Appendix C. Monitoring Results

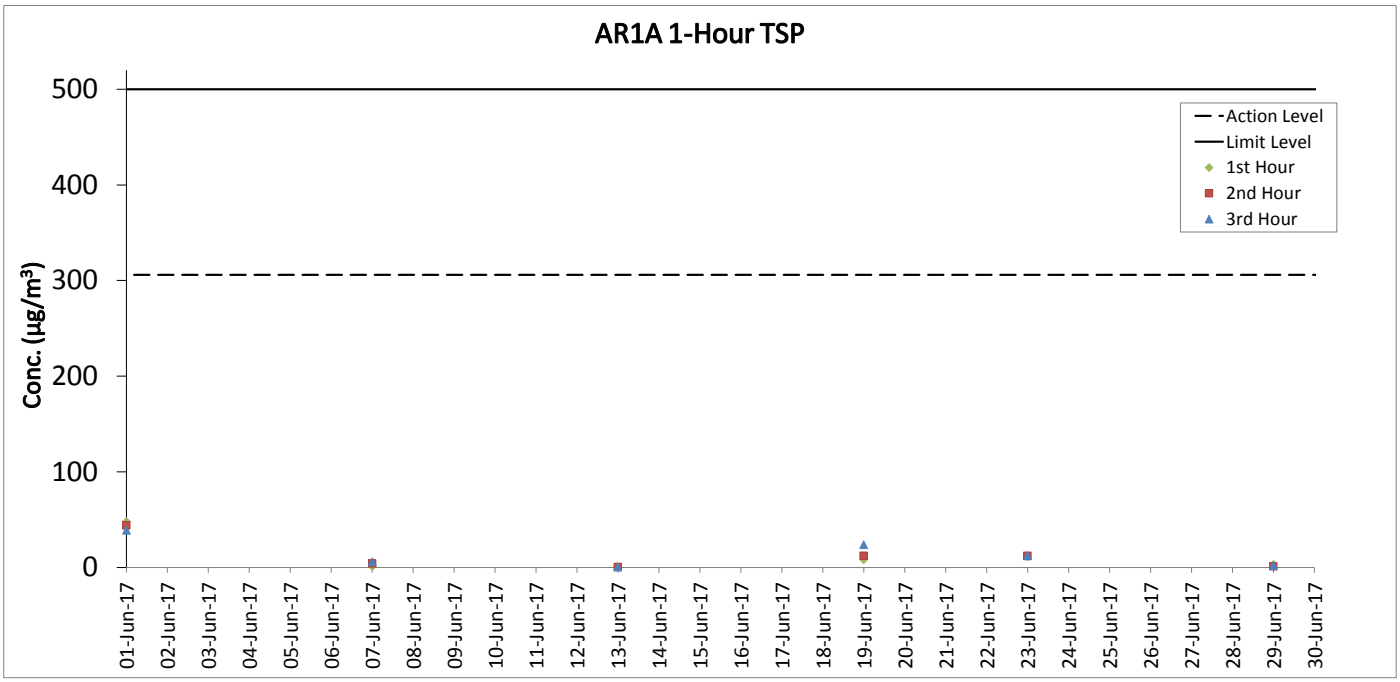
Air Quality Monitoring Results

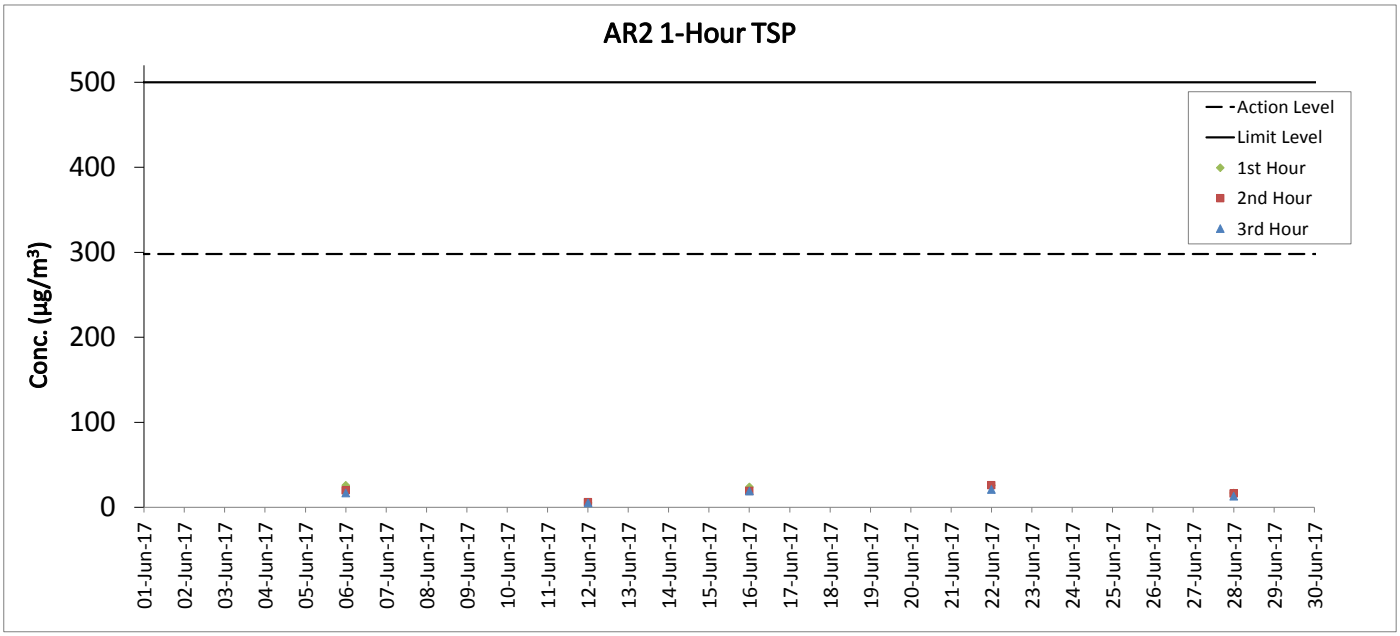
1-hour TSP Results
Station: AR1A- Man Tung Road Park

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)
01-Jun-17	14:10	Fine	11	229	48	306	500
01-Jun-17	15:10	Fine	10.9	227	44	306	500
01-Jun-17	16:10	Fine	9.3	220	39	306	500
07-Jun-17	08:46	Sunny	4.9	169	1	306	500
07-Jun-17	09:46	Sunny	5.8	166	4	306	500
07-Jun-17	10:46	Sunny	4.5	172	6	306	500
13-Jun-17	13:05	Rainy	2.6	51	1	306	500
13-Jun-17	14:05	Rainy	2.9	71	0.3	306	500
13-Jun-17	15:05	Rainy	2.5	94	0.3	306	500
19-Jun-17	13:27	Cloudy	4.3	207	8	306	500
19-Jun-17	14:27	Cloudy	7.7	241	12	306	500
19-Jun-17	15:27	Cloudy	4.8	251	24	306	500
23-Jun-17	14:15	Sunny	3.6	154	11	306	500
23-Jun-17	15:15	Sunny	4.5	153	12	306	500
23-Jun-17	16:15	Sunny	3.6	154	12	306	500
29-Jun-17	14:10	Sunny	5.6	250	3	306	500
29-Jun-17	15:10	Sunny	6.5	242	1	306	500
29-Jun-17	16:10	Sunny	3.9	184	2	306	500

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
06-Jun-17	09:10	Sunny	5.0	151	26	298	500
06-Jun-17	10:10	Sunny	6.0	163	20	298	500
06-Jun-17	11:10	Sunny	6.9	162	17	298	500
12-Jun-17	09:05	Cloudy	6.1	225	5	298	500
12-Jun-17	10:05	Cloudy	5.1	63	6	298	500
12-Jun-17	11:05	Cloudy	7.2	114	5	298	500
16-Jun-17	09:05	Cloudy	7.4	226	24	298	500
16-Jun-17	10:05	Cloudy	8.1	226	19	298	500
16-Jun-17	11:05	Cloudy	7.3	231	19	298	500
22-Jun-17	09:00	Fine	4.5	208	26	298	500
22-Jun-17	10:00	Fine	5.8	198	26	298	500
22-Jun-17	11:00	Fine	4.5	181	21	298	500
28-Jun-17	09:00	Sunny	3.7	243	17	298	500
28-Jun-17	10:00	Sunny	4.9	269	16	298	500
28-Jun-17	11:00	Sunny	5.3	240	13	298	500


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


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

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)
01-Jun-17	Fine	15:00	70.5	59.0	71
01-Jun-17	Fine	15:05	72.0	58.5	
01-Jun-17	Fine	15:10	71.0	59.0	
01-Jun-17	Fine	15:15	70.0	57.5	
01-Jun-17	Fine	15:20	71.5	57.5	
01-Jun-17	Fine	15:25	72.0	59.5	
07-Jun-17	Sunny	10:38	73.0	61.5	72
07-Jun-17	Sunny	10:43	73.0	60.5	
07-Jun-17	Sunny	10:48	71.0	59.0	
07-Jun-17	Sunny	10:53	72.0	61.0	
07-Jun-17	Sunny	10:58	72.0	61.0	
07-Jun-17	Sunny	11:03	72.0	59.5	
14-Jun-17	Cloudy	15:25	72.0	60.0	72
14-Jun-17	Cloudy	15:30	73.0	57.5	
14-Jun-17	Cloudy	15:35	71.0	58.0	
14-Jun-17	Cloudy	15:40	71.0	57.5	
14-Jun-17	Cloudy	15:45	71.0	58.0	
14-Jun-17	Cloudy	15:50	72.5	59.5	
19-Jun-17	Cloudy	14:00	72.5	58.5	72
19-Jun-17	Cloudy	14:05	72.0	58.5	
19-Jun-17	Cloudy	14:10	73.0	60.5	
19-Jun-17	Cloudy	14:15	72.5	58.5	
19-Jun-17	Cloudy	14:20	72.0	59.0	
19-Jun-17	Cloudy	14:25	71.5	58.5	
29-Jun-17	Sunny	14:36	71.0	58.5	70
29-Jun-17	Sunny	14:41	72.0	58.5	
29-Jun-17	Sunny	14:46	66.0	55.0	
29-Jun-17	Sunny	14:51	71.0	55.5	
29-Jun-17	Sunny	14:56	70.0	56.0	
29-Jun-17	Sunny	15:01	72.5	58.0	

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)
06-Jun-17	Sunny	15:20	62.5	59.5	61
06-Jun-17	Sunny	15:25	63.0	59.5	
06-Jun-17	Sunny	15:30	62.0	59.5	
06-Jun-17	Sunny	15:35	64.0	60.0	
06-Jun-17	Sunny	15:40	61.0	59.0	
06-Jun-17	Sunny	15:45	61.0	52.5	
15-Jun-17	Fine	16:05	65.5	61.0	57
15-Jun-17	Fine	16:10	63.5	61.0	
15-Jun-17	Fine	16:15	62.0	60.5	
15-Jun-17	Fine	16:20	65.0	60.5	
15-Jun-17	Fine	16:25	66.5	61.0	
15-Jun-17	Fine	16:30	65.0	61.0	
22-Jun-17	Sunny	15:05	61.5	59.5	60
22-Jun-17	Sunny	15:10	60.5	59.5	
22-Jun-17	Sunny	15:15	61.0	59.5	
22-Jun-17	Sunny	15:20	60.5	59.5	
22-Jun-17	Sunny	15:25	61.5	59.5	
22-Jun-17	Sunny	15:30	60.5	59.5	
28-Jun-17	Sunny	13:27	62.5	60.5	61
28-Jun-17	Sunny	13:32	61.0	60.0	
28-Jun-17	Sunny	13:37	64.5	60.0	
28-Jun-17	Sunny	13:42	63.0	60.0	
28-Jun-17	Sunny	13:47	61.0	60.0	
28-Jun-17	Sunny	13:52	60.5	59.5	

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)
01-Jun-17	Fine	13:20	62.5	59.5	65
01-Jun-17	Fine	13:25	63.5	61.0	
01-Jun-17	Fine	13:30	63.5	61.0	
01-Jun-17	Fine	13:35	64.0	60.5	
01-Jun-17	Fine	13:40	63.0	59.5	
01-Jun-17	Fine	13:45	63.0	59.0	
07-Jun-17	Sunny	09:22	64.0	60.5	65
07-Jun-17	Sunny	09:27	64.0	61.0	
07-Jun-17	Sunny	09:32	65.0	60.0	
07-Jun-17	Sunny	09:37	62.5	60.0	
07-Jun-17	Sunny	09:42	63.5	60.0	
07-Jun-17	Sunny	09:47	63.0	60.0	
14-Jun-17	Cloudy	14:19	63.0	59.0	65
14-Jun-17	Cloudy	14:24	63.5	59.5	
14-Jun-17	Cloudy	14:29	63.0	59.0	
14-Jun-17	Cloudy	14:34	63.5	59.0	
14-Jun-17	Cloudy	14:39	64.0	60.0	
14-Jun-17	Cloudy	14:44	66.0	60.0	
23-Jun-17	Sunny	13:17	63.0	59.5	64
23-Jun-17	Sunny	13:22	63.0	59.0	
23-Jun-17	Sunny	13:27	63.0	59.0	
23-Jun-17	Sunny	13:32	62.5	59.0	
23-Jun-17	Sunny	13:37	62.5	59.0	
23-Jun-17	Sunny	13:42	62.5	60.0	
29-Jun-17	Sunny	13:15	62.5	58.5	64
29-Jun-17	Sunny	13:20	62.0	58.5	
29-Jun-17	Sunny	13:25	62.5	58.0	
29-Jun-17	Sunny	13:30	63.0	58.0	
29-Jun-17	Sunny	13:35	65.5	59.5	
29-Jun-17	Sunny	13:40	63.0	59.0	

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

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

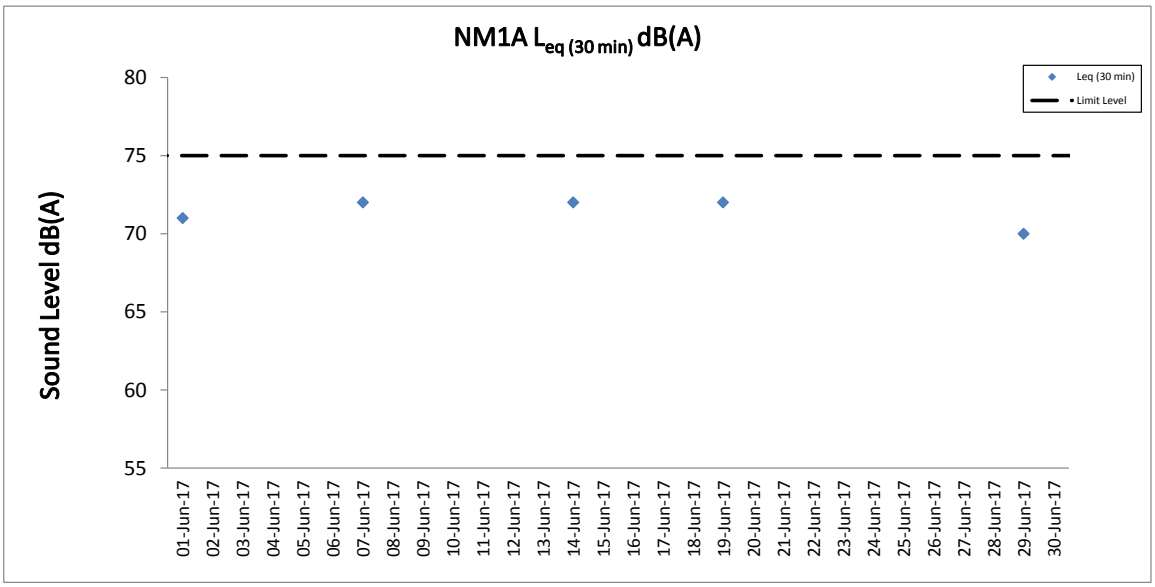
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Jun-17	Sunny	09:39	56.0	52.5	66
06-Jun-17	Sunny	09:44	66.5	60.0	
06-Jun-17	Sunny	09:49	68.0	66.5	
06-Jun-17	Sunny	09:54	67.0	64.5	
06-Jun-17	Sunny	09:59	65.5	62.0	
06-Jun-17	Sunny	10:04	58.5	54.0	
12-Jun-17	Cloudy	09:39	57.5	50.0	58
12-Jun-17	Cloudy	09:44	60.0	49.5	
12-Jun-17	Cloudy	09:49	59.5	50.0	
12-Jun-17	Cloudy	09:54	56.0	48.5	
12-Jun-17	Cloudy	09:59	56.0	49.5	
12-Jun-17	Cloudy	10:04	58.0	51.0	
22-Jun-17	Fine	09:35	55.0	49.0	56
22-Jun-17	Fine	09:40	55.5	47.0	
22-Jun-17	Fine	09:45	54.5	47.0	
22-Jun-17	Fine	09:50	53.0	46.5	
22-Jun-17	Fine	09:55	54.5	46.5	
22-Jun-17	Fine	10:00	57.5	47.5	
28-Jun-17	Sunny	09:50	57.0	47.0	67
28-Jun-17	Sunny	09:55	59.5	45.5	
28-Jun-17	Sunny	10:00	61.5	48.0	
28-Jun-17	Sunny	10:05	56.0	48.0	
28-Jun-17	Sunny	10:10	54.5	49.5	
28-Jun-17	Sunny	10:15	72.5	50.0	

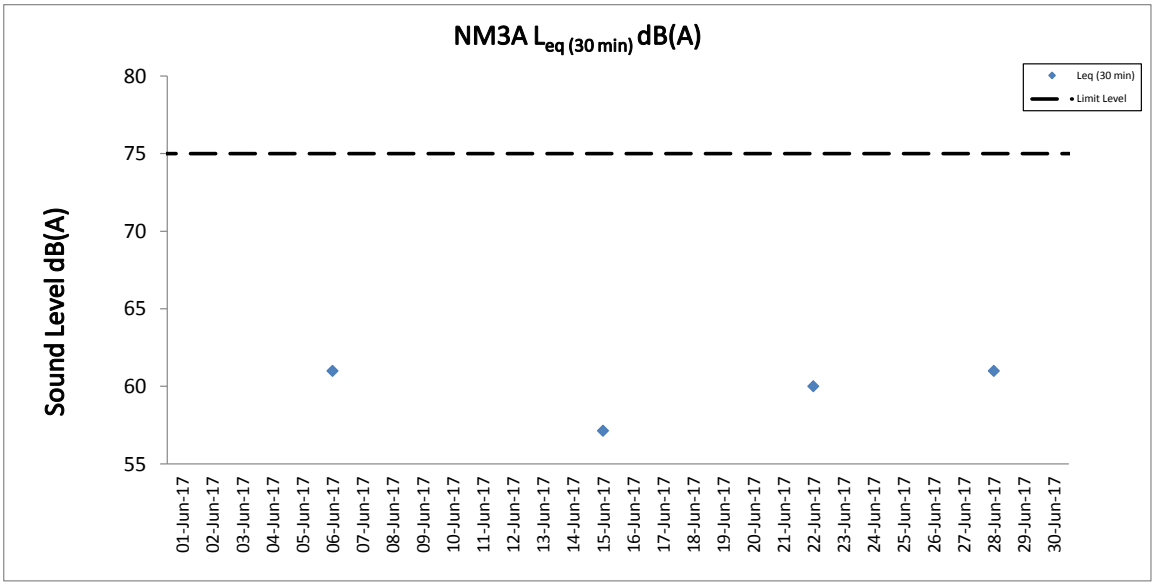
Remarks:
+3dB (A) correction was applied to free-field measurement.

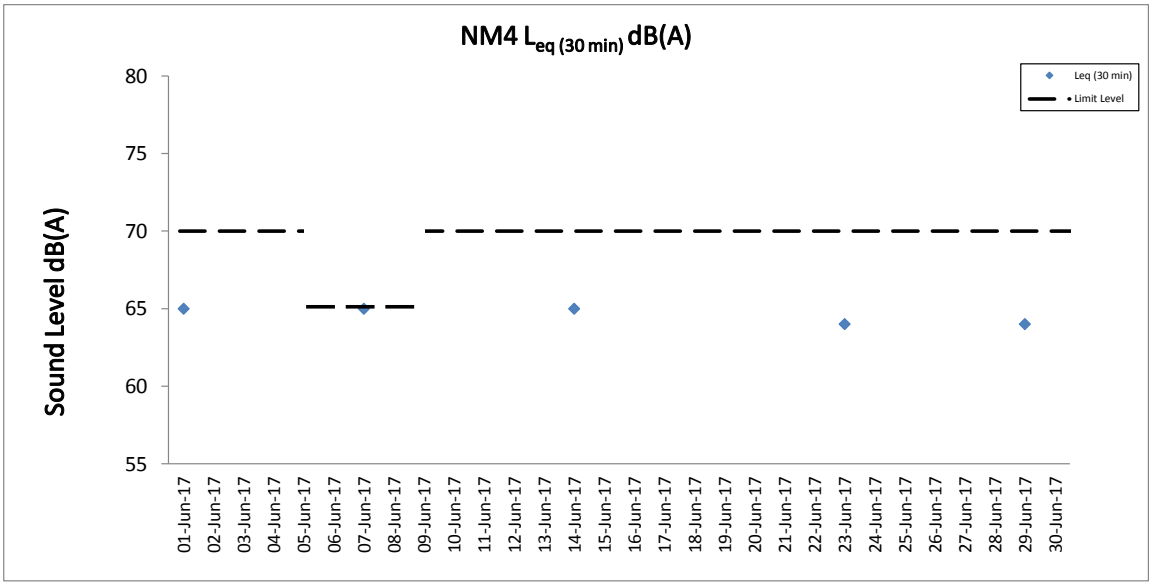
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
08-Jun-17	Sunny	09:40	64.0	54.5	62
08-Jun-17	Sunny	09:45	60.0	54.0	
08-Jun-17	Sunny	09:50	63.5	53.5	
08-Jun-17	Sunny	09:55	63.5	54.0	
08-Jun-17	Sunny	10:00	60.0	51.0	
08-Jun-17	Sunny	10:05	62.5	52.0	
12-Jun-17	Sunny	09:38	64.0	51.5	62
12-Jun-17	Sunny	09:43	68.0	52.0	
12-Jun-17	Sunny	09:48	66.0	51.5	
12-Jun-17	Sunny	09:53	68.0	52.5	
12-Jun-17	Sunny	09:58	73.5	56.0	
12-Jun-17	Sunny	10:03	71.5	61.5	
22-Jun-17	Fine	09:40	75.5	52.5	70
22-Jun-17	Fine	09:45	73.0	51.5	
22-Jun-17	Fine	09:50	73.5	53.5	
22-Jun-17	Fine	09:55	74.5	51.5	
22-Jun-17	Fine	10:00	72.5	51.0	
22-Jun-17	Fine	10:05	66.5	49.0	
26-Jun-17	Sunny	09:43	73.5	55.0	70
26-Jun-17	Sunny	09:48	76.5	56.6	
26-Jun-17	Sunny	09:53	72.5	55.0	
26-Jun-17	Sunny	09:58	71.0	55.5	
26-Jun-17	Sunny	10:03	72.0	56.5	
26-Jun-17	Sunny	10:08	73.5	53.5	

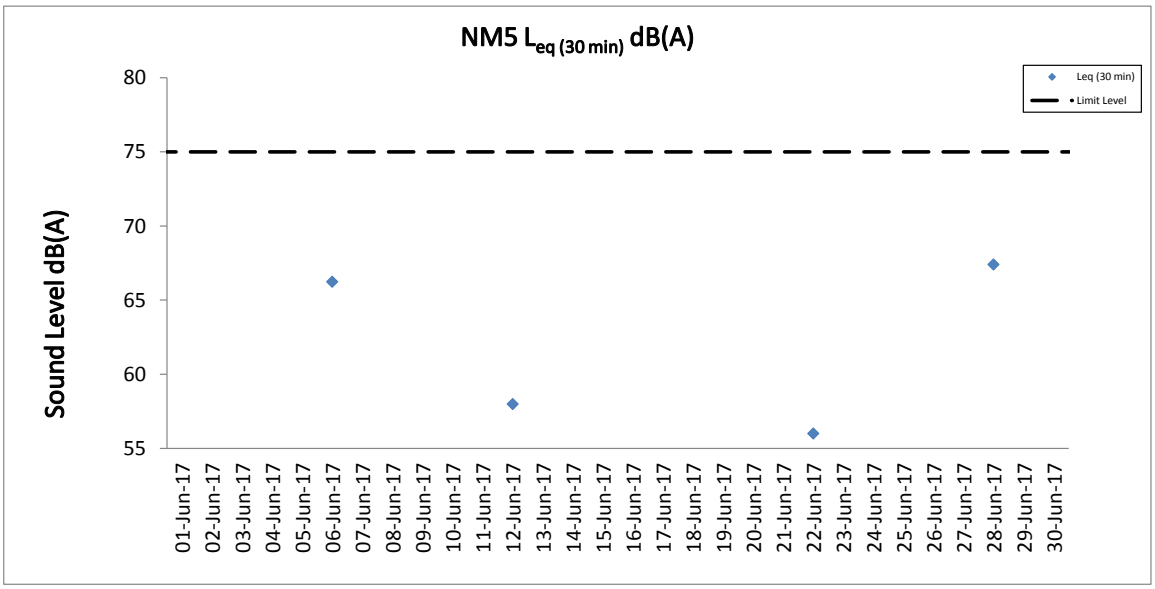
Remarks:
+3dB (A) correction was applied to free-field measurement.

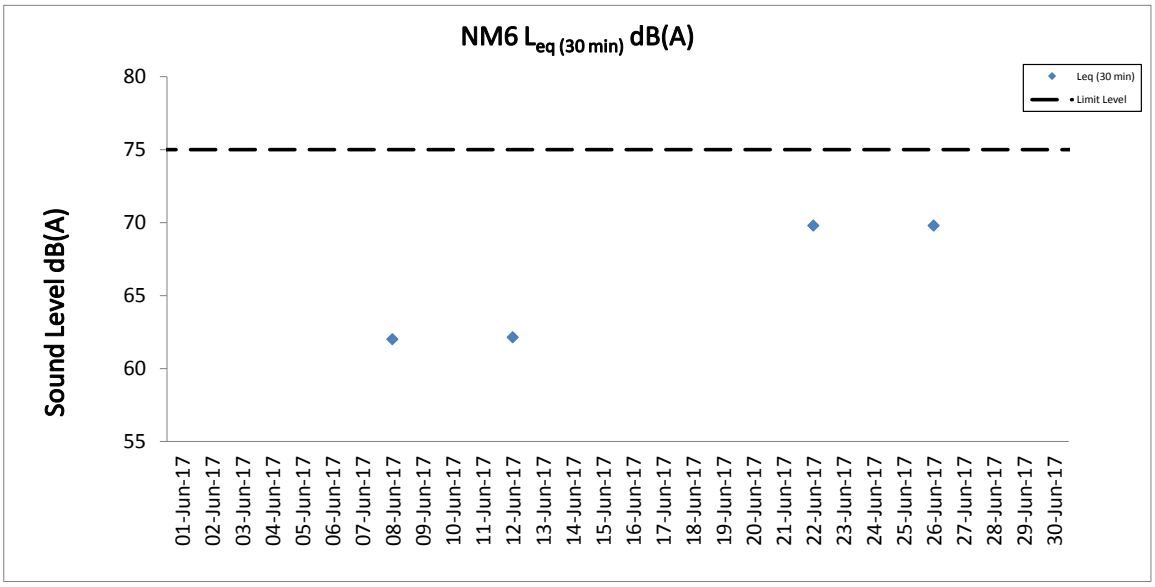






Note: Limit Level at NM4 reduced to 65 dB(A) during school examination period from 5 to 9 June 2017.


NM5 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
Leq (30 min)
Limit Level
01-Jun-17
02-Jun-17
03-Jun-17
04-Jun-17
05-Jun-17
06-Jun-17
07-Jun-17
08-Jun-17
09-Jun-17
10-Jun-17
11-Jun-17
12-Jun-17
13-Jun-17
14-Jun-17
15-Jun-17
16-Jun-17
17-Jun-17
18-Jun-17
19-Jun-17
20-Jun-17
21-Jun-17
22-Jun-17
23-Jun-17
24-Jun-17
25-Jun-17
26-Jun-17
27-Jun-17
28-Jun-17
29-Jun-17
30-Jun-17


NM6 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
Leq (30 min)
Limit Level
01-Jun-17
02-Jun-17
03-Jun-17
04-Jun-17
05-Jun-17
06-Jun-17
07-Jun-17
08-Jun-17
09-Jun-17
10-Jun-17
11-Jun-17
12-Jun-17
13-Jun-17
14-Jun-17
15-Jun-17
16-Jun-17
17-Jun-17
18-Jun-17
19-Jun-17
20-Jun-17
21-Jun-17
22-Jun-17
23-Jun-17
24-Jun-17
25-Jun-17
26-Jun-17
27-Jun-17
28-Jun-17
29-Jun-17
30-Jun-17

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 June 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	Rough	11:16	8.5	Surface	1.0	0.7	38	27.6	27.6	8.1	8.1	21.7	21.7	114.6	114.6	8.0	7.8	3.6	4.0	6	6	73	75	815610	804255	<0.2	<0.2	2.2	2.3
						1.0	0.8	38	27.6		8.1		21.7		114.6		8.0		3.6		7		74				<0.2		2.4	
					Middle	4.3	0.6	32	27.5	27.5	8.1	8.1	22.3	22.3	107.5	107.5	7.5		3.9		7		75				<0.2		2.3	
						4.3	0.6	34	27.5		8.1		22.3		107.4		7.5		3.9		6		75				<0.2		2.3	
					Bottom	7.5	0.4	347	27.3	27.3	8.0	8.0	23.9	24.6	98.6	99.3	6.8	6.9	4.4		4		77				<0.2		2.1	
						7.5	0.4	319	27.3		8.0		25.3		100.0		6.9		4.4		5		77				<0.2		2.2	
C2	Cloudy	Rough	12:36	12.3	Surface	1.0	0.5	350	27.8	27.8	8.0	8.0	19.3	19.3	91.3	91.3	6.4	6.4	3.8	3.2	4	5	75	77	825688	806944	<0.2	<0.2	3.1	3.1
						1.0	0.5	359	27.8		8.0		19.3		91.3		6.4		3.8		6		75				<0.2		3.1	
					Middle	6.2	0.2	6	27.7	27.7	8.0	8.0	19.4	19.4	88.5	88.5	6.3		2.7		4		76				<0.2		2.8	
						6.2	0.2	6	27.6		8.0		19.4		88.4		6.3		2.8		5		77				<0.2		3.1	
					Bottom	11.3	0.3	339	27.5	27.5	8.0	8.0	22.1	22.1	90.1	90.1	6.3	6.3	2.9		7		78				<0.2		3.0	
						11.3	0.4	312	27.5		8.0		22.1		90.1		6.3		2.9		5		78				<0.2		3.2	
C3	Cloudy	Moderate	10:36	13.1	Surface	1.0	0.4	304	27.5	27.5	8.0	8.0	20.2	20.2	90.3	90.3	6.4	6.3	2.5	3.7	5	5	77	79	822118	817797	<0.2	<0.2	2.4	2.6
						1.0	0.4	310	27.5		8.0		20.2		90.3		6.4		2.5		4		77				<0.2		2.8	
					Middle	6.6	0.3	269	27.1	27.1	8.0	8.0	23.3	23.3	88.5	88.5	6.2		3.9		5		78				<0.2		2.5	
						6.6	0.3	274	27.1		8.0		23.3		88.5		6.2		3.9		3		80				<0.2		2.7	
					Bottom	12.1	0.2	271	27.0	27.0	8.0	8.0	27.2	27.2	88.7	88.7	6.1	6.1	4.6		7		80				<0.2		2.6	
						12.1	0.2	284	27.0		8.0		27.2		88.7		6.1		4.6		5		80				<0.2		2.5	
IM1	Cloudy	Rough	11:31	7.7	Surface	1.0	0.5	27	27.8	27.8	8.0	8.0	22.4	22.4	103.6	103.6	7.2	7.1	3.1	3.5	4	5	73	75	818339	806454	<0.2	<0.2	1.8	1.8
						1.0	0.5	27	27.8		8.0		22.4		103.6		7.2		3.1		4		74				<0.2		1.7	
					Middle	3.9	0.6	25	27.7	27.7	8.0	8.0	22.5	22.5	100.8	100.8	7.0		3.4		4		75				<0.2		1.7	
						3.9	0.6	27	27.7		8.0		22.5		100.8		7.0		3.4		6		76				<0.2		1.8	
					Bottom	6.7	0.4	358	27.5	27.5	8.0	8.0	23.1	23.1	98.9	98.9	6.9	6.9	4.0		5		76				<0.2		1.8	
						6.7	0.4	329	27.5		8.0		23.1		98.9		6.9		4.0		4		77				<0.2		1.7	
IM2	Cloudy	Rough	11:38	8.6	Surface	1.0	0.7	33	27.7	27.7	8.0	8.0	20.4	20.4	103.5	103.5	7.3	7.1	4.3	5.2	7	5	73	75	818846	806212	<0.2	<0.2	1.8	1.8
						1.0	0.7	34	27.7		8.0		20.4		103.5		7.3		4.3		5		74				<0.2		1.6	
					Middle	4.3	0.7	25	27.6	27.6	8.0	8.0	22.4	22.4	99.5	99.5	6.9		5.5		5		75				<0.2		1.8	
						4.3	0.7	26	27.6		8.0		22.4		99.5		6.9		5.5		4		76				<0.2		2.0	
					Bottom	7.6	0.6	8	27.4	27.4	8.0	8.0	24.0	24.0	97.7	97.7	6.8	6.8	5.9		4		77				<0.2		1.8	
						7.6	0.6	8	27.4		8.0		24.0		97.7		6.8		5.9		4		77				<0.2		1.8	
IM3	Cloudy	Rough	11:46	8.7	Surface	1.0	0.5	45	27.7	27.7	7.9	7.9	20.1	20.1	97.7	97.7	6.9	6.9	3.7	4.2	4	5	73	75	819427	806036	<0.2	<0.2	2.0	2.0
						1.0	0.5	49	27.7		7.9		20.1		97.7		6.9		3.3		5		74				<0.2		1.7	
					Middle	4.4	0.5	18	27.4	27.4	8.0	8.0	21.4	21.4	98.4	98.4	6.9		4.1		4		75				<0.2		1.9	
						4.4	0.6	18	27.4		8.0		21.4		98.4		6.9		4.1		6		76				<0.2		2.0	
					Bottom	7.7	0.5	359	27.5	27.6	8.0	8.0	23.9	23.2	99.7	99.6	6.9	6.9	4.9		6		77				<0.2		2.0	
						7.7	0.6	330	27.6		8.0		22.5		99.4		6.9		4.9		5		76				<0.2		2.1	
IM4	Cloudy	Rough	11:57	8.0	Surface	1.0	0.3	40	27.8	27.8	8.0	8.0	19.8	19.8	99.3	99.3	7.0	6.8	5.8	7.9	8	7	74	75	819565	805028	<0.2	<0.2	2.0	2.1
						1.0	0.3	40	27.8		8.0		19.8		99.3		7.0		5.8		8		73				<0.2		2.0	
					Middle	4.0	0.3	7	27.2	27.2	8.0	8.0	22.0	22.0	92.1	92.1	6.5		7.7		6		75				<0.2		2.2	
						4.0	0.3	7	27.2		8.0		22.0		92.0		6.5		7.8		6		75				<0.2		2.2	
					Bottom	7.0	0.2	352	26.9	26.9	8.0	8.0	27.3	27.3	91.4	91.4	6.3	6.3	10.0		5		77				<0.2		2.2	
						7.0	0.2	357	26.9		8.0		27.3		91.4		6.3		10.0		6		77				<0.2		2.0	
IM5	Cloudy	Rough	12:07	7.1	Surface	1.0	0.4	26	27.6	27.6	8.0	8.0	20.1	20.1	98.0	98.0	6.9	6.8	4.2	5.6	7	6	74	76	820576	804914	<0.2	<0.2	2.2	2.2
						1.0	0.5	26	27.6		8.0		20.1		98.0		6.9		4.2		5		74				<0.2		2.1	
					Middle	3.6	0.4	8	27.4	27.4	8.0	8.0	22.1	22.1	94.8	94.8	6.6		4.9		6		76				<0.2		2.2	
						3.6	0.5	8	27.4		8.0		22.1		94.8		6.6		4.9		4		75				<0.2		2.2	
					Bottom	6.1	0.4	1	27.2	27.2	8.0	8.0	24.9	24.9	92.8	92.8	6.4	6.4	7.6		5		77				<0.2		2.1	
						6.1	0.4	1	27.2		8.0		24.9		92.8		6.4		7.6		6		77				<0.2		2.2	
IM6	Cloudy	Rough	12:14	6.6	Surface	1.0	0.5	24	27.7	27.7	8.0	8.0	20.2	20.2	97.9	97.9	6.9	6.8	4.4	4.9	4	4	74	75	821076	805817	<0.2	<0.2	2.2	2.5
						1.0	0.6	24	27.7		8.0		20.2		97.9		6.9		4.4		6		74				<0.2		2.4	
					Middle	3.3	0.4	21	27.5	27.5	8.0	8.0	21.3	21.3	93.4	93.4	6.6		4.8		4		75				<0.2		3.0	
						3.3	0.4	21	27.5		8.0		21.3		93.4		6.6		4.8		4		75				<0.2		2.8	
					Bottom	5.6	0.4	9	27.3	27.3	8.0	8.0	23.7	23.7	92.5	92.5	6.4	6.4	5.5		3		77				<0.2		2.3	
						5.6	0.4	9	27.3		8.0		23.7		92.5		6.4		5.5		5		77				<0.2		2.0	
IM7	Cloudy	Rough	12:22	8.5	Surface	1.0	0.6	40	27.8	27.8	8.0	8.0	20.8	20.9	99.4	98.9	7.0	6.7	4.7	5.3	3	4	74	75	821356	806825	<0.2	<0.2	2.3	2.5
						1.0	0.6	42	27.8		8.0		20.9		98.3		6.9		4.2		4		74				<0.2		2.6	
					Middle	4.3	0.4	20	27.5	27.5	8.0	8.0	22.6	22.6	92.7	92.7	6.5		5.1		4		75				<0.2		2.4	
						4.3	0.5	21	27.5		8.0		22.6		92.7		6.5		5.1		3		76				<0.2		2.5	
					Bottom	7.5	0.3	357	27.3	27.3	8.0	8.0	23.3	23.3	91.8	91.8	6.4	6.4	6.3		4		77				<0.2		2.5	
						7.5	0.3	328	27.3		8.0		23.3		91.8		6.4		6.3		6		76				<0.2		2.5	
IM8	Cloudy	Rough	12:12	8.7	Surface	1.0	0.4	11	27.8	27.8	8.1	8.1	21.0	21.0	96.9	96.9	6.8	6.7	3.6	4.4	7	5	75	77	821699	807844	<0.2	<0.2	2.4	2.6
						1.0	0.4	12	27.8		8.1		21.0		96.9		6.8		3.6		6		75				<0.2		2.6	
					Middle	4.4	0.3	12	27.6	27.6	8.1	8.1	21.1	21.1	92.4	92.4	6.5		3.8		5		76				<0.2		2.8	
						4.4	0.4	12	27.6		8.1		21.1		92.4		6.5		3.8		5		77				<0.2		2.5	
					Bottom	7.7	0.6	-	27.3	27.3	8.1	8.1	22.8	22.8	92.5	92.5	6.5	6.5	5.8		3		78				<0.2		2.6	
						7.7	0.6	-	27.3		8.1		22.8		92.5		6.5		5.8		5		78				<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 01 June 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	Rough	12:02	8.6	Surface	1.0	0.3	12	27.7	27.7	8.0	8.0	21.1	21.1	92.7	92.7	6.5	6.5	3.6	4.3	7	5	75	77	822079	808797	<0.2	<0.2	2.5	2.6
						1.0	0.3	12	27.7		8.0		21.1		92.7		6.5		3.6		5		75				<0.2		2.6	
					Middle	4.3	0.3	17	27.6	27.6	8.0	8.0	21.2	21.2	92.6	92.6	6.5		5.2		3		76				<0.2		2.7	
						4.3	0.3	17	27.6		8.0		21.2		92.6		6.5		5.2		4		77				<0.2		2.7	
					Bottom	7.6	0.1	2	27.6	27.6	8.0	8.0	21.2	21.2	93.2	93.2	6.5	6.5	4.0		4		78				<0.2		2.5	
						7.6	0.1	2	27.6		8.0		21.2		93.2		6.5		4.0		4		78				<0.2		2.4	
IM10	Cloudy	Rough	11:53	7.9	Surface	1.0	0.3	359	27.6	27.6	8.0	8.0	20.8	20.8	89.5	89.5	6.3	6.3	4.6	5.2	6	6	75	77	822251	809820	<0.2	<0.2	2.7	2.6
						1.0	0.4	330	27.6		8.0		20.8		89.5		6.3		4.6		8		75				<0.2		2.8	
					Middle	4.0	0.3	338	27.6	27.6	8.0	8.0	21.1	21.1	88.7	88.7	6.2		5.8		6		77				<0.2		2.5	
						4.0	0.3	349	27.6		8.0		21.1		88.7		6.2		5.8		6		78				<0.2		2.4	
					Bottom	6.9	0.3	343	27.4	27.4	8.0	8.0	22.7	22.7	91.2	91.2	6.4	6.4	5.2		6		79				<0.2		2.7	
						6.9	0.3	316	27.4		8.0		22.7		91.2		6.4		5.2		5		78				<0.2		2.6	
IM11	Cloudy	Rough	11:34	8.8	Surface	1.0	0.3	-	27.7	27.7	8.1	8.1	20.7	20.7	93.9	93.9	6.6	6.6	6.1	6.7	7	7	76	77	821519	810530	<0.2	<0.2	2.6	2.6
						1.0	0.3	-	27.7		8.1		20.7		93.9		6.6		6.1		6		75				<0.2		2.3	
					Middle	4.4	0.3	315	27.7	27.7	8.1	8.1	20.8	20.8	93.4	93.4	6.6		6.5		7		77				<0.2		2.3	
						4.4	0.3	334	27.7		8.1		20.8		93.4		6.6		6.5		6		77				<0.2		2.6	
					Bottom	7.8	0.3	294	27.5	27.5	8.0	8.0	21.9	21.9	93.3	93.3	6.5	6.5	7.5		8		78				<0.2		2.9	
						7.8	0.3	322	27.5		8.0		21.9		93.3		6.5		7.5		6		79				<0.2		2.8	
IM12	Cloudy	Rough	11:25	9.3	Surface	1.0	0.3	325	27.7	27.7	8.0	8.0	20.5	20.5	94.1	94.1	6.6	6.5	4.9	6.3	5	6	76	78	821152	811534	<0.2	<0.2	2.6	2.7
						1.0	0.3	346	27.7		8.0		20.5		94.1		6.6		4.9		6		76				<0.2		2.8	
					Middle	4.7	0.3	309	27.5	27.5	8.0	8.0	22.1	22.1	90.4	90.4	6.3		5.8		8		77				<0.2		2.6	
						4.7	0.3	324	27.5		8.0		22.1		90.4		6.3		5.8		7		79				<0.2		2.8	
					Bottom	8.3	0.2	307	27.2	27.2	8.0	8.0	24.5	24.5	87.9	87.9	6.1	6.1	8.1		6		79				<0.2		2.4	
						8.3	0.3	318	27.2		8.0		24.5		87.9		6.1		8.1		6		79				<0.2		2.8	
SR2	Cloudy	Moderate	11:03	4.8	Surface	1.0	0.2	332	27.7	27.7	8.0	8.0	19.2	19.2	90.3	90.3	6.4	6.4	5.3	7.4	5	4	75	78	821462	814150	<0.2	<0.2	3.1	3.0
						1.0	0.2	352	27.7		8.0		19.2		90.3		6.4		5.3		4		76				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	30	27.3	27.3	8.0	8.0	21.7	21.7	88.6	88.6	6.2	6.2	9.4		4		80				<0.2		2.9	
						3.8	0.2	32	27.3		8.0		21.7		88.6		6.2		9.4		4		79				<0.2		3.0	
SR3	Cloudy	Rough	12:17	9.3	Surface	1.0	0.3	21	27.8	27.8	8.1	8.1	20.9	20.9	96.7	96.7	6.8	6.7	3.6	5.0	5	4	-	-	822141	807553	-	-	-	-
						1.0	0.3	21	27.8		8.1		20.9		96.7		6.8		3.6		5		-				-		-	
					Middle	4.7	0.5	12	27.8	27.8	8.1	8.1	20.9	20.9	94.5	94.5	6.6		4.5		4		-				-		-	
						4.7	0.5	13	27.8		8.1		20.9		94.5		6.6		4.5		2		-				-		-	
					Bottom	8.3	0.3	349	27.5	27.5	8.1	8.1	21.5	21.5	90.1	90.1	6.3	6.3	7.0		4		-				-		-	
						8.3	0.4	351	27.5		8.1		21.5		90.1		6.3		7.0		3		-				-		-	
SR4A	Cloudy	Moderate	10:54	8.3	Surface	1.0	0.1	280	27.6	27.6	8.0	8.0	22.1	22.1	98.6	98.6	6.9	6.8	3.6	4.4	3	4	-	-	817177	807804	-	-	-	-
						1.0	0.1	300	27.6		8.0		22.1		98.6		6.9		3.6		5		-				-		-	
					Middle	4.2	0.1	283	27.5	27.5	8.0	8.0	22.3	22.3	95.1	95.1	6.6		4.4		4		-				-		-	
						4.2	0.1	291	27.5		8.0		22.3		95.1		6.6		4.4		3		-				-		-	
					Bottom	7.3	0.3	76	27.2	27.2	8.0	8.0	25.1	25.1	92.8	92.8	6.4	6.4	5.2		3		-				-		-	
						7.3	0.3	79	27.2		8.0		25.1		92.8		6.4		5.2		4		-				-		-	
SR5A	Cloudy	Moderate	10:34	5.4	Surface	1.0	0.1	340	27.7	27.7	7.9	7.9	22.6	22.6	97.9	97.9	6.8	6.8	3.3	3.6	5	4	-	-	816586	810708	-	-	-	-
						1.0	0.1	313	27.7		7.9		22.6		97.8		6.8		3.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	326	27.5	27.5	7.9	7.9	23.0	23.0	95.8	95.8	6.7	6.7	3.8		5		-				-		-	
						4.4	0.1	328	27.5		7.9		23.0		95.8		6.7		3.9		3		-				-		-	
SR6	Cloudy	Moderate	10:06	4.8	Surface	1.0	0.0	197	27.6	27.6	7.8	7.8	20.7	20.7	92.3	92.3	6.5	6.5	4.8	5.7	6	6	-	-	817901	814657	-	-	-	-
						1.0	0.0	216	27.6		7.8		20.7		92.3		6.5		4.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	87	27.6	27.6	7.8	7.8	20.7	20.7	93.5	93.6	6.6	6.6	6.5		5		-				-		-	
						3.8	0.1	94	27.6		7.8		20.7		93.6		6.6		6.5		7		-				-		-	
SR7	Cloudy	Moderate	09:59	15.2	Surface	1.0	0.0	147	27.8	27.8	7.9	7.9	19.6	19.6	94.6	94.6	6.7	6.4	1.0	1.7	4	4	-	-	823635	823729	-	-	-	-
						1.0	0.0	151	27.8		7.9		19.6		94.6		6.7		1.0		3		-				-		-	
					Middle	7.6	0.2	171	27.1	27.1	8.0	8.0	25.2	25.2	88.6	88.6	6.1		1.9		4		-				-		-	
						7.6	0.2	179	27.1		8.0		25.2		88.6		6.1		1.9		3		-				-		-	
					Bottom	14.2	0.1	150	26.7	26.7	8.0	8.0	28.2	28.2	87.1	87.1	6.0	6.0	2.3		4		-				-		-	
						14.2	0.1	162	26.7		8.0		28.2		87.1		6.0		2.3		3		-				-		-	
SR8	Cloudy	Moderate	11:19	5.7	Surface	1.0	0.1	307	27.7	27.7	8.0	8.0	19.9	19.9	95.0	95.0	6.7	6.7	3.7	4.7	4	4	-	-	820403	811590	-	-	-	-
						1.0	0.1	312	27.7		8.0		19.9		95.0		6.7		3.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.1	272	27.5	27.5	8.0	8.0	20.7	20.7	94.9	94.9	6.7	6.7	5.6		4		-				-		-	
						4.7	0.1	276	27.5		8.0		20.7		94.9		6.7		5.7		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 01 June 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	18:34	6.7	Surface	1.0	0.6	109	27.8	27.8	8.2	8.2	21.3	21.4	124.5	123.7	8.7	8.4	5.8	6.3	19	14	74	75	815631	804230	<0.2	<0.2	1.5	1.5
						1.0	0.6	113	27.8		8.2		21.4		122.9		8.6		6.0		22		74				<0.2		1.6	
					Middle	3.4	0.6	135	27.6	27.6	8.2	8.2	21.9	21.9	116.6	116.2	8.1		6.1		11		75				<0.2		1.5	
						3.4	0.6	145	27.6		8.2		21.9		115.8		8.1		6.2		10		75				<0.2		1.5	
					Bottom	5.7	0.5	198	27.6	27.6	8.1	8.1	22.3	22.4	111.5	110.4	7.8	7.7	6.8		10		76				<0.2		1.4	
						5.7	0.6	205	27.6		8.1		22.5		109.2		7.6		6.9		10		77				<0.2		1.5	
C2	Cloudy	Rough	16:51	12.4	Surface	1.0	0.7	69	28.0	28.0	8.0	8.0	20.0	20.0	97.8	97.8	6.9	6.7	3.0	2.9	6	7	75	77	825696	806943	<0.2	<0.2	2.5	2.5
						1.0	0.8	71	28.0		8.0		20.0		97.8		6.9		3.0		6		75				<0.2		2.4	
					Middle	6.2	0.6	60	27.8	27.8	8.0	8.0	20.1	20.1	90.8	90.8	6.4		3.4		8		77				<0.2		2.6	
						6.2	0.6	64	27.8		8.0		20.1		90.8		6.4		3.4		8		77				<0.2		2.5	
					Bottom	11.4	0.4	68	27.6	27.6	7.9	7.9	21.3	21.3	91.0	91.0	6.4	6.4	2.3		6		78				<0.2		2.5	
						11.4	0.4	71	27.6		7.9		21.3		91.0		6.4		2.3		5		78				<0.2		2.5	
C3	Cloudy	Moderate	18:54	13.0	Surface	1.0	0.3	312	27.6	27.6	8.0	8.0	20.2	20.2	90.9	90.9	6.4	6.3	5.2	4.1	8	8	78	79	822124	817807	<0.2	<0.2	2.4	2.2
						1.0	0.3	331	27.6		8.0		20.2		90.9		6.4		5.2		7		77				<0.2		2.1	
					Middle	6.5	0.4	263	27.2	27.2	8.0	8.0	23.6	23.6	88.7	88.7	6.2		4.4		9		78				<0.2		2.1	
						6.5	0.4	270	27.2		8.0		23.6		88.7		6.2		4.4		7		79				<0.2		2.0	
					Bottom	12.0	0.2	287	26.9	26.9	8.0	8.0	27.2	27.2	89.2	89.2	6.1	6.1	2.6		9		80				<0.2		2.2	
						12.0	0.2	309	26.9		8.0		27.2		89.2		6.1		2.6		7		80				<0.2		2.2	
IM1	Cloudy	Rough	18:04	7.5	Surface	1.0	0.8	105	27.8	27.8	8.2	8.2	21.5	21.5	125.4	125.4	8.7	8.6	4.5	4.9	7	10	73	75	818366	806477	<0.2	<0.2	1.9	2.0
						1.0	0.9	110	27.8		8.2		21.5		125.4		8.7		4.5		6		73				<0.2		1.8	
					Middle	3.8	0.9	98	27.8	27.8	8.2	8.2	21.5	21.5	121.1	121.1	8.4		4.8		10		75				<0.2		2.1	
						3.8	1.0	100	27.8		8.2		21.5		121.1		8.4		4.8		12		75				<0.2		2.0	
					Bottom	6.5	1.0	89	27.8	27.8	8.2	8.2	21.7	21.7	116.2	116.1	8.1	8.1	5.3		13		77				<0.2		2.2	
						6.5	1.1	89	27.8		8.2		21.7		116.0		8.1		5.5		11		76				<0.2		2.0	
IM2	Cloudy	Rough	17:55	8.0	Surface	1.0	0.7	79	27.9	27.9	8.2	8.2	21.4	21.4	122.5	122.5	8.5	8.4	4.3	4.6	7	8	73	75	818842	806192	<0.2	<0.2	2.0	2.0
						1.0	0.7	83	27.9		8.2		21.4		122.5		8.5		4.3		7		73				<0.2		2.0	
					Middle	4.0	0.7	66	27.8	27.8	8.2	8.2	21.7	21.7	118.6	118.6	8.3		4.6		7		75				<0.2		2.0	
						4.0	0.8	67	27.8		8.2		21.7		118.6		8.3		4.6		9		75				<0.2		2.0	
					Bottom	7.0	0.6	149	27.8	27.8	8.2	8.2	21.9	21.9	115.3	115.3	8.0	8.0	4.8		8		76				<0.2		2.0	
						7.0	0.6	161	27.8		8.2		21.9		115.3		8.0		4.8		7		77				<0.2		2.0	
IM3	Cloudy	Rough	17:43	8.2	Surface	1.0	0.8	55	27.8	27.8	8.1	8.1	21.6	21.6	108.0	107.9	7.5	7.5	3.3	3.6	7	7	74	76	819420	806029	<0.2	<0.2	2.6	2.4
						1.0	0.8	58	27.8		8.1		21.6		107.8		7.5		3.3		8		73				<0.2		2.3	
					Middle	4.1	0.8	64	27.8	27.8	8.1	8.1	21.7	21.7	105.7	105.7	7.4		3.5		8		76				<0.2		2.4	
						4.1	0.8	66	27.8		8.1		21.7		105.7		7.4		3.5		7		76				<0.2		2.4	
					Bottom	7.2	0.9	114	27.7	27.7	8.0	8.0	22.1	22.1	103.4	103.4	7.2	7.2	3.9		6		77				<0.2		2.5	
						7.2	1.0	117	27.7		8.0		22.1		103.4		7.2		4.1		8		77				<0.2		2.4	
IM4	Cloudy	Rough	17:33	8.0	Surface	1.0	0.6	100	27.9	28.0	8.1	8.1	19.9	19.9	111.6	111.0	7.8	7.4	5.0	5.6	7	9	73	75	819564	805024	<0.2	<0.2	2.2	2.2
						1.0	0.6	104	28.0		8.1		19.9		110.3		7.7		5.0		8		73				<0.2		2.3	
					Middle	4.0	0.6	97	27.6	27.6	8.0	8.0	21.5	21.5	100.0	100.0	7.0		5.5		9		76				<0.2		2.2	
						4.0	0.7	101	27.6		8.0		21.5		100.0		7.0		5.5		10		76				<0.2		2.3	
					Bottom	7.0	0.6	146	27.3	27.3	8.0	8.0	25.1	25.1	96.9	96.9	6.7	6.7	6.5		10		76				<0.2		2.2	
						7.0	0.7	153	27.3		8.0		25.1		96.9		6.7		6.1		11		77				<0.2		2.1	
IM5	Cloudy	Rough	17:19	7.0	Surface	1.0	0.7	72	27.8	27.8	8.1	8.1	19.4	19.4	108.7	108.3	7.7	7.2	4.8	5.6	15	11	73	75	820552	804904	<0.2	<0.2	2.4	2.1
						1.0	0.7	73	27.8		8.1		19.4		107.9		7.6		4.8		16		73				<0.2		2.2	
					Middle	3.5	0.7	84	27.4	27.4	8.0	8.0	21.8	21.8	96.7	96.7	6.8		5.8		7		76				<0.2		1.8	
						3.5	0.7	88	27.4		8.0		21.8		96.6		6.8		5.7		8		76				<0.2		2.0	
					Bottom	6.0	0.5	133	27.1	27.1	8.0	8.0	25.9	25.9	94.3	94.3	6.5	6.5	6.2		8		77				<0.2		2.0	
						6.0	0.5	145	27.1		8.0		25.9		94.3		6.5		6.2		9		77				<0.2		2.0	
IM6	Cloudy	Rough	17:06	6.4	Surface	1.0	0.6	74	27.9	27.9	8.0	8.0	19.7	19.7	105.7	105.7	7.4	7.0	4.1	4.9	10	7	73	75	821075	805847	<0.2	<0.2	2.0	2.0
						1.0	0.6	77	27.9		8.0		19.7		105.7		7.4		4.2		8		73				<0.2		2.0	
					Middle	3.2	0.4	122	27.4	27.4	8.0	8.0	22.3	22.3	93.1	93.1	6.5		4.9		6		76				<0.2		1.9	
						3.2	0.4	129	27.4		8.0		22.2		93.0		6.5		4.9		6		76				<0.2		1.9	
					Bottom	5.4	0.4	164	27.3	27.3	8.1	8.1	23.6	23.6	91.6	91.6	6.4	6.4	5.5		5		77				<0.2		1.9	
						5.4	0.4	175	27.3		8.1		23.6		91.6		6.4		5.5		7		77				<0.2		2.1	
IM7	Cloudy	Rough	16:51	8.0	Surface	1.0	0.7	74	27.9	27.9	8.0	8.0	20.6	20.6	101.0	101.0	7.1	6.9	4.1	4.7	7	5	73	75	821348	806827	<0.2	<0.2	2.1	2.1
						1.0	0.7	79	27.9		8.0		20.6		101.0		7.1		4.1		5		74				<0.2		2.0	
					Middle	4.0	0.6	81	27.6	27.6	8.0	8.0	22.6	22.6	95.3	95.3	6.6		4.5		5		76				<0.2		2.1	
						4.0	0.6	81	27.6		8.0		22.6		95.3		6.6		4.5		7		75				<0.2		2.1	
					Bottom	7.0	0.5	153	27.4	27.4	8.0	8.0	23.1	23.1	91.6	91.6	6.4	6.4	5.6		4		77				<0.2		2.1	
						7.0	0.5	161	27.4		8.0		23.1		91.6		6.4		5.6		4		77				<0.2		2.3	
IM8	Cloudy	Rough	17:23	8.6	Surface	1.0	0.7	72	28.0	28.0	8.1	8.1	20.6	20.6	106.4	106.4	7.4	7.2	4.4	4.3	7	9	75	77	821681	807852	<0.2	<0.2	2.2	2.3
						1.0	0.8	72	28.0		8.1		20.6		106.4		7.4		4.4		8		75				<0.2		2.0	
					Middle	4.3	0.5	92	27.7	27.7	8.1	8.1	21.5	21.5	99.9	99.9	7.0		3.8		7		76				<0.2		2.4	
						4.3	0.5	96	27.7		8.1		21.5		99.9		7.0		3.8		9		77				<0.2		2.3	
					Bottom	7.6	0.2	101	27.5	27.5	8.1	8.1	22.9	22.9	98.2	98.2	6.8	6.8	4.6		11		78				<0.2		2.3	
						7.6	0.2	103	27.5		8.1		22.9		98.2		6.8		4.6		9		79				<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 01 June 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	Rough	17:30	8.2	Surface	1.0	0.5	66	28.1	28.1	8.1	8.1	21.0	21.0	105.4	105.4	7.3	7.1	3.7	5.0	7	7	75	77	822088	808792	<0.2	<0.2	2.1	2.3
						1.0	0.5	66	28.1		8.1		21.0		105.4		7.3		3.7		9		75				<0.2		2.2	
					Middle	4.1	0.4	93	27.8	27.8	8.1	8.1	21.5	21.5	98.0	98.0	6.8		5.0		7		78				<0.2		2.3	
						4.1	0.5	100	27.8		8.1		21.5		97.9		6.8		5.1		6		77				<0.2		2.5	
					Bottom	7.2	0.3	65	27.6	27.6	8.1	8.1	21.9	21.9	97.1	97.1	6.8	6.8	6.2		5		79				<0.2		2.2	
						7.2	0.3	67	27.6		8.1		21.9		97.1		6.8		6.2		6		78				<0.2		2.3	
IM10	Cloudy	Rough	17:37	8.0	Surface	1.0	0.5	70	28.1	28.1	8.1	8.1	21.3	21.3	105.3	105.3	7.3	7.2	2.9	4.1	4	4	76	78	822228	809850	<0.2	<0.2	2.4	2.3
						1.0	0.6	76	28.1		8.1		21.3		105.3		7.3		2.9		4		76				<0.2		2.3	
					Middle	4.0	0.6	81	27.9	27.9	8.1	8.1	21.5	21.5	100.3	100.3	7.0		4.2		5		78				<0.2		2.3	
						4.0	0.6	82	27.9		8.1		21.5		100.3		7.0		4.2		4		78				<0.2		2.4	
					Bottom	7.0	0.1	94	27.8	27.8	8.1	8.1	22.0	22.0	100.8	100.8	7.0	7.0	5.2		4		78				<0.2		2.2	
						7.0	0.1	98	27.8		8.1		22.0		100.8		7.0		5.2		4		79				<0.2		2.1	
IM11	Cloudy	Rough	17:47	9.3	Surface	1.0	0.5	73	28.0	28.0	8.1	8.1	21.6	21.6	103.5	103.5	7.2	7.1	5.2	4.9	8	9	76	78	821508	810530	<0.2	<0.2	2.0	2.0
						1.0	0.5	79	28.0		8.1		21.6		103.5		7.2		5.2		7		77				<0.2		2.1	
					Middle	4.7	0.4	88	27.9	27.9	8.1	8.1	21.7	21.7	99.8	99.7	6.9		4.8		7		78				<0.2		2.0	
						4.7	0.4	94	27.8		8.1		21.7		99.6		6.9		4.7		9		78				<0.2		1.9	
					Bottom	8.3	0.2	69	27.7	27.7	8.1	8.1	22.1	22.1	99.5	99.5	6.9	6.9	4.6		11		79				<0.2		2.0	
						8.3	0.2	75	27.7		8.1		22.1		99.5		6.9		4.6		11		79				<0.2		2.0	
IM12	Cloudy	Rough	18:06	8.1	Surface	1.0	0.4	84	28.1	28.1	8.1	8.1	21.6	21.6	105.4	105.4	7.3	7.1	7.7	7.4	14	14	76	78	821181	811532	<0.2	<0.2	2.1	2.3
						1.0	0.4	90	28.1		8.1		21.6		105.4		7.3		7.7		13		77				<0.2		1.8	
					Middle	4.1	0.4	77	27.8	27.8	8.1	8.1	21.9	21.9	97.3	97.3	6.8		7.1		15		78				<0.2		2.4	
						4.1	0.4	80	27.8		8.1		21.9		97.3		6.8		7.1		13		78				<0.2		2.6	
					Bottom	7.1	0.2	65	27.4	27.4	8.0	8.0	23.9	23.9	98.1	98.1	6.8	6.8	7.5		14		79				<0.2		2.4	
						7.1	0.2	67	27.4		8.0		23.9		98.1		6.8		7.5		13		77				<0.2		2.2	
SR2	Cloudy	Moderate	18:27	4.9	Surface	1.0	0.5	61	28.0	28.0	8.1	8.1	21.1	21.1	102.0	101.9	7.1	7.1	2.2	2.2	9	6	78	79	821463	814176	<0.2	<0.2	2.9	2.6
						1.0	0.5	64	28.0		8.1		21.1		101.8		7.1		2.3		8		77				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	62	27.8	27.8	8.0	8.0	21.5	21.5	98.9	98.9	6.9	6.9	2.2		4		79				<0.2		2.4	
						3.9	0.2	67	27.8		8.0		21.5		98.9		6.9		2.2		4		80				<0.2		2.5	
SR3	Cloudy	Rough	17:16	9.0	Surface	1.0	0.7	75	28.1	28.1	8.1	8.1	19.9	19.9	110.0	110.0	7.7	7.4	4.5	5.7	8	7	-	-	822145	807578	-	-	-	-
						1.0	0.7	78	28.1		8.1		19.9		110.0		7.7		4.5		6		-				-		-	
					Middle	4.5	0.6	71	27.8	27.8	8.1	8.1	20.6	20.6	101.8	101.8	7.1		4.1		6		-				-		-	
						4.5	0.7	75	27.8		8.1		20.6		101.8		7.1		4.1		8		-				-		-	
					Bottom	8.0	0.2	84	27.7	27.7	8.1	8.1	22.5	22.5	103.4	103.4	7.2	7.2	8.5		6		-				-		-	
						8.0	0.2	84	27.7		8.1		22.5		103.4		7.2		8.5		6		-				-		-	
SR4A	Cloudy	Moderate	18:51	7.7	Surface	1.0	0.4	96	27.9	27.9	8.1	8.1	22.5	22.5	105.7	105.7	7.3	7.3	5.8	6.8	6	8	-	-	817174	807823	-	-	-	-
						1.0	0.4	96	27.9		8.1		22.5		105.7		7.3		5.8		7		-				-		-	
					Middle	3.9	0.3	101	27.8	27.8	8.1	8.1	22.6	22.6	103.4	103.4	7.2		6.6		8		-				-		-	
						3.9	0.4	110	27.8		8.1		22.6		103.3		7.2		6.7		7		-				-		-	
					Bottom	6.7	0.3	143	27.7	27.7	8.0	8.0	23.2	23.2	99.9	99.9	6.9	6.9	7.8		9		-				-		-	
						6.7	0.3	145	27.7		8.0		23.2		99.9		6.9		7.8		10		-				-		-	
SR5A	Cloudy	Moderate	19:06	4.8	Surface	1.0	0.3	125	28.3	28.3	8.1	8.1	22.9	22.9	108.3	108.3	7.4	7.4	4.5	4.7	6	6	-	-	816591	810706	-	-	-	-
						1.0	0.3	132	28.3		8.1		22.9		108.3		7.4		4.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	130	27.7	27.7	8.0	8.0	23.4	23.4	102.8	102.8	7.1	7.1	4.9		7		-				-		-	
						3.8	0.3	138	27.7		8.0		23.4		102.8		7.1		4.9		5		-				-		-	
SR6	Cloudy	Moderate	19:28	4.3	Surface	1.0	0.2	152	28.0	28.0	8.1	8.1	21.4	21.4	101.3	101.3	7.0	7.0	3.8	4.5	7	7	-	-	817903	814664	-	-	-	-
						1.0	0.2	155	28.0		8.1		21.4		101.3		7.0		3.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	163	27.7	27.7	8.0	8.0	21.8	21.8	99.0	99.0	6.9	6.9	5.1		7		-				-		-	
						3.3	0.2	168	27.7		8.0		21.8		99.0		6.9		5.1		7		-				-		-	
SR7	Cloudy	Moderate	19:25	16.1	Surface	1.0	0.1	164	27.7	27.7	8.0	8.0	19.8	19.8	93.2	93.2	6.6	6.4	1.5	1.4	3	4	-	-	823652	823749	-	-	-	-
						1.0	0.1	175	27.7		8.0		19.8		93.2		6.6		1.5		5		-				-		-	
					Middle	8.1	0.1	162	27.0	27.0	8.0	8.0	25.4	25.4	87.7	87.7	6.1		1.4		4		-				-		-	
						8.1	0.1	167	27.0		8.0		25.4		87.7		6.1		1.4		3		-				-		-	
					Bottom	15.1	0.0	193	26.8	26.8	8.0	8.0	27.2	27.2	89.0	89.0	6.1	6.1	1.4		4		-				-		-	
						15.1	0.0	205	26.8		8.0		27.2		89.0		6.1		1.4		6		-				-		-	
SR8	Cloudy	Moderate	18:14	5.2	Surface	1.0	0.1	221	27.8	27.8	8.1	8.1	21.9	21.9	96.2	96.2	6.7	6.7	5.0	5.1	8	7	-	-	820408	811578	-	-	-	-
						1.0	0.1	227	27.8		8.1		21.9		96.2		6.7		5.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	229	27.5	27.5	8.0	8.0	23.1	23.1	95.9	95.9	6.7	6.7	5.1		6		-				-		-	
						4.2	0.1	243	27.5		8.0		23.1		95.9		6.7		5.1		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 04 June 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	15:51	8.1	Surface	1.0	0.6	30	27.2	27.1	7.8	7.8	20.1	19.5	84.3	84.3	6.0	6.0	16.5	22.1	9	8	80	78	815620	804240	<0.2	<0.2	1.8	1.7
						1.0	0.6	31	27.0		7.8		18.9		84.3		6.0		17.1		10		79				<0.2		1.7	
					Middle	4.1	0.5	38	26.7	26.7	7.8	7.8	22.1	22.2	83.6	83.6	5.9		22.6		6		77				<0.2		1.6	
						4.1	0.6	38	26.7		7.8		22.2		83.6		5.9		22.3		7		77				<0.2		1.6	
					Bottom	7.1	0.4	34	26.6	26.6	7.8	7.8	22.4	22.4	84.2	84.4	5.9	6.0	27.3		8		78				<0.2		1.6	
						7.1	0.4	34	26.6		7.8		22.4		84.5		6.0		27.0		10		77				<0.2		1.7	
C2	Cloudy	Moderate	14:15	11.4	Surface	1.0	0.5	57	27.8	27.8	7.7	7.7	17.4	17.4	74.2	74.0	5.3	4.9	4.7	5.7	12	11	80	81	825695	806933	<0.2	<0.2	2.0	2.2
						1.0	0.5	59	27.8		7.7		17.4		73.7		5.3		4.8		10		81				<0.2		2.2	
					Middle	5.7	0.5	68	26.0	26.0	7.7	7.7	21.3	21.3	61.6	61.6	4.4		6.3		12		83				<0.2		2.4	
						5.7	0.5	68	26.0		7.7		21.3		61.5		4.4		6.4		12		83				<0.2		2.2	
					Bottom	10.4	0.3	66	25.9	26.0	7.7	7.7	22.7	22.6	63.1	63.5	4.5	4.6	6.5		11		80				<0.2		2.2	
						10.4	0.4	69	26.0		7.7		22.4		63.9		4.6		5.7		9		80				<0.2		1.9	
C3	Cloudy	Moderate	15:54	12.4	Surface	1.0	0.5	228	25.4	25.4	7.9	7.9	24.7	24.6	86.4	86.4	6.2	6.2	2.2	3.2	5	6	82	82	822125	817783	<0.2	<0.2	1.9	1.9
						1.0	0.5	233	25.3		7.9		24.4		86.3		6.2		2.4		6		83				<0.2		2.1	
					Middle	6.2	0.4	220	23.9	23.9	7.8	7.8	27.4	27.5	86.9	86.9	6.2		3.5		4		83				<0.2		1.7	
						6.2	0.4	236	23.9		7.8		27.5		86.9		6.2		3.7		5		82				<0.2		1.9	
					Bottom	11.4	0.4	225	23.4	23.5	7.8	7.8	29.8	29.8	87.4	87.4	6.2	6.2	3.7		8		82				<0.2		2.1	
						11.4	0.4	240	23.5		7.8		29.8		87.4		6.2		3.6		10		81				<0.2		1.9	
IM1	Cloudy	Moderate	15:23	7.3	Surface	1.0	0.5	353	27.3	27.3	7.8	7.8	19.4	19.4	84.2	84.3	6.0	6.0	15.2	22.8	8	6	78	79	818355	806439	<0.2	<0.2	1.9	1.7
						1.0	0.5	325	27.2		7.8		19.4		84.4		6.0		16.4		7		79				<0.2		1.7	
					Middle	3.7	0.5	13	26.7	26.7	7.8	7.8	22.0	22.0	83.5	83.5	5.9		26.0		5		79				<0.2		1.7	
						3.7	0.5	13	26.7		7.8		22.0		83.5		5.9		26.3		5		80				<0.2		1.7	
					Bottom	6.3	0.5	27	26.7	26.7	7.8	7.8	22.3	22.3	83.8	83.9	5.9	5.9	26.2		7		80				<0.2		1.5	
						6.3	0.5	28	26.7		7.8		22.2		84.0		5.9		26.5		6		79				<0.2		1.7	
IM2	Cloudy	Moderate	15:13	7.1	Surface	1.0	0.6	16	27.3	27.3	7.7	7.7	17.3	17.3	80.9	81.0	5.8	6.0	9.9	19.2	6	7	77	79	818870	806185	<0.2	<0.2	1.7	1.8
						1.0	0.6	16	27.3		7.7		17.3		81.0		5.8		10.1		6		79				<0.2		1.7	
					Middle	3.6	0.6	35	26.9	26.9	7.8	7.8	19.8	19.8	85.7	85.8	6.1		23.6		7		80				<0.2		1.8	
						3.6	0.6	38	26.9		7.8		19.8		85.9		6.1		24.3		6		78				<0.2		1.8	
					Bottom	6.1	0.4	20	26.8	26.8	7.8	7.8	21.9	21.9	89.1	89.2	6.3	6.3	24.0		7		78				<0.2		1.8	
						6.1	0.4	20	26.8		7.8		21.9		89.3		6.3		23.3		9		79				<0.2		1.8	
IM3	Cloudy	Moderate	15:01	8.0	Surface	1.0	0.6	24	27.3	27.3	7.7	7.8	16.9	16.8	79.2	79.6	5.7	5.8	11.6	19.1	9	8	78	78	819401	806004	<0.2	<0.2	1.8	1.9
						1.0	0.6	24	27.2		7.8		16.7		79.9		5.8		13.2		11		78				<0.2		1.6	
					Middle	4.0	0.5	30	27.0	27.0	7.8	7.8	19.6	19.6	80.7	80.8	5.8		21.1		8		77				<0.2		1.8	
						4.0	0.6	31	26.9		7.8		19.6		80.9		5.8		22.3		8		78				<0.2		2.1	
					Bottom	7.0	0.4	36	26.8	26.8	7.8	7.8	21.9	21.9	79.5	79.5	5.6	5.6	23.1		6		77				<0.2		2.0	
						7.0	0.4	37	26.8		7.8		21.9		79.4		5.6		23.1		6		78				<0.2		2.1	
IM4	Cloudy	Moderate	14:49	7.7	Surface	1.0	0.6	18	27.2	27.2	7.8	7.8	16.8	16.8	79.5	79.5	5.8	5.8	14.3	18.6	8	8	78	78	819581	805054	<0.2	<0.2	2.0	2.2
						1.0	0.6	19	27.1		7.8		16.7		79.5		5.8		14.3		6		78				<0.2		2.0	
					Middle	3.9	0.5	20	27.0	27.0	7.8	7.8	19.8	19.9	79.8	79.9	5.7		19.9		7		80				<0.2		2.0	
						3.9	0.5	21	26.9		7.8		19.9		79.9		5.7		22.8		6		79				<0.2		2.3	
					Bottom	6.7	0.4	26	26.9	26.9	7.8	7.8	21.9	21.9	78.0	78.0	5.5	5.5	20.4		10		76				<0.2		2.2	
						6.7	0.4	26	26.9		7.8		21.9		77.9		5.5		19.6		10		78				<0.2		2.4	
IM5	Cloudy	Moderate	14:38	7.8	Surface	1.0	0.6	27	27.3	27.3	7.7	7.8	16.9	16.8	78.6	78.9	5.7	5.7	10.4	16.3	8	9	80	78	820563	804932	<0.2	<0.2	2.2	2.1
						1.0	0.7	29	27.2		7.8		16.6		79.2		5.7		11.5		9		79				<0.2		2.1	
					Middle	3.9	0.5	23	27.0	27.0	7.8	7.8	19.4	19.3	79.6	79.6	5.7		16.8		9		77				<0.2		2.4	
						3.9	0.5	23	26.9		7.8		19.2		79.5		5.7		19.3		8		77				<0.2		2.2	
					Bottom	6.8	0.4	17	26.8	26.9	7.8	7.8	21.8	21.8	78.1	77.9	5.5	5.5	20.8		10		78				<0.2		1.6	
						6.8	0.4	18	26.9		7.8		21.7		77.7		5.5		18.8		10		77				<0.2		2.1	
IM6	Cloudy	Moderate	14:25	7.5	Surface	1.0	0.4	29	27.1	27.1	7.8	7.8	17.8	17.7	78.5	78.5	5.6	5.6	15.0	19.7	7	9	78	78	821044	805835	<0.2	<0.2	2.3	2.4
						1.0	0.5	30	27.1		7.8		17.6		78.5		5.7		15.4		9		78				<0.2		2.2	
					Middle	3.8	0.6	43	26.8	26.8	7.8	7.8	20.7	20.7	78.6	78.8	5.6		20.3		11		77				<0.2		2.4	
						3.8	0.6	43	26.8		7.8		20.7		79.0		5.6		22.4		13		79				<0.2		2.5	
					Bottom	6.5	0.4	53	26.8	26.8	7.8	7.8	21.8	21.8	78.2	78.2	5.5	5.5	22.9		6		78				<0.2		2.3	
						6.5	0.4	56	26.8		7.8		21.8		78.1		5.5		22.3		8		79				<0.2		2.4	
IM7	Cloudy	Moderate	14:15	7.6	Surface	1.0	0.5	43	27.3	27.3	7.8	7.8	17.8	17.7	77.9	78.0	5.6	5.6	9.9	15.1	9	10	80	78	821351	806833	<0.2	<0.2	2.2	2.4
						1.0	0.5	43	27.2		7.8		17.5		78.0		5.6		10.7		7		77				<0.2		2.6	
					Middle	3.8	0.3	72	27.0	27.0	7.8	7.8	20.0	19.9	78.3	78.4	5.6		16.2		9		78				<0.2		2.6	
						3.8	0.3	78	26.9		7.8		19.8		78.4		5.6		18.2		11		78				<0.2		2.3	
					Bottom	6.6	0.3	60	26.9	26.9	7.8	7.8	21.8	21.8	77.7	77.7	5.5	5.5	18.1		12		77				<0.2		2.4	
						6.6	0.3	61	26.9		7.8		21.7		77.6		5.5		17.4		11		78				<0.2		2.4	
IM8	Cloudy	Moderate	14:33	7.4	Surface	1.0	0.5	52	27.5	27.5	7.8	7.8	17.3	17.3	84.7	85.9	6.1	6.5	8.9	14.2	11	11	83	83	821695	807838	<0.2	<0.2	2.4	2.3
						1.0	0.6	52	27.5		7.8		17.3		87.1		6.3		10.2		10		84				<0.2		2.4	
					Middle	3.7	0.5	70	27.3	27.3	7.8	7.9	19.1	19.2	94.2	94.4	6.7		16.5		12		83				<0.2		2.4	
						3.7	0.5	75	27.3		7.9		19.3		94.5		6.7		16.8		11		83				<0.2		2.3	
					Bottom	6.4	0.3	79	27.3	27.3	7.9	7.9	21.1	21.1	87.8	87.6	6.2	6.2	16.7		11		83				<0.2		2.2	
						6.4	0.4	82	27.3		7.9		21.1		87.3		6.1		16.3		13		84				<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 04 June 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	14:45	7.5	Surface	1.0	0.2	50	27.9	27.9	7.8	7.8	17.0	17.0	86.8	87.0	6.2	6.0	5.8	8.3	9	11	83	83	822078	808792	<0.2	<0.2	2.0	1.9
						1.0	0.2	50	27.8		7.8		16.9		87.1		6.2		6.1		11		84				<0.2		1.8	
					Middle	3.8	0.3	55	26.5	26.5	7.8	7.8	22.5	21.9	80.9	80.9	5.7		9.0		10		84				<0.2		1.7	
						3.8	0.3	58	26.4		7.8		21.3		80.8		5.8		9.5		9		85				<0.2		1.8	
					Bottom	6.5	0.2	61	26.3	26.3	7.8	7.8	22.9	22.9	83.3	83.5	5.9	5.9	9.6		13		81				<0.2		2.2	
						6.5	0.3	63	26.3		7.8		22.9		83.6		5.9		9.5		11		81				<0.2		2.0	
IM10	Cloudy	Moderate	14:52	6.9	Surface	1.0	0.2	90	27.7	27.7	7.9	7.9	16.6	16.6	87.2	87.2	6.3	6.1	6.5	7.5	13	11	80	81	822258	809856	<0.2	<0.2	2.0	1.9
						1.0	0.2	96	27.7		7.9		16.6		87.2		6.3		6.5		11		79				<0.2		2.0	
					Middle	3.5	0.3	49	27.3	27.3	7.9	7.9	19.3	19.4	81.4	81.4	5.8		8.3		10		81				<0.2		1.9	
						3.5	0.3	50	27.3		7.8		19.4		81.3		5.8		8.4		11		82				<0.2		1.7	
					Bottom	5.9	0.3	58	26.3	26.3	7.8	7.8	22.9	22.9	85.2	85.4	6.0	6.1	7.8		12		83				<0.2		1.9	
						5.9	0.3	58	26.3		7.8		22.9		85.5		6.1		7.4		10		83				<0.2		1.9	
IM11	Cloudy	Moderate	15:02	7.1	Surface	1.0	0.2	93	27.8	27.8	7.8	7.8	17.0	17.0	86.9	87.0	6.2	6.1	5.5	6.9	11	11	83	82	821482	810540	<0.2	<0.2	1.9	2.0
						1.0	0.2	102	27.7		7.8		16.9		87.0		6.2		5.8		13		83				<0.2		2.1	
					Middle	3.6	0.3	41	27.3	27.4	7.9	7.9	19.8	19.7	84.2	83.6	6.0		7.0		9		79				<0.2		1.9	
						3.6	0.3	41	27.5		7.9		19.6		83.0		5.9		7.4		11		80				<0.2		2.0	
					Bottom	6.1	0.2	58	26.3	26.3	7.8	7.8	22.9	22.9	83.6	84.4	5.9	6.0	8.2		10		81				<0.2		2.0	
						6.1	0.3	59	26.3		7.8		22.9		85.2		6.0		7.5		11		84				<0.2		2.3	
IM12	Cloudy	Moderate	15:11	7.6	Surface	1.0	0.2	76	27.6	27.5	7.8	7.9	17.3	17.3	85.2	85.0	6.1	5.9	6.4	7.9	12	13	84	83	821162	811506	<0.2	<0.2	1.8	2.1
						1.0	0.2	76	27.4		7.9		17.3		84.8		6.1		6.7		14		83				<0.2		1.8	
					Middle	3.8	0.3	60	27.2	27.4	7.9	7.9	20.9	20.6	82.3	81.8	5.8		8.0		14		81				<0.2		2.4	
						3.8	0.3	65	27.5		7.9		20.3		81.3		5.7		8.7		12		81				<0.2		2.1	
					Bottom	6.6	0.3	66	26.3	26.3	7.8	7.8	22.9	22.9	83.1	83.9	5.9	6.0	9.2		15		83				<0.2		2.5	
						6.6	0.3	66	26.3		7.8		22.8		84.6		6.0		8.6		13		83				<0.2		2.2	
SR2	Cloudy	Moderate	15:38	4.6	Surface	1.0	0.5	267	27.1	27.1	7.9	7.9	21.2	21.1	87.9	87.9	6.2	6.2	5.8	5.9	5	4	81	82	821443	814169	<0.2	<0.2	2.0	1.9
						1.0	0.5	284	27.1		7.9		21.0		87.9		6.2		5.8		4		80				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	260	26.5	26.6	7.9	7.9	22.3	22.3	89.9	91.0	6.4	6.5	6.1		4		82				<0.2		1.8	
						3.6	0.4	275	26.6		7.9		22.2		92.1		6.5		6.0		4		83				<0.2		1.5	
SR3	Cloudy	Moderate	14:26	8.2	Surface	1.0	0.4	63	27.5	27.5	7.8	7.8	17.3	17.3	92.6	92.9	6.6	7.0	10.9	17.4	10	9	-	-	822161	807565	-	-	-	-
						1.0	0.4	63	27.5		7.8		17.3		93.2		6.7		11.2		8		-				-		-	
					Middle	4.1	0.5	74	27.3	27.3	7.9	7.9	19.9	19.9	102.3	102.4	7.3		19.6		9		-				-		-	
						4.1	0.5	80	27.3		7.9		19.9		102.4		7.3		20.0		10		-				-		-	
					Bottom	7.2	0.3	72	27.3	27.3	8.0	8.0	21.1	21.1	100.4	99.8	7.1	7.1	21.8		10		-				-		-	
						7.2	0.3	74	27.3		8.0		21.1		99.2		7.0		20.8		7		-				-		-	
SR4A	Cloudy	Moderate	16:18	8.5	Surface	1.0	0.1	71	27.3	27.3	8.0	8.0	22.0	22.0	109.0	108.4	7.6	7.4	14.8	16.8	7	6	-	-	817198	807813	-	-	-	-
						1.0	0.1	76	27.3		8.0		22.0		107.8		7.6		16.4		5		-				-		-	
					Middle	4.3	0.2	81	27.2	27.2	8.0	8.0	22.2	22.3	102.6	101.9	7.2		17.9		7		-				-		-	
						4.3	0.2	81	27.2		8.0		22.3		101.1		7.1		18.5		6		-				-		-	
					Bottom	7.5	0.2	71	26.7	26.7	7.9	7.9	23.1	23.1	96.3	96.4	6.8	6.8	16.7		6		-				-		-	
						7.5	0.2	72	26.7		7.9		23.1		96.4		6.8		16.6		6		-				-		-	
SR5A	Cloudy	Moderate	16:31	5.3	Surface	1.0	0.1	313	27.2	27.2	8.0	8.0	21.6	21.7	103.6	103.3	7.3	7.3	12.7	12.4	8	8	-	-	816605	810709	-	-	-	-
						1.0	0.1	340	27.1		8.0		21.7		102.9		7.3		11.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	320	26.9	27.0	7.9	8.0	22.1	22.1	105.0	105.8	7.4	7.5	12.5		8		-				-		-	
						4.3	0.1	336	27.0		8.0		22.1		106.5		7.5		12.4		10		-				-		-	
SR6	Cloudy	Moderate	16:55	5.1	Surface	1.0	0.1	235	27.4	27.5	8.0	8.1	21.3	21.2	114.2	114.7	8.0	8.1	10.2	11.9	7	8	-	-	817908	814647	-	-	-	-
						1.0	0.1	245	27.5		8.1		21.0		115.1		8.1		9.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	252	26.9	26.9	7.9	7.9	22.3	22.3	99.7	100.7	7.0	7.1	14.0		8		-				-		-	
						4.1	0.1	269	26.9		7.9		22.3		101.7		7.2		13.8		9		-				-		-	
SR7	Cloudy	Moderate	16:31	16.9	Surface	1.0	0.1	162	24.1	24.1	7.8	7.8	28.4	28.4	87.2	87.2	6.2	6.2	2.4	2.7	3	4	-	-	823650	823730	-	-	-	-
						1.0	0.1	172	24.1		7.8		28.4		87.2		6.2		2.4		5		-				-		-	
					Middle	8.5	0.1	96	23.4	23.4	7.8	7.8	30.4	30.4	86.6	86.6	6.1		2.7		4		-				-		-	
						8.5	0.1	100	23.3		7.8		30.4		86.6		6.1		2.8		3		-				-		-	
					Bottom	15.9	0.2	174	23.1	23.1	7.8	7.8	31.0	31.0	86.6	86.6	6.1	6.1	2.7		3		-				-		-	
						15.9	0.2	177	23.1		7.8		31.0		86.6		6.1		2.9		3		-				-		-	
SR8	Cloudy	Moderate	15:23	5.0	Surface	1.0	0.5	288	27.0	27.0	7.8	7.8	19.3	19.3	84.0	84.0	6.0	6.0	7.3	7.8	2	2	-	-	820418	811600	-	-	-	-
						1.0	0.5	316	26.9		7.8		19.3		84.0		6.0		7.4		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.4	266	26.3	26.5	7.8	7.9	22.9	22.8	88.6	90.5	6.3	6.4	8.2		3		-				-		-	
						4.0	0.4	270	26.6		7.9		22.7		92.4		6.5		8.4		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 June 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	09:34	8.4	Surface	1.0	0.6	211	27.8	27.8	7.8	7.8	16.5	16.5	81.1	81.1	5.8	5.7	14.0	13.9	13	12	73	75	815632	804246	<0.2	<0.2	1.6	1.6
						1.0	0.6	224	27.7		7.8		16.5		81.0		5.8		14.0		15		73				<0.2		1.6	
					Middle	4.2	0.4	191	27.0	27.0	7.8	7.8	19.3	19.3	76.6	76.6	5.5		12.8		12		75				<0.2		1.6	
						4.2	0.4	191	27.0		7.8		19.3		76.6		5.5		13.3		10		75				<0.2		1.7	
					Bottom	7.4	0.6	120	25.3	25.4	7.8	7.8	25.6	25.6	79.5	81.1	5.6	5.7	15.2		11		76				<0.2		1.7	
						7.4	0.6	122	25.5		7.8		25.5		82.6		5.8		14.0		10		76				<0.2		1.6	
C2	Cloudy	Moderate	10:55	9.1	Surface	1.0	1.2	185	28.4	28.4	7.7	7.7	13.2	13.9	78.5	78.3	5.7	5.1	5.3	10.9	13	12	83	83	825697	806954	<0.2	<0.2	1.8	1.8
						1.0	1.3	188	28.4		7.7		14.6		78.0		5.6		5.4		11		80				<0.2		1.8	
					Middle	4.6	0.9	173	26.1	26.1	7.7	7.7	21.7	21.7	62.7	62.6	4.5		8.9		8		83				<0.2		1.6	
						4.6	1.0	177	26.1		7.7		21.6		62.5		4.5		9.3		10		81				<0.2		1.8	
					Bottom	8.1	0.7	172	25.0	25.0	7.7	7.7	25.0	25.1	60.3	60.9	4.3	4.4	17.5		13		83				<0.2		1.8	
						8.1	0.8	181	25.0		7.7		25.1		61.5		4.4		18.7		15		85				<0.2		1.7	
C3	Cloudy	Moderate	08:57	9.3	Surface	1.0	0.8	80	25.9	25.9	7.8	7.8	22.8	23.2	69.5	69.6	5.0	4.6	5.3	5.6	6	6	78	81	822117	817786	<0.2	<0.2	2.0	1.8
						1.0	0.9	87	25.8		7.8		23.6		69.7		5.0		5.2		5		81				<0.2		1.8	
					Middle	4.7	0.8	76	24.9	24.9	7.8	7.8	25.2	25.2	57.5	57.4	4.1		5.8		7		80				<0.2		1.6	
						4.7	0.9	79	24.9		7.8		25.2		57.3		4.1		5.7		5		82				<0.2		1.8	
					Bottom	8.3	0.8	83	23.8	23.9	7.8	7.8	28.2	28.1	59.2	60.3	4.3	4.4	5.9		6		81				<0.2		1.7	
						8.3	0.8	85	23.9		7.8		28.0		61.3		4.4		5.7		6		83				<0.2		1.8	
IM1	Cloudy	Moderate	10:09	8.6	Surface	1.0	0.5	216	27.7	27.7	7.8	7.8	16.8	16.8	80.1	80.0	5.7	5.5	9.4	11.3	12	10	73	75	818368	806465	<0.2	<0.2	1.8	1.7
						1.0	0.5	225	27.7		7.8		16.8		79.9		5.7		9.9		10		73				<0.2		1.9	
					Middle	4.3	0.2	203	27.1	27.1	7.8	7.8	19.3	19.3	74.0	73.9	5.3		11.2		11		75				<0.2		1.6	
						4.3	0.3	206	27.1		7.8		19.3		73.8		5.3		11.0		9		75				<0.2		1.6	
					Bottom	7.6	0.3	58	25.7	25.8	7.8	7.8	25.4	25.4	69.4	69.6	4.9	4.9	13.0		9		76				<0.2		1.8	
						7.6	0.3	63	25.8		7.8		25.3		69.7		4.9		13.0		10		76				<0.2		1.7	
IM2	Cloudy	Moderate	10:17	9.4	Surface	1.0	0.5	242	27.3	27.3	7.8	7.8	18.5	18.7	86.3	86.3	6.2	6.1	8.9	10.1	9	10	73	75	818836	806198	<0.2	<0.2	1.7	1.6
						1.0	0.6	248	27.3		7.8		18.9		86.2		6.1		8.8		11		73				<0.2		1.6	
					Middle	4.7	0.5	235	27.1	27.1	7.8	7.8	20.1	20.1	85.0	84.9	6.0		10.2		8		75				<0.2		1.6	
						4.7	0.5	252	27.1		7.8		20.1		84.8		6.0		10.3		10		75				<0.2		1.5	
					Bottom	8.4	0.4	167	27.0	27.0	7.8	7.8	20.5	20.5	84.1	84.2	6.0	6.0	11.1		9		76				<0.2		1.5	
						8.4	0.5	176	26.9		7.8		20.5		84.3		6.0		11.2		10		77				<0.2		1.5	
IM3	Cloudy	Moderate	10:32	9.3	Surface	1.0	0.4	239	27.3	27.3	7.8	7.8	19.3	19.3	87.1	87.1	6.2	6.2	8.5	9.6	12	9	73	75	819428	806019	<0.2	<0.2	1.4	1.5
						1.0	0.4	246	27.3		7.8		19.3		87.1		6.2		8.5		10		73				<0.2		1.5	
					Middle	4.7	0.3	256	27.1	27.2	7.8	7.8	20.1	20.1	86.2	86.2	6.1		9.6		8		75				<0.2		1.3	
						4.7	0.3	260	27.2		7.8		20.1		86.2		6.1		9.8		10		75				<0.2		1.5	
					Bottom	8.3	0.3	140	26.9	26.9	7.8	7.8	20.5	20.5	87.1	87.2	6.2	6.2	10.7		8		77				<0.2		1.7	
						8.3	0.3	147	26.9		7.8		20.5		87.2		6.2		10.7		6		77				<0.2		1.5	
IM4	Cloudy	Moderate	10:40	8.7	Surface	1.0	1.1	242	27.6	27.6	7.8	7.8	15.4	15.4	78.5	78.5	5.7	5.6	9.4	13.1	11	10	73	75	819578	805025	<0.2	<0.2	1.7	1.6
						1.0	1.1	261	27.6		7.8		15.4		78.4		5.7		9.6		9		73				<0.2		1.5	
					Middle	4.4	1.0	242	27.3	27.3	7.8	7.8	18.0	18.0	77.1	77.0	5.5		13.6		10		75				<0.2		1.5	
						4.4	1.0	253	27.3		7.8		18.0		76.9		5.5		14.2		10		75				<0.2		1.5	
					Bottom	7.7	0.8	233	27.2	27.2	7.8	7.8	18.4	18.4	77.2	77.4	5.5	5.6	16.2		9		76				<0.2		1.5	
						7.7	0.9	242	27.2		7.8		18.4		77.6		5.6		15.6		11		77				<0.2		1.8	
IM5	Cloudy	Moderate	10:50	7.8	Surface	1.0	0.8	243	27.6	27.6	7.8	7.8	16.1	16.1	82.3	81.4	5.8	5.8	7.6	12.7	10	9	73	75	820570	804932	<0.2	<0.2	1.6	1.6
						1.0	0.9	253	27.6		7.8		16.1		80.5		5.8		7.2		12		73				<0.2		1.5	
					Middle	3.9	0.7	246	27.3	27.3	7.8	7.8	17.9	17.9	79.1	79.2	5.7		14.1		8		75				<0.2		1.7	
						3.9	0.7	264	27.3		7.8		17.9		79.3		5.7		15.0		10		75				<0.2		1.6	
					Bottom	6.8	0.6	245	27.1	27.1	7.8	7.8	18.5	18.5	82.6	83.5	5.9	6.0	16.4		7		77				<0.2		1.6	
						6.8	0.6	253	27.1		7.8		18.5		84.4		6.0		16.0		7		77				<0.2		1.6	
IM6	Cloudy	Moderate	11:05	7.3	Surface	1.0	0.9	224	27.5	27.5	7.7	7.7	16.1	16.1	74.6	74.4	5.4	5.2	7.2	12.6	8	9	73	75	821060	805822	<0.2	<0.2	1.6	1.7
						1.0	1.0	227	27.5		7.7		16.1		74.1		5.3		7.5		9		73				<0.2		1.7	
					Middle	3.7	0.9	236	27.0	27.0	7.7	7.7	18.3	18.3	71.3	71.4	5.1		10.7		12		75				<0.2		1.6	
						3.7	1.0	256	27.0		7.7		18.2		71.4		5.1		11.2		10		75				<0.2		1.6	
					Bottom	6.3	0.8	247	26.7	26.7	7.7	7.7	19.1	19.1	70.2	70.3	5.0	5.1	19.4		8		76				<0.2		1.8	
						6.3	0.8	248	26.7		7.7		19.1		70.4		5.1		19.6		6		77				<0.2		1.6	
IM7	Cloudy	Moderate	11:16	7.4	Surface	1.0	0.9	223	27.5	27.5	7.7	7.7	15.9	15.9	73.8	74.5	5.4	5.3	8.6	13.4	8	8	73	75	821363	806850	<0.2	0.3	1.6	1.6
						1.0	0.9	233	27.5		7.7		15.9		75.2		5.4		8.1		10		73				<0.2		1.6	
					Middle	3.7	0.8	238	26.8	26.8	7.7	7.7	18.8	18.8	72.0	72.1	5.2		14.1		8		75				<0.2		1.6	
						3.7	0.8	252	26.8		7.7		18.7		72.2		5.2		15.0		6		75				<0.2		1.5	
					Bottom	6.4	0.6	247	26.7	26.7	7.7	7.7	19.2	19.2	76.0	76.6	5.5	5.5	18.0		10		76				<0.2		1.6	
						6.4	0.7	249	26.7		7.7		19.2		77.2		5.5		16.6		8		77				0.6		1.6	
IM8	Cloudy	Moderate	10:25	7.5	Surface	1.0	0.8	206	26.7	26.7	7.7	7.7	19.9	19.9	70.6	70.7	5.1	5.0	9.5	14.3	10	10	80	80	821706	807842	<0.2	<0.2	1.6	1.6
						1.0	0.8	219	26.7		7.7		19.8		70.7		5.1		9.8		10		79				<0.2		1.6	
					Middle	3.8	0.7	211	26.3	26.3	7.7	7.7	20.8	20.8	67.9	67.9	4.9		14.7		12		79				<0.2		1.6	
						3.8	0.7	218	26.3		7.7		20.8		67.9		4.9		14.9		10		79				<0.2		1.6	
					Bottom	6.5	0.5	228	26.2	26.2	7.7	7.7	21.3	21.3	68.3	68.6	4.9	4.9	18.3		9		82				<0.2		1.5	
						6.5	0.6	239	26.2		7.7		21.3		68.8		4.9		18.8		11		82				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 June 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	10:14	7.7	Surface	1.0	0.8	152	28.8	28.8	7.9	7.9	13.3	13.3	91.5	91.4	6.6	5.8	3.5	8.5	9	6	84	84	822081	808830	<0.2	<0.2	1.6	1.6
						1.0	0.8	154	28.8		7.9		13.3		91.2		6.5		3.5		9		84				<0.2		1.6	
					Middle	3.9	0.7	143	26.5	26.5	7.7	7.7	20.9	20.9	70.2	70.2	5.0		9.6		4		85				<0.2		1.7	
						3.9	0.8	155	26.5		7.7		20.8		70.2		5.0		9.6		6		85				<0.2		1.6	
					Bottom	6.7	0.5	120	26.2	26.3	7.7	7.7	21.7	21.7	70.3	70.7	5.0	5.1	12.4		6		84				<0.2		1.6	
						6.7	0.5	122	26.3		7.7		21.7		71.0		5.1		12.1		4		83				<0.2		1.5	
IM10	Cloudy	Moderate	10:03	7.9	Surface	1.0	0.8	133	28.2	28.2	7.9	7.9	16.9	17.1	90.8	90.5	6.4	5.8	3.5	8.2	8	7	81	83	822252	809836	<0.2	<0.2	1.7	1.7
						1.0	0.8	134	28.2		7.9		17.3		90.2		6.4		3.6		6		81				<0.2		1.8	
					Middle	4.0	0.6	103	26.3	26.3	7.8	7.8	21.5	21.5	72.3	72.3	5.2		9.8		6		83				<0.2		1.8	
						4.0	0.7	112	26.3		7.8		21.5		72.3		5.2		9.7		5		83				<0.2		1.5	
					Bottom	6.9	0.6	99	26.0	26.0	7.8	7.8	22.2	22.2	74.0	74.6	5.3	5.4	11.3		8		84				<0.2		1.7	
						6.9	0.7	102	26.0		7.8		22.2		75.1		5.4		11.1		6		84				<0.2		1.6	
IM11	Cloudy	Moderate	09:51	7.8	Surface	1.0	0.6	117	27.5	27.5	7.9	7.9	18.7	18.7	85.4	85.3	6.1	5.8	5.1	11.4	6	5	80	81	821491	810537	<0.2	<0.2	1.7	1.7
						1.0	0.6	125	27.5		7.9		18.7		85.2		6.1		5.2		4		79				<0.2		1.6	
					Middle	3.9	0.4	99	26.3	26.3	7.8	7.8	21.2	21.2	75.7	75.8	5.4		14.0		7		80				<0.2		1.8	
						3.9	0.5	101	26.3		7.8		21.2		75.8		5.4		14.3		5		82				<0.2		1.7	
					Bottom	6.8	0.4	90	26.3	26.3	7.8	7.8	21.4	21.4	77.8	78.0	5.6	5.6	14.9		3		83				<0.2		1.6	
						6.8	0.4	97	26.3		7.8		21.4		78.1		5.6		14.9		4		83				<0.2		1.8	
IM12	Cloudy	Moderate	09:42	8.1	Surface	1.0	0.5	112	28.4	28.4	7.9	7.9	16.7	16.7	97.0	96.7	6.9	6.3	2.5	7.0	3	4	80	83	821148	811527	<0.2	<0.2	1.7	1.7
						1.0	0.6	121	28.3		7.9		16.7		96.3		6.8		2.6		4		81				<0.2		1.7	
					Middle	4.1	0.5	91	26.8	26.8	7.8	7.8	20.2	20.2	80.6	80.6	5.8		7.6		4		83				<0.2		1.8	
						4.1	0.5	96	26.8		7.8		20.2		80.6		5.8		8.1		3		83				<0.2		1.6	
					Bottom	7.1	0.4	86	26.6	26.6	7.8	7.8	20.6	20.6	81.0	81.3	5.8	5.8	11.1		4		84				<0.2		1.8	
						7.1	0.4	89	26.6		7.8		20.6		81.6		5.8		10.3		6		84				<0.2		1.8	
SR2	Cloudy	Moderate	09:16	4.7	Surface	1.0	0.4	100	27.3	27.4	7.9	7.9	19.8	19.9	85.7	85.5	6.1	6.1	11.7	14.6	5	5	80	81	821458	814185	<0.2	<0.2	1.9	1.8
						1.0	0.5	104	27.5		7.9		19.9		85.2		6.0		12.6		5		80				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	83	26.5	26.6	7.8	7.8	21.2	21.2	84.4	85.1	6.0	6.1	17.4		5		81				<0.2		1.8	
						3.7	0.3	87	26.6		7.8		21.2		85.8		6.1		16.5		5		83				<0.2		2.0	
SR3	Cloudy	Moderate	10:37	7.8	Surface	1.0	0.9	203	26.6	26.6	7.7	7.7	20.2	20.2	69.2	69.2	5.0	4.9	10.0	14.7	11	9	-	-	822152	807582	-	-	-	-
						1.0	1.0	205	26.6		7.7		20.2		69.1		4.9		9.9		9		-				-		-	
					Middle	3.9	0.9	209	26.3	26.3	7.7	7.7	20.8	20.8	67.2	67.2	4.8		14.0		10		-				-		-	
						3.9	0.9	220	26.3		7.7		20.8		67.2		4.8		14.2		8		-				-		-	
					Bottom	6.8	0.8	220	26.1	26.2	7.7	7.7	21.4	21.4	67.7	68.2	4.9	4.9	20.1		9		-				-		-	
						6.8	0.8	241	26.2		7.7		21.4		68.6		4.9		19.9		6		-				-		-	
SR4A	Cloudy	Moderate	09:12	8.3	Surface	1.0	0.6	246	27.3	27.3	8.0	8.0	21.7	21.8	104.5	104.4	7.3	7.1	19.6	15.3	12	11	-	-	817200	807790	-	-	-	-
						1.0	0.6	270	27.3		8.0		21.8		104.2		7.3		19.8		10		-				-		-	
					Middle	4.2	0.5	242	27.1	27.1	8.0	8.0	21.9	21.9	98.6	98.4	6.9		14.4		10		-				-		-	
						4.2	0.6	246	27.1		8.0		21.9		98.2		6.9		14.6		10		-				-		-	
					Bottom	7.3	0.4	257	26.5	26.5	7.9	7.9	23.3	23.3	94.1	94.7	6.6	6.7	11.6		13		-				-		-	
						7.3	0.4	263	26.5		7.9		23.3		95.2		6.7		11.7		11		-				-		-	
SR5A	Cloudy	Moderate	08:52	4.6	Surface	1.0	0.2	291	27.3	27.3	8.0	8.0	21.4	21.4	100.9	100.7	7.1	7.1	11.7	12.9	9	10	-	-	816588	810676	-	-	-	-
						1.0	0.2	303	27.3		8.0		21.4		100.5		7.1		11.8		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	306	26.9	26.9	7.9	7.9	22.5	22.5	98.2	98.3	6.9	6.9	14.0		10		-				-		-	
						3.6	0.2	329	26.9		7.9		22.5		98.3		6.9		14.0		11		-				-		-	
SR6	Cloudy	Moderate	08:22	4.3	Surface	1.0	0.2	276	27.1	27.1	8.0	8.0	21.7	21.7	101.4	101.4	7.1	7.1	11.5	11.7	8	11	-	-	817882	814648	-	-	-	-
						1.0	0.2	289	27.1		8.0		21.7		101.3		7.1		11.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	261	27.0	26.9	8.0	8.0	22.4	22.4	104.0	104.2	7.3	7.3	12.0		14		-				-		-	
						3.3	0.2	263	26.8		8.0		22.4		104.3		7.3		11.9		12		-				-		-	
SR7	Cloudy	Moderate	08:25	16.3	Surface	1.0	1.2	71	25.7	25.7	7.8	7.8	23.0	23.0	89.7	89.7	6.3	5.9	7.1	10.0	14	12	-	-	823627	823751	-	-	-	-
						1.0	1.2	74	25.7		7.8		23.0		89.7		6.3		7.1		12		-				-		-	
					Middle	8.2	0.9	63	24.7	24.8	7.8	7.8	25.3	25.2	77.5	77.5	5.4		12.0		11		-				-		-	
						8.2	1.0	65	24.8		7.8		25.0		77.5		5.4		11.5		9		-				-		-	
					Bottom	15.3	0.9	94	23.9	23.9	7.8	7.8	27.7	27.7	77.9	78.0	5.4	5.4	11.1		14		-				-		-	
						15.3	0.9	100	23.9		7.8		27.7		78.0		5.4		11.2		12		-				-		-	
SR8	Cloudy	Moderate	09:31	5.2	Surface	1.0	0.3	222	28.0	28.0	7.8	7.8	19.5	19.5	92.4	92.4	6.5	6.5	11.3	13.4	7	7	-	-	820413	811576	-	-	-	-
						1.0	0.3	226	28.0		7.8		19.5		92.4		6.5		11.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.4	195	27.3	27.3	7.9	7.9	20.1	20.1	90.8	91.0	6.4	6.4	15.2		7		-				-		-	
						4.2	0.4	196	27.3		7.9		20.1		91.1		6.4		15.1		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 June 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	16:58	6.1	Surface	1.0	0.4	210	29.4	29.4	7.9	7.9	20.8	20.8	85.7	85.7	5.8	5.6	9.5	11.0	4	8	75	77	815615	804249	<0.2	<0.2	1.2	1.6
						1.0	0.5	223	29.4		7.9		20.8		85.7		5.8		9.5		6		76				<0.2		1.2	
					Middle	3.1	0.3	193	28.1	28.1	7.9	7.9	23.2	23.2	76.5	76.5	5.3		10.9		9		77				<0.2		1.4	
						3.1	0.3	207	28.1		7.9		23.2		76.5		5.3		10.9		10		76				<0.2		1.4	
					Bottom	5.1	0.1	249	27.5	27.5	7.9	7.9	25.3	25.3	79.6	79.6	5.5	5.5	12.6		9		78				<0.2		2.1	
						5.1	0.1	264	27.5		7.9		25.3		79.6		5.5		12.6		9		79				<0.2		2.1	
C2	Sunny	Moderate	16:07	10.9	Surface	1.0	1.1	168	29.6	29.7	7.9	7.9	12.6	12.6	87.6	87.6	6.2	5.9	5.8	8.0	3	4	74	76	825668	806935	<0.2	<0.2	3.0	2.9
						1.0	1.2	168	29.7		7.9		12.6		87.6		6.2		5.8		4		73				<0.2		2.9	
					Middle	5.5	0.7	177	28.0	28.0	7.8	7.8	19.4	19.4	79.2	79.2	5.6		8.6		4		76				<0.2		2.9	
						5.5	0.7	194	28.0		7.8		19.4		79.2		5.6		8.6		4		76				<0.2		3.0	
					Bottom	9.9	0.4	174	27.7	27.7	7.9	7.9	24.6	24.6	81.1	81.2	5.6	5.6	9.6		5		77				<0.2		3.0	
						9.9	0.4	188	27.7		7.9		24.6		81.2		5.6		9.6		5		77				<0.2		2.8	
C3	Sunny	Moderate	17:58	11.4	Surface	1.0	0.5	254	29.4	29.4	8.1	8.1	18.5	18.5	98.7	98.7	6.8	6.5	3.2	3.4	4	4	74	76	822128	817814	<0.2	<0.2	1.8	1.9
						1.0	0.5	275	29.4		8.1		18.5		98.7		6.8		3.2		3		74				<0.2		2.0	
					Middle	5.7	0.4	247	28.5	28.5	8.0	8.0	21.1	21.1	89.4	89.4	6.2		3.6		4		75				<0.2		2.0	
						5.7	0.4	248	28.5		8.0		21.1		89.4		6.2		3.6		3		76				<0.2		2.0	
					Bottom	10.4	1.2	166	28.0	28.0	8.0	8.0	25.5	25.5	91.3	91.3	6.2	6.2	3.5		6		77				<0.2		2.0	
						10.4	1.3	177	28.0		8.0		25.5		91.3		6.2		3.5		5		77				<0.2		1.7	
IM1	Cloudy	Moderate	16:49	7.6	Surface	1.0	0.9	211	30.7	30.7	8.0	8.0	15.0	15.0	94.1	94.1	6.5	6.2	8.5	12.0	5	8	75	77	818365	806464	<0.2	<0.2	2.1	2.2
						1.0	1.0	216	30.7		8.0		15.0		94.1		6.5		8.5		4		76				<0.2		2.3	
					Middle	3.8	0.3	214	28.8	28.8	8.0	8.0	19.3	19.3	83.2	83.2	5.8		12.6		6		76				<0.2		2.4	
						3.8	0.4	233	28.8		8.0		19.3		83.2		5.8		12.6		6		77				<0.2		2.4	
					Bottom	6.6	0.2	240	27.6	27.6	7.9	7.9	26.7	26.7	81.0	81.0	5.5	5.5	14.8		13		78				<0.2		2.1	
						6.6	0.2	256	27.6		7.9		26.7		81.0		5.5		14.8		13		79				<0.2		2.0	
IM2	Cloudy	Moderate	16:45	7.5	Surface	1.0	0.9	225	29.8	29.8	8.0	8.0	14.8	14.8	105.3	105.3	7.4	6.7	8.7	10.7	5	8	75	76	818844	806182	<0.2	<0.2	2.5	2.3
						1.0	0.9	233	29.8		8.0		14.8		105.3		7.4		8.7		5		74				<0.2		2.4	
					Middle	3.8	0.6	219	28.9	28.9	7.9	7.9	18.3	18.3	85.6	85.6	6.0		10.2		9		76				<0.2		2.3	
						3.8	0.6	231	28.9		7.9		18.3		85.6		6.0		10.2		9		77				<0.2		2.5	
					Bottom	6.5	0.4	211	27.6	27.6	7.9	7.9	26.6	26.6	81.9	81.9	5.6	5.6	13.3		9		78				<0.2		2.1	
						6.5	0.4	211	27.6		7.9		26.6		81.9		5.6		13.2		9		78				<0.2		2.2	
IM3	Cloudy	Moderate	16:37	7.7	Surface	1.0	0.6	232	29.6	29.6	8.0	8.0	15.4	15.4	97.2	97.2	6.8	6.7	6.4	8.7	6	7	75	77	819414	806021	<0.2	<0.2	2.7	2.8
						1.0	0.7	237	29.6		8.0		15.4		97.2		6.8		6.4		6		75				<0.2		2.9	
					Middle	3.9	0.5	223	29.2	29.2	8.0	8.0	16.3	16.3	92.2	92.2	6.5		8.4		6		76				<0.2		2.8	
						3.9	0.6	231	29.2		8.0		16.3		92.2		6.5		8.4		7		77				<0.2		2.8	
					Bottom	6.7	0.4	196	29.1	29.1	8.0	8.0	18.3	18.3	93.3	93.3	6.5	6.5	11.3		7		78				<0.2		2.5	
						6.7	0.5	208	29.1		8.0		18.3		93.3		6.5		11.3		9		78				<0.2		2.8	
IM4	Cloudy	Moderate	16:29	6.6	Surface	1.0	0.5	210	30.9	30.9	7.9	7.9	13.7	13.7	102.7	102.7	7.1	6.9	6.6	9.1	5	6	76	77	819574	805033	<0.2	<0.2	2.9	2.8
						1.0	0.5	210	30.9		7.9		13.7		102.7		7.1		6.6		4		75				<0.2		2.7	
					Middle	3.3	0.6	226	30.8	30.8	7.9	7.9	15.3	15.3	97.4	97.4	6.7		8.5		7		76				<0.2		2.8	
						3.3	0.6	239	30.8		7.9		15.3		97.4		6.7		8.5		6		77				<0.2		2.8	
					Bottom	5.6	0.5	218	28.9	28.9	7.9	7.9	18.6	18.6	91.7	91.7	6.4	6.4	12.3		8		77				<0.2		2.7	
						5.6	0.6	237	28.9		7.9		18.6		91.7		6.4		12.3		8		78				<0.2		2.9	
IM5	Cloudy	Moderate	16:20	6.1	Surface	1.0	0.6	210	30.3	30.3	7.9	7.9	12.9	13.0	98.2	98.2	6.9	6.8	7.7	10.6	7	11	75	76	820546	804924	<0.2	<0.2	2.8	2.6
						1.0	0.6	224	30.3		7.9		13.0		98.2		6.9		7.7		7		75				<0.2		2.8	
					Middle	3.1	0.5	246	30.1	30.1	7.9	7.9	14.9	14.9	95.0	95.0	6.6		10.6		7		76				<0.2		3.2	
						3.1	0.5	256	30.1		7.9		14.9		95.0		6.6		10.6		5		77				<0.2		3.0	
					Bottom	5.1	0.5	258	28.4	28.4	7.9	7.9	21.7	21.7	81.6	81.6	5.6	5.6	13.4		19		78				<0.2		1.8	
						5.1	0.5	262	28.4		7.9		21.7		81.6		5.6		13.4		18		77				<0.2		2.1	
IM6	Cloudy	Moderate	16:15	6.2	Surface	1.0	0.4	210	31.0	31.0	7.8	7.8	12.3	12.3	99.7	99.8	6.9	6.9	7.3	9.0	6	8	75	76	821040	805815	<0.2	<0.2	2.7	2.7
						1.0	0.4	225	31.0		7.8		12.3		99.8		6.9		7.3		7		74				<0.2		2.9	
					Middle	3.1	0.5	242	30.3	30.3	7.9	7.9	15.2	15.2	99.2	99.2	6.9		7.1		8		76				<0.2		2.9	
						3.1	0.5	253	30.3		7.9		15.2		99.2		6.9		7.1		6		76				<0.2		2.8	
					Bottom	5.2	0.4	249	28.6	28.6	7.8	7.8	21.4	21.4	85.0	85.0	5.9	5.9	12.6		11		78				<0.2		2.3	
						5.2	0.4	265	28.6		7.8		21.4		85.0		5.9		12.6		10		78				<0.2		2.6	
IM7	Cloudy	Moderate	16:07	7.3	Surface	1.0	0.7	234	29.6	29.6	7.8	7.8	17.1	17.1	93.4	93.4	6.5	6.2	7.7	11.9	7	7	75	76	821357	806832	<0.2	<0.2	2.1	2.7
						1.0	0.7	251	29.6		7.8		17.1		93.4		6.5		7.7		6		74				<0.2		2.2	
					Middle	3.7	0.5	262	29.0	29.0	7.8	7.8	19.3	19.3	85.0	85.0	5.9		12.1		5		75				<0.2		2.8	
						3.7	0.5	269	29.0		7.8		19.3		84.9		5.9		12.2		7		76				<0.2		3.0	
					Bottom	6.3	0.3	257	28.6	28.6	7.8	7.8	21.3	21.3	85.2	85.2	5.9	5.9	15.7		9		78				<0.2		2.9	
						6.3	0.3	279	28.6		7.8		21.3		85.2		5.9		15.7		9		78				<0.2		3.1	
IM8	Sunny	Moderate	16:36	7.4	Surface	1.0	0.7	189	29.1	29.1	7.9	7.9	15.3	15.5	88.3	88.2	6.2	6.0	5.6	7.0	6	7	74	76	821686	807827	<0.2	<0.2	3.2	2.8
						1.0	0.7	199	29.1		7.9		15.7		88.1		6.2		5.7		7		74				<0.2		3.2	
					Middle	3.7	0.6	205	28.4	28.4	7.9	7.9	19.5	19.5	83.6	83.7	5.8		6.9		6		75				<0.2		2.9	
						3.7	0.6	222	28.4		7.9		19.5		83.7		5.8		6.9		6		76				<0.2		3.0	
					Bottom	6.4	0.5	231	28.4	28.4	7.9	7.9	20.1	20.1	86.6	86.6	6.0	6.0	8.5		7		77				<0.2		2.1	
						6.4	0.5	253	28.4		7.9		20.1		86.6		6.0		8.5		7		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 06 June 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	Sunny	Moderate	16:30	6.6	Surface	1.0	0.5	174	29.7	29.7	7.9	7.9	14.8	14.8	88.4	88.4	6.2	6.1	5.2	6.1	4	5	73	76	822093	808801	<0.2	<0.2	3.3	3.0
						1.0	0.5	184	29.7		7.9		14.8		88.4		6.2		5.2		3		74				<0.2		3.4	
					Middle	3.3	0.2	176	28.5	28.5	7.9	7.9	20.1	20.1	85.7	85.7	6.0		6.1		3		76				<0.2		3.0	
						3.3	0.2	181	28.5		7.9		20.1		85.7		6.0		6.1		5		76				<0.2		2.9	
					Bottom	5.6	0.2	218	28.4	28.4	7.9	7.9	20.6	20.6	87.9	87.9	6.1	6.1	7.0		7		77				<0.2		2.5	
						5.6	0.2	237	28.4		7.9		20.6		87.9		6.1		7.0		6		77				<0.2		2.8	
IM10	Sunny	Moderate	16:48	6.9	Surface	1.0	0.4	165	28.7	28.7	7.9	7.9	18.1	18.1	86.6	86.6	6.1	6.0	4.5	5.7	6	7	74	76	822246	809846	<0.2	<0.2	2.8	2.7
						1.0	0.5	170	28.7		7.9		18.1		86.6		6.1		4.5		6		74				<0.2		2.9	
					Middle	3.5	0.3	166	28.4	28.4	7.9	7.9	21.1	21.1	85.8	85.8	5.9		5.6		6		76				<0.2		2.7	
						3.5	0.3	167	28.4		7.9		21.1		85.8		5.9		5.6		5		76				<0.2		2.8	
					Bottom	5.9	0.3	179	28.3	28.3	7.9	7.9	21.6	21.6	87.6	87.7	6.1	6.1	7.0		9		77				<0.2		2.5	
						5.9	0.3	182	28.3		7.9		21.6		87.7		6.1		7.0		7		77				<0.2		2.7	
IM11	Sunny	Moderate	16:57	7.6	Surface	1.0	0.2	161	29.6	29.6	7.9	7.9	14.3	14.3	92.2	92.2	6.5	6.3	4.6	5.2	4	5	73	76	821517	810538	<0.2	<0.2	2.4	2.4
						1.0	0.3	168	29.6		7.9		14.3		92.2		6.5		4.6		5		74				<0.2		2.5	
					Middle	3.8	0.3	151	28.6	28.6	7.9	7.9	18.8	18.8	87.8	87.8	6.1		5.3		6		76				<0.2		2.4	
						3.8	0.3	158	28.6		7.9		18.8		87.8		6.1		5.3		4		76				<0.2		2.6	
					Bottom	6.6	0.3	138	28.5	28.5	7.9	7.9	20.9	20.9	89.6	89.6	6.2	6.2	5.7		4		77				<0.2		2.0	
						6.6	0.3	141	28.5		7.9		20.9		89.6		6.2		5.7		4		77				<0.2		2.3	
IM12	Sunny	Moderate	17:06	7.0	Surface	1.0	0.2	108	30.0	30.0	8.0	8.0	14.9	14.9	102.7	102.6	7.2	6.7	5.1	6.7	3	5	74	76	821151	811529	<0.2	<0.2	2.4	2.5
						1.0	0.2	113	30.0		8.0		14.9		102.4		7.1		5.1		5		74				<0.2		2.2	
					Middle	3.5	0.2	117	29.1	29.1	8.0	8.0	16.5	16.5	90.1	90.0	6.3		6.2		6		76				<0.2		2.6	
						3.5	0.2	125	29.1		8.0		16.5		89.8		6.3		6.3		4		76				<0.2		2.5	
					Bottom	6.0	0.2	179	28.5	28.5	7.9	7.9	20.3	20.3	90.9	90.9	6.3	6.3	8.6		5		77				<0.2		2.5	
						6.0	0.2	185	28.5		7.9		20.3		90.9		6.3		8.6		4		77				<0.2		2.5	
SR2	Sunny	Moderate	17:28	4.6	Surface	1.0	0.3	179	29.6	29.6	8.1	8.1	15.7	15.7	100.9	100.7	7.0	7.0	3.4	3.5	4	4	73	75	821445	814170	<0.2	<0.2	2.5	2.6
						1.0	0.3	187	29.6		8.1		15.7		100.5		7.0		3.4		5		74				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	172	28.8	28.8	8.0	8.0	19.0	19.0	94.7	94.7	6.6	6.6	3.5		3		77				<0.2		2.5	
						3.6	0.3	172	28.8		8.0		19.0		94.7		6.6		3.5		4		77				<0.2		2.5	
SR3	Sunny	Moderate	16:27	8.1	Surface	1.0	0.9	182	29.8	29.8	7.8	7.8	12.6	12.6	87.1	87.1	6.2	6.0	5.6	7.8	3	4	-	-	822131	807573	-	-	-	-
						1.0	1.0	192	29.8		7.8		12.6		87.1		6.2		5.6		5		-				-		-	
					Middle	4.1	0.7	184	28.3	28.3	7.9	7.9	19.7	19.7	83.0	83.0	5.8		8.5		4		-				-		-	
						4.1	0.8	185	28.3		7.9		19.7		83.0		5.8		8.5		3		-				-		-	
					Bottom	7.1	0.4	226	28.2	28.2	7.9	7.9	21.7	21.7	84.4	84.5	5.8	5.8	9.4		3		-				-		-	
						7.1	0.5	226	28.2		7.9		21.7		84.5		5.8		9.1		3		-				-		-	
SR4A	Cloudy	Calm	17:13	7.6	Surface	1.0	0.9	252	30.5	30.5	8.1	8.1	19.7	19.7	108.2	108.2	7.3	7.1	7.8	11.0	9	10	-	-	817203	807795	-	-	-	-
						1.0	0.9	272	30.5		8.1		19.7		108.2		7.3		7.8		11		-				-		-	
					Middle	3.8	0.7	256	29.9	29.9	8.0	8.0	20.8	20.8	100.0	100.0	6.8		10.2		9		-				-		-	
						3.8	0.8	275	29.9		8.0		20.8		100.0		6.8		10.2		10		-				-		-	
					Bottom	6.6	0.5	255	28.3	28.3	8.0	8.0	24.0	24.0	105.3	105.3	7.2	7.2	15.1		9		-				-		-	
						6.6	0.5	258	28.3		8.0		24.0		105.3		7.2		15.1		9		-				-		-	
SR5A	Cloudy	Calm	17:32	5.6	Surface	1.0	0.2	322	30.2	30.2	8.1	8.1	19.7	19.7	121.9	121.9	8.3	8.3	9.1	12.5	13	12	-	-	816601	810687	-	-	-	-
						1.0	0.2	347	30.2		8.1		19.7		121.9		8.3		9.1		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	281	29.1	29.1	8.0	8.0	21.5	21.5	99.5	99.5	6.8	6.8	15.8		11		-				-		-	
						4.6	0.1	287	29.1		8.0		21.5		99.5		6.8		15.8		12		-				-		-	
SR6	Cloudy	Calm	18:00	3.8	Surface	1.0	0.1	245	31.7	31.7	8.1	8.1	20.1	20.1	117.0	117.0	8.6	8.6	12.5	13.1	9	10	-	-	817911	814660	-	-	-	-
						1.0	0.2	260	31.7		8.1		20.1		117.0		8.6		12.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	322	29.5	29.5	8.1	8.1	21.7	21.7	121.6	121.6	8.9	8.9	13.6		10		-				-		-	
						2.8	0.1	350	29.5		8.1		21.7		121.6		8.9		13.6		12		-				-		-	
SR7	Sunny	Moderate	18:33	21.3	Surface	1.0	0.1	108	29.4	29.4	8.1	8.1	19.9	19.9	102.9	102.7	7.0	6.4	2.7	3.9	3	4	-	-	823651	823751	-	-	-	-
						1.0	0.1	117	29.4		8.1		19.9		102.5		7.0		2.7		3		-				-		-	
					Middle	10.7	0.2	123	27.7	27.7	8.0	8.0	25.4	25.5	85.6	85.6	5.9		3.7		5		-				-		-	
						10.7	0.2	126	27.7		8.0		25.5		85.5		5.8		3.7		3		-				-		-	
					Bottom	20.3	0.2	100	26.9	26.9	7.9	7.9	29.1	29.1	82.9	82.9	5.6	5.6	5.2		4		-				-		-	
						20.3	0.2	100	26.9		7.9		29.1		82.9		5.6		5.2		3		-				-		-	
SR8	Sunny	Moderate	17:13	5.0	Surface	1.0	0.2	223	29.8	29.8	8.1	8.1	15.7	15.7	100.4	100.2	7.0	7.0	7.6	9.9	3	4	-	-	820412	811580	-	-	-	-
						1.0	0.2	234	29.8		8.1		15.7		100.0		7.0		7.8		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	236	29.2	29.2	8.0	8.0	18.6	18.6	98.6	98.6	6.8	6.8	12.0		6		-				-		-	
						4.0	0.2	247	29.2		8.0		18.6		98.6		6.8		12.0		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 June 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	10:57	6.4	Surface	1.0	0.1	246	29.9	29.9	8.0	8.0	15.6	15.6	101.9	101.9	7.1	6.4	6.2	9.7	4	5	75	77	815619	804228	<0.2	<0.2	2.1	2.0
						1.0	0.1	254	29.9		8.0		15.6		101.9		7.1		6.2		4		76				<0.2		2.4	
					Middle	3.2	0.2	162	28.6	28.6	7.9	7.9	21.6	21.6	81.3	81.3	5.6		9.8		4		77				<0.2		1.8	
						3.2	0.2	176	28.6		7.9		21.6		81.3		5.6		9.8		4		78				<0.2		1.8	
					Bottom	5.4	0.2	189	27.2	27.2	7.9	7.9	26.9	26.9	79.7	79.7	5.4	5.4	13.2		7		78				<0.2		1.8	
						5.4	0.2	205	27.2		7.9		26.9		79.7		5.4		13.2		6		79				<0.2		1.8	
C2	Sunny	Moderate	11:46	11.3	Surface	1.0	1.1	171	29.4	29.4	7.8	7.8	13.4	13.4	86.2	86.2	6.1	5.9	5.5	6.2	5	5	73	75	825695	806939	<0.2	<0.2	2.1	2.4
						1.0	1.1	173	29.4		7.8		13.4		86.2		6.1		5.5		4		73				<0.2		2.1	
					Middle	5.7	1.0	169	28.2	28.2	7.9	7.9	20.6	20.6	81.7	81.7	5.7		6.7		7		76				<0.2		2.6	
						5.7	1.0	170	28.2		7.9		20.6		81.7		5.7		6.7		5		75				<0.2		2.5	
					Bottom	10.3	0.5	146	27.8	27.8	7.9	7.9	24.8	24.8	83.2	83.3	5.7	5.7	6.4		6		77				<0.2		2.5	
						10.3	0.5	146	27.8		7.9		24.7		83.4		5.7		6.4		5		77				<0.2		2.4	
C3	Sunny	Moderate	10:15	13.1	Surface	1.0	0.9	94	28.8	28.8	8.0	8.0	19.8	19.8	97.7	97.6	6.8	6.4	3.3	2.9	4	6	73	75	822096	817808	<0.2	<0.2	1.8	1.8
						1.0	1.0	98	28.8		8.0		19.8		97.5		6.7		3.4		6		73				<0.2		2.0	
					Middle	6.6	0.6	90	27.6	27.6	7.9	7.9	25.5	25.5	88.9	88.9	6.1		2.5		4		75				<0.2		1.9	
						6.6	0.6	94	27.6		7.9		25.5		88.9		6.1		2.5		6		76				<0.2		1.9	
					Bottom	12.1	1.3	63	26.9	26.9	7.9	7.9	29.3	29.3	87.6	87.7	5.9	6.0	2.7		8		77				<0.2		1.6	
						12.1	1.4	66	26.9		7.9		29.3		87.7		6.0		2.7		6		77				<0.2		1.7	
IM1	Cloudy	Calm	11:23	6.8	Surface	1.0	0.5	177	28.8	28.8	7.9	7.9	21.3	21.2	79.5	79.4	5.5	5.3	6.4	9.1	7	7	75	77	818364	806470	<0.2	<0.2	2.0	1.7
						1.0	0.6	188	28.8		7.9		21.0		79.2		5.4		6.4		6		75				<0.2		1.9	
					Middle	3.4	0.2	200	27.6	27.6	7.9	7.9	25.0	25.0	74.6	74.6	5.1		8.8		6		77				<0.2		1.5	
						3.4	0.3	213	27.6		7.9		25.0		74.6		5.1		8.8		7		77				<0.2		1.6	
					Bottom	5.8	0.1	183	27.3	27.3	7.9	7.9	26.2	26.2	75.6	75.6	5.2	5.2	12.0		8		78				<0.2		1.6	
						5.8	0.1	186	27.3		7.9		26.2		75.6		5.2		12.0		8		79				<0.2		1.5	
IM2	Cloudy	Moderate	11:36	8.1	Surface	1.0	0.7	199	29.8	29.8	8.0	8.0	16.2	16.2	96.3	96.1	6.7	6.2	6.1	8.2	5	6	75	76	818841	806185	<0.2	<0.2	2.4	3.0
						1.0	0.7	203	29.7		8.0		16.2		95.9		6.7		6.1		7		75				<0.2		2.5	
					Middle	4.1	0.6	210	28.2	28.2	7.9	7.9	20.5	20.6	80.6	80.6	5.6		8.1		5		76				<0.2		3.2	
						4.1	0.6	222	28.2		7.9		20.6		80.6		5.6		8.1		6		77				<0.2		3.0	
					Bottom	7.1	0.1	160	27.6	27.6	7.9	7.9	25.6	25.6	87.8	87.8	6.0	6.0	10.3		6		78				<0.2		3.3	
						7.1	0.1	163	27.6		7.9		25.6		87.8		6.0		10.3		6		77				<0.2		3.3	
IM3	Cloudy	Moderate	11:44	7.8	Surface	1.0	0.6	229	30.1	30.1	7.9	7.9	15.7	15.7	103.5	103.5	7.2	6.8	5.5	8.8	4	4	75	77	819423	806014	<0.2	<0.2	3.8	3.1
						1.0	0.6	233	30.1		7.9		15.7		103.5		7.2		5.5		4		75				<0.2		3.5	
					Middle	3.9	0.7	226	29.5	29.5	8.0	8.0	16.3	16.3	91.1	91.1	6.4		8.0		4		77				<0.2		3.0	
						3.9	0.7	248	29.5		8.0		16.3		91.1		6.4		8.0		3		76				<0.2		2.9	
					Bottom	6.8	0.4	227	28.0	28.0	7.9	7.9	22.4	22.4	92.6	92.6	6.4	6.4	12.8		5		78				<0.2		2.6	
						6.8	0.5	227	28.0		7.9		22.4		92.6		6.4		12.8		6		78				<0.2		2.6	
IM4	Cloudy	Moderate	11:52	7.6	Surface	1.0	0.4	212	30.5	30.5	8.1	8.1	13.4	13.4	120.6	120.6	8.4	7.4	6.6	9.6	5	7	75	76	819558	805028	<0.2	<0.2	2.6	2.5
						1.0	0.5	212	30.5		8.1		13.4		120.6		8.4		6.6		7		75				<0.2		2.6	
					Middle	3.8	0.4	205	29.2	29.2	7.9	7.9	18.4	18.4	90.2	90.2	6.3		7.4		6		76				<0.2		2.5	
						3.8	0.5	218	29.2		7.9		18.4		90.2		6.3		7.5		7		75				<0.2		2.5	
					Bottom	6.6	0.5	220	28.2	28.2	7.9	7.9	22.0	22.0	91.8	91.8	6.3	6.3	14.6		9		77				<0.2		2.3	
						6.6	0.5	236	28.2		7.9		22.0		91.8		6.3		14.6		9		78				<0.2		2.4	
IM5	Cloudy	Moderate	12:01	6.6	Surface	1.0	0.4	205	30.3	30.3	7.9	7.9	13.6	13.6	92.9	92.9	6.5	6.1	7.7	9.9	5	5	75	77	820579	804912	<0.2	<0.2	2.9	2.8
						1.0	0.4	222	30.3		7.9		13.6		92.9		6.5		7.7		4		75				<0.2		2.9	
					Middle	3.3	0.4	234	29.0	29.0	7.8	7.8	18.0	18.0	81.8	81.8	5.7		8.4		5		77				<0.2		2.6	
						3.3	0.4	237	29.0		7.8		18.0		81.8		5.7		8.4		4		77				<0.2		2.7	
					Bottom	5.6	0.3	242	28.5	28.5	7.8	7.8	21.3	21.3	81.3	81.3	5.6	5.6	13.5		7		78				<0.2		2.8	
						5.6	0.3	261	28.5		7.8		21.3		81.3		5.6		13.5		7		78				<0.2		2.6	
IM6	Cloudy	Moderate	12:07	6.7	Surface	1.0	0.4	205	30.3	30.3	7.9	7.9	13.3	13.3	97.1	97.1	6.8	6.3	6.1	8.8	4	6	75	76	821046	805828	<0.2	<0.2	2.9	2.7
						1.0	0.4	221	30.3		7.9		13.3		97.1		6.8		6.1		5		76				<0.2		2.7	
					Middle	3.4	0.5	237	29.3	29.3	7.8	7.8	17.1	17.1	81.9	81.9	5.7		8.1		6		76				<0.2		2.6	
						3.4	0.5	238	29.3		7.8		17.1		81.9		5.7		8.1		7		76				<0.2		2.6	
					Bottom	5.7	0.4	239	28.6	28.6	7.8	7.8	20.9	20.9	77.0	77.0	5.3	5.3	12.3		7		77				<0.2		2.6	
						5.7	0.4	260	28.6		7.8		20.9		77.0		5.3		12.3		9		77				<0.2		2.6	
IM7	Cloudy	Moderate	12:17	6.8	Surface	1.0	0.7	214	29.5	29.5	7.9	7.9	15.1	15.1	94.7	94.7	6.6	6.1	6.5	9.3	5	5	75	77	821340	806818	<0.2	<0.2	2.9	2.7
						1.0	0.8	219	29.5		7.9		15.1		94.7		6.6		6.5		4		75				<0.2		2.9	
					Middle	3.4	0.5	231	28.2	28.2	7.9	7.9	21.1	21.1	78.9	78.9	5.5		9.7		5		76				<0.2		2.8	
						3.4	0.5	236	28.2		7.9		21.1		78.9		5.5		9.7		6		77				<0.2		2.9	
					Bottom	5.8	0.5	235	27.8	27.8	7.9	7.9	23.3	23.3	81.7	81.7	5.6	5.6	11.7		4		78				<0.2		2.4	
						5.8	0.5	248	27.8		7.9		23.3		81.7		5.6		11.7		5		78				<0.2		2.5	
IM8	Sunny	Moderate	11:16	7.6	Surface	1.0	0.6	183	29.0	29.0	7.9	7.9	16.2	16.2	89.2	89.2	6.3	6.1	4.8	7.2	4	5	73	75	821697	807845	<0.2	<0.2	2.1	2.1
						1.0	0.6	188	29.0		7.9		16.2		89.2		6.3		4.8		5		73				<0.2		2.2	
					Middle	3.8	0.4	193	28.5	28.5	7.9	7.9	21.0	20.9	84.3	84.3	5.8		6.6		6		75				<0.2		2.4	
						3.8	0.4	203	28.5		7.9		20.7		84.2		5.8		6.7		6		76				<0.2		2.1	
					Bottom	6.6	0.1	206	28.1	28.1	7.9	7.9	22.0	22.0	85.0	85.2	5.9	5.9	9.9		6		76				<0.2		1.9	
						6.6	0.1	214	28.1		7.9		22.0		85.4		5.9		10.2		5		77				<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 06 June 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	Sunny	Moderate	11:10	7.3	Surface	1.0	0.7	162	29.4	29.4	8.0	8.0	15.6	15.6	89.0	89.0	6.2	5.9	5.3	7.8	3	4	74	75	822093	808817	<0.2	<0.2	2.4	2.3
						1.0	0.7	171	29.4		8.0		15.6		89.0		6.2		5.3		4		73				<0.2		2.4	
					Middle	3.7	0.3	154	28.0	28.0	7.9	7.9	23.0	23.0	79.8	79.8	5.5		8.3		4		76				<0.2		2.2	
						3.7	0.4	165	28.0		7.9		23.0		79.8		5.5		8.3		3		75				<0.2		2.4	
					Bottom	6.3	0.3	134	27.9	28.0	7.9	7.9	23.1	23.1	84.4	84.6	5.8	5.8	9.8		4		77				<0.2		2.1	
						6.3	0.3	136	28.0		7.9		23.1		84.7		5.8		9.7		4		77				<0.2		2.2	
IM10	Sunny	Moderate	11:04	8.0	Surface	1.0	0.7	143	29.1	29.1	8.0	8.0	16.3	16.3	88.4	88.4	6.2	6.0	6.9	11.6	4	7	73	75	822232	809855	<0.2	<0.2	2.7	2.5
						1.0	0.7	146	29.1		8.0		16.3		88.4		6.2		6.9		4		73				<0.2		2.8	
					Middle	4.0	0.3	90	28.2	28.2	7.9	7.9	20.8	20.8	82.9	82.9	5.8		12.2		6		76				<0.2		2.5	
						4.0	0.4	92	28.2		7.9		20.8		82.9		5.8		12.2		7		75				<0.2		2.6	
					Bottom	7.0	0.5	129	28.1	28.1	7.9	7.9	22.4	22.4	88.6	88.6	6.1	6.1	15.8		10		77				<0.2		2.1	
						7.0	0.5	131	28.1		7.9		22.4		88.6		6.1		15.8		10		77				<0.2		2.2	
IM11	Sunny	Moderate	10:57	8.9	Surface	1.0	0.6	128	29.1	29.1	7.9	7.9	15.6	15.6	88.3	88.3	6.2	6.0	5.4	8.2	6	5	74	75	821498	810550	<0.2	<0.2	2.6	2.4
						1.0	0.6	137	29.1		7.9		15.6		88.3		6.2		5.4		5		73				<0.2		2.6	
					Middle	4.5	0.4	101	28.4	28.4	8.0	8.0	19.5	19.5	82.7	82.7	5.8		8.6		5		75				<0.2		2.4	
						4.5	0.4	101	28.4		8.0		19.5		82.7		5.8		8.6		4		75				<0.2		2.2	
					Bottom	7.9	0.3	112	28.3	28.3	8.0	8.0	20.3	20.3	82.9	83.5	5.8	5.8	11.0		5		77				<0.2		2.1	
						7.9	0.3	120	28.3		8.0		20.3		84.0		5.8		10.1		6		77				<0.2		2.2	
IM12	Sunny	Moderate	10:52	8.3	Surface	1.0	0.6	119	28.9	28.9	7.9	7.9	16.3	16.3	85.3	85.3	6.0	5.9	9.9	13.8	5	5	73	75	821180	811505	<0.2	<0.2	2.2	2.0
						1.0	0.6	120	28.9		7.9		16.3		85.3		6.0		9.9		3		73				<0.2		2.3	
					Middle	4.2	0.4	98	28.4	28.4	8.0	8.0	20.2	20.2	83.8	83.8	5.8		15.3		4		75				<0.2		2.0	
						4.2	0.4	100	28.4		8.0		20.2		83.8		5.8		15.3		4		75				<0.2		2.0	
					Bottom	7.3	0.2	81	28.4	28.4	8.0	8.0	20.5	20.5	86.4	86.4	6.0	6.0	16.1		9		76				<0.2		1.7	
						7.3	0.2	84	28.4		8.0		20.5		86.4		6.0		16.1		7		76				<0.2		1.8	
SR2	Sunny	Moderate	10:31	4.9	Surface	1.0	0.5	80	28.7	28.7	8.0	8.0	19.1	19.4	91.3	91.4	6.4	6.4	4.7	5.0	4	5	73	75	821448	814150	<0.2	<0.2	1.9	2.0
						1.0	0.6	82	28.7		8.0		19.6		91.4		6.3		4.7		6		73				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.4	71	28.5	28.5	7.9	7.9	20.8	20.8	93.5	93.5	6.5	6.5	5.2		4		77				<0.2		2.1	
						3.9	0.4	76	28.5		7.9		20.8		93.5		6.5		5.2		6		77				<0.2		1.9	
SR3	Sunny	Moderate	11:25	8.4	Surface	1.0	0.7	193	28.8	28.8	7.9	7.9	16.1	16.1	84.6	84.5	6.0	5.8	6.0	7.7	5	5	-	-	822160	807555	-	-	-	-
						1.0	0.8	193	28.8		7.9		16.1		84.3		6.0		6.1		6		-				-		-	
					Middle	4.2	0.5	192	28.0	28.0	7.9	7.9	23.0	23.0	79.9	79.9	5.5		8.4		5		-				-		-	
						4.2	0.6	195	28.0		7.9		23.0		79.9		5.5		8.4		4		-				-		-	
					Bottom	7.4	0.7	191	27.9	27.9	7.9	7.9	23.5	23.5	84.6	84.8	5.8	5.8	8.6		5		-				-		-	
						7.4	0.7	206	27.9		7.9		23.5		84.9		5.8		8.5		7		-				-		-	
SR4A	Cloudy	Calm	10:38	9.1	Surface	1.0	0.2	59	30.1	30.1	7.9	7.9	16.0	16.0	90.1	90.1	6.2	5.7	6.3	10.3	6	8	-	-	817176	807821	-	-	-	-
						1.0	0.3	62	30.1		7.9		16.0		90.1		6.2		6.3		5		-				-		-	
					Middle	4.6	0.3	51	27.9	27.9	7.9	7.9	25.0	25.0	76.2	76.2	5.2		8.8		6		-				-		-	
						4.6	0.3	52	27.9		7.9		25.0		76.2		5.2		8.8		8		-				-		-	
					Bottom	8.1	0.3	76	27.6	27.6	7.9	7.9	26.4	26.4	75.8	75.8	5.2	5.2	15.7		12		-				-		-	
						8.1	0.3	82	27.6		7.9		26.4		75.8		5.2		15.7		10		-				-		-	
SR5A	Cloudy	Calm	10:12	5.4	Surface	1.0	0.0	43	29.8	29.8	8.0	8.0	17.6	17.6	104.6	104.6	7.2	7.2	7.5	9.5	6	6	-	-	816584	810687	-	-	-	-
						1.0	0.0	44	29.8		8.0		17.6		104.6		7.2		7.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	127	29.0	29.0	7.9	7.9	20.4	20.4	103.7	103.8	7.1	7.2	11.5		7		-				-		-	
						4.4	0.1	127	29.0		7.9		20.4		103.9		7.2		11.6		5		-				-		-	
SR6	Cloudy	Calm	09:43	4.4	Surface	1.0	0.2	63	29.3	29.3	8.0	8.0	19.4	19.4	105.3	105.2	7.2	7.2	10.4	12.5	5	5	-	-	817880	814652	-	-	-	-
						1.0	0.2	68	29.3		8.0		19.4		105.1		7.2		10.5		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	39	29.2	29.2	7.9	7.9	19.7	19.7	105.1	105.1	7.2	7.2	14.6		4		-				-		-	
						3.4	0.1	42	29.2		7.9		19.7		105.1		7.2		14.6		6		-				-		-	
SR7	Sunny	Moderate	09:44	16.1	Surface	1.0	0.4	50	27.7	27.7	7.9	7.9	25.6	25.6	93.6	92.7	6.4	6.0	1.8	2.9	5	6	-	-	823643	823761	-	-	-	-
						1.0	0.4	50	27.7		7.9		25.5		91.7		6.3		2.0		6		-				-		-	
					Middle	8.1	0.3	349	26.9	26.9	7.9	7.9	28.8	28.8	83.6	83.6	5.7		3.2		4		-				-		-	
						8.1	0.3	321	26.9		7.9		28.8		83.6		5.7		3.2		6		-				-		-	
					Bottom	15.1	1.4	58	26.8	26.8	7.8	7.8	29.2	29.2	82.9	82.9	5.6	5.6	3.7		7		-				-		-	
						15.1	1.5	62	26.8		7.8		29.2		82.9		5.6		3.7		5		-				-		-	
SR8	Sunny	Moderate	10:44	5.5	Surface	1.0	0.1	273	29.0	29.0	8.0	8.0	19.3	19.3	93.0	93.0	6.4	6.4	9.2	9.8	4	5	-	-	820399	811598	-	-	-	-
						1.0	0.1	298	29.0		8.0		19.3		93.0		6.4		9.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	326	28.8	28.8	8.0	8.0	19.6	19.6	94.4	94.4	6.5	6.5	10.4		6		-				-		-	
						4.5	0.1	330	28.8		8.0		19.6		94.4		6.5		10.4		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 June 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	18:46	6.1	Surface	1.0	0.6	213	30.6	30.4	8.1	8.1	17.0	17.1	106.6	106.8	7.3	6.5	9.5	14.1	12	13	75	77	815639	804259	<0.2	<0.2	1.6	1.6
						1.0	0.7	224	30.2		8.1		17.1		106.9		7.3		9.5		13		75				<0.2		1.6	
					Middle	3.1	0.6	209	29.5	29.5	8.0	8.0	20.3	20.3	84.8	84.5	5.8		13.8		13		77				<0.2		1.7	
						3.1	0.6	229	29.5		8.0		20.3		84.2		5.7		14.3		12		77				<0.2		1.8	
					Bottom	5.1	0.5	207	28.8	28.8	7.9	7.9	22.6	22.6	80.3	80.4	5.5	5.5	18.6		16		78				<0.2		1.4	
						5.1	0.6	218	28.8		7.9		22.6		80.4		5.5		18.7		14		78				<0.2		1.5	
C2	Sunny	Moderate	17:41	9.7	Surface	1.0	1.3	173	29.4	29.4	8.0	8.0	12.7	12.7	89.8	89.8	6.4	6.2	5.4	7.4	10	8	74	76	825685	806927	<0.2	<0.2	2.8	2.5
						1.0	1.4	186	29.4		8.0		12.7		89.8		6.4		5.3		8		74				<0.2		2.6	
					Middle	4.9	1.1	178	28.9	28.9	7.9	7.9	19.6	19.6	85.0	85.0	5.9		7.4		7		76				<0.2		2.3	
						4.9	1.1	185	28.9		7.9		19.6		85.0		5.9		7.4		8		76				<0.2		2.6	
					Bottom	8.7	0.4	160	28.1	28.1	7.9	7.9	23.2	23.2	80.8	80.8	5.6	5.6	9.4		7		78				<0.2		2.2	
						8.7	0.4	160	28.1		7.9		23.2		80.8		5.6		9.4		9		78				<0.2		2.4	
C3	Sunny	Moderate	19:30	15.0	Surface	1.0	0.5	262	29.3	29.3	8.2	8.2	20.1	20.1	100.0	100.0	6.9	6.3	5.5	7.3	10	9	74	76	822127	817790	<0.2	<0.2	1.8	1.7
						1.0	0.6	274	29.3		8.2		20.1		100.0		6.9		5.5		8		74				<0.2		2.1	
					Middle	7.5	0.5	265	28.1	28.1	8.0	8.0	24.2	24.2	82.7	82.7	5.7		7.6		8		75				<0.2		1.7	
						7.5	0.5	281	28.1		8.0		24.2		82.7		5.7		7.6		9		76				<0.2		1.7	
					Bottom	14.0	0.4	235	27.8	27.8	8.0	8.0	26.1	26.1	82.5	82.5	5.6	5.6	8.7		10		77				<0.2		1.6	
						14.0	0.4	248	27.8		8.0		26.1		82.5		5.6		8.7		8		78				<0.2		1.5	
IM1	Fine	Moderate	18:27	6.4	Surface	1.0	0.8	190	30.7	30.7	8.1	8.1	16.5	16.5	102.6	102.4	7.0	6.5	13.3	15.5	11	15	75	77	818343	806450	<0.2	<0.2	2.0	1.8
						1.0	0.8	198	30.7		8.1		16.5		102.1		7.0		13.5		12		75				<0.2		1.8	
					Middle	3.2	0.2	208	28.5	29.5	7.9	7.9	16.8	16.8	82.4	81.2	6.1		15.4		11		77				<0.2		1.8	
						3.2	0.2	222	30.4		7.9		16.8		80.0		5.9		15.5		11		78				<0.2		1.9	
					Bottom	5.4	0.1	293	27.9	28.4	7.9	7.9	24.9	24.7	83.0	82.6	5.7	5.6	17.6		22		78				<0.2		1.6	
						5.4	0.2	304	28.8		7.9		24.4		82.1		5.5		17.8		24		78				<0.2		1.7	
IM2	Fine	Moderate	18:21	7.4	Surface	1.0	0.9	217	30.9	30.9	8.1	8.1	15.9	15.9	118.8	118.8	8.1	7.9	8.8	14.0	7	7	75	77	818848	806195	<0.2	<0.2	2.1	2.3
						1.0	0.9	218	30.9		8.1		15.9		118.7		8.1		8.8		6		75				<0.2		2.1	
					Middle	3.7	0.7	211	30.3	30.3	8.1	8.1	16.6	16.6	110.5	110.5	7.6		12.8		6		77				<0.2		2.5	
						3.7	0.8	226	30.3		8.1		16.6		110.5		7.6		12.8		6		77				<0.2		2.3	
					Bottom	6.4	0.4	212	29.5	29.5	7.9	7.9	20.1	20.1	98.4	98.7	6.7	6.8	20.5		8		78				<0.2		2.5	
						6.4	0.4	220	29.5		7.9		20.0		98.9		6.8		20.0		7		78				<0.2		2.4	
IM3	Fine	Moderate	18:14	7.4	Surface	1.0	0.7	226	30.4	30.4	8.1	8.1	16.2	16.2	102.7	102.7	7.1	6.9	11.0	14.6	9	9	75	77	819427	806031	<0.2	<0.2	2.3	2.2
						1.0	0.8	238	30.4		8.1		16.2		102.7		7.1		11.0		8		76				<0.2		2.1	
					Middle	3.7	0.7	228	29.9	29.9	8.1	8.1	17.0	17.0	97.5	97.4	6.7		15.4		8		77				<0.2		2.0	
						3.7	0.7	229	29.9		8.1		17.0		97.3		6.7		15.5		9		78				<0.2		2.2	
					Bottom	6.4	0.5	211	29.2	29.2	7.9	7.9	20.8	20.8	84.3	84.4	5.8	5.8	17.4		10		78				<0.2		2.3	
						6.4	0.5	215	29.2		7.9		20.7		84.4		5.8		17.1		10		79				<0.2		2.1	
IM4	Fine	Moderate	18:06	7.1	Surface	1.0	0.8	216	29.8	29.8	7.9	7.9	16.7	16.7	97.9	97.9	6.8	6.8	10.9	13.2	6	7	75	77	819556	805039	<0.2	<0.2	2.4	2.3
						1.0	0.8	237	29.8		7.9		16.7		97.9		6.8		10.9		8		75				<0.2		2.6	
					Middle	3.6	0.6	229	29.4	30.1	7.9	7.9	16.9	16.7	98.9	98.0	6.9		13.2		7		77				<0.2		2.4	
						3.6	0.6	233	30.8		7.9		16.5		97.0		6.6		13.4		7		78				<0.2		2.2	
					Bottom	6.1	0.5	222	29.2	29.2	7.9	7.9	18.6	18.6	101.3	101.5	7.0	7.0	15.5		8		78				<0.2		2.0	
						6.1	0.6	230	29.2		7.9		18.6		101.7		7.0		15.5		8		79				<0.2		2.2	
IM5	Fine	Moderate	17:54	6.1	Surface	1.0	0.6	234	29.7	29.7	8.1	8.1	17.2	17.3	102.0	100.9	7.1	6.2	10.3	15.5	8	9	75	77	820551	804905	<0.2	<0.2	2.2	2.1
						1.0	0.6	255	29.7		8.1		17.3		99.8		6.9		10.4		8		76				<0.2		2.1	
					Middle	3.1	0.4	248	28.4	28.4	7.9	7.9	22.0	22.0	77.1	77.1	5.3		16.4		10		77				<0.2		2.2	
						3.1	0.4	249	28.4		7.9		22.0		77.1		5.3		16.5		9		78				<0.2		2.1	
					Bottom	5.1	0.4	245	28.3	28.3	7.9	7.9	22.2	22.2	77.3	77.3	5.3	5.3	19.7		9		78				<0.2		2.1	
						5.1	0.4	250	28.3		7.9		22.2		77.3		5.3		19.8		10		78				<0.2		2.0	
IM6	Fine	Moderate	17:45	6.0	Surface	1.0	0.5	231	29.2	29.2	8.0	8.0	19.1	19.1	94.7	94.6	6.5	6.0	12.0	16.1	8	9	75	77	821040	805815	<0.2	<0.2	1.6	1.9
						1.0	0.5	239	29.2		8.0		19.1		94.5		6.5		12.1		8		75				<0.2		1.7	
					Middle	3.0	0.6	245	28.4	28.4	7.9	7.9	22.0	22.0	77.8	77.8	5.4		16.4		10		77				<0.2		2.0	
						3.0	0.6	248	28.4		7.9		22.0		77.8		5.4		16.7		11		77				<0.2		1.9	
					Bottom	5.0	0.5	248	28.3	28.3	7.9	7.9	22.4	22.4	77.7	77.7	5.3	5.4	19.8		9		78				<0.2		1.9	
						5.0	0.5	262	28.3		7.9		22.4		77.7		5.4		19.7		9		78				<0.2		2.1	
IM7	Fine	Moderate	17:37	7.5	Surface	1.0	0.8	227	29.6	29.6	7.8	7.8	17.2	17.7	85.0	84.9	5.9	5.8	11.4	15.4	8	9	75	77	821329	806835	<0.2	<0.2	2.2	2.2
						1.0	0.9	247	29.6		7.8		18.2		84.8		5.8		11.6		8		76				<0.2		2.1	
					Middle	3.8	0.6	242	29.4	29.4	7.8	7.8	19.6	19.6	82.3	82.3	5.6		16.5		7		77				<0.2		2.3	
						3.8	0.7	265	29.4		7.8		19.6		82.3		5.7		16.5		6		77				<0.2		2.4	
					Bottom	6.5	0.5	241	29.4	29.4	7.9	7.9	19.9	19.9	82.1	82.2	5.6	5.6	18.2		12		79				<0.2		2.0	
						6.5	0.5	253	29.3		7.9		19.9		82.2		5.6		18.1		13		79				<0.2		2.0	
IM8	Sunny	Moderate	18:05	7.4	Surface	1.0	0.8	191	29.8	29.8	8.1	8.1	15.6	15.6	97.8	97.8	6.8	6.4	6.6	8.5	8	9	74	76	821705	807819	<0.2	<0.2	2.4	2.2
						1.0	0.8	203	29.8		8.1		15.6		97.8		6.8		6.6		7		74				<0.2		2.3	
					Middle	3.7	0.6	201	28.8	28.8	8.0	8.0	20.4	20.4	86.9	86.9	6.0		8.9		8		76				<0.2		2.1	
						3.7	0.6	220	28.8		8.0		20.4		86.9		6.0		8.9		7		76				<0.2		2.2	
					Bottom	6.4	0.4	236	28.7	28.7	8.0	8.0	21.0	21.0	89.6	89.6	6.2	6.2	10.0		10		78				<0.2		2.0	
						6.4	0.4	254	28.7		8.0		21.0		89.6		6.2		10.0		11		78				<0.2		2.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 June 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	Sunny	Moderate	18:12	6.3	Surface	1.0	0.6	176	29.3	29.3	8.0	8.0	18.7	18.7	90.0	90.0	6.2	6.1	7.3	8.6	11	9	74	76	822093	808816	<0.2	<0.2	2.8	2.7
						1.0	0.6	176	29.3		8.0		18.7		90.0		6.2		7.3		9		74				<0.2		2.8	
					Middle	3.2	0.4	190	28.7	28.7	8.0	8.0	20.7	20.7	86.0	86.0	5.9		8.6		8		76				<0.2		2.9	
						3.2	0.4	205	28.7		8.0		20.7		86.0		5.9		8.6		8		76				<0.2		2.8	
					Bottom	5.3	0.3	195	28.6	28.6	8.0	8.0	21.1	21.1	87.6	87.6	6.0	6.0	10.0		8		78				<0.2		2.4	
						5.3	0.3	204	28.6		8.0		21.1		87.6		6.0		10.0		9		78				<0.2		2.4	
IM10	Sunny	Moderate	18:22	6.5	Surface	1.0	0.7	134	29.9	29.9	8.1	8.1	16.5	16.5	101.6	101.6	7.0	6.5	6.9	8.2	8	9	73	76	822247	809826	<0.2	<0.2	2.5	2.4
						1.0	0.7	141	29.9		8.1		16.5		101.6		7.0		6.9		8		74				<0.2		2.6	
					Middle	3.3	0.5	142	28.8	28.8	8.0	8.0	20.4	20.4	86.9	86.9	6.0		8.4		9		76				<0.2		2.4	
						3.3	0.5	148	28.8		8.0		20.4		86.9		6.0		8.4		7		76				<0.2		2.2	
					Bottom	5.5	0.4	141	28.5	28.5	8.0	8.0	22.2	22.2	87.4	87.4	6.0	6.0	9.4		9		77				<0.2		2.3	
						5.5	0.4	146	28.5		8.0		22.2		87.4		6.0		9.4		12		77				<0.2		2.3	
IM11	Sunny	Moderate	18:31	8.0	Surface	1.0	0.2	165	29.7	29.7	8.1	8.1	16.5	16.5	104.3	104.2	7.2	6.9	5.0	5.7	10	8	74	76	821484	810547	<0.2	<0.2	2.3	2.3
						1.0	0.3	168	29.7		8.1		16.5		104.0		7.2		5.0		9		74				<0.2		2.4	
					Middle	4.0	0.3	150	29.5	29.5	8.1	8.1	17.0	17.0	94.3	94.3	6.6		5.7		8		76				<0.2		2.0	
						4.0	0.3	151	29.5		8.1		17.0		94.3		6.6		5.7		6		76				<0.2		2.3	
					Bottom	7.0	0.6	122	28.7	28.7	8.0	8.0	21.3	21.3	92.2	92.2	6.3	6.3	6.4		9		78				<0.2		2.3	
						7.0	0.7	130	28.7		8.0		21.3		92.2		6.3		6.4		7		78				<0.2		2.2	
IM12	Sunny	Moderate	18:37	8.5	Surface	1.0	0.2	152	29.7	29.7	8.1	8.1	15.9	15.9	102.2	102.1	7.1	6.7	5.0	6.5	6	8	74	76	821154	811535	<0.2	<0.2	2.2	2.3
						1.0	0.2	155	29.7		8.1		15.9		101.9		7.1		5.0		7		74				<0.2		2.3	
					Middle	4.3	0.3	125	29.1	29.1	8.0	8.0	18.5	18.5	88.9	88.9	6.2		6.1		9		76				<0.2		2.4	
						4.3	0.3	127	29.1		8.0		18.5		88.9		6.2		6.1		7		76				<0.2		2.4	
					Bottom	7.5	0.5	98	28.7	28.7	8.0	8.0	21.3	21.3	90.2	90.2	6.2	6.2	8.4		7		78				<0.2		2.2	
						7.5	0.5	106	28.7		8.0		21.3		90.2		6.2		8.4		9		78				<0.2		2.0	
SR2	Sunny	Moderate	19:05	4.3	Surface	1.0	0.2	148	29.8	29.8	8.2	8.2	17.2	17.2	107.4	107.4	7.4	7.4	4.6	4.9	7	8	74	76	821466	814180	<0.2	<0.2	2.0	2.0
						1.0	0.2	148	29.8		8.2		17.2		107.4		7.4		4.6		9		74				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.3	211	29.0	29.0	8.1	8.1	19.6	19.6	97.1	97.1	6.7	6.7	5.2		7		78				<0.2		2.0	
						3.3	0.3	220	29.0		8.1		19.6		97.1		6.7		5.2		9		78				<0.2		1.8	
SR3	Sunny	Moderate	18:00	7.9	Surface	1.0	1.1	181	30.2	30.2	8.1	8.1	14.9	14.9	99.3	99.3	6.9	6.3	6.2	7.9	9	7	-	-	822144	807576	-	-	-	-
						1.0	1.1	198	30.2		8.1		14.9		99.3		6.9		6.2		8		-				-		-	
					Middle	4.0	0.8	186	28.5	28.5	7.9	7.9	21.2	21.2	82.5	82.5	5.7		8.8		5		-				-		-	
						4.0	0.8	186	28.5		7.9		21.2		82.5		5.7		8.8		6		-				-		-	
					Bottom	6.9	0.5	229	28.4	28.4	7.9	7.9	22.3	22.3	85.7	85.8	5.9	5.9	8.8		6		-				-		-	
						6.9	0.5	241	28.4		7.9		22.2		85.9		5.9		8.8		8		-				-		-	
SR4A	Fine	Moderate	19:03	7.1	Surface	1.0	0.7	250	29.9	29.9	8.2	8.2	19.8	19.8	118.0	117.9	8.0	7.0	11.5	15.0	8	10	-	-	817169	807806	-	-	-	-
						1.0	0.8	258	29.9		8.2		19.8		117.8		8.0		11.5		9		-				-		-	
					Middle	3.6	0.7	256	28.7	28.7	8.0	8.0	22.7	22.7	88.6	88.6	6.1		15.2		9		-				-		-	
						3.6	0.7	274	28.7		8.0		22.6		88.5		6.0		15.0		11		-				-		-	
					Bottom	6.1	0.4	257	28.0	28.0	7.9	7.9	24.9	24.9	81.8	82.0	5.6	5.6	18.5		12		-				-		-	
						6.1	0.4	275	28.0		7.9		24.9		82.1		5.6		18.5		12		-				-		-	
SR5A	Fine	Moderate	19:25	5.3	Surface	1.0	0.2	301	30.3	30.3	8.3	8.3	19.0	19.0	139.7	139.7	9.5	9.5	9.0	11.8	8	10	-	-	816603	810681	-	-	-	-
						1.0	0.2	318	30.3		8.3		19.0		139.7		9.5		9.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	286	28.7	28.7	8.0	8.0	22.2	22.2	93.6	93.7	6.4	6.4	14.6		13		-				-		-	
						4.3	0.2	310	28.7		8.0		22.2		93.7		6.4		14.6		12		-				-		-	
SR6	Fine	Moderate	19:55	4.2	Surface	1.0	0.1	229	29.8	29.8	8.2	8.2	20.0	20.0	129.7	129.6	8.8	8.8	14.8	17.2	9	10	-	-	817892	814680	-	-	-	-
						1.0	0.1	238	29.8		8.2		20.0		129.4		8.8		14.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	196	29.3	29.3	8.1	8.1	20.9	20.9	112.0	112.1	7.6	7.6	19.5		10		-				-		-	
						3.2	0.1	196	29.3		8.1		20.9		112.1		7.6		19.4		10		-				-		-	
SR7	Sunny	Moderate	20:04	20.3	Surface	1.0	0.2	198	29.4	29.4	8.2	8.2	20.3	20.3	102.4	102.4	7.0	6.6	4.5	5.0	4	5	-	-	823630	823739	-	-	-	-
						1.0	0.2	205	29.4		8.2		20.3		102.4		7.0		4.5		5		-				-		-	
					Middle	10.2	0.3	192	28.4	28.4	8.1	8.1	23.1	23.1	90.0	89.9	6.2		5.0		4		-				-		-	
						10.2	0.3	198	28.4		8.1		23.1		89.8		6.1		5.0		5		-				-		-	
					Bottom	19.3	0.4	188	27.7	27.7	8.0	8.0	26.5	26.5	88.4	88.4	6.0	6.0	5.4		4		-				-		-	
						19.3	0.4	200	27.7		8.0		26.5		88.4		6.0		5.4		6		-				-		-	
SR8	Sunny	Moderate	18:45	4.6	Surface	1.0	0.2	165	29.8	29.8	8.2	8.2	16.9	16.9	118.4	118.4	8.2	8.2	6.7	8.8	6	6	-	-	820414	811587	-	-	-	-
						1.0	0.2	170	29.8		8.2		16.9		118.4		8.2		6.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	187	29.9	29.9	8.1	8.1	18.7	18.7	104.1	104.1	7.1	7.1	10.9		6		-				-		-	
						3.6	0.2	188	29.9		8.1		18.7		104.1		7.1		10.9		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 June 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	Fine	Moderate	12:00	7.5	Surface	1.0	0.6	195	30.8	30.8	8.0	8.0	17.2	17.2	101.1	100.9	6.9	6.3	6.6	10.1	6	8	75	77	815605	804230	<0.2	<0.2	2.0	1.9
						1.0	0.6	209	30.8		8.0		17.2		100.6		6.8		6.7		7		76				<0.2		2.2	
					Middle	3.8	0.5	203	28.3	28.7	7.9	7.9	22.9	22.7	85.7	85.1	5.9		9.4		8		77				<0.2		2.4	
						3.8	0.6	208	29.1		7.9		22.5		84.5		5.7		9.5		6		77				<0.2		2.3	
					Bottom	6.5	0.3	221	27.4	27.4	7.9	7.9	27.2	27.2	85.9	86.2	5.8	5.9	14.0		10		78				<0.2		1.2	
						6.5	0.3	233	27.4		7.9		27.2		86.4		5.9		14.2		8		78				<0.2		1.3	
C2	Sunny	Moderate	13:42	10.4	Surface	1.0	1.0	171	29.8	29.8	8.1	8.1	15.6	15.9	99.3	99.1	6.9	6.3	5.8	6.9	9	9	74	76	825701	806945	<0.2	<0.2	2.3	2.1
						1.0	1.1	172	29.8		8.1		16.2		98.9		6.9		5.8		10		74				<0.2		2.2	
					Middle	5.2	1.0	162	28.2	28.2	7.9	7.9	23.8	23.8	83.0	83.0	5.7		7.4		10		76				<0.2		2.3	
						5.2	1.0	173	28.2		7.9		23.8		83.0		5.7		7.4		8		75				<0.2		2.2	
					Bottom	9.4	1.3	166	28.2	28.2	7.9	7.9	24.2	24.2	84.8	84.8	5.8	5.8	7.5		9		77				<0.2		1.8	
						9.4	1.5	174	28.2		7.9		24.2		84.8		5.8		7.5		10		77				<0.2		2.0	
C3	Sunny	Moderate	11:30	16.3	Surface	1.0	0.3	83	29.0	29.0	8.1	8.1	22.0	22.0	96.2	96.2	6.6	6.2	3.6	4.7	8	8	74	76	822112	817785	<0.2	<0.2	1.6	1.2
						1.0	0.3	85	29.0		8.1		22.0		96.2		6.6		3.6		6		74				<0.2		1.3	
					Middle	8.2	0.3	58	27.3	27.3	8.0	8.0	28.6	28.6	84.9	84.9	5.7		5.0		8		76				<0.2		1.0	
						8.2	0.3	63	27.3		8.0		28.6		84.9		5.7		5.0		7		75				<0.2		1.2	
					Bottom	15.3	1.2	67	26.7	26.7	7.9	7.9	30.7	30.7	81.6	81.6	5.5	5.5	5.6		9		77				<0.2		0.9	
						15.3	1.2	71	26.7		7.9		30.7		81.6		5.5		5.6		8		77				<0.2		1.0	
IM1	Fine	Moderate	12:16	8.1	Surface	1.0	0.6	194	30.3	30.4	8.0	8.0	19.0	18.9	91.2	90.9	6.2	5.6	9.1	11.9	8	9	75	77	818337	806475	<0.2	<0.2	1.3	1.6
						1.0	0.6	201	30.4		8.0		18.8		90.6		6.1		9.1		6		76				<0.2		1.6	
					Middle	4.1	0.4	186	28.3	28.3	7.9	7.9	25.3	25.4	74.2	74.2	5.0		13.0		10		77				<0.2		1.8	
						4.1	0.4	203	28.3		7.9		25.4		74.2		5.0		13.0		8		77				<0.2		1.7	
					Bottom	7.1	0.1	206	27.6	27.7	7.9	7.9	26.2	26.2	77.3	77.4	5.3	5.3	13.6		12		78				<0.2		1.6	
						7.1	0.1	217	27.7		7.9		26.2		77.5		5.3		13.6		10		78				<0.2		1.6	
IM2	Fine	Moderate	12:28	8.3	Surface	1.0	0.6	200	30.7	30.7	8.1	8.1	15.4	15.4	100.2	99.8	6.9	6.1	7.9	12.5	6	8	75	77	818840	806176	<0.2	<0.2	1.9	1.8
						1.0	0.6	209	30.6		8.1		15.4		99.4		6.8		8.0		8		75				<0.2		2.1	
					Middle	4.2	0.5	200	28.6	28.6	7.9	7.9	22.9	22.9	78.3	78.3	5.4		12.2		8		77				<0.2		1.7	
						4.2	0.5	204	28.6		7.9		22.9		78.3		5.3		12.3		8		77				<0.2		1.8	
					Bottom	7.3	0.3	171	28.1	28.1	7.8	7.8	25.8	25.8	78.4	78.6	5.3	5.3	17.2		9		78				<0.2		1.6	
						7.3	0.3	180	28.1		7.8		25.8		78.7		5.3		17.3		8		78				<0.2		1.5	
IM3	Fine	Moderate	12:38	7.7	Surface	1.0	0.7	212	31.0	31.0	8.1	8.1	14.3	14.3	120.0	119.7	8.2	6.9	6.3	11.9	9	8	75	77	819398	806026	<0.2	<0.2	2.0	1.5
						1.0	0.7	212	31.0		8.1		14.3		119.4		8.2		6.4		7		75				<0.2		1.8	
					Middle	3.9	0.5	210	28.8	28.8	7.9	7.9	22.1	22.1	82.3	82.3	5.6		9.7		8		78				<0.2		1.3	
						3.9	0.5	213	28.8		7.9		22.1		82.3		5.6		9.8		6		78				<0.2		1.5	
					Bottom	6.7	0.4	194	28.3	28.3	7.8	7.8	24.5	24.5	77.3	77.4	5.3	5.3	19.6		8		79				<0.2		1.1	
						6.7	0.5	212	28.3		7.8		24.5		77.4		5.3		19.6		8		79				<0.2		1.1	
IM4	Fine	Moderate	12:46	6.7	Surface	1.0	0.8	202	30.2	30.2	8.0	8.0	15.7	15.7	109.5	109.5	7.6	7.0	6.1	11.3	6	6	75	77	819569	805025	<0.2	<0.2	1.9	2.0
						1.0	0.8	204	30.2		8.0		15.7		109.5		7.6		6.1		7		75				<0.2		1.9	
					Middle	3.4	0.6	204	29.4	29.4	7.9	7.9	19.5	19.5	91.5	91.5	6.3		9.3		7		77				<0.2		1.9	
						3.4	0.7	215	29.4		7.9		19.5		91.5		6.3		9.3		6		77				<0.2		2.0	
					Bottom	5.7	0.2	194	28.6	28.6	7.9	7.9	24.2	24.2	84.0	84.1	5.7	5.7	18.5		6		78				<0.2		2.0	
						5.7	0.3	199	28.6		7.9		24.2		84.2		5.7		18.6		4		78				<0.2		2.3	
IM5	Fine	Moderate	12:59	6.4	Surface	1.0	0.6	213	30.2	30.2	7.9	8.0	16.5	16.5	98.3	98.2	6.8	6.2	8.2	9.8	4	6	75	77	820583	804912	<0.2	<0.2	2.1	2.0
						1.0	0.6	217	30.2		8.0		16.5		98.1		6.8		8.2		5		75				<0.2		2.3	
					Middle	3.2	0.6	202	29.3	29.3	7.9	7.9	19.9	19.9	81.0	81.0	5.6		10.5		8		77				<0.2		1.9	
						3.2	0.6	202	29.3		7.9		19.8		81.0		5.6		10.5		8		77				<0.2		1.7	
					Bottom	5.4	0.2	242	28.9	28.9	7.9	7.9	21.6	21.6	82.2	82.3	5.6	5.6	10.8		6		78				<0.2		1.8	
						5.4	0.2	261	28.9		7.9		21.6		82.3		5.6		10.8		6		78				<0.2		2.1	
IM6	Fine	Moderate	13:06	7.7	Surface	1.0	0.5	210	30.1	30.1	7.9	7.9	16.5	16.5	93.0	92.8	6.4	6.0	8.8	13.4	7	8	75	77	821052	805840	<0.2	<0.2	2.0	2.0
						1.0	0.5	229	30.1		7.9		16.5		92.6		6.4		8.9		6		75				<0.2		2.1	
					Middle	3.9	0.6	200	29.2	29.2	7.8	7.8	20.0	20.0	80.1	80.1	5.5		11.9		7		77				<0.2		1.9	
						3.9	0.6	218	29.2		7.8		20.0		80.1		5.5		11.9		7		77				<0.2		1.9	
					Bottom	6.7	0.4	231	28.7	28.7	7.8	7.8	22.8	22.8	79.2	79.3	5.4	5.4	19.2		10		78				<0.2		2.0	
						6.7	0.4	245	28.7		7.8		22.8		79.4		5.4		19.5		11		78				<0.2		1.9	
IM7	Fine	Moderate	13:13	7.8	Surface	1.0	0.6	211	30.3	30.4	7.9	7.9	17.2	17.2	90.4	90.3	6.2	5.9	8.8	10.1	5	7	75	77	821358	806829	<0.2	<0.2	2.2	2.0
						1.0	0.7	215	30.4		7.9		17.2		90.1		6.2		8.8		6		75				<0.2		2.0	
					Middle	3.9	0.4	245	29.3	29.3	7.9	7.9	20.1	20.1	80.0	80.0	5.5		10.6		8		77				<0.2		1.6	
						3.9	0.4	248	29.3		7.9		20.0		80.0		5.5		10.6		11		77				<0.2		1.9	
					Bottom	6.8	0.3	272	29.0	29.0	7.8	7.8	21.1	21.1	82.2	82.3	5.6	5.7	10.8		7		78				<0.2		2.0	
						6.8	0.3	292	29.0		7.8		21.0		82.4		5.7		10.8		5		79				<0.2		2.0	
IM8	Sunny	Moderate	13:11	8.0	Surface	1.0	0.6	172	29.1	29.1	8.0	8.0	17.9	17.9	85.9	85.9	6.0	5.8	6.0	7.1	7	6	73	75	821695	807824	<0.2	<0.2	1.9	1.8
						1.0	0.6	173	29.1		8.0		17.9		85.9		6.0		6.0		5		73				<0.2		2.0	
					Middle	4.0	0.3	172	28.5	28.5	7.9	7.9	21.1	21.1	80.6	80.6	5.6		7.6		5		75				<0.2		1.7	
						4.0	0.4	176	28.5		7.9		21.1		80.6		5.6		7.6		5		76				<0.2		1.7	
					Bottom	7.0	0.1	164	28.2	28.2	7.9	7.9	23.9	23.8	85.1	85.3	5.8	5.8	7.8		6		77				<0.2		1.8	
						7.0	0.1	169	28.2		7.9		23.7		85.4		5.8		7.8		6		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 08 June 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	Sunny	Moderate	13:02	7.1	Surface	1.0	0.6	151	29.4	29.4	8.0	8.0	17.2	17.2	89.0	89.0	6.2	5.9	5.4	7.8	6	7	74	75	822107	808803	<0.2	<0.2	2.2	2.0
						1.0	0.6	152	29.4		8.0		17.2		89.0		6.2		5.4		8		73				<0.2		2.2	
					Middle	3.6	0.4	129	28.4	28.4	7.9	7.9	21.9	21.9	80.4	80.4	5.5		8.6		7		75				<0.2		2.1	
						3.6	0.4	137	28.4		7.9		21.9		80.4		5.5		8.6		5		75				<0.2		2.0	
					Bottom	6.1	0.9	129	28.2	28.2	8.0	8.0	22.8	22.8	85.2	85.2	5.9	5.9	9.3		6		77				<0.2		1.8	
						6.1	1.0	130	28.2		8.0		22.8		85.2		5.9		9.3		8		77				<0.2		1.6	
IM10	Sunny	Moderate	12:53	7.8	Surface	1.0	0.5	136	29.8	29.8	8.1	8.1	17.0	17.0	98.1	98.1	6.8	6.3	5.4	9.7	9	7	73	75	822240	809822	<0.2	<0.2	1.7	1.8
						1.0	0.5	142	29.8		8.1		17.0		98.1		6.8		5.4		7		74				<0.2		2.0	
					Middle	3.9	0.6	126	28.6	28.6	7.9	7.9	20.3	20.3	81.9	81.9	5.7		10.3		5		75				<0.2		1.8	
						3.9	0.6	134	28.6		7.9		20.3		81.9		5.7		10.3		6		76				<0.2		2.0	
					Bottom	6.8	0.4	94	28.2	28.2	7.9	7.9	22.7	22.7	83.8	83.8	5.8	5.8	13.3		8		77				<0.2		1.6	
						6.8	0.4	97	28.2		7.9		22.7		83.8		5.8		13.3		8		77				<0.2		1.7	
IM11	Sunny	Moderate	12:42	9.0	Surface	1.0	0.4	127	29.6	29.6	8.1	8.1	17.2	17.2	94.8	94.8	6.6	6.2	6.2	11.6	8	8	74	75	821496	810562	<0.2	<0.2	1.8	1.8
						1.0	0.4	134	29.6		8.1		17.2		94.8		6.6		6.2		9		74				<0.2		1.8	
					Middle	4.5	0.4	103	28.6	28.6	8.0	8.0	20.8	20.8	83.3	83.3	5.8		11.3		6		75				<0.2		2.0	
						4.5	0.4	113	28.6		8.0		20.8		83.3		5.8		11.3		6		75				<0.2		1.9	
					Bottom	8.0	0.2	82	28.4	28.4	8.0	8.0	22.0	22.0	85.9	85.9	5.9	5.9	17.3		8		77				<0.2		1.7	
						8.0	0.2	84	28.4		8.0		22.0		85.9		5.9		17.3		10		77				<0.2		1.8	
IM12	Sunny	Moderate	12:34	9.4	Surface	1.0	0.6	101	29.3	29.3	8.1	8.1	18.2	18.2	89.1	89.1	6.2	6.0	8.4	12.9	5	8	73	75	821150	811531	<0.2	<0.2	1.9	1.7
						1.0	0.6	102	29.3		8.1		18.2		89.1		6.2		8.4		6		74				<0.2		1.9	
					Middle	4.7	0.5	90	28.5	28.5	8.0	8.0	21.5	21.5	82.3	82.3	5.7		12.5		6		75				<0.2		1.8	
						4.7	0.6	92	28.5		8.0		21.5		82.2		5.7		12.6		6		76				<0.2		1.7	
					Bottom	8.4	0.4	83	28.4	28.4	8.0	8.0	22.3	22.4	81.3	81.3	5.6	5.6	17.7		11		77				<0.2		1.5	
						8.4	0.4	86	28.4		8.0		22.4		81.3		5.6		17.9		13		77				<0.2		1.4	
SR2	Sunny	Moderate	12:01	5.2	Surface	1.0	0.4	113	28.8	28.8	8.0	8.0	20.4	20.4	90.4	90.4	6.2	6.2	6.9	8.2	7	8	74	76	821443	814173	<0.2	<0.2	1.8	1.7
						1.0	0.5	118	28.8		8.0		20.4		90.4		6.2		6.9		5		74				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	123	28.7	28.7	8.0	8.0	21.6	21.6	94.5	94.5	6.5	6.5	9.4		10		77				<0.2		1.6	
						4.2	0.3	125	28.7		8.0		21.6		94.5		6.5		9.4		8		77				<0.2		1.7	
SR3	Sunny	Moderate	13:18	8.7	Surface	1.0	0.8	171	29.1	29.1	8.0	8.0	17.9	17.9	84.2	84.2	5.9	5.6	6.2	9.5	5	6	-	-	822134	807581	-	-	-	-
						1.0	0.8	175	29.1		8.0		17.9		84.2		5.9		6.2		5		-				-		-	
					Middle	4.4	0.4	177	28.3	28.3	7.9	7.9	22.1	22.1	76.1	76.1	5.2		10.2		6		-				-		-	
						4.4	0.5	185	28.3		7.9		22.1		76.1		5.2		10.2		7		-				-		-	
					Bottom	7.7	0.8	184	27.8	27.8	7.9	7.9	25.6	25.6	77.3	77.3	5.3	5.3	12.1		7		-				-		-	
						7.7	0.8	188	27.8		7.9		25.6		77.3		5.3		12.1		8		-				-		-	
SR4A	Fine	Moderate	11:31	6.3	Surface	1.0	0.2	84	29.6	29.7	7.9	7.9	20.3	20.1	98.6	98.6	6.7	5.8	9.0	13.4	5	6	-	-	817182	807792	-	-	-	-
						1.0	0.3	91	29.7		7.9		19.9		98.5		6.7		9.0		5		-				-		-	
					Middle	3.2	0.3	55	29.6	28.6	7.8	7.9	25.2	25.8	71.9	73.1	4.8		15.1		6		-				-		-	
						3.2	0.3	56	27.6		7.9		26.3		74.2		5.1		15.0		8		-				-		-	
					Bottom	5.3	0.2	62	27.5	27.5	7.9	7.9	26.4	26.4	76.1	76.1	5.2	5.2	16.0		6		-				-		-	
						5.3	0.2	66	27.5		7.9		26.4		76.1		5.2		16.5		8		-				-		-	
SR5A	Fine	Moderate	11:14	9.0	Surface	1.0	0.1	326	30.4	30.4	8.0	8.0	18.3	18.3	112.0	111.9	7.6	7.6	8.5	9.7	7	9	-	-	816596	810697	-	-	-	-
						1.0	0.1	327	30.4		8.0		18.2		111.8		7.6		8.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	8.0	0.1	265	29.7	29.7	8.0	8.0	19.8	19.8	109.5	109.6	7.5	7.5	10.9		10		-				-		-	
						8.0	0.1	273	29.7		8.0		19.8		109.7		7.5		10.9		12		-				-		-	
SR6	Fine	Moderate	10:48	5.5	Surface	1.0	0.1	70	29.8	29.8	8.0	8.0	18.7	18.7	114.6	114.5	7.8	7.8	9.9	11.0	9	10	-	-	817880	814647	-	-	-	-
						1.0	0.1	74	29.8		8.0		18.7		114.4		7.8		9.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	62	29.6	29.6	7.9	7.9	19.7	19.7	108.8	108.8	7.4	7.4	12.1		11		-				-		-	
						4.5	0.1	64	29.6		7.9		19.7		108.8		7.4		12.0		10		-				-		-	
SR7	Sunny	Moderate	10:46	21.2	Surface	1.0	0.6	72	27.7	27.7	8.0	8.0	27.8	27.8	91.4	91.4	6.2	6.0	3.3	3.9	7	8	-	-	823625	823730	-	-	-	-
						1.0	0.6	76	27.7		8.0		27.8		91.4		6.2		3.3		9		-				-		-	
					Middle	10.6	0.7	28	27.2	27.2	7.9	7.9	28.4	28.4	83.5	83.5	5.7		3.9		7		-				-		-	
						10.6	0.7	30	27.2		7.9		28.4		83.5		5.7		3.9		7		-				-		-	
					Bottom	20.2	2.1	54	26.6	26.6	7.9	7.9	30.6	30.6	84.0	84.2	5.7	5.7	4.5		10		-				-		-	
						20.2	2.1	58	26.6		7.9		30.6		84.3		5.7		4.5		8		-				-		-	
SR8	Sunny	Moderate	12:27	5.5	Surface	1.0	0.1	280	29.5	29.5	8.1	8.1	18.9	18.9	98.1	98.1	6.7	6.7	7.0	9.9	11	10	-	-	820398	811587	-	-	-	-
						1.0	0.1	307	29.5		8.1		18.9		98.1		6.7		7.0		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	134	28.8	28.8	8.0	8.0	21.4	21.4	94.2	94.2	6.5	6.5	12.7		9		-				-		-	
						4.5	0.1	142	28.8		8.0		21.4		94.2		6.5		12.7		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 10 June 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	19:47	6.4	Surface	1.0	0.7	195	30.2	30.2	8.1	8.1	16.3	16.3	106.4	106.3	7.3	6.9	7.5	13.1	9	11	74	76	815617	804245	<0.2	<0.2	1.1	0.8
						1.0	0.7	197	30.2		8.1		16.2		106.1		7.3		7.6		7		75				<0.2		1.1	
					Middle	3.2	0.5	200	29.8	29.9	8.1	8.1	17.0	17.0	93.1	92.8	6.4		11.2		9		76				<0.2		0.8	
						3.2	0.5	217	29.9		8.1		17.0		92.4		6.4		11.4		11		76				<0.2		0.9	
					Bottom	5.4	0.4	199	28.3	28.3	7.9	7.9	23.8	23.8	77.4	77.5	5.3	5.3	20.5		13		77				<0.2		0.5	
						5.4	0.4	217	28.3		7.9		23.8		77.5		5.3		20.6		14		77				<0.2		0.5	
C2	Cloudy	Moderate	19:01	12.1	Surface	1.0	0.5	152	29.2	29.2	8.0	8.0	17.1	17.1	87.1	87.1	6.1	5.9	6.0	6.7	6	8	75	77	825682	806930	<0.2	<0.2	2.3	2.1
						1.0	0.5	154	29.2		8.0		17.1		87.1		6.1		6.0		7		76				<0.2		2.1	
					Middle	6.1	0.4	150	28.8	28.8	8.0	8.0	20.3	20.3	82.9	82.9	5.7		6.7		8		77				<0.2		2.2	
						6.1	0.4	152	28.8		8.0		20.3		82.9		5.7		6.7		7		77				<0.2		2.2	
					Bottom	11.1	0.5	118	28.6	28.6	8.0	8.0	21.8	21.8	88.3	88.3	6.1	6.1	7.4		11		78				<0.2		2.0	
						11.1	0.5	124	28.6		8.0		21.8		88.3		6.1		7.4		9		78				<0.2		1.8	
C3	Cloudy	Moderate	20:34	13.4	Surface	1.0	0.5	62	28.7	28.7	8.1	8.1	22.1	22.1	92.9	92.9	6.4	6.1	7.3	8.0	8	11	77	79	822099	817811	<0.2	<0.2	2.0	1.7
						1.0	0.5	66	28.7		8.1		22.1		92.9		6.4		7.3		7		78				<0.2		1.8	
					Middle	6.7	0.8	102	28.0	28.0	8.0	8.0	24.5	24.5	84.3	84.3	5.8		8.8		12		78				<0.2		1.7	
						6.7	0.8	103	28.0		8.0		24.5		84.3		5.8		8.8		13		79				<0.2		1.7	
					Bottom	12.4	0.4	116	27.7	27.7	8.0	8.0	26.7	26.7	87.7	87.7	5.9	5.9	7.9		14		80				<0.2		1.4	
						12.4	0.5	126	27.7		8.0		26.7		87.7		5.9		7.9		12		80				<0.2		1.3	
IM1	Fine	Moderate	19:38	7.5	Surface	1.0	0.6	174	30.0	30.0	8.0	8.0	16.6	16.6	91.0	90.8	6.3	5.9	10.9	14.7	5	14	74	75	818345	806472	<0.2	<0.2	2.1	1.4
						1.0	0.7	174	30.0		8.0		16.6		90.5		6.2		11.1		6		75				<0.2		1.9	
					Middle	3.8	0.5	169	28.8	28.8	7.9	7.9	21.3	21.3	81.2	81.2	5.6		14.7		16		75				<0.2		1.3	
						3.8	0.5	184	28.8		7.9		21.3		81.2		5.6		14.8		15		75				<0.2		1.2	
					Bottom	6.5	0.3	152	28.5	28.5	7.9	7.9	22.9	22.9	83.1	83.3	5.7	5.7	18.3		22		76				<0.2		1.1	
						6.5	0.3	165	28.5		7.9		22.9		83.5		5.7		18.3		21		76				<0.2		1.0	
IM2	Fine	Moderate	19:33	8.7	Surface	1.0	0.7	200	29.7	29.7	8.1	8.1	16.4	16.4	102.4	102.3	7.1	6.9	6.8	8.2	6	5	76	77	818853	806175	<0.2	<0.2	1.7	1.7
						1.0	0.7	218	29.7		8.1		16.3		102.1		7.1		6.8		4		76				<0.2		1.8	
					Middle	4.4	0.6	193	29.3	29.3	8.0	8.0	17.2	17.2	95.3	95.2	6.6		7.7		6		77				<0.2		1.7	
						4.4	0.6	199	29.3		8.0		17.2		95.0		6.6		7.8		4		77				<0.2		1.8	
					Bottom	7.7	0.5	175	28.6	28.6	8.0	8.0	21.1	21.1	95.7	96.0	6.6	6.6	9.9		6		77				<0.2		1.5	
						7.7	0.5	190	28.6		8.0		21.1		96.2		6.6		9.9		6		77				<0.2		1.4	
IM3	Fine	Moderate	19:26	8.6	Surface	1.0	0.6	179	30.3	30.4	8.0	8.0	16.9	16.9	99.5	99.4	6.8	6.3	7.5	11.5	4	7	75	75	819429	806007	<0.2	<0.2	1.8	1.6
						1.0	0.6	179	30.4		8.0		16.8		99.3		6.8		7.5		4		75				<0.2		1.8	
					Middle	4.3	0.5	179	29.0	29.0	7.9	7.9	19.6	19.6	83.9	83.9	5.8		12.1		7		75				<0.2		1.5	
						4.3	0.6	193	29.0		7.9		19.6		83.8		5.8		12.3		9		75				<0.2		1.8	
					Bottom	7.6	0.5	175	28.7	28.7	7.9	7.9	23.1	23.1	87.3	87.5	5.9	6.0	14.8		9		76				<0.2		1.4	
						7.6	0.6	186	28.7		7.9		23.1		87.7		6.0		14.6		9		76				<0.2		1.4	
IM4	Fine	Moderate	19:20	8.1	Surface	1.0	0.5	163	29.2	29.5	7.9	7.9	18.1	18.0	84.0	83.5	5.8	5.6	13.1	16.1	8	15	74	75	819561	805042	<0.2	<0.2	1.7	1.4
						1.0	0.6	171	29.7		7.9		17.9		82.9		5.7		13.3		8		74				<0.2		1.7	
					Middle	4.1	0.4	168	28.6	28.6	7.9	7.9	21.5	21.6	80.3	80.3	5.5		16.0		15		75				<0.2		1.4	
						4.1	0.4	174	28.6		7.9		21.6		80.2		5.5		16.1		16		75				<0.2		1.2	
					Bottom	7.1	0.3	154	28.3	28.3	7.9	7.9	22.8	22.8	81.3	81.5	5.6	5.6	19.0		19		75				<0.2		1.2	
						7.1	0.4	166	28.3		7.9		22.8		81.6		5.6		19.0		21		76				<0.2		1.2	
IM5	Fine	Moderate	19:14	7.4	Surface	1.0	0.6	181	29.5	29.3	7.9	7.9	17.4	17.5	88.5	88.6	6.1	5.8	8.9	13.1	4	10	75	75	820577	804905	<0.2	<0.2	2.2	1.7
						1.0	0.6	194	29.1		7.9		17.5		88.7		6.2		9.0		5		75				<0.2		1.9	
					Middle	3.7	0.5	177	24.7	24.8	7.9	7.9	20.2	20.1	87.8	87.7	5.3		12.3		4		75				<0.2		1.7	
						3.7	0.5	187	24.8		7.9		20.0		87.6		5.4		12.1		6		75				<0.2		1.9	
					Bottom	6.4	0.4	186	28.7	28.7	7.9	7.9	23.2	23.2	82.6	82.8	5.6	5.7	18.1		21		76				<0.2		1.3	
						6.4	0.4	191	28.7		7.9		23.2		83.0		5.7		17.9		20		76				<0.2		1.3	
IM6	Fine	Moderate	19:08	7.1	Surface	1.0	0.4	212	29.5	29.5	8.0	8.0	15.7	15.7	94.4	94.2	6.6	6.4	7.8	10.1	4	6	74	75	821048	805817	<0.2	<0.2	1.8	1.4
						1.0	0.5	215	29.5		8.0		15.7		93.9		6.6		7.9		5		75				<0.2		1.7	
					Middle	3.6	0.5	199	29.0	29.0	8.0	8.0	17.9	17.9	87.2	87.1	6.1		9.6		4		75				<0.2		1.3	
						3.6	0.5	208	29.0		8.0		17.9		87.0		6.1		9.7		5		75				<0.2		1.3	
					Bottom	6.1	0.5	193	28.7	28.7	7.9	7.9	21.3	21.3	88.9	89.1	6.1	6.1	12.6		8		76				<0.2		1.2	
						6.1	0.5	194	28.7		7.9		21.3		89.3		6.1		12.7		8		76				<0.2		1.2	
IM7	Fine	Moderate	19:00	8.8	Surface	1.0	0.2	204	29.9	29.9	8.0	8.0	15.5	15.5	95.1	94.9	6.6	6.3	7.6	10.0	6	8	74	74	821357	806842	<0.2	<0.2	1.9	1.6
						1.0	0.2	219	29.8		8.0		15.5		94.7		6.6		7.7		4		74				<0.2		2.0	
					Middle	4.4	0.3	164	29.1	29.1	8.0	8.0	19.1	19.1	87.4	87.3	6.0		9.3		9		74				<0.2		1.4	
						4.4	0.3	179	29.1		8.0		19.1		87.1		6.0		9.5		8		74				<0.2		1.6	
					Bottom	7.8	0.2	129	28.6	28.6	7.9	7.9	22.5	22.5	90.4	90.7	6.2	6.2	12.8		10		75				<0.2		1.2	
						7.8	0.2	137	28.6		7.9		22.5		90.9		6.2		13.0		9		75				<0.2		1.3	
IM8	Cloudy	Moderate	19:21	7.4	Surface	1.0	0.3	174	29.3	29.3	8.1	8.1	16.5	16.5	93.3	93.3	6.5	6.2	5.5	7.3	5	7	75	77	821693	807838	<0.2	<0.2	1.6	1.7
						1.0	0.3	182	29.3		8.1		16.5		93.3		6.5		5.5		6		75				<0.2		1.7	
					Middle	3.7	0.2	119	28.4	28.4	8.0	8.0	22.0	22.0	84.4	84.4	5.8		9.4		8		76				<0.2		1.9	
						3.7	0.2	129	28.4		8.0		22.0		84.4		5.8		9.4		7		77				<0.2		1.7	
					Bottom	6.4	0.2	46	28.3	28.3	8.0	8.0	22.7	22.7	88.1	88.1	6.1	6.1	7.1		9		78				<0.2		1.4	
						6.4	0.2	47	28.3		8.0		22.7		88.1		6.1		7.1		9		78				<0.2		1.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 June 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	19:27	8.3	Surface	1.0	0.7	106	29.6	29.6	8.1	8.1	16.4	16.4	101.6	101.6	7.1	6.6	5.3	9.0	6	7	75	77	822103	808805	<0.2	<0.2	1.9	1.6
						1.0	0.7	114	29.6		8.1		16.4		101.6		7.1		5.3		6		75				<0.2		1.8	
					Middle	4.2	0.5	88	28.8	28.8	8.0	8.0	20.1	20.1	88.1	88.1	6.1		9.9		5		76				<0.2		1.6	
						4.2	0.5	96	28.8		8.0		20.1		88.1		6.1		9.9		6		77				<0.2		1.7	
					Bottom	7.3	0.4	92	28.8	28.8	8.0	8.0	20.4	20.4	95.1	95.1	6.6	6.6	11.9		10		78				<0.2		1.4	
						7.3	0.4	97	28.8		8.0		20.4		95.1		6.6		11.9		10		78				<0.2		1.4	
IM10	Cloudy	Moderate	19:34	8.7	Surface	1.0	0.8	110	29.6	29.6	8.1	8.1	16.2	16.2	100.2	100.2	7.0	6.6	5.7	9.7	6	7	75	77	822233	809852	<0.2	<0.2	1.7	1.8
						1.0	0.8	120	29.6		8.1		16.2		100.2		7.0		5.7		6		76				<0.2		2.0	
					Middle	4.4	0.6	80	28.8	28.8	8.0	8.0	19.9	19.9	87.6	87.6	6.1		9.8		6		77				<0.2		2.0	
						4.4	0.6	87	28.8		8.0		19.9		87.6		6.1		9.8		7		77				<0.2		1.8	
					Bottom	7.7	0.4	54	28.7	28.7	8.0	8.0	20.8	20.8	90.5	90.5	6.2	6.2	13.7		10		78				<0.2		1.7	
						7.7	0.4	57	28.7		8.0		20.8		90.5		6.2		13.7		9		78				<0.2		1.8	
IM11	Cloudy	Moderate	19:42	8.4	Surface	1.0	0.7	106	29.6	29.6	8.1	8.1	16.2	16.2	105.7	105.7	7.4	6.8	5.2	8.4	6	6	76	77	821502	810533	<0.2	<0.2	2.0	1.8
						1.0	0.8	110	29.6		8.1		16.2		105.7		7.4		5.2		4		76				<0.2		1.6	
					Middle	4.2	0.6	80	28.8	28.8	8.0	8.0	19.7	19.7	90.0	90.0	6.2		8.1		8		76				<0.2		1.7	
						4.2	0.7	87	28.8		8.0		19.7		90.0		6.2		8.1		6		77				<0.2		1.8	
					Bottom	7.4	0.4	99	28.7	28.7	8.0	8.0	20.9	20.9	93.0	93.0	6.4	6.4	11.8		7		78				<0.2		1.8	
						7.4	0.5	100	28.7		8.0		20.9		93.0		6.4		11.8		6		78				<0.2		1.8	
IM12	Cloudy	Moderate	19:50	8.6	Surface	1.0	0.7	106	29.5	29.5	8.1	8.1	16.3	16.3	100.6	100.6	7.0	6.6	5.9	9.1	8	7	76	77	821144	811528	<0.2	<0.2	2.0	1.8
						1.0	0.7	113	29.5		8.1		16.3		100.6		7.0		5.9		7		75				<0.2		1.9	
					Middle	4.3	0.6	83	28.8	28.8	8.0	8.0	19.7	19.7	88.2	88.2	6.1		7.6		7		77				<0.2		2.0	
						4.3	0.6	86	28.8		8.0		19.7		88.2		6.1		7.6		7		78				<0.2		1.8	
					Bottom	7.6	0.4	94	28.7	28.7	8.0	8.0	20.8	20.8	89.4	89.4	6.2	6.2	13.8		8		79				<0.2		1.6	
						7.6	0.4	95	28.7		8.0		20.8		89.4		6.2		13.8		7		79				<0.2		1.5	
SR2	Cloudy	Moderate	20:15	4.7	Surface	1.0	0.6	76	28.9	28.9	8.0	8.0	19.6	19.6	92.8	92.8	6.4	6.4	7.6	9.5	7	8	77	78	821474	814151	<0.2	<0.2	1.7	1.8
						1.0	0.6	83	28.9		8.0		19.6		92.8		6.4		7.6		5		77				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.5	55	28.7	28.7	8.0	8.0	20.7	20.7	89.0	89.0	6.1	6.1	11.3		10		79				<0.2		1.8	
						3.7	0.5	58	28.7		8.0		20.7		89.0		6.1		11.3		10		80				<0.2		2.1	
SR3	Cloudy	Moderate	19:16	8.4	Surface	1.0	0.4	162	29.6	29.6	8.1	8.1	15.7	15.7	93.6	93.6	6.5	6.0	6.1	10.0	6	10	-	-	822149	807552	-	-	-	-
						1.0	0.4	171	29.6		8.1		15.7		93.6		6.5		6.1		7		-				-		-	
					Middle	4.2	0.2	149	28.4	28.4	8.0	8.0	22.3	22.3	78.7	78.7	5.4		11.4		9		-				-		-	
						4.2	0.2	150	28.4		8.0		22.3		78.7		5.4		11.4		9		-				-		-	
					Bottom	7.4	0.2	59	28.3	28.3	8.0	8.0	22.5	22.5	79.9	79.9	5.5	5.5	12.5		13		-				-		-	
						7.4	0.2	63	28.3		8.0		22.5		79.9		5.5		12.5		13		-				-		-	
SR4A	Fine	Moderate	19:59	8.4	Surface	1.0	0.0	143	29.4	29.4	8.0	8.0	19.7	19.7	86.2	86.1	5.9	5.7	12.8	16.8	12	16	-	-	817195	807806	-	-	-	-
						1.0	0.0	155	29.4		8.0		19.7		85.9		5.9		13.0		12		-				-		-	
					Middle	4.2	0.1	36	28.5	28.5	7.9	7.9	22.4	22.4	79.1	79.1	5.4		18.3		14		-				-		-	
						4.2	0.1	37	28.5		7.9		22.4		79.1		5.4		18.3		15		-				-		-	
					Bottom	7.4	0.1	56	28.5	28.5	7.9	7.9	23.4	23.4	82.7	82.9	5.6	5.7	19.2		21		-				-		-	
						7.4	0.1	56	28.5		7.9		23.4		83.0		5.7		19.2		21		-				-		-	
SR5A	Fine	Calm	20:16	5.5	Surface	1.0	0.1	162	27.2	29.2	8.1	8.1	8.1	8.1	125.2	121.7	9.5	9.2	8.7	9.2	9	9	-	-	816605	810691	-	-	-	-
						1.0	0.1	174	31.1		8.1		8.1		118.1		8.8		9.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	127	30.6	30.6	8.1	8.1	19.7	19.8	112.8	112.7	7.6	7.6	9.5		8		-				-		-	
						4.5	0.1	136	30.5		8.1		19.8		112.6		7.6		9.5		8		-				-		-	
SR6	Fine	Calm	20:39	3.6	Surface	1.0	0.1	109	29.3	29.3	8.1	8.1	20.4	20.4	112.8	112.8	7.7	7.7	14.8	15.5	13	16	-	-	817897	814654	-	-	-	-
						1.0	0.1	115	29.2		8.1		20.4		112.8		7.7		14.8		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	56	32.0	30.6	8.1	8.1	19.2	19.8	109.5	111.9	7.2	7.5	16.1		19		-				-		-	
						2.6	0.1	61	29.2		8.1		20.4		114.3		7.8		16.2		20		-				-		-	
SR7	Cloudy	Moderate	20:57	16.4	Surface	1.0	1.3	80	28.8	28.8	8.1	8.1	21.1	21.1	94.5	94.5	6.5	6.3	5.5	5.9	7	9	-	-	823642	823750	-	-	-	-
						1.0	1.3	87	28.8		8.1		21.1		94.4		6.5		5.5		7		-				-		-	
					Middle	8.2	0.7	89	28.5	28.5	8.1	8.1	23.0	23.0	89.4	89.4	6.1		6.2		10		-				-		-	
						8.2	0.8	94	28.5		8.1		23.0		89.4		6.1		6.2		10		-				-		-	
					Bottom	15.4	0.4	239	27.9	27.9	8.0	8.0	25.8	25.8	86.4	86.4	5.9	5.9	6.1		10		-				-		-	
						15.4	0.5	246	27.9		8.0		25.8		86.4		5.9		6.1		9		-				-		-	
SR8	Cloudy	Moderate	19:59	5.1	Surface	1.0	0.6	101	29.5	29.5	8.1	8.1	16.9	16.9	105.4	105.4	7.3	7.3	4.8	5.4	8	7	-	-	820430	811609	-	-	-	-
						1.0	0.6	108	29.5		8.1		16.9		105.4		7.3		4.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.4	67	29.3	29.3	8.1	8.1	17.7	17.7	103.9	103.9	7.2	7.2	5.9		7		-				-		-	
						4.1	0.4	69	29.3		8.1		17.7		103.9		7.2		5.9		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 10 June 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	Sunny	Moderate	12:57	7.1	Surface	1.0	0.4	248	29.1	29.1	8.1	8.1	18.6	18.6	95.0	94.8	6.6	6.3	8.3	9.6	8	9	75	76	815638	804257	<0.2	<0.2	1.4	1.3
						1.0	0.4	266	29.1		8.1		18.6		94.6		6.6		8.4		8		75				<0.2		1.6	
					Middle	3.6	0.1	214	28.4	28.4	8.0	8.0	21.6	21.6	85.0	84.9	5.9		10.0		8		76				<0.2		1.4	
						3.6	0.1	228	28.4		8.0		21.6		84.8		5.9		10.1		8		75				<0.2		1.3	
					Bottom	6.1	0.2	181	28.2	28.2	8.0	8.0	24.8	24.8	90.4	90.7	6.2	6.2	10.5		10		76				<0.2		1.0	
						6.1	0.3	191	28.2		8.0		24.8		91.0		6.2		10.4		10		76				<0.2		1.1	
C2	Cloudy	Moderate	14:24	12.6	Surface	1.0	0.4	143	29.2	29.2	8.0	8.0	17.3	17.3	88.9	88.9	6.2	5.8	7.0	10.6	6	9	75	76	825664	806930	<0.2	<0.2	1.8	1.6
						1.0	0.5	152	29.2		8.0		17.3		88.9		6.2		7.0		6		75				<0.2		1.9	
					Middle	6.3	0.4	161	28.2	28.2	8.0	8.0	21.7	21.7	77.6	77.6	5.4		11.6		9		76				<0.2		1.7	
						6.3	0.4	172	28.2		8.0		21.7		77.6		5.4		11.6		8		77				<0.2		1.6	
					Bottom	11.6	0.2	118	28.0	28.0	8.0	8.0	25.0	25.0	77.0	77.0	5.2	5.2	13.3		12		77				<0.2		1.2	
						11.6	0.3	127	28.0		8.0		25.0		77.0		5.2		13.3		11		78				<0.2		1.2	
C3	Cloudy	Moderate	12:27	12.1	Surface	1.0	0.4	211	28.1	28.1	8.1	8.1	25.3	25.3	97.5	97.5	6.6	6.4	3.0	3.2	4	6	77	78	822104	817808	<0.2	<0.2	0.9	0.9
						1.0	0.4	211	28.1		8.1		25.3		97.5		6.6		3.1		6		77				<0.2		1.0	
					Middle	6.1	0.4	247	27.8	27.8	8.0	8.0	27.0	27.0	91.0	90.9	6.2		3.2		6		78				<0.2		0.9	
						6.1	0.4	262	27.8		8.0		27.0		90.8		6.1		3.3		8		78				<0.2		0.9	
					Bottom	11.1	0.2	233	27.2	27.2	8.0	8.0	29.2	29.2	88.6	88.6	6.0	6.0	3.3		6		79				<0.2		0.9	
						11.1	0.2	235	27.2		8.0		29.2		88.6		6.0		3.3		8		80				<0.2		0.8	
IM1	Sunny	Moderate	13:11	7.6	Surface	1.0	0.2	183	29.2	29.2	8.0	8.0	17.8	17.8	89.8	89.6	6.2	6.0	8.2	10.3	5	10	76	77	818351	806446	<0.2	<0.2	1.4	1.4
						1.0	0.2	194	29.2		8.0		17.8		89.3		6.2		8.3		5		76				<0.2		1.6	
					Middle	3.8	0.3	167	28.4	28.4	8.0	8.0	20.4	20.9	83.0	83.0	5.8		11.2		9		76				<0.2		1.7	
						3.8	0.3	176	28.4		8.0		21.4		83.0		5.7		11.3		10		76				<0.2		1.4	
					Bottom	6.6	0.3	134	28.2	28.2	8.0	8.0	23.4	23.4	87.3	87.5	6.0	6.0	11.3		15		77				<0.2		1.1	
						6.6	0.3	138	28.2		8.0		23.4		87.6		6.0		11.3		13		79				<0.2		1.3	
IM2	Sunny	Moderate	13:16	8.8	Surface	1.0	0.3	187	29.4	29.4	8.0	8.0	18.2	18.2	96.8	96.6	6.7	6.3	7.1	10.5	10	12	74	75	818865	806177	<0.2	<0.2	1.4	1.3
						1.0	0.3	204	29.4		8.0		18.2		96.4		6.7		7.1		10		74				<0.2		1.3	
					Middle	4.4	0.2	188	28.6	28.6	8.0	8.0	21.6	21.6	84.0	84.0	5.8		11.3		13		75				<0.2		1.3	
						4.4	0.2	195	28.6		8.0		21.6		84.0		5.8		11.3		12		75				<0.2		1.3	
					Bottom	7.8	0.2	152	28.4	28.4	8.0	8.0	22.6	22.6	86.6	86.7	5.9	6.0	13.1		13		76				<0.2		1.4	
						7.8	0.2	158	28.4		8.0		22.6		86.8		6.0		13.2		14		76				<0.2		1.3	
IM3	Sunny	Moderate	13:25	8.3	Surface	1.0	0.2	223	28.9	28.9	8.0	8.0	18.3	18.4	89.3	89.1	6.2	6.1	10.2	12.3	9	10	76	77	819414	806001	<0.2	<0.2	1.3	1.2
						1.0	0.2	233	28.9		8.0		18.4		88.8		6.2		10.4		8		76				<0.2		1.3	
					Middle	4.2	0.3	203	28.4	28.4	8.0	8.0	20.7	20.7	84.6	84.6	5.9		13.7		8		77				<0.2		1.3	
						4.2	0.4	213	28.4		8.0		20.7		84.6		5.9		13.9		8		77				<0.2		1.3	
					Bottom	7.3	0.1	168	28.4	28.4	8.0	8.0	23.0	23.0	92.5	92.9	6.3	6.4	12.9		14		77				<0.2		1.0	
						7.3	0.1	179	28.4		8.0		23.0		93.3		6.4		12.8		13		77				<0.2		1.1	
IM4	Sunny	Moderate	13:32	8.1	Surface	1.0	0.3	181	29.8	29.8	8.0	8.0	16.4	16.4	93.3	93.2	6.5	6.2	11.1	12.9	8	9	74	75	819574	805019	<0.2	<0.2	1.4	1.3
						1.0	0.4	185	29.8		8.0		16.3		93.1		6.5		11.3		8		75				<0.2		1.5	
					Middle	4.1	0.3	178	29.2	29.6	8.0	8.0	19.2	19.1	84.9	84.3	5.9		17.6		7		75				<0.2		1.6	
						4.1	0.3	189	29.9		8.0		18.9		83.7		5.7		18.0		7		75				<0.2		1.6	
					Bottom	7.1	0.4	167	28.8	28.8	8.0	8.0	23.6	23.5	94.9	95.2	6.4	6.5	9.8		12		76				<0.2		0.8	
						7.1	0.4	181	28.8		8.0		23.3		95.5		6.5		9.4		11		76				<0.2		0.9	
IM5	Sunny	Moderate	13:39	7.8	Surface	1.0	0.3	182	30.5	30.5	8.0	8.0	14.9	14.9	90.3	90.2	6.2	6.1	8.6	9.7	6	12	75	76	820578	804921	<0.2	<0.2	1.5	1.3
						1.0	0.3	187	30.5		8.0		14.8		90.0		6.2		8.7		6		75				<0.2		1.6	
					Middle	3.9	0.3	171	28.9	29.0	7.9	7.9	21.6	21.7	86.4	86.4	5.9		10.6		6		75				<0.2		1.4	
						3.9	0.3	184	29.0		7.9		21.7		86.3		5.9		10.8		7		76				<0.2		1.5	
					Bottom	6.8	0.3	170	28.2	28.2	7.9	7.9	24.0	24.0	92.7	93.0	6.3	6.4	9.8		23		76				<0.2		0.8	
						6.8	0.3	176	28.2		7.9		23.9		93.3		6.4		9.8		24		76				<0.2		0.7	
IM6	Sunny	Moderate	13:48	7.4	Surface	1.0	0.3	168	30.3	30.3	8.0	8.0	15.2	15.0	90.8	90.6	6.3	6.0	12.2	16.1	4	9	74	75	821053	805823	<0.2	<0.2	2.0	1.4
						1.0	0.3	173	30.3		8.0		14.8		90.3		6.3		12.5		6		74				<0.2		1.9	
					Middle	3.7	0.3	134	28.8	28.8	8.0	8.0	18.3	18.3	80.4	80.1	5.6		14.1		8		75				<0.2		1.4	
						3.7	0.3	136	28.8		8.0		18.3		79.8		5.6		14.4		8		75				<0.2		1.3	
					Bottom	6.4	0.5	134	28.2	28.2	7.9	7.9	23.5	23.5	74.7	74.8	5.1	5.1	21.7		13		76				<0.2		0.9	
						6.4	0.5	137	28.2		7.9		23.5		74.8		5.1		21.5		13		76				<0.2		1.0	
IM7	Sunny	Moderate	13:55	8.6	Surface	1.0	0.2	135	29.5	29.5	8.0	8.0	18.1	17.8	95.4	95.4	6.6	6.5	6.9	8.7	5	8	75	76	821356	806831	<0.2	<0.2	1.4	1.1
						1.0	0.2	137	29.5		8.0		17.5		95.3		6.6		6.9		5		75				<0.2		1.4	
					Middle	4.3	0.2	113	29.2	29.2	8.0	8.0	19.1	19.1	91.5	91.4	6.3		8.1		5		76				<0.2		1.2	
						4.3	0.2	113	29.2		8.0		19.1		91.3		6.3		8.2		4		76				<0.2		1.2	
					Bottom	7.6	0.2	125	28.7	28.7	7.9	7.9	22.8	22.8	94.8	95.2	6.5	6.5	11.1		14		77				<0.2		0.8	
						7.6	0.3	131	28.7		7.9		22.8		95.5		6.5		11.0		16		77				<0.2		0.8	
IM8	Cloudy	Moderate	13:58	7.7	Surface	1.0	0.5	138	29.1	29.1	8.0	8.0	17.8	17.8	86.7	86.7	6.0	5.9	6.6	7.0	6	10	75	76	821683	807828	<0.2	<0.2	1.3	1.0
						1.0	0.5	147	29.1		8.0		17.8		86.7		6.0		6.6		6		75				<0.2		1.3	
					Middle	3.9	0.4	115	28.4	28.4	8.0	8.0	21.1	21.1	83.8	83.8	5.8		7.2		11		76				<0.2		1.0	
						3.9	0.4	115	28.4		8.0		21.1		83.8		5.8		7.2		10		76				<0.2		0.9	
					Bottom	6.7	0.4	107	28.3	28.3	8.0	8.0	22.5	22.5	87.4	87.4	6.0	6.0	7.2		12		77				<0.2		0.6	
						6.7	0.4	111	28.3		8.0		22.5		87.4		6.0		7.2		12		77				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 June 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	13:48	7.2	Surface	1.0	0.6	106	29.0	29.0	8.0	8.0	18.9	18.9	88.1	88.1	6.1	5.8	6.4	9.2	10	12	75	78	822091	808829	<0.2	<0.2	1.0	0.9
						1.0	0.7	107	29.0		8.0		18.9		88.1		6.1		6.4		10		76				<0.2		1.0	
					Middle	3.6	0.5	78	28.4	28.4	8.0	8.0	21.1	21.1	78.9	78.9	5.5		8.8		9		77				<0.2		0.9	
						3.6	0.5	78	28.4		8.0		21.1		78.8		5.5		8.8		10		78				<0.2		1.1	
					Bottom	6.2	0.3	61	28.2	28.2	8.0	8.0	23.3	23.3	78.1	78.1	5.4	5.4	12.3		16		79				<0.2		0.7	
						6.2	0.4	64	28.2		8.0		23.3		78.1		5.4		12.3		18		80				<0.2		0.8	
IM10	Cloudy	Moderate	13:37	7.9	Surface	1.0	0.7	86	28.9	28.9	8.1	8.1	18.4	18.4	90.7	90.6	6.3	6.2	6.6	9.2	7	9	76	78	822224	809845	<0.2	<0.2	1.6	1.4
						1.0	0.7	87	28.9		8.1		18.4		90.4		6.3		6.7		8		76				<0.2		1.6	
					Middle	4.0	0.5	89	28.7	28.7	8.1	8.1	20.4	20.4	86.2	86.2	6.0		8.2		8		78				<0.2		1.4	
						4.0	0.5	95	28.7		8.1		20.4		86.1		6.0		8.3		8		78				<0.2		1.3	
					Bottom	6.9	0.3	94	28.5	28.5	8.0	8.0	22.4	22.4	87.1	87.1	6.0	6.0	12.8		12		79				<0.2		1.3	
						6.9	0.3	99	28.5		8.0		22.4		87.1		6.0		12.8		13		79				<0.2		1.0	
IM11	Cloudy	Moderate	13:27	9.2	Surface	1.0	0.6	100	28.8	28.8	8.0	8.0	18.9	18.9	92.5	92.5	6.4	6.2	6.3	7.8	9	9	77	78	821517	810555	<0.2	<0.2	1.5	1.3
						1.0	0.6	108	28.8		8.0		18.9		92.5		6.4		6.3		9		77				<0.2		1.3	
					Middle	4.6	0.4	108	28.6	28.6	8.0	8.0	21.1	21.1	86.6	86.6	6.0		7.8		9		78				<0.2		1.2	
						4.6	0.5	109	28.6		8.0		21.1		86.6		6.0		7.8		7		78				<0.2		1.2	
					Bottom	8.2	0.1	76	28.5	28.5	8.0	8.0	22.3	22.3	89.5	89.5	6.1	6.1	9.3		12		79				<0.2		1.2	
						8.2	0.1	81	28.5		8.0		22.3		89.5		6.1		9.3		10		80				<0.2		1.1	
IM12	Cloudy	Moderate	13:19	9.7	Surface	1.0	0.6	95	29.2	29.2	8.0	8.0	19.2	19.2	89.5	89.5	6.2	6.1	7.7	10.2	9	11	78	79	821163	811519	<0.2	<0.2	1.1	1.1
						1.0	0.6	98	29.2		8.0		19.2		89.5		6.2		7.7		10		77				<0.2		1.1	
					Middle	4.9	0.6	74	28.7	28.7	8.0	8.0	20.8	20.8	86.0	86.0	5.9		9.6		8		78				<0.2		0.9	
						4.9	0.7	79	28.7		8.0		20.8		86.0		5.9		9.6		9		79				<0.2		1.1	
					Bottom	8.7	0.7	59	28.4	28.4	8.0	8.0	23.0	23.0	83.8	83.8	5.7	5.7	13.2		14		79				<0.2		1.1	
						8.7	0.7	63	28.4		8.0		23.0		83.8		5.7		13.2		14		80				<0.2		1.1	
SR2	Cloudy	Moderate	12:51	4.6	Surface	1.0	0.4	92	29.0	29.0	8.1	8.1	21.7	21.7	94.9	94.9	6.5	6.5	5.6	7.2	8	9	77	78	821475	814176	<0.2	<0.2	0.9	0.8
						1.0	0.5	100	29.0		8.1		21.7		94.9		6.5		5.6		6		78				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	24	28.2	28.2	8.0	8.0	24.2	24.2	88.6	88.6	6.0	6.0	8.7		11		79				<0.2		0.7	
						3.6	0.4	26	28.2		8.0		24.2		88.6		6.0		8.7		9		79				<0.2		0.8	
SR3	Cloudy	Moderate	14:03	9.7	Surface	1.0	0.5	154	28.8	28.8	8.0	8.0	18.3	18.3	82.4	82.4	5.8	5.8	9.3	9.8	6	9	-	-	822139	807580	-	-	-	-
						1.0	0.5	158	28.8		8.0		18.3		82.4		5.8		9.3		5		-				-		-	
					Middle	4.9	0.4	130	28.5	28.5	8.0	8.0	21.8	21.8	83.3	83.5	5.7		10.9		9		-				-		-	
						4.9	0.4	134	28.5		8.0		21.8		83.7		5.8		10.9		9		-				-		-	
					Bottom	8.7	0.4	88	28.7	28.7	8.0	8.0	21.7	21.7	90.2	90.2	6.2	6.2	9.2		12		-				-		-	
						8.7	0.4	92	28.7		8.0		21.7		90.2		6.2		9.2		12		-				-		-	
SR4A	Sunny	Moderate	12:41	8.8	Surface	1.0	0.5	67	29.1	29.1	8.1	8.1	17.9	17.9	96.1	95.9	6.7	6.4	10.9	15.2	10	14	-	-	817208	807817	-	-	-	-
						1.0	0.5	69	29.1		8.1		17.9		95.6		6.7		10.8		9		-				-		-	
					Middle	4.4	0.4	65	28.7	28.7	8.0	8.0	19.3	19.3	88.0	87.9	6.1		16.1		11		-				-		-	
						4.4	0.4	70	28.7		8.0		19.3		87.7		6.1		16.4		12		-				-		-	
					Bottom	7.8	0.3	65	28.6	28.6	8.0	8.0	21.0	21.0	89.3	89.4	6.2	6.2	18.4		21		-				-		-	
						7.8	0.3	69	28.6		8.0		21.0		89.4		6.2		18.4		20		-				-		-	
SR5A	Sunny	Calm	12:20	5.6	Surface	1.0	0.1	56	29.4	29.4	8.2	8.2	20.1	20.1	115.4	115.3	7.9	7.9	7.7	8.1	9	10	-	-	816594	810708	-	-	-	-
						1.0	0.1	57	29.4		8.2		20.1		115.2		7.9		7.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	97	29.3	29.3	8.1	8.1	20.1	20.1	113.4	113.4	7.8	7.8	8.4		10		-				-		-	
						4.6	0.1	103	29.3		8.1		20.1		113.3		7.8		8.4		10		-				-		-	
SR6	Sunny	Calm	11:55	4.8	Surface	1.0	0.1	100	29.4	29.4	8.0	8.0	19.5	19.5	104.0	104.0	7.1	7.1	11.2	13.4	15	16	-	-	817907	814665	-	-	-	-
						1.0	0.1	102	29.4		8.0		19.5		103.9		7.1		11.2		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	112	29.1	29.1	8.0	8.0	19.7	19.7	101.1	101.2	7.0	7.0	15.6		18		-				-		-	
						3.8	0.1	115	29.1		8.0		19.7		101.2		7.0		15.4		16		-				-		-	
SR7	Cloudy	Moderate	11:55	16.6	Surface	1.0	0.1	203	27.7	27.7	8.0	8.0	26.9	26.9	86.2	86.2	5.8	5.7	3.6	4.2	8	8	-	-	823641	823757	-	-	-	-
						1.0	0.1	211	27.7		8.0		26.9		86.2		5.8		3.6		7		-				-		-	
					Middle	8.3	0.2	240	27.2	27.2	8.0	8.0	28.5	28.6	81.8	81.8	5.5		4.6		9		-				-		-	
						8.3	0.2	247	27.2		8.0		28.6		81.8		5.5		4.8		8		-				-		-	
					Bottom	15.6	1.4	279	27.1	27.1	7.9	7.9	29.1	29.1	83.3	83.3	5.6	5.6	4.4		7		-				-		-	
						15.6	1.5	301	27.1		7.9		29.1		83.3		5.6		4.4		7		-				-		-	
SR8	Cloudy	Moderate	13:12	5.6	Surface	1.0	0.4	99	29.3	29.3	8.1	8.1	19.6	19.6	95.2	95.2	6.5	6.5	6.3	8.4	5	8	-	-	820417	811604	-	-	-	-
						1.0	0.5	101	29.3		8.1		19.6		95.2		6.5		6.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	71	28.6	28.6	8.0	8.0	22.7	22.7	93.4	93.4	6.4	6.4	10.4		10		-				-		-	
						4.6	0.1	72	28.6		8.0		22.7		93.4		6.4		10.4		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 15 June 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	Foggy	Moderate	09:07	8.8	Surface	1.0	0.6	43	28.4	28.4	7.9	7.9	15.6	15.6	90.7	90.7	6.5	6.1	5.6	7.0	6	7	74	76	815606	804233	<0.2	<0.2	1.5	1.6
						1.0	0.6	43	28.4		7.9		15.6		90.7		6.5		5.6		5		74				<0.2		1.6	
					Middle	4.4	0.4	29	28.3	28.3	7.9	7.9	16.8	16.8	80.4	79.7	5.7		6.7		6		75				<0.2		1.6	
						4.4	0.4	31	28.2		7.9		16.8		78.9		5.6		6.8		7		76				<0.2		1.7	
					Bottom	7.8	0.3	7	28.0	28.0	7.8	7.8	21.9	21.9	73.9	74.1	5.1	5.1	8.7		9		77				<0.2		1.6	
						7.8	0.3	7	28.0		7.8		21.9		74.2		5.1		8.7		7		77				<0.2		1.6	
C2	Cloudy	Moderate	10:15	12.9	Surface	1.0	0.4	21	28.8	28.8	7.8	7.8	15.2	15.2	81.8	81.8	5.8	5.4	5.7	7.4	8	7	73	75	825687	806962	<0.2	<0.2	1.9	2.0
						1.0	0.5	21	28.8		7.8		15.2		81.8		5.8		5.7		8		73				<0.2		2.0	
					Middle	6.5	0.2	34	28.1	28.1	7.8	7.8	19.3	19.3	71.4	71.4	5.0		7.4		7		75				<0.2		1.9	
						6.5	0.2	36	28.1		7.8		19.3		71.4		5.0		7.4		7		76				<0.2		2.0	
					Bottom	11.9	0.5	132	28.0	28.0	7.8	7.8	20.8	20.8	72.1	72.1	5.0	5.0	9.2		7		77				<0.2		2.0	
						11.9	0.6	139	28.0		7.8		20.8		72.1		5.0		9.2		7		78				<0.2		2.0	
C3	Cloudy	Moderate	08:37	11.8	Surface	1.0	0.6	299	28.4	28.4	7.8	7.8	16.1	16.1	78.5	78.5	5.6	5.3	6.7	11.1	7	7	75	76	822093	817789	<0.2	<0.2	2.0	2.0
						1.0	0.6	320	28.4		7.8		16.1		78.5		5.6		6.7		6		75				<0.2		2.0	
					Middle	5.9	0.5	277	27.9	27.9	7.8	7.8	19.2	19.2	71.0	71.0	5.0		10.0		8		76				<0.2		1.9	
						5.9	0.5	277	27.9		7.8		19.2		71.0		5.0		10.0		8		76				<0.2		2.0	
					Bottom	10.8	0.1	229	27.6	27.6	7.8	7.8	22.2	22.2	67.8	67.8	4.7	4.7	16.6		8		77				<0.2		2.1	
						10.8	0.1	248	27.6		7.8		22.2		67.8		4.7		16.6		7		77				<0.2		2.0	
IM1	Cloudy	Moderate	09:25	7.9	Surface	1.0	0.5	19	28.8	28.8	7.9	7.9	15.7	15.7	91.6	91.6	6.5	6.4	6.0	6.5	5	5	74	76	818366	806458	<0.2	<0.2	1.8	1.7
						1.0	0.5	20	28.8		7.9		15.7		91.6		6.5		5.9		4		74				<0.2		1.9	
					Middle	4.0	0.3	359	28.6	28.6	8.0	8.0	15.9	15.9	89.0	88.8	6.3		6.3		6		76				<0.2		1.6	
						4.0	0.3	359	28.6		8.0		15.9		88.5		6.3		6.4		6		76				<0.2		1.6	
					Bottom	6.9	0.4	344	28.2	28.3	7.9	7.9	17.3	17.3	87.8	88.0	6.2	6.2	7.1		5		78				<0.2		1.6	
						6.9	0.4	316	28.3		7.9		17.3		88.1		6.2		7.1		5		78				<0.2		1.6	
IM2	Cloudy	Moderate	09:30	8.9	Surface	1.0	0.6	29	28.9	28.9	7.9	7.9	15.6	15.6	91.0	91.0	6.4	6.3	6.4	6.9	6	6	74	76	818856	806187	<0.2	<0.2	1.6	1.6
						1.0	0.7	30	28.9		7.9		15.6		91.0		6.4		6.4		6		74				<0.2		1.6	
					Middle	4.5	0.4	12	28.5	28.5	7.9	7.9	15.9	16.0	85.7	85.7	6.1		6.7		4		76				<0.2		1.7	
						4.5	0.4	12	28.5		7.9		16.0		85.6		6.1		6.8		4		76				<0.2		1.5	
					Bottom	7.9	0.4	354	28.3	28.3	7.9	7.9	17.9	18.0	84.6	84.8	6.0	6.0	7.4		8		77				<0.2		1.6	
						7.9	0.4	326	28.3		7.9		18.0		84.9		6.0		7.4		10		78				<0.2		1.7	
IM3	Cloudy	Moderate	09:37	9.4	Surface	1.0	0.5	34	28.9	28.9	8.0	8.0	15.5	15.5	89.5	89.5	6.3	5.8	6.3	7.1	5	5	74	76	819399	806022	<0.2	<0.2	1.7	1.7
						1.0	0.6	34	28.9		8.0		15.5		89.4		6.3		6.3		6		73				<0.2		1.6	
					Middle	4.7	0.4	354	28.2	28.2	8.0	8.0	16.3	16.3	74.4	74.3	5.3		7.6		5		76				<0.2		1.7	
						4.7	0.5	326	28.1		7.9		16.3		74.2		5.3		7.7		6		76				<0.2		1.7	
					Bottom	8.4	0.3	29	28.1	28.1	7.9	7.9	23.2	23.5	81.3	81.6	5.6	5.6	7.5		5		78				<0.2		1.7	
						8.4	0.3	30	28.1		7.9		23.7		81.9		5.6		7.4		5		78				<0.2		1.6	
IM4	Cloudy	Moderate	09:52	8.6	Surface	1.0	0.7	36	28.9	28.9	7.9	7.9	14.1	14.1	86.7	86.7	6.2	5.5	6.2	9.4	6	6	74	76	819562	805027	<0.2	<0.2	1.7	1.7
						1.0	0.8	38	28.9		7.9		14.1		86.6		6.2		6.2		5		74				<0.2		1.7	
					Middle	4.3	0.4	348	28.2	28.2	7.9	7.9	18.5	18.5	67.2	66.9	4.7		9.0		7		76				<0.2		1.8	
						4.3	0.5	320	28.2		7.9		18.4		66.6		4.7		9.0		7		76				<0.2		1.7	
					Bottom	7.6	0.3	27	27.6	27.6	7.9	7.9	24.3	24.4	62.6	62.8	4.3	4.3	13.0		6		78				<0.2		1.5	
						7.6	0.3	27	27.6		7.9		24.5		62.9		4.3		13.1		6		78				<0.2		1.7	
IM5	Cloudy	Moderate	10:01	7.7	Surface	1.0	0.5	14	28.8	28.8	8.0	8.0	15.6	15.6	86.0	86.0	6.1	5.5	8.2	11.4	9	8	74	76	820550	804911	<0.2	<0.2	1.5	1.6
						1.0	0.6	14	28.8		8.0		15.6		86.0		6.1		8.2		8		74				<0.2		1.5	
					Middle	3.9	0.5	345	28.5	28.5	8.0	8.0	16.8	16.8	69.8	69.6	4.9		12.3		8		76				<0.2		1.7	
						3.9	0.6	317	28.4		8.0		16.7		69.4		4.9		12.5		8		76				<0.2		1.5	
					Bottom	6.7	0.4	350	27.9	28.0	7.9	7.9	24.8	24.9	69.2	69.4	4.7	4.8	13.8		8		78				<0.2		1.8	
						6.7	0.4	322	28.0		7.9		24.9		69.6		4.8		13.5		9		78				<0.2		1.6	
IM6	Cloudy	Moderate	10:08	7.9	Surface	1.0	0.4	29	28.9	28.9	8.0	8.0	15.5	15.5	85.8	85.7	6.1	5.5	8.0	8.5	8	9	74	76	821059	805837	<0.2	<0.2	1.5	1.6
						1.0	0.4	29	28.9		8.0		15.5		85.6		6.1		8.0		6		74				<0.2		1.4	
					Middle	4.0	0.3	9	28.2	28.2	8.0	8.0	18.5	18.5	69.6	69.3	4.9		8.4		8		75				<0.2		1.7	
						4.0	0.3	9	28.1		8.0		18.4		69.0		4.9		8.4		9		76				<0.2		1.6	
					Bottom	6.9	0.2	36	28.1	28.1	7.9	7.9	25.5	25.4	80.9	81.3	5.5	5.5	9.1		9		78				<0.2		1.5	
						6.9	0.2	39	28.1		7.9		25.3		81.7		5.5		9.1		11		78				<0.2		1.6	
IM7	Cloudy	Moderate	10:17	8.8	Surface	1.0	0.5	18	28.8	28.8	8.0	8.0	15.8	15.8	86.3	86.3	6.1	5.8	6.4	10.2	8	9	74	76	821334	806852	<0.2	<0.2	1.4	1.5
						1.0	0.5	18	28.8		8.0		15.8		86.3		6.1		6.4		8		74				<0.2		1.4	
					Middle	4.4	0.4	32	28.4	28.4	8.0	8.0	17.4	17.4	78.8	78.7	5.6		8.7		9		76				<0.2		1.5	
						4.4	0.5	33	28.4		8.0		17.4		78.6		5.5		8.8		8		76				<0.2		1.5	
					Bottom	7.8	0.4	32	28.0	28.0	7.9	7.9	22.6	22.6	69.2	69.3	4.8	4.8	15.6		9		78				<0.2		1.4	
						7.8	0.4	33	28.0		7.9		22.6		69.3		4.8		15.4		9		78				<0.2		1.6	
IM8	Cloudy	Moderate	09:52	8.2	Surface	1.0	0.2	48	28.7	28.7	7.8	7.8	15.8	15.8	81.6	81.6	5.8	5.7	7.7	9.3	6	7	75	76	821708	807857	<0.2	<0.2	1.8	1.9
						1.0	0.2	51	28.7		7.8		15.8		81.6		5.8		7.7		6		74				<0.2		2.0	
					Middle	4.1	0.2	16	28.4	28.4	7.8	7.8	16.3	16.3	77.3	77.3	5.5		10.0		7		76				<0.2		2.0	
						4.1	0.2	16	28.4		7.8		16.3		77.3		5.5		10.0		6		75				<0.2		2.0	
					Bottom	7.2	0.2	44	28.2	28.2	7.8	7.8	19.4	19.4	83.0	83.0	5.8	5.8	10.2		8		77				<0.2		1.7	
						7.2	0.2	44	28.2		7.8		19.4		83.0		5.8		10.2		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 15 June 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	09:40	7.8	Surface	1.0	0.3	33	28.6	28.6	7.8	7.8	15.7	15.7	80.2	80.2	5.7	5.6	6.6	9.9	8	7	73	75	822106	808808	<0.2	<0.2	2.0	2.0
						1.0	0.3	33	28.6		7.8		15.7		80.2		5.7		6.6		6		74				<0.2		1.9	
					Middle	3.9	0.2	40	28.4	28.4	7.9	7.9	16.4	16.4	76.6	76.6	5.4		9.8		6		75				<0.2		1.9	
						3.9	0.2	43	28.4		7.9		16.4		76.6		5.4		9.8		8		75				<0.2		2.2	
					Bottom	6.8	0.2	288	28.1	28.1	7.8	7.8	19.6	19.6	77.1	77.1	5.4	5.4	13.2		7		76				<0.2		2.2	
						6.8	0.2	300	28.1		7.8		19.6		77.1		5.4		13.2		7		77				<0.2		2.0	
IM10	Cloudy	Moderate	09:27	7.6	Surface	1.0	0.2	16	28.5	28.5	7.8	7.8	15.9	15.9	77.4	77.3	5.5	5.3	6.6	7.9	6	5	74	75	822251	809843	<0.2	<0.2	2.0	2.0
						1.0	0.2	17	28.5		7.8		15.9		77.1		5.5		6.6		5		73				<0.2		2.1	
					Middle	3.8	0.2	20	27.9	27.9	7.8	7.8	18.7	18.7	72.6	72.6	5.1		8.1		5		75				<0.2		1.9	
						3.8	0.2	20	27.9		7.8		18.6		72.5		5.1		8.2		4		75				<0.2		2.0	
					Bottom	6.6	0.2	310	27.7	27.7	7.8	7.8	23.4	23.4	77.5	77.5	5.4	5.4	8.8		5		76				<0.2		2.1	
						6.6	0.2	321	27.7		7.8		23.4		77.5		5.4		8.8		7		77				<0.2		1.9	
IM11	Cloudy	Moderate	09:16	8.7	Surface	1.0	0.6	304	28.3	28.3	7.8	7.8	16.0	16.0	77.0	77.0	5.5	5.5	7.1	7.5	6	7	75	76	821511	810525	<0.2	<0.2	2.3	2.1
						1.0	0.6	320	28.3		7.8		16.0		77.0		5.5		7.1		8		75				<0.2		2.1	
					Middle	4.4	0.5	279	27.9	27.9	7.8	7.8	18.5	18.5	76.2	76.2	5.4		7.3		6		76				<0.2		2.1	
						4.4	0.5	306	27.9		7.8		18.5		76.2		5.4		7.3		7		76				<0.2		1.9	
					Bottom	7.7	0.1	275	28.0	28.0	7.8	7.8	21.7	21.7	85.6	85.6	5.9	5.9	8.2		6		77				<0.2		2.2	
						7.7	0.1	279	28.0		7.8		21.7		85.6		5.9		8.2		8		77				<0.2		2.0	
IM12	Cloudy	Moderate	09:12	9.3	Surface	1.0	0.5	305	28.4	28.4	7.8	7.8	16.1	16.1	79.1	79.0	5.6	5.3	6.5	7.4	7	7	75	76	821162	811517	<0.2	<0.2	2.0	1.9
						1.0	0.5	320	28.4		7.8		16.1		78.9		5.6		6.5		6		75				<0.2		1.9	
					Middle	4.7	0.5	284	27.8	27.8	7.8	7.8	19.4	19.4	70.4	70.4	5.0		7.2		7		76				<0.2		1.9	
						4.7	0.5	311	27.8		7.8		19.4		70.4		5.0		7.2		6		76				<0.2		1.8	
					Bottom	8.3	0.2	292	27.7	27.7	7.8	7.8	23.1	23.1	73.3	73.3	5.1	5.1	8.6		7		77				<0.2		1.8	
						8.3	0.2	307	27.7		7.8		23.1		73.3		5.1		8.6		7		77				<0.2		2.0	
SR2	Cloudy	Moderate	08:42	4.5	Surface	1.0	0.5	303	28.4	28.4	7.8	7.8	16.1	16.1	81.3	81.3	5.8	5.8	6.3	6.5	6	6	75	76	821472	814166	<0.2	<0.2	1.8	2.0
						1.0	0.6	330	28.4		7.8		16.1		81.3		5.8		6.3		6		75				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	288	28.0	28.0	7.8	7.8	18.9	18.9	80.7	80.7	5.7	5.7	6.7		7		76				<0.2		1.9	
						3.5	0.2	296	28.0		7.8		18.9		80.7		5.7		6.7		6		77				<0.2		2.1	
SR3	Cloudy	Moderate	09:56	9.6	Surface	1.0	0.3	28	28.6	28.6	7.8	7.8	15.6	15.6	82.7	82.7	5.9	5.7	7.0	9.6	6	6	-	-	822152	807590	-	-	-	-
						1.0	0.3	30	28.6		7.8		15.6		82.7		5.9		7.0		6		-				-		-	
					Middle	4.8	0.3	29	28.6	28.6	7.9	7.9	16.3	16.3	77.0	77.0	5.5		9.2		7		-				-		-	
						4.8	0.4	30	28.6		7.9		16.3		77.0		5.5		9.2		6		-				-		-	
					Bottom	8.6	0.2	55	27.9	27.9	7.8	7.8	21.2	21.2	68.9	68.9	4.8	4.8	12.7		5		-				-		-	
						8.6	0.3	57	27.9		7.8		21.2		68.9		4.8		12.7		6		-				-		-	
SR4A	Foggy	Moderate	08:45	10.1	Surface	1.0	0.2	224	28.3	28.3	7.9	7.9	16.6	16.6	83.9	83.9	6.0	5.3	8.0	11.3	7	7	-	-	817185	807806	-	-	-	-
						1.0	0.2	244	28.3		7.9		16.6		83.8		6.0		8.0		7		-				-		-	
					Middle	5.1	0.3	253	28.1	28.1	7.8	7.8	18.3	18.3	66.0	65.9	4.7		11.5		6		-				-		-	
						5.1	0.3	261	28.1		7.8		18.3		65.7		4.6		11.5		6		-				-		-	
					Bottom	9.1	0.2	252	27.7	27.7	7.8	7.8	24.5	24.5	57.7	57.7	4.0	4.0	14.1		10		-				-		-	
						9.1	0.2	269	27.7		7.8		24.5		57.7		4.0		14.4		8		-				-		-	
SR5A	Foggy	Moderate	08:28	5.4	Surface	1.0	0.2	332	28.3	28.3	7.8	7.8	17.6	17.6	78.5	78.5	5.5	5.5	10.3	12.6	9	10	-	-	816588	810712	-	-	-	-
						1.0	0.2	305	28.3		7.8		17.6		78.5		5.5		10.3		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	306	28.2	28.2	7.8	7.8	18.4	18.4	74.4	74.4	5.2	5.3	14.9		10		-				-		-	
						4.4	0.2	320	28.2		7.8		18.4		74.4		5.3		14.9		10		-				-		-	
SR6	Foggy	Moderate	08:01	4.5	Surface	1.0	0.2	276	28.3	28.3	7.8	7.8	16.8	16.8	78.9	78.9	5.6	5.6	11.8	13.5	7	7	-	-	817902	814665	-	-	-	-
						1.0	0.2	283	28.3		7.8		16.8		78.9		5.6		11.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	269	28.3	28.3	7.7	7.7	17.9	17.9	76.4	76.4	5.4	5.4	15.1		7		-				-		-	
						3.5	0.0	280	28.3		7.7		17.9		76.4		5.4		15.2		6		-				-		-	
SR7	Cloudy	Moderate	08:16	16.2	Surface	1.0	0.6	296	28.3	28.3	7.8	7.8	16.4	16.4	79.4	79.4	5.7	5.3	6.5	9.8	4	4	-	-	823618	823735	-	-	-	-
						1.0	0.6	304	28.3		7.8		16.4		79.4		5.7		6.5		3		-				-		-	
					Middle	8.1	0.5	273	27.7	27.7	7.8	7.8	20.1	20.1	70.3	70.3	4.9		11.2		4		-				-		-	
						8.1	0.6	298	27.7		7.8		20.1		70.3		4.9		11.2		4		-				-		-	
					Bottom	15.2	0.1	270	27.6	27.6	7.8	7.8	23.4	23.4	74.6	74.6	5.2	5.2	11.6		3		-				-		-	
						15.2	0.1	281	27.6		7.8		23.4		74.6		5.2		11.6		3		-				-		-	
SR8	Cloudy	Moderate	08:47	5.1	Surface	1.0	0.4	307	28.4	28.4	7.8	7.8	16.0	16.0	83.4	83.4	5.9	5.9	6.3	6.6	4	6	-	-	820408	811576	-	-	-	-
						1.0	0.5	329	28.4		7.8		16.0		83.4		5.9		6.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	282	28.1	28.1	7.8	7.8	18.3	18.3	91.5	91.5	6.5	6.5	6.8		6		-				-		-	
						4.1	0.2	282	28.1		7.8		18.3		91.5		6.5		6.8		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 June 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	16:17	8.5	Surface	1.0	0.4	205	29.7	29.7	8.0	8.0	16.3	16.3	97.3	97.3	6.8	6.7	5.1	9.5	5	6	73	75	815636	804247	<0.2	<0.2	1.5	1.4
						1.0	0.4	209	29.7		8.0		16.3		97.3		6.8		5.1		5		73				<0.2		1.4	
					Middle	4.3	0.3	207	29.5	29.5	8.0	8.0	16.5	16.5	93.0	92.9	6.5		7.5		5		75				<0.2		1.4	
						4.3	0.3	223	29.5		8.0		16.5		92.7		6.5		7.6		6		75				<0.2		1.3	
					Bottom	7.5	0.4	230	28.5	28.5	7.8	7.8	26.1	26.1	75.3	75.7	5.1	5.1	15.6		6		77				<0.2		1.5	
						7.5	0.5	249	28.5		7.8		26.0		76.1		5.1		15.8		7		77				<0.2		1.5	
C2	Cloudy	Rough	15:07	12.3	Surface	1.0	0.2	164	28.8	28.8	7.8	7.8	16.2	16.2	82.6	82.6	5.8	5.3	6.3	7.0	7	7	73	75	825687	806945	<0.2	<0.2	1.8	1.9
						1.0	0.2	174	28.8		7.8		16.2		82.6		5.8		6.3		6		73				<0.2		1.8	
					Middle	6.2	0.2	190	28.0	28.0	7.7	7.7	19.7	19.7	66.5	66.5	4.7		6.8		6		75				<0.2		2.0	
						6.2	0.2	192	28.0		7.7		19.7		66.5		4.7		6.8		7		75				<0.2		2.0	
					Bottom	11.3	0.2	234	27.5	27.5	7.7	7.7	26.9	26.9	75.4	75.4	5.1	5.1	7.9		8		77				<0.2		2.0	
						11.3	0.2	250	27.5		7.7		26.9		75.4		5.1		7.9		7		77				<0.2		1.9	
C3	Cloudy	Moderate	16:53	13.1	Surface	1.0	0.1	91	28.2	28.2	7.8	7.8	19.5	19.5	78.0	78.0	5.5	5.2	6.9	9.9	8	9	76	77	822099	817805	<0.2	<0.2	1.6	1.5
						1.0	0.1	98	28.2		7.8		19.5		78.0		5.5		6.9		8		75				<0.2		1.4	
					Middle	6.6	0.2	346	28.0	28.0	7.8	7.8	20.0	20.0	68.9	68.9	4.8		9.1		10		76				<0.2		1.5	
						6.6	0.2	318	28.0		7.8		20.0		68.9		4.8		9.1		8		77				<0.2		1.4	
					Bottom	12.1	0.2	112	27.1	27.1	7.8	7.8	25.4	25.4	67.7	67.7	4.7	4.7	13.8		9		77				<0.2		1.5	
						12.1	0.3	119	27.1		7.8		25.4		67.7		4.7		13.8		9		78				<0.2		1.3	
IM1	Cloudy	Moderate	15:51	7.1	Surface	1.0	0.3	173	29.6	29.6	8.0	8.0	16.1	16.1	96.4	96.2	6.7	6.0	4.6	6.7	5	6	73	75	818355	806472	<0.2	<0.2	1.3	1.4
						1.0	0.3	174	29.6		8.0		16.1		95.9		6.7		4.6		5		73				<0.2		1.4	
					Middle	3.6	0.3	191	29.1	29.1	7.9	7.9	17.3	17.3	76.5	76.3	5.3		7.5		6		76				<0.2		1.5	
						3.6	0.3	194	29.1		7.9		17.2		76.0		5.3		7.6		6		75				<0.2		1.6	
					Bottom	6.1	0.2	167	28.6	28.6	7.8	7.9	25.0	25.0	84.9	85.5	5.7	5.8	8.1		8		76				<0.2		1.3	
						6.1	0.2	177	28.5		7.9		25.0		86.0		5.8		7.7		8		77				<0.2		1.3	
IM2	Cloudy	Moderate	15:41	8.9	Surface	1.0	0.1	125	29.4	29.4	8.0	8.0	16.1	16.1	96.9	96.9	6.8	5.8	6.3	8.1	6	7	73	75	818853	806210	<0.2	<0.2	1.4	1.7
						1.0	0.1	135	29.4		8.0		16.1		96.9		6.8		6.4		6		74				<0.2		1.6	
					Middle	4.5	0.2	173	28.9	28.9	7.9	7.9	20.0	20.0	67.9	67.9	4.7		8.6		6		75				<0.2		1.8	
						4.5	0.2	182	28.9		7.9		20.0		67.8		4.7		8.6		5		75				<0.2		2.0	
					Bottom	7.9	0.2	185	28.4	28.4	7.8	7.8	24.5	24.5	72.5	72.8	4.9	5.0	9.5		10		77				<0.2		1.7	
						7.9	0.2	191	28.4		7.8		24.4		73.1		5.0		9.4		8		77				<0.2		1.7	
IM3	Cloudy	Moderate	15:34	8.6	Surface	1.0	0.2	159	29.7	29.7	8.0	8.0	15.3	15.3	96.6	96.5	6.8	5.9	5.2	8.4	4	5	74	75	819408	806024	<0.2	<0.2	1.8	1.7
						1.0	0.2	168	29.7		8.0		15.3		96.3		6.7		5.3		5		73				<0.2		1.6	
					Middle	4.3	0.3	203	29.1	29.1	7.9	7.9	17.3	17.3	70.9	70.7	5.0		8.9		4		75				<0.2		1.7	
						4.3	0.3	214	29.1		7.9		17.3		70.4		4.9		8.9		4		76				<0.2		1.5	
					Bottom	7.6	0.2	221	27.9	27.9	7.8	7.8	22.9	23.2	70.7	71.9	4.9	5.0	11.0		5		77				<0.2		1.6	
						7.6	0.2	238	27.9		7.8		23.5		73.1		5.0		11.1		6		77				<0.2		1.7	
IM4	Cloudy	Moderate	15:26	8.2	Surface	1.0	0.1	39	29.0	29.0	8.0	8.0	15.1	15.1	92.8	92.3	6.6	5.7	6.2	10.5	5	7	74	75	819576	805037	<0.2	<0.2	1.6	1.5
						1.0	0.1	41	29.0		8.0		15.1		91.8		6.5		6.4		5		73				<0.2		1.6	
					Middle	4.1	0.1	126	28.2	28.2	8.0	8.0	19.0	19.0	68.4	67.5	4.8		10.3		5		75				<0.2		1.7	
						4.1	0.1	133	28.2		8.0		18.9		66.6		4.7		10.2		6		75				<0.2		1.5	
					Bottom	7.2	0.2	177	27.8	27.8	7.9	7.9	25.0	25.0	65.6	65.8	4.5	4.5	14.9		9		77				<0.2		1.3	
						7.2	0.2	178	27.8		7.9		25.0		65.9		4.5		15.1		10		77				<0.2		1.5	
IM5	Cloudy	Moderate	15:14	7.5	Surface	1.0	0.1	190	29.0	29.0	8.0	8.0	14.2	14.2	92.9	92.8	6.6	6.0	5.9	7.9	6	7	73	75	820568	804922	<0.2	<0.2	1.8	1.9
						1.0	0.1	193	29.0		8.0		14.2		92.7		6.6		5.9		6		73				<0.2		2.0	
					Middle	3.8	0.2	179	28.4	28.4	7.9	7.9	17.2	17.0	77.9	77.4	5.5		7.7		7		76				<0.2		1.8	
						3.8	0.2	189	28.4		7.9		16.8		76.9		5.4		8.1		8		75				<0.2		1.9	
					Bottom	6.5	0.1	202	28.1	28.1	7.9	7.9	23.8	23.8	76.4	76.7	5.2	5.3	10.2		6		76				<0.2		1.9	
						6.5	0.1	220	28.1		7.9		23.8		76.9		5.3		9.8		7		77				<0.2		1.8	
IM6	Cloudy	Moderate	15:08	7.4	Surface	1.0	0.3	62	29.1	29.1	8.0	8.0	14.1	14.1	95.5	95.5	6.8	5.9	5.9	7.6	6	6	73	75	821063	805826	<0.2	<0.2	1.8	1.8
						1.0	0.4	62	29.1		8.0		14.1		95.5		6.8		5.9		5		73				<0.2		1.7	
					Middle	3.7	0.2	102	28.3	28.3	7.9	7.9	16.3	16.3	70.2	70.2	5.0		8.3		6		76				<0.2		1.9	
						3.7	0.2	103	28.3		7.9		16.3		70.2		5.0		8.4		6		75				<0.2		1.8	
					Bottom	6.4	0.2	149	28.0	28.1	7.9	7.9	23.3	23.2	70.2	70.3	4.8	4.8	8.7		7		77				<0.2		1.8	
						6.4	0.2	155	28.1		7.9		23.0		70.3		4.8		8.5		8		77				<0.2		1.8	
IM7	Cloudy	Moderate	14:55	8.8	Surface	1.0	0.3	71	29.0	29.0	8.0	8.0	14.7	14.7	92.1	92.1	6.5	5.9	6.4	8.8	6	8	73	75	821356	806827	<0.2	<0.2	1.8	1.7
						1.0	0.3	76	29.0		8.0		14.7		92.0		6.5		6.5		6		73				<0.2		1.7	
					Middle	4.4	0.3	103	28.4	28.4	7.9	7.9	17.7	17.7	74.1	74.1	5.2		9.4		8		75				<0.2		1.8	
						4.4	0.3	103	28.4		7.9		17.7		74.0		5.2		9.5		7		75				<0.2		1.6	
					Bottom	7.8	0.2	128	28.2	28.3	7.8	7.8	19.5	19.5	75.9	76.1	5.3	5.3	10.6		9		76				<0.2		1.6	
						7.8	0.2	128	28.3		7.8		19.4		76.3		5.3		10.6		10		77				<0.2		1.5	
IM8	Cloudy	Rough	15:37	8.4	Surface	1.0	0.4	108	28.9	28.9	7.9	7.9	15.3	15.3	92.4	92.4	6.6	6.0	6.8	7.7	5	7	73	75	821710	807836	<0.2	<0.2	1.7	1.7
						1.0	0.4	111	28.9		7.9		15.3		92.4		6.6		6.8		4		74				<0.2		1.6	
					Middle	4.2	0.3	159	28.4	28.4	7.8	7.8	16.7	16.7	74.9	74.9	5.3		7.8		8		75				<0.2		1.7	
						4.2	0.3	170	28.4		7.8		16.7		74.9		5.3		7.8		7		75				<0.2		1.6	
					Bottom	7.4	0.1	55	28.1	28.1	7.8	7.8	21.1	21.1	80.5	80.5	5.6	5.6	8.4		9		76				<0.2		1.9	
						7.4	0.1	55	28.1		7.8		21.1		80.5		5.6		8.4		8		77				<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 15 June 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	Rough	15:45	7.6	Surface	1.0	0.4	124	28.6	28.6	7.8	7.8	16.2	16.2	76.8	76.8	5.4	5.3	6.1	7.6	7	7	74	76	822080	808804	<0.2	<0.2	2.2	2.0
						1.0	0.4	132	28.6		7.8		16.2		76.8		5.4		6.1		6		75				<0.2		2.2	
					Middle	3.8	0.3	142	28.3	28.3	7.8	7.8	16.8	16.8	72.3	72.3	5.1		7.6		7		75				<0.2		2.1	
						3.8	0.3	151	28.3		7.8		16.8		72.3		5.1		7.6		7		76				<0.2		1.8	
					Bottom	6.6	0.2	127	28.1	28.1	7.8	7.8	19.5	19.5	72.8	72.8	5.1	5.1	9.1		8		78				<0.2		1.8	
						6.6	0.2	131	28.1		7.8		19.5		72.8		5.1		9.1		9		77				<0.2		2.0	
IM10	Cloudy	Rough	15:52	7.6	Surface	1.0	0.5	98	28.8	28.8	7.9	7.9	16.2	16.2	82.7	82.7	5.8	5.7	6.3	9.2	6	8	75	76	822239	809838	<0.2	<0.2	1.8	1.9
						1.0	0.5	103	28.8		7.9		16.2		82.7		5.8		6.3		6		74				<0.2		2.0	
					Middle	3.8	0.4	115	28.6	28.6	7.8	7.8	16.5	16.5	77.7	77.6	5.5		8.6		8		76				<0.2		2.0	
						3.8	0.5	126	28.6		7.8		16.4		77.5		5.5		8.8		9		76				<0.2		2.0	
					Bottom	6.6	0.3	97	28.0	28.0	7.8	7.8	20.3	20.3	73.8	73.8	5.2	5.2	12.5		7		77				<0.2		1.8	
						6.6	0.3	104	28.0		7.8		20.3		73.8		5.2		12.5		9		78				<0.2		2.0	
IM11	Cloudy	Rough	16:02	8.8	Surface	1.0	0.6	96	28.8	28.8	7.9	7.9	16.5	16.5	86.0	86.0	6.1	6.0	7.8	10.3	8	8	75	77	821494	810528	<0.2	<0.2	2.0	1.7
						1.0	0.6	97	28.8		7.9		16.5		86.0		6.1		7.8		8		76				<0.2		1.8	
					Middle	4.4	0.5	90	28.6	28.6	7.9	7.9	16.7	16.7	81.4	81.4	5.8		10.7		7		76				<0.2		1.5	
						4.4	0.6	98	28.6		7.9		16.7		81.4		5.8		10.7		7		77				<0.2		1.6	
					Bottom	7.8	0.3	111	28.0	28.0	7.9	7.9	20.0	20.0	73.1	73.1	5.1	5.1	12.4		9		78				<0.2		1.6	
						7.8	0.3	112	28.0		7.9		20.0		73.1		5.1		12.4		8		77				<0.2		1.6	
IM12	Cloudy	Moderate	16:07	8.3	Surface	1.0	0.6	91	28.7	28.7	8.0	8.0	17.1	17.1	94.2	94.2	6.6	6.6	6.5	7.2	8	8	74	76	821160	811519	<0.2	<0.2	1.4	1.4
						1.0	0.6	97	28.7		8.0		17.1		94.2		6.6		6.5		7		75				<0.2		1.5	
					Middle	4.2	0.5	97	28.6	28.6	8.0	8.0	17.1	17.1	91.9	91.9	6.5		6.6		8		75				<0.2		1.4	
						4.2	0.5	106	28.6		8.0		17.1		91.9		6.5		6.6		7		76				<0.2		1.2	
					Bottom	7.3	0.4	84	28.3	28.3	8.0	8.0	18.3	18.3	85.1	85.1	6.0	6.0	8.5		9		77				<0.2		1.4	
						7.3	0.4	88	28.3		8.0		18.3		85.1		6.0		8.5		9		77				<0.2		1.4	
SR2	Cloudy	Moderate	16:31	4.8	Surface	1.0	0.6	89	28.7	28.7	7.9	7.9	16.9	16.9	87.5	87.5	6.2	6.2	6.2	7.8	7	7	76	77	821482	814151	<0.2	<0.2	1.5	1.6
						1.0	0.7	89	28.7		7.9		16.9		87.5		6.2		6.2		7		75				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	94	28.2	28.2	7.9	7.9	18.2	18.2	84.6	84.7	6.0	6.0	9.4		8		77				<0.2		1.6	
						3.8	0.3	99	28.2		7.9		18.2		84.7		6.0		9.4		6		78				<0.2		1.8	
SR3	Cloudy	Rough	15:30	9.4	Surface	1.0	0.3	82	28.8	28.8	7.8	7.8	15.9	15.9	84.1	84.1	5.9	5.5	6.7	8.3	9	8	-	-	822136	807581	-	-	-	-
						1.0	0.3	84	28.8		7.8		15.9		84.1		5.9		6.7		8		-				-		-	
					Middle	4.7	0.2	152	28.2	28.2	7.8	7.8	17.1	17.1	70.7	70.7	5.0		8.9		9		-				-		-	
						4.7	0.2	152	28.2		7.8		17.1		70.7		5.0		8.9		7		-				-		-	
					Bottom	8.4	0.1	41	28.0	28.0	7.8	7.8	23.0	23.0	74.8	74.8	5.2	5.2	9.4		7		-				-		-	
						8.4	0.1	45	28.0		7.8		23.0		74.8		5.2		9.4		8		-				-		-	
SR4A	Cloudy	Moderate	16:40	8.8	Surface	1.0	0.2	66	28.8	28.8	8.1	8.1	16.4	16.4	92.9	92.7	6.5	5.7	6.3	10.0	8	11	-	-	817194	807822	-	-	-	-
						1.0	0.2	68	28.8		8.1		16.4		92.5		6.5		6.3		8		-				-		-	
					Middle	4.4	0.1	67	28.2	28.2	8.0	8.0	19.8	19.8	69.5	69.4	4.9		10.6		8		-				-		-	
						4.4	0.1	71	28.2		8.0		19.8		69.3		4.8		10.4		10		-				-		-	
					Bottom	7.8	0.1	78	27.8	27.8	7.9	7.9	24.2	24.3	62.3	63.2	4.3	4.4	13.2		16		-				-		-	
						7.8	0.1	79	27.8		7.9		24.3		64.1		4.4		13.3		15		-				-		-	
SR5A	Cloudy	Moderate	16:58	5.0	Surface	1.0	0.1	41	28.2	29.8	7.9	7.9	17.6	17.1	91.2	89.1	6.5	6.2	10.2	10.5	9	12	-	-	816600	810714	-	-	-	-
						1.0	0.1	42	31.4		7.9		16.5		87.0		5.9		10.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	50	28.8	28.8	8.0	8.0	17.5	17.5	89.9	90.0	6.3	6.3	10.6		15		-				-		-	
						4.0	0.1	54	28.8		8.0		17.5		90.0		6.3		10.5		14		-				-		-	
SR6	Cloudy	Moderate	17:20	4.2	Surface	1.0	0.2	353	28.8	29.8	7.9	7.9	16.8	16.5	90.7	89.0	6.4	6.2	8.0	10.5	6	9	-	-	817891	814659	-	-	-	-
						1.0	0.2	325	30.7		7.9		16.2		87.2		6.0		8.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	71	28.5	28.5	7.9	7.9	17.5	17.5	88.8	89.0	6.3	6.3	12.8		12		-				-		-	
						3.2	0.1	74	28.5		7.9		17.5		89.2		6.3		12.6		10		-				-		-	
SR7	Cloudy	Moderate	17:24	16.8	Surface	1.0	0.6	84	28.5	28.5	7.8	7.8	17.3	17.3	83.0	83.0	5.8	5.8	5.1	5.0	7	7	-	-	823623	823752	-	-	-	-
						1.0	0.6	90	28.5		7.8		17.3		83.0		5.8		5.1		6		-				-		-	
					Middle	8.4	0.1	38	28.4	28.4	7.8	7.8	18.1	18.1	81.1	81.1	5.7		4.9		6		-				-		-	
						8.4	0.1	40	28.4		7.8		18.1		81.1		5.7		4.9		5		-				-		-	
					Bottom	15.8	0.2	135	28.3	28.3	7.8	7.8	18.6	18.6	81.8	81.8	5.8	5.8	5.1		9		-				-		-	
						15.8	0.2	144	28.3		7.8		18.6		81.8		5.8		5.1		7		-				-		-	
SR8	Cloudy	Moderate	16:19	4.8	Surface	1.0	0.4	95	28.6	28.6	7.9	7.9	17.6	17.6	86.3	86.3	6.1	6.1	7.6	7.8	8	10	-	-	820426	811584	-	-	-	-
						1.0	0.4	95	28.6		7.9		17.6		86.3		6.1		7.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	129	28.5	28.5	7.9	7.9	18.2	18.2	85.1	85.1	6.0	6.0	7.9		12		-				-		-	
						3.8	0.1	141	28.5		7.9		18.2		85.1		6.0		7.9		10		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 June 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	11:21	8.8	Surface	1.0	0.2	53	29.1	29.1	7.9	7.9	12.0	12.0	79.3	79.2	5.7	5.3	7.4	8.9	4	5	71	74	815603	804229	<0.2	<0.2	1.7	1.8
						1.0	0.2	56	29.1		7.9		12.0		79.0		5.7		7.4		5		71				<0.2		1.8	
					Middle	4.4	0.3	47	28.8	28.8	7.9	7.9	16.1	16.1	67.6	67.6	4.8		8.2		4		74				<0.2		1.9	
						4.4	0.3	47	28.8		7.9		16.1		67.6		4.8		8.2		5		73				<0.2		1.9	
					Bottom	7.8	0.4	43	27.3	27.3	7.8	7.8	28.7	28.7	63.6	63.6	4.3	4.3	11.2		6		77				<0.2		1.8	
						7.8	0.4	45	27.3		7.8		28.7		63.6		4.3		11.2		8		77				<0.2		1.8	
C2	Rainy	Moderate	10:18	10.6	Surface	1.0	0.3	173	28.7	28.7	7.7	7.7	10.4	10.4	78.8	78.7	5.8	5.3	6.5	6.2	4	5	67	73	825665	806939	<0.2	<0.2	2.7	2.5
						1.0	0.3	183	28.7		7.7		10.4		78.6		5.8		6.5		6		68				<0.2		2.6	
					Middle	5.3	0.7	57	28.2	28.2	7.7	7.7	18.9	18.9	68.2	68.2	4.8		5.7		5		75				<0.2		2.2	
						5.3	0.7	58	28.2		7.7		18.9		68.2		4.8		5.7		4		74				<0.2		2.5	
					Bottom	9.6	1.1	74	28.0	28.0	7.7	7.7	22.6	22.6	72.2	72.2	5.0	5.0	6.4		6		75				<0.2		2.3	
						9.6	1.2	74	28.0		7.7		22.6		72.2		5.0		6.4		6		76				<0.2		2.4	
C3	Rainy	Moderate	11:56	13.8	Surface	1.0	0.3	222	28.2	28.2	7.8	7.8	16.1	16.1	71.8	71.8	5.1	4.8	4.4	4.5	3	4	73	76	822119	817792	<0.2	<0.2	1.4	1.5
						1.0	0.3	234	28.2		7.8		16.1		71.8		5.1		4.4		3		74				<0.2		1.4	
					Middle	6.9	0.4	257	27.7	27.7	7.8	7.8	19.2	19.2	62.3	62.3	4.4		4.8		4		75				<0.2		1.5	
						6.9	0.4	268	27.7		7.8		19.2		62.3		4.4		4.8		3		76				<0.2		1.5	
					Bottom	12.8	0.5	312	27.0	27.0	7.7	7.7	28.0	28.0	71.1	71.1	4.8	4.8	4.2		6		77				<0.2		1.5	
						12.8	0.5	335	27.0		7.7		28.0		71.1		4.8		4.2		6		78				<0.2		1.6	
IM1	Rainy	Moderate	11:02	7.7	Surface	1.0	0.6	27	28.5	28.5	8.0	8.0	16.7	17.1	72.6	72.6	5.1	4.6	7.9	9.8	6	5	71	74	818336	806445	<0.2	<0.2	1.4	1.3
						1.0	0.7	29	28.5		8.0		17.4		72.6		5.1		7.9		4		71				<0.2		1.4	
					Middle	3.9	0.5	36	28.1	28.1	7.9	7.9	20.3	20.3	58.9	58.8	4.1		9.7		5		74				<0.2		1.4	
						3.9	0.5	36	28.1		7.9		20.3		58.7		4.1		9.7		5		74				<0.2		1.3	
					Bottom	6.7	0.3	9	27.5	27.5	7.9	7.9	25.3	25.3	60.2	60.2	4.1	4.1	11.9		5		77				<0.2		1.3	
						6.7	0.3	9	27.5		7.9		25.3		60.2		4.1		11.9		6		77				<0.2		1.2	
IM2	Rainy	Moderate	10:55	9.1	Surface	1.0	0.5	342	28.5	28.5	8.0	8.0	15.5	15.5	77.3	77.2	5.5	5.0	8.4	10.9	4	5	71	74	818832	806179	<0.2	<0.2	1.4	1.4
						1.0	0.5	315	28.5		8.0		15.5		77.1		5.5		8.5		5		71				<0.2		1.5	
					Middle	4.6	0.4	332	28.3	28.3	7.9	7.9	18.8	18.8	64.6	64.6	4.5		9.7		6		73				<0.2		1.4	
						4.6	0.4	336	28.3		7.9		18.8		64.5		4.5		9.8		6		74				<0.2		1.4	
					Bottom	8.1	0.5	358	27.4	27.4	7.9	7.9	27.0	27.0	68.1	68.1	4.6	4.6	14.6		5		77				<0.2		1.4	
						8.1	0.5	329	27.4		7.9		27.0		68.1		4.6		14.6		5		77				<0.2		1.4	
IM3	Rainy	Moderate	10:48	8.6	Surface	1.0	0.3	285	28.8	28.8	7.9	7.9	11.8	11.8	79.0	78.9	5.7	5.2	8.7	10.7	4	5	72	74	819412	806026	<0.2	<0.2	2.0	1.9
						1.0	0.3	289	28.8		7.9		11.8		78.8		5.7		8.7		5		71				<0.2		1.9	
					Middle	4.3	0.4	332	28.2	28.2	7.9	7.9	17.4	17.4	66.0	66.0	4.7		9.7		6		74				<0.2		1.8	
						4.3	0.4	357	28.2		7.9		17.4		65.9		4.7		9.8		5		74				<0.2		1.7	
					Bottom	7.6	0.2	3	27.2	27.2	7.9	7.9	27.4	27.4	57.3	57.3	3.9	3.9	13.7		4		77				<0.2		1.8	
						7.6	0.2	3	27.2		7.9		27.4		57.3		3.9		13.7		6		77				<0.2		1.9	
IM4	Rainy	Moderate	10:40	8.0	Surface	1.0	0.4	270	28.7	28.7	8.0	8.0	12.4	12.5	74.0	73.5	5.3	5.0	9.8	11.9	5	7	72	74	819552	805047	<0.2	<0.2	1.8	1.9
						1.0	0.4	293	28.7		8.0		12.5		73.0		5.3		10.1		5		71				<0.2		1.8	
					Middle	4.0	0.3	314	28.5	28.5	7.9	7.9	18.7	18.7	67.0	67.0	4.7		11.3		5		74				<0.2		1.9	
						4.0	0.3	326	28.5		7.9		18.7		67.0		4.7		11.3		7		74				<0.2		1.8	
					Bottom	7.0	0.2	6	27.1	27.1	7.9	7.9	28.2	28.2	66.1	66.1	4.5	4.5	14.4		10		76				<0.2		2.0	
						7.0	0.2	6	27.1		7.9		28.2		66.1		4.5		14.4		8		77				<0.2		2.0	
IM5	Rainy	Moderate	10:33	7.1	Surface	1.0	0.2	290	28.8	28.8	7.9	7.9	11.5	11.5	80.2	80.2	5.8	5.3	8.5	12.8	5	6	71	74	820576	804938	<0.2	<0.2	1.8	2.0
						1.0	0.2	302	28.8		7.9		11.5		80.2		5.8		8.5		5		71				<0.2		2.0	
					Middle	3.6	0.1	315	28.7	28.7	8.0	8.0	13.4	13.4	67.7	67.5	4.9		11.5		5		74				<0.2		1.8	
						3.6	0.1	328	28.7		8.0		13.4		67.3		4.8		11.5		7		74				<0.2		1.9	
					Bottom	6.1	0.4	18	27.2	27.2	7.9	7.9	27.7	27.7	49.8	49.8	3.4	3.4	18.4		8		76				<0.2		2.2	
						6.1	0.4	18	27.2		7.9		27.7		49.8		3.4		18.4		7		77				<0.2		2.4	
IM6	Rainy	Moderate	10:26	6.9	Surface	1.0	0.3	313	28.8	28.8	7.9	7.9	11.9	11.9	77.1	77.0	5.6	5.4	8.7	11.6	4	5	72	74	821058	805834	<0.2	<0.2	2.4	2.4
						1.0	0.3	314	28.8		7.9		11.9		76.9		5.6		8.8		4		72				<0.2		2.4	
					Middle	3.5	0.2	308	28.7	28.7	7.9	7.9	14.4	14.4	71.8	71.8	5.1		10.6		5		74				<0.2		2.1	
						3.5	0.2	332	28.7		7.9		14.4		71.7		5.1		10.7		7		74				<0.2		2.3	
					Bottom	5.9	0.2	356	28.2	28.2	7.9	7.9	25.2	25.2	76.1	76.1	5.2	5.2	15.5		5		77				<0.2		2.5	
						5.9	0.2	328	28.2		7.9		25.2		76.1		5.2		15.5		6		77				<0.2		2.4	
IM7	Rainy	Moderate	10:20	8.5	Surface	1.0	0.4	247	28.8	28.8	7.9	7.9	10.3	10.3	78.5	78.4	5.7	5.4	8.8	12.3	6	5	71	74	821335	806819	<0.2	<0.2	2.5	2.5
						1.0	0.4	258	28.8		7.9		10.3		78.3		5.7		8.9		4		71				<0.2		2.6	
					Middle	4.3	0.3	243	28.7	28.7	7.9	7.9	13.7	13.7	71.7	71.6	5.1		11.6		5		74				<0.2		2.6	
						4.3	0.3	256	28.7		7.9		13.7		71.5		5.1		11.7		4		74				<0.2		2.5	
					Bottom	7.5	0.1	152	28.5	28.5	7.8	7.8	23.2	23.2	78.1	78.1	5.3	5.3	16.5		7		76				<0.2		2.5	
						7.5	0.1	162	28.5		7.8		23.2		78.1		5.3		16.5		6		77				<0.2		2.5	
IM8	Rainy	Moderate	10:37	7.9	Surface	1.0	0.4	223	28.6	28.6	7.7	7.7	11.7	11.7	79.6	79.6	5.8	5.6	6.9	8.5	6	5	69	73	821710	807820	<0.2	<0.2	2.3	2.5
						1.0	0.4	227	28.6		7.7		11.7		79.6		5.8		6.9		6		70				<0.2		2.3	
					Middle	4.0	0.2	225	28.5	28.5	7.7	7.7	14.0	14.0	73.6	73.6	5.3		10.8		6		72				<0.2		2.5	
						4.0	0.2	236	28.5		7.7		14.0		73.6		5.3		10.8		4		71				<0.2		2.8	
					Bottom	6.9	0.2	211	28.4	28.4	7.7	7.7	20.3	20.3	84.5	84.5	5.9	5.9	7.8		5		76				<0.2		2.5	
						6.9	0.2	230	28.4		7.7		20.3		84.5		5.9		7.8		4		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 17 June 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	10:45	7.9	Surface	1.0	0.2	222	28.6	28.6	7.7	7.7	11.9	11.9	82.7	82.7	6.0	5.9	6.4	7.5	5	4	71	72	822087	808814	<0.2	<0.2	2.3	2.2
						1.0	0.2	223	28.6		7.7		11.9		82.7		6.0		6.4		3		70				<0.2		2.2	
					Middle	4.0	0.2	282	28.6	28.6	7.7	7.7	13.5	13.5	79.2	79.2	5.7		8.6		4		72				<0.2		2.5	
						4.0	0.2	303	28.6		7.7		13.5		79.2		5.7		8.6		6		72				<0.2		2.5	
					Bottom	6.9	0.2	287	28.6	28.6	7.7	7.7	15.9	15.9	87.0	87.0	6.2	6.2	7.4		4		73				<0.2		2.0	
						6.9	0.2	294	28.6		7.7		15.9		87.0		6.2		7.4		4		74				<0.2		1.9	
IM10	Rainy	Moderate	10:53	6.8	Surface	1.0	0.2	-	28.6	28.6	7.7	7.7	13.4	13.4	79.4	79.4	5.7	5.6	8.2	11.3	3	4	70	72	822240	809842	<0.2	<0.2	2.0	2.3
						1.0	0.2	-	28.6		7.7		13.4		79.4		5.7		8.2		4		70				<0.2		2.3	
					Middle	3.4	0.2	353	28.4	28.4	7.7	7.7	15.4	15.4	76.9	76.9	5.5		15.8		4		71				<0.2		2.3	
						3.4	0.2	325	28.4		7.7		15.4		76.9		5.5		15.8		4		72				<0.2		2.4	
					Bottom	5.8	0.2	315	28.4	28.4	7.7	7.7	19.5	19.5	87.3	87.3	6.1	6.1	9.8		5		75				<0.2		2.3	
						5.8	0.2	317	28.4		7.7		19.5		87.3		6.1		9.8		4		74				<0.2		2.2	
IM11	Rainy	Moderate	11:03	8.0	Surface	1.0	0.2	293	28.7	28.7	7.8	7.8	12.7	12.7	80.9	80.9	5.8	5.6	6.4	8.8	3	4	69	72	821512	810530	<0.2	<0.2	1.5	1.7
						1.0	0.2	293	28.7		7.8		12.7		80.9		5.8		6.4		3		70				<0.2		1.5	
					Middle	4.0	0.3	288	28.5	28.5	7.8	7.8	15.8	15.8	75.3	75.3	5.4		9.8		3		72				<0.2		1.5	
						4.0	0.3	298	28.5		7.8		15.8		75.3		5.4		9.8		2		72				<0.2		1.8	
					Bottom	7.0	0.2	308	28.1	28.1	7.7	7.7	22.2	22.2	84.3	84.3	5.8	5.8	10.2		6		75				<0.2		1.8	
						7.0	0.2	316	28.1		7.7		22.2		84.3		5.8		10.2		5		76				<0.2		1.8	
IM12	Rainy	Moderate	11:10	8.1	Surface	1.0	0.3	285	28.7	28.7	7.8	7.8	12.8	12.8	78.7	78.7	5.7	5.5	6.3	6.8	4	5	70	73	821154	811535	<0.2	<0.2	2.0	1.6
						1.0	0.3	289	28.7		7.8		12.8		78.7		5.7		6.3		6		69				<0.2		1.7	
					Middle	4.1	0.5	275	28.2	28.2	7.8	7.8	16.7	16.8	72.7	72.7	5.2		6.9		6		73				<0.2		1.6	
						4.1	0.5	279	28.2		7.8		16.8		72.6		5.2		6.9		5		73				<0.2		1.4	
					Bottom	7.1	0.2	275	27.7	27.7	7.7	7.7	23.9	23.9	80.1	80.1	5.5	5.5	7.2		6		75				<0.2		1.5	
						7.1	0.2	287	27.7		7.7		23.9		80.1		5.5		7.2		5		76				<0.2		1.5	
SR2	Rainy	Moderate	11:34	4.4	Surface	1.0	0.2	139	28.3	28.3	7.8	7.8	16.0	16.0	78.4	78.4	5.6	5.6	10.0	11.1	9	9	72	73	821475	814153	<0.2	<0.2	1.3	1.5
						1.0	0.2	147	28.3		7.8		16.0		78.4		5.6		10.0		8		72				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	165	28.1	28.1	7.8	7.8	18.6	18.6	80.6	80.6	5.7	5.7	12.2		10		75				<0.2		1.6	
						3.4	0.2	167	28.1		7.8		18.6		80.6		5.7		12.2		8		74				<0.2		1.6	
SR3	Rainy	Moderate	10:34	8.7	Surface	1.0	0.4	254	28.7	28.7	7.7	7.7	11.3	11.3	77.2	77.2	5.6	5.4	6.1	6.5	6	5	-	-	822131	807556	-	-	-	-
						1.0	0.4	265	28.7		7.7		11.3		77.2		5.6		6.1		4		-				-		-	
					Middle	4.4	0.3	262	28.4	28.4	7.7	7.7	14.8	14.8	73.2	73.2	5.2		6.6		4		-				-		-	
						4.4	0.3	263	28.4		7.7		14.8		73.1		5.2		6.7		5		-				-		-	
					Bottom	7.7	0.2	243	28.4	28.4	7.7	7.7	18.4	18.4	78.7	78.7	5.5	5.5	6.6		4		-				-		-	
						7.7	0.2	262	28.4		7.7		18.4		78.7		5.5		6.6		5		-				-		-	
SR4A	Rainy	Moderate	11:41	8.4	Surface	1.0	0.2	265	28.6	28.6	7.8	7.8	15.5	15.5	76.6	76.6	5.4	5.2	11.3	13.7	4	6	-	-	817174	807806	-	-	-	-
						1.0	0.2	286	28.6		7.8		15.5		76.6		5.4		11.2		4		-				-		-	
					Middle	4.2	0.1	273	28.4	28.4	7.8	7.8	17.5	17.6	70.2	70.2	5.0		14.3		6		-				-		-	
						4.2	0.1	282	28.4		7.8		17.6		70.1		4.9		14.3		7		-				-		-	
					Bottom	7.4	0.1	268	27.7	27.7	7.7	7.7	25.0	25.0	65.2	65.4	4.5	4.5	15.5		7		-				-		-	
						7.4	0.2	279	27.7		7.7		25.0		65.6		4.5		15.5		7		-				-		-	
SR5A	Rainy	Moderate	11:58	5.2	Surface	1.0	0.1	284	28.6	28.6	7.8	7.8	15.5	15.6	81.0	81.0	5.8	5.8	10.2	12.0	8	8	-	-	816603	810689	-	-	-	-
						1.0	0.1	308	28.6		7.8		15.6		81.0		5.8		10.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	347	28.5	28.5	7.8	7.8	17.1	17.1	86.5	86.5	6.1	6.1	13.7		8		-				-		-	
						4.2	0.1	359	28.5		7.8		17.1		86.5		6.1		13.7		8		-				-		-	
SR6	Rainy	Moderate	12:21	4.9	Surface	1.0	0.1	286	28.7	28.7	7.9	7.9	13.7	13.7	83.4	83.4	6.0	6.0	10.0	12.6	5	5	-	-	817893	814643	-	-	-	-
						1.0	0.1	293	28.7		7.9		13.7		83.4		6.0		10.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	244	28.6	28.6	7.9	7.9	14.9	14.9	83.6	83.6	6.0	6.0	15.2		5		-				-		-	
						3.9	0.1	265	28.6		7.9		14.9		83.6		6.0		15.3		5		-				-		-	
SR7	Rainy	Moderate	12:31	16.8	Surface	1.0	0.1	93	27.9	27.9	7.8	7.8	19.0	19.0	75.9	75.9	5.2	5.2	4.4	5.6	2	4	-	-	823649	823748	-	-	-	-
						1.0	0.1	95	27.9		7.8		19.0		75.9		5.3		4.4		2		-				-		-	
					Middle	8.4	0.1	318	26.7	26.7	7.8	7.8	25.0	25.0	73.8	73.8	5.1		6.3		4		-				-		-	
						8.4	0.1	328	26.7		7.8		25.0		73.8		5.1		6.3		4		-				-		-	
					Bottom	15.8	0.2	293	26.3	26.3	7.7	7.7	30.2	30.2	60.2	60.2	4.1	4.1	6.2		5		-				-		-	
						15.8	0.2	316	26.3		7.7		30.2		60.2		4.1		6.2		5		-				-		-	
SR8	Rainy	Moderate	11:20	4.2	Surface	1.0	0.1	88	28.5	28.5	7.8	7.8	12.4	12.4	83.9	83.9	6.1	6.1	6.6	7.0	4	5	-	-	820431	811578	-	-	-	-
						1.0	0.1	95	28.5		7.8		12.4		83.9		6.1		6.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	244	28.4	28.4	7.8	7.8	15.8	15.8	87.8	87.8	6.3	6.3	7.3		4		-				-		-	
						3.2	0.1	253	28.4		7.8		15.8		87.8		6.3		7.3		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 17 June 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	Moderate	06:16	8.1	Surface	1.0	0.4	202	28.7	28.7	8.0	8.0	13.2	13.2	81.0	81.0	5.8	5.4	7.6	8.5	6	7	70	73	815602	804236	<0.2	<0.2	1.6	1.7
						1.0	0.4	203	28.7		8.0		13.1		80.9		5.8		7.7		6		69				<0.2		1.6	
					Middle	4.1	0.0	357	28.3	28.3	7.9	7.9	17.7	17.7	69.0	69.0	4.9		8.2		8		73				<0.2		1.8	
						4.1	0.0	328	28.3		7.9		17.6		69.0		4.9		8.2		6		74				<0.2		1.9	
					Bottom	7.1	0.1	204	27.8	27.8	7.9	7.9	22.2	22.2	70.7	70.7	4.9	4.9	9.6		7		75				<0.2		1.7	
						7.1	0.1	216	27.8		7.9		22.2		70.7		4.9		9.6		9		76				<0.2		1.6	
C2	Rainy	Moderate	07:45	11.5	Surface	1.0	0.6	181	28.5	28.5	7.8	7.8	8.2	8.2	81.7	81.7	6.1	5.6	6.9	6.0	7	7	67	71	825666	806953	<0.2	<0.2	2.8	2.8
						1.0	0.6	183	28.5		7.8		8.2		81.7		6.1		6.9		8		66				<0.2		2.7	
					Middle	5.8	0.1	315	28.4	28.4	7.8	7.8	16.2	16.2	72.1	72.1	5.1		5.5		7		71				<0.2		2.8	
						5.8	0.1	345	28.4		7.8		16.2		72.1		5.1		5.5		7		72				<0.2		2.7	
					Bottom	10.5	0.6	7	28.1	28.1	7.8	7.8	19.8	19.8	73.3	73.3	5.1	5.1	5.5		8		74				<0.2		2.8	
						10.5	0.6	7	28.1		7.8		19.8		73.3		5.1		5.5		7		74				<0.2		2.8	
C3	Cloudy	Moderate	05:51	13.2	Surface	1.0	0.2	288	28.3	28.3	7.8	7.8	15.4	15.4	80.3	80.3	5.7	5.3	4.9	4.2	5	7	73	75	822125	817788	<0.2	<0.2	1.8	1.7
						1.0	0.2	291	28.3		7.8		15.4		80.3		5.7		4.9		7		74				<0.2		1.8	
					Middle	6.6	0.4	312	28.1	28.1	7.8	7.8	17.9	17.9	68.4	68.4	4.8		4.0		7		75				<0.2		1.7	
						6.6	0.4	320	28.1		7.8		17.9		68.4		4.8		4.0		6		74				<0.2		1.8	
					Bottom	12.2	0.9	341	27.4	27.4	7.7	7.7	25.1	25.1	70.9	70.9	4.9	4.9	3.8		7		78				<0.2		1.6	
						12.2	1.0	353	27.4		7.7		25.1		70.9		4.9		3.8		9		77				<0.2		1.7	
IM1	Rainy	Moderate	06:36	7.4	Surface	1.0	0.2	251	28.3	28.3	8.0	8.0	14.9	14.9	68.3	68.1	4.9	4.9	8.5	11.0	8	7	70	73	818336	806468	<0.2	<0.2	1.5	1.3
						1.0	0.2	260	28.3		8.0		14.9		67.8		4.9		8.6		8		70				<0.2		1.4	
					Middle	3.7	0.3	282	27.9	27.9	7.9	7.9	22.8	22.8	65.4	65.5	4.8		10.2		8		73				<0.2		1.2	
						3.7	0.3	307	27.9		7.9		22.7		65.5		4.8		10.3		6		73				<0.2		1.2	
					Bottom	6.4	0.2	323	27.2	27.2	7.9	7.9	26.9	27.0	52.5	52.6	3.6	3.6	14.2		6		76				<0.2		1.2	
						6.4	0.3	328	27.2		7.9		27.0		52.6		3.6		14.3		6		75				<0.2		1.3	
IM2	Rainy	Moderate	06:41	8.5	Surface	1.0	0.7	231	28.7	28.7	7.9	7.9	11.9	11.9	76.1	76.1	5.5	4.6	9.8	12.6	7	7	69	73	818862	806189	<0.2	<0.2	1.7	1.7
						1.0	0.7	247	28.7		7.9		11.9		76.1		5.5		9.8		8		70				<0.2		1.5	
					Middle	4.3	0.2	310	27.5	27.5	7.9	7.9	23.3	23.3	51.6	51.6	3.6		11.1		8		73				<0.2		1.7	
						4.3	0.2	324	27.5		7.9		23.3		51.6		3.6		11.1		6		73				<0.2		1.7	
					Bottom	7.5	0.2	2	27.1	27.1	7.9	7.9	27.7	27.7	51.3	51.3	3.5	3.5	16.9		8		76				<0.2		1.9	
						7.5	0.2	2	27.1		7.9		27.7		51.3		3.5		16.9		7		76				<0.2		1.9	
IM3	Rainy	Moderate	06:51	8.4	Surface	1.0	0.5	237	28.8	28.8	8.0	8.0	12.0	12.0	74.7	74.7	5.4	4.7	11.7	13.2	7	7	70	73	819426	806036	<0.2	<0.2	2.1	2.4
						1.0	0.6	260	28.8		8.0		12.0		74.7		5.4		11.7		7		69				<0.2		2.3	
					Middle	4.2	0.2	301	27.7	27.7	7.9	7.9	22.5	22.5	58.1	58.1	4.0		13.0		8		73				<0.2		2.4	
						4.2	0.2	323	27.7		7.9		22.5		58.1		4.0		13.0		6		73				<0.2		2.4	
					Bottom	7.4	0.2	8	27.1	27.1	7.9	7.9	27.9	27.9	51.2	51.2	3.5	3.5	15.0		8		75				<0.2		2.5	
						7.4	0.2	8	27.1		7.9		27.9		51.2		3.5		15.0		7		76				<0.2		2.5	
IM4	Rainy	Moderate	06:57	7.9	Surface	1.0	0.1	104	28.6	28.6	8.1	8.1	13.0	13.0	77.6	77.6	5.6	5.0	10.4	13.1	11	11	70	73	819578	805057	<0.2	<0.2	2.3	2.2
						1.0	0.1	110	28.6		8.1		13.0		77.5		5.6		10.5		11		70				<0.2		2.3	
					Middle	4.0	0.2	326	28.4	28.4	8.0	8.0	17.4	17.4	61.1	61.1	4.3		13.1		10		73				<0.2		2.3	
						4.0	0.2	350	28.4		8.0		17.4		61.1		4.3		13.1		12		73				<0.2		2.3	
					Bottom	6.9	0.2	12	27.2	27.2	7.9	7.9	28.1	28.1	67.6	67.6	4.6	4.6	15.7		11		76				<0.2		2.0	
						6.9	0.2	12	27.2		7.9		28.1		67.6		4.6		15.7		12		76				<0.2		2.1	
IM5	Rainy	Moderate	07:04	7.2	Surface	1.0	0.3	229	28.7	28.7	7.9	7.9	11.7	11.7	74.4	74.3	5.4	5.1	9.2	12.8	8	8	69	73	820549	804928	<0.2	<0.2	2.2	2.2
						1.0	0.4	236	28.7		7.9		11.7		74.1		5.4		9.2		7		70				<0.2		2.2	
					Middle	3.6	0.3	256	28.6	28.6	7.9	7.9	15.1	15.1	66.8	66.7	4.8		11.5		7		73				<0.2		2.2	
						3.6	0.3	266	28.6		7.9		15.1		66.5		4.7		11.6		7		74				<0.2		2.2	
					Bottom	6.2	0.3	338	27.2	27.2	7.9	7.9	27.8	27.8	61.5	61.5	4.2	4.2	17.6		9		76				<0.2		2.1	
						6.2	0.3	357	27.2		7.9		27.8		61.5		4.2		17.6		8		76				<0.2		2.0	
IM6	Rainy	Moderate	07:11	6.9	Surface	1.0	0.4	253	28.8	28.8	7.9	7.9	12.0	12.0	77.6	77.6	5.6	5.4	8.9	12.6	6	6	70	73	821062	805836	<0.2	<0.2	2.0	1.9
						1.0	0.4	270	28.8		7.9		12.0		77.5		5.6		8.9		6		70				<0.2		1.9	
					Middle	3.5	0.3	262	28.7	28.7	7.9	7.9	13.6	13.6	71.0	70.9	5.1		11.0		6		74				<0.2		1.8	
						3.5	0.3	274	28.7		7.9		13.6		70.8		5.1		11.1		6		73				<0.2		1.7	
					Bottom	5.9	0.3	310	28.0	28.0	7.9	7.9	24.9	24.9	66.5	66.5	4.5	4.5	17.8		6		76				<0.2		2.0	
						5.9	0.3	322	28.0		7.9		24.9		66.5		4.5		17.8		6		76				<0.2		2.0	
IM7	Rainy	Moderate	07:19	8.1	Surface	1.0	0.3	241	28.8	28.8	7.9	7.9	10.4	10.4	78.9	78.8	5.8	5.5	9.0	11.1	5	6	69	73	821333	806824	<0.2	<0.2	2.3	2.3
						1.0	0.3	263	28.8		7.9		10.4		78.7		5.7		9.0		6		70				<0.2		2.2	
					Middle	4.1	0.3	247	28.7	28.7	7.8	7.9	13.5	13.5	74.0	73.9	5.3		10.5		6		73				<0.2		2.3	
						4.1	0.3	261	28.7		7.9		13.5		73.8		5.3		10.5		5		74				<0.2		2.2	
					Bottom	7.1	0.0	186	28.4	28.4	7.9	7.9	18.7	18.7	80.4	80.4	5.6	5.6	13.7		5		76				<0.2		2.2	
						7.1	0.0	200	28.4		7.9		18.7		80.4		5.6		13.7		6		76				<0.2		2.5	
IM8	Rainy	Moderate	07:18	7.8	Surface	1.0	0.5	209	28.7	28.7	7.7	7.7	11.4	11.4	78.8	78.8	5.7	5.6	7.0	8.7	6	5	69	70	821709	807832	<0.2	<0.2	2.0	2.0
						1.0	0.5	215	28.7		7.7		11.4		78.8		5.7		7.0		4		69				<0.2		2.0	
					Middle	3.9	0.5	230	28.5	28.5	7.7	7.7	15.1	15.1	76.2	76.2	5.4		9.4		6		70				<0.2		2.0	
						3.9	0.5	237	28.5		7.7		15.1		76.2		5.4		9.4		5		71				<0.2		1.9	
					Bottom	6.8	0.2	253	28.5	28.5	7.7	7.7	15.6	15.6	81.6	81.6	5.8	5.8	9.7		5		72				<0.2		2.0	
						6.8	0.2	254	28.5		7.7		15.6		81.6		5.8		9.7		4		71				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 June 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	Moderate	07:11	6.6	Surface	1.0	0.2	207	28.7	28.7	7.7	7.7	12.5	12.5	80.5	80.5	5.8	5.8	5.9	6.2	6	7	69	71	822075	808830	<0.2	<0.2	2.1	2.1
						1.0	0.3	224	28.7		7.7		12.5		80.5		5.8		5.9		4		69				<0.2		2.1	
					Middle	3.3	0.3	201	28.6	28.6	7.7	7.7	14.0	14.0	79.2	79.2	5.7		6.3		7		70				<0.2		2.2	
						3.3	0.3	210	28.6		7.7		14.0		79.2		5.7		6.3		6		71				<0.2		2.1	
					Bottom	5.6	0.6	207	28.5	28.5	7.7	7.7	14.9	14.9	83.7	83.7	6.0	6.0	6.5		8		72				<0.2		2.1	
						5.6	0.6	212	28.5		7.7		14.9		83.7		6.0		6.5		8		73				<0.2		2.1	
IM10	Rainy	Moderate	07:04	7.4	Surface	1.0	0.1	181	28.7	28.7	7.7	7.7	12.8	12.8	78.7	78.7	5.7	5.5	7.0	9.0	6	5	69	72	822231	809821	<0.2	<0.2	2.0	2.0
						1.0	0.1	184	28.7		7.7		12.8		78.7		5.7		7.0		5		69				<0.2		2.0	
					Middle	3.7	0.3	182	28.6	28.6	7.7	7.7	14.2	14.2	74.0	74.0	5.3		9.6		5		71				<0.2		2.0	
						3.7	0.4	182	28.6		7.7		14.2		74.0		5.3		9.6		5		70				<0.2		2.0	
					Bottom	6.4	0.1	218	28.3	28.3	7.7	7.7	17.6	17.6	70.6	70.6	5.0	5.0	10.3		5		75				<0.2		2.0	
						6.4	0.1	224	28.3		7.7		17.6		70.6		5.0		10.3		5		76				<0.2		2.2	
IM11	Rainy	Moderate	06:54	8.2	Surface	1.0	0.2	137	28.6	28.6	7.7	7.7	12.2	12.2	79.2	79.2	5.7	5.7	6.9	7.9	7	6	70	72	821492	810554	<0.2	<0.2	2.0	2.2
						1.0	0.2	146	28.6		7.7		12.2		79.2		5.7		6.9		5		70				<0.2		2.2	
					Middle	4.1	0.1	137	28.4	28.4	7.7	7.7	14.3	14.3	77.4	77.4	5.6		9.3		6		71				<0.2		2.2	
						4.1	0.1	137	28.4		7.7		14.3		77.4		5.6		9.3		7		72				<0.2		2.0	
					Bottom	7.2	0.4	290	28.5	28.5	7.7	7.7	18.1	18.1	85.4	85.4	6.0	6.0	7.6		6		76				<0.2		2.3	
						7.2	0.5	292	28.5		7.7		18.1		85.4		6.0		7.6		7		75				<0.2		2.2	
IM12	Cloudy	Moderate	06:44	9.0	Surface	1.0	0.1	97	28.8	28.8	7.7	7.7	12.4	12.4	80.2	80.2	5.8	5.3	6.4	8.0	7	6	70	72	821159	811512	<0.2	<0.2	2.1	2.2
						1.0	0.2	103	28.8		7.7		12.4		80.2		5.8		6.4		6		69				<0.2		2.4	
					Middle	4.5	0.2	114	28.4	28.4	7.8	7.8	14.1	14.1	67.4	67.2	4.9		8.5		5		72				<0.2		2.3	
						4.5	0.2	123	28.3		7.8		14.1		67.0		4.8		8.6		6		71				<0.2		2.0	
					Bottom	8.0	0.3	140	27.5	27.5	7.7	7.7	24.1	24.1	65.1	65.1	4.5	4.5	9.0		5		75				<0.2		2.1	
						8.0	0.3	141	27.5		7.7		24.1		65.1		4.5		9.0		6		76				<0.2		2.2	
SR2	Cloudy	Moderate	06:20	4.9	Surface	1.0	0.3	42	28.7	28.7	7.8	7.8	12.4	12.4	80.8	80.8	5.8	5.8	6.2	6.8	5	6	71	71	821475	814160	<0.2	<0.2	2.2	2.2
						1.0	0.3	42	28.7		7.8		12.4		80.8		5.8		6.2		6		71				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	40	28.6	28.6	7.8	7.8	14.6	14.6	80.2	80.2	5.7	5.7	7.4		6		70				<0.2		2.1	
						3.9	0.2	43	28.6		7.8		14.6		80.2		5.7		7.4		6		71				<0.2		2.1	
SR3	Rainy	Moderate	07:23	8.4	Surface	1.0	0.3	209	28.6	28.6	7.7	7.7	12.3	12.3	74.8	74.8	5.4	5.3	6.9	7.5	5	5	-	-	822150	807566	-	-	-	-
						1.0	0.3	225	28.6		7.7		12.3		74.8		5.4		6.9		5		-				-		-	
					Middle	4.2	0.2	228	28.4	28.4	7.7	7.7	15.7	15.7	71.0	71.0	5.1		8.3		5		-				-		-	
						4.2	0.2	240	28.4		7.7		15.7		71.0		5.1		8.3		6		-				-		-	
					Bottom	7.4	0.2	116	28.3	28.3	7.7	7.7	19.3	19.3	76.8	76.8	5.4	5.4	7.4		6		-				-		-	
						7.4	0.2	119	28.3		7.7		19.3		76.8		5.4		7.4		5		-				-		-	
SR4A	Cloudy	Moderate	05:57	8.2	Surface	1.0	0.4	270	28.4	28.4	7.9	7.9	15.6	15.6	73.3	73.3	5.2	4.5	9.7	14.3	6	6	-	-	817176	807820	-	-	-	-
						1.0	0.4	286	28.4		7.9		15.6		73.3		5.2		9.7		6		-				-		-	
					Middle	4.1	0.3	278	27.7	27.7	7.9	7.9	23.5	23.5	55.6	55.6	3.8		14.8		5		-				-		-	
						4.1	0.3	285	27.7		7.9		23.5		55.6		3.8		14.8		5		-				-		-	
					Bottom	7.2	0.2	272	27.3	27.3	7.8	7.8	26.6	26.6	59.6	59.8	4.1	4.1	18.4		7		-				-		-	
						7.2	0.3	282	27.3		7.8		26.6		60.0		4.1		18.2		6		-				-		-	
SR5A	Cloudy	Moderate	05:42	5.0	Surface	1.0	0.2	275	28.3	28.3	7.9	7.9	14.4	14.4	82.9	82.9	6.0	6.0	9.3	10.3	8	8	-	-	816580	810700	-	-	-	-
						1.0	0.2	281	28.3		7.9		14.4		82.9		6.0		9.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	322	28.4	28.4	7.8	7.8	17.1	17.1	83.0	83.2	5.9	5.9	11.2		8		-				-		-	
						4.0	0.1	349	28.4		7.8		17.1		83.3		5.9		11.3		9		-				-		-	
SR6	Cloudy	Moderate	05:18	4.0	Surface	1.0	0.0	330	28.5	28.5	7.9	7.9	16.3	16.3	78.8	78.7	5.6	5.6	14.2	16.5	9	10	-	-	817915	814654	-	-	-	-
						1.0	0.0	338	28.5		7.9		16.3		78.6		5.6		14.2		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	279	28.4	28.4	7.8	7.8	17.2	17.2	78.7	78.7	5.6	5.6	18.7		11		-				-		-	
						3.0	0.1	280	28.4		7.8		17.2		78.7		5.6		18.7		10		-				-		-	
SR7	Cloudy	Moderate	05:16	16.3	Surface	1.0	0.2	25	28.2	28.2	7.8	7.8	15.9	15.9	81.3	81.3	5.8	5.2	3.9	4.2	5	5	-	-	823619	823743	-	-	-	-
						1.0	0.2	27	28.2		7.8		15.9		81.3		5.8		3.9		4		-				-		-	
					Middle	8.2	0.4	24	28.2	28.2	7.8	7.8	16.8	16.8	64.0	64.0	4.6		4.3		6		-				-		-	
						8.2	0.4	24	28.2		7.8		16.8		64.0		4.6		4.3		6		-				-		-	
					Bottom	15.3	1.7	62	26.7	26.7	7.7	7.7	28.4	28.4	72.0	72.0	4.9	4.9	4.3		5		-				-		-	
						15.3	1.8	65	26.7		7.7		28.4		72.0		4.9		4.3		4		-				-		-	
SR8	Cloudy	Moderate	06:36	5.3	Surface	1.0	0.1	271	28.5	28.5	7.8	7.8	12.1	12.1	86.3	86.3	6.3	6.3	6.0	6.1	4	5	-	-	820417	811585	-	-	-	-
						1.0	0.1	284	28.5		7.8		12.1		86.3		6.3		6.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.3	273	28.5	28.5	7.8	7.8	13.5	13.5	89.7	89.7	6.5	6.5	6.1		6		-				-		-	
						4.3	0.3	285	28.5		7.8		13.5		89.7		6.5		6.1		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 June 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	15:33	7.8	Surface	1.0	0.1	91	28.3	28.3	7.5	7.5	8.9	8.9	72.4	72.4	5.4	5.1	8.7	10.0	7	6	66	72	815627	804259	<0.2	<0.2	2.7	2.8
						1.0	0.1	92	28.3		7.5		8.9		72.4		5.4		8.7		6		66				<0.2		2.8	
					Middle	3.9	0.1	139	28.2	28.2	7.6	7.7	11.8	11.8	64.1	63.9	4.7		9.5		6		74				<0.2		2.8	
						3.9	0.1	147	28.2		7.7		11.8		63.7		4.7		9.6		7		73				<0.2		2.9	
					Bottom	6.8	0.1	174	27.8	27.8	7.7	7.7	19.7	19.4	53.9	54.0	3.8	3.8	11.7		6		76				<0.2		2.8	
						6.8	0.1	180	27.8		7.7		19.1		54.0		3.8		11.7		6		75				<0.2		3.0	
C2	Cloudy	Moderate	14:26	9.5	Surface	1.0	1.0	171	28.1	28.1	7.3	7.3	5.4	5.4	64.4	64.4	4.9	4.1	9.3	10.1	11	12	63	71	825675	806959	<0.2	<0.2	5.0	4.3
						1.0	1.0	176	28.1		7.3		5.4		64.4		4.9		9.3		12		63				<0.2		5.1	
					Middle	4.8	0.5	165	27.4	27.4	7.4	7.4	17.4	17.4	44.2	44.2	3.2		10.8		11		73				<0.2		5.2	
						4.8	0.5	167	27.4		7.4		17.4		44.2		3.2		10.8		12		73				<0.2		5.3	
					Bottom	8.5	0.1	302	26.8	26.8	7.6	7.6	24.3	24.3	43.8	43.8	3.1	3.1	10.2		11		77				<0.2		2.6	
						8.5	0.1	325	26.8		7.6		24.3		43.8		3.1		10.2		12		77				<0.2		2.6	
C3	Cloudy	Moderate	15:57	12.1	Surface	1.0	0.5	243	27.6	27.6	7.6	7.6	15.0	15.0	67.0	67.0	4.9	4.6	5.9	7.9	6	7	72	74	822104	817783	<0.2	<0.2	2.3	2.3
						1.0	0.5	258	27.6		7.6		15.0		66.9		4.9		5.9		7		71				<0.2		2.4	
					Middle	6.1	0.3	279	27.3	27.3	7.6	7.6	17.9	17.9	58.1	58.1	4.2		7.9		6		74				<0.2		2.4	
						6.1	0.3	287	27.3		7.6		17.9		58.1		4.2		7.9		6		73				<0.2		2.3	
					Bottom	11.1	0.4	299	26.4	26.4	7.6	7.6	25.5	25.5	46.4	46.4	3.2	3.2	9.9		9		76				<0.2		2.3	
						11.1	0.4	318	26.4		7.6		25.5		46.4		3.2		9.9		9		76				<0.2		2.3	
IM1	Cloudy	Moderate	15:12	6.9	Surface	1.0	0.6	343	28.0	28.0	7.7	7.7	14.4	14.4	73.3	73.3	5.3	5.0	8.4	10.3	9	10	67	71	818333	806473	<0.2	<0.2	2.3	2.1
						1.0	0.6	345	28.0		7.7		14.4		73.2		5.3		8.4		8		68				<0.2		2.1	
					Middle	3.5	0.4	347	27.9	27.9	7.7	7.7	15.3	15.3	65.1	65.0	4.7		10.3		10		69				<0.2		2.2	
						3.5	0.5	356	27.9		7.7		15.3		64.8		4.7		10.3		8		70				<0.2		1.9	
					Bottom	5.9	0.4	351	27.2	27.2	7.7	7.7	27.6	27.6	57.8	58.2	3.9	4.0	12.2		10		75				<0.2		2.0	
						5.9	0.4	323	27.2		7.7		27.6		58.5		4.0		12.2		12		75				<0.2		2.0	
IM2	Cloudy	Moderate	15:04	7.8	Surface	1.0	0.8	240	28.3	28.3	7.5	7.5	10.1	10.1	66.2	66.2	4.9	4.4	8.8	10.7	8	9	67	72	818852	806194	<0.2	<0.2	2.9	2.8
						1.0	0.9	247	28.3		7.5		10.1		66.2		4.9		8.8		8		67				<0.2		3.1	
					Middle	3.9	0.8	241	27.9	27.9	7.7	7.7	17.1	17.1	54.9	54.9	3.9		10.0		8		74				<0.2		2.7	
						3.9	0.8	260	27.9		7.7		17.1		54.9		3.9		10.0		8		73				<0.2		2.6	
					Bottom	6.8	0.2	255	27.2	27.2	7.8	7.8	25.3	25.3	59.2	59.6	4.1	4.1	13.4		12		76				<0.2		2.6	
						6.8	0.2	255	27.2		7.8		25.3		60.0		4.1		13.4		10		76				<0.2		2.6	
IM3	Cloudy	Moderate	14:55	7.7	Surface	1.0	0.6	239	28.2	28.2	7.6	7.6	10.1	10.1	62.3	61.9	4.6	4.5	8.3	10.6	8	9	67	71	819403	806037	<0.2	<0.2	2.9	3.2
						1.0	0.7	251	28.2		7.6		10.1		61.5		4.5		8.3		9		67				<0.2		3.1	
					Middle	3.9	0.7	234	28.1	28.1	7.6	7.6	14.2	14.2	60.3	60.3	4.4		10.2		9		72				<0.2		3.0	
						3.9	0.7	243	28.1		7.6		14.2		60.3		4.4		10.2		11		72				<0.2		3.3	
					Bottom	6.7	0.1	223	27.4	27.4	7.8	7.8	21.9	21.9	47.8	47.8	3.4	3.4	13.4		9		75				<0.2		3.3	
						6.7	0.1	237	27.4		7.8		21.9		47.8		3.4		13.4		9		75				<0.2		3.5	
IM4	Cloudy	Moderate	14:46	7.2	Surface	1.0	0.3	210	28.1	28.1	7.6	7.6	11.7	11.7	69.1	69.1	5.1	4.9	8.8	11.0	9	8	68	71	819575	805045	<0.2	<0.2	3.0	3.0
						1.0	0.3	226	28.1		7.6		11.7		69.1		5.1		8.8		8		68				<0.2		3.1	
					Middle	3.6	0.2	228	28.0	28.0	7.6	7.6	12.8	12.8	63.6	63.5	4.6		10.2		9		70				<0.2		3.0	
						3.6	0.2	244	28.0		7.6		12.8		63.4		4.6		10.2		9		70				<0.2		2.9	
					Bottom	6.2	0.3	253	27.6	27.6	7.8	7.8	18.2	18.2	60.0	60.0	4.3	4.3	13.9		7		76				<0.2		2.9	
						6.2	0.3	261	27.6		7.8		18.2		60.0		4.3		13.9		8		76				<0.2		3.0	
IM5	Cloudy	Moderate	14:37	6.5	Surface	1.0	0.1	152	28.1	28.1	7.6	7.6	10.6	10.6	66.6	66.6	4.9	4.8	10.1	11.1	7	8	69	72	820581	804915	<0.2	<0.2	3.3	3.2
						1.0	0.1	154	28.1		7.6		10.6		66.5		4.9		10.1		7		69				<0.2		3.3	
					Middle	3.3	0.4	272	28.0	28.0	7.6	7.6	13.1	13.0	63.2	63.2	4.6		11.1		9		72				<0.2		3.2	
						3.3	0.4	292	28.0		7.6		12.9		63.2		4.6		11.2		7		71				<0.2		3.3	
					Bottom	5.5	0.5	261	27.7	27.7	7.6	7.6	20.7	20.7	76.6	76.6	5.4	5.4	12.1		8		75				<0.2		3.1	
						5.5	0.5	279	27.7		7.6		20.7		76.6		5.4		12.1		8		75				<0.2		3.0	
IM6	Cloudy	Moderate	14:28	6.2	Surface	1.0	0.2	255	28.1	28.1	7.6	7.6	11.3	11.3	65.1	65.1	4.8	4.5	12.5	13.1	9	8	68	72	821050	805844	<0.2	<0.2	3.4	3.1
						1.0	0.2	280	28.1		7.6		11.2		65.1		4.8		12.5		8		67				<0.2		3.3	
					Middle	3.1	0.2	273	27.8	27.8	7.7	7.7	15.4	15.2	57.6	57.6	4.2		13.1		8		71				<0.2		2.9	
						3.1	0.2	287	27.8		7.7		15.0		57.6		4.2		13.2		7		72				<0.2		3.2	
					Bottom	5.2	0.5	274	27.6	27.6	7.7	7.7	18.9	18.7	51.8	51.9	3.7	3.7	13.6		8		76				<0.2		3.1	
						5.2	0.5	281	27.6		7.7		18.4		51.9		3.7		13.4		8		76				<0.2		2.9	
IM7	Cloudy	Moderate	14:20	7.2	Surface	1.0	0.8	224	27.8	27.8	7.6	7.6	14.5	14.5	54.5	54.5	4.0	**4.0**	10.2	12.2	10	10	72	74	821359	806839	<0.2	<0.2	2.9	2.8
						1.0	0.8	241	27.8		7.6		14.5		54.5		4.0		10.2		11		71				<0.2		2.8	
					Middle	3.6	0.6	239	27.7	27.7	7.7	7.7	15.7	15.7	54.3	54.3	3.9		12.5		11		74				<0.2		3.0	
						3.6	0.7	260	27.7		7.7		15.7		54.3		3.9		12.5		10		74				<0.2		2.9	
					Bottom	6.2	0.5	255	27.6	27.6	7.7	7.7	19.6	19.6	58.3	58.3	4.1	4.1	14.0		8		76				<0.2		2.6	
						6.2	0.5	262	27.6		7.7		19.6		58.3		4.1		14.0		9		76				<0.2		2.7	
IM8	Cloudy	Moderate	14:47	7.9	Surface	1.0	0.8	192	28.0	28.0	7.3	7.3	7.6	7.6	63.0	63.0	4.7	4.4	9.4	9.5	8	9	63	68	821705	807818	<0.2	<0.2	4.4	**3.9**
						1.0	0.8	204	28.0		7.3		7.6		63.0		4.7		9.4		8		64				<0.2		4.1	
					Middle	4.0	0.4	219	27.7	27.7	7.4	7.4	13.9	13.9	55.0	55.0	4.0		8.7		10		67				<0.2		4.8	
						4.0	0.4	219	27.7		7.4		13.9		55.0		4.0		8.7		9		66				<0.2		4.6	
					Bottom	6.9	0.4	253	27.4	27.4	7.5	7.5	17.9	17.9	58.2	58.3	4.2	4.2	10.3		8		75				<0.2		2.6	
						6.9	0.4	273	27.4		7.5		17.9		58.4		4.2		10.4		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 20 June 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	14:55	6.4	Surface	1.0	0.5	172	28.0	28.0	7.4	7.4	6.4	6.4	67.8	67.8	5.1	4.5	9.7	9.9	9	9	64	71	822099	808822	<0.2	<0.2	4.2	**3.7**
						1.0	0.5	185	28.0		7.4		6.4		67.8		5.1		9.7		8		64				<0.2		4.1	
					Middle	3.2	0.1	212	27.5	27.5	7.5	7.5	16.8	16.8	53.4	53.4	3.8		9.5		8		71				<0.2		4.3	
						3.2	0.1	229	27.5		7.5		16.8		53.4		3.8		9.5		9		72				<0.2		4.3	
					Bottom	5.4	0.1	289	27.4	27.4	7.5	7.5	19.0	19.0	56.3	56.3	4.0	4.0	10.5		8		76				<0.2		2.8	
						5.4	0.1	310	27.4		7.5		19.0		56.3		4.0		10.5		9		76				<0.2		2.7	
IM10	Cloudy	Moderate	15:05	6.2	Surface	1.0	0.2	180	28.0	28.0	7.4	7.4	6.7	6.7	70.4	70.4	5.3	4.8	9.7	8.7	9	12	63	69	822231	809840	<0.2	<0.2	4.2	**3.8**
						1.0	0.2	196	28.0		7.4		6.7		70.4		5.3		9.7		10		64				<0.2		4.0	
					Middle	3.1	0.2	355	27.7	27.7	7.5	7.5	13.8	13.8	58.2	58.2	4.2		8.4		9		67				<0.2		4.0	
						3.1	0.2	327	27.7		7.5		13.8		58.2		4.2		8.4		11		68				<0.2		3.9	
					Bottom	5.2	0.1	7	27.4	27.4	7.5	7.5	18.0	18.0	55.7	55.7	4.0	4.0	8.0		16		75				<0.2		3.2	
						5.2	0.1	7	27.4		7.5		18.0		55.7		4.0		8.0		14		74				<0.2		3.5	
IM11	Cloudy	Moderate	15:13	7.8	Surface	1.0	0.2	131	28.0	28.0	7.4	7.4	7.3	7.3	67.8	67.8	5.1	4.8	9.7	9.8	9	9	64	69	821506	810556	<0.2	<0.2	4.2	**3.7**
						1.0	0.2	139	28.0		7.4		7.3		67.8		5.1		9.7		9		64				<0.2		4.2	
					Middle	3.9	0.2	307	27.7	27.7	7.5	7.5	14.2	14.2	60.2	60.2	4.4		8.0		8		67				<0.2		3.8	
						3.9	0.2	307	27.7		7.5		14.2		60.2		4.4		8.0		9		68				<0.2		4.0	
					Bottom	6.8	0.2	265	27.3	27.3	7.6	7.6	20.1	20.1	54.7	54.7	3.9	3.9	11.8		9		76				<0.2		2.9	
						6.8	0.2	274	27.3		7.6		20.1		54.7		3.9		11.8		10		76				<0.2		3.2	
IM12	Cloudy	Moderate	15:20	7.2	Surface	1.0	0.1	352	27.9	27.9	7.4	7.4	8.4	8.4	67.1	67.1	5.0	5.0	8.7	8.3	8	8	66	69	821144	811505	<0.2	<0.2	3.6	3.5
						1.0	0.1	354	27.9		7.4		8.4		67.1		5.0		8.7		8		65				<0.2		3.8	
					Middle	3.6	0.3	298	27.8	27.8	7.6	7.6	12.2	12.2	67.5	67.5	5.0		7.4		8		69				<0.2		3.8	
						3.6	0.3	307	27.8		7.6		12.2		67.5		5.0		7.4		8		68				<0.2		3.6	
					Bottom	6.2	0.3	278	27.3	27.3	7.6	7.6	21.8	21.8	58.7	58.7	4.1	4.1	8.7		8		74				<0.2		3.1	
						6.2	0.3	287	27.3		7.6		21.8		58.7		4.1		8.7		8		74				<0.2		3.2	
SR2	Cloudy	Moderate	15:45	4.3	Surface	1.0	0.3	304	27.8	27.8	7.5	7.5	10.7	10.7	73.1	73.1	5.4	5.4	7.0	7.7	8	7	65	67	821480	814185	<0.2	<0.2	2.2	2.4
						1.0	0.3	334	27.8		7.5		10.7		73.0		5.4		7.0		6		66				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.5	303	27.7	27.7	7.6	7.6	12.9	12.9	73.5	73.5	5.4	5.4	8.3		6		69				<0.2		2.7	
						3.3	0.5	332	27.7		7.6		12.9		73.5		5.4		8.3		6		68				<0.2		2.7	
SR3	Cloudy	Moderate	14:41	7.8	Surface	1.0	0.9	177	28.0	28.0	7.3	7.3	7.7	7.7	63.6	63.6	4.8	4.3	9.8	9.7	8	8	-	-	822152	807560	-	-	-	-
						1.0	0.9	189	28.0		7.3		7.7		63.6		4.8		9.8		9		-				-		-	
					Middle	3.9	0.5	186	27.6	27.6	7.4	7.4	15.8	15.8	51.9	51.9	3.8		9.0		8		-				-		-	
						3.9	0.6	186	27.6		7.4		15.8		51.9		3.8		9.0		9		-				-		-	
					Bottom	6.8	0.4	236	27.3	27.3	7.5	7.5	19.2	19.2	57.8	57.8	4.1	4.1	10.3		7		-				-		-	
						6.8	0.4	241	27.3		7.5		19.2		57.8		4.1		10.3		7		-				-		-	
SR4A	Cloudy	Moderate	15:54	7.2	Surface	1.0	0.4	237	27.9	27.9	7.8	7.8	15.0	15.0	74.9	74.9	5.4	4.9	12.0	14.2	9	11	-	-	817198	807823	-	-	-	-
						1.0	0.4	243	27.9		7.8		15.0		74.9		5.4		12.1		9		-				-		-	
					Middle	3.6	0.3	241	27.7	27.7	7.8	7.8	16.7	16.7	62.0	61.9	4.5		14.2		9		-				-		-	
						3.6	0.4	259	27.7		7.8		16.6		61.8		4.4		14.2		8		-				-		-	
					Bottom	6.2	0.3	249	26.9	26.9	7.7	7.7	26.2	26.2	50.7	50.7	3.5	3.5	16.2		14		-				-		-	
						6.2	0.3	273	26.9		7.7		26.2		50.7		3.5		16.2		15		-				-		-	
SR5A	Cloudy	Moderate	16:14	4.5	Surface	1.0	0.1	313	27.9	27.9	7.7	7.7	16.3	16.3	68.7	68.7	4.9	4.9	12.5	12.9	8	8	-	-	816595	810685	-	-	-	-
						1.0	0.1	323	27.9		7.7		16.3		68.7		4.9		12.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	330	27.5	27.5	7.7	7.7	21.0	21.0	63.1	63.1	4.4	4.4	13.2		8		-				-		-	
						3.5	0.3	356	27.5		7.7		21.0		63.1		4.4		13.2		8		-				-		-	
SR6	Cloudy	Moderate	16:54	3.5	Surface	1.0	0.2	238	28.0	28.0	7.7	7.7	13.9	14.0	74.1	74.1	5.4	5.4	9.6	10.5	4	4	-	-	817911	814649	-	-	-	-
						1.0	0.2	249	28.0		7.7		14.0		74.0		5.4		9.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	222	27.9	27.9	7.7	7.7	15.0	15.0	76.7	76.9	5.5	5.6	11.4		4		-				-		-	
						2.5	0.2	228	27.9		7.6		15.0		77.1		5.6		11.3		4		-				-		-	
SR7	Cloudy	Moderate	16:22	17.2	Surface	1.0	0.6	241	27.5	27.5	7.6	7.6	15.6	15.6	62.2	62.2	4.5	**4.2**	6.8	8.3	4	5	-	-	823645	823760	-	-	-	-
						1.0	0.6	248	27.5		7.6		15.6		62.2		4.5		6.8		4		-				-		-	
					Middle	8.6	0.2	293	27.2	27.2	7.6	7.6	17.5	17.5	54.2	54.2	3.9		8.8		6		-				-		-	
						8.6	0.2	294	27.2		7.6		17.5		54.2		3.9		8.8		5		-				-		-	
					Bottom	16.2	0.4	313	26.8	26.8	7.6	7.6	26.3	26.3	60.6	60.6	4.2	4.2	9.4		5		-				-		-	
						16.2	0.4	324	26.8		7.6		26.3		60.6		4.2		9.4		5		-				-		-	
SR8	Cloudy	Moderate	15:32	5.1	Surface	1.0	0.1	319	27.8	27.8	7.5	7.5	9.1	9.1	72.2	72.2	5.4	5.4	7.9	8.1	6	7	-	-	820405	811576	-	-	-	-
						1.0	0.1	319	27.8		7.5		9.1		72.2		5.4		7.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	261	27.8	27.8	7.5	7.5	10.5	10.5	74.3	74.3	5.5	5.5	8.3		6		-				-		-	
						4.1	0.3	281	27.8		7.5		10.5		74.3		5.5		8.3		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 June 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	Moderate	09:20	8.3	Surface	1.0	0.8	184	27.9	27.9	7.8	7.8	10.9	10.9	62.9	62.7	4.6	3.8	8.2	10.5	6	6	68	74	815609	804264	<0.2	<0.2	1.9	2.5
						1.0	0.8	190	27.9		7.8		10.9		62.4		4.6		8.1		6		68				<0.2		2.2	
					Middle	4.2	0.8	214	27.0	27.0	7.8	7.8	25.2	25.2	42.6	42.6	2.9		10.2		7		75				<0.2		2.4	
						4.2	0.8	230	27.0		7.8		25.2		42.6		2.9		10.3		7		75				<0.2		2.2	
					Bottom	7.3	0.6	217	26.6	26.6	7.8	7.8	29.5	29.5	49.3	49.3	3.4	3.4	13.2		5		77				<0.2		3.0	
						7.3	0.6	232	26.6		7.8		29.5		49.3		3.4		13.2		5		78				<0.2		3.0	
C2	Rainy	Moderate	11:41	10.3	Surface	1.0	1.3	177	27.9	27.9	7.3	7.3	8.1	8.1	60.0	60.0	4.5	4.2	9.6	11.5	9	9	65	72	825690	806930	<0.2	<0.2	3.2	2.8
						1.0	1.4	188	27.9		7.3		8.1		60.0		4.5		9.6		7		66				<0.2		3.3	
					Middle	5.2	0.8	172	27.6	27.6	7.5	7.5	17.8	17.8	53.7	53.7	3.8		9.2		7		74				<0.2		3.2	
						5.2	0.8	173	27.6		7.5		17.8		53.7		3.8		9.2		8		75				<0.2		3.0	
					Bottom	9.3	0.2	167	26.8	26.8	7.6	7.6	24.3	24.3	47.5	47.5	3.3	3.3	15.8		12		77				<0.2		2.2	
						9.3	0.2	168	26.8		7.6		24.3		47.5		3.3		15.8		10		76				<0.2		2.1	
C3	Rainy	Moderate	09:02	13.2	Surface	1.0	0.8	114	27.1	27.1	7.6	7.6	17.6	17.6	65.6	65.6	4.7	4.5	4.7	4.1	6	7	75	76	822089	817806	<0.2	<0.2	1.8	2.0
						1.0	0.9	122	27.1		7.6		17.6		65.6		4.7		4.7		6		74				<0.2		2.0	
					Middle	6.6	0.4	106	26.8	26.8	7.6	7.6	21.2	21.2	59.9	59.9	4.3		3.9		6		77				<0.2		2.3	
						6.6	0.5	111	26.8		7.6		21.2		59.8		4.3		3.9		6		76				<0.2		2.2	
					Bottom	12.2	0.4	108	25.4	25.4	7.6	7.6	29.9	29.9	49.4	49.4	3.4	3.4	3.6		9		78				<0.2		1.8	
						12.2	0.4	116	25.4		7.6		29.9		49.4		3.4		3.6		7		78				<0.2		2.0	
IM1	Rainy	Moderate	09:46	7.1	Surface	1.0	0.8	179	27.8	27.8	7.7	7.7	13.0	13.0	62.7	62.7	4.6	**3.6**	8.7	10.1	11	13	70	74	818339	806475	<0.2	<0.2	2.6	1.8
						1.0	0.8	191	27.8		7.7		13.0		62.7		4.6		8.7		11		69				<0.2		2.6	
					Middle	3.6	0.4	166	26.9	26.9	7.8	7.8	25.8	25.9	38.1	38.2	2.6		9.4		14		76				<0.2		0.6	
						3.6	0.4	181	26.9		7.8		26.0		38.2		2.6		9.4		14		75				<0.2		0.6	
					Bottom	6.1	0.3	164	26.5	26.5	7.8	7.8	29.5	29.5	50.7	50.7	3.5	3.5	12.2		14		78				<0.2		2.1	
						6.1	0.3	176	26.5		7.8		29.5		50.7		3.5		12.2		16		77				<0.2		2.2	
IM2	Rainy	Moderate	09:57	8.0	Surface	1.0	0.7	190	27.8	27.8	7.8	7.8	12.4	12.5	60.4	60.3	4.4	**3.7**	9.7	11.1	6	8	68	73	818863	806180	<0.2	<0.2	2.6	2.5
						1.0	0.7	195	27.8		7.8		12.5		60.1		4.4		9.7		8		67				<0.2		2.4	
					Middle	4.0	0.6	193	27.2	27.2	7.8	7.8	23.6	23.6	42.6	42.6	3.0		10.4		7		75				<0.2		2.3	
						4.0	0.6	200	27.2		7.8		23.6		42.6		3.0		10.4		8		75				<0.2		2.4	
					Bottom	7.0	0.3	174	26.8	26.8	7.8	7.8	27.3	27.3	50.2	50.2	3.5	3.5	13.2		9		77				<0.2		2.5	
						7.0	0.4	179	26.8		7.8		27.3		50.2		3.5		13.2		8		77				<0.2		2.5	
IM3	Rainy	Moderate	10:06	8.2	Surface	1.0	0.7	218	28.0	28.0	7.7	7.7	12.5	12.5	51.1	50.8	3.7	**3.2**	8.3	11.2	7	7	68	73	819415	805999	<0.2	<0.2	2.5	2.4
						1.0	0.7	224	28.0		7.7		12.5		50.4		3.7		8.3		8		68				<0.2		2.5	
					Middle	4.1	0.6	222	27.4	27.4	7.8	7.8	21.3	21.2	37.7	37.7	2.7		11.6		6		73				<0.2		2.3	
						4.1	0.6	227	27.4		7.8		21.1		37.6		2.7		11.6		6		72				<0.2		2.5	
					Bottom	7.2	0.4	192	26.7	26.7	7.8	7.8	28.1	28.1	45.8	45.8	3.1	3.1	13.8		6		77				<0.2		2.2	
						7.2	0.4	206	26.7		7.8		28.1		45.8		3.1		13.8		7		77				<0.2		2.4	
IM4	Rainy	Moderate	10:15	7.5	Surface	1.0	0.7	178	28.0	28.0	7.8	7.8	12.3	12.3	66.6	66.5	4.9	4.4	7.7	9.7	6	7	70	73	819550	805050	<0.2	<0.2	2.4	2.6
						1.0	0.7	187	28.0		7.8		12.3		66.4		4.9		7.7		5		70				<0.2		2.5	
					Middle	3.8	0.4	203	27.7	27.7	8.0	8.0	16.9	17.0	54.4	54.4	3.9		9.7		6		72				<0.2		2.4	
						3.8	0.4	207	27.7		8.0		17.0		54.3		3.9		9.7		6		73				<0.2		2.7	
					Bottom	6.5	0.1	163	26.9	26.9	7.9	7.9	27.5	27.5	53.5	53.8	3.7	3.7	11.8		11		76				<0.2		2.8	
						6.5	0.1	176	26.9		7.9		27.5		54.1		3.7		11.8		9		75				<0.2		2.5	
IM5	Rainy	Moderate	10:24	6.8	Surface	1.0	0.8	195	28.0	28.0	7.7	7.7	12.4	12.4	63.5	63.4	4.6	4.2	8.8	10.2	9	9	68	72	820560	804934	<0.2	<0.2	2.5	2.6
						1.0	0.9	200	28.0		7.7		12.4		63.3		4.6		8.8		10		68				<0.2		2.3	
					Middle	3.4	0.7	201	27.9	27.9	7.7	7.7	18.9	18.9	51.7	51.7	3.7		9.8		9		74				<0.2		2.5	
						3.4	0.8	201	27.9		7.7		18.9		51.7		3.7		9.8		9		73				<0.2		2.8	
					Bottom	5.8	0.4	184	27.1	27.1	7.8	7.8	25.1	25.1	43.7	43.7	3.0	3.0	12.1		8		75				<0.2		2.6	
						5.8	0.5	200	27.1		7.8		25.1		43.7		3.0		12.1		9		75				<0.2		2.8	
IM6	Rainy	Moderate	10:36	6.5	Surface	1.0	0.6	184	28.1	28.1	7.7	7.7	11.7	11.7	63.1	63.1	4.6	4.3	9.2	11.2	5	6	68	72	821077	805810	<0.2	<0.2	2.8	2.9
						1.0	0.6	198	28.1		7.7		11.7		63.1		4.6		9.2		4		69				<0.2		2.8	
					Middle	3.3	0.4	210	28.0	28.0	7.7	7.7	13.8	13.9	53.8	53.6	3.9		10.9		8		71				<0.2		2.8	
						3.3	0.4	227	28.0		7.7		13.9		53.4		3.9		11.0		6		72				<0.2		2.9	
					Bottom	5.5	0.3	262	27.2	27.2	7.7	7.7	26.5	26.3	41.1	41.3	2.8	2.8	13.4		6		75				<0.2		2.9	
						5.5	0.4	271	27.2		7.7		26.0		41.4		2.8		13.4		6		75				<0.2		2.9	
IM7	Rainy	Moderate	10:44	7.4	Surface	1.0	0.3	209	28.1	28.1	7.6	7.6	11.9	11.9	57.2	57.0	4.2	**3.6**	9.6	10.9	8	7	68	73	821333	806820	<0.2	<0.2	2.9	2.7
						1.0	0.3	218	28.1		7.6		11.9		56.8		4.2		9.7		6		70				<0.2		2.9	
					Middle	3.7	0.4	243	27.5	27.5	7.7	7.7	21.9	21.9	43.3	43.3	3.0		10.2		6		73				<0.2		2.7	
						3.7	0.5	262	27.5		7.7		21.9		43.3		3.0		10.2		6		72				<0.2		2.6	
					Bottom	6.4	0.1	271	27.1	27.1	7.7	7.7	27.5	27.5	54.1	54.5	3.7	3.7	12.7		7		77				<0.2		2.6	
						6.4	0.1	274	27.1		7.7		27.5		54.9		3.7		12.7		7		76				<0.2		2.6	
IM8	Rainy	Moderate	11:01	7.6	Surface	1.0	0.8	186	27.8	27.8	7.5	7.5	12.6	12.6	65.6	65.6	4.8	4.1	7.5	8.9	12	17	70	74	821681	807819	<0.2	<0.2	3.0	2.8
						1.0	0.8	193	27.8		7.5		12.6		65.6		4.8		7.5		12		69				<0.2		2.7	
					Middle	3.8	0.5	194	27.2	27.2	7.6	7.6	21.5	21.5	47.6	47.6	3.4		8.8		20		76				<0.2		2.9	
						3.8	0.5	198	27.2		7.6		21.5		47.6		3.4		8.9		18		75				<0.2		3.1	
					Bottom	6.6	0.4	257	27.2	27.2	7.6	7.6	22.6	22.6	47.6	47.6	3.3	3.3	10.2		19		76				<0.2		2.7	
						6.6	0.4	282	27.2		7.6		22.6		47.6		3.3		10.2		18		77				<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 20 June 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	Moderate	10:46	6.9	Surface	1.0	0.8	158	27.8	27.8	7.5	7.5	10.4	10.4	72.6	72.6	5.4	4.7	6.7	6.3	10	9	67	73	822110	808826	<0.2	<0.2	3.0	3.0
						1.0	0.8	169	27.8		7.5		10.4		72.6		5.4		6.7		9		68				<0.2		3.2	
					Middle	3.5	0.5	145	27.5	27.5	7.6	7.6	18.5	18.5	54.5	54.5	3.9		5.3		8		75				<0.2		3.2	
						3.5	0.5	145	27.5		7.6		18.5		54.5		3.9		5.3		8		75				<0.2		3.2	
					Bottom	5.9	0.2	134	27.0	27.0	7.6	7.6	22.9	22.9	54.5	54.5	3.8	3.8	7.0		9		76				<0.2		2.6	
						5.9	0.2	143	27.0		7.6		22.9		54.5		3.8		7.0		9		76				<0.2		3.0	
IM10	Rainy	Moderate	10:35	7.4	Surface	1.0	1.0	133	27.7	27.7	7.5	7.5	10.8	10.8	72.1	72.1	5.3	5.4	6.8	9.9	8	7	67	73	822236	809844	<0.2	<0.2	2.9	2.7
						1.0	1.0	133	27.7		7.5		10.8		72.1		5.3		6.8		8		68				<0.2		2.9	
					Middle	3.7	0.7	128	27.7	27.7	7.5	7.5	17.1	17.1	75.6	75.6	5.4		6.2		6		76				<0.2		3.0	
						3.7	0.8	137	27.7		7.5		17.1		75.6		5.4		6.2		6		75				<0.2		3.0	
					Bottom	6.4	0.5	98	26.9	26.9	7.6	7.6	24.4	24.4	44.7	44.7	3.1	3.1	16.7		9		77				<0.2		2.0	
						6.4	0.5	107	26.9		7.6		24.4		44.7		3.1		16.7		7		76				<0.2		2.2	
IM11	Rainy	Moderate	10:18	8.2	Surface	1.0	0.5	85	27.7	27.7	7.5	7.5	13.5	13.5	66.3	66.3	4.8	4.2	6.1	9.5	5	5	69	74	821515	810554	<0.2	<0.2	2.4	2.4
						1.0	0.5	91	27.7		7.5		13.5		66.3		4.8		6.1		6		68				<0.2		2.4	
					Middle	4.1	0.4	107	27.3	27.3	7.7	7.7	20.6	20.7	49.0	49.0	3.5		9.6		4		76				<0.2		2.3	
						4.1	0.5	107	27.3		7.7		20.7		49.0		3.5		9.6		6		75				<0.2		2.3	
					Bottom	7.2	0.4	85	27.3	27.3	7.7	7.7	21.5	21.5	49.8	49.8	3.5	3.5	12.8		5		76				<0.2		2.6	
						7.2	0.5	87	27.3		7.7		21.5		49.8		3.5		12.8		6		77				<0.2		2.4	
IM12	Rainy	Moderate	10:05	8.7	Surface	1.0	0.5	117	27.7	27.7	7.7	7.7	12.7	12.7	63.1	63.1	4.6	4.2	9.6	9.8	4	4	67	72	821165	811522	<0.2	<0.2	2.5	2.4
						1.0	0.5	117	27.7		7.7		12.7		63.1		4.6		9.6		5		68				<0.2		2.3	
					Middle	4.4	0.5	101	27.6	27.6	7.6	7.6	17.6	17.6	53.7	53.7	3.8		7.2		3		72				<0.2		2.6	
						4.4	0.5	101	27.6		7.6		17.6		53.7		3.8		7.2		4		73				<0.2		2.5	
					Bottom	7.7	0.4	80	26.9	26.9	7.7	7.7	23.9	23.9	47.3	47.3	3.3	3.3	12.7		3		76				<0.2		2.2	
						7.7	0.5	82	26.9		7.7		23.9		47.3		3.3		12.7		4		75				<0.2		2.5	
SR2	Rainy	Moderate	09:39	4.5	Surface	1.0	0.1	102	27.8	27.8	7.5	7.5	11.4	11.4	70.3	70.3	5.2	5.2	7.0	6.5	6	6	68	70	821451	814171	<0.2	<0.2	2.5	2.6
						1.0	0.1	108	27.8		7.5		11.4		70.2		5.2		7.0		6		69				<0.2		2.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.6	70	27.7	27.7	7.6	7.6	15.4	15.7	65.6	65.7	4.7	4.7	5.9		5		71				<0.2		2.7	
						3.5	0.6	74	27.7		7.6		15.9		65.8		4.7		5.9		6		71				<0.2		2.8	
SR3	Rainy	Moderate	11:09	8.2	Surface	1.0	1.0	179	27.7	27.7	7.5	7.5	14.5	14.5	60.8	60.8	4.4	**3.9**	6.9	8.7	6	6	-	-	822155	807587	-	-	-	-
						1.0	1.1	180	27.7		7.5		14.5		60.8		4.4		6.9		4		-				-		-	
					Middle	4.1	0.5	179	27.1	27.1	7.6	7.6	22.0	22.0	46.9	46.9	3.3		7.6		5		-				-		-	
						4.1	0.5	179	27.1		7.6		22.0		46.9		3.3		7.6		6		-				-		-	
					Bottom	7.2	0.2	253	27.0	27.0	7.6	7.6	24.1	24.1	42.0	42.0	2.9	2.9	11.6		8		-				-		-	
						7.2	0.2	256	27.0		7.6		24.1		42.0		2.9		11.6		8		-				-		-	
SR4A	Rainy	Moderate	08:58	8.4	Surface	1.0	0.1	123	27.6	27.6	7.8	7.8	15.5	15.5	55.0	54.8	4.0	**3.2**	8.8	12.0	8	9	-	-	817170	807806	-	-	-	-
						1.0	0.1	133	27.6		7.8		15.5		54.5		3.9		8.8		8		-				-		-	
					Middle	4.2	0.1	281	26.7	26.7	7.8	7.8	27.9	27.9	36.7	36.7	2.5		10.8		9		-				-		-	
						4.2	0.1	291	26.7		7.8		27.9		36.7		2.5		10.8		11		-				-		-	
					Bottom	7.4	0.1	263	26.6	26.7	7.8	7.8	28.6	28.6	37.6	37.7	2.6	**2.6**	16.4		9		-				-		-	
						7.4	0.1	279	26.7		7.8		28.6		37.7		2.6		16.4		10		-				-		-	
SR5A	Rainy	Moderate	08:40	5.3	Surface	1.0	0.0	84	27.7	27.7	7.7	7.7	12.8	12.8	72.6	72.5	5.3	5.3	8.4	9.4	6	7	-	-	816591	810715	-	-	-	-
						1.0	0.0	89	27.7		7.7		12.8		72.4		5.3		8.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	343	27.4	27.4	7.6	7.6	22.6	22.6	59.9	59.9	4.2	4.2	10.4		8		-				-		-	
						4.3	0.1	349	27.4		7.6		22.6		59.9		4.2		10.4		8		-				-		-	
SR6	Rainy	Moderate	08:15	5.0	Surface	1.0	0.2	75	28.1	28.1	7.7	7.7	13.5	13.5	72.4	72.3	5.3	5.3	9.5	10.8	8	12	-	-	817897	814660	-	-	-	-
						1.0	0.2	79	28.1		7.7		13.5		72.2		5.2		9.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	3	27.3	27.3	7.6	7.6	21.5	21.5	70.7	70.7	5.0	5.0	12.1		17		-				-		-	
						4.0	0.0	3	27.3		7.6		21.5		70.7		5.0		12.1		15		-				-		-	
SR7	Rainy	Moderate	08:14	17.6	Surface	1.0	0.4	90	27.3	27.3	7.6	7.6	16.5	16.5	70.6	70.6	5.1	**4.9**	4.2	4.3	11	10	-	-	823634	823760	-	-	-	-
						1.0	0.4	98	27.3		7.5		16.4		70.6		5.1		4.2		10		-				-		-	
					Middle	8.8	1.3	290	26.9	26.9	7.6	7.6	19.3	19.3	64.8	64.8	4.6		3.9		9		-				-		-	
						8.8	1.3	302	26.9		7.6		19.3		64.8		4.6		3.9		10		-				-		-	
					Bottom	16.6	1.0	284	24.7	24.7	7.6	7.6	31.1	31.1	45.6	45.6	3.2	3.2	4.9		10		-				-		-	
						16.6	1.1	298	24.7		7.6		31.1		45.6		3.2		4.9		12		-				-		-	
SR8	Rainy	Moderate	09:57	5.6	Surface	1.0	0.6	110	27.8	27.8	7.6	7.6	11.4	11.4	65.4	65.4	4.8	4.8	6.9	8.7	6	6	-	-	820399	811591	-	-	-	-
						1.0	0.6	119	27.8		7.6		11.4		65.4		4.8		6.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.3	135	27.5	27.5	7.6	7.6	17.8	17.8	71.8	71.8	5.1	5.1	10.4		6		-				-		-	
						4.6	0.3	139	27.5		7.6		17.8		71.8		5.1		10.4		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 June 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	17:48	8.5	Surface	1.0	0.9	209	27.9	27.9	7.5	7.5	14.9	14.9	67.7	67.7	4.9	4.9	12.1	16.8	12	14	68	73	815608	804230	<0.2	<0.2	1.8	1.8
						1.0	1.0	212	27.9		7.5		14.9		67.6		4.9		12.3		13		68				<0.2		1.9	
					Middle	4.3	0.8	214	28.0	28.0	7.5	7.5	14.9	14.9	66.0	65.9	4.8		16.9		14		73				<0.2		1.8	
						4.3	0.8	229	28.0		7.5		14.9		65.8		4.8		17.1		16		74				<0.2		1.8	
					Bottom	7.5	0.5	210	26.9	26.9	7.6	7.6	23.4	23.4	59.7	59.7	4.2	4.2	20.9		15		76				<0.2		1.8	
						7.5	0.6	215	26.9		7.6		23.4		59.7		4.2		21.2		14		77				<0.2		1.9	
C2	Cloudy	Moderate	16:31	9.0	Surface	1.0	1.6	177	28.3	28.3	7.4	7.4	9.4	9.4	59.9	59.9	4.4	3.9	9.2	14.1	11	12	63	69	825679	806931	<0.2	<0.2	3.9	3.5
						1.0	1.7	184	28.3		7.4		9.4		59.9		4.4		9.2		11		64				<0.2		3.7	
					Middle	4.5	1.2	172	27.9	27.9	7.4	7.4	12.5	12.5	47.1	47.1	3.5		11.4		10		67				<0.2		3.5	
						4.5	1.3	176	27.9		7.4		12.5		47.0		3.4		11.4		12		70				<0.2		3.7	
					Bottom	8.0	0.5	172	27.1	27.1	7.5	7.5	18.2	18.2	42.1	42.1	3.0	3.0	21.6		12		73				<0.2		3.1	
						8.0	0.5	178	27.1		7.5		18.2		42.1		3.0		21.6		14		75				<0.2		2.8	
C3	Cloudy	Moderate	18:21	13.2	Surface	1.0	0.5	295	28.5	28.5	7.7	7.7	13.4	13.4	70.7	70.7	5.1	4.8	9.3	9.4	6	7	67	73	822117	817800	<0.2	<0.2	2.7	2.6
						1.0	0.5	313	28.5		7.7		13.4		70.7		5.1		9.3		4		70				<0.2		2.6	
					Middle	6.6	0.4	267	27.9	27.9	7.7	7.7	15.5	15.5	62.4	62.4	4.5		8.3		7		74				<0.2		2.6	
						6.6	0.4	268	27.9		7.7		15.5		62.4		4.5		8.3		8		74				<0.2		2.8	
					Bottom	12.2	0.2	297	26.7	26.7	7.7	7.7	21.6	21.6	51.7	51.7	3.7	3.7	10.6		8		75				<0.2		2.5	
						12.2	0.2	300	26.7		7.7		21.6		51.7		3.7		10.6		7		76				<0.2		2.6	
IM1	Cloudy	Moderate	17:27	7.1	Surface	1.0	1.0	181	28.0	28.0	7.5	7.5	14.2	14.2	67.5	67.5	4.9	4.8	11.2	15.7	16	17	65	69	818370	806455	<0.2	<0.2	2.0	2.1
						1.0	1.1	182	28.0		7.5		14.2		67.4		4.9		11.3		17		66				<0.2		2.0	
					Middle	3.6	0.9	181	27.7	27.7	7.6	7.6	14.7	14.7	63.2	63.2	4.6		16.4		18		69				<0.2		2.1	
						3.6	1.0	190	27.7		7.6		14.7		63.2		4.6		16.5		17		70				<0.2		2.1	
					Bottom	6.1	0.5	190	27.3	27.3	7.6	7.6	20.7	20.7	61.5	61.5	4.4	4.4	19.3		17		72				<0.2		2.2	
						6.1	0.6	205	27.3		7.6		20.7		61.5		4.4		19.2		17		71				<0.2		2.0	
IM2	Cloudy	Moderate	17:19	8.1	Surface	1.0	1.2	215	28.0	28.0	7.5	7.5	13.4	13.4	65.6	65.6	4.8	4.8	10.6	15.0	10	11	70	72	818843	806202	<0.2	<0.2	2.1	2.0
						1.0	1.2	234	28.0		7.5		13.4		65.6		4.8		10.7		10		70				<0.2		2.1	
					Middle	4.1	1.2	218	27.9	27.9	7.5	7.5	14.3	14.3	66.0	66.0	4.8		15.7		9		72				<0.2		2.0	
						4.1	1.2	235	27.9		7.5		14.3		66.0		4.8		15.4		10		73				<0.2		2.0	
					Bottom	7.1	0.9	213	27.9	27.9	7.5	7.5	14.3	14.3	66.3	66.3	4.8	4.8	18.9		13		73				<0.2		1.8	
						7.1	1.0	218	27.9		7.5		14.3		66.3		4.8		18.7		14		74				<0.2		2.0	
IM3	Cloudy	Moderate	17:14	7.4	Surface	1.0	1.1	211	28.0	28.0	7.5	7.5	13.8	13.8	67.1	67.1	4.9	4.9	11.9	16.6	8	11	67	71	819418	806023	<0.2	<0.2	1.8	2.0
						1.0	1.2	217	28.0		7.5		13.8		67.1		4.9		12.2		9		67				<0.2		1.8	
					Middle	3.7	1.1	210	27.9	27.9	7.5	7.5	14.1	14.1	65.8	65.8	4.8		17.5		8		71				<0.2		1.9	
						3.7	1.1	210	27.9		7.5		14.1		65.8		4.8		17.6		10		71				<0.2		2.2	
					Bottom	6.4	0.8	215	27.9	27.9	7.5	7.5	14.5	14.5	66.2	66.2	4.8	4.8	20.1		14		75				<0.2		2.1	
						6.4	0.9	220	27.9		7.5		14.5		66.2		4.8		20.3		16		75				<0.2		2.2	
IM4	Cloudy	Moderate	17:06	7.6	Surface	1.0	1.1	207	28.0	28.0	7.5	7.5	13.9	13.9	66.5	66.5	4.8	4.8	10.7	15.5	8	11	67	73	819556	805040	<0.2	<0.2	2.3	2.3
						1.0	1.2	211	28.0		7.5		13.9		66.5		4.8		10.8		8		68				<0.2		2.4	
					Middle	3.8	1.1	199	27.9	27.9	7.5	7.5	14.2	14.2	65.3	65.3	4.7		16.1		8		75				<0.2		2.2	
						3.8	1.1	217	27.9		7.5		14.2		65.3		4.7		16.2		10		75				<0.2		2.4	
					Bottom	6.6	1.0	189	27.8	27.8	7.5	7.5	14.5	14.5	65.6	65.6	4.8	4.8	19.5		17		78				<0.2		2.2	
						6.6	1.0	201	27.8		7.5		14.5		65.6		4.8		19.7		17		77				<0.2		2.2	
IM5	Cloudy	Moderate	16:58	6.9	Surface	1.0	0.9	228	28.0	28.0	7.5	7.5	13.7	13.7	67.3	67.3	4.9	4.9	11.5	15.2	20	13	67	71	820575	804909	<0.2	<0.2	2.3	2.3
						1.0	0.9	233	28.0		7.5		13.7		67.3		4.9		11.2		20		67				<0.2		2.4	
					Middle	3.5	1.0	238	27.9	27.9	7.5	7.5	14.1	14.1	66.1	66.1	4.8		14.3		11		71				<0.2		2.6	
						3.5	1.1	254	27.9		7.5		14.1		66.1		4.8		14.5		10		71				<0.2		2.3	
					Bottom	5.9	0.9	248	27.9	27.9	7.5	7.5	14.5	14.5	65.9	66.0	4.8	4.8	19.8		10		75				<0.2		1.9	
						5.9	0.9	269	27.9		7.5		14.5		66.0		4.8		20.1		9		75				<0.2		2.1	
IM6	Cloudy	Moderate	16:50	6.5	Surface	1.0	0.5	228	28.1	28.1	7.5	7.5	14.3	14.3	66.3	65.4	4.8	4.6	10.4	13.0	10	13	68	71	821056	805841	<0.2	<0.2	2.1	2.0
						1.0	0.6	233	28.0		7.5		14.3		64.4		4.7		10.3		8		67				<0.2		1.9	
					Middle	3.3	0.7	227	27.5	27.5	7.5	7.5	17.6	17.6	62.1	62.1	4.4		12.6		10		69				<0.2		1.9	
						3.3	0.8	227	27.5		7.5		17.6		62.1		4.4		12.5		10		69				<0.2		2.1	
					Bottom	5.5	0.5	235	27.3	27.3	7.4	7.4	18.5	18.5	60.6	60.6	4.3	4.3	16.1		20		75				<0.2		2.0	
						5.5	0.5	241	27.3		7.4		18.5		60.6		4.3		16.2		19		75				<0.2		2.1	
IM7	Cloudy	Moderate	16:30	7.8	Surface	1.0	1.1	213	27.9	28.0	7.3	7.3	13.6	13.6	59.9	60.0	4.4	4.1	10.9	15.0	10	9	67	73	821366	806847	<0.2	<0.2	3.2	3.2
						1.0	1.2	226	28.0		7.3		13.5		60.0		4.4		10.8		10		67				<0.2		3.2	
					Middle	3.9	1.0	223	27.2	27.2	7.4	7.4	16.9	16.9	52.9	53.0	3.8		15.3		8		74				<0.2		3.3	
						3.9	1.0	233	27.2		7.4		16.9		53.0		3.8		15.4		10		74				<0.2		3.1	
					Bottom	6.8	0.8	230	27.5	27.5	7.3	7.3	15.6	15.6	65.0	65.0	4.7	4.7	18.6		9		77				<0.2		3.2	
						6.8	0.8	236	27.5		7.3		15.6		65.0		4.7		18.7		8		77				<0.2		3.3	
IM8	Cloudy	Moderate	16:52	7.8	Surface	1.0	1.0	195	28.0	28.0	7.5	7.5	12.1	12.1	57.3	57.3	4.2	**4.0**	14.4	17.8	10	12	65	71	821675	807825	<0.2	<0.2	3.0	3.0
						1.0	1.1	196	28.0		7.5		12.1		57.3		4.2		14.4		11		66				<0.2		2.9	
					Middle	3.9	0.7	221	27.7	27.7	7.5	7.5	13.9	13.9	52.0	52.0	3.8		17.4		15		72				<0.2		2.9	
						3.9	0.7	237	27.7		7.5		13.9		51.9		3.8		17.4		13		71				<0.2		2.9	
					Bottom	6.8	0.5	252	27.5	27.5	7.5	7.5	15.4	15.4	56.0	56.0	4.1	4.1	21.5		13		75				<0.2		3.0	
						6.8	0.5	271	27.5		7.5		15.4		56.0		4.1		21.5		12		74				<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 22 June 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	17:05	6.8	Surface	1.0	0.6	170	27.8	27.8	7.5	7.5	13.9	13.9	50.9	50.9	3.7	**3.7**	19.8	18.6	11	13	67	70	822082	808821	<0.2	<0.2	3.3	2.7
						1.0	0.7	176	27.8		7.5		13.9		50.9		3.7		19.8		10		66				<0.2		3.2	
					Middle	3.4	0.3	185	27.6	27.6	7.5	7.5	14.8	14.8	49.9	49.9	3.6		17.2		13		69				<0.2		2.5	
						3.4	0.3	195	27.6		7.5		14.7		49.9		3.6		17.1		13		68				<0.2		2.6	
					Bottom	5.8	0.2	185	27.5	27.5	7.5	7.5	15.4	15.4	50.5	50.5	3.7	3.7	18.8		15		74				<0.2		2.4	
						5.8	0.2	200	27.5		7.5		15.4		50.5		3.7		18.8		17		73				<0.2		2.4	
IM10	Cloudy	Moderate	17:17	7.2	Surface	1.0	0.8	144	28.5	28.5	7.5	7.5	9.1	9.1	65.3	65.3	4.8	4.8	16.9	19.4	13	16	64	67	822254	809849	<0.2	<0.2	3.4	3.2
						1.0	0.9	152	28.5		7.5		9.1		65.3		4.8		16.9		14		66				<0.2		3.2	
					Middle	3.6	0.5	132	28.3	28.3	7.5	7.5	10.6	10.6	64.2	64.2	4.7		19.1		16		67				<0.2		3.3	
						3.6	0.6	144	28.3		7.5		10.6		64.2		4.7		19.1		15		67				<0.2		3.4	
					Bottom	6.2	0.4	105	28.1	28.1	7.5	7.5	11.7	11.7	60.1	60.1	4.4	4.4	22.3		19		70				<0.2		2.9	
						6.2	0.4	109	28.1		7.5		11.7		60.1		4.4		22.3		17		70				<0.2		2.8	
IM11	Cloudy	Moderate	17:27	8.4	Surface	1.0	0.5	137	28.2	28.2	7.5	7.5	11.7	11.7	60.7	60.7	4.4	4.2	13.9	14.8	10	11	69	72	821514	810526	<0.2	<0.2	3.4	3.1
						1.0	0.6	145	28.2		7.5		11.7		60.7		4.4		13.9		9		70				<0.2		3.4	
					Middle	4.2	0.3	103	27.7	27.7	7.6	7.6	14.4	14.4	54.4	54.4	4.0		14.9		11		72				<0.2		2.9	
						4.2	0.3	108	27.7		7.6		14.4		54.4		4.0		14.9		11		73				<0.2		3.0	
					Bottom	7.4	0.2	74	27.7	27.7	7.5	7.5	14.9	14.9	55.1	55.1	4.0	4.0	15.5		12		73				<0.2		2.8	
						7.4	0.2	78	27.7		7.5		14.9		55.1		4.0		15.5		11		74				<0.2		3.1	
IM12	Cloudy	Moderate	17:34	9.0	Surface	1.0	0.4	110	28.7	28.7	7.6	7.6	9.2	9.2	70.6	70.6	5.2	4.9	11.6	12.0	8	8	65	69	821175	811519	<0.2	<0.2	3.4	3.2
						1.0	0.4	118	28.7		7.6		9.2		70.6		5.2		11.6		7		66				<0.2		3.2	
					Middle	4.5	0.3	60	28.3	28.3	7.6	7.6	11.6	11.6	63.7	63.6	4.7		11.7		8		69				<0.2		3.1	
						4.5	0.3	65	28.3		7.6		11.5		63.4		4.6		11.7		8		70				<0.2		3.2	
					Bottom	8.0	0.2	349	27.9	27.9	7.6	7.6	13.7	13.7	61.3	61.3	4.5	4.5	12.7		7		72				<0.2		3.2	
						8.0	0.2	321	27.9		7.6		13.7		61.3		4.5		12.7		8		71				<0.2		3.2	
SR2	Cloudy	Moderate	17:56	4.8	Surface	1.0	0.2	63	29.2	29.2	7.6	7.6	8.7	8.7	77.4	77.4	5.7	5.7	9.1	9.5	3	4	64	66	821479	814184	<0.2	<0.2	3.4	3.3
						1.0	0.2	66	29.2		7.6		8.7		77.4		5.7		9.1		3		65				<0.2		3.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	68	28.7	28.7	7.5	7.5	11.0	11.0	73.1	73.1	5.3	5.3	9.9		5		67				<0.2		3.2	
						3.8	0.2	72	28.7		7.5		11.0		73.1		5.3		9.9		4		68				<0.2		3.1	
SR3	Cloudy	Moderate	16:46	7.9	Surface	1.0	1.1	186	28.2	28.2	7.5	7.5	9.2	9.2	61.3	61.3	4.5	4.1	14.5	17.3	10	10	-	-	822166	807562	-	-	-	-
						1.0	1.2	193	28.2		7.5		9.2		61.3		4.5		14.5		10		-				-		-	
					Middle	4.0	0.7	204	27.6	27.6	7.5	7.5	14.2	14.2	50.2	50.2	3.7		17.3		9		-				-		-	
						4.0	0.7	221	27.6		7.5		14.2		50.2		3.7		17.3		9		-				-		-	
					Bottom	6.9	0.5	236	27.5	27.5	7.5	7.5	15.2	15.2	48.7	48.7	3.5	3.5	20.0		9		-				-		-	
						6.9	0.5	245	27.5		7.5		15.2		48.7		3.5		20.0		10		-				-		-	
SR4A	Cloudy	Moderate	18:10	9.0	Surface	1.0	1.0	267	28.0	28.0	7.5	7.5	18.6	18.6	69.9	69.9	4.9	4.7	8.6	10.8	12	14	-	-	817193	807795	-	-	-	-
						1.0	1.0	289	28.0		7.5		18.6		69.9		4.9		8.4		13		-				-		-	
					Middle	4.5	1.0	267	27.6	27.6	7.5	7.5	19.4	19.4	63.7	63.7	4.5		10.5		13		-				-		-	
						4.5	1.0	288	27.6		7.5		19.4		63.7		4.5		10.6		14		-				-		-	
					Bottom	8.0	0.9	268	27.2	27.2	7.6	7.6	22.8	22.8	69.5	69.7	4.9	4.9	13.4		14		-				-		-	
						8.0	0.9	278	27.2		7.6		22.8		69.9		4.9		13.4		15		-				-		-	
SR5A	Cloudy	Moderate	18:28	4.6	Surface	1.0	0.7	290	27.7	27.7	7.5	7.5	18.7	18.7	63.9	63.9	4.5	4.5	8.5	9.7	14	13	-	-	816598	810694	-	-	-	-
						1.0	0.7	298	27.7		7.5		18.7		63.9		4.5		8.7		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.5	297	27.6	27.6	7.5	7.5	19.2	19.2	84.5	85.4	6.0	6.1	10.9		13		-				-		-	
						3.6	0.6	314	27.6		7.5		19.2		86.2		6.1		10.8		13		-				-		-	
SR6	Cloudy	Moderate	18:52	4.2	Surface	1.0	0.2	228	28.0	28.0	7.5	7.5	16.5	16.5	71.5	71.5	5.1	5.1	7.6	8.7	14	14	-	-	817909	814659	-	-	-	-
						1.0	0.2	231	28.0		7.5		16.5		71.5		5.1		7.7		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	250	28.0	28.0	7.5	7.5	16.7	16.7	68.0	68.0	4.9	4.9	9.6		14		-				-		-	
						3.2	0.2	267	28.0		7.5		16.7		67.9		4.8		9.7		14		-				-		-	
SR7	Cloudy	Moderate	19:00	16.6	Surface	1.0	0.2	210	28.6	28.6	7.8	7.8	13.8	13.8	76.5	76.5	5.5	**4.6**	6.6	9.1	3	5	-	-	823636	823754	-	-	-	-
						1.0	0.2	218	28.6		7.8		13.8		76.5		5.5		6.6		3		-				-		-	
					Middle	8.3	0.1	102	26.6	26.6	7.8	7.8	21.7	21.7	50.1	50.1	3.6		10.2		6		-				-		-	
						8.3	0.1	107	26.6		7.8		21.7		50.1		3.6		10.2		6		-				-		-	
					Bottom	15.6	0.2	54	26.2	26.2	7.7	7.7	25.5	25.5	56.4	56.4	4.0	4.0	10.5		6		-				-		-	
						15.6	0.2	55	26.2		7.7		25.5		56.4		4.0		10.5		7		-				-		-	
SR8	Cloudy	Moderate	17:44	5.2	Surface	1.0	0.2	89	28.9	28.9	7.6	7.6	8.9	8.9	75.8	75.8	5.6	5.6	10.1	10.0	5	6	-	-	820430	811596	-	-	-	-
						1.0	0.2	92	28.9		7.6		8.9		75.8		5.6		10.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	49	28.9	28.9	7.6	7.6	10.1	10.1	76.7	76.7	5.6	5.6	9.8		6		-				-		-	
						4.2	0.1	49	28.9		7.6		10.1		76.7		5.6		9.8		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 22 June 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	10:58	8.8	Surface	1.0	0.7	212	28.2	28.2	7.7	7.7	13.6	13.6	79.3	79.3	5.7	5.0	6.0	11.2	5	5	66	71	815600	804252	<0.2	<0.2	2.0	2.1
						1.0	0.7	212	28.2		7.7		13.6		79.3		5.7		6.0		5		66				<0.2		2.0	
					Middle	4.4	1.0	210	27.2	27.3	7.6	7.6	21.5	21.5	59.7	59.7	4.2		8.3		5		72				<0.2		2.2	
						4.4	1.1	210	27.3		7.6		21.5		59.7		4.2		8.4		5		71				<0.2		1.9	
					Bottom	7.8	0.6	250	26.5	26.5	7.6	7.6	24.3	24.6	48.2	48.2	3.4	3.4	19.3		6		75				<0.2		2.2	
						7.8	0.6	250	26.5		7.6		24.8		48.2		3.4		19.3		5		75				<0.2		2.1	
C2	Cloudy	Moderate	13:16	10.7	Surface	1.0	1.7	178	28.7	28.7	7.5	7.5	7.1	7.1	63.7	63.7	4.7	4.0	8.8	15.9	10	9	62	68	825668	806932	<0.2	<0.2	3.6	3.7
						1.0	1.7	186	28.7		7.5		7.1		63.7		4.7		8.8		10		63				<0.2		3.8	
					Middle	5.4	1.3	172	27.7	27.7	7.5	7.5	13.0	13.0	44.9	44.9	3.3		14.2		9		66				<0.2		3.7	
						5.4	1.3	172	27.7		7.5		13.0		44.9		3.3		14.2		8		66				<0.2		3.8	
					Bottom	9.7	0.5	174	26.9	26.9	7.6	7.6	20.1	20.1	44.0	44.0	3.1	3.1	24.7		10		75				<0.2		3.5	
						9.7	0.5	180	26.9		7.6		20.1		44.0		3.1		24.7		9		74				<0.2		3.5	
C3	Cloudy	Moderate	11:10	12.6	Surface	1.0	0.4	109	27.2	27.2	7.8	7.8	18.7	18.7	60.6	60.6	4.3	4.2	8.5	10.3	8	8	66	71	822107	817786	<0.2	<0.2	2.7	2.5
						1.0	0.5	116	27.2		7.8		18.7		60.6		4.3		8.5		6		67				<0.2		2.7	
					Middle	6.3	0.4	19	26.9	26.9	7.8	7.8	19.5	19.5	57.1	57.1	4.1		9.8		7		71				<0.2		2.5	
						6.3	0.4	20	26.9		7.8		19.5		57.1		4.1		9.8		6		72				<0.2		2.4	
					Bottom	11.6	0.3	47	26.2	26.2	7.8	7.8	25.7	25.7	61.9	61.9	4.3	4.3	12.6		10		74				<0.2		2.3	
						11.6	0.3	48	26.2		7.8		25.7		61.9		4.3		12.6		8		75				<0.2		2.4	
IM1	Cloudy	Rough	11:22	7.2	Surface	1.0	0.9	196	27.8	27.8	7.6	7.6	18.9	19.5	63.0	62.9	4.5	**4.0**	13.1	14.7	4	15	65	69	818345	806471	<0.2	<0.2	2.8	1.7
						1.0	1.0	211	27.8		7.6		20.0		62.7		4.4		13.0		5		65				<0.2		2.8	
					Middle	3.6	0.7	195	26.2	26.2	7.6	7.6	27.5	27.5	52.0	52.3	3.6		14.3		20		70				<0.2		1.4	
						3.6	0.7	199	26.2		7.6		27.5		52.5		3.6		14.5		21		69				<0.2		1.4	
					Bottom	6.2	0.3	268	26.1	26.2	7.6	7.6	29.4	29.4	61.6	61.9	4.2	4.3	16.8		19		72				<0.2		0.9	
						6.2	0.3	288	26.2		7.6		29.3		62.2		4.3		16.5		19		72				<0.2		0.8	
IM2	Cloudy	Rough	11:31	8.0	Surface	1.0	1.0	193	28.3	28.3	7.6	7.6	12.5	12.5	74.6	74.5	5.4	4.5	6.6	16.3	5	11	65	69	818842	806182	<0.2	<0.2	2.2	2.2
						1.0	1.0	210	28.3		7.6		12.5		74.4		5.4		6.6		6		66				<0.2		2.1	
					Middle	4.0	0.9	200	27.2	27.2	7.6	7.6	18.9	18.9	49.9	49.9	3.6		17.5		8		69				<0.2		2.2	
						4.0	1.0	219	27.1		7.6		18.9		49.8		3.6		17.7		10		69				<0.2		2.3	
					Bottom	7.0	0.2	165	26.3	26.3	7.6	7.6	28.0	28.0	43.4	43.4	3.0	3.0	24.6		17		73				<0.2		2.1	
						7.0	0.2	165	26.3		7.6		27.9		43.4		3.0		24.6		17		73				<0.2		2.1	
IM3	Cloudy	Rough	11:45	7.3	Surface	1.0	0.9	203	28.5	28.5	7.6	7.6	13.0	13.0	71.2	71.0	5.1	4.6	7.8	15.1	6	8	66	69	819416	806001	<0.2	<0.2	2.3	2.4
						1.0	0.9	218	28.5		7.6		13.0		70.8		5.1		7.9		7		65				<0.2		2.4	
					Middle	3.7	1.0	214	27.5	27.5	7.5	7.5	16.5	16.5	55.0	55.0	4.0		13.9		6		65				<0.2		2.4	
						3.7	1.0	220	27.5		7.5		16.5		54.9		4.0		14.1		8		65				<0.2		2.5	
					Bottom	6.3	0.5	211	26.9	26.9	7.6	7.6	21.7	21.7	47.2	47.2	3.3	3.3	23.2		9		77				<0.2		2.3	
						6.3	0.5	212	26.9		7.6		21.7		47.2		3.3		23.4		9		77				<0.2		2.4	
IM4	Cloudy	Moderate	11:54	7.5	Surface	1.0	0.8	181	28.4	28.4	7.6	7.6	12.5	12.5	76.7	76.6	5.6	5.1	7.1	17.1	5	10	65	69	819589	805055	<0.2	<0.2	2.7	2.6
						1.0	0.9	182	28.4		7.6		12.5		76.4		5.5		7.3		7		65				<0.2		2.7	
					Middle	3.8	0.6	188	27.9	27.9	7.6	7.6	15.3	15.3	64.6	64.5	4.7		19.5		7		70				<0.2		2.7	
						3.8	0.6	201	27.9		7.6		15.3		64.4		4.6		19.5		6		69				<0.2		2.7	
					Bottom	6.5	0.4	203	27.1	27.1	7.6	7.6	20.9	20.9	56.3	56.4	4.0	4.0	24.5		18		72				<0.2		2.2	
						6.5	0.4	208	27.1		7.6		20.9		56.5		4.0		24.6		16		72				<0.2		2.3	
IM5	Cloudy	Moderate	12:03	6.9	Surface	1.0	0.9	198	28.4	28.4	7.6	7.6	12.1	12.1	77.1	77.1	5.6	5.2	6.0	13.2	6	8	65	69	820581	804940	<0.2	<0.2	2.5	2.6
						1.0	0.9	213	28.4		7.6		12.1		77.0		5.6		6.0		8		66				<0.2		2.5	
					Middle	3.5	1.0	208	27.8	27.8	7.5	7.5	14.8	14.8	65.5	65.5	4.7		9.3		7		69				<0.2		2.6	
						3.5	1.0	219	27.8		7.5		14.8		65.5		4.7		9.4		7		69				<0.2		2.7	
					Bottom	5.9	0.7	215	27.0	27.1	7.5	7.5	21.1	21.1	64.6	64.9	4.6	4.6	24.5		9		73				<0.2		2.5	
						5.9	0.7	221	27.1		7.5		21.1		65.2		4.6		24.1		9		72				<0.2		2.6	
IM6	Cloudy	Moderate	12:15	6.4	Surface	1.0	0.4	197	28.6	28.6	7.6	7.6	12.1	12.1	79.4	79.4	5.8	5.2	6.3	10.6	6	10	66	69	821069	805833	<0.2	<0.2	2.5	2.4
						1.0	0.4	206	28.6		7.6		12.1		79.3		5.7		6.3		5		66				<0.2		2.8	
					Middle	3.2	0.7	220	27.5	27.5	7.3	7.3	15.6	15.6	65.0	65.0	4.7		10.9		6		70				<0.2		2.6	
						3.2	0.8	221	27.5		7.3		15.6		65.0		4.7		10.8		6		69				<0.2		2.6	
					Bottom	5.4	0.6	227	27.0	27.0	7.5	7.5	20.7	20.8	53.4	53.5	3.8	3.8	14.5		19		72				<0.2		1.8	
						5.4	0.6	236	27.0		7.5		20.8		53.5		3.8		14.6		17		72				<0.2		1.9	
IM7	Cloudy	Rough	12:25	7.6	Surface	1.0	0.7	224	28.1	28.1	7.5	7.5	13.4	13.5	66.9	66.9	4.9	4.9	7.5	16.1	5	15	65	72	821354	806847	<0.2	<0.2	2.4	2.3
						1.0	0.7	243	28.1		7.5		13.5		66.8		4.9		7.6		7		66				<0.2		2.6	
					Middle	3.8	0.7	234	27.0	27.0	7.5	7.5	19.3	19.3	65.3	67.4	4.7		16.7		19		74				<0.2		2.4	
						3.8	0.7	235	27.0		7.5		19.3		69.4		5.0		16.2		21		74				<0.2		2.3	
					Bottom	6.6	0.5	243	26.7	26.7	7.5	7.5	21.0	21.0	56.2	56.4	4.0	4.0	24.1		20		77				<0.2		2.2	
						6.6	0.5	246	26.7		7.5		21.0		56.5		4.0		24.2		19		77				<0.2		2.0	
IM8	Cloudy	Moderate	12:45	7.7	Surface	1.0	1.0	191	28.5	28.5	7.7	7.7	11.0	11.0	73.0	73.0	5.3	4.6	8.6	15.1	8	9	65	72	821686	807856	<0.2	<0.2	2.5	2.3
						1.0	1.1	207	28.5		7.7		11.0		73.0		5.3		8.6		7		66				<0.2		2.3	
					Middle	3.9	0.7	198	27.3	27.3	7.6	7.6	17.3	17.3	52.6	52.6	3.8		13.9		8		73				<0.2		2.3	
						3.9	0.8	208	27.3		7.6		17.3		52.6		3.8		13.9		8		73				<0.2		2.3	
					Bottom	6.7	0.5	235	27.1	27.1	7.6	7.6	19.4	19.4	50.7	50.7	3.6	3.6	22.9		11		77				<0.2		2.3	
						6.7	0.5	238	27.1		7.6		19.4		50.7		3.6		22.9		9		76				<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 22 June 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	12:36	6.8	Surface	1.0	0.9	162	28.5	28.5	7.7	7.7	10.7	10.7	75.3	75.3	5.5	4.5	8.5	16.6	5	10	65	69	822092	808806	<0.2	<0.2	2.5	2.3
						1.0	0.9	163	28.5		7.7		10.7		75.3		5.5		8.5		5		66				<0.2		2.6	
					Middle	3.4	0.6	161	27.1	27.1	7.7	7.7	19.0	19.0	49.1	49.1	3.5		18.8		19		69				<0.2		2.0	
						3.4	0.6	175	27.1		7.7		19.0		49.1		3.5		18.8		18		70				<0.2		1.9	
					Bottom	5.8	0.3	162	27.0	27.0	7.7	7.7	19.8	19.8	48.4	48.4	3.5	3.5	22.4		5		72				<0.2		2.3	
						5.8	0.3	162	27.0		7.7		19.8		48.4		3.5		22.4		7		73				<0.2		2.6	
IM10	Cloudy	Moderate	12:29	7.8	Surface	1.0	1.0	137	28.5	28.5	7.7	7.7	11.0	11.0	75.1	75.1	5.5	4.5	8.4	16.3	5	6	66	72	822233	809819	<0.2	<0.2	2.6	2.7
						1.0	1.0	138	28.5		7.7		11.0		75.1		5.5		8.4		5		67				<0.2		2.6	
					Middle	3.9	0.7	126	27.1	27.1	7.7	7.7	19.0	19.0	49.1	49.1	3.5		17.2		5		74				<0.2		2.8	
						3.9	0.7	133	27.1		7.7		19.0		49.1		3.5		17.1		7		75				<0.2		2.9	
					Bottom	6.8	0.5	113	26.9	26.9	7.7	7.7	20.1	20.1	46.7	46.7	3.3	3.3	23.4		7		76				<0.2		2.6	
						6.8	0.5	123	26.9		7.7		20.1		46.7		3.3		23.4		6		75				<0.2		2.7	
IM11	Cloudy	Moderate	12:18	8.7	Surface	1.0	0.7	121	28.3	28.3	7.6	7.6	11.9	11.9	70.2	70.2	5.1	4.9	7.4	14.2	4	7	65	70	821500	810525	<0.2	<0.2	3.4	2.9
						1.0	0.7	130	28.3		7.6		11.9		70.2		5.1		7.4		5		66				<0.2		3.3	
					Middle	4.4	0.6	119	28.0	28.0	7.6	7.6	12.5	12.5	64.2	64.2	4.7		8.5		5		69				<0.2		2.9	
						4.4	0.6	119	28.0		7.6		12.5		64.2		4.7		8.5		5		70				<0.2		3.0	
					Bottom	7.7	0.5	96	27.3	27.3	7.7	7.7	18.1	18.1	48.7	48.7	3.5	3.5	26.8		11		73				<0.2		2.0	
						7.7	0.5	99	27.3		7.7		18.1		48.7		3.5		26.8		11		75				<0.2		2.5	
IM12	Cloudy	Moderate	12:07	9.2	Surface	1.0	0.8	106	28.4	28.4	7.6	7.6	12.3	12.3	68.9	68.9	5.0	4.6	7.8	12.1	7	6	66	70	821165	811503	<0.2	<0.2	2.6	2.6
						1.0	0.8	108	28.4		7.6		12.3		68.9		5.0		7.8		5		67				<0.2		2.6	
					Middle	4.6	0.7	98	27.8	27.8	7.6	7.6	14.3	14.3	57.0	57.0	4.1		10.6		6		68				<0.2		2.5	
						4.6	0.7	101	27.8		7.6		14.3		57.0		4.1		10.7		5		70				<0.2		2.6	
					Bottom	8.2	0.3	75	27.5	27.5	7.8	7.8	17.0	17.0	57.3	57.3	4.1	4.1	17.8		6		74				<0.2		2.6	
						8.2	0.3	81	27.5		7.8		17.0		57.3		4.1		17.8		5		73				<0.2		2.5	
SR2	Cloudy	Moderate	11:40	5.1	Surface	1.0	0.7	75	28.3	28.3	7.7	7.7	12.4	12.4	69.4	69.4	5.0	5.0	9.0	10.6	4	5	65	69	821448	814166	<0.2	<0.2	2.4	2.5
						1.0	0.7	77	28.3		7.7		12.4		69.4		5.0		9.0		5		66				<0.2		2.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.4	45	27.3	27.3	7.7	7.7	17.5	17.5	58.1	58.1	4.2	4.2	12.1		6		72				<0.2		2.6	
						4.1	0.4	46	27.3		7.7		17.5		58.1		4.2		12.1		4		73				<0.2		2.6	
SR3	Cloudy	Moderate	12:49	7.9	Surface	1.0	1.1	176	27.8	27.8	7.6	7.6	15.2	15.2	59.2	59.2	4.3	**3.9**	8.4	14.5	7	14	-	-	822143	807551	-	-	-	-
						1.0	1.2	189	27.8		7.6		15.2		59.2		4.3		8.4		5		-				-		-	
					Middle	4.0	0.8	196	27.2	27.2	7.6	7.6	18.1	18.1	48.8	48.8	3.5		13.5		15		-				-		-	
						4.0	0.8	210	27.2		7.6		18.1		48.8		3.5		13.5		17		-				-		-	
					Bottom	6.9	0.5	217	27.1	27.1	7.6	7.6	18.7	18.7	48.0	48.0	3.4	3.4	21.5		18		-				-		-	
						6.9	0.5	221	27.1		7.6		18.7		48.0		3.4		21.5		20		-				-		-	
SR4A	Cloudy	Moderate	10:32	9.2	Surface	1.0	0.2	51	28.2	28.2	7.6	7.6	14.2	14.3	70.7	70.6	5.1	4.6	7.1	15.0	7	14	-	-	817191	807795	-	-	-	-
						1.0	0.2	54	28.2		7.6		14.3		70.4		5.1		7.2		5		-				-		-	
					Middle	4.6	0.2	39	26.3	26.3	7.6	7.6	28.4	28.4	59.7	59.7	4.1		17.2		17		-				-		-	
						4.6	0.2	40	26.3		7.6		28.4		59.7		4.1		17.3		16		-				-		-	
					Bottom	8.2	0.1	52	26.1	26.1	7.6	7.6	29.4	29.4	55.5	55.6	3.6	3.6	20.4		18		-				-		-	
						8.2	0.1	53	26.1		7.6		29.4		55.6		3.6		20.5		18		-				-		-	
SR5A	Cloudy	Moderate	10:13	5.5	Surface	1.0	0.1	5	27.6	27.6	7.5	7.5	16.2	16.2	70.5	70.4	5.1	5.1	8.5	11.1	8	9	-	-	816600	810706	-	-	-	-
						1.0	0.1	5	27.6		7.5		16.2		70.3		5.1		8.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.0	78	27.1	27.2	7.4	7.4	21.1	21.1	73.2	73.7	5.2	5.2	13.5		9		-				-		-	
						4.5	0.0	79	27.2		7.4		21.1		74.1		5.2		13.6		9		-				-		-	
SR6	Cloudy	Moderate	09:46	4.6	Surface	1.0	0.2	81	27.6	27.6	7.5	7.5	14.6	14.6	71.3	71.2	5.2	5.2	7.5	14.7	6	6	-	-	817887	814682	-	-	-	-
						1.0	0.2	81	27.6		7.5		14.6		71.1		5.2		7.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	76	27.3	27.4	7.4	7.4	17.1	17.1	51.9	51.9	3.7	3.7	22.0		6		-				-		-	
						3.6	0.1	76	27.4		7.4		17.1		51.9		3.7		21.7		6		-				-		-	
SR7	Cloudy	Moderate	10:15	16.8	Surface	1.0	0.4	40	27.2	27.2	7.7	7.7	17.4	17.4	73.9	73.9	5.3	**4.9**	8.1	6.9	4	5	-	-	823619	823750	-	-	-	-
						1.0	0.4	43	27.2		7.7		17.4		73.9		5.3		8.1		5		-				-		-	
					Middle	8.4	0.3	-	27.2	27.2	7.7	7.7	17.4	17.4	61.4	61.3	4.4		6.4		5		-				-		-	
						8.4	0.3	-	27.2		7.7		17.4		61.2		4.4		6.4		5		-				-		-	
					Bottom	15.8	0.6	45	25.6	25.6	7.7	7.7	27.2	27.2	55.1	55.1	3.9	3.9	6.2		6		-				-		-	
						15.8	0.6	47	25.6		7.7		27.2		55.1		3.9		6.2		5		-				-		-	
SR8	Cloudy	Moderate	11:55	5.5	Surface	1.0	0.3	292	28.1	28.1	7.7	7.7	14.5	14.5	67.7	67.7	4.9	4.9	12.0	12.6	9	9	-	-	820409	811574	-	-	-	-
						1.0	0.3	315	28.1		7.7		14.5		67.7		4.9		12.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	1	27.9	27.9	7.7	7.7	14.9	14.9	67.3	67.3	4.9	4.9	13.2		8		-				-		-	
						4.5	0.1	1	27.9		7.7		14.9		67.3		4.9		13.2		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 24 June 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	19:53	7.3	Surface	1.0	0.8	28	28.3	28.3	7.7	7.7	13.7	13.7	64.0	64.0	4.6	4.5	9.7	13.3	9	9	69	73	815617	804246	<0.2	<0.2	2.5	2.5
						1.0	0.8	29	28.3		7.7		13.7		63.9		4.6		9.6		8		69				<0.2		2.5	
					Middle	3.7	0.6	26	28.1	28.1	7.7	7.7	14.2	14.2	61.0	61.0	4.4		14.1		10		73				<0.2		2.4	
						3.7	0.6	27	28.1		7.7		14.2		60.9		4.4		13.9		9		73				<0.2		2.6	
					Bottom	6.3	0.4	29	27.5	27.5	7.5	7.5	18.6	18.7	59.8	59.9	4.3	4.3	16.1		9		76				<0.2		2.5	
						6.3	0.4	29	27.5		7.5		18.7		59.9		4.3		16.1		10		77				<0.2		2.4	
C2	Cloudy	Moderate	18:41	10.2	Surface	1.0	1.9	13	28.7	28.7	7.4	7.4	5.3	5.3	58.6	58.6	4.4	4.0	9.6	14.7	12	12	61	67	825679	806959	<0.2	<0.2	2.8	2.6
						1.0	2.0	13	28.7		7.4		5.3		58.6		4.4		9.6		12		62				<0.2		2.6	
					Middle	5.1	1.5	11	28.0	28.0	7.4	7.4	12.3	12.3	48.5	48.5	3.6		14.3		12		69				<0.2		2.6	
						5.1	1.6	11	28.0		7.4		12.3		48.5		3.6		14.3		12		67				<0.2		2.5	
					Bottom	9.2	0.7	11	27.7	27.7	7.5	7.5	14.1	14.1	50.5	50.5	3.7	3.7	20.2		13		72				<0.2		2.6	
						9.2	0.8	11	27.7		7.5		14.1		50.5		3.7		20.2		12		73				<0.2		2.6	
C3	Cloudy	Moderate	20:29	12.3	Surface	1.0	0.5	35	28.4	28.4	7.6	7.6	13.6	13.6	60.8	60.8	4.4	4.2	12.8	14.0	12	12	71	74	822106	817814	<0.2	<0.2	2.7	2.7
						1.0	0.5	35	28.4		7.6		13.6		60.7		4.4		12.9		13		70				<0.2		2.6	
					Middle	6.2	0.0	29	28.0	28.0	7.7	7.7	15.7	15.7	55.7	55.7	4.0		14.5		12		74				<0.2		2.8	
						6.2	0.0	31	28.0		7.7		15.7		55.7		4.0		14.5		13		73				<0.2		2.6	
					Bottom	11.3	0.2	21	27.4	27.4	7.7	7.7	20.1	20.1	56.9	56.9	4.0	4.0	14.5		11		76				<0.2		2.8	
						11.3	0.2	22	27.4		7.7		20.1		56.9		4.0		14.5		11		77				<0.2		2.8	
IM1	Cloudy	Moderate	19:38	7.1	Surface	1.0	1.0	18	28.2	28.2	7.4	7.4	13.7	13.7	62.5	62.5	4.5	4.5	7.5	10.8	8	10	72	74	818363	806453	<0.2	<0.2	2.6	2.8
						1.0	1.0	18	28.2		7.4		13.7		62.5		4.5		7.4		8		71				<0.2		2.7	
					Middle	3.6	0.8	17	28.0	28.0	7.5	7.5	14.0	14.0	61.4	61.4	4.4		10.5		10		73				<0.2		2.8	
						3.6	0.8	17	28.0		7.5		14.0		61.4		4.4		10.5		10		74				<0.2		2.9	
					Bottom	6.1	0.6	19	27.3	27.3	7.6	7.6	21.0	21.0	59.7	59.8	4.2	4.2	14.4		11		76				<0.2		2.7	
						6.1	0.7	19	27.3		7.6		20.9		59.8		4.2		14.4		11		77				<0.2		2.8	
IM2	Cloudy	Moderate	19:32	7.8	Surface	1.0	0.9	24	28.1	28.1	7.4	7.4	12.8	12.8	61.7	61.7	4.5	4.5	8.5	10.7	10	10	71	74	818839	806180	<0.2	<0.2	2.7	2.9
						1.0	0.9	24	28.1		7.4		12.8		61.7		4.5		8.5		11		71				<0.2		2.9	
					Middle	3.9	0.9	23	28.1	28.1	7.4	7.4	13.0	13.0	62.5	62.6	4.5		9.9		11		74				<0.2		2.8	
						3.9	0.9	23	28.1		7.4		13.0		62.6		4.6		10.2		9		75				<0.2		3.0	
					Bottom	6.8	0.8	25	28.1	28.1	7.4	7.4	13.1	13.1	58.7	58.8	4.2	4.2	13.4		10		77				<0.2		2.9	
						6.8	0.8	26	28.1		7.4		13.1		58.9		4.2		13.4		10		78				<0.2		2.9	
IM3	Cloudy	Moderate	19:25	7.5	Surface	1.0	1.1	29	28.2	28.2	7.4	7.4	12.2	12.2	67.2	67.4	4.9	4.8	10.3	13.2	8	8	70	74	819427	806004	<0.2	<0.2	2.7	3.0
						1.0	1.2	30	28.2		7.4		12.2		67.5		4.9		10.3		8		70				<0.2		3.0	
					Middle	3.8	1.0	27	28.1	28.1	7.4	7.4	12.5	12.5	62.8	62.9	4.6		13.4		8		74				<0.2		3.1	
						3.8	1.0	29	28.1		7.4		12.5		62.9		4.6		13.5		10		74				<0.2		2.9	
					Bottom	6.5	0.9	26	28.1	28.1	7.4	7.4	12.6	12.6	55.5	55.6	4.0	4.0	16.0		8		77				<0.2		3.0	
						6.5	1.0	28	28.1		7.4		12.6		55.6		4.0		15.9		8		77				<0.2		3.0	
IM4	Cloudy	Moderate	19:18	7.3	Surface	1.0	0.8	12	27.9	27.9	7.4	7.4	13.9	13.9	64.8	65.0	4.7	4.6	9.7	11.4	8	8	71	75	819558	805033	<0.2	<0.2	2.8	3.0
						1.0	0.9	13	27.9		7.4		13.9		65.1		4.7		9.7		4		71				<0.2		3.0	
					Middle	3.7	0.8	14	27.9	27.9	7.4	7.4	14.0	14.0	60.4	60.5	4.4		10.2		8		75				<0.2		3.2	
						3.7	0.8	14	27.9		7.4		14.0		60.6		4.4		10.2		6		76				<0.2		3.1	
					Bottom	6.3	0.8	15	27.8	27.8	7.4	7.4	14.1	14.1	54.9	54.9	4.0	4.0	14.4		10		77				<0.2		3.0	
						6.3	0.8	16	27.8		7.4		14.1		54.9		4.0		14.3		12		77				<0.2		3.0	
IM5	Cloudy	Moderate	19:12	6.5	Surface	1.0	1.0	25	27.7	27.7	7.4	7.4	14.9	14.9	66.3	66.6	4.8	4.6	8.6	10.3	14	14	70	73	820550	804915	<0.2	<0.2	3.2	3.1
						1.0	1.0	27	27.7		7.4		14.9		66.8		4.8		8.6		10		70				<0.2		3.1	
					Middle	3.3	0.9	30	27.7	27.7	7.4	7.4	15.0	15.0	59.8	59.9	4.3		10.9		17		71				<0.2		3.1	
						3.3	0.9	31	27.7		7.4		15.0		60.0		4.4		10.9		17		72				<0.2		3.1	
					Bottom	5.5	0.8	30	27.7	27.7	7.4	7.4	15.1	15.1	55.5	55.6	4.0	4.0	11.3		16		77				<0.2		3.0	
						5.5	0.9	31	27.7		7.4		15.1		55.6		4.0		11.3		16		77				<0.2		3.2	
IM6	Cloudy	Moderate	19:05	6.4	Surface	1.0	0.9	24	27.7	27.7	7.3	7.3	14.2	14.2	60.7	60.7	4.4	4.2	10.3	11.5	11	11	70	72	821059	805832	<0.2	<0.2	3.0	3.2
						1.0	1.0	25	27.7		7.3		14.2		60.7		4.4		10.3		11		69				<0.2		2.9	
					Middle	3.2	0.8	24	27.6	27.6	7.3	7.3	15.3	15.3	55.2	55.2	4.0		11.9		11		72				<0.2		3.3	
						3.2	0.9	25	27.6		7.3		15.3		55.2		4.0		11.9		11		73				<0.2		3.4	
					Bottom	5.4	0.7	25	27.6	27.6	7.4	7.4	15.4	15.4	54.4	54.4	4.0	4.0	12.2		11		75				<0.2		3.3	
						5.4	0.7	26	27.6		7.4		15.4		54.4		4.0		12.1		11		75				<0.2		3.4	
IM7	Cloudy	Moderate	18:56	7.3	Surface	1.0	1.4	23	28.5	28.5	7.3	7.3	10.4	10.4	64.5	64.5	4.7	4.5	8.8	11.2	10	10	70	73	821367	806850	<0.2	<0.2	3.9	**3.9**
						1.0	1.5	23	28.5		7.3		10.4		64.5		4.7		8.8		9		69				<0.2		4.0	
					Middle	3.7	1.2	27	28.1	28.1	7.3	7.3	13.2	13.2	58.0	58.0	4.2		10.6		11		74				<0.2		3.8	
						3.7	1.3	27	28.1		7.3		13.2		58.0		4.2		10.6		10		73				<0.2		3.7	
					Bottom	6.3	1.0	28	27.7	27.7	7.3	7.3	15.5	15.5	59.8	59.9	4.3	4.3	14.3		10		77				<0.2		3.8	
						6.3	1.1	30	27.7		7.3		15.4		60.0		4.3		14.3		10		77				<0.2		3.9	
IM8	Cloudy	Moderate	19:03	6.7	Surface	1.0	1.3	293	28.7	28.7	7.4	7.4	10.5	10.5	56.7	56.7	4.1	4.1	9.4	14.1	12	12	66	69	821707	807840	<0.2	<0.2	3.1	3.0
						1.0	1.4	308	28.7		7.4		10.5		56.7		4.1		9.4		9		65				<0.2		3.0	
					Middle	3.4	1.0	24	28.5	28.5	7.4	7.4	11.1	11.1	56.2	56.2	4.1		13.3		12		69				<0.2		2.8	
						3.4	1.1	24	28.5		7.4		11.1		56.2		4.1		13.3		11		68				<0.2		3.0	
					Bottom	5.7	0.8	29	28.4	28.4	7.5	7.5	12.3	12.3	59.5	59.5	4.3	4.3	19.5		16		72				<0.2		3.0	
						5.7	0.8	31	28.4		7.5		12.3		59.5		4.3		19.5		17		73				<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 24 June 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	19:13	6.9	Surface	1.0	1.2	299	29.0	29.0	7.4	7.4	7.2	7.2	59.7	59.7	4.4	4.2	8.6	13.2	10	12	66	69	822112	808813	<0.2	<0.2	2.7	2.8
						1.0	1.2	302	29.0		7.4		7.2		59.7		4.4		8.6		9		65				<0.2		2.8	
					Middle	3.5	0.9	310	28.5	28.5	7.4	7.4	11.9	11.9	53.5	53.5	3.9		12.3		12		69				<0.2		2.9	
						3.5	1.0	332	28.5		7.4		11.9		53.5		3.9		12.3		14		70				<0.2		2.9	
					Bottom	5.9	0.8	310	28.3	28.3	7.6	7.6	12.5	12.5	57.8	57.8	4.2	4.2	18.8		14		72				<0.2		2.7	
						5.9	0.8	328	28.3		7.6		12.5		57.8		4.2		18.8		15		72				<0.2		2.8	
IM10	Cloudy	Moderate	19:27	7.2	Surface	1.0	1.0	285	28.4	28.4	7.5	7.5	11.2	11.2	59.3	59.3	4.3	4.3	9.3	12.4	11	12	67	70	822243	809844	<0.2	<0.2	2.6	2.7
						1.0	1.1	295	28.4		7.5		11.2		59.3		4.3		9.3		12		68				<0.2		2.6	
					Middle	3.6	0.7	280	28.3	28.3	7.5	7.5	12.2	12.2	57.5	57.5	4.2		11.2		12		70				<0.2		2.8	
						3.6	0.7	301	28.3		7.5		12.2		57.5		4.2		11.2		12		70				<0.2		2.9	
					Bottom	6.2	0.5	285	28.2	28.2	7.5	7.5	13.0	13.0	59.9	59.9	4.4	4.4	16.8		12		72				<0.2		2.6	
						6.2	0.5	304	28.2		7.5		13.0		59.9		4.4		16.8		12		72				<0.2		2.6	
IM11	Cloudy	Moderate	19:28	7.9	Surface	1.0	0.8	279	28.7	28.7	7.5	7.5	10.6	10.6	57.9	57.9	4.2	4.2	8.2	12.1	10	12	69	71	821492	810543	<0.2	<0.2	2.8	2.7
						1.0	0.8	285	28.7		7.5		10.6		57.9		4.2		8.2		12		69				<0.2		2.7	
					Middle	4.0	0.7	279	28.5	28.5	7.5	7.5	12.0	12.0	55.9	55.9	4.1		10.9		12		72				<0.2		2.8	
						4.0	0.7	282	28.5		7.5		12.0		55.9		4.1		10.9		13		71				<0.2		2.7	
					Bottom	6.9	0.3	305	28.4	28.4	7.5	7.5	13.0	13.0	56.7	56.7	4.1	4.1	17.3		14		74				<0.2		2.6	
						6.9	0.3	332	28.4		7.5		13.0		56.7		4.1		17.3		13		73				<0.2		2.6	
IM12	Cloudy	Moderate	19:34	7.3	Surface	1.0	0.8	322	28.9	28.9	7.5	7.5	9.4	9.4	61.3	61.3	4.5	4.4	9.6	12.4	11	13	66	70	821181	811531	<0.2	<0.2	2.6	2.7
						1.0	0.8	326	28.9		7.5		9.4		61.2		4.5		9.7		13		67				<0.2		2.7	
					Middle	3.7	0.5	341	28.7	28.7	7.5	7.5	11.4	11.4	59.0	59.0	4.3		12.1		12		70				<0.2		2.6	
						3.7	0.5	342	28.7		7.5		11.4		59.0		4.3		12.1		13		71				<0.2		2.7	
					Bottom	6.3	0.5	334	28.6	28.6	7.5	7.5	12.4	12.4	59.9	59.9	4.3	4.3	15.5		13		73				<0.2		2.7	
						6.3	0.5	351	28.6		7.5		12.4		59.9		4.3		15.5		13		72				<0.2		2.7	
SR2	Cloudy	Moderate	19:56	4.9	Surface	1.0	0.4	279	28.7	28.7	7.5	7.5	10.0	10.0	63.8	63.8	4.7	4.7	8.9	12.1	10	12	70	71	821478	814156	<0.2	<0.2	2.5	2.5
						1.0	0.5	300	28.7		7.5		10.0		63.8		4.7		8.9		10		69				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	283	28.4	28.4	7.6	7.6	12.4	12.4	62.9	62.9	4.6	4.6	15.2		14		72				<0.2		2.4	
						3.9	0.2	290	28.4		7.6		12.4		62.9		4.6		15.2		12		73				<0.2		2.4	
SR3	Cloudy	Moderate	18:57	9.1	Surface	1.0	1.9	16	28.3	28.3	7.5	7.5	10.0	10.0	53.9	53.9	4.0	**4.0**	9.6	14.1	10	11	-	-	822160	807560	-	-	-	-
						1.0	1.9	16	28.3		7.5		10.0		53.9		4.0		9.6		10		-				-		-	
					Middle	4.6	1.3	17	28.2	28.2	7.5	7.5	11.8	11.8	53.4	53.4	3.9		13.3		10		-				-		-	
						4.6	1.3	17	28.2		7.5		11.8		53.4		3.9		13.3		9		-				-		-	
					Bottom	8.1	0.8	18	28.1	28.1	7.5	7.5	12.7	12.7	55.5	55.5	4.1	4.1	19.5		11		-				-		-	
						8.1	0.8	18	28.1		7.5		12.7		55.5		4.1		19.5		13		-				-		-	
SR4A	Cloudy	Moderate	20:17	7.8	Surface	1.0	1.0	284	28.1	28.1	7.6	7.6	18.4	18.4	65.2	65.2	4.6	4.6	8.3	12.7	8	8	-	-	817184	807826	-	-	-	-
						1.0	1.1	290	28.1		7.6		18.4		65.2		4.6		8.3		8		-				-		-	
					Middle	3.9	1.0	282	28.0	28.0	7.6	7.6	18.8	18.8	63.8	63.8	4.5		12.4		6		-				-		-	
						3.9	1.0	287	28.0		7.6		18.8		63.7		4.5		12.3		7		-				-		-	
					Bottom	6.8	0.7	284	27.7	27.7	7.6	7.6	20.0	20.0	61.7	61.7	4.4	4.4	17.4		8		-				-		-	
						6.8	0.8	302	27.7		7.6		20.0		61.7		4.4		17.3		10		-				-		-	
SR5A	Cloudy	Moderate	20:38	4.5	Surface	1.0	0.6	322	28.2	28.2	7.5	7.5	16.6	16.6	65.3	65.3	4.7	4.7	7.2	10.3	8	8	-	-	816574	810696	-	-	-	-
						1.0	0.6	344	28.2		7.5		16.6		65.2		4.6		6.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	319	27.4	27.4	7.6	7.6	20.5	20.5	60.3	60.4	4.3	4.3	13.5		8		-				-		-	
						3.5	0.3	326	27.4		7.6		20.5		60.4		4.3		13.5		8		-				-		-	
SR6	Cloudy	Moderate	21:08	3.6	Surface	1.0	0.1	253	28.2	28.2	7.5	7.5	15.6	15.7	69.8	69.8	5.0	5.0	11.2	12.4	7	8	-	-	817909	814655	-	-	-	-
						1.0	0.2	272	28.2		7.5		15.7		69.8		5.0		11.3		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	251	28.2	28.2	7.5	7.5	15.9	15.9	70.5	70.5	5.0	5.0	13.4		8		-				-		-	
						2.6	0.1	251	28.2		7.5		15.9		70.5		5.0		13.5		8		-				-		-	
SR7	Cloudy	Moderate	21:14	16.4	Surface	1.0	0.1	267	28.5	28.5	7.7	7.7	14.2	14.2	66.2	66.2	4.8	**4.3**	8.1	11.9	5	6	-	-	823652	823722	-	-	-	-
						1.0	0.1	267	28.5		7.7		14.2		66.2		4.8		8.1		4		-				-		-	
					Middle	8.2	0.0	268	27.4	27.4	7.7	7.7	18.5	18.5	51.3	51.3	3.7		12.1		8		-				-		-	
						8.2	0.0	278	27.4		7.7		18.5		51.3		3.7		12.1		7		-				-		-	
					Bottom	15.4	0.3	269	26.8	26.8	7.7	7.7	21.3	21.3	50.4	50.4	3.6	3.6	15.5		7		-				-		-	
						15.4	0.3	270	26.8		7.7		21.3		50.4		3.6		15.5		7		-				-		-	
SR8	Cloudy	Moderate	19:44	4.5	Surface	1.0	0.2	355	28.7	28.7	7.6	7.6	10.5	10.5	66.7	66.7	4.9	4.9	9.5	14.1	10	10	-	-	820401	811585	-	-	-	-
						1.0	0.2	327	28.7		7.6		10.5		66.7		4.9		9.5		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	339	28.9	28.9	7.6	7.6	11.5	11.5	68.7	68.8	5.0	5.0	18.6		10		-				-		-	
						3.5	0.2	346	28.9		7.6		11.5		68.8		5.0		18.6		10		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 June 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	12:30	8.3	Surface	1.0	0.9	215	28.4	28.4	7.5	7.5	14.8	14.8	72.7	72.6	5.2	4.8	6.7	13.2	5	7	65	70	815610	804251	<0.2	<0.2	2.2	2.0
						1.0	1.0	227	28.4		7.5		14.8		72.5		5.2		6.8		4		66				<0.2		2.0	
					Middle	4.2	1.0	224	27.8	27.8	7.5	7.5	17.2	17.2	60.7	60.7	4.3		12.2		6		70				<0.2		2.1	
						4.2	1.0	228	27.8		7.5		17.2		60.7		4.3		12.2		6		69				<0.2		2.2	
					Bottom	7.3	0.7	239	26.4	26.4	7.6	7.6	27.2	27.2	59.6	59.6	4.1	4.1	20.5		10		76				<0.2		1.8	
						7.3	0.7	251	26.4		7.6		27.2		59.6		4.1		20.5		9		75				<0.2		1.9	
C2	Cloudy	Moderate	14:50	11.3	Surface	1.0	1.4	182	28.5	28.5	7.4	7.4	6.5	6.5	57.2	57.2	4.3	4.1	8.4	13.6	12	12	62	67	825667	806927	<0.2	<0.2	2.3	2.4
						1.0	1.4	196	28.5		7.4		6.5		57.2		4.3		8.4		12		63				<0.2		2.4	
					Middle	5.7	0.8	193	28.1	28.1	7.5	7.5	11.5	11.5	51.4	51.4	3.8		12.2		12		67				<0.2		2.4	
						5.7	0.9	206	28.1		7.5		11.5		51.4		3.8		12.2		13		67				<0.2		2.5	
					Bottom	10.3	0.5	215	27.6	27.6	7.5	7.5	14.3	14.3	46.5	46.5	3.4	3.4	20.1		12		70				<0.2		2.4	
						10.3	0.6	218	27.6		7.5		14.3		46.5		3.4		20.1		11		71				<0.2		2.4	
C3	Rainy	Moderate	12:29	11.8	Surface	1.0	0.3	102	27.3	27.3	7.8	7.8	18.3	18.3	59.3	59.3	4.2	4.1	9.3	12.1	9	9	65	70	822111	817787	<0.2	<0.2	1.9	2.0
						1.0	0.4	104	27.3		7.8		18.3		59.3		4.2		9.3		9		64				<0.2		1.8	
					Middle	5.9	0.2	63	27.2	27.2	7.7	7.7	19.1	19.1	56.1	56.1	4.0		10.9		8		69				<0.2		2.0	
						5.9	0.3	64	27.2		7.7		19.1		56.1		4.0		10.9		10		71				<0.2		2.0	
					Bottom	10.8	0.5	60	27.0	27.0	7.7	7.7	21.0	21.0	53.4	53.4	3.8	3.8	16.0		8		76				<0.2		2.1	
						10.8	0.5	62	27.0		7.7		21.0		53.4		3.8		16.0		8		77				<0.2		1.9	
IM1	Cloudy	Moderate	12:57	7.0	Surface	1.0	1.1	176	28.2	28.2	7.5	7.5	13.6	13.6	68.0	68.0	4.9	4.2	9.2	14.3	7	10	66	70	818348	806462	<0.2	<0.2	2.6	2.5
						1.0	1.2	190	28.2		7.5		13.6		67.9		4.9		9.3		6		65				<0.2		2.7	
					Middle	3.5	0.6	171	26.8	26.8	7.6	7.6	24.2	24.2	49.4	49.4	3.5		12.3		9		72				<0.2		2.5	
						3.5	0.6	179	26.8		7.6		24.2		49.4		3.5		12.4		8		72				<0.2		2.7	
					Bottom	6.0	0.2	210	26.4	26.4	7.6	7.6	27.1	27.1	52.7	52.8	3.7	3.7	21.2		16		73				<0.2		2.1	
						6.0	0.2	230	26.4		7.6		27.1		52.8		3.7		21.2		15		74				<0.2		2.2	
IM2	Cloudy	Moderate	13:07	8.0	Surface	1.0	1.2	210	28.1	28.1	7.8	7.8	14.0	14.0	64.7	64.7	4.7	4.6	8.5	13.7	10	9	65	72	818854	806178	<0.2	<0.2	2.7	2.5
						1.0	1.3	230	28.1		7.8		14.0		64.7		4.7		8.5		10		66				<0.2		2.5	
					Middle	4.0	1.2	213	27.8	27.8	7.5	7.5	15.8	15.8	60.8	60.8	4.4		11.9		9		73				<0.2		2.4	
						4.0	1.3	228	27.8		7.5		15.8		60.7		4.4		11.8		8		73				<0.2		2.3	
					Bottom	7.0	0.8	200	27.4	27.4	7.6	7.6	19.8	19.8	60.1	60.2	4.3	4.3	20.7		9		76				<0.2		2.4	
						7.0	0.8	212	27.4		7.6		19.8		60.2		4.3		21.0		10		76				<0.2		2.5	
IM3	Cloudy	Moderate	13:17	7.9	Surface	1.0	1.0	204	28.6	28.6	7.5	7.5	11.7	11.7	75.4	75.4	5.5	4.8	9.3	14.1	6	8	65	72	819421	806005	<0.2	<0.2	2.8	2.6
						1.0	1.0	206	28.6		7.5		11.7		75.3		5.5		9.5		8		66				<0.2		2.8	
					Middle	4.0	1.0	210	27.5	27.5	7.6	7.6	18.2	18.2	56.0	56.0	4.0		12.9		6		73				<0.2		2.6	
						4.0	1.0	216	27.5		7.6		18.2		56.0		4.0		13.1		7		74				<0.2		2.5	
					Bottom	6.9	0.6	206	27.4	27.4	7.6	7.6	19.4	19.4	58.1	58.1	4.1	4.1	19.8		9		76				<0.2		2.5	
						6.9	0.7	209	27.4		7.6		19.4		58.1		4.1		19.7		9		76				<0.2		2.5	
IM4	Cloudy	Moderate	13:26	7.2	Surface	1.0	0.6	193	28.1	28.1	7.6	7.6	15.0	15.0	67.5	67.5	4.9	4.8	19.5	20.2	10	11	67	71	819568	805037	<0.2	<0.2	2.4	2.5
						1.0	0.6	211	28.1		7.6		15.0		67.5		4.9		19.4		11		66				<0.2		2.7	
					Middle	3.6	0.6	200	28.0	28.0	7.6	7.6	15.5	15.5	64.9	64.9	4.7		19.7		10		72				<0.2		2.5	
						3.6	0.6	210	28.0		7.6		15.5		64.8		4.7		19.5		12		71				<0.2		2.4	
					Bottom	6.2	0.7	215	27.8	27.8	7.6	7.6	18.5	18.5	66.5	66.5	4.7	4.7	21.5		13		76				<0.2		2.3	
						6.2	0.8	215	27.8		7.6		18.5		66.5		4.7		21.4		11		75				<0.2		2.5	
IM5	Cloudy	Moderate	13:38	6.8	Surface	1.0	1.3	201	28.5	28.5	7.5	7.5	12.1	12.1	71.8	71.8	5.2	5.0	10.8	13.0	11	10	67	72	820547	804912	<0.2	<0.2	2.6	2.4
						1.0	1.3	201	28.5		7.5		12.1		71.8		5.2		10.8		10		67				<0.2		2.4	
					Middle	3.4	1.2	207	28.3	28.3	7.5	7.5	13.2	13.2	66.9	66.9	4.8		12.6		10		72				<0.2		2.4	
						3.4	1.3	223	28.3		7.5		13.2		66.9		4.8		12.6		9		72				<0.2		2.4	
					Bottom	5.8	1.0	212	27.3	27.4	7.5	7.5	20.3	20.3	62.7	62.9	4.4	4.5	15.7		11		77				<0.2		2.4	
						5.8	1.0	216	27.4		7.5		20.3		63.0		4.5		15.7		9		76				<0.2		2.4	
IM6	Cloudy	Moderate	13:50	6.4	Surface	1.0	1.0	228	28.2	28.2	7.5	7.5	14.0	14.0	67.6	67.6	4.9	4.4	16.1	18.2	8	10	66	70	821067	805840	<0.2	<0.2	2.4	2.4
						1.0	1.1	235	28.2		7.5		14.0		67.6		4.9		16.2		8		66				<0.2		2.4	
					Middle	3.2	0.9	240	27.6	27.6	7.4	7.4	16.9	16.9	54.8	54.8	3.9		18.5		12		69				<0.2		2.4	
						3.2	0.9	252	27.6		7.4		16.9		54.8		3.9		18.5		12		70				<0.2		2.4	
					Bottom	5.4	0.7	241	27.2	27.2	7.5	7.5	19.7	19.7	58.7	58.8	4.2	4.2	19.8		10		75				<0.2		2.2	
						5.4	0.7	259	27.2		7.5		19.7		58.9		4.2		19.8		10		75				<0.2		2.4	
IM7	Cloudy	Moderate	14:06	7.7	Surface	1.0	1.4	196	28.4	28.4	7.3	7.3	9.6	9.6	63.9	63.9	4.7	4.4	10.0	15.2	8	8	69	73	821358	806816	<0.2	<0.2	2.7	2.6
						1.0	1.5	196	28.4		7.3		9.6		63.9		4.7		10.1		8		68				<0.2		2.7	
					Middle	3.9	1.0	211	27.8	27.8	7.4	7.4	14.0	14.0	54.6	54.6	4.0		14.2		7		73				<0.2		2.6	
						3.9	1.1	228	27.8		7.4		14.0		54.6		4.0		14.2		8		73				<0.2		2.6	
					Bottom	6.7	0.8	222	27.5	27.5	7.4	7.4	16.0	16.0	59.9	59.9	4.3	4.3	21.4		8		76				<0.2		2.5	
						6.7	0.9	226	27.5		7.4		16.0		59.9		4.3		21.5		8		76				<0.2		2.6	
IM8	Cloudy	Moderate	14:23	7.7	Surface	1.0	1.1	191	28.7	28.7	7.6	7.6	11.1	11.1	65.5	65.5	4.8	4.5	9.6	12.4	7	11	66	71	821677	807832	<0.2	<0.2	2.7	2.5
						1.0	1.1	194	28.7		7.6		11.1		65.5		4.8		9.6		8		65				<0.2		2.7	
					Middle	3.9	0.9	203	28.2	28.2	7.6	7.6	14.1	14.1	57.4	57.4	4.2		10.2		6		71				<0.2		2.7	
						3.9	0.9	210	28.2		7.6		14.1		57.4		4.2		10.2		7		71				<0.2		2.9	
					Bottom	6.7	0.5	227	27.7	27.7	7.6	7.6	16.5	16.5	54.8	54.8	3.9	3.9	17.5		18		76				<0.2		2.2	
						6.7	0.5	249	27.7		7.6		16.5		54.8		3.9		17.5		19		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 24 June 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	14:14	6.6	Surface	1.0	0.9	155	28.7	28.7	7.6	7.6	10.8	10.8	65.4	65.4	4.8	4.4	8.9	11.4	5	9	65	71	822079	808804	<0.2	<0.2	2.9	2.8
						1.0	0.9	156	28.7		7.6		10.8		65.4		4.8		8.9		5		66				<0.2		2.7	
					Middle	3.3	0.6	155	27.9	27.9	7.6	7.6	15.0	15.0	53.9	53.9	3.9		10.3		6		72				<0.2		2.5	
						3.3	0.6	163	27.9		7.6		15.0		53.9		3.9		10.3		5		71				<0.2		2.8	
					Bottom	5.6	0.3	146	27.6	27.6	7.6	7.6	17.0	17.0	55.9	55.9	4.0	4.0	14.9		16		75				<0.2		2.8	
						5.6	0.3	150	27.6		7.6		17.0		55.9		4.0		14.9		16		74				<0.2		2.9	
IM10	Cloudy	Moderate	14:03	7.0	Surface	1.0	1.1	133	28.7	28.7	7.6	7.6	10.7	10.7	67.5	67.5	4.9	4.5	9.4	12.8	5	7	65	71	822240	809827	<0.2	<0.2	2.7	2.8
						1.0	1.2	141	28.7		7.6		10.7		67.5		4.9		9.4		6		66				<0.2		2.6	
					Middle	3.5	0.9	127	28.2	28.2	7.6	7.6	14.0	14.0	55.7	55.7	4.0		11.0		6		73				<0.2		2.8	
						3.5	1.0	131	28.2		7.6		14.0		55.7		4.0		11.0		5		72				<0.2		2.9	
					Bottom	6.0	0.5	107	27.6	27.6	7.6	7.6	17.2	17.2	54.5	54.5	3.9	3.9	17.9		9		75				<0.2		2.8	
						6.0	0.5	115	27.6		7.6		17.2		54.5		3.9		17.9		8		75				<0.2		2.9	
IM11	Rainy	Moderate	13:49	8.2	Surface	1.0	0.8	122	28.2	28.2	7.6	7.6	13.1	13.1	60.3	60.3	4.4	4.1	8.1	16.8	4	5	66	71	821503	810553	<0.2	<0.2	2.9	2.6
						1.0	0.9	131	28.2		7.6		13.1		60.3		4.4		8.1		4		65				<0.2		2.6	
					Middle	4.1	0.6	111	27.7	27.7	7.7	7.7	16.6	16.6	53.5	53.5	3.8		19.4		6		72				<0.2		2.7	
						4.1	0.6	114	27.7		7.7		16.6		53.5		3.8		19.4		5		71				<0.2		2.8	
					Bottom	7.2	0.5	104	27.7	27.7	7.7	7.7	17.1	17.1	59.7	59.7	4.3	4.3	22.9		6		74				<0.2		2.4	
						7.2	0.5	110	27.7		7.7		17.1		59.7		4.3		22.9		6		75				<0.2		2.2	
IM12	Rainy	Moderate	13:35	8.3	Surface	1.0	0.9	117	28.5	28.5	7.6	7.6	11.6	11.6	66.3	66.3	4.8	4.6	8.6	15.5	5	10	65	70	821179	811515	<0.2	<0.2	2.7	2.6
						1.0	0.9	117	28.5		7.6		11.6		66.3		4.8		8.6		5		65				<0.2		2.7	
					Middle	4.2	0.8	98	28.0	28.0	7.7	7.7	13.5	13.5	59.3	59.3	4.3		12.5		4		71				<0.2		2.7	
						4.2	0.8	105	28.0		7.7		13.5		59.3		4.3		12.5		5		72				<0.2		2.6	
					Bottom	7.3	0.5	88	27.8	27.8	7.7	7.7	16.5	16.5	57.8	57.8	4.1	4.1	25.4		20		74				<0.2		2.3	
						7.3	0.5	88	27.8		7.7		16.5		57.8		4.1		25.4		20		75				<0.2		2.4	
SR2	Rainy	Moderate	13:07	4.4	Surface	1.0	0.7	71	28.3	28.3	7.6	7.6	11.4	11.4	65.6	65.6	4.8	4.8	9.0	13.8	5	4	67	70	821469	814160	<0.2	<0.2	2.8	2.9
						1.0	0.7	75	28.3		7.6		11.4		65.6		4.8		9.0		4		68				<0.2		2.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.5	44	27.7	27.7	7.7	7.7	17.1	17.1	64.8	64.8	4.6	4.6	18.6		4		71				<0.2		2.9	
						3.4	0.5	48	27.7		7.7		17.1		64.8		4.6		18.6		4		73				<0.2		2.8	
SR3	Cloudy	Moderate	14:31	8.0	Surface	1.0	0.7	203	28.7	28.7	7.6	7.6	10.4	10.4	63.9	63.9	4.7	4.3	11.7	25.5	6	11	-	-	822166	807588	-	-	-	-
						1.0	0.7	204	28.7		7.6		10.4		63.9		4.7		11.7		6		-				-		-	
					Middle	4.0	0.4	219	27.8	27.8	7.6	7.6	14.8	14.8	53.2	53.2	3.9		19.9		7		-				-		-	
						4.0	0.4	221	27.8		7.6		14.8		53.2		3.9		19.9		7		-				-		-	
					Bottom	7.0	0.2	307	27.6	27.6	7.6	7.6	16.3	16.3	54.6	54.6	3.9	3.9	44.8		20		-				-		-	
						7.0	0.2	329	27.6		7.6		16.3		54.6		3.9		44.8		20		-				-		-	
SR4A	Rainy	Calm	12:10	9.4	Surface	1.0	0.1	206	28.1	28.1	7.5	7.5	16.9	16.9	69.0	69.0	4.9	4.3	8.3	14.2	7	11	-	-	817191	807801	-	-	-	-
						1.0	0.1	211	28.1		7.5		16.9		69.0		4.9		8.3		7		-				-		-	
					Middle	4.7	0.1	255	26.5	26.5	7.6	7.6	26.4	26.4	53.7	53.7	3.7		15.1		9		-				-		-	
						4.7	0.1	277	26.5		7.6		26.4		53.7		3.7		15.1		10		-				-		-	
					Bottom	8.4	0.1	215	26.2	26.2	7.6	7.6	28.4	28.4	61.5	61.7	4.2	4.3	19.1		18		-				-		-	
						8.4	0.1	226	26.2		7.6		28.4		61.9		4.3		19.0		17		-				-		-	
SR5A	Rainy	Calm	11:53	5.3	Surface	1.0	0.1	31	28.5	28.5	7.5	7.5	15.7	15.7	74.3	74.2	5.3	5.3	8.8	15.2	6	6	-	-	816598	810687	-	-	-	-
						1.0	0.1	32	28.5		7.5		15.7		74.1		5.3		8.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	283	27.3	27.3	7.4	7.4	22.1	22.3	72.4	72.8	5.1	5.1	21.7		5		-				-		-	
						4.3	0.1	307	27.3		7.4		22.4		73.1		5.1		21.4		6		-				-		-	
SR6	Rainy	Calm	11:28	5.0	Surface	1.0	0.2	97	28.4	28.4	7.5	7.5	15.2	15.2	68.2	68.1	4.9	4.9	13.0	15.5	5	5	-	-	817908	814662	-	-	-	-
						1.0	0.2	97	28.4		7.5		15.2		67.9		4.9		13.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	70	27.0	27.0	7.4	7.4	20.8	20.8	80.3	80.3	5.7	5.7	17.8		5		-				-		-	
						4.0	0.1	73	27.0		7.4		20.8		80.3		5.7		17.8		5		-				-		-	
SR7	Cloudy	Moderate	11:21	16.7	Surface	1.0	0.8	52	28.6	28.6	7.8	7.8	14.9	14.9	74.6	74.6	5.3	**4.8**	6.1	6.9	5	5	-	-	823654	823738	-	-	-	-
						1.0	0.8	52	28.6		7.8		14.9		74.6		5.3		6.1		3		-				-		-	
					Middle	8.4	0.6	20	27.2	27.2	7.7	7.7	19.4	19.4	60.5	60.5	4.3		6.7		4		-				-		-	
						8.4	0.6	20	27.2		7.7		19.4		60.5		4.3		6.7		3		-				-		-	
					Bottom	15.7	0.7	43	27.0	27.0	7.7	7.7	20.6	20.6	61.9	61.9	4.4	4.4	8.0		6		-				-		-	
						15.7	0.7	45	27.0		7.7		20.6		61.9		4.4		8.0		6		-				-		-	
SR8	Rainy	Moderate	13:26	5.5	Surface	1.0	0.1	250	28.5	28.5	7.7	7.7	14.1	14.1	67.0	67.0	4.8	4.8	11.8	16.5	9	10	-	-	820397	811577	-	-	-	-
						1.0	0.1	261	28.5		7.7		14.1		67.0		4.8		11.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	289	28.2	28.2	7.7	7.7	15.3	15.3	66.9	67.0	4.8	4.8	21.2		10		-				-		-	
						4.5	0.1	298	28.2		7.7		15.2		67.1		4.8		21.2		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 27 June 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	07:58	8.8	Surface	1.0	0.8	41	28.2	28.2	7.7	7.7	12.0	12.0	77.9	77.9	5.7	4.7	8.7	11.0	9	9	73	75	815604	804238	<0.2	<0.2	1.7	1.7
						1.0	0.8	42	28.2		7.7		12.0		77.8		5.7		8.8		8		73				<0.2		1.7	
					Middle	4.4	0.9	53	26.1	26.1	7.8	7.8	27.5	27.5	52.3	52.3	3.6		9.5		10		75				<0.2		1.6	
						4.4	0.9	54	26.1		7.8		27.5		52.3		3.6		9.6		8		75				<0.2		1.7	
					Bottom	7.8	0.6	60	25.9	25.9	7.7	7.7	29.0	29.0	68.6	69.0	4.7	4.8	14.4		9		77				<0.2		1.6	
						7.8	0.7	61	25.9		7.7		28.9		69.3		4.8		14.8		8		77				<0.2		1.7	
C2	Cloudy	Moderate	09:28	13.1	Surface	1.0	0.5	353	29.0	29.0	7.7	7.7	11.1	11.1	65.7	65.7	4.8	4.6	10.1	13.5	6	9	70	73	825685	806955	<0.2	<0.2	2.5	2.3
						1.0	0.5	358	29.0		7.7		11.1		65.7		4.8		10.1		5		71				<0.2		2.3	
					Middle	6.6	0.3	59	28.6	28.6	7.7	7.7	13.8	13.8	61.2	61.2	4.4		12.5		6		73				<0.2		2.2	
						6.6	0.3	59	28.6		7.7		13.8		61.2		4.4		12.5		8		74				<0.2		2.4	
					Bottom	12.1	0.4	283	28.3	28.3	7.7	7.7	16.9	16.9	67.0	67.0	4.8	4.8	17.9		14		75				<0.2		2.2	
						12.1	0.4	284	28.3		7.7		16.9		67.0		4.8		17.9		15		76				<0.2		2.1	
C3	Cloudy	Moderate	07:37	13.4	Surface	1.0	0.7	227	28.7	28.7	7.8	7.8	12.1	12.1	72.5	72.5	5.3	4.6	7.7	11.1	3	6	70	74	822122	817784	<0.2	<0.2	2.3	2.0
						1.0	0.7	237	28.7		7.8		12.1		72.5		5.3		7.7		4		69				<0.2		2.4	
					Middle	6.7	0.7	250	26.2	26.2	7.9	7.9	24.7	24.7	56.0	56.0	3.9		9.7		6		75				<0.2		1.8	
						6.7	0.7	273	26.2		7.9		24.7		56.0		3.9		9.7		5		74				<0.2		1.8	
					Bottom	12.4	0.4	303	25.3	25.3	7.9	7.9	29.0	29.0	60.4	60.4	4.2	4.2	15.8		8		77				<0.2		2.0	
						12.4	0.4	322	25.3		7.9		29.0		60.4		4.2		15.8		7		77				<0.2		1.8	
IM1	Cloudy	Moderate	08:13	8.9	Surface	1.0	0.6	15	28.4	28.4	7.8	7.8	12.4	12.4	78.8	78.8	5.7	5.6	8.0	13.4	4	8	74	75	818359	806477	<0.2	<0.2	1.9	2.1
						1.0	0.6	15	28.4		7.8		12.4		78.7		5.7		8.1		6		73				<0.2		2.0	
					Middle	4.5	0.6	3	28.0	28.0	7.8	7.8	15.5	15.5	75.6	75.7	5.4		12.5		8		76				<0.2		2.1	
						4.5	0.6	3	28.0		7.8		15.5		75.7		5.4		12.6		6		75				<0.2		2.1	
					Bottom	7.9	0.4	3	27.9	27.9	7.8	7.8	16.7	16.7	80.1	80.3	5.7	5.7	19.5		12		77				<0.2		2.2	
						7.9	0.4	3	27.9		7.8		16.7		80.4		5.7		19.8		12		77				<0.2		2.3	
IM2	Cloudy	Moderate	08:18	9.5	Surface	1.0	0.7	7	28.7	28.7	7.8	7.8	10.9	10.9	78.6	78.5	5.7	5.5	7.8	12.0	6	7	74	75	818847	806176	<0.2	<0.2	2.5	2.5
						1.0	0.7	7	28.7		7.8		10.9		78.4		5.7		7.9		6		73				<0.2		2.4	
					Middle	4.8	0.6	1	27.9	27.9	7.8	7.8	15.9	15.7	72.4	72.4	5.2		12.6		8		75				<0.2		2.6	
						4.8	0.6	1	27.9		7.8		15.5		72.4		5.2		12.8		6		75				<0.2		2.6	
					Bottom	8.5	0.5	19	27.8	27.9	7.8	7.8	17.7	17.7	79.8	79.8	5.7	5.7	15.4		8		77				<0.2		2.4	
						8.5	0.5	19	27.9		7.8		17.7		79.8		5.7		15.2		7		77				<0.2		2.3	
IM3	Cloudy	Moderate	08:25	9.7	Surface	1.0	0.7	359	28.3	28.3	7.7	7.7	12.8	12.8	75.2	75.2	5.5	4.9	9.1	10.3	6	7	73	75	819409	806006	<0.2	<0.2	2.5	2.5
						1.0	0.7	330	28.3		7.7		12.8		75.2		5.5		8.9		6		73				<0.2		2.3	
					Middle	4.9	0.5	11	27.4	27.4	7.8	7.8	20.2	20.2	60.7	60.8	4.3		10.6		6		75				<0.2		2.7	
						4.9	0.6	11	27.4		7.8		20.2		60.8		4.3		10.7		6		76				<0.2		2.6	
					Bottom	8.7	0.6	40	27.4	27.4	7.8	7.8	20.0	20.0	64.6	64.7	4.6	4.6	11.1		8		77				<0.2		2.4	
						8.7	0.6	42	27.4		7.8		20.0		64.8		4.6		11.3		8		77				<0.2		2.3	
IM4	Cloudy	Moderate	08:35	9.0	Surface	1.0	0.6	358	28.3	28.3	7.8	7.8	13.3	13.3	76.8	76.8	5.6	5.4	8.8	10.2	4	8	73	75	819579	805032	<0.2	<0.2	2.4	2.1
						1.0	0.6	329	28.3		7.8		13.3		76.7		5.6		8.8		6		73				<0.2		2.2	
					Middle	4.5	0.6	19	27.8	27.8	7.8	7.8	16.2	16.2	70.4	70.4	5.1		9.4		7		75				<0.2		1.9	
						4.5	0.6	19	27.8		7.8		16.2		70.3		5.1		9.4		8		76				<0.2		2.0	
					Bottom	8.0	0.5	13	26.7	26.7	7.8	7.8	24.7	24.7	54.5	54.6	3.8	3.8	12.2		9		77				<0.2		1.9	
						8.0	0.5	13	26.7		7.8		24.6		54.6		3.8		12.3		11		77				<0.2		1.9	
IM5	Cloudy	Moderate	08:45	8.6	Surface	1.0	0.8	1	28.0	28.1	7.8	7.8	14.7	14.7	74.6	74.6	5.4	5.1	9.8	12.6	8	11	73	75	820553	804935	<0.2	<0.2	2.2	1.9
						1.0	0.8	1	28.1		7.8		14.7		74.5		5.4		9.7		9		73				<0.2		2.0	
					Middle	4.3	0.5	6	27.6	27.6	7.8	7.8	18.0	18.0	67.9	67.9	4.8		10.3		11		75				<0.2		1.8	
						4.3	0.6	6	27.6		7.8		18.0		67.9		4.8		10.3		11		75				<0.2		1.9	
					Bottom	7.6	0.5	18	26.7	26.7	7.8	7.8	25.2	25.2	73.5	73.8	5.1	5.2	17.7		11		77				<0.2		1.8	
						7.6	0.5	19	26.7		7.8		25.2		74.0		5.2		18.0		13		77				<0.2		1.9	
IM6	Cloudy	Moderate	08:58	7.9	Surface	1.0	0.7	19	28.5	28.5	7.8	7.8	12.8	12.8	78.6	78.6	5.7	5.4	9.3	15.4	9	11	74	75	821045	805845	<0.2	<0.2	2.2	2.1
						1.0	0.8	19	28.5		7.8		12.8		78.6		5.7		9.4		10		73				<0.2		2.1	
					Middle	4.0	0.5	20	28.0	28.0	7.8	7.8	16.0	16.0	70.4	70.4	5.0		16.4		10		75				<0.2		2.1	
						4.0	0.5	21	28.0		7.8		16.0		70.4		5.0		16.5		11		75				<0.2		2.2	
					Bottom	6.9	0.5	56	27.7	27.7	7.8	7.8	21.7	21.7	76.9	77.2	5.4	5.4	20.1		13		77				<0.2		2.0	
						6.9	0.5	56	27.7		7.8		21.6		77.5		5.4		20.7		12		77				<0.2		2.1	
IM7	Cloudy	Moderate	09:06	9.0	Surface	1.0	0.9	33	28.2	28.2	7.7	7.7	14.2	14.2	72.2	72.2	5.2	5.1	10.4	16.5	10	13	73	75	821352	806834	<0.2	<0.2	2.2	2.0
						1.0	0.9	35	28.2		7.7		14.2		72.1		5.2		10.6		10		73				<0.2		2.0	
					Middle	4.5	0.7	35	27.8	27.8	7.7	7.8	16.7	16.7	69.0	69.1	4.9		17.6		13		75				<0.2		2.0	
						4.5	0.7	38	27.8		7.8		16.7		69.1		4.9		17.7		12		75				<0.2		1.9	
					Bottom	8.0	0.4	59	27.7	27.7	7.8	7.8	18.3	18.3	75.8	76.0	5.4	5.4	21.3		16		77				<0.2		1.8	
						8.0	0.4	61	27.7		7.8		18.2		76.2		5.4		21.3		17		77				<0.2		1.9	
IM8	Cloudy	Moderate	09:04	9.3	Surface	1.0	0.3	32	29.2	29.2	7.8	7.8	11.1	11.1	71.2	71.2	5.1	5.1	11.2	13.7	9	11	69	73	821701	807823	<0.2	<0.2	2.5	2.5
						1.0	0.3	33	29.2		7.8		11.1		71.2		5.1		11.2		10		71				<0.2		2.6	
					Middle	4.7	0.3	26	28.8	28.8	7.9	7.9	12.6	12.6	69.0	69.0	5.0		13.2		10		73				<0.2		2.5	
						4.7	0.3	27	28.8		7.9		12.6		69.0		5.0		13.2		8		74				<0.2		2.5	
					Bottom	8.3	0.2	63	28.6	28.6	7.9	7.9	16.1	16.1	73.0	73.0	5.2	5.2	16.8		15		75				<0.2		2.3	
						8.3	0.2	63	28.6		7.9		16.1		73.0		5.2		16.8		14		74				<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 27 June 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	08:55	8.5	Surface	1.0	0.2	49	29.0	29.0	7.8	7.8	11.4	11.4	68.3	68.3	4.9	4.9	10.0	13.1	9	8	70	73	822081	808814	<0.2	<0.2	2.8	2.8
						1.0	0.2	53	29.0		7.8		11.4		68.3		4.9		10.0		7		71				<0.2		2.8	
					Middle	4.3	0.1	35	28.8	28.8	7.8	7.8	12.0	12.0	68.4	68.4	4.9		13.2		8		74				<0.2		2.8	
						4.3	0.1	35	28.8		7.8		12.0		68.4		4.9		13.2		9		73				<0.2		2.6	
					Bottom	7.5	0.1	208	28.7	28.7	7.8	7.8	13.1	13.1	69.5	69.5	5.0	5.0	16.2		9		75				<0.2		2.7	
						7.5	0.1	217	28.7		7.8		13.1		69.5		5.0		16.2		8		75				<0.2		2.8	
IM10	Cloudy	Moderate	08:47	8.2	Surface	1.0	0.4	289	28.5	28.5	7.8	7.8	13.0	13.0	69.5	69.5	5.0	4.9	9.4	11.2	7	6	69	73	822228	809857	<0.2	<0.2	2.5	2.4
						1.0	0.4	313	28.5		7.8		13.0		69.5		5.0		9.4		6		70				<0.2		2.5	
					Middle	4.1	0.6	313	28.2	28.2	7.8	7.8	14.3	14.3	66.7	66.7	4.8		10.8		6		72				<0.2		2.4	
						4.1	0.6	318	28.2		7.8		14.3		66.7		4.8		10.8		6		73				<0.2		2.5	
					Bottom	7.2	0.4	338	27.8	27.8	7.8	7.8	16.8	16.8	63.5	63.5	4.5	4.5	13.5		6		76				<0.2		2.4	
						7.2	0.4	311	27.8		7.8		16.8		63.5		4.5		13.5		6		75				<0.2		2.2	
IM11	Cloudy	Moderate	08:37	8.9	Surface	1.0	0.4	301	28.4	28.4	7.8	7.8	13.6	13.6	68.0	68.0	4.9	4.7	10.7	13.1	5	8	71	74	821512	810557	<0.2	<0.2	2.4	2.4
						1.0	0.4	315	28.4		7.8		13.6		68.0		4.9		10.7		7		72				<0.2		2.5	
					Middle	4.5	0.3	310	27.7	27.7	7.8	7.8	17.3	17.3	61.9	61.9	4.4		12.4		5		75				<0.2		2.5	
						4.5	0.3	319	27.7		7.8		17.3		61.9		4.4		12.4		6		75				<0.2		2.4	
					Bottom	7.9	0.2	295	27.7	27.7	7.9	7.9	17.7	17.7	63.9	63.9	4.6	4.6	16.2		13		76				<0.2		2.2	
						7.9	0.2	317	27.7		7.9		17.7		63.9		4.6		16.2		14		76				<0.2		2.4	
IM12	Cloudy	Moderate	08:27	9.5	Surface	1.0	0.4	266	28.4	28.4	7.8	7.8	13.3	13.3	68.8	68.8	5.0	4.8	9.6	11.8	8	8	71	74	821146	811536	<0.2	<0.2	2.6	2.3
						1.0	0.4	272	28.4		7.8		13.3		68.8		5.0		9.6		7		72				<0.2		2.6	
					Middle	4.8	0.4	248	28.0	28.0	7.8	7.8	15.5	15.5	64.4	64.4	4.6		10.6		7		75				<0.2		2.4	
						4.8	0.4	266	28.0		7.8		15.5		64.4		4.6		10.6		6		74				<0.2		2.4	
					Bottom	8.5	0.0	175	27.3	27.3	7.9	7.9	19.8	19.8	59.3	59.3	4.2	4.2	15.2		10		76				<0.2		1.9	
						8.5	0.0	189	27.3		7.9		19.8		59.3		4.2		15.2		11		76				<0.2		2.0	
SR2	Cloudy	Moderate	08:02	4.8	Surface	1.0	0.1	178	28.2	28.2	7.8	7.8	14.4	14.4	63.9	63.9	4.6	4.6	10.2	13.3	6	11	72	74	821478	814182	<0.2	<0.2	2.5	2.2
						1.0	0.2	194	28.2		7.8		14.4		63.9		4.6		10.2		7		71				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	50	27.3	27.3	7.9	7.9	19.8	19.8	59.1	59.1	4.2	4.2	16.3		16		76				<0.2		1.8	
						3.8	0.0	52	27.3		7.9		19.8		59.1		4.2		16.3		16		75				<0.2		1.8	
SR3	Cloudy	Moderate	09:08	9.7	Surface	1.0	0.5	359	29.0	29.0	7.8	7.8	11.6	11.6	71.9	71.9	5.2	5.1	10.1	12.4	8	8	-	-	822135	807566	-	-	-	-
						1.0	0.5	330	29.0		7.8		11.6		71.9		5.2		10.1		8		-				-		-	
					Middle	4.9	0.5	34	28.5	28.6	7.8	7.8	15.1	15.0	69.2	69.3	4.9		11.8		7		-				-		-	
						4.9	0.5	34	28.6		7.8		14.9		69.3		4.9		11.8		7		-				-		-	
					Bottom	8.7	0.3	58	28.4	28.4	7.8	7.8	17.5	17.5	70.8	70.8	5.0	5.0	15.2		8		-				-		-	
						8.7	0.3	59	28.4		7.8		17.5		70.8		5.0		15.2		8		-				-		-	
SR4A	Cloudy	Moderate	07:33	9.2	Surface	1.0	0.1	61	28.2	28.2	7.7	7.7	14.1	14.1	76.9	76.9	5.6	5.5	8.8	10.6	7	10	-	-	817184	807795	-	-	-	-
						1.0	0.1	65	28.2		7.7		14.1		76.9		5.6		8.8		8		-				-		-	
					Middle	4.6	0.1	258	28.1	28.1	7.7	7.7	16.0	16.0	75.3	75.3	5.4		10.8		10		-				-		-	
						4.6	0.1	258	28.1		7.7		16.0		75.3		5.4		10.8		10		-				-		-	
					Bottom	8.2	0.1	256	28.0	28.0	7.7	7.7	17.0	17.0	79.4	79.6	5.7	5.7	12.1		11		-				-		-	
						8.2	0.1	257	28.0		7.7		17.0		79.7		5.7		12.1		11		-				-		-	
SR5A	Cloudy	Moderate	07:16	5.8	Surface	1.0	0.1	290	28.2	28.2	7.7	7.7	16.4	16.4	73.5	73.5	5.2	5.2	11.2	12.2	7	10	-	-	816591	810688	-	-	-	-
						1.0	0.1	312	28.2		7.7		16.4		73.5		5.2		11.3		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.1	321	28.0	28.0	7.7	7.7	17.1	17.1	78.1	78.3	5.6	5.6	13.2		12		-				-		-	
						4.8	0.1	349	28.0		7.7		17.1		78.4		5.6		13.2		12		-				-		-	
SR6	Cloudy	Moderate	06:47	4.7	Surface	1.0	0.2	221	28.3	28.3	7.7	7.7	12.6	12.6	74.5	74.5	5.4	5.4	8.0	8.4	7	8	-	-	817910	814649	-	-	-	-
						1.0	0.2	235	28.3		7.7		12.6		74.5		5.4		8.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	254	28.2	28.2	7.7	7.7	13.7	13.8	77.5	77.6	5.6	5.6	8.8		10		-				-		-	
						3.7	0.1	277	28.2		7.7		13.9		77.7		5.6		8.8		8		-				-		-	
SR7	Cloudy	Moderate	07:07	16.8	Surface	1.0	0.1	19	28.4	28.4	7.8	7.8	13.8	13.8	70.4	70.4	5.1	5.0	6.9	9.9	5	6	-	-	823645	823751	-	-	-	-
						1.0	0.1	19	28.4		7.8		13.8		70.4		5.1		6.9		4		-				-		-	
					Middle	8.4	0.1	324	27.0	27.0	7.9	7.9	22.2	22.2	67.5	67.5	4.9		8.0		4		-				-		-	
						8.4	0.1	338	27.0		7.9		22.2		67.5		4.9		8.0		4		-				-		-	
					Bottom	15.8	1.0	-	25.0	25.0	7.9	7.9	29.9	29.9	51.2	51.2	3.6	3.6	14.7		7		-				-		-	
						15.8	1.0	-	25.0		7.9		29.9		51.2		3.6		14.7		9		-				-		-	
SR8	Cloudy	Moderate	08:19	5.2	Surface	1.0	0.1	50	28.4	28.4	7.8	7.8	13.6	13.6	67.6	67.6	4.9	4.9	14.1	16.5	5	4	-	-	820406	811592	-	-	-	-
						1.0	0.2	51	28.4		7.8		13.6		67.6		4.9		14.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	242	27.8	27.8	7.8	7.8	17.4	17.4	63.0	63.0	4.5	4.5	18.8		4		-				-		-	
						4.2	0.2	248	27.8		7.8		17.4		63.0		4.5		18.8		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 27 June 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	14:51	9.2	Surface	1.0	0.4	255	28.4	28.4	7.9	7.9	15.6	15.6	73.2	73.1	5.2	4.5	9.1	12.8	12	14	72	75	815604	804238	<0.2	<0.2	1.6	1.4
						1.0	0.4	263	28.4		7.9		15.6		72.9		5.2		8.9		11		72				<0.2		1.6	
					Middle	4.6	0.1	232	25.8	25.8	7.8	7.8	27.5	27.5	53.7	53.8	3.7		11.3		10		75				<0.2		1.7	
						4.6	0.1	252	25.8		7.8		27.5		53.8		3.8		11.4		12		75				<0.2		1.7	
					Bottom	8.2	0.2	166	25.4	25.4	7.8	7.8	30.8	30.8	70.2	72.7	4.8	5.0	17.9		18		76				<0.2		0.9	
						8.2	0.2	175	25.4		7.8		30.7		75.2		5.2		18.0		18		77				<0.2		0.7	
C2	Cloudy	Moderate	13:53	13.6	Surface	1.0	0.2	52	29.2	29.2	7.7	7.7	11.1	11.1	68.5	68.5	4.9	4.7	9.5	12.3	7	10	69	72	825685	806955	<0.2	<0.2	2.7	2.7
						1.0	0.2	56	29.2		7.7		11.1		68.5		4.9		9.5		9		69				<0.2		2.7	
					Middle	6.8	0.1	185	28.8	28.8	7.7	7.7	13.3	13.3	63.1	63.1	4.5		10.9		11		72				<0.2		2.5	
						6.8	0.1	186	28.8		7.7		13.3		63.1		4.5		10.9		10		71				<0.2		2.5	
					Bottom	12.6	0.1	198	28.4	28.4	7.7	7.7	20.7	20.7	65.6	65.6	4.6	4.6	16.5		11		75				<0.2		2.9	
						12.6	0.2	208	28.4		7.7		20.7		65.6		4.6		16.5		11		76				<0.2		2.7	
C3	Cloudy	Moderate	15:29	12.9	Surface	1.0	0.5	96	28.9	28.9	7.8	7.8	14.8	14.8	72.6	72.6	5.2	4.8	7.3	6.7	4	6	70	74	822122	817784	<0.2	<0.2	2.4	1.8
						1.0	0.5	99	28.9		7.8		14.8		72.6		5.2		7.3		6		71				<0.2		2.2	
					Middle	6.5	0.1	162	26.5	26.5	7.9	7.9	24.0	24.0	61.5	61.5	4.3		6.3		6		75				<0.2		1.7	
						6.5	0.1	164	26.5		7.9		24.0		61.5		4.3		6.3		8		75				<0.2		1.8	
					Bottom	11.9	0.8	139	25.8	25.8	7.9	7.9	27.2	27.2	63.4	63.4	4.4	4.4	6.5		6		77				<0.2		1.2	
						11.9	0.8	143	25.8		7.9		27.2		63.4		4.4		6.5		6		78				<0.2		1.2	
IM1	Cloudy	Moderate	14:34	8.5	Surface	1.0	0.1	217	28.6	28.6	7.8	7.8	13.8	13.8	83.6	83.6	6.0	5.1	7.9	13.5	7	9	72	75	818359	806477	<0.2	<0.2	1.7	1.7
						1.0	0.1	225	28.6		7.8		13.8		83.6		6.0		7.8		8		72				<0.2		1.7	
					Middle	4.3	0.2	97	26.6	26.7	7.8	7.8	25.7	25.6	58.8	58.9	4.1		14.3		9		75				<0.2		1.9	
						4.3	0.2	97	26.8		7.8		25.4		58.9		4.1		14.2		7		75				<0.2		2.0	
					Bottom	7.5	0.1	80	25.9	25.9	7.8	7.8	28.6	28.6	60.8	61.0	4.2	4.2	18.3		11		77				<0.2		1.3	
						7.5	0.1	82	25.9		7.8		28.6		61.1		4.2		18.2		12		77				<0.2		1.4	
IM2	Cloudy	Moderate	14:27	9.4	Surface	1.0	0.1	22	27.9	27.9	7.8	7.8	17.7	17.7	68.6	68.6	4.9	4.7	9.8	13.4	8	9	72	75	818847	806176	<0.2	<0.2	1.8	1.5
						1.0	0.1	23	27.9		7.8		17.7		68.5		4.9		9.8		6		72				<0.2		1.8	
					Middle	4.7	0.2	40	27.0	27.0	7.8	7.8	22.3	22.3	63.7	63.7	4.5		13.1		8		75				<0.2		1.4	
						4.7	0.2	43	27.0		7.8		22.3		63.7		4.5		13.3		10		75				<0.2		1.5	
					Bottom	8.4	0.1	109	26.0	26.0	7.8	7.8	28.1	28.1	77.1	77.6	5.3	5.4	17.2		11		77				<0.2		1.2	
						8.4	0.1	117	26.0		7.8		28.1		78.0		5.4		17.2		13		77				<0.2		1.2	
IM3	Cloudy	Moderate	14:19	9.7	Surface	1.0	0.2	349	28.3	28.3	7.8	7.8	13.7	13.7	74.8	74.3	5.4	5.1	10.3	13.7	7	7	72	74	819409	806006	<0.2	<0.2	1.9	1.7
						1.0	0.2	321	28.3		7.8		13.7		73.8		5.3		10.6		6		72				<0.2		1.9	
					Middle	4.9	0.2	12	27.5	27.6	7.8	7.8	20.2	20.2	68.8	68.8	4.9		13.3		5		75				<0.2		1.8	
						4.9	0.2	12	27.6		7.8		20.1		68.7		4.9		13.2		5		75				<0.2		1.8	
					Bottom	8.7	0.1	94	26.4	26.4	7.8	7.8	26.9	26.9	74.4	74.8	5.2	5.2	17.1		9		76				<0.2		1.4	
						8.7	0.1	94	26.4		7.8		26.9		75.2		5.2		17.4		11		76				<0.2		1.6	
IM4	Cloudy	Moderate	14:11	9.6	Surface	1.0	0.3	356	28.7	28.7	7.8	7.8	13.9	13.9	81.0	81.0	5.8	5.0	7.4	13.5	7	13	72	74	819579	805032	<0.2	<0.2	1.7	1.5
						1.0	0.4	328	28.7		7.8		13.9		80.9		5.8		7.5		6		72				<0.2		1.7	
					Middle	4.8	0.2	82	26.3	26.3	7.8	7.8	26.7	26.7	59.0	59.2	4.1		14.0		7		74				<0.2		1.8	
						4.8	0.2	84	26.3		7.8		26.6		59.4		4.1		14.8		6		75				<0.2		1.8	
					Bottom	8.6	0.2	84	26.2	26.2	7.8	7.8	28.3	28.3	73.8	74.3	5.1	5.2	18.6		26		76				<0.2		1.2	
						8.6	0.2	90	26.2		7.8		28.2		74.8		5.2		18.4		25		76				<0.2		0.9	
IM5	Cloudy	Moderate	14:01	8.4	Surface	1.0	0.5	15	28.7	28.7	7.8	7.8	13.9	13.9	79.0	79.0	5.7	5.0	7.7	12.8	6	7	72	74	820553	804935	<0.2	<0.2	1.7	1.6
						1.0	0.6	16	28.7		7.8		13.9		78.9		5.7		7.8		7		71				<0.2		1.7	
					Middle	4.2	0.2	88	26.8	26.8	7.8	7.8	23.2	23.1	60.7	60.8	4.3		14.2		6		75				<0.2		1.7	
						4.2	0.3	88	26.8		7.8		23.0		60.8		4.3		14.2		7		75				<0.2		1.7	
					Bottom	7.4	0.2	20	26.2	26.3	7.8	7.8	28.1	28.1	73.1	74.0	5.0	5.1	16.6		9		76				<0.2		1.4	
						7.4	0.2	20	26.3		7.8		28.1		74.9		5.2		16.2		8		76				<0.2		1.3	
IM6	Cloudy	Moderate	13:52	7.3	Surface	1.0	0.4	11	28.3	28.3	7.8	7.8	14.8	14.8	77.6	77.6	5.6	5.2	11.2	14.3	13	16	72	74	821045	805845	<0.2	<0.2	1.5	1.6
						1.0	0.5	11	28.3		7.8		14.8		77.5		5.6		11.2		14		71				<0.2		1.7	
					Middle	3.7	0.3	14	27.8	27.8	7.8	7.8	16.6	16.7	65.1	65.0	4.7		14.0		14		75				<0.2		1.7	
						3.7	0.3	15	27.7		7.8		16.7		64.9		4.7		14.2		15		75				<0.2		1.6	
					Bottom	6.3	0.4	71	27.2	27.2	7.8	7.8	23.7	23.7	68.6	68.8	4.8	4.8	17.6		18		76				<0.2		1.5	
						6.3	0.4	75	27.2		7.8		23.6		69.0		4.8		17.8		20		76				<0.2		1.5	
IM7	Cloudy	Moderate	13:44	8.9	Surface	1.0	0.5	46	28.3	28.3	7.8	7.8	14.3	14.3	74.8	74.4	5.4	5.0	11.0	16.3	6	14	71	74	821352	806834	<0.2	<0.2	1.8	1.7
						1.0	0.6	49	28.3		7.8		14.2		73.9		5.3		11.6		5		72				<0.2		1.9	
					Middle	4.5	0.4	68	27.7	27.7	7.8	7.8	17.8	17.8	64.5	64.5	4.6		16.8		14		74				<0.2		1.6	
						4.5	0.4	72	27.7		7.8		17.8		64.5		4.6		16.7		14		75				<0.2		1.6	
					Bottom	7.9	0.4	106	27.2	27.2	7.8	7.8	20.5	20.9	67.6	67.8	4.8	4.8	20.7		20		76				<0.2		1.6	
						7.9	0.5	110	27.2		7.8		21.3		68.0		4.8		20.7		22		76				<0.2		1.7	
IM8	Cloudy	Moderate	14:20	9.3	Surface	1.0	0.5	78	29.2	29.2	7.9	7.9	13.4	13.4	78.9	78.9	5.6	5.2	9.0	12.7	8	10	70	72	821701	807823	<0.2	<0.2	1.8	1.7
						1.0	0.5	84	29.2		7.9		13.4		78.8		5.6		9.3		9		69				<0.2		1.8	
					Middle	4.7	0.8	77	28.5	28.5	7.8	7.8	16.3	16.3	68.4	68.4	4.8		12.2		12		72				<0.2		1.6	
						4.7	0.8	80	28.5		7.8		16.3		68.4		4.8		12.2		10		71				<0.2		1.7	
					Bottom	8.3	0.4	69	28.6	28.6	7.8	7.8	18.9	18.9	79.6	79.6	5.6	5.6	16.7		11		75				<0.2		1.8	
						8.3	0.4	75	28.6		7.8		18.9		79.6		5.6		16.7		11		74				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 June 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	14:28	8.5	Surface	1.0	0.5	73	29.1	29.1	8.0	8.0	13.1	13.1	74.2	74.2	5.3	5.1	13.2	16.4	8	10	69	73	822081	808814	<0.2	<0.2	2.0	1.9
						1.0	0.5	73	29.1		8.0		13.1		74.2		5.3		13.2		9		70				<0.2		2.0	
					Middle	4.3	0.5	91	28.6	28.6	7.9	7.9	16.4	16.4	67.1	67.1	4.8		19.1		10		72				<0.2		2.0	
						4.3	0.5	91	28.6		7.9		16.4		67.1		4.8		19.1		10		73				<0.2		2.0	
					Bottom	7.5	0.3	53	28.6	28.6	7.9	7.9	18.3	18.3	73.5	73.5	5.1	5.1	16.8		13		75				<0.2		1.8	
						7.5	0.3	53	28.6		7.9		18.3		73.5		5.1		16.8		12		76				<0.2		1.8	
IM10	Cloudy	Moderate	14:35	7.6	Surface	1.0	0.3	78	28.6	28.6	7.8	7.8	15.1	15.1	68.1	68.1	4.9	4.8	8.8	12.2	11	16	71	73	822228	809857	<0.2	<0.2	1.9	1.8
						1.0	0.3	83	28.6		7.8		15.1		68.1		4.9		8.8		10		71				<0.2		1.9	
					Middle	3.8	0.5	82	28.6	28.6	7.8	7.8	15.9	15.9	64.4	64.4	4.6		12.1		20		73				<0.2		1.8	
						3.8	0.5	87	28.6		7.8		15.9		64.4		4.6		12.1		19		74				<0.2		1.7	
					Bottom	6.6	0.3	67	28.5	28.5	7.8	7.8	16.3	16.3	63.8	63.8	4.5	4.5	15.6		18		75				<0.2		1.6	
						6.6	0.4	69	28.5		7.8		16.3		63.8		4.5		15.6		18		74				<0.2		1.7	
IM11	Cloudy	Moderate	14:45	9.6	Surface	1.0	0.5	111	29.1	29.1	8.0	8.0	13.8	13.8	72.3	72.3	5.2	4.9	13.9	13.3	13	13	72	73	821512	810557	<0.2	<0.2	1.8	1.9
						1.0	0.5	119	29.1		8.0		13.8		72.3		5.2		13.9		13		70				<0.2		1.8	
					Middle	4.8	0.4	116	28.4	28.4	7.8	7.8	16.2	16.2	64.4	64.4	4.6		14.1		12		74				<0.2		1.9	
						4.8	0.4	124	28.4		7.8		16.2		64.4		4.6		14.1		14		73				<0.2		2.0	
					Bottom	8.6	0.3	126	28.4	28.4	7.8	7.8	17.3	17.3	74.5	74.5	5.3	5.3	12.0		12		74				<0.2		1.8	
						8.6	0.4	135	28.4		7.8		17.3		74.5		5.3		12.0		12		75				<0.2		1.8	
IM12	Cloudy	Moderate	14:51	8.4	Surface	1.0	0.6	114	29.1	29.1	8.0	8.0	13.4	13.4	71.3	71.3	5.1	4.9	12.1	13.3	9	10	70	73	821146	811536	<0.2	<0.2	2.0	1.8
						1.0	0.6	120	29.1		8.0		13.4		71.3		5.1		12.1		10		72				<0.2		2.1	
					Middle	4.2	0.4	109	28.7	28.7	7.8	7.8	14.2	14.2	65.8	65.8	4.7		13.6		10		74				<0.2		1.7	
						4.2	0.4	116	28.7		7.8		14.2		65.8		4.7		13.6		10		73				<0.2		1.7	
					Bottom	7.4	0.3	132	28.4	28.4	7.8	7.8	16.7	16.7	66.6	66.6	4.7	4.7	14.1		9		75				<0.2		1.7	
						7.4	0.3	143	28.4		7.8		16.7		66.6		4.7		14.1		11		76				<0.2		1.8	
SR2	Cloudy	Moderate	15:12	4.8	Surface	1.0	0.5	90	28.7	28.7	7.8	7.8	13.6	13.6	75.6	75.6	5.4	5.4	8.1	7.9	6	6	72	75	821478	814182	<0.2	<0.2	1.8	1.9
						1.0	0.5	93	28.7		7.8		13.6		75.6		5.4		8.1		5		74				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	27	28.6	28.6	7.8	7.8	13.9	13.9	77.8	77.8	5.6	5.6	7.6		7		77				<0.2		1.9	
						3.8	0.1	27	28.6		7.8		13.9		77.8		5.6		7.6		6		76				<0.2		1.8	
SR3	Cloudy	Moderate	14:15	9.8	Surface	1.0	0.6	99	29.3	29.3	7.9	7.9	11.8	11.8	77.8	77.8	5.6	5.4	11.1	13.7	5	8	-	-	822135	807566	-	-	-	-
						1.0	0.7	101	29.3		7.9		11.8		77.8		5.6		11.1		6		-				-		-	
					Middle	4.9	0.6	98	28.7	28.7	7.8	7.8	14.1	14.1	72.6	72.6	5.2		13.8		9		-				-		-	
						4.9	0.6	99	28.7		7.8		14.1		72.6		5.2		13.8		8		-				-		-	
					Bottom	8.8	0.2	108	28.1	28.1	7.9	7.9	19.3	19.3	61.7	61.7	4.3	4.3	16.3		9		-				-		-	
						8.8	0.2	114	28.1		7.9		19.3		61.7		4.3		16.3		10		-				-		-	
SR4A	Cloudy	Moderate	15:12	9.0	Surface	1.0	0.4	47	28.6	28.6	7.8	7.8	13.6	13.6	82.6	82.6	5.9	4.9	10.1	12.9	11	10	-	-	817184	807795	-	-	-	-
						1.0	0.4	51	28.6		7.8		13.6		82.6		5.9		10.1		10		-				-		-	
					Middle	4.5	0.4	49	26.5	26.5	7.8	7.8	25.4	25.4	55.0	55.1	3.8		12.3		10		-				-		-	
						4.5	0.5	52	26.5		7.8		25.4		55.1		3.8		12.0		9		-				-		-	
					Bottom	8.0	0.4	55	26.4	26.4	7.8	7.8	26.0	26.0	61.3	61.5	4.3	4.3	16.1		10		-				-		-	
						8.0	0.4	56	26.4		7.8		26.0		61.7		4.3		16.6		11		-				-		-	
SR5A	Cloudy	Moderate	15:27	5.9	Surface	1.0	0.2	11	28.6	28.6	7.8	7.8	15.0	15.1	79.9	79.9	5.7	5.7	11.6	13.1	9	11	-	-	816591	810688	-	-	-	-
						1.0	0.2	11	28.6		7.8		15.1		79.8		5.7		11.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.1	76	28.1	28.2	7.7	7.7	17.1	17.1	82.9	83.1	5.9	5.9	14.7		13		-				-		-	
						4.9	0.1	78	28.2		7.7		17.1		83.3		5.9		14.5		11		-				-		-	
SR6	Cloudy	Moderate	15:48	5.0	Surface	1.0	0.2	20	28.4	28.4	7.8	7.8	14.1	14.1	79.1	79.1	5.7	5.7	10.7	12.0	5	8	-	-	817910	814649	-	-	-	-
						1.0	0.2	20	28.4		7.8		14.1		79.1		5.7		10.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	55	28.3	28.3	7.8	7.8	15.6	15.6	86.0	86.2	6.1	6.2	13.4		10		-				-		-	
						4.0	0.1	58	28.3		7.8		15.6		86.4		6.2		13.0		9		-				-		-	
SR7	Cloudy	Moderate	15:58	16.7	Surface	1.0	0.8	90	29.2	29.2	7.9	7.9	14.1	14.1	78.7	78.7	5.6	5.3	6.2	7.0	4	4	-	-	823645	823751	-	-	-	-
						1.0	0.8	97	29.2		7.9		14.1		78.7		5.6		6.2		3		-				-		-	
					Middle	8.4	0.1	125	27.9	27.9	7.8	7.8	18.3	18.3	69.7	69.7	4.9		6.6		3		-				-		-	
						8.4	0.1	130	27.9		7.8		18.3		69.7		4.9		6.6		4		-				-		-	
					Bottom	15.7	0.8	137	26.7	26.7	7.8	7.8	21.3	21.3	64.3	64.3	4.6	4.6	8.2		4		-				-		-	
						15.7	0.8	149	26.7		7.8		21.3		64.3		4.6		8.2		5		-				-		-	
SR8	Cloudy	Moderate	15:01	5.2	Surface	1.0	0.6	111	29.4	29.4	7.8	7.8	12.1	12.1	72.5	72.5	5.2	5.2	10.7	12.2	10	10	-	-	820406	811592	-	-	-	-
						1.0	0.7	116	29.4		7.8		12.1		72.5		5.2		10.7		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	115	28.6	28.6	7.8	7.8	15.9	15.9	67.9	67.9	4.8	4.8	13.7		10		-				-		-	
						4.2	0.2	116	28.6		7.8		15.9		67.9		4.8		13.7		11		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 June 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	09:37	6.5	Surface	1.0	0.3	54	28.6	28.6	7.7	7.7	11.7	11.7	73.8	73.8	5.4	5.4	7.4	10.4	7	8	73	75	815605	804255	<0.2	<0.2	2.1	2.3
						1.0	0.3	55	28.6		7.7		11.7		73.8		5.4		7.4		6		73				<0.2		2.2	
					Middle	3.3	0.4	27	28.0	28.0	7.8	7.8	15.1	15.1	73.4	73.5	5.3		12.0		8		76				<0.2		2.4	
						3.3	0.4	28	28.0		7.8		15.1		73.5		5.3		12.2		6		76				<0.2		2.4	
					Bottom	5.5	0.3	7	28.0	28.1	7.8	7.8	20.2	20.1	84.4	84.8	5.9	6.0	12.0		10		77				<0.2		2.4	
						5.5	0.3	7	28.1		7.8		20.0		85.1		6.0		11.2		11		77				<0.2		2.4	
C2	Cloudy	Moderate	11:05	11.3	Surface	1.0	0.3	304	29.0	29.0	7.7	7.7	10.3	10.3	68.6	68.6	5.0	4.7	8.2	8.7	8	9	70	74	825681	806940	<0.2	<0.2	2.4	2.1
						1.0	0.3	327	29.0		7.7		10.3		68.6		5.0		8.2		8		70				<0.2		2.4	
					Middle	5.7	0.3	320	28.6	28.6	7.8	7.8	17.0	17.0	60.9	60.9	4.3		8.6		8		74				<0.2		2.2	
						5.7	0.3	333	28.6		7.8		17.0		60.9		4.3		8.6		10		74				<0.2		2.2	
					Bottom	10.3	0.7	3	27.9	27.9	7.8	7.8	20.0	20.0	62.9	62.9	4.4	4.4	9.2		8		77				<0.2		1.8	
						10.3	0.7	3	27.9		7.8		20.0		62.9		4.4		9.2		10		77				<0.2		1.6	
C3	Cloudy	Moderate	09:06	12.6	Surface	1.0	0.5	266	28.4	28.4	7.8	7.8	13.6	13.6	67.4	67.4	4.9	4.7	8.2	7.8	5	8	72	75	822092	817790	<0.2	<0.2	2.3	2.1
						1.0	0.5	280	28.4		7.8		13.6		67.4		4.9		8.2		6		73				<0.2		2.4	
					Middle	6.3	0.3	243	27.8	27.8	7.9	7.9	18.3	18.3	63.7	63.7	4.5		7.7		7		76				<0.2		1.9	
						6.3	0.3	263	27.8		7.9		18.3		63.7		4.5		7.7		8		76				<0.2		2.1	
					Bottom	11.6	0.3	2	26.8	26.8	7.9	7.9	24.1	24.1	64.2	64.2	4.5	4.5	7.5		12		77				<0.2		1.8	
						11.6	0.3	2	26.8		7.9		24.1		64.2		4.5		7.5		11		78				<0.2		1.8	
IM1	Cloudy	Moderate	09:48	7.7	Surface	1.0	0.6	2	28.1	28.1	7.8	7.8	17.3	17.3	67.7	67.7	4.8	4.9	7.9	9.0	8	10	73	75	818357	806472	<0.2	<0.2	2.0	2.1
						1.0	0.7	2	28.1		7.8		17.3		67.6		4.8		8.1		8		74				<0.2		2.2	
					Middle	3.9	0.6	8	27.7	27.7	7.8	7.8	18.1	18.1	69.3	69.4	4.9		9.4		8		75				<0.2		2.1	
						3.9	0.6	8	27.7		7.8		18.1		69.5		5.0		9.4		8		75				<0.2		2.2	
					Bottom	6.7	0.3	350	27.7	27.7	7.8	7.8	20.0	20.0	79.0	79.4	5.6	5.6	9.5		13		77				<0.2		2.2	
						6.7	0.3	322	27.7		7.8		20.0		79.7		5.6		9.4		14		77				<0.2		2.0	
IM2	Cloudy	Moderate	09:59	8.5	Surface	1.0	0.8	355	27.9	27.9	7.8	7.8	18.2	18.2	64.5	64.5	4.6	4.5	8.3	9.2	10	11	75	76	818842	806185	<0.2	<0.2	1.7	1.5
						1.0	0.8	327	27.9		7.8		18.2		64.4		4.6		8.4		8		75				<0.2		1.9	
					Middle	4.3	0.6	16	26.9	27.0	7.8	7.8	22.8	22.8	63.1	64.0	4.4		9.8		11		76				<0.2		1.6	
						4.3	0.6	16	27.1		7.8		22.7		64.9		4.5		9.7		10		76				<0.2		1.6	
					Bottom	7.5	0.3	11	27.0	27.0	7.8	7.8	23.6	23.6	75.7	76.1	5.3	5.3	9.6		15		77				<0.2		1.1	
						7.5	0.3	11	27.0		7.8		23.5		76.4		5.3		9.6		12		77				<0.2		1.2	
IM3	Cloudy	Moderate	10:05	7.2	Surface	1.0	0.7	347	27.8	27.8	7.8	7.8	18.7	18.7	63.7	63.7	4.5	4.6	8.1	9.2	9	10	75	76	819422	806026	<0.2	<0.2	1.5	1.4
						1.0	0.8	353	27.8		7.8		18.7		63.7		4.5		8.1		10		75				<0.2		1.4	
					Middle	3.6	0.4	337	27.2	27.2	7.8	7.8	21.6	21.6	64.1	64.1	4.7		9.3		10		76				<0.2		1.4	
						3.6	0.4	359	27.2		7.8		21.6		64.1		4.7		9.4		10		76				<0.2		1.5	
					Bottom	6.2	0.3	6	26.5	26.5	7.8	7.8	25.7	25.7	69.4	69.7	4.8	4.9	10.2		10		77				<0.2		1.4	
						6.2	0.4	6	26.5		7.8		25.7		70.0		4.9		10.2		12		77				<0.2		1.4	
IM4	Cloudy	Moderate	10:15	7.4	Surface	1.0	0.3	22	27.6	27.6	7.8	7.8	19.5	19.6	64.3	64.2	4.6	4.5	8.3	9.0	8	10	75	76	819571	805022	<0.2	<0.2	1.6	1.4
						1.0	0.3	23	27.6		7.8		19.6		64.0		4.5		8.3		8		75				<0.2		1.6	
					Middle	3.7	0.3	20	26.9	26.9	7.8	7.8	22.9	22.9	64.2	64.3	4.5		9.4		10		76				<0.2		1.5	
						3.7	0.3	21	26.9		7.8		22.9		64.4		4.5		9.4		10		76				<0.2		1.4	
					Bottom	6.4	0.3	30	27.0	27.0	7.8	7.8	23.2	23.2	77.8	77.8	5.5	5.5	9.1		12		77				<0.2		1.2	
						6.4	0.3	32	27.0		7.8		23.1		77.8		5.4		9.2		12		77				<0.2		1.2	
IM5	Cloudy	Moderate	10:27	7.3	Surface	1.0	0.2	345	28.3	28.3	7.8	7.8	14.2	14.3	71.9	71.9	5.2	5.1	7.4	9.4	8	9	73	75	820552	804929	<0.2	<0.2	2.4	2.2
						1.0	0.2	317	28.3		7.8		14.4		71.9		5.2		7.5		8		74				<0.2		2.4	
					Middle	3.7	0.4	346	28.0	28.0	7.9	7.9	17.7	17.7	69.4	69.4	4.9		9.9		8		75				<0.2		2.3	
						3.7	0.5	353	28.0		7.9		17.7		69.4		4.9		10.0		9		75				<0.2		2.1	
					Bottom	6.3	0.4	355	26.2	26.2	7.8	7.8	26.3	26.3	72.5	72.9	5.1	5.1	10.7		10		77				<0.2		2.0	
						6.3	0.4	327	26.2		7.8		26.3		73.2		5.1		10.8		10		78				<0.2		2.0	
IM6	Cloudy	Moderate	10:37	7.4	Surface	1.0	0.5	328	28.5	28.5	7.8	7.8	12.7	12.8	73.0	72.9	5.3	5.2	7.1	11.0	8	11	75	76	821078	805813	<0.2	<0.2	2.1	1.8
						1.0	0.5	328	28.5		7.8		12.8		72.7		5.3		7.1		9		75				<0.2		2.2	
					Middle	3.7	0.7	341	28.3	28.3	7.9	7.9	17.2	17.2	70.7	70.7	5.0		7.0		8		76				<0.2		1.9	
						3.7	0.8	314	28.3		7.9		17.2		70.7		5.0		7.0		8		76				<0.2		2.0	
					Bottom	6.4	0.4	358	26.7	26.7	7.9	7.9	24.7	24.8	70.1	70.4	4.9	4.9	18.7		16		77				<0.2		1.3	
						6.4	0.5	329	26.7		7.9		24.9		70.7		4.9		18.8		16		77				<0.2		1.3	
IM7	Cloudy	Moderate	10:46	7.6	Surface	1.0	0.3	319	28.5	28.5	7.7	7.7	10.2	10.2	71.9	71.9	5.3	5.2	7.7	10.1	6	7	75	76	821365	806842	<0.2	<0.2	2.0	2.1
						1.0	0.3	343	28.5		7.7		10.1		71.8		5.3		7.7		6		75				<0.2		2.0	
					Middle	3.8	0.4	9	28.2	28.2	7.8	7.8	15.2	15.2	69.8	69.8	5.0		9.7		6		76				<0.2		2.0	
						3.8	0.5	9	28.2		7.8		15.2		69.8		5.0		9.7		6		76				<0.2		1.9	
					Bottom	6.6	0.5	41	27.2	27.2	7.8	7.8	21.1	21.1	68.6	68.7	4.8	4.9	12.7		8		77				<0.2		2.2	
						6.6	0.6	42	27.2		7.8		21.1		68.8		4.9		12.8		10		77				<0.2		2.2	
IM8	Cloudy	Moderate	10:33	8.4	Surface	1.0	0.2	274	28.8	28.8	7.7	7.7	8.3	8.3	68.2	68.2	5.0	4.9	10.1	11.5	6	7	70	73	821693	807853	<0.2	<0.2	2.2	2.2
						1.0	0.2	274	28.8		7.7		8.3		68.2		5.0		10.1		7		71				<0.2		2.4	
					Middle	4.2	0.2	241	28.5	28.5	7.8	7.8	11.0	11.0	65.1	65.1	4.8		11.0		8		73				<0.2		2.2	
						4.2	0.2	244	28.5		7.8		11.0		65.1		4.8		11.0		7		73				<0.2		2.1	
					Bottom	7.4	0.2	113	27.8	27.8	7.8	7.8	18.9	18.9	69.9	69.9	4.9	4.9	13.5		8		75				<0.2		2.1	
						7.4	0.2	120	27.8		7.8		18.9		69.9		4.9		13.5		8		76				<0.2		2.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 June 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	10:25	7.5	Surface	1.0	0.2	266	29.1	29.1	7.7	7.7	9.0	9.0	72.0	72.0	5.3	5.1	10.2	12.4	7	7	72	75	822108	808810	<0.2	<0.2	2.2	2.0
						1.0	0.2	292	29.1		7.7		9.0		72.0		5.3		10.2		5		73				<0.2		2.2	
					Middle	3.8	0.3	300	29.0	29.0	7.8	7.8	10.6	10.6	67.9	67.9	4.9		12.7		6		75				<0.2		1.9	
						3.8	0.3	320	29.0		7.8		10.6		67.9		4.9		12.7		6		74				<0.2		2.0	
					Bottom	6.5	0.4	291	28.6	28.6	7.8	7.8	14.5	14.5	64.9	64.9	4.6	4.6	14.4		10		77				<0.2		1.8	
						6.5	0.4	293	28.6		7.8		14.5		64.9		4.6		14.4		9		76				<0.2		1.9	
IM10	Cloudy	Moderate	10:15	8.1	Surface	1.0	0.3	308	29.2	29.2	7.8	7.8	10.4	10.4	71.1	71.1	5.1	5.0	9.8	12.2	6	7	71	74	822223	809847	<0.2	<0.2	2.0	1.9
						1.0	0.3	311	29.2		7.8		10.4		71.1		5.1		9.8		6		72				<0.2		2.0	
					Middle	4.1	0.6	315	29.1	29.1	7.8	7.8	12.8	12.8	66.8	66.8	4.8		10.2		7		74				<0.2		2.0	
						4.1	0.6	343	29.1		7.8		12.8		66.8		4.8		10.2		6		74				<0.2		1.9	
					Bottom	7.1	0.4	282	28.0	28.0	7.9	7.9	17.1	17.1	66.5	66.5	4.7	4.7	16.5		8		75				<0.2		1.7	
						7.1	0.4	302	28.0		7.9		17.1		66.5		4.7		16.5		9		75				<0.2		1.8	
IM11	Cloudy	Moderate	10:05	8.1	Surface	1.0	0.3	293	28.7	28.7	7.8	7.8	11.1	11.1	71.5	71.5	5.2	5.1	9.4	11.5	6	6	71	74	821512	810563	<0.2	<0.2	2.2	2.2
						1.0	0.3	311	28.7		7.8		11.1		71.5		5.2		9.4		5		72				<0.2		2.3	
					Middle	4.1	0.5	288	28.6	28.6	7.9	7.9	12.8	12.8	69.1	69.1	5.0		11.9		6		75				<0.2		2.2	
						4.1	0.5	303	28.6		7.9		12.8		69.1		5.0		11.9		6		74				<0.2		2.1	
					Bottom	7.1	0.3	306	27.5	27.5	7.9	7.9	19.9	19.9	63.8	63.8	4.5	4.5	13.3		7		77				<0.2		2.0	
						7.1	0.3	326	27.5		7.9		19.9		63.8		4.5		13.3		8		77				<0.2		2.3	
IM12	Cloudy	Moderate	09:56	7.1	Surface	1.0	0.3	285	28.8	28.8	7.8	7.8	10.7	10.7	69.7	69.7	5.1	5.0	9.1	9.7	6	7	72	74	821146	811516	<0.2	<0.2	2.3	2.2
						1.0	0.4	293	28.8		7.8		10.7		69.7		5.1		9.1		6		71				<0.2		2.5	
					Middle	3.6	0.7	276	28.5	28.5	7.8	7.8	11.9	11.9	66.1	66.1	4.8		9.6		7		75				<0.2		2.3	
						3.6	0.7	287	28.5		7.8		11.9		66.1		4.8		9.6		6		74				<0.2		2.0	
					Bottom	6.1	0.4	262	27.8	27.8	7.9	7.9	18.0	18.0	67.2	67.2	4.8	4.8	10.5		8		75				<0.2		2.0	
						6.1	0.4	263	27.8		7.9		18.0		67.2		4.8		10.5		8		77				<0.2		2.1	
SR2	Cloudy	Moderate	09:29	4.5	Surface	1.0	0.1	244	28.6	28.6	7.8	7.8	11.7	11.7	69.5	69.5	5.1	5.1	9.8	9.7	6	6	71	74	821469	814178	<0.2	<0.2	2.2	2.2
						1.0	0.1	249	28.6		7.8		11.7		69.5		5.1		9.8		5		72				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	251	28.5	28.5	7.8	7.8	13.0	13.0	70.3	70.7	5.1	5.1	9.7		7		76				<0.2		2.1	
						3.5	0.1	271	28.5		7.8		13.0		71.1		5.1		9.6		6		75				<0.2		2.1	
SR3	Cloudy	Moderate	10:42	9.1	Surface	1.0	0.3	283	29.0	29.0	7.7	7.7	10.9	10.9	67.5	67.5	4.9	4.8	9.1	10.8	5	6	-	-	822149	807551	-	-	-	-
						1.0	0.3	290	29.0		7.7		10.8		67.4		4.9		9.2		5		-				-		-	
					Middle	4.6	0.3	318	28.8	28.8	7.8	7.8	13.1	13.1	65.2	65.2	4.7		9.6		5		-				-		-	
						4.6	0.3	342	28.8		7.8		13.1		65.2		4.7		9.6		6		-				-		-	
					Bottom	8.1	0.7	309	28.4	28.4	7.8	7.8	17.6	17.6	60.0	60.0	4.2	4.2	13.5		7		-				-		-	
						8.1	0.7	309	28.4		7.8		17.6		60.0		4.2		13.5		5		-				-		-	
SR4A	Cloudy	Moderate	09:15	8.4	Surface	1.0	0.3	244	28.1	28.1	7.8	7.8	17.6	17.6	75.3	75.3	5.3	5.2	13.6	15.3	11	14	-	-	817187	807799	-	-	-	-
						1.0	0.3	261	28.1		7.8		17.6		75.2		5.3		13.7		10		-				-		-	
					Middle	4.2	0.3	239	27.7	27.7	7.8	7.8	19.2	19.3	70.7	70.7	5.0		16.7		11		-				-		-	
						4.2	0.3	247	27.7		7.8		19.3		70.6		5.0		16.8		13		-				-		-	
					Bottom	7.4	0.2	262	27.0	27.1	7.8	7.8	24.5	24.5	76.8	77.2	5.3	5.4	15.3		20		-				-		-	
						7.4	0.2	274	27.1		7.8		24.5		77.5		5.4		15.4		20		-				-		-	
SR5A	Cloudy	Moderate	08:58	5.6	Surface	1.0	0.2	266	28.1	28.1	7.8	7.8	18.3	18.3	71.6	71.6	5.1	5.1	12.8	14.4	11	11	-	-	816602	810705	-	-	-	-
						1.0	0.2	288	28.1		7.8		18.3		71.6		5.1		12.9		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	303	27.5	27.5	7.8	7.8	20.2	20.2	73.5	73.7	5.2	5.2	15.8		12		-				-		-	
						4.6	0.1	303	27.5		7.8		20.2		73.9		5.2		15.9		11		-				-		-	
SR6	Cloudy	Moderate	08:33	4.2	Surface	1.0	0.2	261	28.4	28.4	7.7	7.7	14.2	14.2	76.8	76.8	5.5	5.5	6.8	6.8	7	7	-	-	817884	814677	-	-	-	-
						1.0	0.2	282	28.4		7.7		14.2		76.8		5.5		6.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	199	28.4	28.4	7.7	7.7	14.1	14.1	76.3	75.7	5.5	5.5	6.8		8		-				-		-	
						3.2	0.0	206	28.4		7.7		14.0		75.0		5.4		6.8		7		-				-		-	
SR7	Cloudy	Moderate	08:34	16.4	Surface	1.0	0.0	62	28.6	28.6	7.9	7.9	13.4	13.4	74.6	74.6	5.4	5.2	7.1	6.6	5	6	-	-	823644	823739	-	-	-	-
						1.0	0.0	63	28.6		7.9		13.4		74.6		5.4		7.1		5		-				-		-	
					Middle	8.2	0.3	188	27.2	27.2	7.9	7.9	21.4	21.4	69.1	69.1	5.0		6.4		6		-				-		-	
						8.2	0.3	206	27.2		7.9		21.4		69.1		5.0		6.4		6		-				-		-	
					Bottom	15.4	1.2	204	25.1	25.1	7.9	7.9	29.6	29.6	50.1	50.1	3.5	3.5	6.2		7		-				-		-	
						15.4	1.3	224	25.1		7.9		29.6		50.1		3.5		6.2		7		-				-		-	
SR8	Cloudy	Moderate	09:48	5.1	Surface	1.0	0.1	271	29.0	29.0	7.9	7.9	10.8	10.8	72.5	72.5	5.3	5.3	10.8	12.3	7	8	-	-	820427	811592	-	-	-	-
						1.0	0.1	284	29.0		7.9		10.8		72.5		5.3		10.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	98	28.2	28.2	7.9	7.9	15.8	15.8	69.8	69.8	5.0	5.0	13.7		9		-				-		-	
						4.1	0.1	100	28.2		7.9		15.8		69.8		5.0		13.7		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 29 June 17 during Mid-Ebb tide

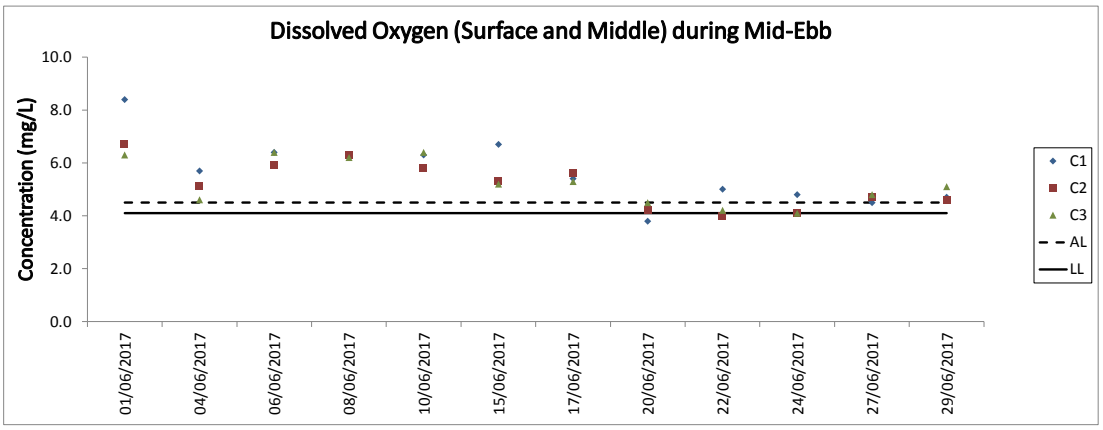
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Fine	Moderate	16:43	8.1	Surface	1.0	0.2	213	28.5	28.5	7.9	7.9	14.7	14.7	74.8	74.2	5.4	4.7	13.2	14.1	11	10	73	75	815612	804243	<0.2	<0.2	2.1	2.1
						1.0	0.3	224	28.5		7.9		14.7		73.6		5.3		13.1		11		74				<0.2		2.1	
					Middle	4.1	0.1	70	26.6	26.6	7.9	7.9	24.8	24.8	58.5	58.4	4.1		13.2		10		75				<0.2		2.2	
						4.1	0.1	73	26.6		7.9		24.8		58.3		4.1		13.5		10		75				<0.2		2.2	
					Bottom	7.1	0.1	134	25.5	25.5	7.9	7.9	29.9	29.9	60.4	60.6	4.2	4.2	15.6		10		77				<0.2		2.1	
						7.1	0.1	143	25.5		7.9		29.9		60.8		4.2		15.8		10		77				<0.2		2.1	
C2	Cloudy	Moderate	15:28	12.1	Surface	1.0	0.1	45	29.0	29.0	7.8	7.8	12.4	12.4	70.1	70.1	5.0	4.6	9.0	12.3	8	10	71	75	825671	806955	<0.2	<0.2	2.6	2.5
						1.0	0.1	48	29.0		7.8		12.4		70.1		5.0		9.0		6		73				<0.2		2.6	
					Middle	6.1	0.1	306	27.9	27.9	7.8	7.8	18.2	18.2	58.9	58.9	4.2		12.6		8		75				<0.2		2.8	
						6.1	0.1	323	27.9		7.8		18.2		58.9		4.2		12.6		8		76				<0.2		2.7	
					Bottom	11.1	0.1	249	26.4	26.4	7.8	7.8	24.7	24.7	52.0	52.0	3.6	3.6	15.4		14		78				<0.2		2.1	
						11.1	0.1	264	26.4		7.8		24.7		52.0		3.6		15.4		13		77				<0.2		2.1	
C3	Cloudy	Moderate	17:15	12.9	Surface	1.0	0.4	86	29.3	29.3	7.9	7.9	15.2	15.2	77.6	77.6	5.5	5.1	6.3	5.6	5	6	73	75	822093	817784	<0.2	<0.2	2.4	1.9
						1.0	0.4	87	29.3		7.9		15.2		77.6		5.5		6.3		6		72				<0.2		2.2	
					Middle	6.5	0.2	78	27.4	27.4	7.9	7.9	21.4	21.4	66.9	66.9	4.7		5.1		8		75				<0.2		1.9	
						6.5	0.2	78	27.4		7.9		21.4		66.9		4.7		5.1		6		76				<0.2		2.0	
					Bottom	11.9	0.1	14	25.5	25.5	7.9	7.9	28.9	28.9	69.3	69.3	4.8	4.8	5.4		6		78				<0.2		1.3	
						11.9	0.1	15	25.5		7.9		28.9		69.3		4.8		5.4		6		78				<0.2		1.3	
IM1	Fine	Moderate	16:14	8.2	Surface	1.0	0.0	139	28.4	28.4	7.9	7.9	14.6	14.9	78.7	78.7	5.6	4.7	6.7	10.8	6	8	73	75	818350	806445	<0.2	<0.2	1.9	2.0
						1.0	0.0	147	28.4		7.9		15.2		78.6		5.6		6.8		8		74				<0.2		2.0	
					Middle	4.1	0.1	90	25.8	25.8	7.9	7.9	28.2	28.2	55.2	55.3	3.8		11.8		8		75				<0.2		2.0	
						4.1	0.2	93	25.8		7.9		28.2		55.4		3.8		11.8		9		76				<0.2		2.1	
					Bottom	7.2	0.1	102	25.8	25.8	7.9	7.9	28.5	28.5	73.3	73.8	5.1	5.1	13.9		10		77				<0.2		2.1	
						7.2	0.1	103	25.8		7.9		28.5		74.2		5.1		13.7		9		77				<0.2		2.1	
IM2	Fine	Moderate	16:08	7.8	Surface	1.0	0.1	216	28.6	28.6	7.9	7.9	14.5	14.5	74.1	74.0	5.3	4.9	8.7	12.5	6	8	75	76	818867	806179	<0.2	<0.2	2.2	2.3
						1.0	0.1	236	28.6		7.9		14.5		73.8		5.3		8.9		7		75				<0.2		2.2	
					Middle	3.9	0.2	82	26.1	26.2	7.8	7.8	26.9	26.9	62.5	62.7	4.4		13.5		8		76				<0.2		2.2	
						3.9	0.2	87	26.2		7.8		26.8		62.9		4.4		13.4		9		76				<0.2		2.5	
					Bottom	6.8	0.2	80	26.1	26.1	7.9	7.9	27.1	27.1	81.4	81.9	5.7	5.7	15.2		8		77				<0.2		2.4	
						6.8	0.2	80	26.1		7.9		27.1		82.4		5.7		15.4		9		78				<0.2		2.3	
IM3	Fine	Moderate	15:59	7.5	Surface	1.0	0.2	286	28.9	28.9	7.9	7.9	12.3	12.3	79.8	79.7	5.8	4.7	9.2	12.2	7	7	73	75	819397	806036	<0.2	<0.2	2.2	2.2
						1.0	0.2	314	28.9		7.9		12.3		79.5		5.7		9.3		7		74				<0.2		2.2	
					Middle	3.8	0.3	58	26.1	26.1	7.8	7.8	27.2	27.2	50.9	51.1	3.5		11.6		8		75				<0.2		2.2	
						3.8	0.3	63	26.1		7.8		27.2		51.2		3.6		11.6		6		75				<0.2		2.3	
					Bottom	6.5	0.2	78	26.1	26.1	7.8	7.8	27.3	27.3	56.7	56.8	3.9	4.0	15.8		7		77				<0.2		2.2	
						6.5	0.2	82	26.1		7.8		27.3		56.9		4.0		15.6		7		78				<0.2		2.2	
IM4	Fine	Moderate	15:50	7.6	Surface	1.0	0.2	328	28.4	28.4	7.9	7.9	13.3	13.3	74.8	74.7	5.4	4.6	7.0	12.6	7	7	74	75	819555	805025	<0.2	<0.2	2.3	2.3
						1.0	0.2	343	28.4		7.9		13.3		74.6		5.4		7.1		7		74				<0.2		2.3	
					Middle	3.8	0.3	68	26.2	26.2	7.9	7.9	26.4	26.4	54.8	54.9	3.8		14.3		6		75				<0.2		2.3	
						3.8	0.3	74	26.2		7.9		26.4		54.9		3.8		14.4		6		75				<0.2		2.3	
					Bottom	6.6	0.1	64	26.0	26.0	7.8	7.8	27.5	27.5	62.5	62.8	4.3	4.4	16.3		8		77				<0.2		2.1	
						6.6	0.1	64	26.0		7.8		27.5		63.0		4.4		16.2		8		77				<0.2		2.4	
IM5	Fine	Moderate	15:39	7.4	Surface	1.0	0.3	11	28.3	28.3	7.9	7.9	13.8	14.2	75.8	75.7	5.5	5.0	8.0	12.5	10	10	74	75	820564	804915	<0.2	<0.2	2.3	2.4
						1.0	0.3	11	28.3		7.9		14.6		75.5		5.4		8.0		9		74				<0.2		2.4	
					Middle	3.7	0.3	57	26.9	26.9	7.8	7.8	22.9	23.0	63.3	63.4	4.4		12.0		9		75				<0.2		2.5	
						3.7	0.3	60	26.9		7.8		23.0		63.4		4.5		12.0		10		75				<0.2		2.4	
					Bottom	6.4	0.1	30	26.1	26.1	7.8	7.8	27.0	27.0	73.1	73.5	5.1	5.1	17.4		10		77				<0.2		2.5	
						6.4	0.1	30	26.1		7.8		27.0		73.9		5.1		17.4		10		77				<0.2		2.5	
IM6	Fine	Moderate	15:30	7.4	Surface	1.0	0.1	95	29.4	29.4	7.8	7.8	11.6	11.6	83.7	83.7	6.0	5.1	5.9	11.8	12	12	73	76	821076	805840	<0.2	<0.2	2.7	3.0
						1.0	0.1	96	29.4		7.8		11.6		83.7		6.0		5.9		12		74				<0.2		2.6	
					Middle	3.7	0.2	61	27.1	27.2	7.9	7.9	22.9	22.6	60.3	60.3	4.2		13.1		12		75				<0.2		2.6	
						3.7	0.2	64	27.2		7.9		22.2		60.3		4.2		13.3		12		76				<0.2		2.7	
					Bottom	6.4	0.3	63	26.4	26.4	7.8	7.8	25.5	25.5	66.5	66.8	4.6	4.7	16.2		12		77				<0.2		3.6	
						6.4	0.3	68	26.4		7.8		25.5		67.0		4.7		16.1		14		78				<0.2		3.8	
IM7	Fine	Moderate	15:20	8.5	Surface	1.0	0.4	63	28.5	28.6	7.8	7.8	14.7	14.7	72.1	72.1	5.2	4.9	7.5	8.6	9	9	73	75	821330	806823	<0.2	<0.2	2.4	2.3
						1.0	0.5	69	28.6		7.8		14.7		72.0		5.2		7.5		10		73				<0.2		2.5	
					Middle	4.3	0.4	28	27.5	27.5	7.9	7.9	19.8	19.9	65.7	65.7	4.6		9.6		8		75				<0.2		2.4	
						4.3	0.4	28	27.5		7.9		19.9		65.7		4.6		9.6		10		76				<0.2		2.4	
					Bottom	7.5	0.3	51	27.6	27.6	7.9	7.9	22.0	21.7	78.7	79.1	5.5	5.6	8.6		9		77				<0.2		2.2	
						7.5	0.4	55	27.6		7.9		21.4		79.4		5.6		8.7		8		77				<0.2		2.1	
IM8	Cloudy	Moderate	16:01	9.1	Surface	1.0	0.4	55	28.9	28.9	7.9	7.9	13.3	13.3	70.6	70.6	5.1	4.9	10.2	11.1	8	8	71	75	821711	807827	<0.2	<0.2	2.0	1.9
						1.0	0.4	55	28.9		7.9		13.3		70.6		5.1		10.2		8		72				<0.2		2.1	
					Middle	4.6	0.3	56	28.0	28.0	7.9	7.9	17.7	17.7	66.5	66.5	4.7		11.9		6		74				<0.2		2.1	
						4.6	0.3	57	28.0		7.9		17.7		66.5		4.7		11.9		8		75				<0.2		2.2	
					Bottom	8.1	0.2	65	28.0	28.0	7.9	7.9	21.2	21.2	76.4	76.4	5.3	5.3	11.1		9		77				<0.2		1.4	
						8.1	0.2	68	28.0		7.9		21.2		76.4		5.3		11.1		11		78				<0.2		1.5	

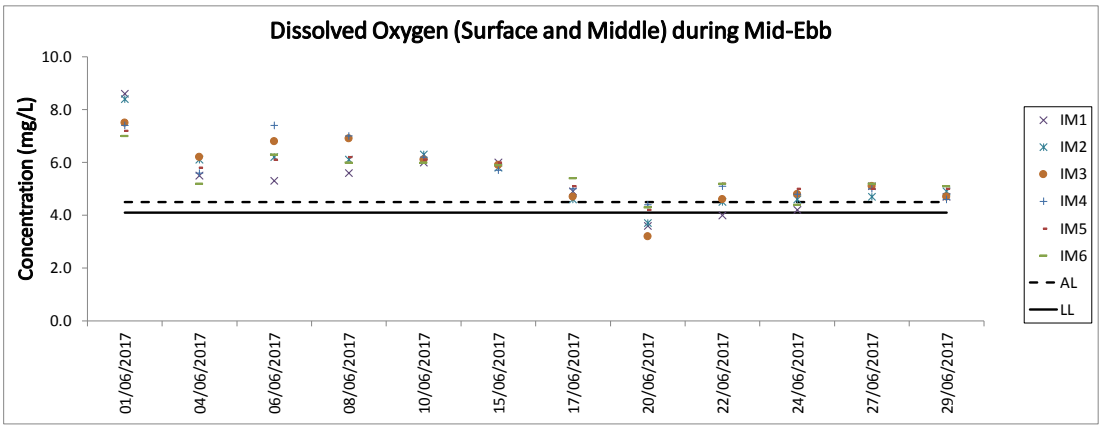
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

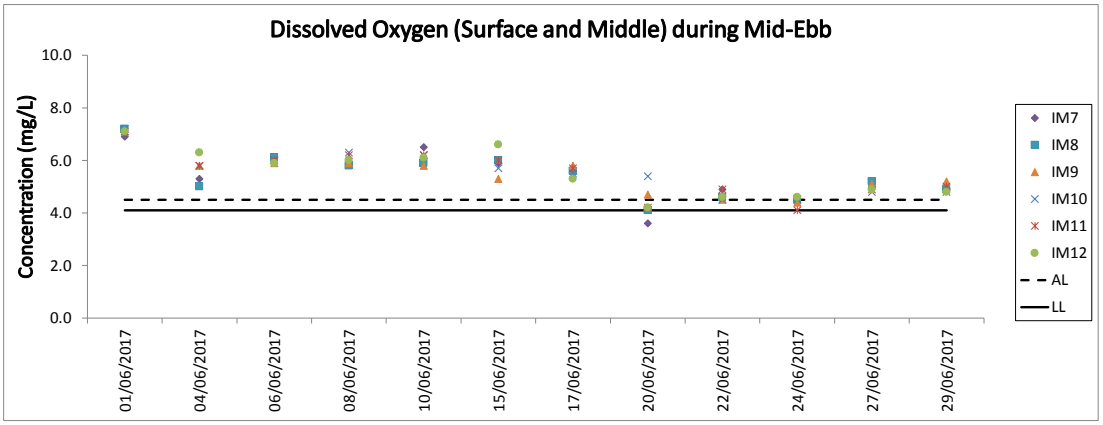
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 June 17 during Mid-Ebb tide

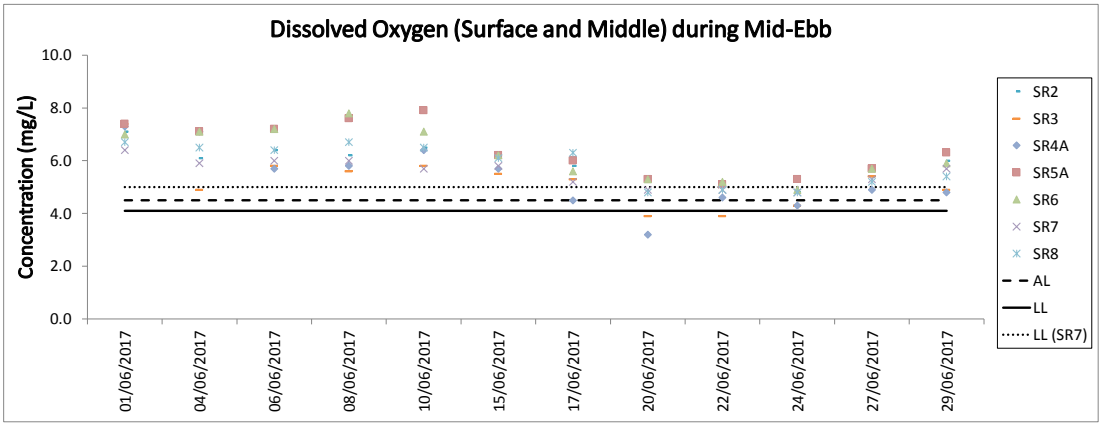
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	16:08	8.5	Surface	1.0	0.5	81	30.0	30.0	7.9	7.9	11.5	11.5	78.5	78.5	5.6	5.2	9.6	11.8	9	10	70	74	822095	808814	<0.2	<0.2	2.1	1.9
						1.0	0.6	88	30.0		7.9		11.5		78.5		5.6		9.6		10		71				<0.2		2.2	
					Middle	4.3	0.4	67	28.2	28.2	7.9	7.9	17.3	17.3	66.3	66.3	4.7		10.2		9		75				<0.2		1.8	
						4.3	0.4	67	28.2		7.9		17.3		66.3		4.7		10.2		9		75				<0.2		1.9	
					Bottom	7.5	0.3	82	27.9	27.9	7.9	7.9	21.3	21.3	75.6	75.6	5.3	5.3	15.5		11		77				<0.2		1.6	
						7.5	0.4	88	27.9		7.9		21.3		75.6		5.3		15.5		10		77				<0.2		1.6	
IM10	Cloudy	Moderate	16:15	8.2	Surface	1.0	0.6	85	29.1	29.1	7.8	7.8	12.5	12.5	69.1	69.1	5.0	4.8	9.8	10.9	9	9	70	73	822245	809831	<0.2	<0.2	2.4	2.4
						1.0	0.6	89	29.1		7.8		12.5		69.1		5.0		9.8		9		71				<0.2		2.5	
					Middle	4.1	0.5	105	28.4	28.4	7.8	7.8	14.9	14.9	63.2	63.2	4.5		11.4		8		73				<0.2		2.3	
						4.1	0.6	112	28.4		7.8		14.9		63.2		4.5		11.4		8		74				<0.2		2.6	
					Bottom	7.2	0.4	137	28.3	28.3	7.8	7.8	17.2	17.2	65.4	65.4	4.6	4.6	11.4		8		75				<0.2		2.2	
						7.2	0.4	142	28.3		7.8		17.2		65.4		4.6		11.4		10		76				<0.2		2.2	
IM11	Cloudy	Moderate	16:26	9.4	Surface	1.0	0.4	106	29.5	29.5	7.9	7.9	12.3	12.3	74.1	74.1	5.3	5.0	10.4	12.3	9	10	71	74	821481	810526	<0.2	<0.2	2.4	2.2
						1.0	0.5	111	29.5		7.9		12.3		74.1		5.3		10.4		8		72				<0.2		2.5	
					Middle	4.7	0.5	110	28.3	28.3	7.9	7.9	14.7	14.7	64.7	64.7	4.6		13.1		9		75				<0.2		2.4	
						4.7	0.5	114	28.3		7.9		14.7		64.7		4.6		13.1		8		75				<0.2		2.2	
					Bottom	8.4	0.2	104	28.2	28.2	7.8	7.8	19.3	19.3	73.5	73.5	5.2	5.2	13.3		12		77				<0.2		1.8	
						8.4	0.2	107	28.2		7.8		19.3		73.5		5.2		13.3		12		76				<0.2		1.8	
IM12	Cloudy	Moderate	16:32	8.2	Surface	1.0	0.6	103	29.4	29.4	7.9	7.9	12.5	12.5	73.6	73.6	5.2	4.8	9.6	12.7	10	11	72	74	821152	811515	<0.2	<0.2	2.3	2.0
						1.0	0.6	111	29.4		7.9		12.5		73.6		5.2		9.6		10		72				<0.2		2.4	
					Middle	4.1	0.5	104	28.3	28.3	7.9	7.9	16.9	16.9	61.8	61.8	4.4		12.6		9		73				<0.2		1.8	
						4.1	0.5	108	28.3		7.9		16.9		61.8		4.4		12.6		9		74				<0.2		1.9	
					Bottom	7.2	0.1	43	27.3	27.3	7.9	7.9	21.7	21.7	60.3	60.3	4.2	4.2	15.9		12		75				<0.2		1.7	
						7.2	0.1	45	27.3		7.9		21.7		60.3		4.2		15.9		13		77				<0.2		1.7	
SR2	Cloudy	Moderate	16:57	4.7	Surface	1.0	0.5	98	29.7	29.7	8.0	8.0	12.9	12.9	84.2	84.2	6.0	6.0	7.2	7.2	7	7	71	74	821456	814158	<0.2	<0.2	2.2	2.1
						1.0	0.5	104	29.7		8.0		12.9		84.2		6.0		7.2		7		72				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	92	29.0	29.0	7.9	7.9	15.3	15.3	81.9	81.9	5.8	5.8	7.2		6		77				<0.2		2.0	
						3.7	0.4	100	29.0		7.9		15.3		81.9		5.8		7.2		6		75				<0.2		2.1	
SR3	Cloudy	Moderate	15:55	9.6	Surface	1.0	0.3	54	29.1	29.1	7.9	7.9	13.7	13.7	72.2	72.1	5.1	4.9	9.6	11.5	6	9	-	-	822164	807569	-	-	-	-
						1.0	0.3	54	29.1		7.9		13.7		72.0		5.1		9.6		8		-				-		-	
					Middle	4.8	0.3	46	28.4	28.4	7.9	7.9	15.7	15.7	66.2	66.2	4.7		11.7		7		-				-		-	
						4.8	0.4	49	28.4		7.9		15.7		66.2		4.7		11.7		9		-				-		-	
					Bottom	8.6	0.2	63	27.7	27.7	7.9	7.9	20.2	20.2	61.4	61.4	4.3	4.3	13.3		10		-				-		-	
						8.6	0.2	67	27.7		7.9		20.2		61.4		4.3		13.3		11		-				-		-	
SR4A	Fine	Moderate	17:13	7.9	Surface	1.0	0.3	80	28.0	28.1	7.9	7.9	17.9	17.8	68.7	68.3	4.9	4.8	13.7	14.8	7	8	-	-	817197	807826	-	-	-	-
						1.0	0.3	87	28.1		7.9		17.6		67.9		4.8		13.5		8		-				-		-	
					Middle	4.0	0.3	68	26.5	26.5	7.9	7.9	24.1	24.2	67.6	67.8	4.7		14.4		8		-				-		-	
						4.0	0.4	68	26.5		7.9		24.2		68.0		4.8		14.5		7		-				-		-	
					Bottom	6.9	0.4	79	26.4	26.4	7.9	7.9	27.3	27.3	84.7	85.3	5.9	5.9	16.2		8		-				-		-	
						6.9	0.4	79	26.4		7.9		27.2		85.9		5.9		16.2		8		-				-		-	
SR5A	Fine	Moderate	17:30	5.3	Surface	1.0	0.2	108	29.0	29.0	8.0	8.0	15.5	15.5	89.8	89.8	6.3	6.3	9.1	9.3	11	11	-	-	816584	810679	-	-	-	-
						1.0	0.2	116	29.0		8.0		15.5		89.7		6.3		9.2		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.3	118	28.7	28.7	8.0	8.0	17.6	17.6	94.6	94.6	6.6	6.6	9.4		11		-				-		-	
						4.3	0.4	126	28.7		8.0		17.6		94.6		6.6		9.4		11		-				-		-	
SR6	Fine	Moderate	17:52	4.5	Surface	1.0	0.0	31	28.6	28.6	7.9	7.9	15.2	15.2	82.4	82.4	5.9	5.9	13.0	12.9	11	11	-	-	817908	814663	-	-	-	-
						1.0	0.0	33	28.6		7.9		15.2		82.4		5.9		13.1		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	42	28.4	28.4	7.9	7.9	15.6	15.6	86.4	86.6	6.2	6.2	12.6		10		-				-		-	
						3.5	0.1	42	28.4		7.9		15.6		86.7		6.2		12.7		10		-				-		-	
SR7	Cloudy	Moderate	17:47	16.5	Surface	1.0	0.4	58	29.3	29.3	8.0	8.0	16.5	16.5	84.8	84.8	5.9	5.7	5.7	6.0	8	7	-	-	823631	823751	-	-	-	-
						1.0	0.5	58	29.3		8.0		16.5		84.8		5.9		5.7		8		-				-		-	
					Middle	8.3	0.2	351	28.9	28.9	8.0	8.0	17.6	17.6	78.3	78.3	5.5		6.2		7		-				-		-	
						8.3	0.2	323	28.9		8.0		17.6		78.3		5.5		6.2		6		-				-		-	
					Bottom	15.5	0.8	134	26.2	26.2	7.9	7.9	28.7	28.7	73.1	73.1	5.0	5.0	6.0		7		-				-		-	
						15.5	0.9	140	26.2		7.9		28.7		73.1		5.0		6.0		8		-				-		-	
SR8	Cloudy	Moderate	16:43	5.4	Surface	1.0	0.1	269	29.5	29.5	8.0	8.0	13.2	13.2	76.1	76.1	5.4	5.4	8.4	9.8	6	6	-	-	820409	811593	-	-	-	-
						1.0	0.1	275	29.5		8.0		13.2		76.1		5.4		8.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	229	28.0	28.0	7.9	7.9	17.4	17.4	70.9	70.9	5.0	5.0	11.1		8		-				-		-	
						4.4	0.1	231	28.0		7.9		17.4		70.9		5.0		11.1		6		-				-		-	

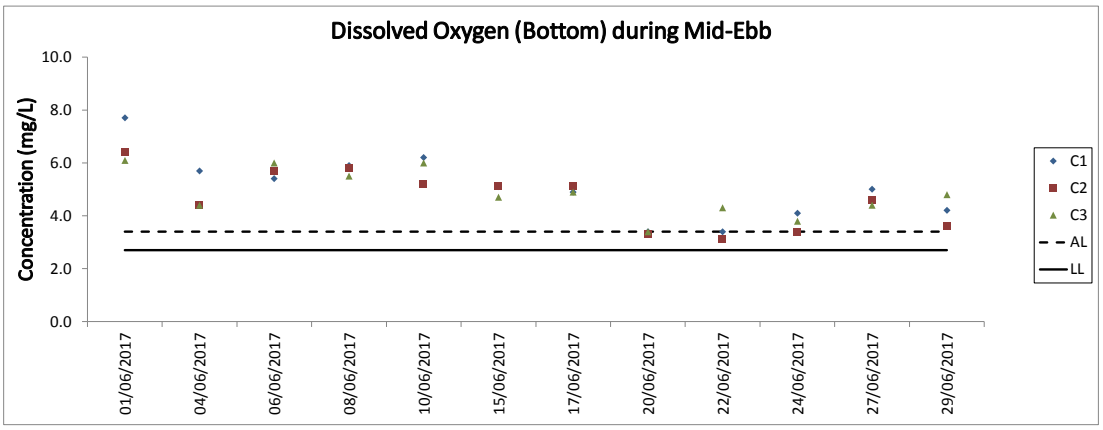
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

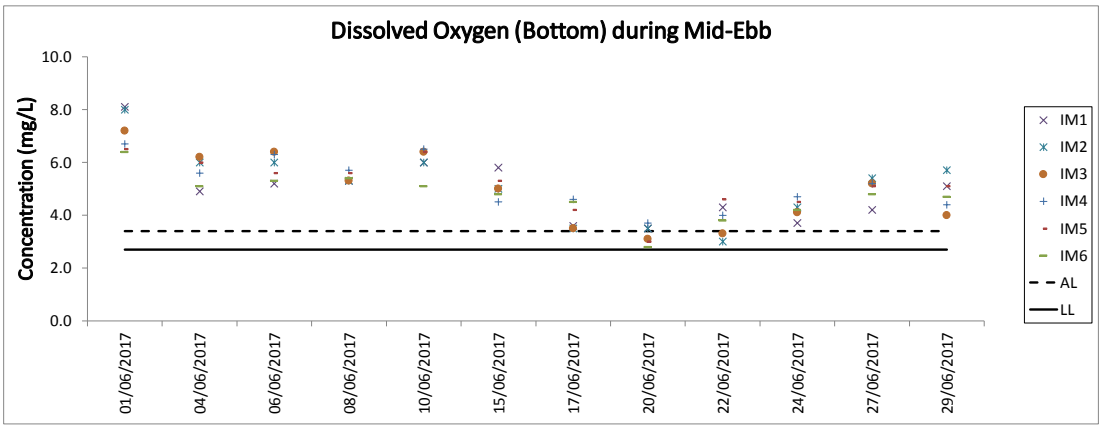

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
C1
C2
C3
AL
LL

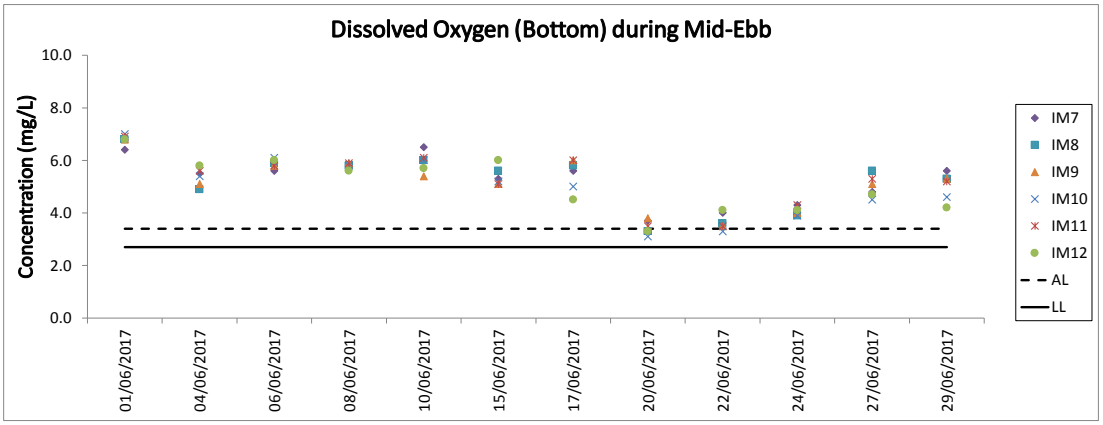

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

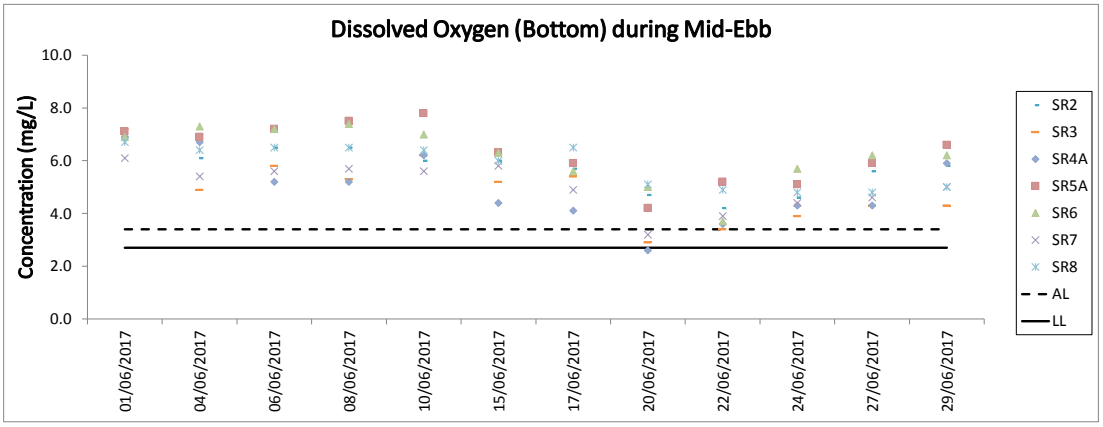

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

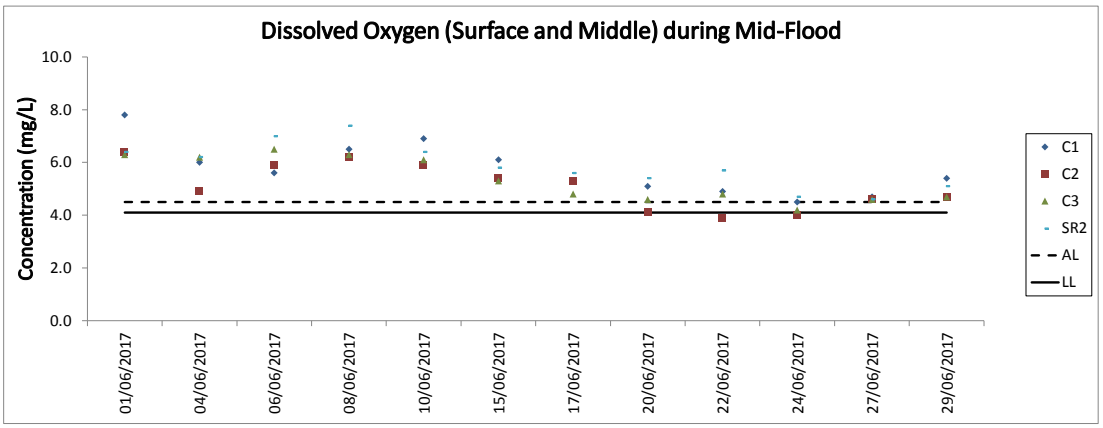

Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)

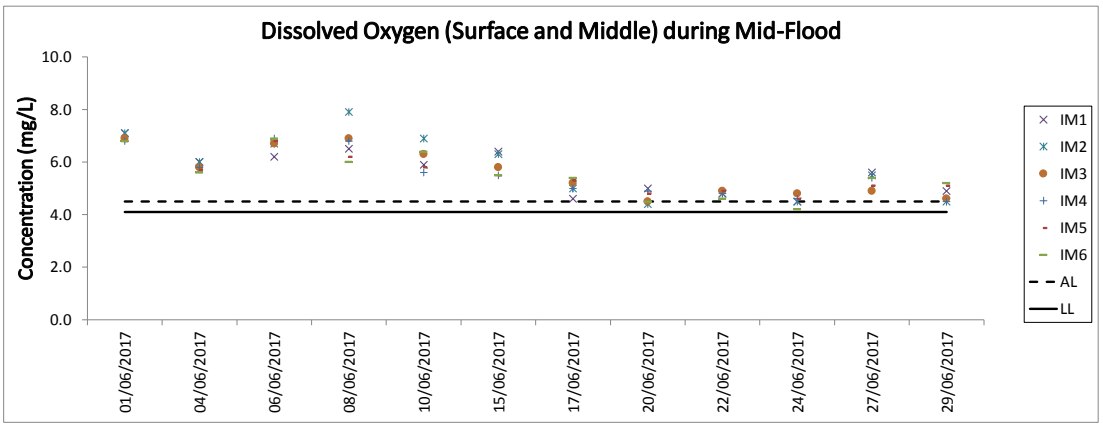

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
C1
C2
C3
AL
LL

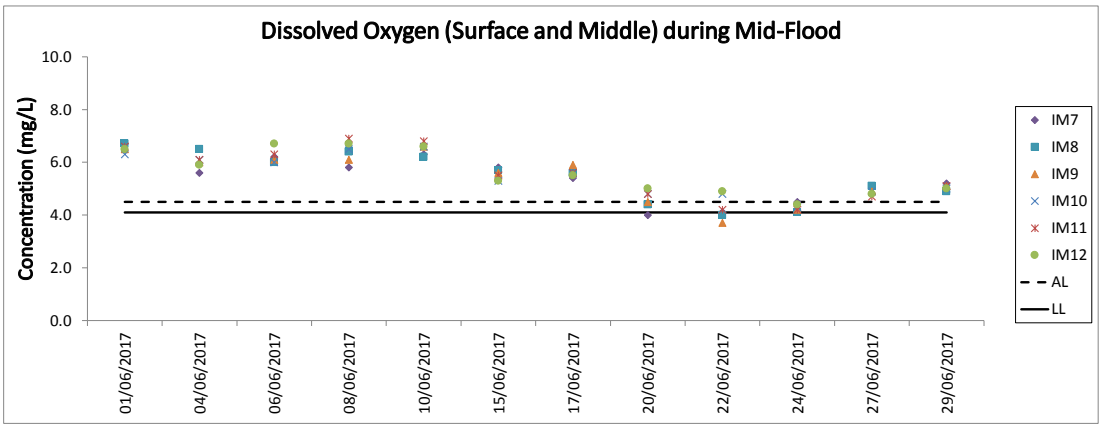

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

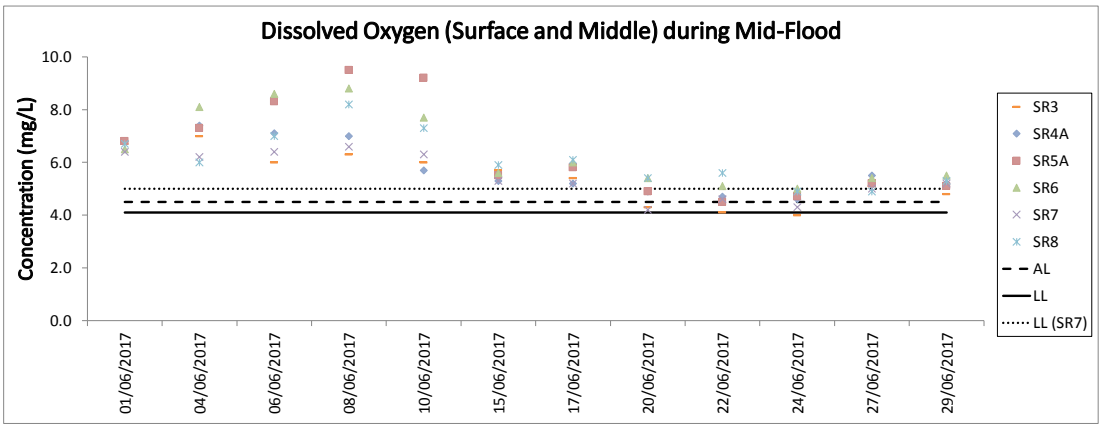

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

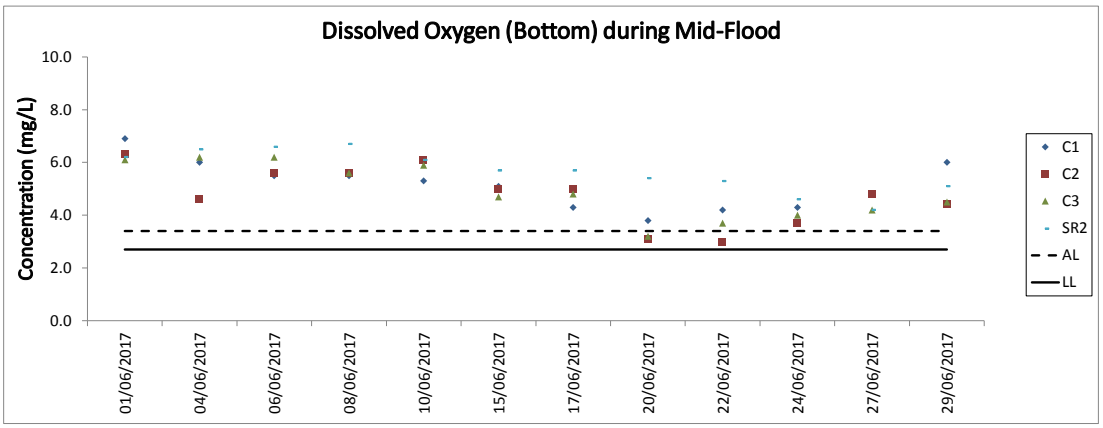

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

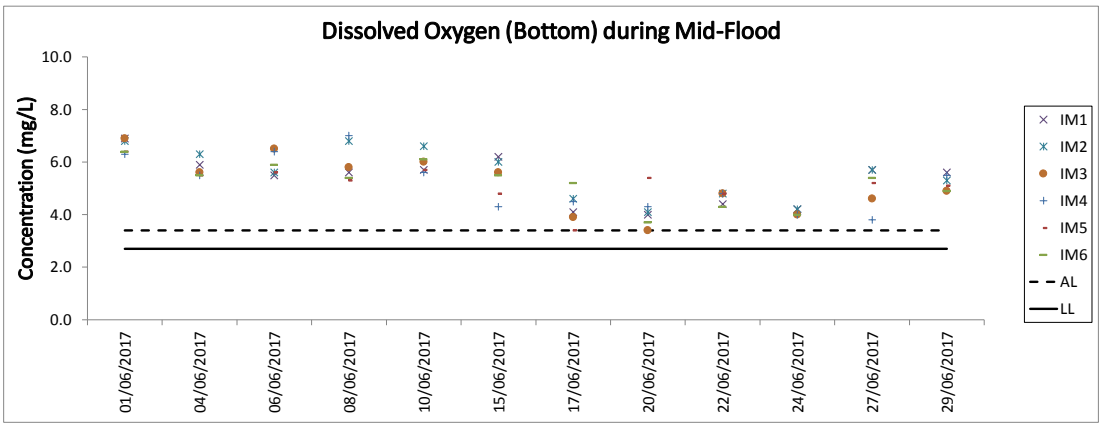

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
C1
C2
C3
SR2
AL
LL

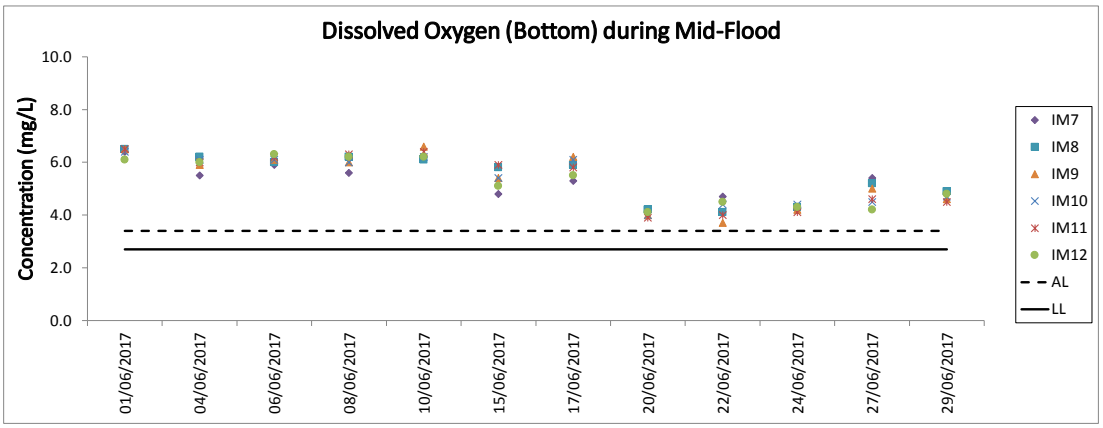

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

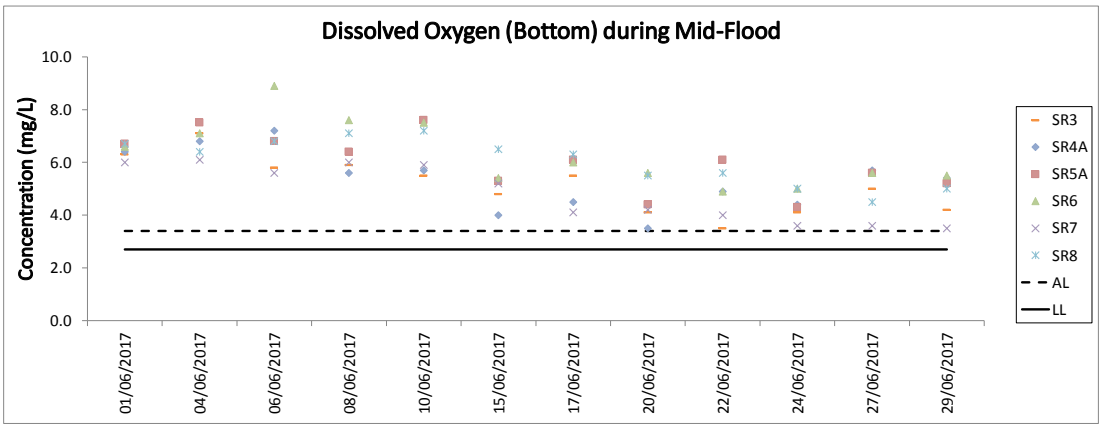

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

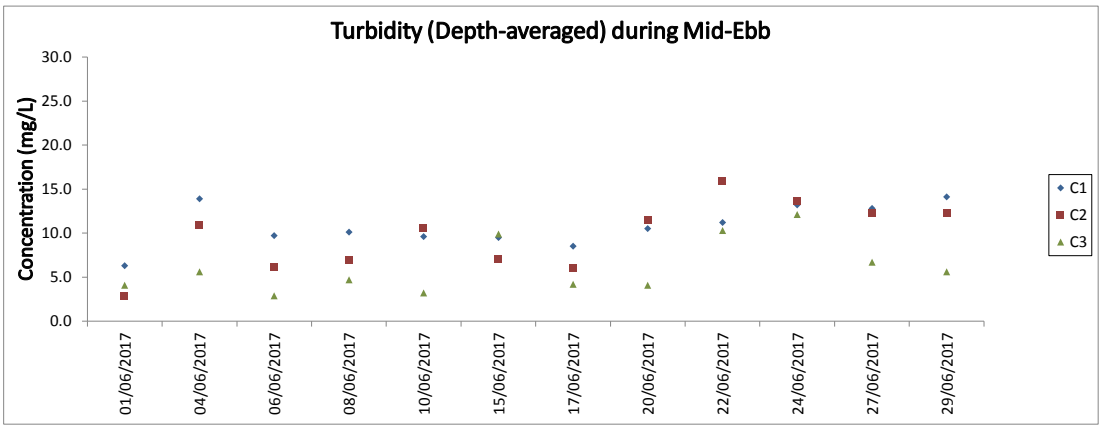

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)

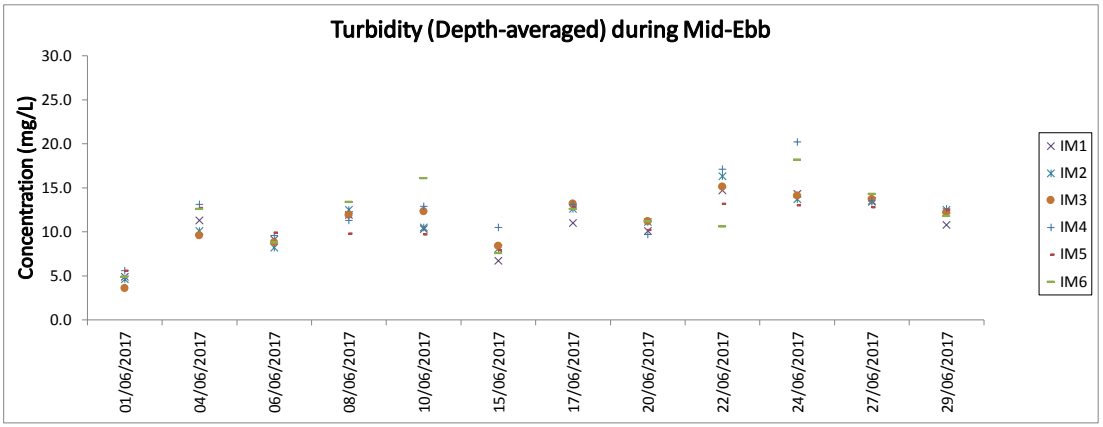

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
C1
C2
C3
SR2
AL
LL

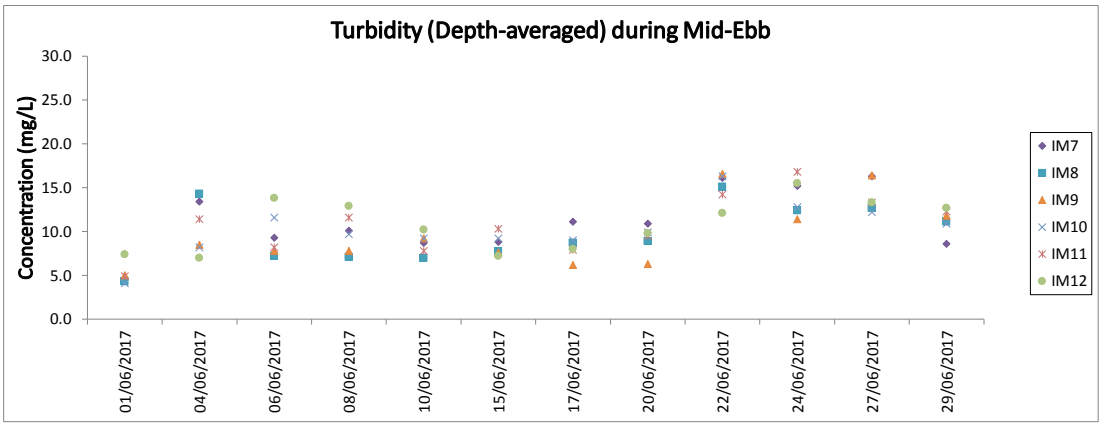

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

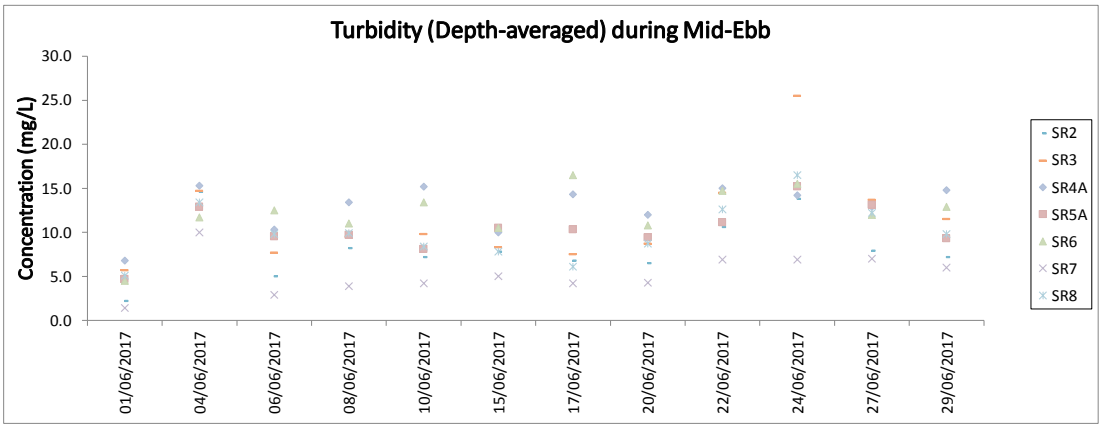

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2017
04/06/2017
06/06/2017
08/06/2017
10/06/2017
15/06/2017
17/06/2017
20/06/2017
22/06/2017
24/06/2017
27/06/2017
29/06/2017
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

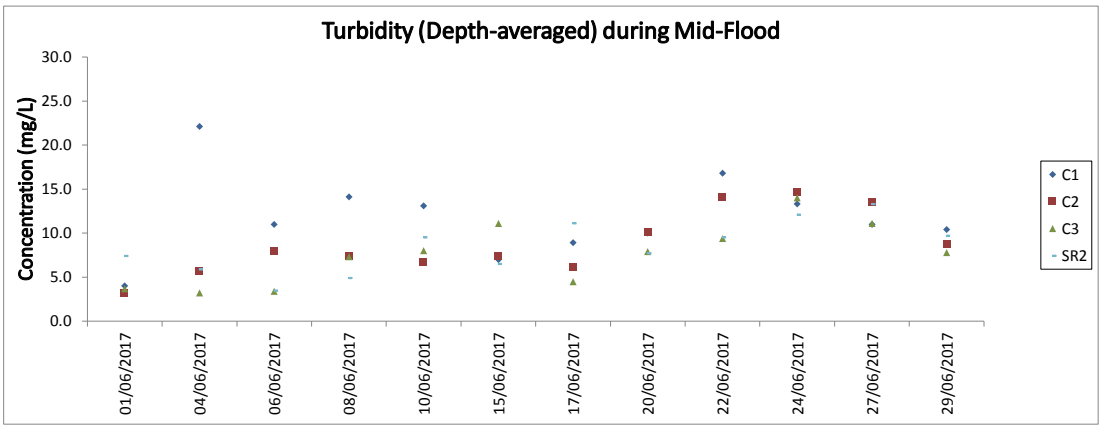


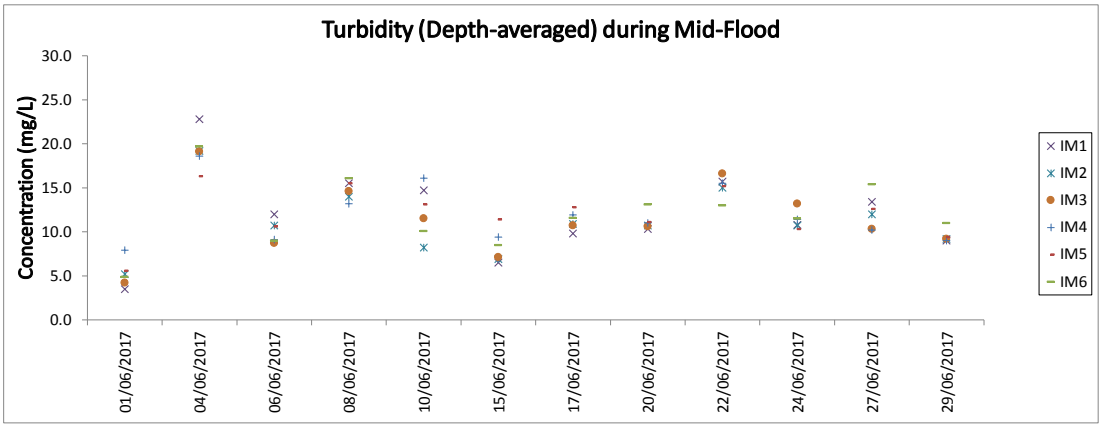


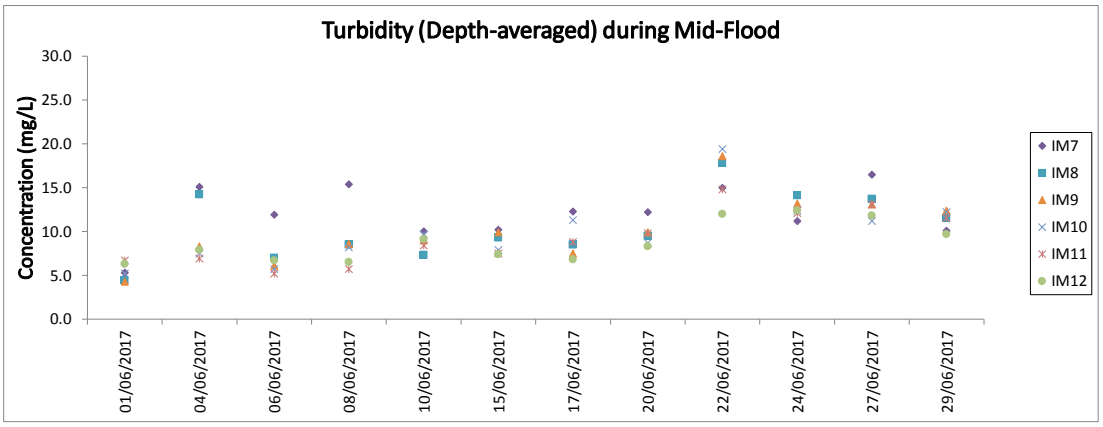


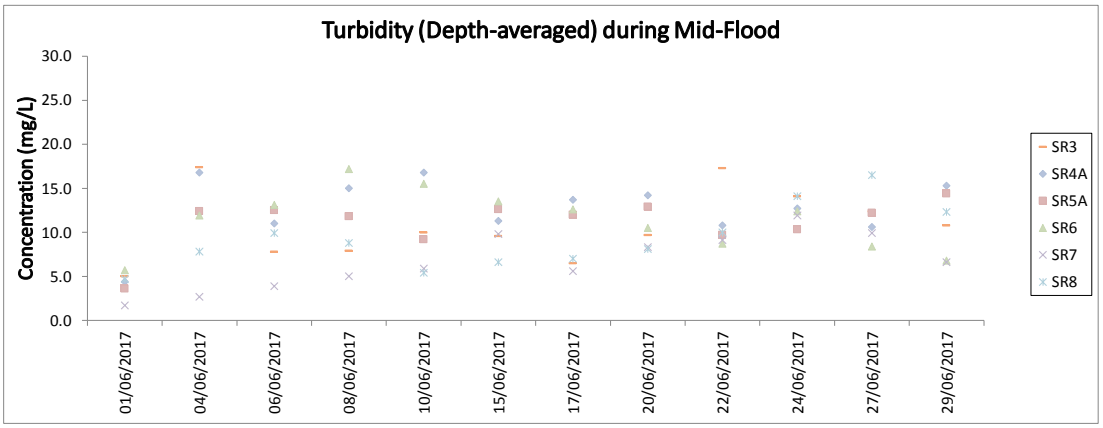


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

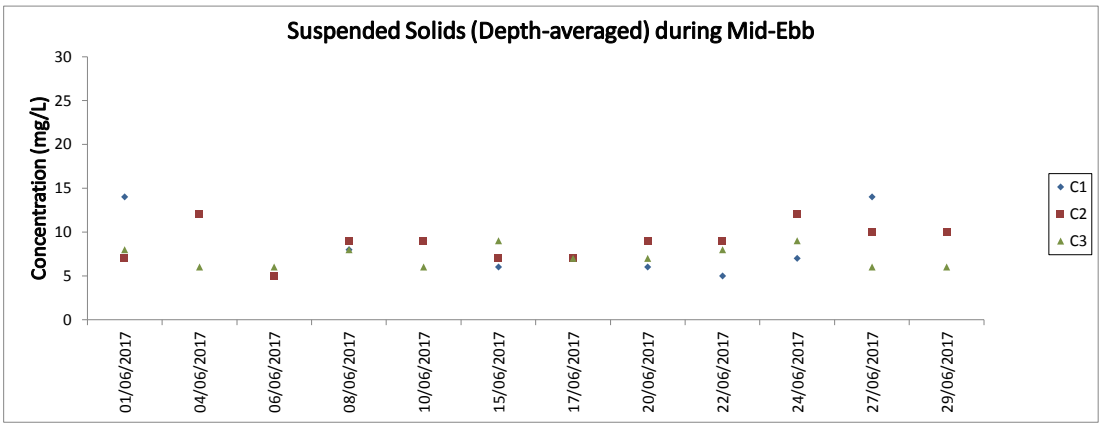


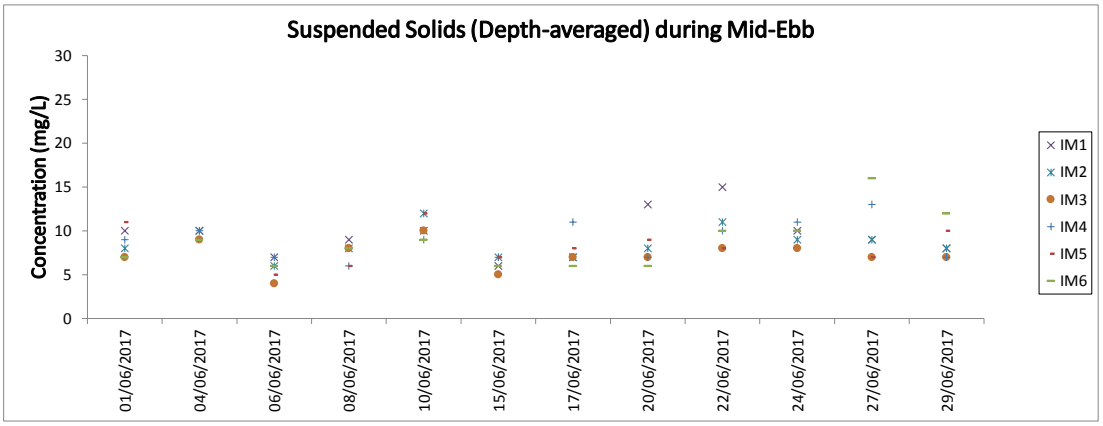


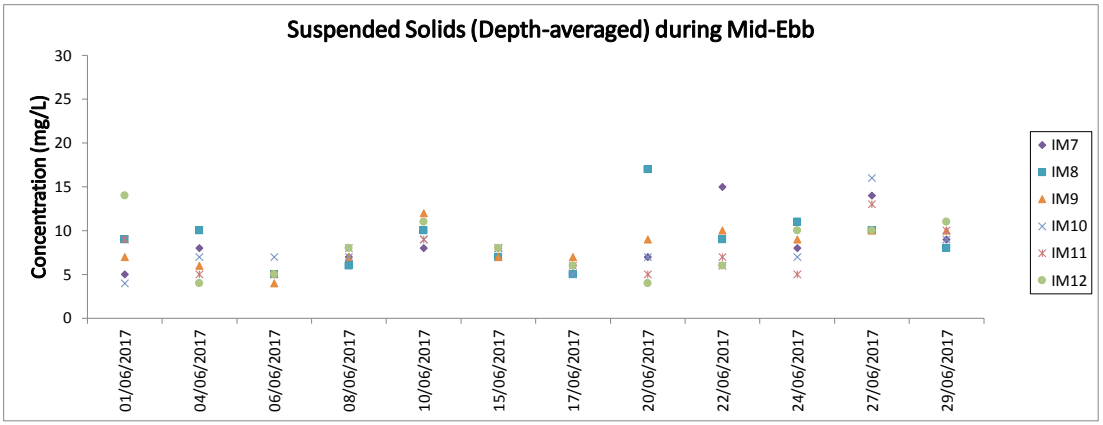


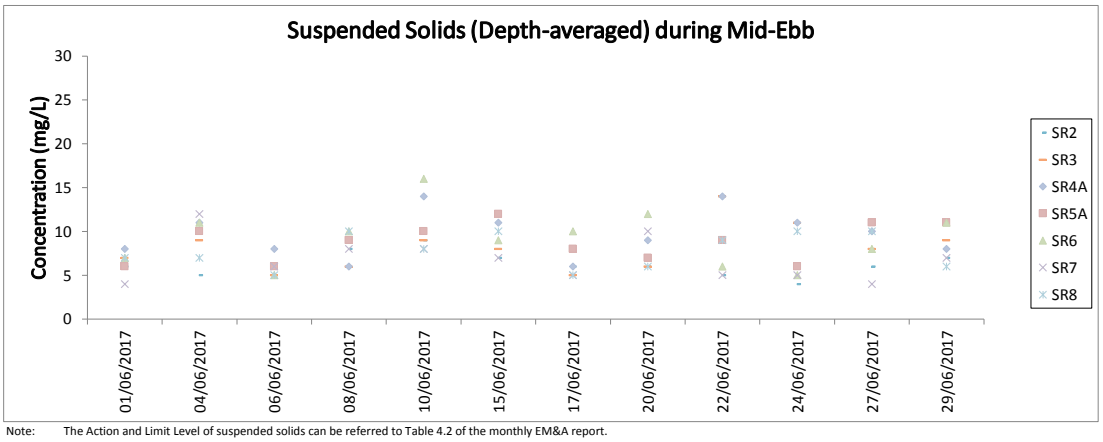


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

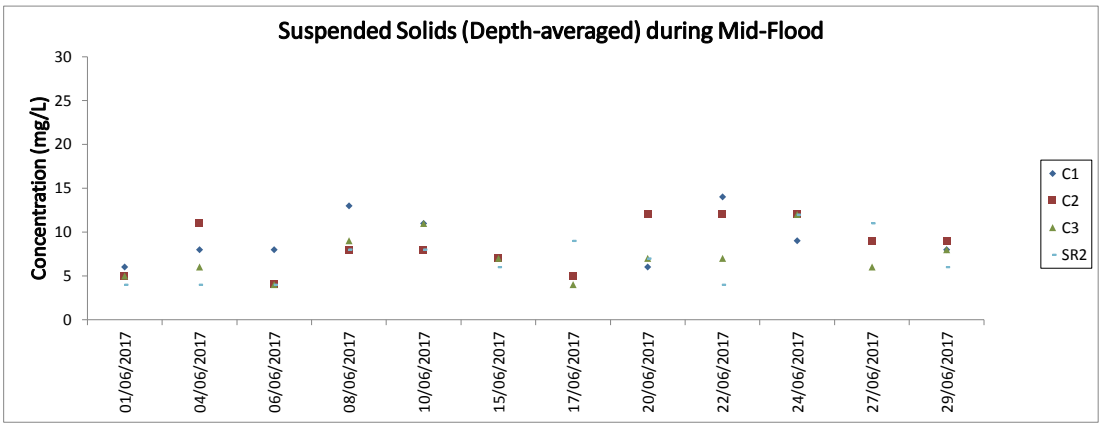


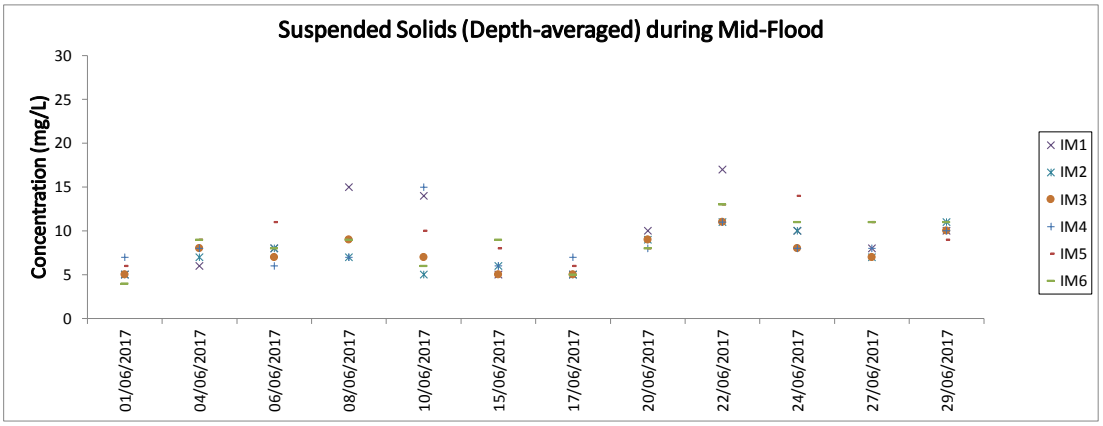


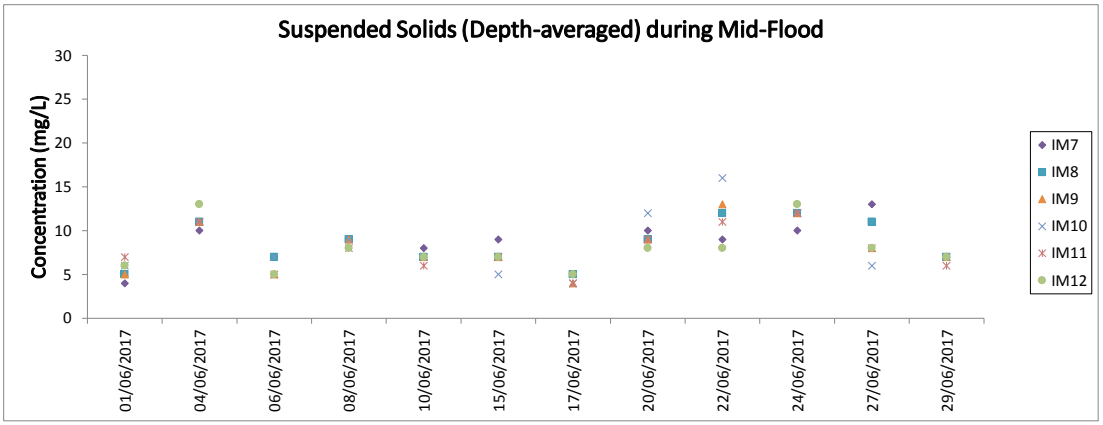


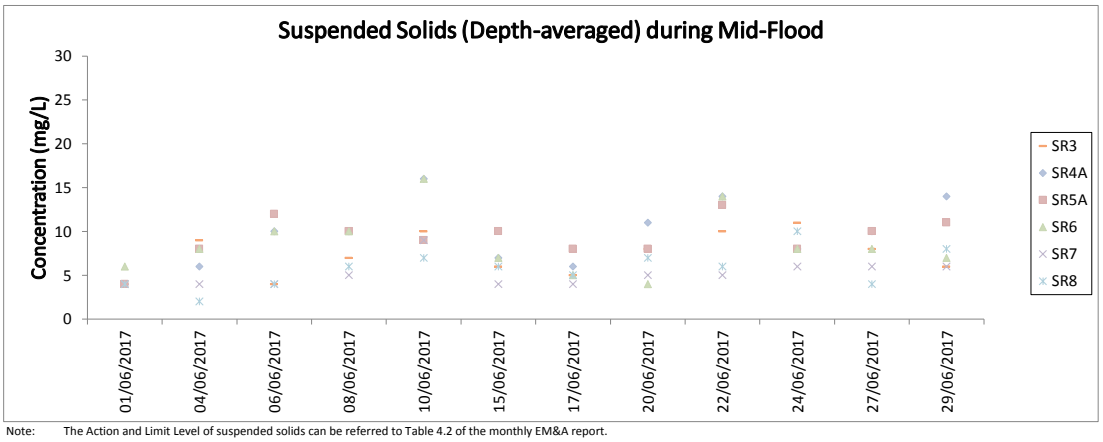


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

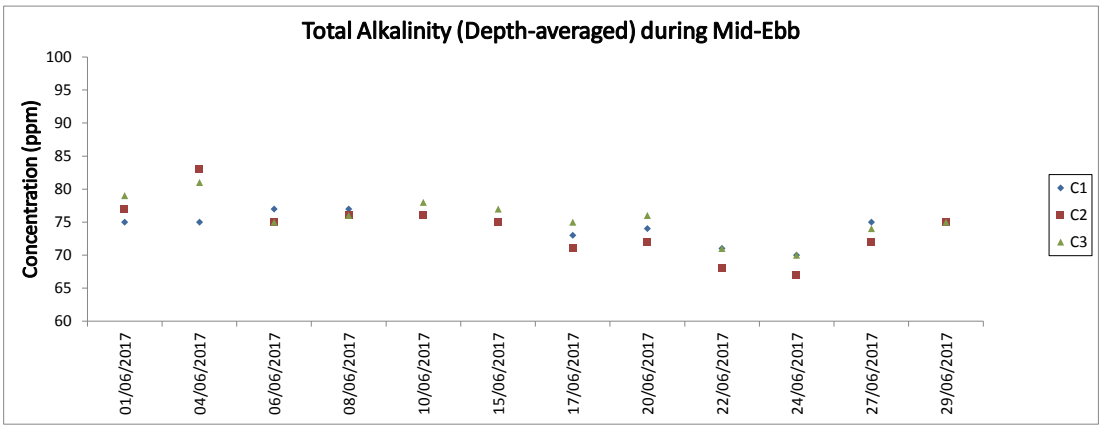


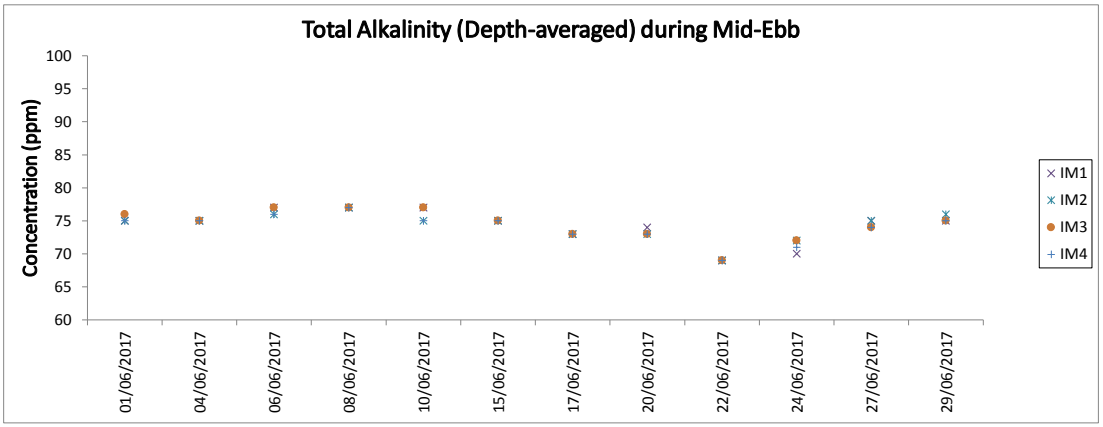


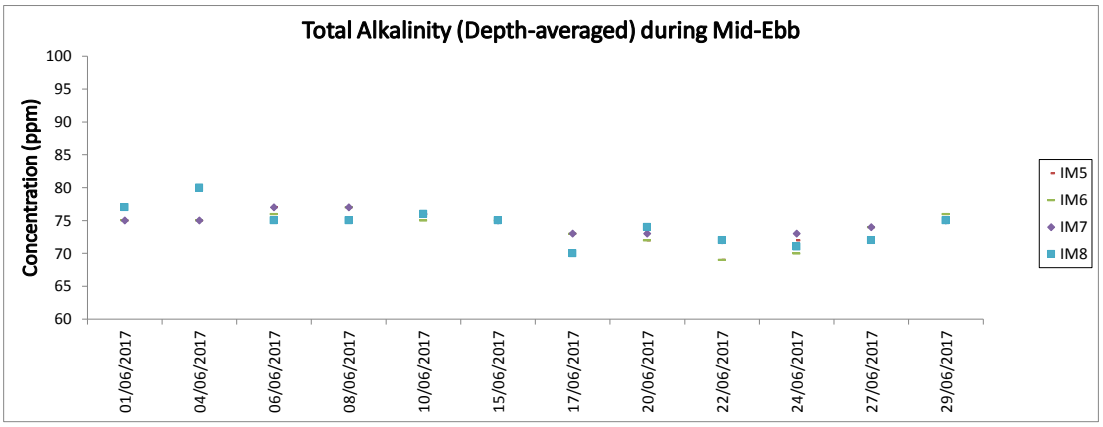


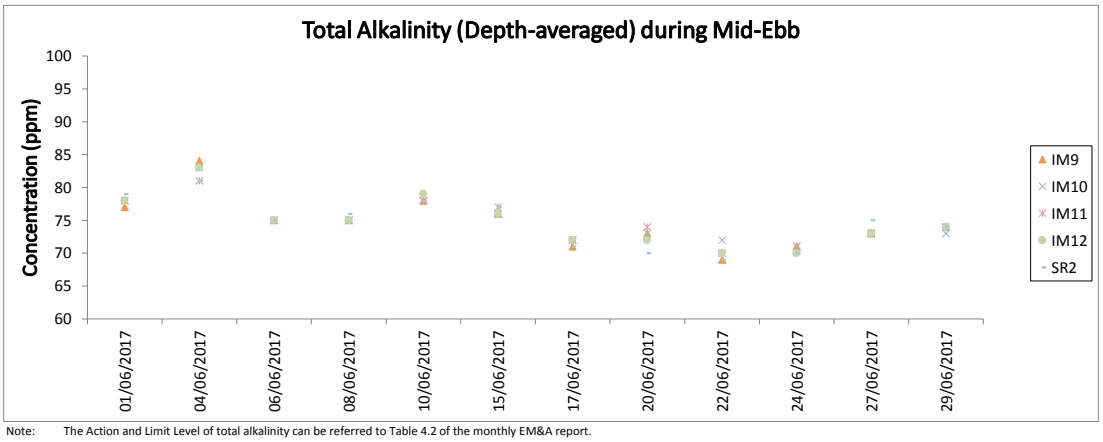


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

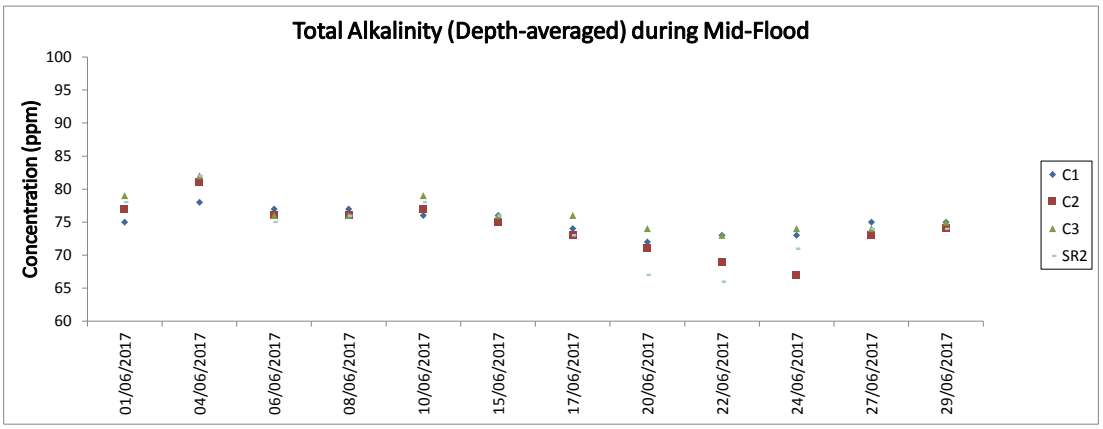


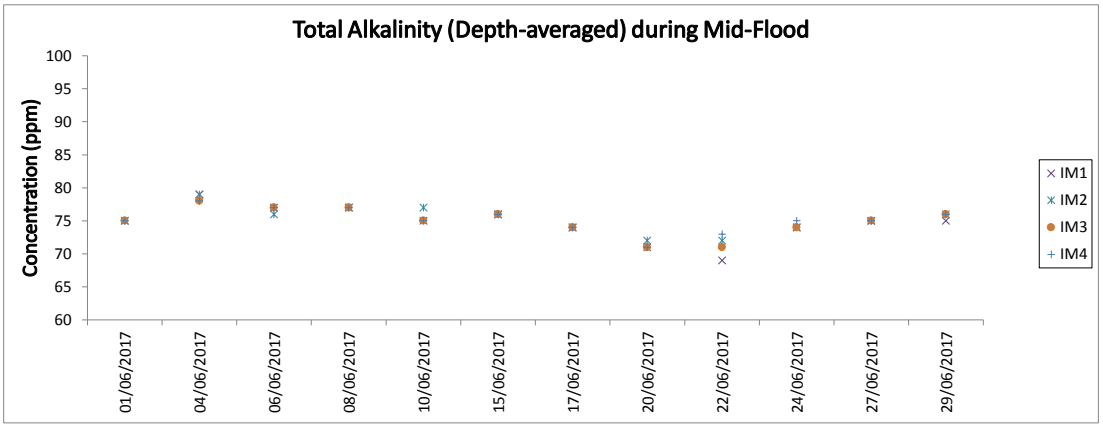


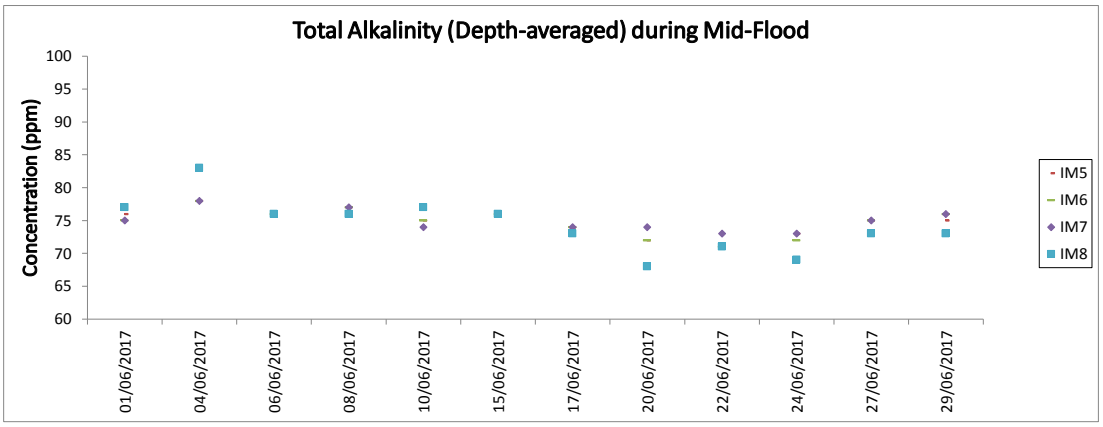


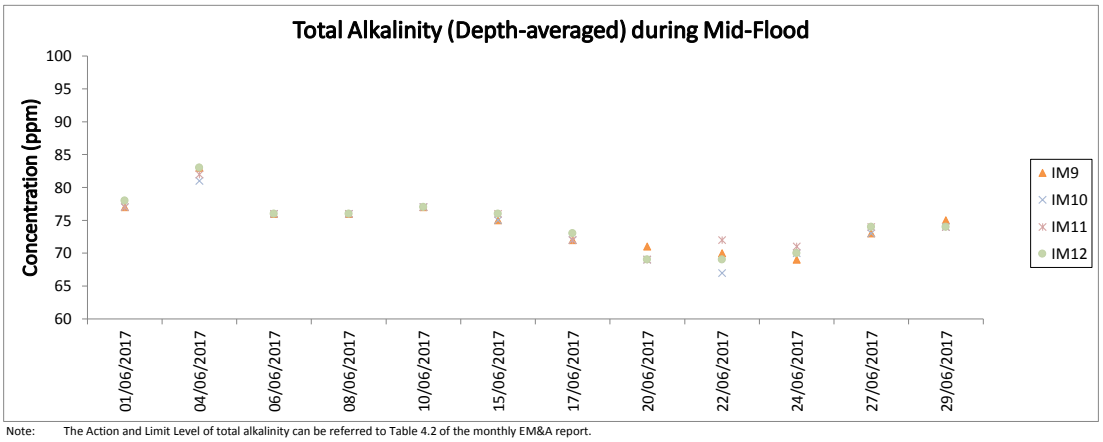


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

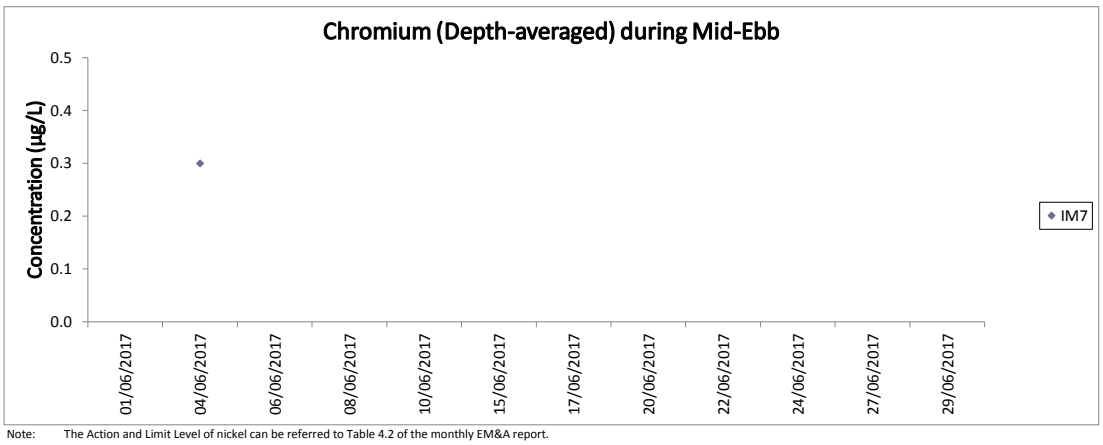




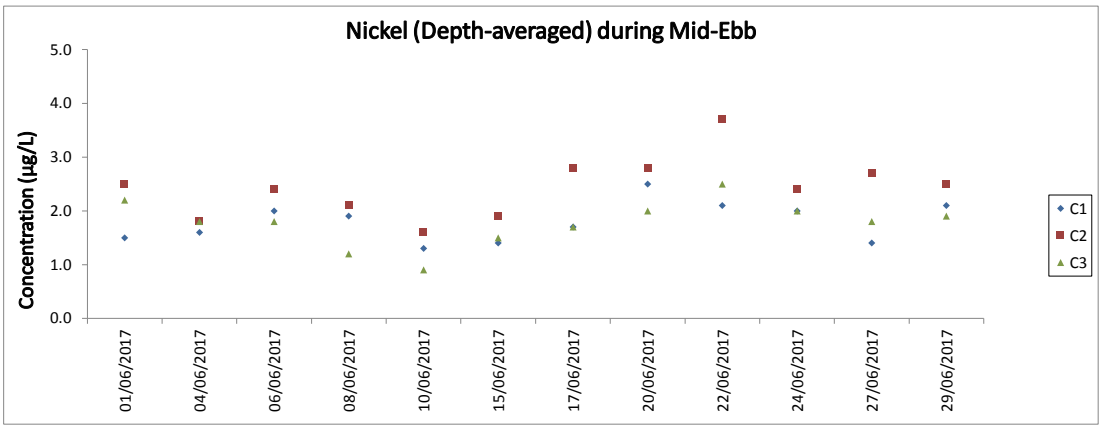


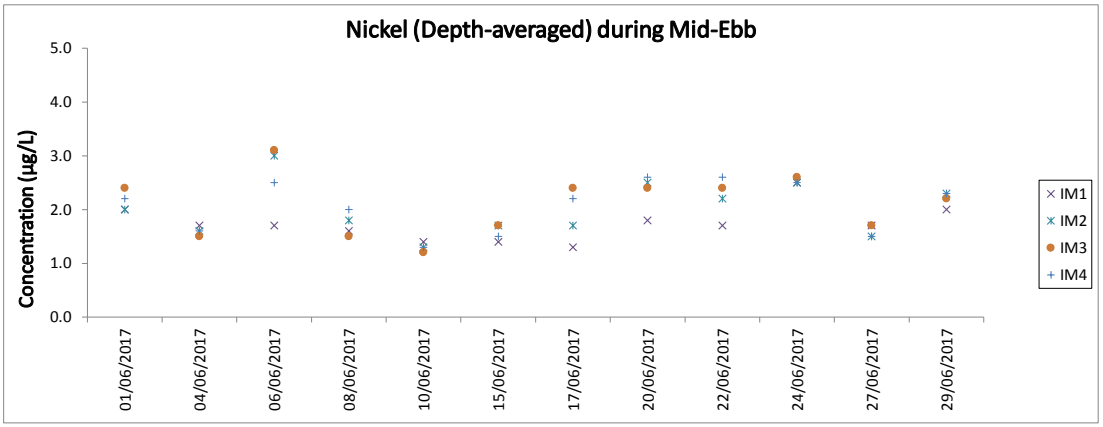


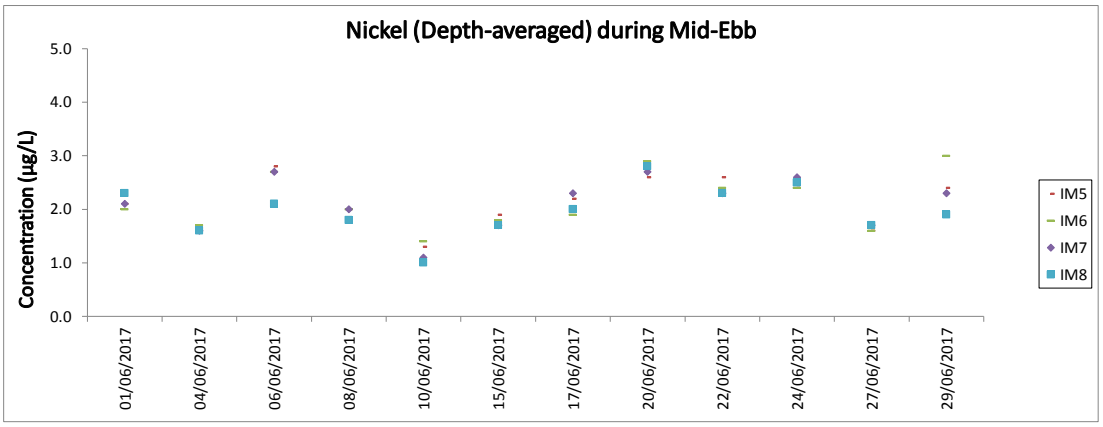
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

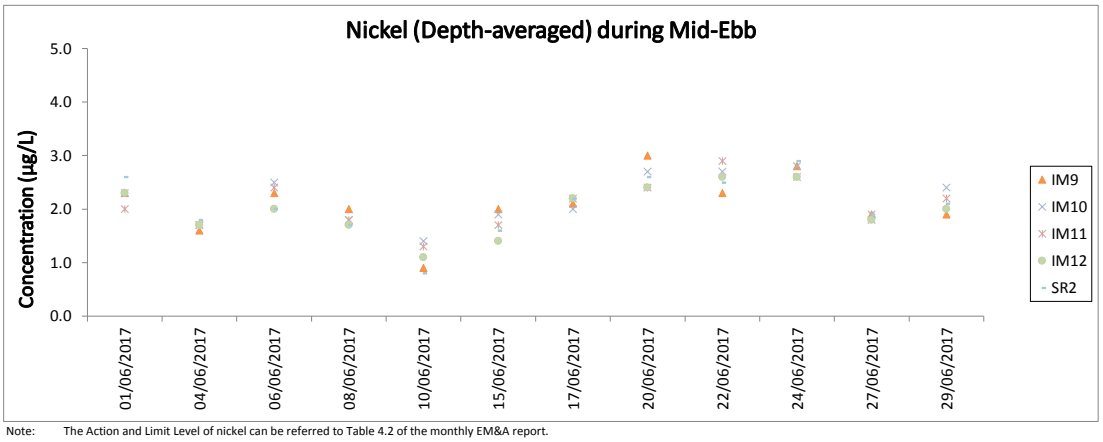


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All other chromium results were below the reporting limit 0.2 µg/L

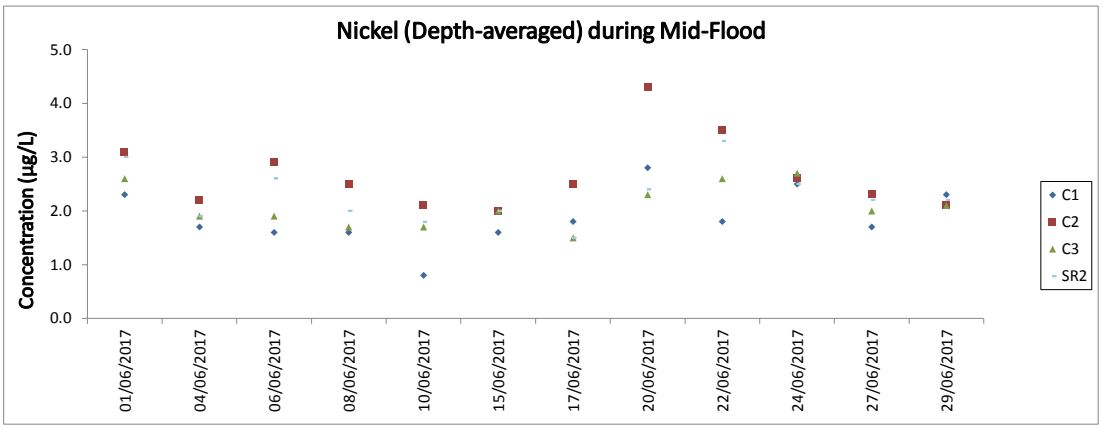


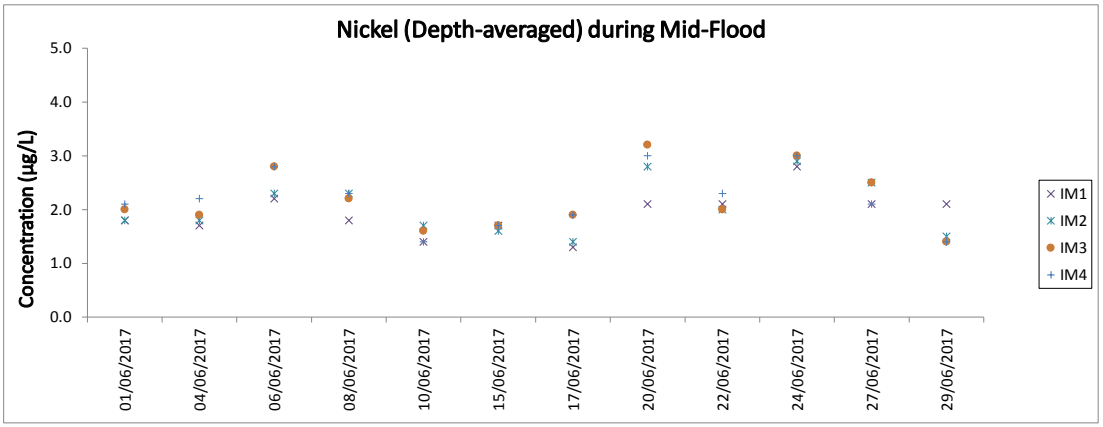


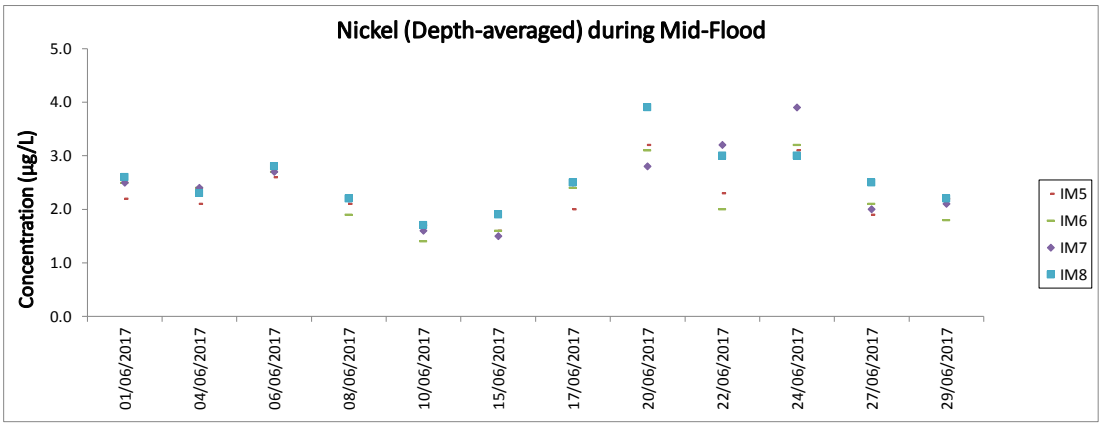


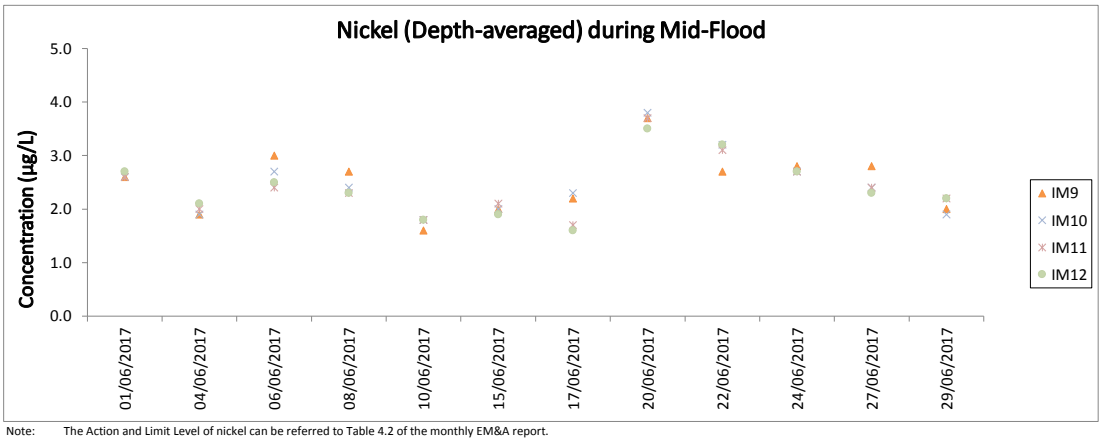


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.









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
05-Apr-17	NWL	1	3.000	SPRING	32166	3RS ET
05-Apr-17	NWL	2	38.728	SPRING	32166	3RS ET
05-Apr-17	NWL	3	32.700	SPRING	32166	3RS ET
10-Apr-17	AW	2	1.920	SPRING	32166	3RS ET
10-Apr-17	AW	3	1.090	SPRING	32166	3RS ET
10-Apr-17	AW	4	1.810	SPRING	32166	3RS ET
10-Apr-17	WL	3	24.720	SPRING	32166	3RS ET
10-Apr-17	WL	4	8.880	SPRING	32166	3RS ET
10-Apr-17	SWL	2	8.940	SPRING	32166	3RS ET
10-Apr-17	SWL	3	3.360	SPRING	32166	3RS ET
11-Apr-17	SWL	1	20.090	SPRING	32166	3RS ET
11-Apr-17	SWL	2	32.090	SPRING	32166	3RS ET
11-Apr-17	SWL	3	4.900	SPRING	32166	3RS ET
12-Apr-17	NEL	1	13.483	SPRING	32166	3RS ET
12-Apr-17	NEL	2	26.217	SPRING	32166	3RS ET
12-Apr-17	NEL	3	7.300	SPRING	32166	3RS ET
18-Apr-17	AW	3	4.870	SPRING	32166	3RS ET
18-Apr-17	WL	2	25.679	SPRING	32166	3RS ET
18-Apr-17	WL	3	4.960	SPRING	32166	3RS ET
18-Apr-17	SWL	1	0.821	SPRING	32166	3RS ET
18-Apr-17	SWL	2	5.049	SPRING	32166	3RS ET
24-Apr-17	NEL	2	26.150	SPRING	32166	3RS ET
24-Apr-17	NEL	3	20.650	SPRING	32166	3RS ET
25-Apr-17	NWL	2	1.100	SPRING	32166	3RS ET
25-Apr-17	NWL	3	35.320	SPRING	32166	3RS ET
25-Apr-17	NWL	4	38.880	SPRING	32166	3RS ET
26-Apr-17	SWL	1	1.400	SPRING	32166	3RS ET
26-Apr-17	SWL	2	40.231	SPRING	32166	3RS ET
26-Apr-17	SWL	3	20.409	SPRING	32166	3RS ET
04-May-17	SWL	1	1.190	SPRING	32166	3RS ET
04-May-17	SWL	2	43.260	SPRING	32166	3RS ET
04-May-17	SWL	3	17.450	SPRING	32166	3RS ET
05-May-17	AW	1	5.010	SPRING	32166	3RS ET
05-May-17	WL	2	24.605	SPRING	32166	3RS ET
05-May-17	WL	3	7.320	SPRING	32166	3RS ET
05-May-17	SWL	1	2.630	SPRING	32166	3RS ET
05-May-17	SWL	2	4.260	SPRING	32166	3RS ET
08-May-17	NWL	3	51.352	SPRING	32166	3RS ET
08-May-17	NWL	4	24.048	SPRING	32166	3RS ET
09-May-17	NEL	2	40.300	SPRING	32166	3RS ET
09-May-17	NEL	3	7.100	SPRING	32166	3RS ET
11-May-17	AW	1	4.590	SPRING	32166	3RS ET
11-May-17	WL	1	13.043	SPRING	32166	3RS ET
11-May-17	WL	2	2.621	SPRING	32166	3RS ET
11-May-17	WL	3	7.059	SPRING	32166	3RS ET
11-May-17	WL	4	5.220	SPRING	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
11-May-17	SWL	2	0.520	SPRING	32166	3RS ET
11-May-17	SWL	3	2.050	SPRING	32166	3RS ET
11-May-17	SWL	4	2.970	SPRING	32166	3RS ET
17-May-17	NWL	1	8.700	SPRING	32166	3RS ET
17-May-17	NWL	2	60.600	SPRING	32166	3RS ET
17-May-17	NWL	3	6.300	SPRING	32166	3RS ET
22-May-17	NEL	2	6.960	SPRING	32166	3RS ET
22-May-17	NEL	3	27.140	SPRING	32166	3RS ET
22-May-17	NEL	4	12.700	SPRING	32166	3RS ET
23-May-17	SWL	2	26.840	SPRING	32166	3RS ET
23-May-17	SWL	3	33.160	SPRING	32166	3RS ET
07-Jun-17	SWL	2	33.230	SUMMER	32166	3RS ET
07-Jun-17	SWL	3	27.200	SUMMER	32166	3RS ET
07-Jun-17	SWL	4	1.900	SUMMER	32166	3RS ET
08-Jun-17	NWL	2	29.074	SUMMER	32166	3RS ET
08-Jun-17	NWL	3	26.566	SUMMER	32166	3RS ET
08-Jun-17	NWL	4	18.660	SUMMER	32166	3RS ET
08-Jun-17	NWL	5	1.100	SUMMER	32166	3RS ET
09-Jun-17	AW	1	1.040	SUMMER	32166	3RS ET
09-Jun-17	AW	2	3.900	SUMMER	32166	3RS ET
09-Jun-17	WL	1	2.850	SUMMER	32166	3RS ET
09-Jun-17	WL	2	5.782	SUMMER	32166	3RS ET
09-Jun-17	WL	3	13.859	SUMMER	32166	3RS ET
09-Jun-17	WL	4	8.589	SUMMER	32166	3RS ET
09-Jun-17	WL	5	0.920	SUMMER	32166	3RS ET
09-Jun-17	SWL	2	0.521	SUMMER	32166	3RS ET
09-Jun-17	SWL	3	1.399	SUMMER	32166	3RS ET
09-Jun-17	SWL	4	4.060	SUMMER	32166	3RS ET
12-Jun-17	NEL	2	1.100	SUMMER	32166	3RS ET
12-Jun-17	NEL	3	28.890	SUMMER	32166	3RS ET
12-Jun-17	NEL	4	7.910	SUMMER	32166	3RS ET
15-Jun-17	NEL	1	4.600	SUMMER	32166	3RS ET
15-Jun-17	NEL	2	37.200	SUMMER	32166	3RS ET
22-Jun-17	SWL	2	25.837	SUMMER	32166	3RS ET
22-Jun-17	SWL	3	29.935	SUMMER	32166	3RS ET
22-Jun-17	SWL	4	2.840	SUMMER	32166	3RS ET
23-Jun-17	NWL	2	37.550	SUMMER	32166	3RS ET
23-Jun-17	NWL	3	31.360	SUMMER	32166	3RS ET
23-Jun-17	NWL	4	4.790	SUMMER	32166	3RS ET
23-Jun-17	NEL	2	4.930	SUMMER	32166	3RS ET
23-Jun-17	NEL	3	2.930	SUMMER	32166	3RS ET
28-Jun-17	AW	2	4.750	SUMMER	32166	3RS ET
28-Jun-17	WL	2	4.697	SUMMER	32166	3RS ET
28-Jun-17	WL	3	16.707	SUMMER	32166	3RS ET
28-Jun-17	WL	4	8.280	SUMMER	32166	3RS ET
28-Jun-17	SWL	3	4.960	SUMMER	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. April and May 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.
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
04-May-17	1	1423	CWD	2	SWL	1	318	ON	3RS ET	22.2114	113.8839	SPRING	NONE
05-May-17	1	1032	CWD	11	WL	3	143	ON	3RS ET	22.2318	113.8279	SPRING	NONE
05-May-17	2	1121	CWD	3	WL	2	263	ON	3RS ET	22.2231	113.8363	SPRING	NONE
05-May-17	3	1135	CWD	1	WL	2	271	ON	3RS ET	22.2230	113.8263	SPRING	NONE
05-May-17	4	1211	CWD	5	WL	2	343	ON	3RS ET	22.2053	113.8398	SPRING	NONE
05-May-17	5	1305	CWD	7	WL	2	650	ON	3RS ET	22.1966	113.8405	SPRING	NONE
11-May-17	1	1041	CWD	1	WL	1	171	ON	3RS ET	22.2598	113.8467	SPRING	NONE
11-May-17	2	1118	CWD	9	WL	1	800	ON	3RS ET	22.2466	113.8511	SPRING	NONE
11-May-17	3	1148	CWD	13	WL	2	442	ON	3RS ET	22.2414	113.8442	SPRING	NONE
11-May-17	4	1217	CWD	6	WL	2	118	ON	3RS ET	22.2407	113.8333	SPRING	NONE
11-May-17	5	1228	CWD	6	WL	1	79	ON	3RS ET	22.2378	113.8266	SPRING	NONE
11-May-17	6	1236	CWD	7	WL	2	760	ON	3RS ET	22.2316	113.8287	SPRING	NONE
11-May-17	7	1315	CWD	9	WL	3	306	ON	3RS ET	22.2231	113.8195	SPRING	NONE
11-May-17	8	1335	CWD	11	WL	3	26	ON	3RS ET	22.2157	113.8177	SPRING	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
11-May-17	9	1432	CWD	6	WL	3	1021	ON	3RS ET	22.1867	113.8433	SPRING	NONE
11-May-17	10	1513	CWD	6	SWL	4	409	ON	3RS ET	22.1827	113.8498	SPRING	NONE
11-May-17	11	1543	CWD	4	SWL	3	354	ON	3RS ET	22.1967	113.8590	SPRING	NONE
23-May-17	1	1115	CWD	2	SWL	3	1472	ON	3RS ET	22.1802	113.9281	SPRING	NONE
23-May-17	2	1459	CWD	2	SWL	2	N/A	OFF	3RS ET	22.2029	113.8976	SPRING	NONE
07-Jun-17	1	1224	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1766	113.9070	SUMMER	NONE
07-Jun-17	2	1249	CWD	6	SWL	2	125	ON	3RS ET	22.2030	113.9079	SUMMER	NONE
07-Jun-17	3	1507	CWD	2	SWL	2	116	ON	3RS ET	22.2007	113.8684	SUMMER	NONE
08-Jun-17	1	1202	CWD	2	NWL	3	362	ON	3RS ET	22.3993	113.8889	SUMMER	NONE
09-Jun-17	1	1106	CWD	5	WL	2	846	ON	3RS ET	22.2413	113.8450	SUMMER	NONE
09-Jun-17	2	1207	CWD	2	WL	4	138	ON	3RS ET	22.2311	113.8382	SUMMER	NONE
09-Jun-17	3	1240	CWD	3	WL	3	44	ON	3RS ET	22.2120	113.8372	SUMMER	NONE
09-Jun-17	4	1358	CWD	5	SWL	3	6	ON	3RS ET	22.1915	113.8592	SUMMER	NONE
22-Jun-17	1	1026	CWD	9	SWL	2	620	ON	3RS ET	22.2094	113.9364	SUMMER	NONE
22-Jun-17	2	1200	CWD	3	SWL	3	11	ON	3RS ET	22.2054	113.9266	SUMMER	NONE
22-Jun-17	3	1212	CWD	1	SWL	3	67	ON	3RS ET	22.2055	113.9258	SUMMER	NONE
22-Jun-17	4	1222	CWD	1	SWL	3	25	ON	3RS ET	22.2053	113.9191	SUMMER	NONE
22-Jun-17	5	1230	CWD	2	SWL	2	64	ON	3RS ET	22.2026	113.9178	SUMMER	NONE
22-Jun-17	6	1248	CWD	1	SWL	2	720	ON	3RS ET	22.1941	113.9184	SUMMER	NONE
22-Jun-17	7	1354	CWD	2	SWL	2	28	ON	3RS ET	22.1916	113.9083	SUMMER	NONE
22-Jun-17	8	1406	CWD	3	SWL	2	5	ON	3RS ET	22.2063	113.9061	SUMMER	NONE
23-Jun-17	1	1001	CWD	1	NWL	2	72	ON	3RS ET	22.3476	113.8690	SUMMER	NONE
23-Jun-17	2	1212	CWD	2	NWL	3	17	ON	3RS ET	22.4073	113.8882	SUMMER	NONE
28-Jun-17	1	1028	CWD	3	WL	3	869	ON	3RS ET	22.2694	113.8568	SUMMER	NONE
28-Jun-17	2	1047	CWD	3	WL	2	65	ON	3RS ET	22.2649	113.8580	SUMMER	NONE
28-Jun-17	3	1119	CWD	5	WL	3	49	ON	3RS ET	22.2480	113.8515	SUMMER	NONE
28-Jun-17	4	1141	CWD	2	WL	3	250	ON	3RS ET	22.2411	113.8454	SUMMER	NONE
28-Jun-17	5	1201	CWD	2	WL	3	4	ON	3RS ET	22.2321	113.8296	SUMMER	NONE
28-Jun-17	6	1214	CWD	5	WL	4	482	ON	3RS ET	22.2232	113.8342	SUMMER	NONE
28-Jun-17	7	1250	CWD	2	WL	3	441	ON	3RS ET	22.2144	113.8268	SUMMER	NONE
28-Jun-17	8	1330	CWD	5	WL	3	224	ON	3RS ET	22.1953	113.8375	SUMMER	NONE
28-Jun-17	9	1428	CWD	1	SWL	3	1164	ON	3RS ET	22.1831	113.8593	SUMMER	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. April and May 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 June 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 380.867 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 24 on-effort sightings and total number of 71 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in June 2017 are shown as below:

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

$$STG = \frac{24}{380.867}\ x\ 100 = 6.30$$

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

$$ANI = \frac{71}{380.867}\ x\ 100 = 18.64$$

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

A total of 1190.104 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 53 on-effort sightings and total number of 210 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)

$$STG = \frac{53}{1190.104}\ x\ 100 = 4.45$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{210}{1190.104}\ x\ 100 = 17.65$$

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

SLMM031_20170607_1_2

SLMM027_20170607_2_3

SLMM052_20170607_2_2

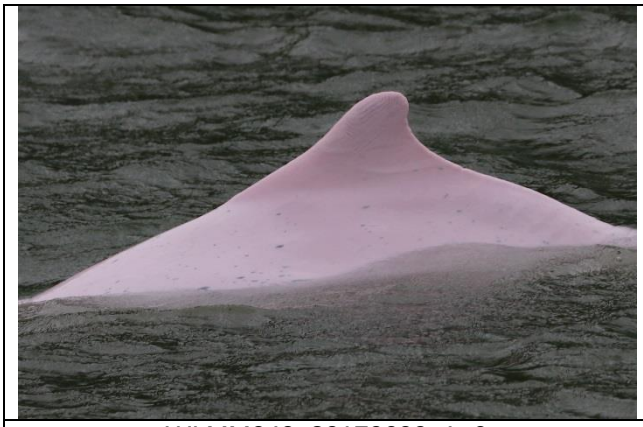
WLMM004_20170607_2_1

WLMM063_20170607_2_4

SLMM036_20170607_3_5

NLMM006_20170608_1_2

NLMM013_20170608_1_2



WLMM040_20170609_1_6

WLMM043_20170609_1_2

WLMM086_20170609_1_1_Left

WLMM090_20170609_1_2_Upper

WLMM086_20170609_3_2

WLMM009_20170609_4_1_Right

SLMM040_20170622_1_10

SLMM057_20170622_1_3

WLMM008_20170622_1_5

WLMM076_20170622_1_4

WLMM078_20170622_1_4

SLMM014_20170622_2_1

SLMM014_20170622_3_4

WLMM027_20170622_4_4

SLMM058_20170622_5_2

SLMM014_20170622_6_1

SLMM014_20170622_7_1	WLMM052_20170628_2_4
WLMM091_20170628_3_9	WLMM092_20170628_3_1
SLMM011_20170628_5_2	WLMM093_20170628_6_8
WLMM094_20170628_6_3	WLMM095_20170628_6_5

WLMM009_20170628_8_2	WLMM096_20170628_8_1

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
22/Jun/17	Lung Kwu Chau	8:44	14:44	6:00	2-3	2	0	N/A
23/Jun/17	Sha Chau	8:44	14:44	6:00	2-3	1-2	0	N/A
26/Jun/17	Lung Kwu Chau	8:37	14:40	6:03	1-3	2	5	3-5
27/Jun/17	Sha Chau	8:39	14:39	6:00	2-3	1-2	0	N/A
29/Jun/17	Lung Kwu Chau	8:46	14:46	6:00	2-3	1	4	2-5

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