	-	-
						1.0	0.7	115.0	23.8		8.2		26.5		87.6		6.4		12.9		15						-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-						-		-	
						-	-	-	-		-		-		-		-		-		-						-		-	
					Bottom	4.2	0.3	135.0	23.5	23.5	8.2	8.2	28.1	28.1	87.6	87.6	6.3	6.3	24.5		19						-		-	
						4.2	0.3	138.0	23.5		8.2		28.1		87.6		6.3		24.5		21						-		-	

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)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
27/04/2017
29/04/2017
C1
C2
C3
AL
LL



Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
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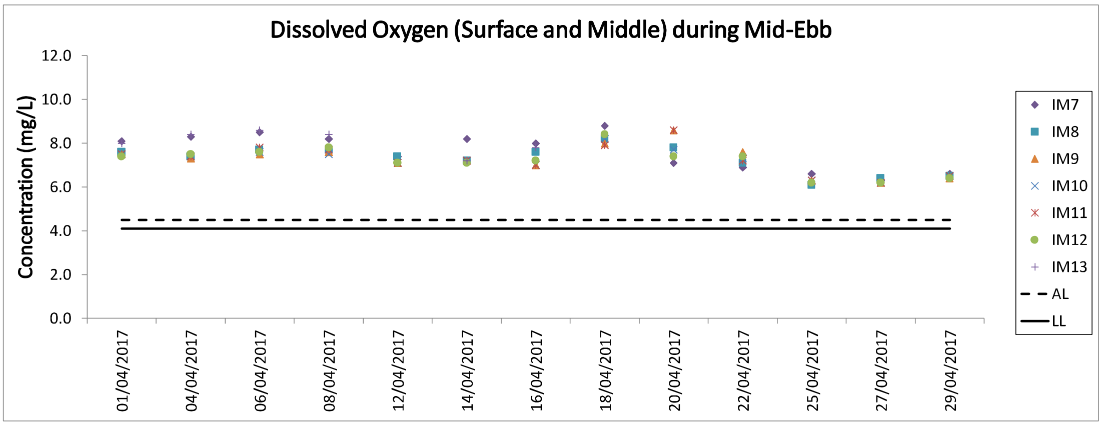
29/04/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL



Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
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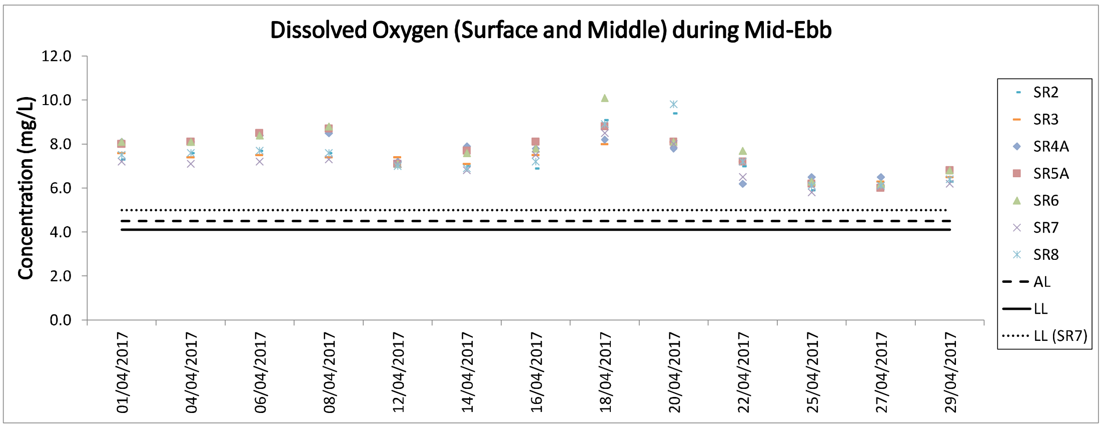
29/04/2017
IM7
IM8
IM9
IM10
IM11
IM12
IM13
AL
LL



Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
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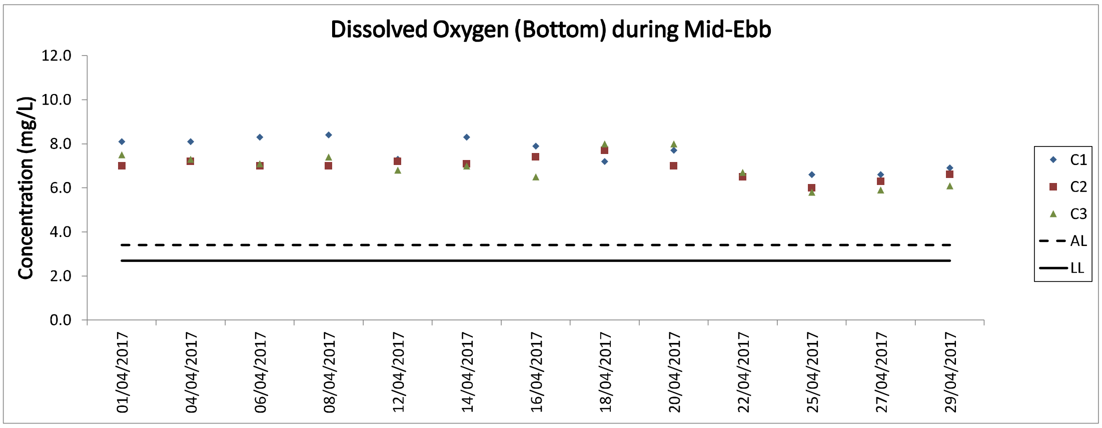
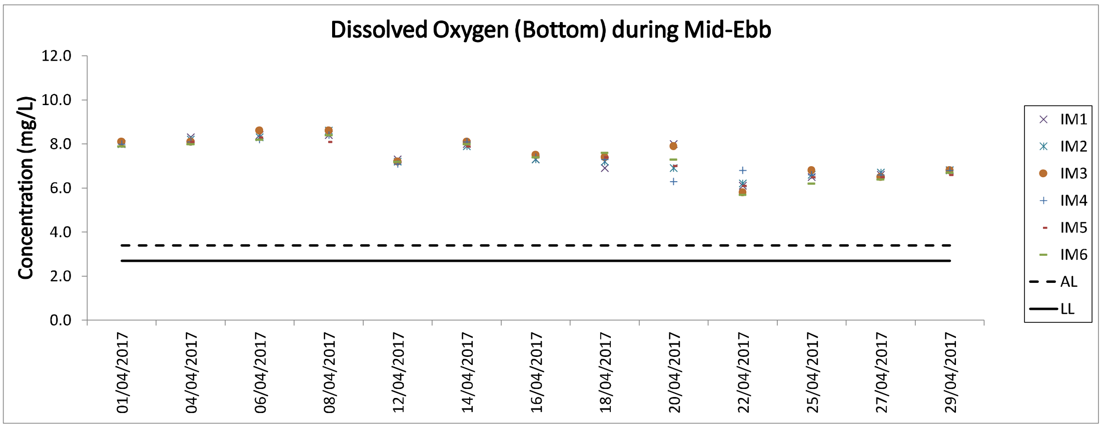
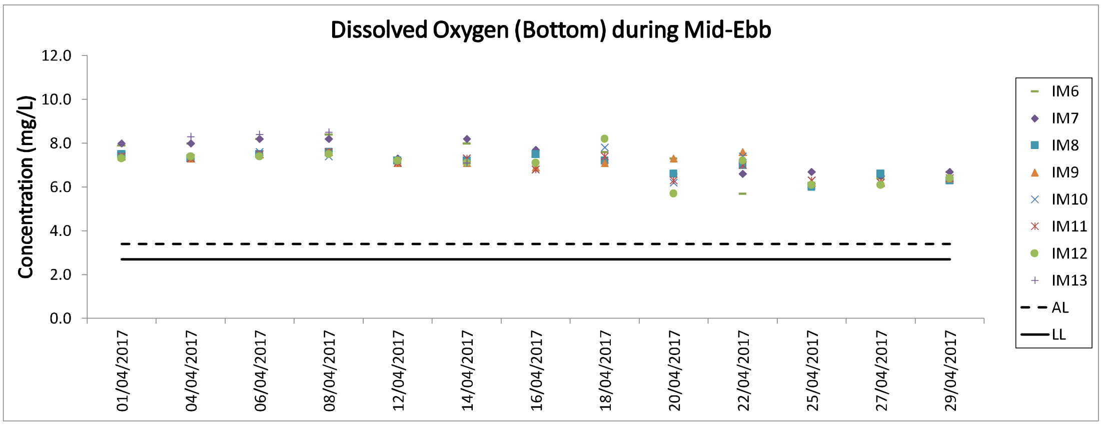
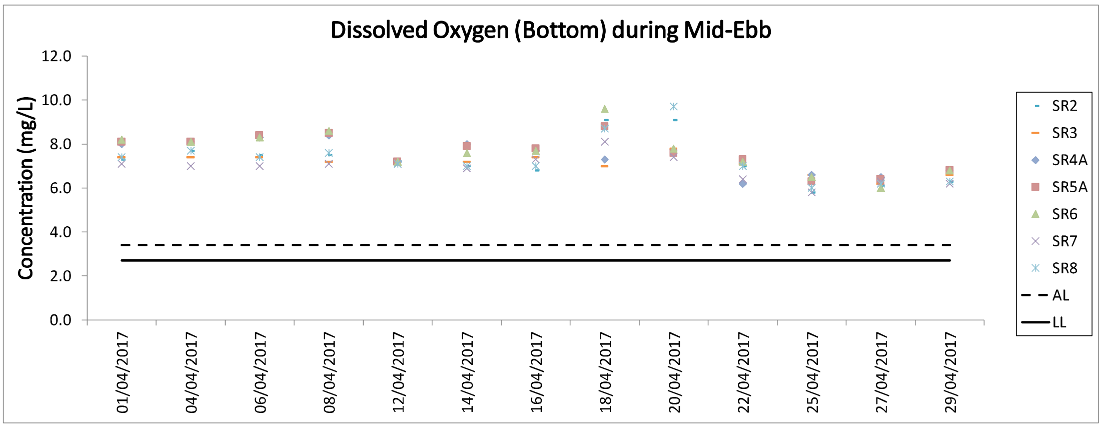
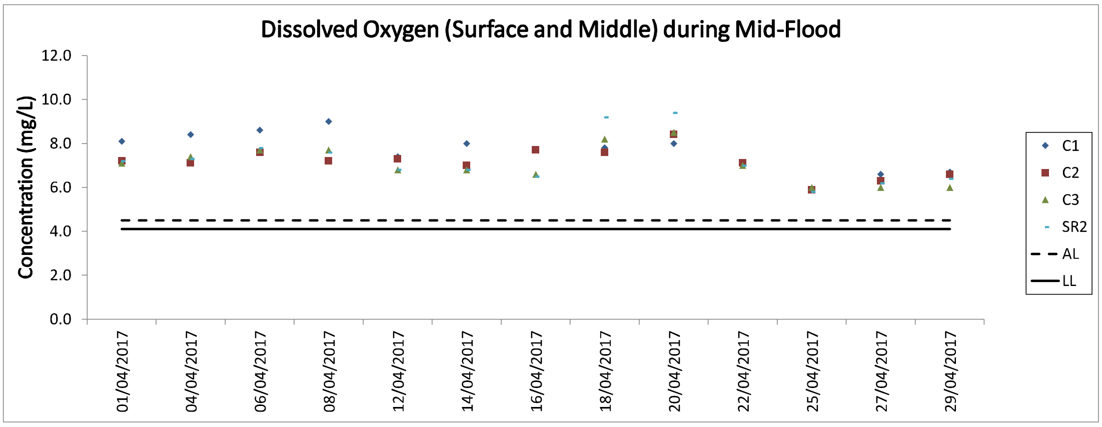
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
C1
C2
C3
AL
LL

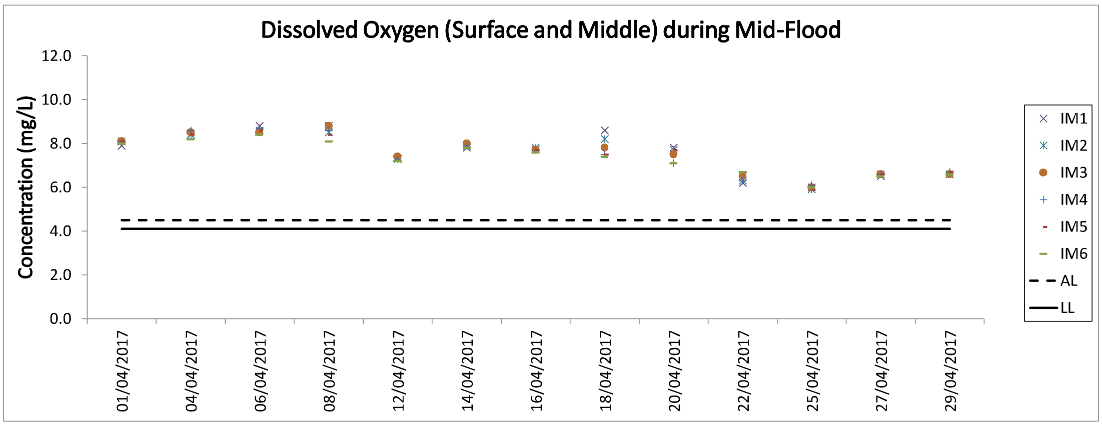

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
IM6
IM7
IM8
IM9
IM10
IM11
IM12
IM13
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL



Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
27/04/2017
29/04/2017
C1
C2
C3
SR2
AL
LL



Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
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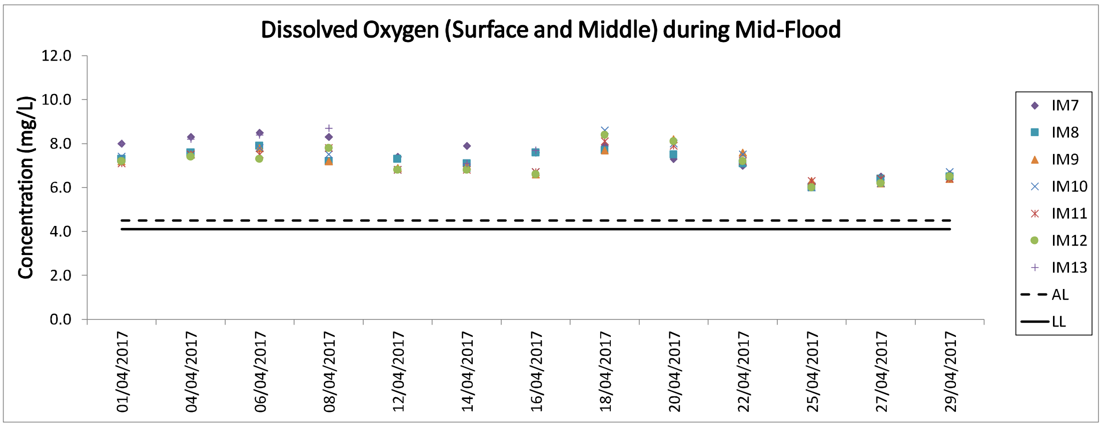
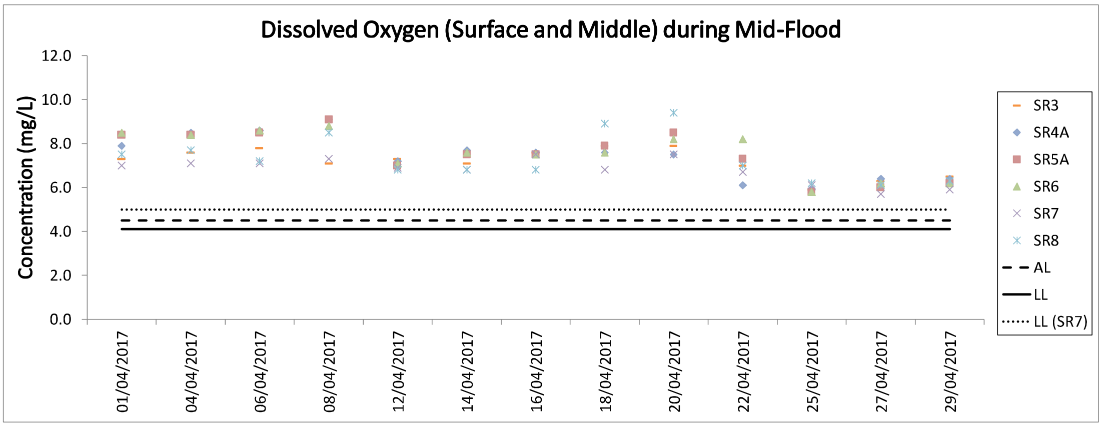
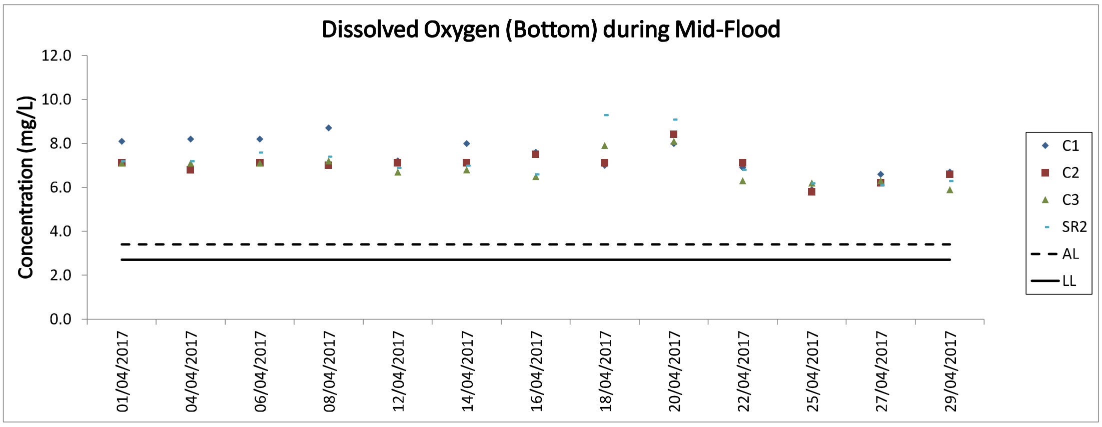
27/04/2017
29/04/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

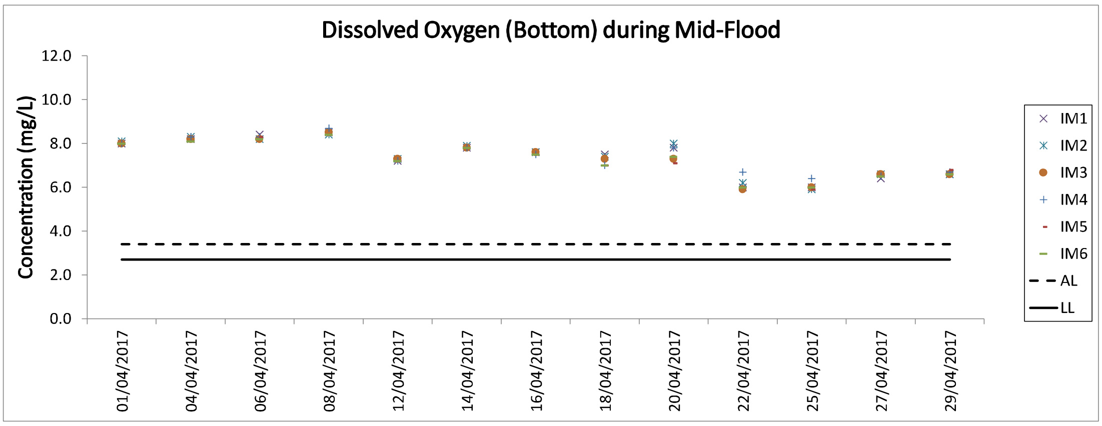


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
27/04/2017
29/04/2017
IM7
IM8
IM9
IM10
IM11
IM12
IM13
AL
LL



Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
27/04/2017
29/04/2017
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
27/04/2017
29/04/2017
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
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
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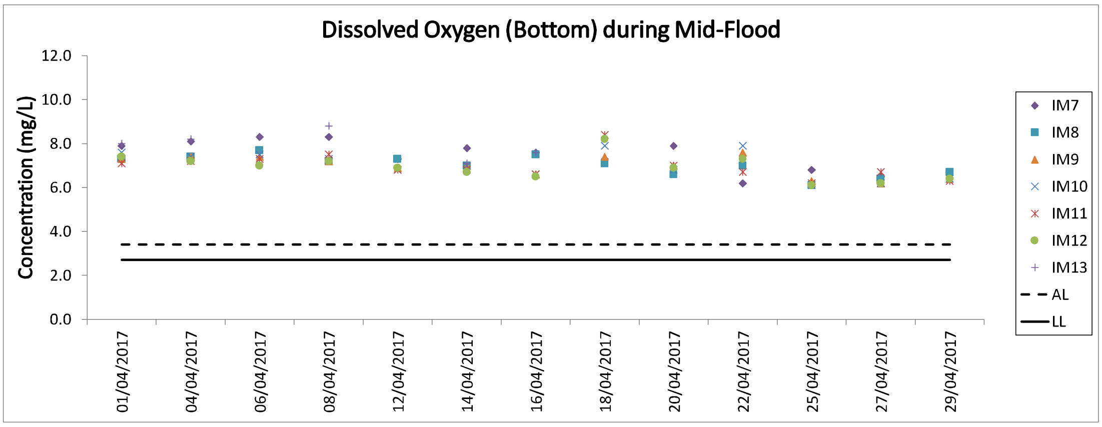
29/04/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
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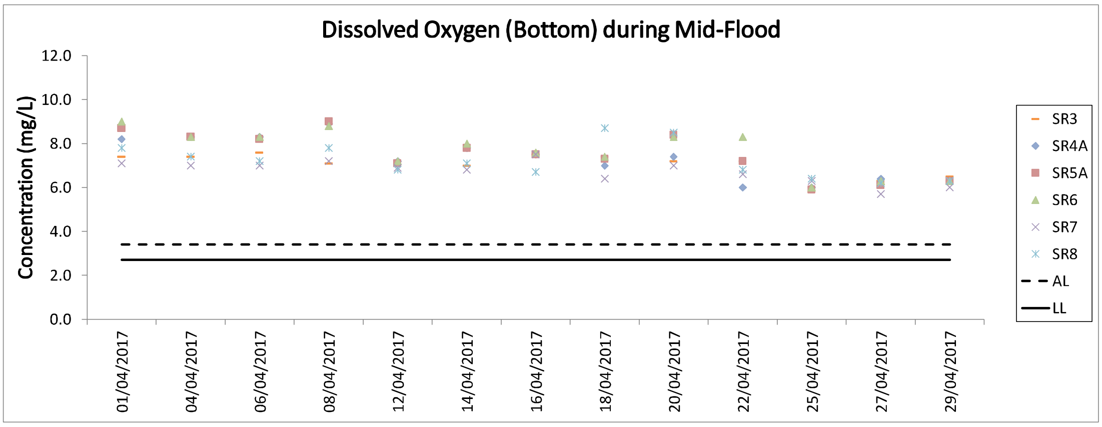
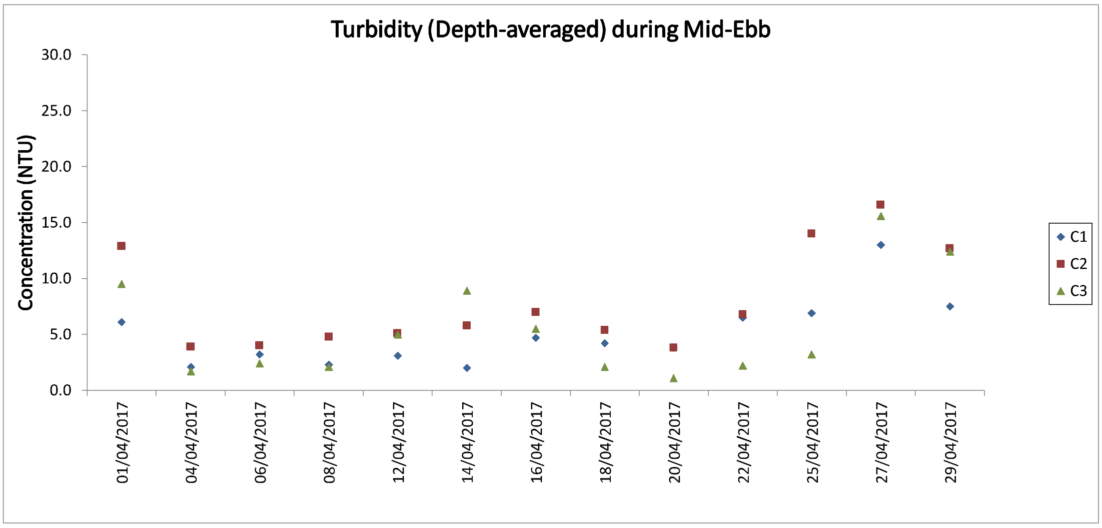
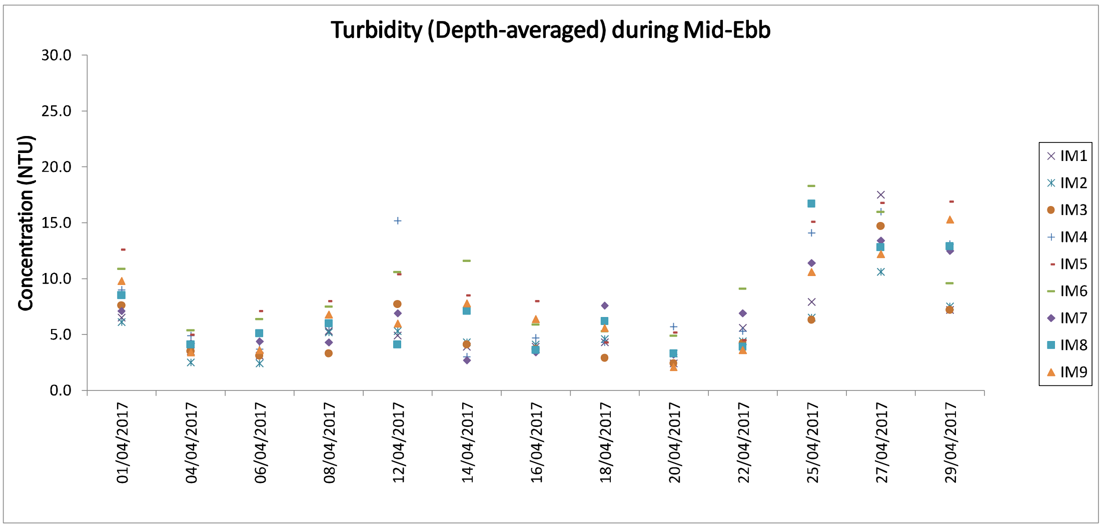
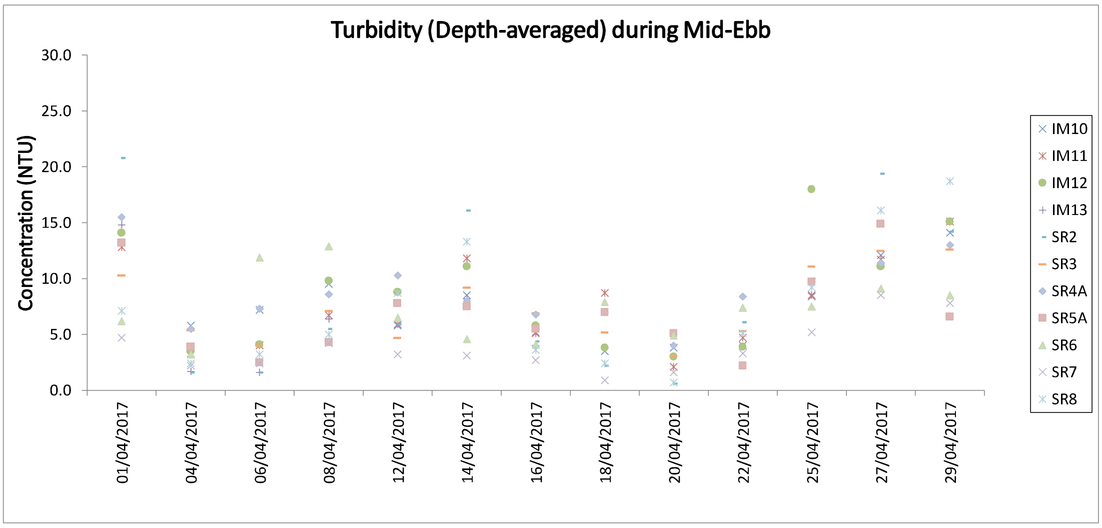
IM7
IM8
IM9
IM10
IM11
IM12
IM13
AL
LL

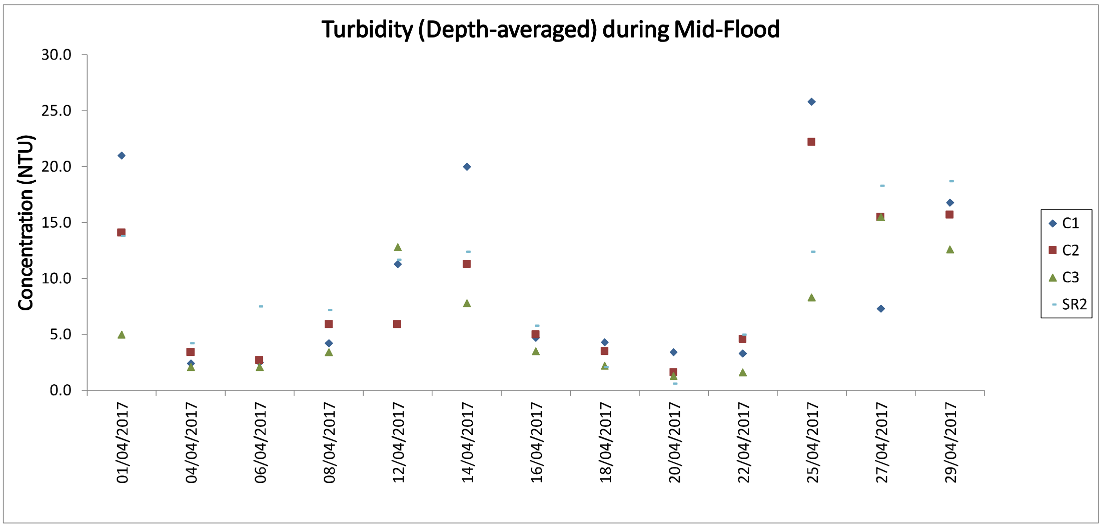

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/04/2017
04/04/2017
06/04/2017
08/04/2017
12/04/2017
14/04/2017
16/04/2017
18/04/2017
20/04/2017
22/04/2017
25/04/2017
27/04/2017
29/04/2017
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

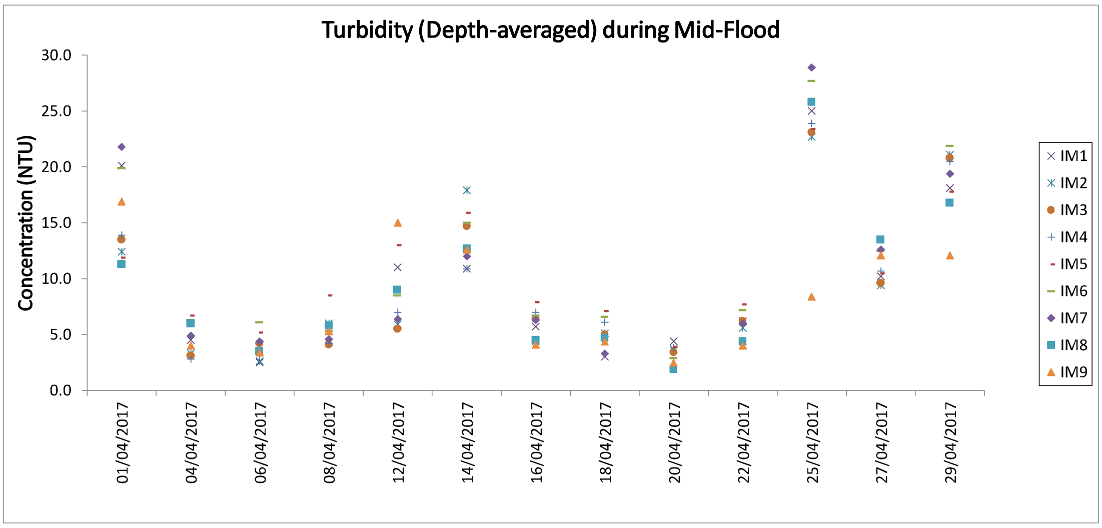


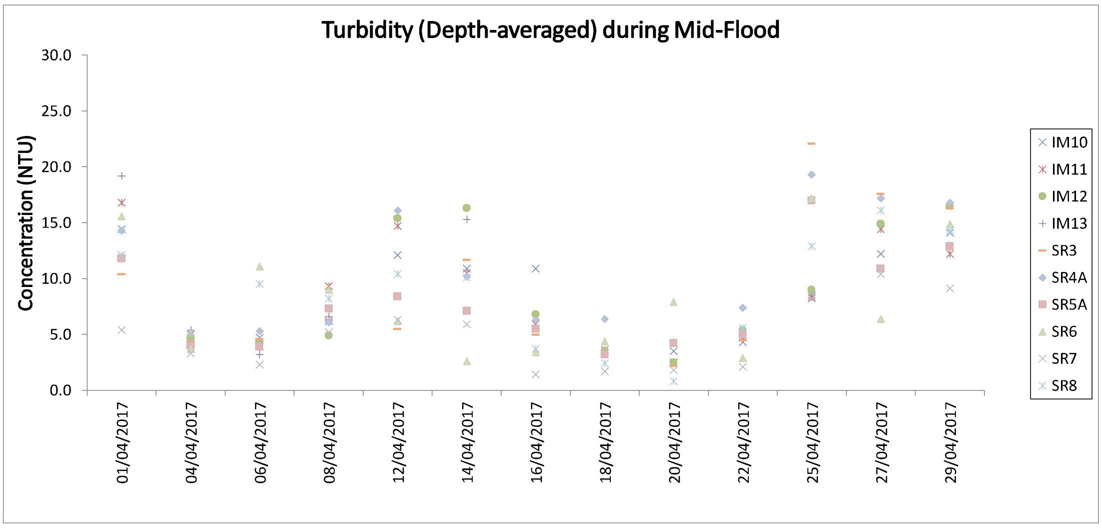




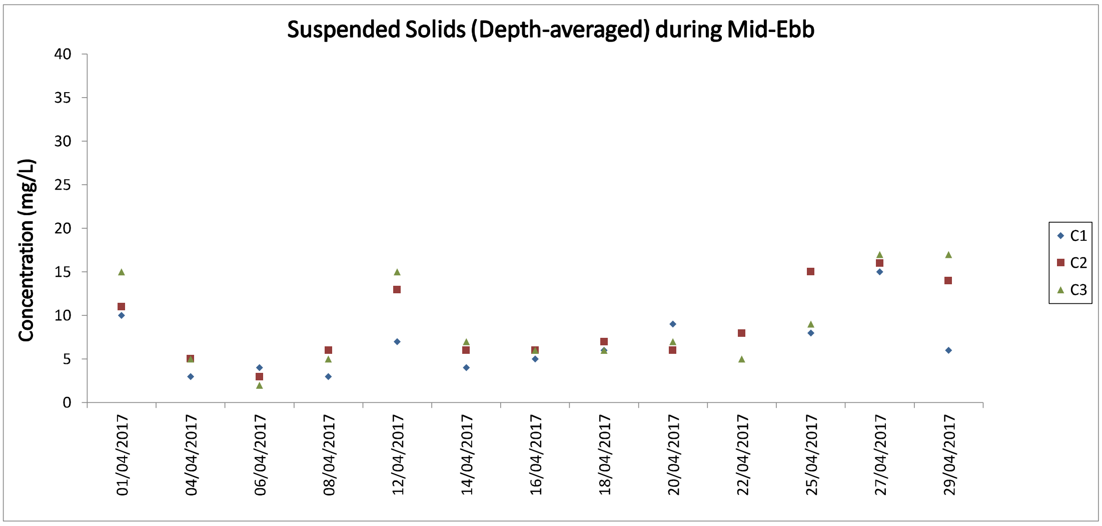
Note: The Action and Limit Level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

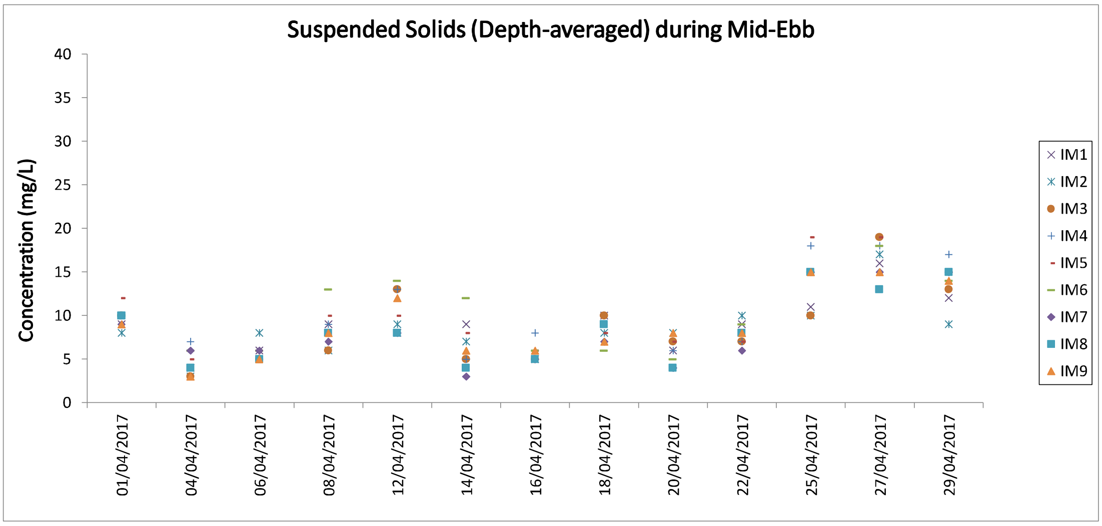


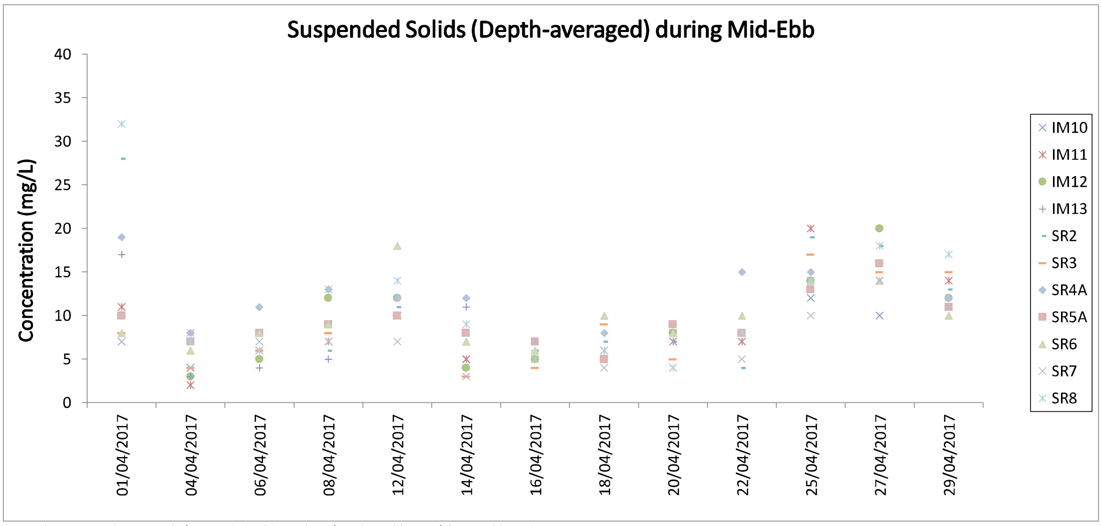




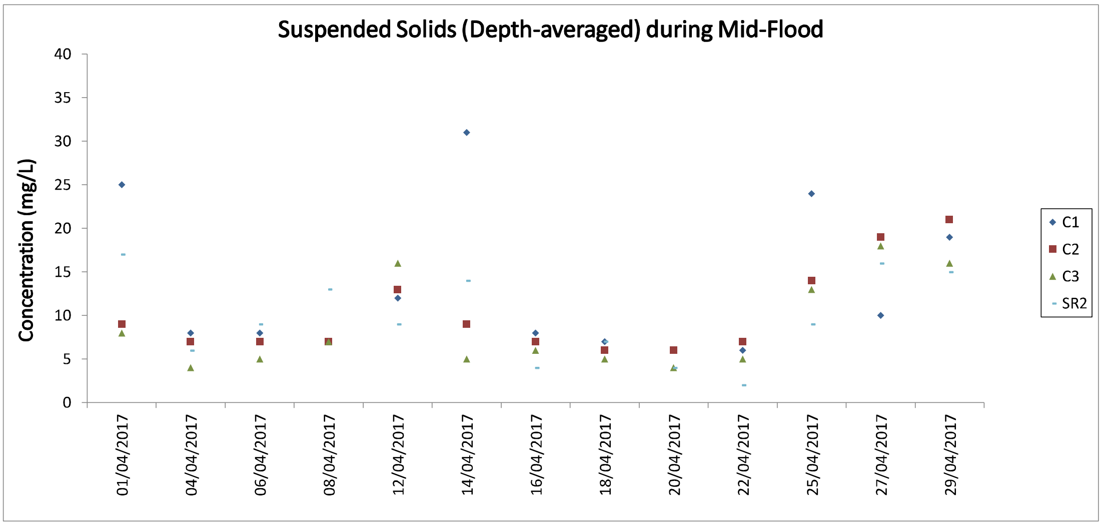
Note: The Action and Limit Level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

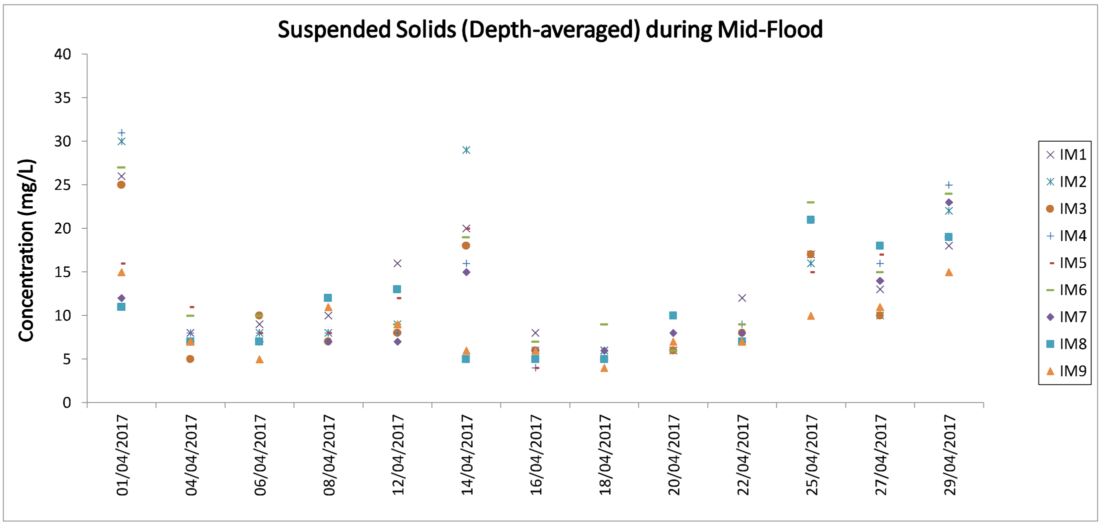


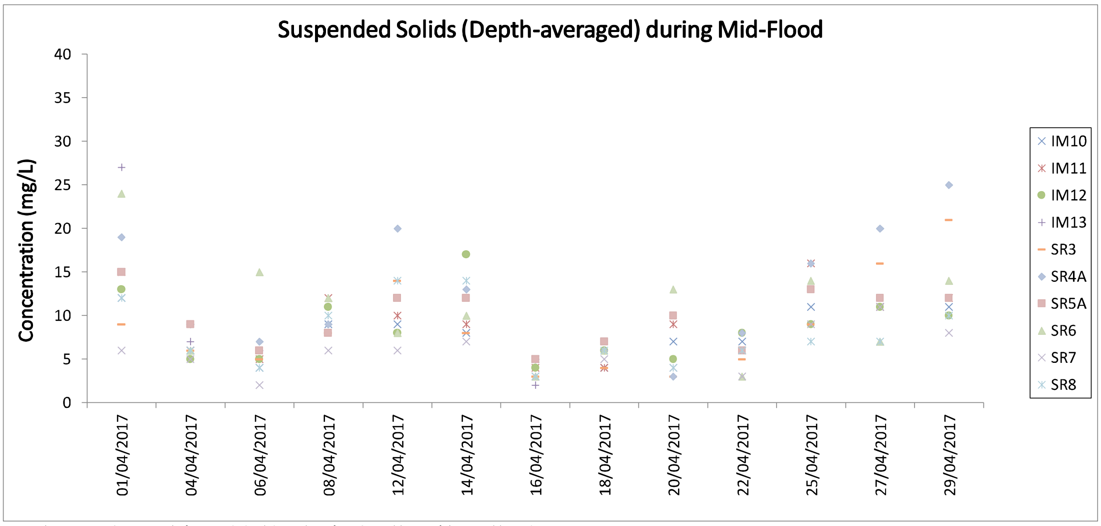




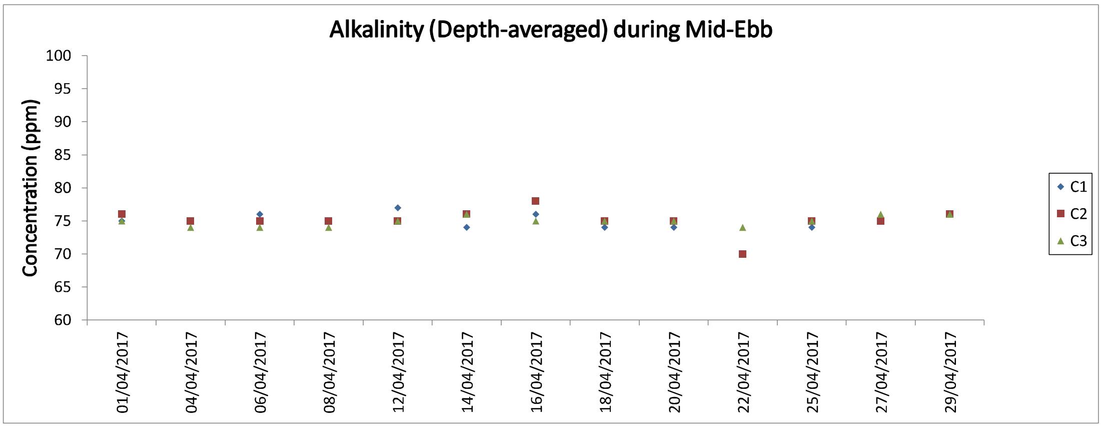
Note: The Action and Limit Level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.

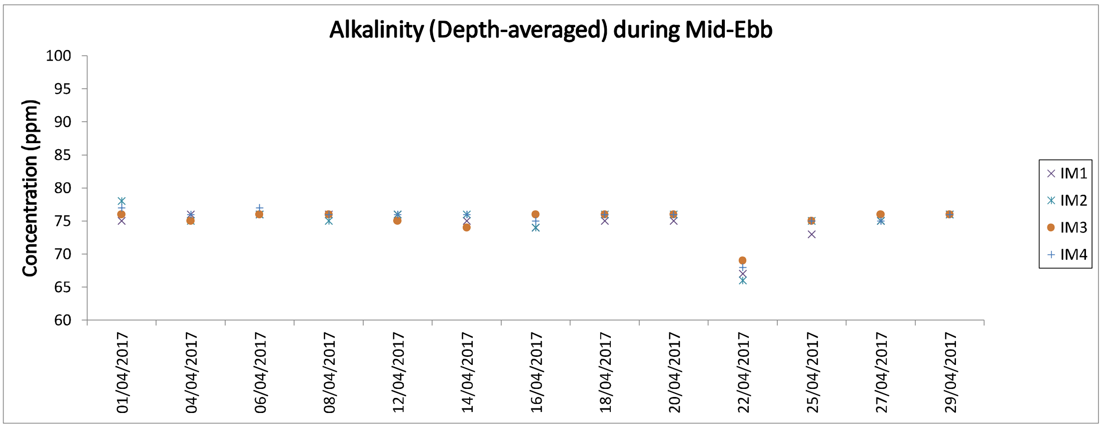


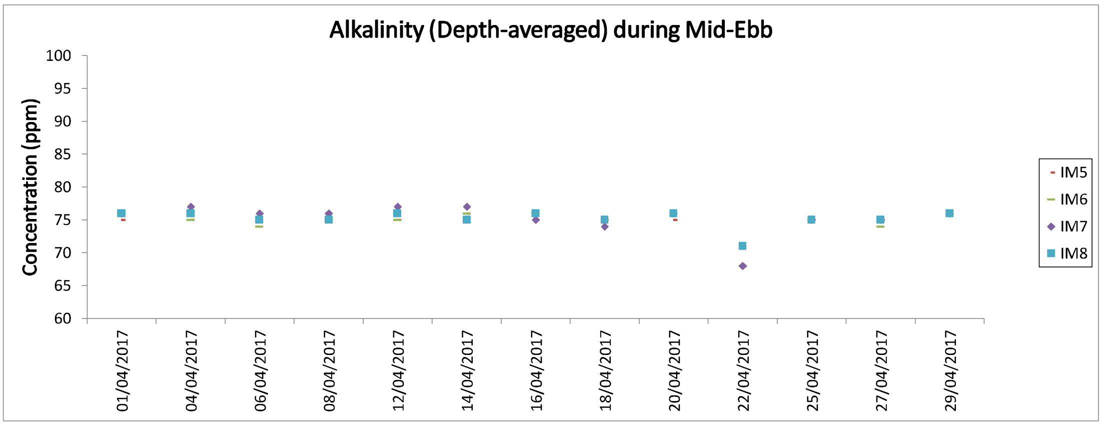


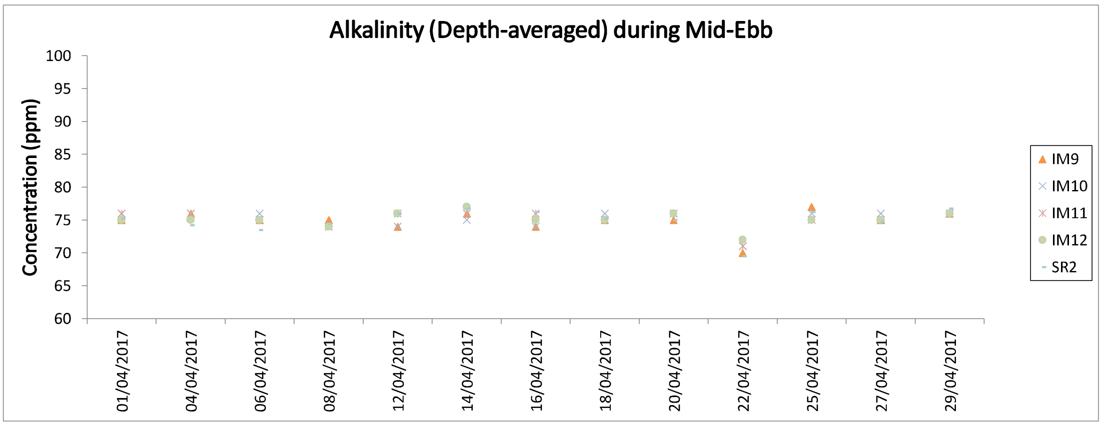


Note: The Action and Limit Level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.

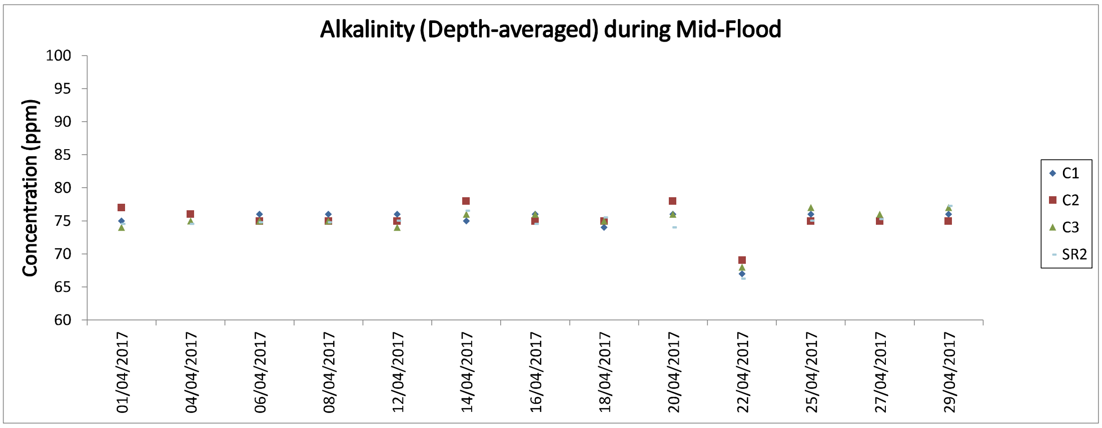


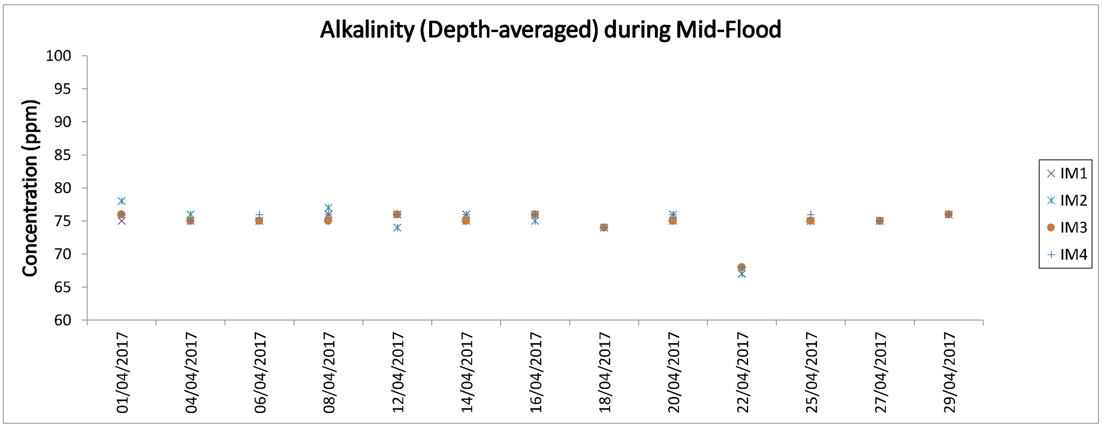


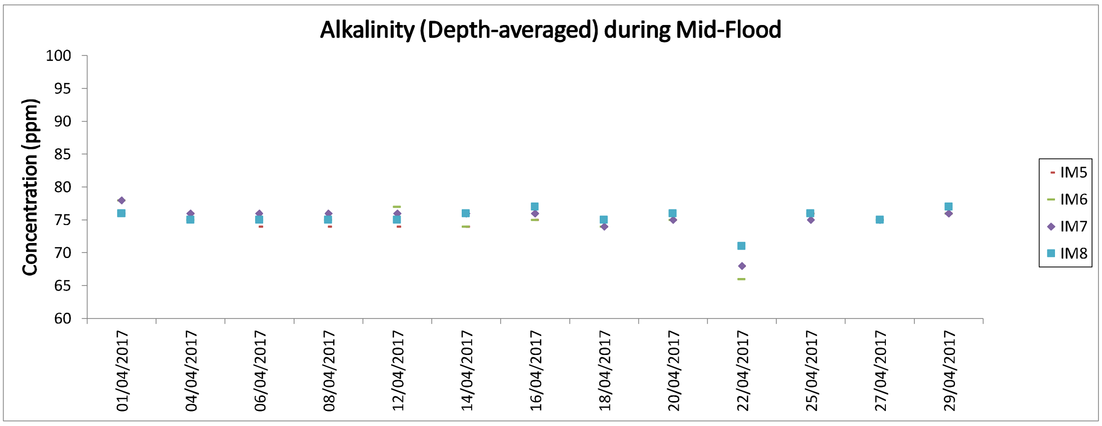


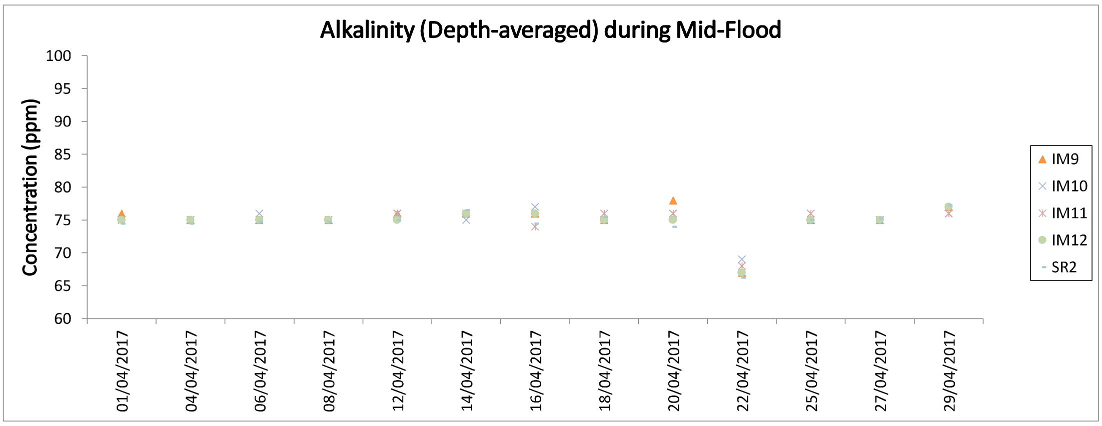


Note: The Action and Limit Level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.

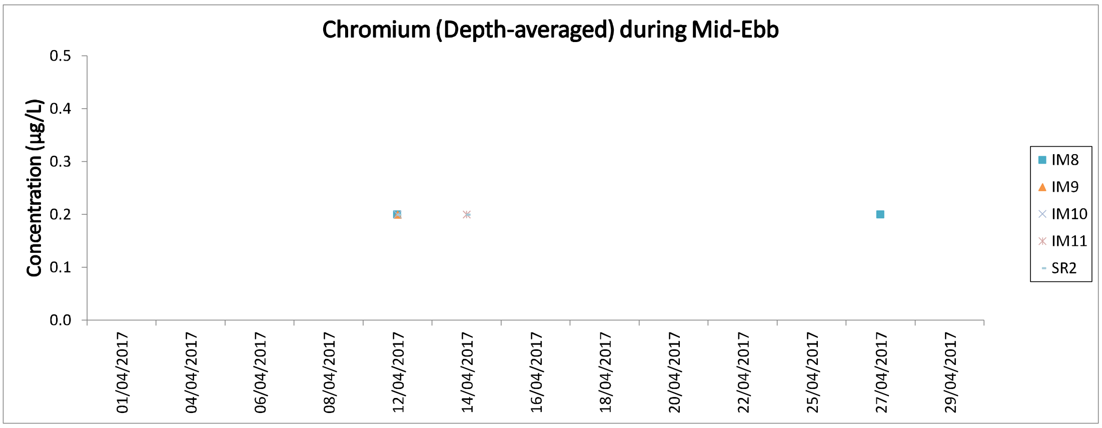


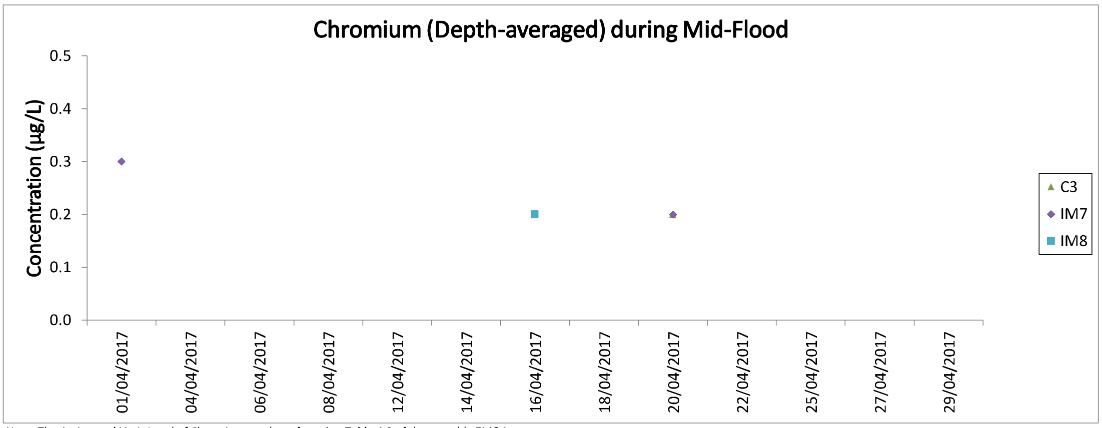




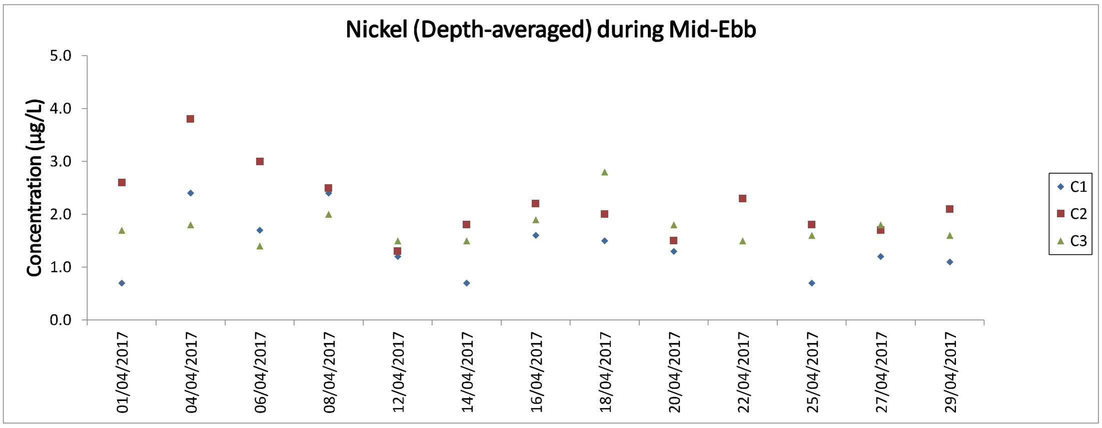


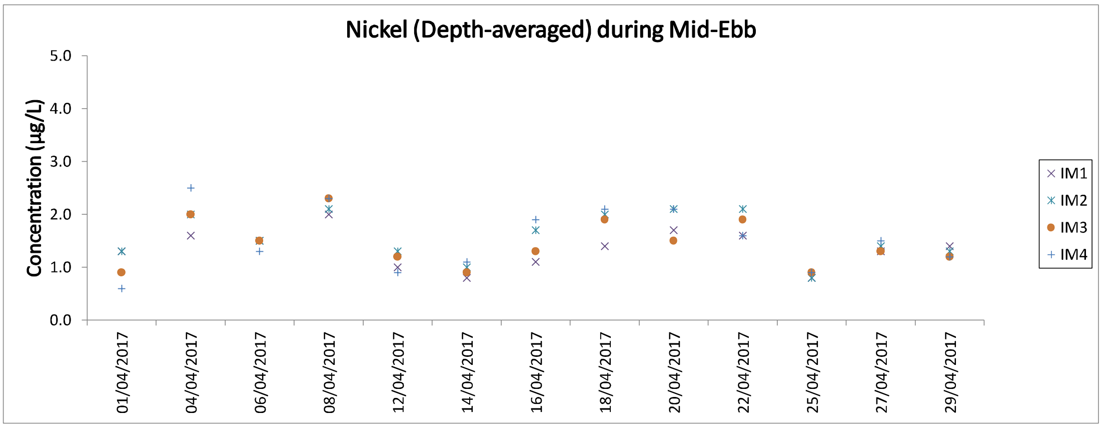
Note: The Action and Limit Level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.

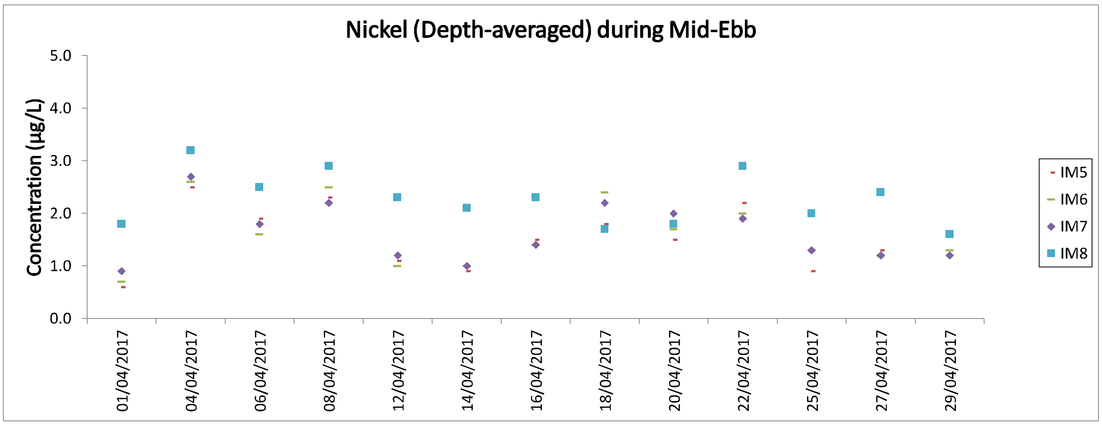


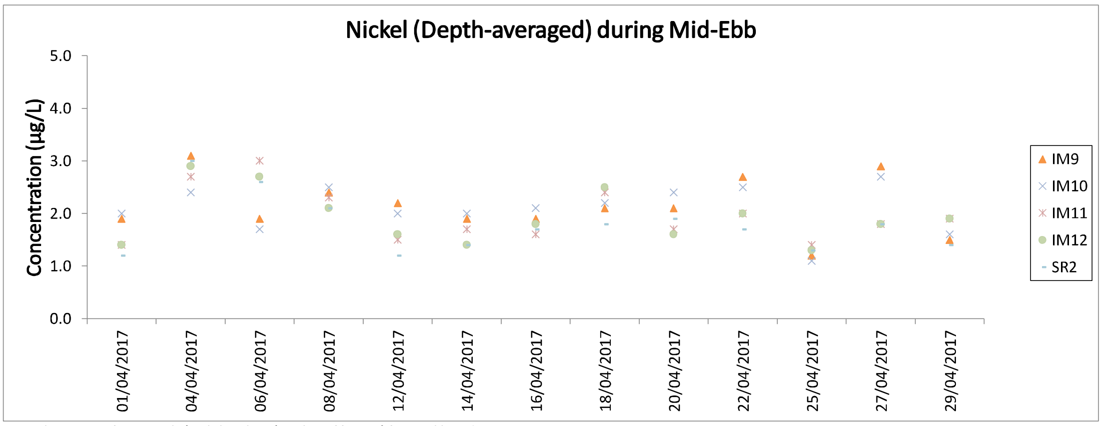


Note: The Action and Limit Level of Chromium can be referred to Table 4.2 of the monthly EM&A report.
The monitoring results of Chromium not presented in the graphs were below the reporting limit 0.2 µg/L.
The impact monitoring results of Chromium at all monitoring stations can be referred to Appendix E of the monthly EM&A report.

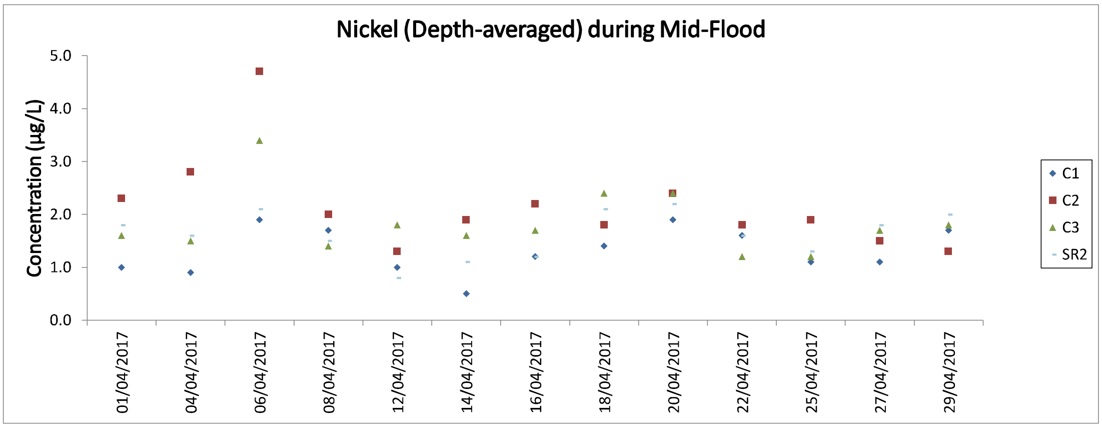


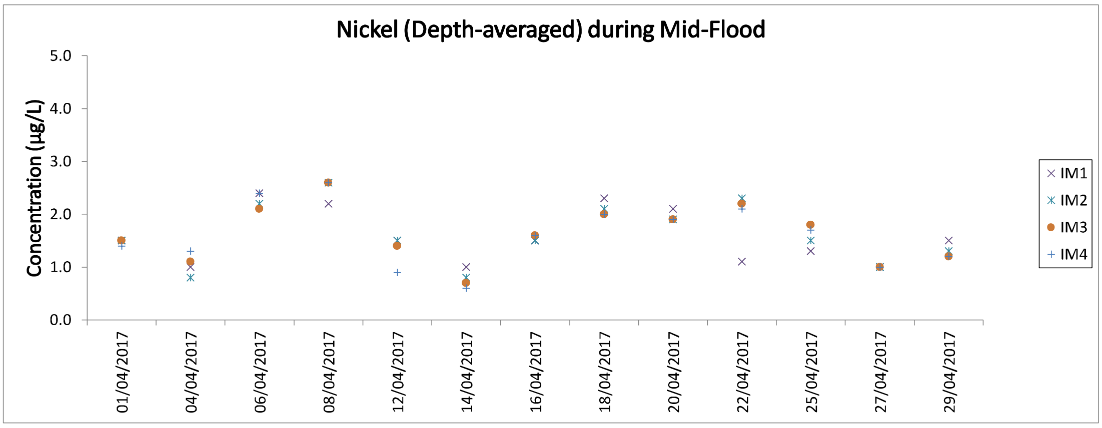


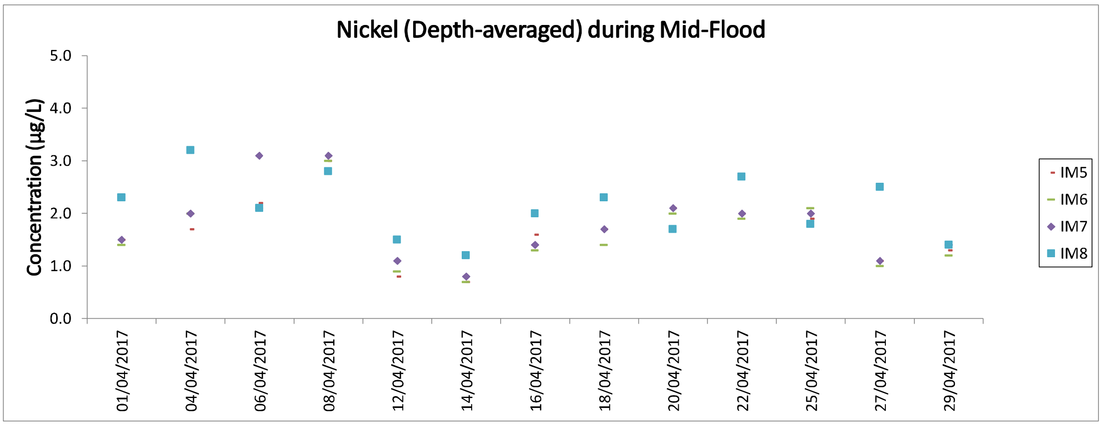


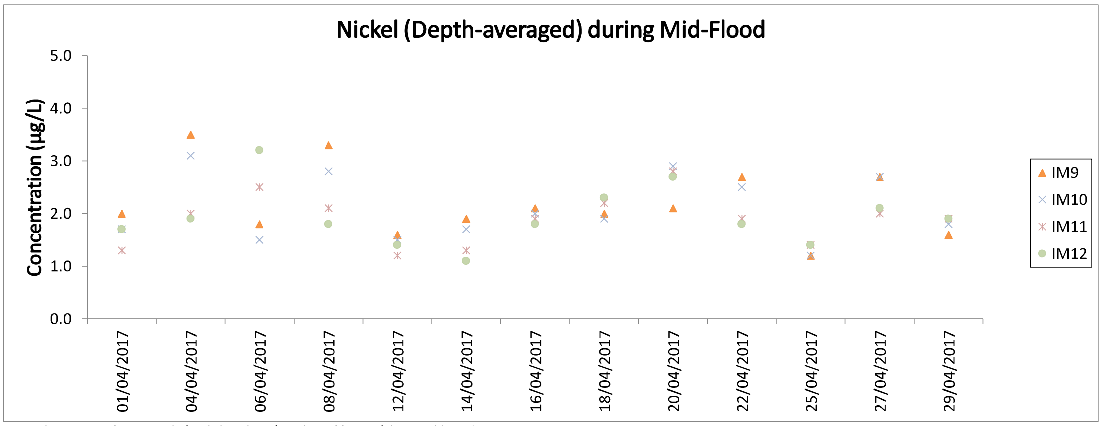


Note: The Action and Limit Level of Nickel can be referred to Table 4.2 of the monthly EM&A report.









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

Chinese White Dolphin Monitoring Results

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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
06-Feb-17	AW	2	2.94	WINTER	32166	3RS ET
06-Feb-17	AW	3	1.93	WINTER	32166	3RS ET
06-Feb-17	WL	2	17.00	WINTER	32166	3RS ET
06-Feb-17	WL	3	9.79	WINTER	32166	3RS ET
06-Feb-17	WL	4	3.53	WINTER	32166	3RS ET
06-Feb-17	SWL	4	2.54	WINTER	32166	3RS ET
06-Feb-17	SWL	5	4.35	WINTER	32166	3RS ET
07-Feb-17	NEL	2	5.80	WINTER	32166	3RS ET
07-Feb-17	NEL	3	25.76	WINTER	32166	3RS ET
07-Feb-17	NEL	4	11.47	WINTER	32166	3RS ET
07-Feb-17	NEL	5	4.27	WINTER	32166	3RS ET
09-Feb-17	SWL	2	0.90	WINTER	32166	3RS ET
09-Feb-17	SWL	3	14.17	WINTER	32166	3RS ET
09-Feb-17	SWL	4	15.23	WINTER	32166	3RS ET
09-Feb-17	SWL	5	32.40	WINTER	32166	3RS ET
10-Feb-17	NEL	1	3.30	WINTER	32166	3RS ET
10-Feb-17	NEL	2	8.03	WINTER	32166	3RS ET
10-Feb-17	NEL	3	34.17	WINTER	32166	3RS ET
10-Feb-17	NEL	4	2.00	WINTER	32166	3RS ET
16-Feb-17	AW	1	4.73	WINTER	32166	3RS ET
16-Feb-17	WL	1	18.36	WINTER	32166	3RS ET
16-Feb-17	WL	2	3.10	WINTER	32166	3RS ET
16-Feb-17	WL	3	6.07	WINTER	32166	3RS ET
17-Feb-17	SWL	1	37.70	WINTER	32166	3RS ET
17-Feb-17	SWL	2	29.26	WINTER	32166	3RS ET
20-Feb-17	NWL	1	27.20	WINTER	32166	3RS ET
20-Feb-17	NWL	2	48.10	WINTER	32166	3RS ET
21-Feb-17	NWL	3	14.17	WINTER	32166	3RS ET
21-Feb-17	NWL	4	38.72	WINTER	32166	3RS ET
21-Feb-17	NWL	5	21.81	WINTER	32166	3RS ET
06-Mar-17	NWL	1	5.00	SPRING	32166	3RS ET
06-Mar-17	NWL	2	17.10	SPRING	32166	3RS ET
06-Mar-17	NWL	3	50.10	SPRING	32166	3RS ET
06-Mar-17	NWL	4	3.70	SPRING	32166	3RS ET
10-Mar-17	NEL	1	1.00	SPRING	32166	3RS ET
10-Mar-17	NEL	2	11.75	SPRING	32166	3RS ET
10-Mar-17	NEL	3	34.25	SPRING	32166	3RS ET
13-Mar-17	AW	2	4.72	SPRING	32166	3RS ET
13-Mar-17	WL	2	12.18	SPRING	32166	3RS ET
13-Mar-17	WL	3	20.82	SPRING	32166	3RS ET
13-Mar-17	SWL	2	12.50	SPRING	32166	3RS ET
14-Mar-17	SWL	3	22.60	SPRING	32166	3RS ET
14-Mar-17	SWL	4	18.78	SPRING	32166	3RS ET
14-Mar-17	SWL	5	16.02	SPRING	32166	3RS ET
20-Mar-17	SWL	2	36.22	SPRING	32166	3RS ET
20-Mar-17	SWL	3	26.04	SPRING	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
21-Mar-17	AW	1	4.85	SPRING	32166	3RS ET
21-Mar-17	WL	1	9.95	SPRING	32166	3RS ET
21-Mar-17	WL	2	19.08	SPRING	32166	3RS ET
21-Mar-17	WL	3	2.33	SPRING	32166	3RS ET
21-Mar-17	SWL	2	0.38	SPRING	32166	3RS ET
21-Mar-17	SWL	3	6.43	SPRING	32166	3RS ET
23-Mar-17	NWL	1	32.61	SPRING	32166	3RS ET
23-Mar-17	NWL	2	43.77	SPRING	32166	3RS ET
24-Mar-17	NEL	3	27.72	SPRING	32166	3RS ET
24-Mar-17	NEL	4	18.88	SPRING	32166	3RS ET
05-Apr-17	NWL	1	3.00	SPRING	32166	3RS ET
05-Apr-17	NWL	2	38.73	SPRING	32166	3RS ET
05-Apr-17	NWL	3	32.70	SPRING	32166	3RS ET
10-Apr-17	AW	2	1.92	SPRING	32166	3RS ET
10-Apr-17	AW	3	1.09	SPRING	32166	3RS ET
10-Apr-17	AW	4	1.81	SPRING	32166	3RS ET
10-Apr-17	WL	3	24.72	SPRING	32166	3RS ET
10-Apr-17	WL	4	8.88	SPRING	32166	3RS ET
10-Apr-17	SWL	2	8.94	SPRING	32166	3RS ET
10-Apr-17	SWL	3	3.36	SPRING	32166	3RS ET
11-Apr-17	SWL	1	20.09	SPRING	32166	3RS ET
11-Apr-17	SWL	2	32.09	SPRING	32166	3RS ET
11-Apr-17	SWL	3	4.90	SPRING	32166	3RS ET
12-Apr-17	NEL	1	13.48	SPRING	32166	3RS ET
12-Apr-17	NEL	2	26.22	SPRING	32166	3RS ET
12-Apr-17	NEL	3	7.30	SPRING	32166	3RS ET
18-Apr-17	AW	3	4.87	SPRING	32166	3RS ET
18-Apr-17	WL	2	25.68	SPRING	32166	3RS ET
18-Apr-17	WL	3	4.96	SPRING	32166	3RS ET
18-Apr-17	SWL	1	0.82	SPRING	32166	3RS ET
18-Apr-17	SWL	2	5.05	SPRING	32166	3RS ET
24-Apr-17	NEL	2	26.15	SPRING	32166	3RS ET
24-Apr-17	NEL	3	20.65	SPRING	32166	3RS ET
25-Apr-17	NWL	2	1.10	SPRING	32166	3RS ET
25-Apr-17	NWL	3	35.32	SPRING	32166	3RS ET
25-Apr-17	NWL	4	38.88	SPRING	32166	3RS ET
26-Apr-17	SWL	1	1.40	SPRING	32166	3RS ET
26-Apr-17	SWL	2	40.23	SPRING	32166	3RS ET
26-Apr-17	SWL	3	20.41	SPRING	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. February and March 2017) 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.
06-Feb-17	1	1013	CWD	3	WL	3	854	ON	3RS ET	22.2826	113.8613	WINTER	NONE
06-Feb-17	2	1140	CWD	3	WL	2	243	ON	3RS ET	22.2237	113.8323	WINTER	NONE
06-Feb-17	3	1218	CWD	3	WL	3	23	ON	3RS ET	22.2147	113.8300	WINTER	NONE
16-Feb-17	1	0957	CWD	2	AW	1	16	ON	3RS ET	22.2920	113.8749	WINTER	GILLNET
16-Feb-17	2	1037	CWD	5	WL	1	220	ON	3RS ET	22.2953	113.8612	WINTER	NONE
16-Feb-17	3	1121	CWD	4	WL	1	58	ON	3RS ET	22.2628	113.8564	WINTER	NONE
16-Feb-17	4	1147	CWD	3	WL	1	244	ON	3RS ET	22.2602	113.8470	WINTER	NONE
16-Feb-17	5	1206	CWD	2	WL	1	53	ON	3RS ET	22.2535	113.8348	WINTER	NONE
16-Feb-17	6	1215	CWD	3	WL	1	20	ON	3RS ET	22.2504	113.8378	WINTER	NONE
16-Feb-17	7	1231	CWD	7	WL	1	173	ON	3RS ET	22.2418	113.8473	WINTER	NONE
16-Feb-17	8	1304	CWD	2	WL	1	19	ON	3RS ET	22.2414	113.8428	WINTER	NONE
16-Feb-17	9	1315	CWD	2	WL	1	31	ON	3RS ET	22.2382	113.8266	WINTER	NONE
16-Feb-17	10	1333	CWD	14	WL	1	226	ON	3RS ET	22.2308	113.8381	WINTER	PURSE SEINE
16-Feb-17	11	1420	CWD	2	WL	2	452	ON	3RS ET	22.2139	113.8244	WINTER	NONE
16-Feb-17	12	1449	CWD	1	WL	2	29	ON	3RS ET	22.2051	113.8191	WINTER	NONE
17-Feb-17	1	1048	FP	2	SWL	2	174	ON	3RS ET	22.1586	113.9356	WINTER	NONE
17-Feb-17	2	1238	CWD	3	SWL	1	1380	ON	3RS ET	22.2005	113.9079	WINTER	PURSE SEINE
17-Feb-17	3	1349	CWD	2	SWL	1	50	ON	3RS ET	22.1889	113.8879	WINTER	NONE
17-Feb-17	4	1551	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2009	113.8934	WINTER	NONE
17-Feb-17	5	1559	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2025	113.9121	WINTER	NONE
20-Feb-17	1	1137	CWD	1	NWL	2	259	ON	3RS ET	22.3819	113.8760	WINTER	NONE
21-Feb-17	1	1137	CWD	4	NWL	3	64	ON	3RS ET	22.3866	113.8776	WINTER	NONE
13-Mar-17	1	1130	CWD	4	WL	2	374	ON	3RS ET	22.2229	113.8269	SPRING	NONE
14-Mar-17	1	1045	FP	1	SWL	4	N/A	OFF	3RS ET	22.1827	113.9356	SPRING	NONE
14-Mar-17	2	1214	FP	1	SWL	5	N/A	ON	3RS ET	22.1461	113.9081	SPRING	NONE
20-Mar-17	1	1025	CWD	1	SWL	2	209	ON	3RS ET	22.2001	113.8688	SPRING	GILLNET
20-Mar-17	2	1211	FP	1	SWL	2	100	ON	3RS ET	22.1622	113.8978	SPRING	NONE
20-Mar-17	3	1257	CWD	1	SWL	2	36	ON	3RS ET	22.1846	113.9041	SPRING	NONE
20-Mar-17	4	1432	FP	3	SWL	3	108	ON	3RS ET	22.1470	113.9278	SPRING	NONE
20-Mar-17	5	1439	FP	2	SWL	3	63	ON	3RS ET	22.1472	113.9326	SPRING	NONE
20-Mar-17	6	1457	FP	2	SWL	3	24	ON	3RS ET	22.1816	113.9359	SPRING	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
21-Mar-17	1	1025	CWD	4	WL	1	202	ON	3RS ET	22.2603	113.8533	SPRING	PURSE SEINE
21-Mar-17	2	1214	CWD	13	WL	3	397	ON	3RS ET	22.1980	113.8262	SPRING	PURSE SEINE
21-Mar-17	3	1242	CWD	7	WL	2	1163	ON	3RS ET	22.1870	113.8386	SPRING	PURSE SEINE
23-Mar-17	1	1128	CWD	3	NWL	1	123	ON	3RS ET	22.3779	113.8767	SPRING	NONE
23-Mar-17	2	1222	CWD	3	NWL	1	19	ON	3RS ET	22.3733	113.8881	SPRING	NONE
05-Apr-17	1	1132	CWD	2	NWL	2	128	ON	3RS ET	22.3787	113.8765	SPRING	NONE
05-Apr-17	2	1147	CWD	3	NWL	2	16	ON	3RS ET	22.3827	113.8768	SPRING	NONE
11-Apr-17	1	1042	FP	1	SWL	1	336	ON	3RS ET	22.1801	113.9363	SPRING	NONE
11-Apr-17	2	1051	FP	6	SWL	1	3	ON	3RS ET	22.1699	113.9359	SPRING	NONE
11-Apr-17	3	1103	FP	5	SWL	1	43	ON	3RS ET	22.1561	113.9358	SPRING	NONE
11-Apr-17	4	1212	FP	5	SWL	2	363	ON	3RS ET	22.1480	113.9180	SPRING	NONE
18-Apr-17	1	1023	CWD	1	WL	3	17	ON	3RS ET	22.2698	113.8441	SPRING	NONE
18-Apr-17	2	1047	CWD	7	WL	2	580	ON	3RS ET	22.2605	113.8488	SPRING	NONE
18-Apr-17	3	1113	CWD	5	WL	2	277	ON	3RS ET	22.2578	113.8378	SPRING	NONE
18-Apr-17	4	1246	CWD	3	WL	2	278	ON	3RS ET	22.1873	113.8417	SPRING	NONE
18-Apr-17	5	1302	CWD	5	WL	2	450	ON	3RS ET	22.1870	113.8378	SPRING	NONE
18-Apr-17	6	1330	CWD	2	SWL	2	40	ON	3RS ET	22.1831	113.8499	SPRING	NONE
18-Apr-17	7	1406	CWD	2	SWL	2	512	ON	3RS ET	22.1925	113.8595	SPRING	NONE
26-Apr-17	1	1022	CWD	1	SWL	2	48	ON	3RS ET	22.2170	113.9356	SPRING	PURSE SEINE
26-Apr-17	2	1224	FP	2	SWL	2	89	ON	3RS ET	22.1526	113.9068	SPRING	NONE
26-Apr-17	3	1441	CWD	3	SWL	3	55	ON	3RS ET	22.1699	113.8684	SPRING	NONE
26-Apr-17	4	1456	CWD	2	SWL	3	755	ON	3RS ET	22.1692	113.8691	SPRING	NONE

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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. February and March 2017) 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 April 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 405.18 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 12 on-effort sightings and total number of 36 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in April 2017 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in April 2017

$$STG = \frac{12}{405.18}\ x\ 100 = 2.96$$

Encounter Rate by Number of Dolphins (ANI) in April 2017

$$ANI = \frac{36}{405.18}\ x\ 100 = 8.88$$

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

A total of 1119.06 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 39 on-effort sightings and total number of 138 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

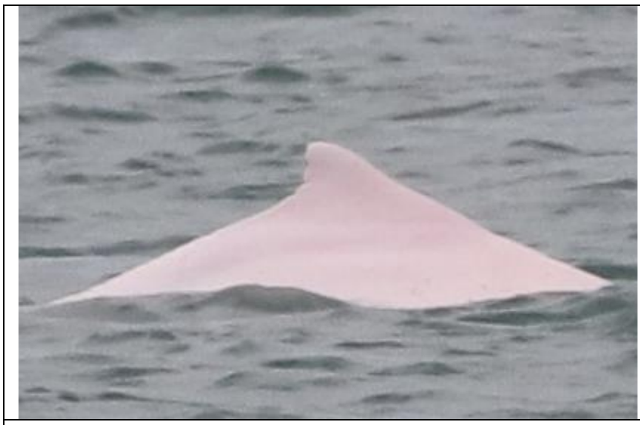
Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)

$$STG = \frac{39}{1119.06}\ x\ 100 = 3.49$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{138}{1119.06}\ x\ 100 = 12.33$$

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


NLMM004_20170405_1_1


NLMM016_20170405_1_1


NLMM004_20170405_2_2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NLMM016_20170418_1_1


WLMM030_20170418_2_2


WLMM060_20170418_2_1


WLMM068_20170418_2_8

WLMM071_20170418_2_4

WLMM072_20170418_2_5

WLMM075_20170418_2_3

WLMM030_20170418_3_1

WLMM060_20170418_3_1 (Right One)

WLMM068_20170418_3_1

WLMM071_20170418_3_1

SLMM028_20170418_5_3

	
SLMM054_20170418_7_1	SLMM021_20170426_1_4
	
WLMM064_20170426_3_4	SLMM055_20170426_4_4

CWD Land-based Theodolite Tracking

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
6/Apr/17	Sha Chau	8:35	14:35	6:00	2	3	0	N/A
7/Apr/17	Lung Kwu Chau	8:44	14:44	6:00	2	2-3	2	2
20/Apr/17	Lung Kwu Chau	8:50	14:50	6:00	1-2	2-4	4	2-3
25/Apr/17	Lung Kwu Chau	8:49	14:49	6:00	3-4	3-4	0	N/A
27/Apr/17	Sha Chau	8:50	14:50	6:00	2-4	1-4	0	N/A

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