Appendix D. Monitoring Results

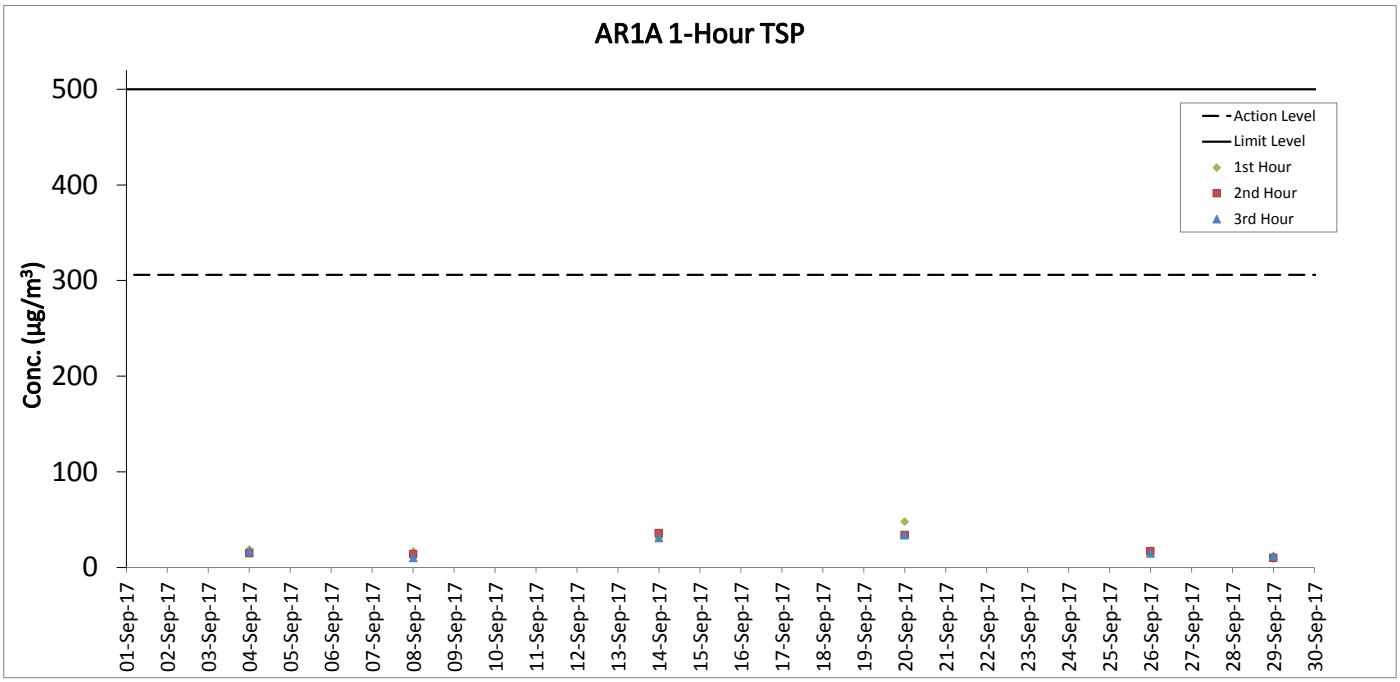
Air Quality Monitoring Results

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Sep-17	13:00	Rainy	7.9	229	19	306	500
04-Sep-17	14:00	Rainy	7.3	231	15	306	500
04-Sep-17	15:00	Rainy	3.8	254	17	306	500
08-Sep-17	13:25	Sunny	2.3	32	17	306	500
08-Sep-17	14:25	Sunny	2.4	15	14	306	500
08-Sep-17	15:25	Sunny	1.9	29	10	306	500
14-Sep-17	13:00	Sunny	5.0	118	31	306	500
14-Sep-17	14:00	Sunny	6.9	124	36	306	500
14-Sep-17	15:00	Sunny	7.6	126	31	306	500
20-Sep-17	13:00	Sunny	3.5	264	48	306	500
20-Sep-17	14:00	Sunny	2.0	290	34	306	500
20-Sep-17	15:00	Sunny	1.5	284	34	306	500
26-Sep-17	13:00	Sunny	3.0	298	18	306	500
26-Sep-17	14:00	Sunny	3.0	297	17	306	500
26-Sep-17	15:00	Sunny	3.2	293	15	306	500
29-Sep-17	13:00	Sunny	5.9	125	9	306	500
29-Sep-17	14:00	Sunny	6.5	126	10	306	500
29-Sep-17	15:00	Sunny	6.8	125	12	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)
04-Sep-17	09:05	Rainy	12.0	223	28	298	500
04-Sep-17	10:05	Rainy	10.7	229	27	298	500
04-Sep-17	11:05	Rainy	11.9	224	26	298	500
08-Sep-17	09:00	Fine	1.6	139	12	298	500
08-Sep-17	10:00	Fine	4.0	280	24	298	500
08-Sep-17	11:00	Fine	2.7	294	22	298	500
14-Sep-17	09:00	Sunny	6.1	78	33	298	500
14-Sep-17	10:00	Sunny	6.9	72	39	298	500
14-Sep-17	11:00	Sunny	5.6	67	43	298	500
20-Sep-17	09:10	Fine	2.9	52	52	298	500
20-Sep-17	10:10	Fine	3.3	47	52	298	500
20-Sep-17	11:10	Fine	3.4	104	49	298	500
26-Sep-17	09:05	Sunny	3.7	130	28	298	500
26-Sep-17	10:05	Sunny	2.0	133	38	298	500
26-Sep-17	11:05	Sunny	3.9	274	40	298	500
29-Sep-17	09:00	Sunny	4.2	118	19	298	500
29-Sep-17	10:00	Sunny	4.8	41	28	298	500
29-Sep-17	11:00	Sunny	4.3	115	36	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-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
08-Sep-17
09-Sep-17
10-Sep-17
11-Sep-17
12-Sep-17
13-Sep-17
14-Sep-17
15-Sep-17
16-Sep-17
17-Sep-17
18-Sep-17
19-Sep-17
20-Sep-17
21-Sep-17
22-Sep-17
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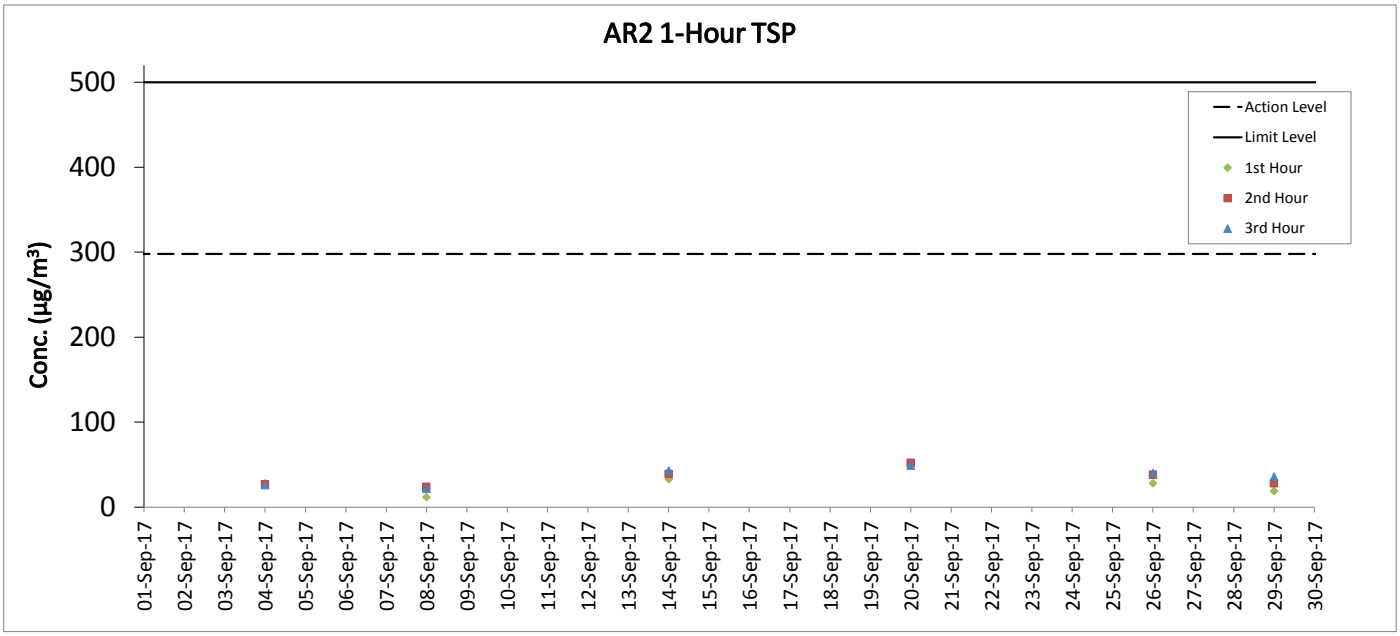
25-Sep-17
26-Sep-17
27-Sep-17
28-Sep-17
29-Sep-17
30-Sep-17


AR2 1-Hour TSP
Conc. (µg/m³)
500
400
300
200
100
0
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour
01-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
08-Sep-17
09-Sep-17
10-Sep-17
11-Sep-17
12-Sep-17
13-Sep-17
14-Sep-17
15-Sep-17
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18-Sep-17
19-Sep-17
20-Sep-17
21-Sep-17
22-Sep-17
23-Sep-17
24-Sep-17
25-Sep-17
26-Sep-17
27-Sep-17
28-Sep-17
29-Sep-17
30-Sep-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)
04-Sep-17	Cloudy	14:17	70.0	58.0	71
04-Sep-17	Cloudy	14:22	71.5	59.0	
04-Sep-17	Cloudy	14:27	73.5	58.5	
04-Sep-17	Cloudy	14:32	71.5	58.0	
04-Sep-17	Cloudy	14:37	73.0	59.5	
04-Sep-17	Cloudy	14:42	69.5	57.5	
14-Sep-17	Sunny	13:10	71.0	53.5	71
14-Sep-17	Sunny	13:15	71.5	54.5	
14-Sep-17	Sunny	13:20	72.0	55.5	
14-Sep-17	Sunny	13:25	70.5	55.5	
14-Sep-17	Sunny	13:30	72.0	56.0	
14-Sep-17	Sunny	13:35	72.0	56.5	
20-Sep-17	Sunny	13:09	71.0	55.5	71
20-Sep-17	Sunny	13:14	72.0	56.0	
20-Sep-17	Sunny	13:19	68.5	55.5	
20-Sep-17	Sunny	13:24	72.5	56.5	
20-Sep-17	Sunny	13:29	71.0	56.5	
20-Sep-17	Sunny	13:34	72.0	56.0	
26-Sep-17	Sunny	13:35	72.5	56.0	72
26-Sep-17	Sunny	13:40	72.0	55.5	
26-Sep-17	Sunny	13:45	72.0	55.5	
26-Sep-17	Sunny	13:50	72.0	54.5	
26-Sep-17	Sunny	13:55	71.5	54.0	
26-Sep-17	Sunny	14:00	69.5	54.5	

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

Noise Measurement Results
Station: NM3A- Site Office

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Sep-17	Cloudy	10:18	64.5	60.5	62
04-Sep-17	Cloudy	10:23	63.5	60.5	
04-Sep-17	Cloudy	10:28	63.5	60.5	
04-Sep-17	Cloudy	10:33	63.5	60.5	
04-Sep-17	Cloudy	10:38	64.0	61.0	
04-Sep-17	Cloudy	10:43	63.0	61.0	
14-Sep-17	Sunny	11:25	69.5	62.0	61
14-Sep-17	Sunny	11:30	66.0	62.0	
14-Sep-17	Sunny	11:35	66.5	62.0	
14-Sep-17	Sunny	11:40	65.5	62.0	
14-Sep-17	Sunny	11:45	68.0	62.0	
14-Sep-17	Sunny	11:50	70.0	62.0	
20-Sep-17	Sunny	10:12	65.0	60.5	57
20-Sep-17	Sunny	10:17	67.0	61.0	
20-Sep-17	Sunny	10:22	66.5	61.0	
20-Sep-17	Sunny	10:27	65.5	61.0	
20-Sep-17	Sunny	10:32	68.5	61.0	
20-Sep-17	Sunny	10:37	68.0	61.0	
26-Sep-17	Sunny	09:23	65.5	61.0	61
26-Sep-17	Sunny	09:28	70.0	61.5	
26-Sep-17	Sunny	09:33	67.0	61.5	
26-Sep-17	Sunny	09:38	67.5	61.0	
26-Sep-17	Sunny	09:43	70.0	61.0	
26-Sep-17	Sunny	09:48	68.0	61.5	

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)
04-Sep-17	Cloudy	14:30	63.0	60.0	66
04-Sep-17	Cloudy	14:35	65.0	60.5	
04-Sep-17	#REF!	14:40	65.0	61.0	
04-Sep-17	Cloudy	14:45	63.5	61.5	
04-Sep-17	Cloudy	14:50	64.0	61.0	
04-Sep-17	Cloudy	14:55	63.0	60.5	
14-Sep-17	Sunny	13:25	64.0	60.0	66
14-Sep-17	Sunny	13:30	62.5	60.0	
14-Sep-17	Sunny	13:35	65.5	61.0	
14-Sep-17	Sunny	13:40	65.0	60.5	
14-Sep-17	Sunny	13:45	63.0	60.5	
14-Sep-17	Sunny	13:50	65.0	60.0	
20-Sep-17	Fine	14:10	65.5	61.5	66
20-Sep-17	Fine	14:15	64.0	60.0	
20-Sep-17	Fine	14:20	65.0	59.5	
20-Sep-17	Fine	14:25	64.5	60.0	
20-Sep-17	Fine	14:30	64.5	61.0	
20-Sep-17	Fine	14:35	63.0	60.5	
26-Sep-17	Sunny	14:15	64.5	60.5	66
26-Sep-17	Sunny	14:20	66.5	61.5	
26-Sep-17	Sunny	14:25	65.0	60.5	
26-Sep-17	Sunny	14:30	64.0	60.5	
26-Sep-17	Sunny	14:35	64.0	60.5	
26-Sep-17	Sunny	14:40	62.5	59.5	

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

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

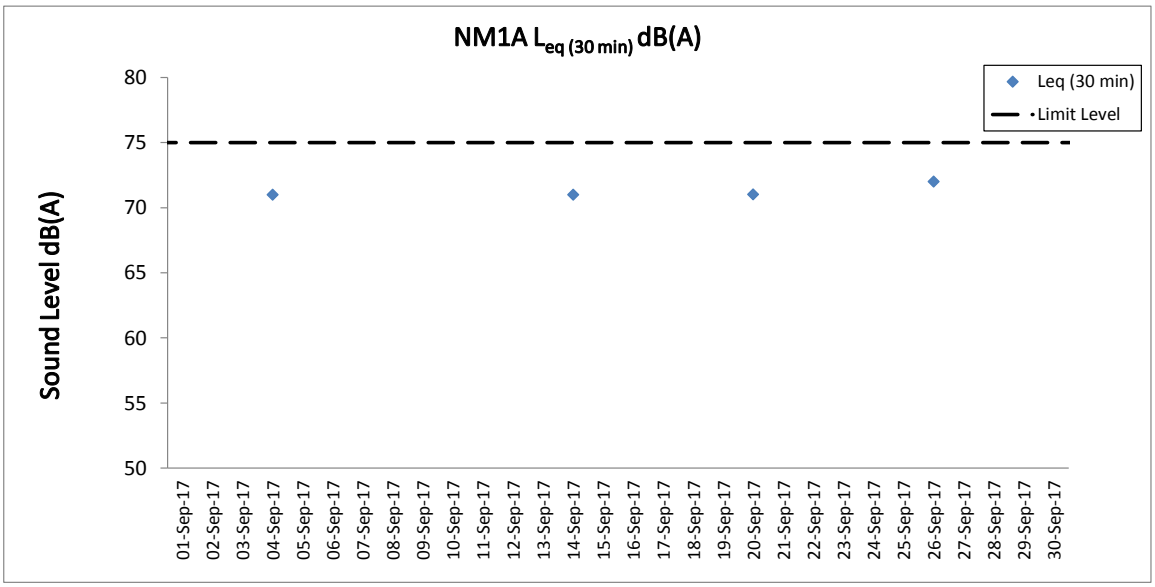
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Sep-17	Cloudy	09:15	60.6	47.5	58
04-Sep-17	Cloudy	09:20	60.5	48.5	
04-Sep-17	Cloudy	09:25	58.0	48.5	
04-Sep-17	Cloudy	09:30	57.0	46.5	
04-Sep-17	Cloudy	09:35	60.0	46.5	
04-Sep-17	Cloudy	09:40	56.5	47.5	
14-Sep-17	Sunny	09:25	59.0	51.5	59
14-Sep-17	Sunny	09:30	59.5	51.0	
14-Sep-17	Sunny	09:35	57.5	50.5	
14-Sep-17	Sunny	09:40	58.5	51.0	
14-Sep-17	Sunny	09:45	59.0	50.5	
14-Sep-17	Sunny	09:50	58.5	50.5	
20-Sep-17	Fine	10:05	59.0	50.5	59
20-Sep-17	Fine	10:10	58.5	51.5	
20-Sep-17	Fine	10:15	62.5	53.0	
20-Sep-17	Fine	10:20	60.0	52.5	
20-Sep-17	Fine	10:25	58.5	52.0	
20-Sep-17	Fine	10:30	63.5	52.0	
26-Sep-17	Sunny	10:05	54.0	47.0	58
26-Sep-17	Sunny	10:10	51.0	46.5	
26-Sep-17	Sunny	10:15	58.5	48.5	
26-Sep-17	Sunny	10:20	57.0	48.5	
26-Sep-17	Sunny	10:25	53.5	48.0	
26-Sep-17	Sunny	10:30	59.5	49.0	

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)
05-Sep-17	Cloudy	09:42	73.5	54.0	71
05-Sep-17	Cloudy	09:47	75.5	54.0	
05-Sep-17	Cloudy	09:52	76.0	54.5	
05-Sep-17	Cloudy	09:57	75.0	52.0	
05-Sep-17	Cloudy	10:02	74.0	52.0	
05-Sep-17	Cloudy	10:07	74.0	52.5	
12-Sep-17	Sunny	09:40	72.5	49.0	70
12-Sep-17	Sunny	09:45	76.0	51.5	
12-Sep-17	Sunny	09:50	71.5	50.0	
12-Sep-17	Sunny	09:55	70.0	47.5	
12-Sep-17	Sunny	10:00	68.0	46.5	
12-Sep-17	Sunny	10:05	75.0	50.0	
18-Sep-17	Sunny	09:41	71.5	55.0	66
18-Sep-17	Sunny	09:46	68.5	52.5	
18-Sep-17	Sunny	09:51	74.0	57.0	
18-Sep-17	Sunny	09:56	72.5	61.0	
18-Sep-17	Sunny	10:01	72.5	61.5	
18-Sep-17	Sunny	10:06	67.5	61.0	
28-Sep-17	Sunny	09:39	73.0	51.0	70
28-Sep-17	Sunny	09:44	75.5	59.5	
28-Sep-17	Sunny	09:49	70.0	57.5	
28-Sep-17	Sunny	09:54	71.0	57.5	
28-Sep-17	Sunny	09:59	63.0	49.5	
28-Sep-17	Sunny	10:04	74.0	48.0	

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


NM1A $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
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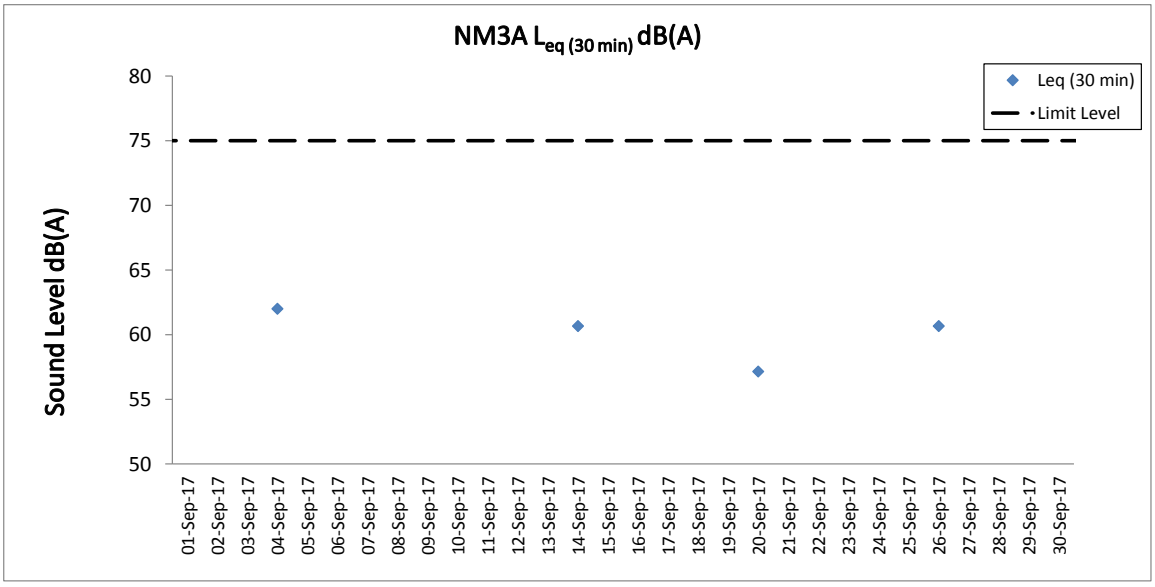
NM3A $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
08-Sep-17
09-Sep-17
10-Sep-17
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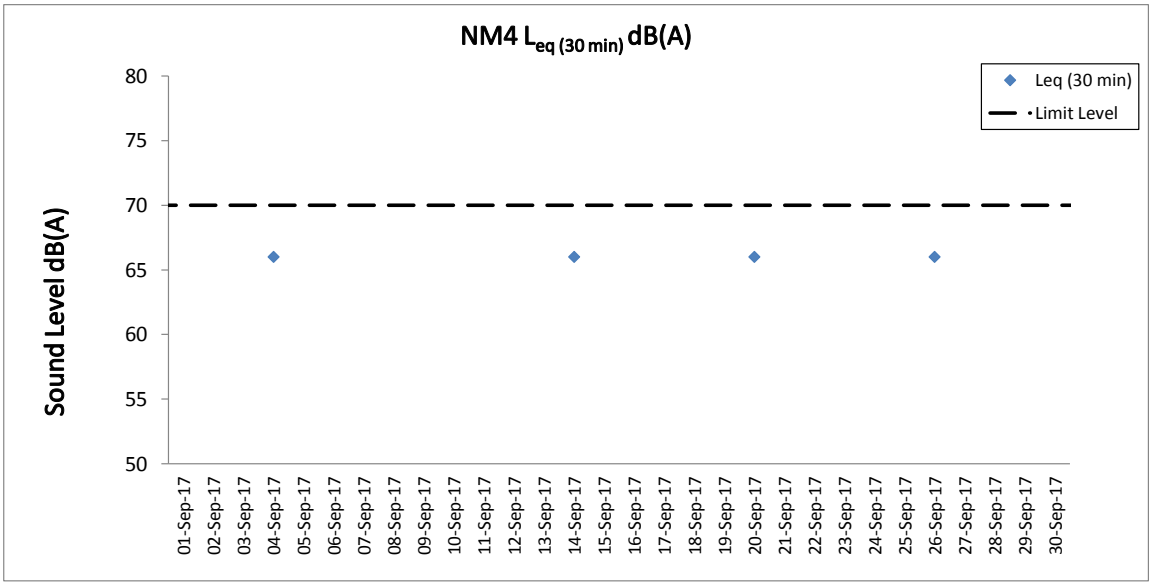
30-Sep-17


NM4 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
08-Sep-17
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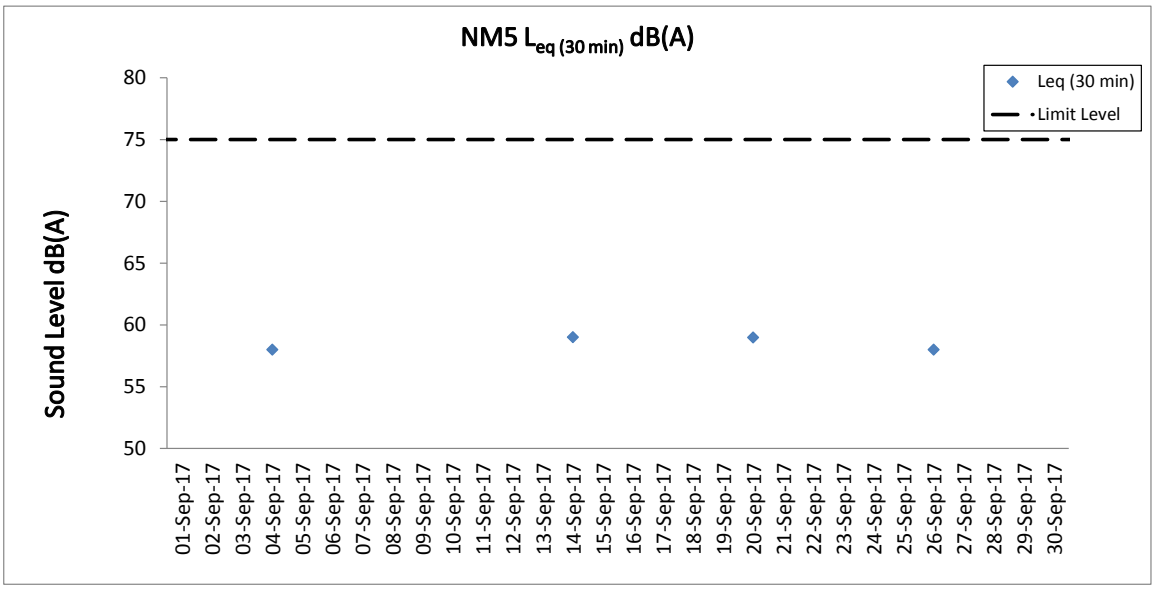
NM5 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
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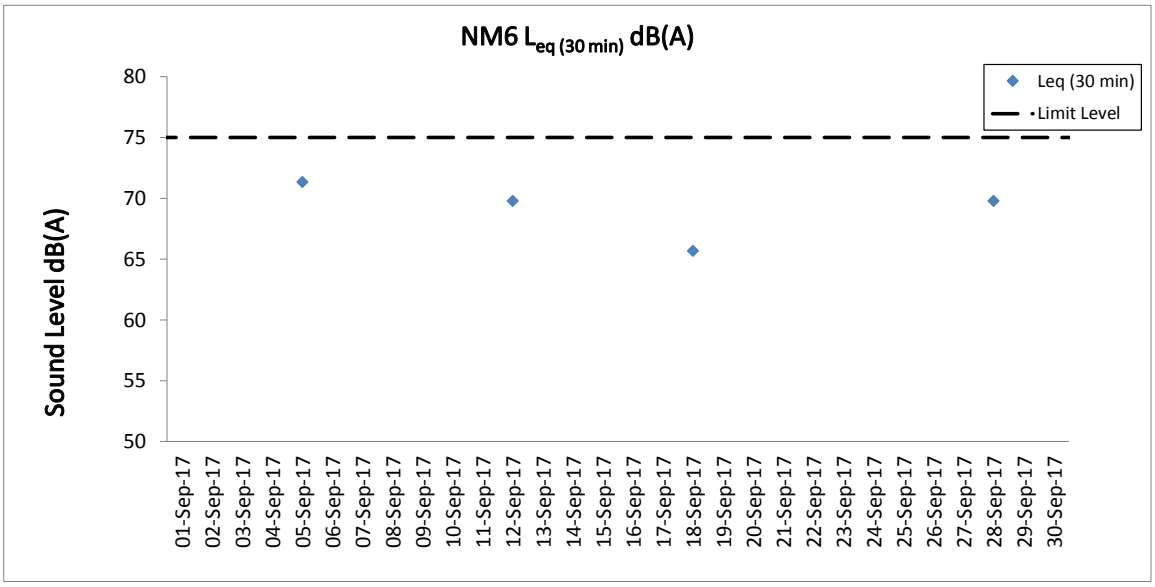
NM6 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Sep-17
02-Sep-17
03-Sep-17
04-Sep-17
05-Sep-17
06-Sep-17
07-Sep-17
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29-Sep-17
30-Sep-17

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 September 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	10:38	8.6	Surface	1.0	0.6	218	28.0	28.0	7.6	7.6	13.8	13.9	87.1	87.0	6.3	6.2	6.9	7.1	3	4	83	89	815624	804234	<0.2	<0.2	2.8	1.9
						1.0	0.6	237	28.0		7.6		13.9		86.9		6.3		6.9		3		83				<0.2		2.5	
					Middle	4.3	0.5	234	27.6	27.6	7.7	7.7	19.2	19.2	83.9	83.9	6.0		6.7		3		89				<0.2		2.3	
						4.3	0.6	240	27.6		7.7		19.2		83.9		6.0		6.7		3		89				<0.2		2.2	
					Bottom	7.6	0.5	211	26.2	26.2	7.7	7.7	30.4	30.5	74.9	74.9	5.1	5.1	7.7		5		93				<0.2		0.8	
						7.6	0.5	218	26.2		7.7		30.5		74.8		5.1		7.9		6		94				<0.2		0.8	
C2	Cloudy	Moderate	12:01	11.3	Surface	1.0	1.0	166	28.3	28.3	7.6	7.6	15.5	15.5	75.7	75.7	5.4	5.1	13.2	12.1	6	7	86	89	825662	806962	<0.2	<0.2	2.9	3.0
						1.0	1.0	168	28.3		7.6		15.5		75.7		5.4		13.2		5		85				<0.2		3.0	
					Middle	5.7	0.6	169	26.7	26.7	7.7	7.7	28.9	28.9	68.4	68.4	4.7		9.3		7		90				<0.2		2.9	
						5.7	0.6	183	26.7		7.7		28.9		68.4		4.7		9.3		8		91				<0.2		2.9	
					Bottom	10.3	0.3	148	26.6	26.6	7.7	7.7	29.6	29.6	69.7	69.7	4.7	4.7	13.7		7		92				<0.2		3.1	
						10.3	0.3	149	26.6		7.7		29.6		69.7		4.7		13.7		6		92				<0.2		2.9	
C3	Cloudy	Moderate	09:26	12.4	Surface	1.0	0.2	73	27.8	27.8	7.8	7.8	21.7	21.7	92.0	92.0	6.4	5.9	5.6	5.1	4	3	88	91	822122	817783	<0.2	<0.2	2.1	1.9
						1.0	0.2	76	27.8		7.8		21.7		92.0		6.4		5.6		2		87				<0.2		1.8	
					Middle	6.2	0.1	64	27.0	27.0	7.8	7.8	27.2	27.2	78.6	78.6	5.4		5.0		3		91				<0.2		1.8	
						6.2	0.1	67	27.0		7.8		27.2		78.5		5.4		5.0		3		91				<0.2		2.0	
					Bottom	11.4	2.2	293	26.4	26.4	7.7	7.7	30.7	30.7	75.9	75.9	5.1	5.1	4.6		3		93				<0.2		1.8	
						11.4	2.2	309	26.4		7.7		30.7		75.9		5.1		4.6		3		94				<0.2		1.9	
IM1	Cloudy	Moderate	11:01	6.7	Surface	1.0	0.5	193	27.3	27.3	7.7	7.7	21.6	21.6	78.7	78.7	5.5	5.1	7.2	9.2	3	5	81	87	818370	806447	<0.2	<0.2	2.9	1.8
						1.0	0.5	203	27.3		7.7		21.6		78.7		5.5		7.1		3		81				<0.2		2.6	
					Middle	3.4	0.3	178	26.0	26.0	7.7	7.7	30.4	30.4	67.7	67.7	4.6		8.3		6		86				<0.2		2.0	
						3.4	0.3	189	26.0		7.7		30.4		67.7		4.6		8.3		7		87				<0.2		1.6	
					Bottom	5.7	0.3	165	26.0	26.0	7.7	7.7	30.7	30.8	66.7	66.7	4.6	4.6	12.0		6		94				<0.2		0.9	
						5.7	0.3	170	26.0		7.7		30.8		66.7		4.6		12.4		5		94				<0.2		0.9	
IM2	Cloudy	Moderate	11:22	8.2	Surface	1.0	0.8	199	28.1	28.2	7.7	7.7	15.5	15.5	88.5	88.4	6.3	5.6	6.8	9.7	5	5	81	88	818842	806180	<0.2	<0.2	2.6	2.1
						1.0	0.8	214	28.2		7.7		15.5		88.2		6.3		6.8		5		81				<0.2		2.5	
					Middle	4.1	0.5	210	26.6	26.6	7.7	7.7	26.7	26.7	69.9	69.9	4.8		8.5		4		88				<0.2		2.6	
						4.1	0.5	219	26.6		7.7		26.7		69.9		4.8		8.5		4		89				<0.2		2.4	
					Bottom	7.2	0.4	195	26.0	26.0	7.7	7.7	30.4	30.5	68.2	68.4	4.7	4.7	13.8		7		93				<0.2		1.2	
						7.2	0.4	196	26.0		7.7		30.5		68.5		4.7		13.8		7		94				<0.2		1.1	
IM3	Cloudy	Moderate	11:31	8.1	Surface	1.0	0.7	208	28.3	28.3	7.6	7.6	15.3	15.3	84.9	85.0	6.1	6.2	7.3	11.0	5	8	81	87	819416	805999	<0.2	<0.2	2.4	2.0
						1.0	0.7	222	28.3		7.6		15.3		85.0		6.1		7.2		3		81				<0.2		2.9	
					Middle	4.1	0.6	219	28.0	28.0	7.7	7.7	17.6	17.6	87.5	87.4	6.2		6.3		5		86				<0.2		2.3	
						4.1	0.6	237	28.0		7.7		17.6		87.2		6.2		6.3		4		87				<0.2		2.2	
					Bottom	7.1	0.4	196	26.1	26.1	7.7	7.7	29.6	29.6	68.3	68.4	4.7	4.7	19.3		17		92				<0.2		1.1	
						7.1	0.4	197	26.1		7.7		29.6		68.5		4.7		19.5		16		92				<0.2		1.0	
IM4	Cloudy	Moderate	11:42	7.8	Surface	1.0	0.7	196	28.2	28.2	7.6	7.6	16.2	16.2	80.7	80.5	5.8	5.6	7.6	11.6	4	5	81	86	819571	805036	<0.2	<0.2	3.7	2.5
						1.0	0.8	197	28.1		7.6		16.2		80.3		5.7		7.6		4		81				<0.2		3.6	
					Middle	3.9	0.4	210	27.4	27.4	7.7	7.7	21.3	21.3	76.6	76.4	5.4		8.5		4		87				<0.2		2.5	
						3.9	0.5	216	27.4		7.7		21.3		76.2		5.4		8.6		5		87				<0.2		2.5	
					Bottom	6.8	0.4	184	26.2	26.2	7.7	7.7	28.9	29.0	68.0	68.0	4.7	4.7	17.8		7		91				<0.2		1.3	
						6.8	0.4	193	26.2		7.7		29.0		68.0		4.7		19.3		7		91				<0.2		1.6	
IM5	Cloudy	Moderate	11:58	6.4	Surface	1.0	0.8	195	28.1	28.1	7.5	7.5	15.8	15.8	71.6	71.5	5.1	4.9	8.4	10.6	6	6	81	89	820553	804908	<0.2	<0.2	3.0	2.2
						1.0	0.8	195	28.0		7.5		15.8		71.4		5.1		8.4		6		81				<0.2		2.9	
					Middle	3.2	0.6	211	26.6	26.6	7.6	7.6	27.1	27.1	67.8	67.9	4.7		9.5		5		92				<0.2		2.6	
						3.2	0.6	217	26.6		7.6		27.0		68.0		4.7		9.6		5		92				<0.2		2.5	
					Bottom	5.4	0.4	216	26.1	26.1	7.7	7.7	29.3	29.3	66.8	66.9	4.6	4.6	13.6		6		93				<0.2		1.1	
						5.4	0.4	233	26.1		7.7		29.3		66.9		4.6		13.9		6		93				<0.2		1.2	
IM6	Cloudy	Moderate	12:06	6.6	Surface	1.0	0.5	209	28.4	28.4	7.7	7.7	16.5	16.6	91.3	91.5	6.5	5.6	7.0	8.0	4	5	79	86	821078	805840	<0.2	<0.2	2.8	2.4
						1.0	0.5	210	28.3		7.7		16.7		91.7		6.5		7.1		6		79				<0.2		2.7	
					Middle	3.3	0.4	254	27.0	27.0	7.6	7.6	26.9	26.9	68.9	68.9	4.7		8.2		5		89				<0.2		2.4	
						3.3	0.4	268	27.0		7.6		26.8		68.9		4.7		8.2		5		89				<0.2		2.5	
					Bottom	5.6	0.2	245	26.5	26.5	7.6	7.6	27.5	27.5	68.0	68.2	4.7	4.7	8.7		4		91				<0.2		2.0	
						5.6	0.2	266	26.5		7.6		27.4		68.3		4.7		8.8		4		91				<0.2		2.1	
IM7	Cloudy	Moderate	12:15	7.8	Surface	1.0	0.4	209	28.4	28.4	7.7	7.7	16.4	16.4	81.8	81.1	5.8	5.1	7.4	9.2	3	4	81	89	821362	806840	<0.2	<0.2	2.7	2.1
						1.0	0.4	216	28.4		7.7		16.4		80.4		5.7		7.5		4		81				<0.2		2.8	
					Middle	3.9	0.4	249	26.4	26.4	7.6	7.6	28.0	28.0	65.5	65.6	4.5		10.0		4		91				<0.2		2.4	
						3.9	0.4	251	26.4		7.6		28.0		65.7		4.5		9.9		3		91				<0.2		2.4	
					Bottom	6.8	0.2	264	26.0	26.1	7.7	7.7	30.5	30.1	67.1	67.3	4.6	4.6	10.4		7		93				<0.2		1.0	
						6.8	0.3	289	26.1		7.7		29.7		67.4		4.6		10.2		5		94				<0.2		1.1	
IM8	Cloudy	Moderate	11:22	8.2	Surface	1.0	0.4	200	28.4	28.4	7.7	7.7	14.5	14.5	72.0	71.8	5.2	4.9	9.7	10.7	3	3	85	89	821703	807827	<0.2	<0.2	3.5	3.2
						1.0	0.4	207	28.4		7.7		14.5		71.6		5.1		9.7		3		84				<0.2		3.3	
					Middle	4.1	0.2	211	26.9	26.9	7.7	7.7	27.1	27.1	69.0	69.0	4.7		9.9		3		91				<0.2		2.9	
						4.1	0.2	218	26.9		7.7		27.1		69.0		4.7		9.9		3		91				<0.2		2.7	
					Bottom	7.2	0.2	228	26.4	26.4	7.7	7.7	28.7	28.7	69.7	69.7	4.8	4.8	12.4		4		92				<0.2		3.2	
						7.2	0.2	241	26.4		7.7		28.7		69.7		4.8		12.4		3		93				<0.2		3.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 September 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	11:15	7.4	Surface	1.0	0.4	148	28.2	28.2	7.7	7.7	17.0	17.0	74.9	74.9	5.3	4.9	8.8	10.9	3	3	85	90	822093	808823	<0.2	<0.2	3.0	3.0
						1.0	0.5	148	28.2		7.7		17.0		74.9		5.3		8.8		3		85				<0.2		3.2	
					Middle	3.7	0.3	141	26.8	26.8	7.7	7.7	27.6	27.6	66.2	66.2	4.5		10.6		3		92				<0.2		3.4	
						3.7	0.3	142	26.8		7.7		27.6		66.2		4.5		10.6		4		92				<0.2		2.9	
					Bottom	6.4	0.1	122	26.4	26.4	7.7	7.7	28.7	28.7	67.8	67.8	4.7	4.7	13.4		3		93				<0.2		2.7	
						6.4	0.2	131	26.4		7.7		28.7		67.8		4.7		13.4		3		94				<0.2		2.8	
IM10	Cloudy	Moderate	11:06	8.4	Surface	1.0	0.6	119	28.3	28.3	7.7	7.7	18.6	18.6	80.9	80.9	5.7	5.2	8.4	11.7	3	3	86	89	822246	809836	<0.2	<0.2	3.2	3.1
						1.0	0.6	123	28.3		7.7		18.6		80.9		5.7		8.4		2		85				<0.2		3.0	
					Middle	4.2	0.4	95	27.0	27.0	7.7	7.7	25.9	25.9	68.7	68.7	4.7		10.7		2		88				<0.2		3.2	
						4.2	0.4	99	27.0		7.7		25.9		68.7		4.7		10.7		4		89				<0.2		2.9	
					Bottom	7.4	0.3	79	26.4	26.4	7.6	7.6	28.7	28.7	77.7	77.7	5.3	5.3	16.0		4		93				<0.2		3.0	
						7.4	0.3	79	26.4		7.6		28.7		77.7		5.3		16.0		3		92				<0.2		3.1	
IM11	Cloudy	Moderate	10:45	8.5	Surface	1.0	0.5	110	28.4	28.4	7.7	7.7	15.9	15.9	81.3	81.3	5.8	5.5	8.8	15.3	3	4	84	88	821486	810540	<0.2	<0.2	3.0	2.8
						1.0	0.5	120	28.4		7.7		15.9		81.3		5.8		8.8		3		84				<0.2		2.9	
					Middle	4.3	0.3	100	27.7	27.7	7.7	7.7	21.9	21.9	74.9	74.9	5.2		9.8		4		86				<0.2		2.8	
						4.3	0.3	104	27.7		7.7		21.9		74.9		5.2		9.8		4		87				<0.2		2.8	
					Bottom	7.5	0.2	89	26.5	26.5	7.7	7.7	28.2	28.2	72.5	72.6	5.0	5.0	27.4		6		92				<0.2		2.7	
						7.5	0.2	93	26.5		7.7		28.2		72.7		5.0		27.4		5		92				<0.2		2.8	
IM12	Cloudy	Moderate	10:34	9.0	Surface	1.0	0.4	82	28.0	28.0	7.7	7.7	16.1	16.1	72.5	72.5	5.2	4.9	10.6	12.8	3	4	84	88	821167	811500	<0.2	<0.2	3.1	2.8
						1.0	0.5	86	28.0		7.7		16.1		72.5		5.2		10.6		3		84				<0.2		2.7	
					Middle	4.5	0.5	106	27.1	27.1	7.7	7.7	24.9	24.9	65.6	65.6	4.5		12.4		4		87				<0.2		2.5	
						4.5	0.5	115	27.1		7.7		24.9		65.6		4.5		12.4		4		88				<0.2		2.7	
					Bottom	8.0	0.2	79	26.5	26.5	7.7	7.7	28.3	28.3	65.0	65.0	4.5	4.5	15.5		4		91				<0.2		2.6	
						8.0	0.2	80	26.5		7.7		28.3		65.0		4.5		15.5		4		91				<0.2		2.9	
SR2	Cloudy	Moderate	09:57	4.8	Surface	1.0	0.4	71	28.0	28.0	7.7	7.7	18.7	18.7	86.5	86.5	6.1	6.1	6.3	5.0	4	4	88	90	821479	814155	<0.2	<0.2	2.7	2.6
						1.0	0.4	72	28.0		7.7		18.7		86.5		6.1		6.3		4		89				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	9	27.6	27.6	7.7	7.7	23.2	23.2	85.5	85.5	5.9	5.9	3.7		3		90				<0.2		2.8	
						3.8	0.1	9	27.6		7.7		23.2		85.5		5.9		3.7		4		91				<0.2		2.4	
SR3	Cloudy	Moderate	11:29	8.5	Surface	1.0	0.6	179	28.5	28.5	7.7	7.7	14.3	14.3	77.7	77.7	5.6	5.0	10.1	12.6	7	7	-	-	822161	807575	-	-	-	-
						1.0	0.6	192	28.5		7.7		14.3		77.7		5.6		10.1		6		-				-		-	
					Middle	4.3	0.2	206	26.5	26.5	7.7	7.7	28.3	28.3	64.3	64.3	4.4		14.1		6		-				-		-	
						4.3	0.2	221	26.5		7.7		28.3		64.3		4.4		14.1		8		-				-		-	
					Bottom	7.5	0.0	316	26.4	26.4	7.7	7.7	28.9	28.9	65.4	65.4	4.5	4.5	13.7		8		-				-		-	
						7.5	0.0	333	26.4		7.7		28.9		65.4		4.5		13.7		7		-				-		-	
SR4A	Cloudy	Calm	10:16	8.7	Surface	1.0	0.1	67	27.5	27.5	7.7	7.7	21.1	21.1	86.4	86.4	6.1	5.5	7.6	11.2	5	7	-	-	817185	807790	-	-	-	-
						1.0	0.1	69	27.5		7.7		21.1		86.3		6.1		7.6		6		-				-		-	
					Middle	4.4	0.2	70	26.3	26.3	7.7	7.7	29.4	29.4	72.3	72.2	5.0		7.3		5		-				-		-	
						4.4	0.2	70	26.3		7.7		29.4		72.1		4.9		7.5		4		-				-		-	
					Bottom	7.7	0.2	77	26.1	26.1	7.6	7.6	30.1	30.1	66.4	66.5	4.5	4.6	19.4		11		-				-		-	
						7.7	0.2	82	26.1		7.6		30.0		66.6		4.6		17.5		9		-				-		-	
SR5A	Cloudy	Calm	09:58	4.6	Surface	1.0	0.1	191	28.2	28.2	7.9	7.9	18.7	18.7	109.0	108.8	7.7	7.7	8.2	10.6	6	5	-	-	816606	810687	-	-	-	-
						1.0	0.1	195	28.2		7.9		18.7		108.6		7.6		8.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	328	27.7	27.7	7.7	7.7	23.0	23.0	87.2	87.3	6.0	6.1	13.0		4		-				-		-	
						3.6	0.1	348	27.7		7.7		23.0		87.3		6.1		13.0		6		-				-		-	
SR6	Cloudy	Calm	09:26	4.8	Surface	1.0	0.1	46	28.3	28.3	7.8	7.8	18.8	18.8	105.6	105.4	7.4	7.4	8.2	9.8	4	5	-	-	817898	814675	-	-	-	-
						1.0	0.1	50	28.3		7.8		18.8		105.2		7.4		8.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	157	26.9	26.9	7.5	7.5	25.2	25.2	71.2	71.2	4.9	4.9	11.3		6		-				-		-	
						3.8	0.0	163	26.9		7.5		25.2		71.2		4.9		11.3		6		-				-		-	
SR7	Cloudy	Moderate	08:48	16.2	Surface	1.0	0.2	71	27.5	27.5	7.8	7.8	22.7	22.7	85.7	85.7	6.0	5.4	4.9	5.2	2	3	-	-	823622	823754	-	-	-	-
						1.0	0.2	77	27.5		7.8		22.7		85.7		6.0		4.9		2		-				-		-	
					Middle	8.1	0.1	282	26.2	26.2	7.7	7.7	31.6	31.6	69.7	69.7	4.7		6.0		3		-				-		-	
						8.1	0.1	296	26.2		7.7		31.6		69.7		4.7		6.0		3		-				-		-	
					Bottom	15.2	0.1	282	26.1	26.1	7.7	7.7	32.5	32.5	70.0	70.0	4.7	4.7	4.8		3		-				-		-	
						15.2	0.1	289	26.1		7.7		32.5		70.0		4.7		4.7		3		-				-		-	
SR8	Cloudy	Moderate	10:24	4.7	Surface	1.0	-	-	28.1	28.1	7.7	7.7	17.0	17.0	83.7	83.7	5.9	5.9	8.1	13.5	3	3	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.1		7.7		17.0		83.7		5.9		8.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	27.3	27.3	7.6	7.6	25.2	25.2	83.6	83.6	5.8	5.8	18.9		3		-				-		-	
						3.7	-	-	27.3		7.6		25.2		83.6		5.8		18.9		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 02 September 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	18:01	8.4	Surface	1.0	0.3	59	28.4	28.4	7.6	7.6	15.9	16.0	82.8	82.6	5.9	5.3	8.8	27.2	4	7	86	90	815627	804237	<0.2	<0.2	2.6	2.2
						1.0	0.3	63	28.4		7.6		16.1		82.3		5.9		9.2		4		86				<0.2		2.7	
					Middle	4.2	0.3	22	26.2	26.2	7.7	7.7	30.1	30.1	68.5	68.5	4.7		21.2		7		92				<0.2		1.9	
						4.2	0.3	22	26.2		7.7		30.1		68.5		4.7		21.4		8		91				<0.2		1.7	
					Bottom	7.4	0.3	27	26.1	26.1	7.7	7.7	31.0	31.0	71.4	71.9	4.9	4.9	52.9		7		93				<0.2		1.9	
						7.4	0.3	27	26.1		7.7		31.0		72.3		4.9		49.9		9		94				<0.2		2.2	
C2	Cloudy	Rough	16:12	11.5	Surface	1.0	0.4	191	28.7	28.7	7.5	7.5	15.8	15.8	66.6	66.6	4.7	4.6	14.5	15.3	8	7	85	89	825686	806945	<0.2	<0.2	5.0	5.3
						1.0	0.4	202	28.7		7.5		15.8		66.6		4.7		14.5		7		84				<0.2		5.6	
					Middle	5.8	0.2	332	26.8	26.8	7.6	7.6	27.1	27.1	65.5	65.5	4.5		15.4		6		91				<0.2		5.4	
						5.8	0.2	352	26.8		7.6		27.1		65.5		4.5		15.4		7		90				<0.2		5.3	
					Bottom	10.5	0.4	338	26.7	26.7	7.6	7.6	28.7	28.7	67.2	67.2	4.6	4.6	15.9		7		91				<0.2		5.4	
						10.5	0.4	343	26.7		7.6		28.7		67.2		4.6		15.9		6		92				<0.2		4.8	
C3	Rainy	Moderate	18:28	12.1	Surface	1.0	0.3	237	27.6	27.6	7.8	7.8	24.5	24.5	89.3	89.3	6.1	5.7	7.5	9.5	2	3	89	92	822102	817790	<0.2	<0.2	1.7	1.7
						1.0	0.3	251	27.6		7.8		24.5		89.3		6.1		7.5		3		88				<0.2		1.6	
					Middle	6.1	0.4	257	26.8	26.8	7.8	7.8	28.4	28.4	77.7	77.7	5.3		9.5		4		93				<0.2		1.8	
						6.1	0.5	275	26.8		7.8		28.4		77.7		5.3		9.5		2		93				<0.2		1.8	
					Bottom	11.1	0.2	251	26.4	26.4	7.7	7.7	30.9	30.9	75.2	75.2	5.1	5.1	11.5		2		94				<0.2		1.6	
						11.1	0.2	266	26.4		7.7		30.9		75.2		5.1		11.5		3		95				<0.2		1.6	
IM1	Rainy	Moderate	17:34	7.3	Surface	1.0	0.7	346	27.9	27.9	7.7	7.7	20.1	20.0	84.0	83.8	5.9	5.7	8.7	13.1	6	6	84	86	818348	806439	<0.2	<0.2	2.2	2.0
						1.0	0.7	318	27.9		7.7		19.9		83.6		5.9		8.8		6		84				<0.2		2.5	
					Middle	3.7	0.7	344	27.5	27.5	7.7	7.7	22.1	22.1	78.5	78.4	5.5		9.7		6		86				<0.2		1.9	
						3.7	0.7	351	27.5		7.7		22.1		78.3		5.5		9.8		6		86				<0.2		2.3	
					Bottom	6.3	0.3	351	26.8	26.8	7.7	7.7	25.9	26.2	71.7	71.6	5.0	5.0	20.3		6		89				<0.2		1.7	
						6.3	0.3	323	26.7		7.7		26.4		71.4		4.9		21.5		7		89				<0.2		1.5	
IM2	Rainy	Moderate	17:25	8.1	Surface	1.0	0.7	332	28.0	28.0	7.8	7.8	20.2	20.2	94.0	93.9	6.6	5.9	8.7	17.2	6	10	84	87	818859	806187	<0.2	<0.2	2.1	1.7
						1.0	0.7	348	28.0		7.8		20.2		93.7		6.6		8.7		4		84				<0.2		2.0	
					Middle	4.1	0.6	353	26.8	26.9	7.7	7.7	26.9	26.8	75.6	76.0	5.2		15.8		9		86				<0.2		2.0	
						4.1	0.6	325	27.0		7.7		26.7		76.4		5.2		16.0		9		86				<0.2		1.9	
					Bottom	7.1	0.2	27	26.1	26.1	7.7	7.7	29.9	30.0	65.5	65.6	4.5	4.5	26.6		17		92				<0.2		1.1	
						7.1	0.2	27	26.1		7.7		30.0		65.6		4.5		27.1		16		91				<0.2		1.0	
IM3	Rainy	Moderate	17:13	8.4	Surface	1.0	0.6	346	28.2	28.2	7.8	7.8	18.7	18.7	93.8	93.6	6.6	5.7	10.5	17.0	6	10	81	87	819395	806006	<0.2	<0.2	2.3	1.8
						1.0	0.6	356	28.2		7.8		18.7		93.4		6.6		10.5		7		81				<0.2		2.4	
					Middle	4.2	0.5	1	26.4	26.4	7.7	7.7	28.1	28.2	70.0	69.9	4.8		17.8		7		88				<0.2		2.2	
						4.2	0.5	1	26.4		7.7		28.3		69.7		4.8		17.5		9		89				<0.2		1.9	
					Bottom	7.4	0.3	30	26.1	26.1	7.7	7.7	29.7	29.8	69.3	69.7	4.7	4.8	22.8		16		91				<0.2		0.9	
						7.4	0.3	32	26.1		7.7		29.8		70.0		4.8		23.1		17		91				<0.2		0.8	
IM4	Rainy	Rough	17:02	7.6	Surface	1.0	0.5	326	27.4	27.4	7.7	7.7	21.9	21.9	82.6	82.3	5.8	5.2	9.7	21.6	5	7	84	87	819588	805046	<0.2	<0.2	1.8	1.4
						1.0	0.5	346	27.4		7.7		21.9		82.0		5.7		9.9		7		84				<0.2		1.6	
					Middle	3.8	0.3	340	26.5	26.5	7.7	7.7	27.1	27.2	67.8	67.8	4.7		14.3		8		85				<0.2		1.8	
						3.8	0.4	358	26.5		7.7		27.2		67.7		4.7		14.6		9		86				<0.2		1.7	
					Bottom	6.6	0.3	340	26.0	26.0	7.7	7.7	30.4	30.4	65.2	65.4	4.5	4.5	40.1		7		91				<0.2		0.9	
						6.6	0.3	313	26.0		7.7		30.4		65.5		4.5		40.9		8		92				<0.2		0.8	
IM5	Rainy	Rough	16:48	6.6	Surface	1.0	0.3	320	28.3	28.3	7.6	7.6	17.0	17.0	84.8	84.7	6.0	5.4	10.3	18.9	9	9	85	89	820544	804916	<0.2	<0.2	2.6	2.3
						1.0	0.3	339	28.3		7.6		17.0		84.5		6.0		10.3		9		86				<0.2		2.6	
					Middle	3.3	0.3	347	27.0	27.0	7.6	7.6	24.8	24.9	68.7	68.6	4.8		15.3		10		89				<0.2		2.2	
						3.3	0.3	347	26.9		7.6		25.0		68.5		4.8		15.0		9		89				<0.2		2.2	
					Bottom	5.6	0.4	354	26.4	26.4	7.6	7.6	27.7	27.7	66.2	66.4	4.6	4.6	31.9		9		91				<0.2		2.0	
						5.6	0.4	326	26.4		7.6		27.7		66.6		4.6		30.8		8		91				<0.2		2.2	
IM6	Rainy	Rough	16:38	6.4	Surface	1.0	0.4	313	28.3	28.3	7.6	7.6	16.5	16.5	79.4	79.2	5.6	5.4	10.9	11.0	8	8	84	87	821052	805811	<0.2	<0.2	3.6	2.9
						1.0	0.4	318	28.3		7.6		16.5		78.9		5.6		10.8		7		84				<0.2		3.3	
					Middle	3.2	0.2	331	27.5	27.5	7.6	7.6	21.6	21.6	73.3	73.2	5.1		10.3		8		88				<0.2		2.7	
						3.2	0.2	338	27.5		7.6		21.6		73.0		5.1		10.6		8		88				<0.2		2.7	
					Bottom	5.4	0.3	341	27.0	27.1	7.6	7.6	24.5	24.4	70.1	70.2	4.9	4.9	11.7		8		90				<0.2		2.6	
						5.4	0.3	314	27.1		7.6		24.3		70.3		4.9		11.4		9		90				<0.2		2.2	
IM7	Rainy	Rough	16:26	7.6	Surface	1.0	0.4	256	28.1	28.2	7.6	7.6	17.7	17.7	76.9	76.8	5.4	5.2	11.4	15.4	10	10	83	88	821341	806818	<0.2	<0.2	3.0	2.6
						1.0	0.4	279	28.2		7.5		17.7		76.6		5.4		11.5		12		84				<0.2		2.9	
					Middle	3.8	0.3	272	27.2	27.2	7.6	7.6	23.5	23.5	69.8	69.8	4.9		12.5		10		88				<0.2		1.5	
						3.8	0.3	296	27.2		7.6		23.5		69.8		4.9		12.6		9		88				<0.2		3.1	
					Bottom	6.6	0.1	82	26.8	26.8	7.6	7.6	26.2	26.2	66.9	67.0	4.6	4.6	22.8		11		91				<0.2		1.7	
						6.6	0.1	86	26.8		7.6		26.2		67.0		4.6		21.7		10		91				<0.2		3.3	
IM8	Cloudy	Rough	16:40	8.1	Surface	1.0	0.2	229	29.4	29.4	7.7	7.7	11.2	11.2	78.5	78.5	5.6	5.4	19.4	20.3	7	7	82	87	821689	807833	<0.2	<0.2	5.4	**4.9**
						1.0	0.2	251	29.4		7.7		11.2		78.5		5.6		19.4		8		83				<0.2		4.6	
					Middle	4.1	0.2	222	28.1	28.1	7.6	7.6	20.1	20.1	74.7	74.7	5.2		14.0		6		88				<0.2		4.6	
						4.1	0.2	241	28.1		7.6		20.1		74.7		5.2		14.0		7		89				<0.2		4.8	
					Bottom	7.1	0.2	104	27.1	27.1	7.6	7.6	25.1	25.1	67.1	67.1	4.6	4.6	27.4		6		91				<0.2		4.8	
						7.1	0.2	109	27.1		7.6		25.1		67.1		4.6		27.4		8		91				<0.2		4.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 September 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	Rough	16:47	7.1	Surface	1.0	0.1	105	29.3	29.3	7.8	7.8	12.7	12.7	94.5	94.5	6.8	6.4	11.7	12.8	6	6	84	88	822104	808816	<0.2	<0.2	4.4	**4.3**
						1.0	0.1	105	29.3		7.8		12.7		94.5		6.8		11.7		6		85				<0.2		4.2	
					Middle	3.6	0.1	43	28.6	28.6	7.7	7.7	17.8	17.8	85.4	85.4	6.0		12.3		6		87				<0.2		4.3	
						3.6	0.1	45	28.6		7.7		17.8		85.4		6.0		12.3		6		87				<0.2		4.2	
					Bottom	6.1	0.1	325	27.1	27.1	7.7	7.7	25.7	25.7	88.4	88.4	6.1	6.1	14.4		7		91				<0.2		4.2	
						6.1	0.1	351	27.1		7.7		25.7		88.4		6.1		14.4		7		91				<0.2		4.3	
IM10	Rainy	Rough	16:55	7.2	Surface	1.0	0.3	5	29.0	29.0	7.8	7.8	15.6	15.6	87.1	87.1	6.2	5.4	11.8	15.9	5	6	86	89	822240	809851	<0.2	<0.2	3.2	3.3
						1.0	0.3	5	29.0		7.8		15.6		87.1		6.2		11.8		6		85				<0.2		3.4	
					Middle	3.6	0.4	320	27.0	27.0	7.7	7.7	24.6	24.6	66.5	66.5	4.6		15.9		7		89				<0.2		3.1	
						3.6	0.4	325	27.0		7.7		24.6		66.5		4.6		15.9		6		89				<0.2		3.1	
					Bottom	6.2	0.2	303	26.8	26.8	7.7	7.7	26.7	26.7	67.4	67.4	4.6	4.6	19.9		6		91				<0.2		3.8	
						6.2	0.3	331	26.8		7.7		26.7		67.4		4.6		19.9		6		92				<0.2		3.3	
IM11	Rainy	Rough	17:12	7.5	Surface	1.0	0.1	337	28.6	28.6	7.8	7.8	17.0	17.0	91.2	91.2	6.4	5.9	10.3	11.8	5	5	86	88	821502	810552	<0.2	<0.2	2.8	2.8
						1.0	0.1	351	28.6		7.8		17.0		91.2		6.4		10.3		5		85				<0.2		2.6	
					Middle	3.8	0.5	289	27.7	27.7	7.7	7.7	22.4	22.4	76.8	76.8	5.3		11.5		4		87				<0.2		2.8	
						3.8	0.5	290	27.7		7.7		22.4		76.8		5.3		11.5		4		87				<0.2		3.0	
					Bottom	6.5	0.3	325	26.9	26.9	7.7	7.7	27.6	27.6	78.4	78.4	5.4	5.4	13.6		6		93				<0.2		2.8	
						6.5	0.3	340	26.9		7.7		27.6		78.4		5.4		13.6		7		92				<0.2		2.9	
IM12	Rainy	Rough	17:20	8.7	Surface	1.0	0.3	267	28.8	28.8	7.9	7.9	16.3	16.3	94.9	94.9	6.7	5.8	11.0	16.7	5	5	85	90	821155	811502	<0.2	<0.2	2.8	2.8
						1.0	0.3	285	28.8		7.9		16.3		94.9		6.7		11.0		5		86				<0.2		2.7	
					Middle	4.4	0.6	271	27.0	27.0	7.7	7.7	27.3	27.3	72.0	72.0	4.9		16.5		6		90				<0.2		2.8	
						4.4	0.6	294	27.0		7.7		27.3		72.0		4.9		16.5		4		90				<0.2		2.7	
					Bottom	7.7	0.2	276	26.6	26.6	7.7	7.7	28.6	28.6	71.0	71.0	4.9	4.9	22.5		5		93				<0.2		2.8	
						7.7	0.2	290	26.6		7.7		28.6		71.0		4.9		22.5		5		94				<0.2		2.8	
SR2	Rainy	Rough	17:45	4.8	Surface	1.0	0.2	312	28.2	28.2	8.0	8.0	20.5	20.5	91.0	91.0	6.3	6.3	12.7	15.3	7	6	88	91	821454	814168	<0.2	<0.2	2.2	2.0
						1.0	0.2	343	28.2		8.0		20.5		91.0		6.3		12.7		7		89				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	100	26.8	26.8	7.7	7.7	28.6	28.6	74.5	74.5	5.1	5.1	17.8		5		93				<0.2		1.9	
						3.8	0.1	104	26.8		7.7		28.6		74.5		5.1		17.8		6		94				<0.2		1.9	
SR3	Cloudy	Rough	16:32	8.5	Surface	1.0	0.4	202	29.3	29.3	7.6	7.6	12.2	12.2	80.8	80.8	5.8	5.4	12.5	14.6	7	7	-	-	822149	807560	-	-	-	-
						1.0	0.4	212	29.3		7.6		12.2		80.8		5.8		12.5		8		-				-		-	
					Middle	4.3	0.2	247	27.6	27.6	7.6	7.6	22.5	22.5	70.0	70.0	4.9		13.5		7		-				-		-	
						4.3	0.2	266	27.6		7.6		22.5		70.0		4.9		13.5		7		-				-		-	
					Bottom	7.5	0.2	104	26.9	26.9	7.6	7.6	27.2	27.2	68.6	68.6	4.7	4.7	17.8		7		-				-		-	
						7.5	0.2	104	26.9		7.6		27.2		68.6		4.7		17.8		6		-				-		-	
SR4A	Rainy	Moderate	18:21	9.0	Surface	1.0	0.1	44	28.4	28.4	7.8	7.8	17.0	17.0	99.4	99.5	7.0	7.2	11.9	14.7	10	12	-	-	817184	807795	-	-	-	-
						1.0	0.1	45	28.4		7.8		17.0		99.5		7.0		11.9		10		-				-		-	
					Middle	4.5	0.2	251	27.8	27.8	7.9	7.9	23.0	23.0	105.0	105.0	7.3		15.0		12		-				-		-	
						4.5	0.2	258	27.8		7.9		22.9		105.0		7.3		14.9		14		-				-		-	
					Bottom	8.0	0.2	261	27.2	27.2	7.7	7.7	24.8	25.0	81.7	81.1	5.7	5.7	16.6		14		-				-		-	
						8.0	0.2	269	27.1		7.7		25.2		80.5		5.6		18.1		13		-				-		-	
SR5A	Cloudy	Moderate	18:39	4.3	Surface	1.0	0.2	296	28.3	28.3	8.0	8.0	21.1	21.1	129.6	129.6	9.0	9.0	10.2	13.4	7	8	-	-	816606	810700	-	-	-	-
						1.0	0.2	323	28.3		8.0		21.1		129.6		9.0		10.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	317	27.7	27.7	7.8	7.8	23.4	23.4	99.8	99.9	6.9	6.9	16.2		8		-				-		-	
						3.3	0.1	342	27.7		7.8		23.4		100.0		6.9		16.5		9		-				-		-	
SR6	Cloudy	Moderate	19:04	4.8	Surface	1.0	0.0	128	28.2	28.2	7.9	7.9	18.7	18.7	113.3	113.2	8.0	8.0	8.9	16.0	6	8	-	-	817903	814679	-	-	-	-
						1.0	0.0	132	28.2		7.9		18.7		113.0		7.9		9.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	31	27.2	27.2	7.6	7.6	24.6	24.6	72.2	72.8	5.0	5.1	23.0		10		-				-		-	
						3.8	0.0	33	27.2		7.6		24.5		73.4		5.1		22.9		8		-				-		-	
SR7	Rainy	Moderate	19:02	16.8	Surface	1.0	0.0	173	27.0	27.0	7.8	7.8	27.4	27.4	80.2	80.2	5.5	5.2	8.0	9.8	5	6	-	-	823619	823761	-	-	-	-
						1.0	0.0	187	27.0		7.8		27.4		80.2		5.5		8.0		6		-				-		-	
					Middle	8.4	0.0	164	26.5	26.5	7.8	7.8	30.3	30.3	72.2	72.2	4.9		10.4		6		-				-		-	
						8.4	0.0	180	26.5		7.8		30.3		72.2		4.9		10.4		7		-				-		-	
					Bottom	15.8	0.1	106	26.3	26.3	7.8	7.8	31.6	31.6	71.8	71.8	4.9	4.9	11.1		6		-				-		-	
						15.8	0.1	112	26.3		7.8		31.6		71.8		4.9		11.1		7		-				-		-	
SR8	Rainy	Rough	17:29	4.3	Surface	1.0	0.0	0	28.1	28.1	7.7	7.7	21.3	21.3	80.5	80.5	5.6	5.6	13.5	14.9	8	8	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	28.1		7.7		21.3		80.5		5.6		13.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	0	27.4	27.4	7.7	7.7	25.5	25.5	84.1	84.1	5.8	5.8	16.3		9		-				-		-	
						3.3	0.0	0	27.4		7.7		25.5		84.1		5.8		16.3		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 05 September 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	12:34	8.7	Surface	1.0	0.7	219	27.9	27.9	7.7	7.7	19.7	19.7	85.9	85.7	6.0	5.7	7.6	24.7	6	6	91	91	815628	804257	<0.2	<0.2	1.7	1.4
						1.0	0.8	230	27.9		7.7		19.6		85.5		6.0		7.6		7		91				<0.2		1.6	
					Middle	4.4	0.8	211	27.1	27.1	7.7	7.7	23.0	23.0	77.1	77.1	5.4		10.3		7		88				<0.2		1.2	
						4.4	0.9	229	27.1		7.7		23.0		77.1		5.4		10.3		6		88				<0.2		1.3	
					Bottom	7.7	0.5	222	26.6	26.6	7.7	7.7	29.7	29.7	69.0	69.2	4.7	4.7	56.3		6		93				<0.2		1.3	
						7.7	0.5	233	26.6		7.7		29.7		69.4		4.7		56.1		6		94				<0.2		1.2	
C2	Cloudy	Moderate	13:58	11.0	Surface	1.0	1.3	169	28.7	28.7	7.4	7.4	16.2	16.2	74.4	74.4	5.3	5.2	22.0	50.4	8	19	86	89	825680	806933	<0.2	<0.2	2.4	2.6
						1.0	1.4	174	28.7		7.4		16.2		74.4		5.3		22.0		8		86				<0.2		2.6	
					Middle	5.5	0.9	167	27.6	27.6	7.5	7.5	20.1	20.1	72.7	72.7	5.1		49.8		7		89				<0.2		2.0	
						5.5	0.9	177	27.6		7.5		20.1		72.7		5.1		49.8		6		88				<0.2		2.1	
					Bottom	10.0	0.3	179	27.4	27.4	7.6	7.6	23.1	23.1	71.5	71.5	5.0	5.0	79.3		45		93				<0.2		3.3	
						10.0	0.4	188	27.4		7.6		23.1		71.5		5.0		79.3		41		94				<0.2		3.3	
C3	Cloudy	Moderate	11:32	11.7	Surface	1.0	0.3	135	27.4	27.4	7.5	7.5	23.3	23.3	76.9	76.9	5.3	5.3	6.5	5.3	9	9	90	92	822126	817802	<0.2	<0.2	2.0	2.1
						1.0	0.3	144	27.4		7.5		23.3		76.9		5.3		6.5		9		89				<0.2		2.1	
					Middle	5.9	0.1	99	27.3	27.3	7.5	7.5	24.3	24.3	74.5	74.5	5.2		5.6		9		91				<0.2		2.4	
						5.9	0.2	100	27.3		7.5		24.3		74.5		5.2		5.6		8		92				<0.2		2.3	
					Bottom	10.7	0.4	31	27.0	27.0	7.5	7.5	26.4	26.4	75.5	75.5	5.2	5.2	3.9		10		96				<0.2		1.8	
						10.7	0.4	32	27.0		7.5		26.4		75.5		5.2		3.9		11		96				<0.2		1.7	
IM1	Cloudy	Rough	12:58	7.4	Surface	1.0	0.8	194	27.2	27.3	7.7	7.7	23.5	22.5	73.5	73.3	5.1	4.9	19.3	24.7	8	14	87	87	818365	806454	<0.2	<0.2	2.2	1.7
						1.0	0.9	205	27.3		7.7		21.5		73.1		5.1		19.4		7		87				<0.2		2.1	
					Middle	3.7	0.5	192	26.7	26.7	7.7	7.7	26.7	26.7	68.1	68.1	4.7		28.8		11		80				<0.2		1.7	
						3.7	0.5	206	26.7		7.7		26.6		68.1		4.7		28.6		10		80				<0.2		1.6	
					Bottom	6.4	0.1	265	26.6	26.6	7.7	7.7	28.9	29.0	67.3	67.3	4.6	4.6	25.7		24		95				<0.2		1.1	
						6.4	0.1	279	26.6		7.7		29.0		67.3		4.6		26.1		24		95				<0.2		1.2	
IM2	Cloudy	Moderate	13:07	8.4	Surface	1.0	0.7	210	28.0	28.0	7.6	7.6	18.3	18.3	85.3	85.3	6.0	5.7	8.2	28.8	7	13	85	90	818855	806204	<0.2	<0.2	2.0	1.7
						1.0	0.8	223	28.0		7.6		18.3		85.2		6.0		8.1		5		85				<0.2		2.0	
					Middle	4.2	0.7	213	27.1	27.2	7.7	7.7	22.0	22.0	77.1	77.2	5.4		12.6		7		89				<0.2		2.0	
						4.2	0.8	216	27.2		7.7		22.0		77.2		5.4		12.5		6		89				<0.2		2.0	
					Bottom	7.4	0.4	195	26.8	26.8	7.7	7.7	26.1	26.1	70.5	70.6	4.9	4.9	66.2		28		97				<0.2		1.2	
						7.4	0.5	195	26.8		7.7		26.1		70.6		4.9		65.1		26		97				<0.2		1.2	
IM3	Cloudy	Moderate	13:18	8.2	Surface	1.0	0.7	216	27.9	27.9	7.6	7.6	18.5	18.5	84.7	84.5	6.0	5.8	8.3	14.0	8	9	87	92	819412	806014	<0.2	<0.2	1.9	1.8
						1.0	0.7	224	27.9		7.6		18.5		84.3		6.0		8.4		7		87				<0.2		1.9	
					Middle	4.1	0.9	226	27.6	27.6	7.6	7.6	19.4	19.4	78.8	78.8	5.6		10.4		10		91				<0.2		2.0	
						4.1	0.9	230	27.6		7.6		19.3		78.8		5.6		10.6		8		91				<0.2		1.9	
					Bottom	7.2	0.6	222	26.9	26.9	7.7	7.7	24.5	24.5	71.6	71.6	5.0	5.0	23.0		10		99				<0.2		1.5	
						7.2	0.6	239	26.9		7.7		24.4		71.6		5.0		23.0		10		99				<0.2		1.8	
IM4	Cloudy	Moderate	13:26	7.7	Surface	1.0	0.7	199	27.8	27.8	7.6	7.6	18.8	18.8	83.4	83.3	5.9	5.7	17.7	26.1	6	10	87	90	819577	805044	<0.2	<0.2	2.0	1.8
						1.0	0.7	203	27.8		7.6		18.8		83.2		5.9		17.8		6		87				<0.2		2.0	
					Middle	3.9	0.5	207	27.3	27.3	7.6	7.6	21.7	21.7	76.9	76.9	5.4		15.3		11		97				<0.2		1.9	
						3.9	0.5	209	27.3		7.6		21.7		76.9		5.4		15.4		11		97				<0.2		1.8	
					Bottom	6.7	0.2	206	26.8	26.8	7.7	7.7	25.8	25.9	69.8	69.9	4.8	4.8	45.3		12		87				<0.2		1.7	
						6.7	0.2	225	26.8		7.7		25.9		69.9		4.8		45.1		14		87				<0.2		1.6	
IM5	Cloudy	Moderate	13:43	6.5	Surface	1.0	1.0	214	27.8	27.8	7.6	7.6	18.1	18.1	83.9	83.9	6.0	5.7	10.3	23.0	7	12	86	92	820576	804934	<0.2	<0.2	2.1	1.9
						1.0	1.1	229	27.8		7.6		18.1		83.9		6.0		10.4		8		86				<0.2		2.3	
					Middle	3.3	0.8	221	27.2	27.2	7.6	7.6	21.7	21.6	75.1	75.1	5.3		23.2		15		94				<0.2		1.8	
						3.3	0.9	232	27.2		7.6		21.5		75.1		5.3		22.8		14		94				<0.2		1.7	
					Bottom	5.5	0.7	222	27.1	27.1	7.6	7.6	22.5	22.5	73.7	73.7	5.2	5.2	35.7		15		95				<0.2		1.8	
						5.5	0.7	239	27.1		7.6		22.5		73.7		5.2		35.7		14		95				<0.2		1.8	
IM6	Cloudy	Moderate	13:54	6.4	Surface	1.0	0.5	225	27.9	27.9	7.6	7.6	18.8	18.9	82.5	82.3	5.8	5.6	11.0	16.6	6	7	87	94	821054	805812	<0.2	<0.2	2.0	2.0
						1.0	0.5	242	27.9		7.6		18.9		82.1		5.8		9.8		5		88				<0.2		1.9	
					Middle	3.2	0.6	228	27.3	27.3	7.6	7.6	21.1	21.2	75.5	75.5	5.3		14.4		7		97				<0.2		2.1	
						3.2	0.6	245	27.3		7.6		21.2		75.4		5.3		14.6		7		97				<0.2		2.0	
					Bottom	5.4	0.5	241	27.0	27.0	7.6	7.6	23.3	23.4	72.1	72.2	5.0	5.0	24.8		9		96				<0.2		2.0	
						5.4	0.6	263	27.0		7.6		23.5		72.2		5.0		25.2		8		96				<0.2		2.2	
IM7	Cloudy	Moderate	14:06	7.4	Surface	1.0	0.9	226	27.4	27.4	7.6	7.6	20.4	20.3	76.5	76.5	5.4	5.3	12.9	36.4	8	9	91	94	821337	806843	<0.2	<0.2	2.3	2.2
						1.0	0.9	227	27.4		7.6		20.2		76.5		5.4		12.6		9		91				<0.2		2.2	
					Middle	3.7	0.7	230	27.3	27.3	7.6	7.6	21.7	21.7	74.5	74.5	5.2		39.9		7		97				<0.2		2.2	
						3.7	0.8	233	27.3		7.6		21.7		74.4		5.2		39.3		8		97				<0.2		2.2	
					Bottom	6.4	0.5	228	27.2	27.2	7.6	7.6	21.9	21.9	74.2	74.3	5.2	5.2	57.7		10		94				<0.2		2.2	
						6.4	0.5	233	27.2		7.6		21.9		74.3		5.2		56.0		11		94				<0.2		2.0	
IM8	Cloudy	Rough	13:23	8.0	Surface	1.0	0.7	189	28.0	28.0	7.6	7.6	18.2	18.2	79.5	79.5	5.6	5.5	13.8	19.5	7	8	85	89	821681	807823	<0.2	<0.2	2.6	2.6
						1.0	0.7	191	28.0		7.6		18.2		79.5		5.6		13.8		8		86				<0.2		2.6	
					Middle	4.0	0.6	206	27.5	27.5	7.6	7.6	20.5	20.5	76.3	76.3	5.4		20.3		8		88				<0.2		2.5	
						4.0	0.6	212	27.5		7.6		20.5		76.3		5.4		20.3		8		89				<0.2		2.7	
					Bottom	7.0	0.4	216	27.4	27.4	7.6	7.6	21.8	21.8	77.4	77.4	5.4	5.4	24.5		8		92				<0.2		2.5	
						7.0	0.4	228	27.4		7.6		21.8		77.4		5.4		24.5		9		91				<0.2		2.5	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 05 September 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	13:15	7.2	Surface	1.0	0.6	158	27.8	27.8	7.6	7.6	18.5	18.5	78.6	78.6	5.6	5.6	12.2	13.7	8	9	87	89	822074	808800	<0.2	<0.2	2.5	2.5
						1.0	0.6	170	27.8		7.6		18.5		78.6		5.6		12.2		7		86				<0.2		2.4	
					Middle	3.6	0.5	162	27.6	27.6	7.6	7.6	19.4	19.4	77.1	77.1	5.5		13.5		9		88				<0.2		2.7	
						3.6	0.5	165	27.6		7.6		19.4		77.1		5.5		13.5		9		89				<0.2		2.5	
					Bottom	6.2	0.3	160	27.5	27.5	7.6	7.6	21.3	21.3	77.8	77.8	5.5	5.5	15.3		11		92				<0.2		2.4	
						6.2	0.3	163	27.5		7.6		21.3		77.8		5.5		15.3		11		92				<0.2		2.6	
IM10	Cloudy	Rough	13:06	7.2	Surface	1.0	0.8	140	27.9	27.9	7.5	7.5	18.2	18.2	79.7	79.7	5.7	5.6	11.4	12.1	8	8	87	89	822232	809845	<0.2	<0.2	2.5	2.4
						1.0	0.9	150	27.9		7.5		18.2		79.7		5.7		11.4		9		87				<0.2		2.3	
					Middle	3.6	0.7	134	27.7	27.7	7.5	7.5	20.0	20.0	78.5	78.5	5.5		11.3		9		88				<0.2		2.4	
						3.6	0.7	141	27.7		7.5		20.0		78.5		5.5		11.3		9		89				<0.2		2.4	
					Bottom	6.2	0.4	105	27.5	27.5	7.6	7.6	21.1	21.1	77.4	77.4	5.4	5.4	13.5		7		91				<0.2		2.3	
						6.2	0.4	113	27.5		7.6		21.1		77.4		5.4		13.5		7		91				<0.2		2.3	
IM11	Cloudy	Rough	12:46	8.0	Surface	1.0	0.6	119	28.1	28.1	7.5	7.5	17.5	17.5	79.5	79.5	5.6	5.5	12.3	17.5	7	7	87	89	821492	810548	<0.2	<0.2	2.2	2.2
						1.0	0.7	119	28.1		7.5		17.5		79.5		5.6		12.3		6		87				<0.2		2.0	
					Middle	4.0	0.6	103	27.6	27.6	7.5	7.5	19.9	19.9	77.0	77.0	5.4		17.9		7		88				<0.2		2.2	
						4.0	0.6	108	27.6		7.5		19.9		77.0		5.4		17.9		9		89				<0.2		2.3	
					Bottom	7.0	0.4	91	27.5	27.5	7.6	7.6	20.6	20.6	77.6	77.6	5.5	5.5	22.2		6		91				<0.2		2.2	
						7.0	0.4	92	27.5		7.6		20.6		77.6		5.5		22.2		7		92				<0.2		2.2	
IM12	Cloudy	Rough	12:37	9.1	Surface	1.0	0.7	117	27.9	27.9	7.5	7.5	18.0	18.0	81.0	81.0	5.7	5.7	10.2	12.3	7	7	88	91	821172	811537	<0.2	<0.2	2.3	2.4
						1.0	0.8	118	27.9		7.5		18.0		81.0		5.7		10.2		6		89				<0.2		2.2	
					Middle	4.6	0.6	107	27.5	27.5	7.5	7.5	19.9	19.9	79.4	79.4	5.6		13.9		7		91				<0.2		2.4	
						4.6	0.6	109	27.5		7.5		19.9		79.4		5.6		13.9		6		91				<0.2		2.5	
					Bottom	8.1	0.4	89	27.5	27.5	7.5	7.5	20.6	20.6	83.3	83.3	5.9	5.9	12.7		8		92				<0.2		2.3	
						8.1	0.5	93	27.5		7.5		20.6		83.3		5.9		12.7		10		92				<0.2		2.4	
SR2	Cloudy	Moderate	12:01	4.7	Surface	1.0	0.5	64	27.7	27.7	7.5	7.5	19.5	19.5	80.2	80.2	5.7	5.7	8.4	8.1	8	8	88	90	821470	814185	<0.2	<0.2	2.1	2.3
						1.0	0.6	66	27.7		7.5		19.5		80.2		5.7		8.4		7		89				<0.2		2.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	35	27.5	27.5	7.5	7.5	20.9	20.9	81.3	81.3	5.7	5.7	7.7		10		91				<0.2		2.2	
						3.7	0.3	35	27.5		7.5		20.9		81.3		5.7		7.7		8		91				<0.2		2.3	
SR3	Cloudy	Rough	13:27	8.6	Surface	1.0	0.8	184	28.0	28.0	7.6	7.6	17.8	17.8	79.7	79.7	5.7	5.6	11.6	24.2	7	8	-	-	822134	807581	-	-	-	-
						1.0	0.9	190	28.0		7.6		17.8		79.7		5.7		11.6		8		-				-		-	
					Middle	4.3	0.7	187	27.7	27.7	7.6	7.6	19.3	19.3	77.2	77.2	5.5		15.5		8		-				-		-	
						4.3	0.7	197	27.7		7.6		19.3		77.2		5.5		15.5		8		-				-		-	
					Bottom	7.6	0.3	227	27.4	27.4	7.6	7.6	23.0	23.0	76.5	76.5	5.3	5.3	45.4		8		-				-		-	
						7.6	0.3	242	27.4		7.6		23.0		76.5		5.3		45.4		10		-				-		-	
SR4A	Cloudy	Calm	12:07	9.8	Surface	1.0	0.2	61	27.1	27.1	7.6	7.6	24.9	25.0	68.4	68.4	4.7	4.7	19.3	28.1	9	17	-	-	817192	807824	-	-	-	-
						1.0	0.2	65	27.1		7.6		25.0		68.3		4.7		19.7		9		-				-		-	
					Middle	4.9	0.3	61	26.6	26.6	7.7	7.7	28.4	28.5	66.5	66.5	4.6		23.6		20		-				-		-	
						4.9	0.3	62	26.6		7.7		28.5		66.5		4.6		23.6		20		-				-		-	
					Bottom	8.8	0.1	51	26.6	26.6	7.7	7.7	29.2	29.2	66.8	67.0	4.6	4.6	40.5		23		-				-		-	
						8.8	0.1	52	26.6		7.7		29.2		67.1		4.6		41.6		21		-				-		-	
SR5A	Cloudy	Calm	11:42	5.4	Surface	1.0	0.1	51	27.4	27.4	7.6	7.6	20.7	20.7	77.8	77.8	5.5	5.5	15.2	16.7	10	12	-	-	816590	810683	-	-	-	-
						1.0	0.1	51	27.4		7.6		20.7		77.8		5.5		15.2		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	81	27.3	27.3	7.6	7.6	21.1	21.2	78.7	78.8	5.5	5.6	18.2		14		-				-		-	
						4.4	0.1	81	27.3		7.6		21.2		78.8		5.6		18.2		13		-				-		-	
SR6	Cloudy	Calm	11:17	4.8	Surface	1.0	0.1	63	28.0	28.0	7.6	7.6	19.2	19.2	83.6	83.6	5.9	5.9	8.4	11.7	7	7	-	-	817890	814680	-	-	-	-
						1.0	0.1	68	28.0		7.6		19.2		83.5		5.9		8.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	64	27.3	27.3	7.6	7.6	21.1	21.1	79.6	79.7	5.6	5.6	14.6		7		-				-		-	
						3.8	0.2	65	27.3		7.6		21.1		79.7		5.6		15.2		8		-				-		-	
SR7	Cloudy	Moderate	10:47	16.0	Surface	1.0	0.6	76	27.1	27.1	7.6	7.6	25.7	25.7	75.4	75.4	5.2	5.1	6.8	5.4	8	8	-	-	823654	823723	-	-	-	-
						1.0	0.7	80	27.1		7.6		25.7		75.4		5.2		6.8		8		-				-		-	
					Middle	8.0	0.1	20	26.9	26.9	7.6	7.6	27.6	27.6	72.3	72.3	5.0		5.2		8		-				-		-	
						8.0	0.1	21	26.9		7.6		27.6		72.3		5.0		5.2		9		-				-		-	
					Bottom	15.0	0.2	353	26.8	26.8	7.6	7.6	28.5	28.5	71.6	71.6	4.9	4.9	4.2		8		-				-		-	
						15.0	0.2	325	26.8		7.6		28.5		71.6		4.9		4.2		8		-				-		-	
SR8	Cloudy	Moderate	12:27	4.5	Surface	1.0	-	-	28.2	28.2	7.5	7.5	19.4	19.4	81.4	81.4	5.7	5.7	11.0	12.0	6	7	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.2		7.5		19.4		81.4		5.7		11.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	27.6	27.6	7.4	7.4	21.4	21.4	82.7	82.7	5.8	5.8	12.9		8		-				-		-	
						3.5	-	-	27.6		7.4		21.4		82.7		5.8		12.9		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 September 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	18:54	8.4	Surface	1.0	0.4	35	27.7	27.7	7.6	7.6	19.8	19.8	77.2	77.2	5.4	5.2	16.3	42.1	10	19	90	93	815609	804249	<0.2	<0.2	2.3	2.0
						1.0	0.4	35	27.6		7.6		19.8		77.2		5.4		16.6		12		90				<0.2		2.4	
					Middle	4.2	0.5	32	27.1	27.1	7.7	7.7	24.0	24.1	72.1	72.1	5.0		24.1		13		93				<0.2		1.8	
						4.2	0.5	34	27.1		7.7		24.1		72.1		5.0		24.4		14		94				<0.2		2.1	
					Bottom	7.4	0.6	29	26.9	27.0	7.7	7.7	25.3	25.3	71.1	71.2	4.9	4.9	89.0		32		96				<0.2		1.6	
						7.4	0.6	31	27.0		7.7		25.3		71.3		4.9		81.9		30		97				<0.2		1.5	
C2	Cloudy	Moderate	17:35	10.9	Surface	1.0	0.7	182	28.4	28.4	7.3	7.3	14.0	14.0	70.4	70.4	5.1	5.0	18.6	23.9	7	14	88	90	825677	806957	<0.2	<0.2	4.3	3.6
						1.0	0.7	196	28.4		7.3		14.0		70.4		5.1		18.6		8		87				<0.2		4.2	
					Middle	5.5	0.3	184	27.7	27.7	7.4	7.4	18.7	18.7	67.0	67.0	4.8		28.0		9		89				<0.2		3.8	
						5.5	0.4	198	27.7		7.4		18.7		67.0		4.8		28.0		9		89				<0.2		3.7	
					Bottom	9.9	0.0	304	27.5	27.5	7.4	7.4	21.9	21.9	68.8	68.8	4.8	4.8	25.1		24		94				<0.2		2.7	
						9.9	0.0	332	27.5		7.4		21.9		68.8		4.8		25.1		26		93				<0.2		2.6	
C3	Cloudy	Moderate	19:39	12.5	Surface	1.0	0.4	232	27.6	27.6	7.6	7.6	21.3	21.3	76.3	76.3	5.3	5.2	10.7	16.1	5	6	90	93	822101	817786	<0.2	<0.2	2.1	2.0
						1.0	0.4	238	27.6		7.6		21.3		76.3		5.3		10.7		5		90				<0.2		1.9	
					Middle	6.3	0.6	251	27.3	27.3	7.6	7.6	24.5	24.5	73.4	73.4	5.1		14.2		4		93				<0.2		1.8	
						6.3	0.6	275	27.3		7.6		24.5		73.4		5.1		14.2		6		93				<0.2		2.2	
					Bottom	11.5	0.5	273	27.0	27.0	7.6	7.6	27.1	27.1	72.6	72.6	5.0	5.0	23.3		9		96				<0.2		2.0	
						11.5	0.6	298	27.0		7.6		27.1		72.6		5.0		23.3		7		96				<0.2		1.9	
IM1	Cloudy	Moderate	18:33	7.5	Surface	1.0	0.2	32	27.9	27.9	7.6	7.6	19.6	19.6	79.5	79.6	5.6	5.7	16.2	25.0	10	15	84	89	818363	806445	<0.2	<0.2	2.3	1.8
						1.0	0.2	33	27.9		7.6		19.6		79.7		5.6		16.4		9		84				<0.2		2.0	
					Middle	3.8	0.3	15	27.9	27.9	7.7	7.7	20.5	20.6	80.9	80.9	5.7		19.1		13		89				<0.2		1.9	
						3.8	0.3	15	27.9		7.7		20.6		80.9		5.7		19.5		12		90				<0.2		1.9	
					Bottom	6.5	0.4	347	27.8	27.8	7.7	7.7	21.8	21.8	80.5	80.6	5.6	5.6	38.6		25		93				<0.2		1.4	
						6.5	0.4	319	27.8		7.7		21.8		80.6		5.6		40.0		23		94				<0.2		1.5	
IM2	Cloudy	Moderate	18:27	7.8	Surface	1.0	0.2	260	28.0	28.0	7.6	7.6	17.8	17.8	80.2	80.2	5.7	5.6	13.2	17.7	11	15	86	90	818844	806196	<0.2	<0.2	2.3	2.2
						1.0	0.2	270	28.0		7.6		17.8		80.1		5.7		13.4		10		86				<0.2		2.3	
					Middle	3.9	0.2	329	27.8	27.8	7.6	7.6	20.6	20.6	77.4	77.5	5.4		19.1		16		89				<0.2		2.3	
						3.9	0.2	356	27.8		7.6		20.6		77.5		5.4		19.0		14		89				<0.2		2.2	
					Bottom	6.8	0.3	355	27.6	27.6	7.6	7.6	21.2	21.2	78.1	78.4	5.5	5.5	20.7		18		94				<0.2		2.0	
						6.8	0.3	327	27.6		7.6		21.2		78.7		5.5		20.6		20		94				<0.2		1.9	
IM3	Cloudy	Moderate	18:19	8.1	Surface	1.0	0.2	244	28.1	28.1	7.5	7.5	15.9	15.9	78.0	78.0	5.6	5.6	15.0	23.8	12	20	87	91	819402	806028	<0.2	<0.2	2.9	2.3
						1.0	0.2	261	28.1		7.5		15.9		78.0		5.6		15.3		12		87				<0.2		2.8	
					Middle	4.1	0.2	295	28.0	28.0	7.6	7.6	17.7	17.7	78.7	78.7	5.6		21.1		16		91				<0.2		2.5	
						4.1	0.3	315	28.0		7.6		17.7		78.7		5.6		21.0		17		91				<0.2		2.7	
					Bottom	7.1	0.3	348	27.7	27.7	7.6	7.6	20.6	20.6	75.6	75.6	5.3	5.3	35.1		32		95				<0.2		1.6	
						7.1	0.3	320	27.7		7.6		20.5		75.5		5.3		35.5		31		96				<0.2		1.5	
IM4	Cloudy	Moderate	18:10	7.0	Surface	1.0	0.4	292	27.9	27.9	7.5	7.5	17.2	17.2	76.6	76.6	5.5	5.5	19.1	30.8	18	19	88	92	819585	805027	<0.2	<0.2	2.5	2.5
						1.0	0.4	305	27.9		7.5		17.2		76.6		5.5		19.2		16		89				<0.2		2.5	
					Middle	3.5	0.3	290	27.9	27.9	7.6	7.6	17.5	17.5	76.3	76.3	5.4		26.2		19		92				<0.2		2.5	
						3.5	0.3	303	27.9		7.6		17.5		76.3		5.4		25.4		20		92				<0.2		2.4	
					Bottom	6.0	0.2	299	27.7	27.7	7.6	7.6	18.6	18.6	76.9	77.1	5.5	5.5	47.4		20		94				<0.2		2.5	
						6.0	0.3	312	27.7		7.6		18.5		77.2		5.5		47.4		18		94				<0.2		2.7	
IM5	Cloudy	Moderate	17:57	6.2	Surface	1.0	0.5	288	27.8	27.8	7.5	7.5	17.3	17.3	74.0	74.0	5.3	5.3	22.2	33.6	16	23	86	90	820551	804916	<0.2	<0.2	2.6	2.7
						1.0	0.5	290	27.8		7.5		17.3		74.0		5.3		22.3		14		86				<0.2		2.7	
					Middle	3.1	0.4	284	27.7	27.7	7.5	7.5	17.9	17.9	73.0	73.1	5.2		36.4		24		91				<0.2		2.6	
						3.1	0.4	287	27.7		7.5		17.9		73.1		5.2		36.4		26		91				<0.2		2.7	
					Bottom	5.2	0.3	282	27.7	27.7	7.5	7.5	18.1	18.1	73.9	74.1	5.3	5.3	41.9		30		93				<0.2		2.6	
						5.2	0.3	287	27.7		7.5		18.1		74.2		5.3		42.1		28		94				<0.2		2.7	
IM6	Cloudy	Moderate	17:49	6.1	Surface	1.0	0.5	272	27.9	27.9	7.5	7.5	16.8	16.8	73.9	73.8	5.3	5.3	16.1	29.2	10	18	89	93	821069	805823	<0.2	<0.2	2.8	2.7
						1.0	0.6	288	27.9		7.5		16.8		73.6		5.3		16.5		10		89				<0.2		3.2	
					Middle	3.1	0.5	283	27.7	27.7	7.5	7.5	18.1	18.1	72.4	72.4	5.2		30.9		16		94				<0.2		2.7	
						3.1	0.5	283	27.7		7.5		18.0		72.4		5.2		31.0		16		94				<0.2		2.4	
					Bottom	5.1	0.4	282	27.7	27.7	7.5	7.5	18.2	18.2	73.5	73.7	5.2	5.3	40.1		26		95				<0.2		2.6	
						5.1	0.5	309	27.7		7.5		18.2		73.9		5.3		40.3		28		95				<0.2		2.6	
IM7	Cloudy	Moderate	17:40	7.5	Surface	1.0	0.6	233	27.9	27.9	7.5	7.5	16.8	16.8	73.1	73.2	5.2	5.2	19.6	29.6	16	20	91	94	821345	806815	<0.2	<0.2	3.0	2.7
						1.0	0.6	242	27.9		7.5		16.8		73.2		5.2		19.6		16		91				<0.2		2.8	
					Middle	3.8	0.6	240	27.7	27.7	7.5	7.5	18.0	18.0	72.0	72.0	5.1		30.3		17		96				<0.2		2.7	
						3.8	0.6	243	27.7		7.5		17.9		72.0		5.1		29.7		16		97				<0.2		2.9	
					Bottom	6.5	0.5	252	27.7	27.7	7.5	7.5	18.4	18.4	74.4	74.8	5.3	5.3	39.4		30		94				<0.2		2.4	
						6.5	0.5	262	27.7		7.5		18.4		75.1		5.3		38.8		27		94				<0.2		2.6	
IM8	Cloudy	Moderate	17:58	7.4	Surface	1.0	0.6	203	28.5	28.5	7.4	7.4	15.3	15.3	73.9	73.9	5.3	5.2	15.4	22.1	9	13	87	89	821709	807852	<0.2	<0.2	3.9	3.5
						1.0	0.6	217	28.5		7.4		15.3		73.9		5.3		15.4		6		87				<0.2		3.5	
					Middle	3.7	0.5	218	28.0	28.0	7.4	7.4	17.5	17.5	71.2	71.2	5.1		18.8		10		89				<0.2		3.8	
						3.7	0.5	239	28.0		7.4		17.5		71.2		5.1		18.8		8		88				<0.2		3.5	
					Bottom	6.4	0.3	249	27.9	27.9	7.5	7.5	18.1	18.1	73.1	73.1	5.2	5.2	32.0		22		92				<0.2		3.0	
						6.4	0.3	250	27.9		7.5		18.1		73.1		5.2		32.0		22		93				<0.2		3.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 September 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	18:06	6.4	Surface	1.0	0.2	197	28.5	28.5	7.4	7.4	14.9	14.9	74.5	74.5	5.3	5.3	15.4	18.5	6	9	87	90	822078	808798	<0.2	<0.2	3.7	3.5
						1.0	0.2	204	28.5		7.4		14.9		74.5		5.3		15.4		8		87				<0.2		3.2	
					Middle	3.2	0.1	304	28.0	28.0	7.5	7.5	17.8	17.8	73.5	73.5	5.2		19.0		8		89				<0.2		3.2	
						3.2	0.1	305	28.0		7.5		17.8		73.5		5.2		19.0		7		90				<0.2		3.6	
					Bottom	5.4	0.2	353	28.0	28.0	7.4	7.4	18.3	18.3	78.6	78.6	5.6	5.6	21.0		10		92				<0.2		3.5	
						5.4	0.2	325	28.0		7.4		18.3		78.6		5.6		21.0		12		92				<0.2		3.5	
IM10	Cloudy	Moderate	18:13	6.2	Surface	1.0	0.2	272	28.7	28.7	7.5	7.5	15.1	15.1	77.9	77.9	5.6	5.6	13.7	16.4	6	6	86	90	822236	809850	<0.2	<0.2	3.2	3.3
						1.0	0.2	297	28.7		7.5		15.1		77.9		5.6		13.7		7		87				<0.2		3.6	
					Middle	3.1	0.3	303	28.1	28.1	7.5	7.5	17.4	17.4	77.0	77.0	5.5		17.3		5		88				<0.2		3.5	
						3.1	0.3	323	28.1		7.5		17.4		77.0		5.5		17.3		7		89				<0.2		3.1	
					Bottom	5.2	0.3	329	28.0	28.0	7.5	7.5	18.7	18.7	80.2	80.2	5.7	5.7	18.1		6		93				<0.2		3.3	
						5.2	0.3	337	28.0		7.5		18.7		80.2		5.7		18.1		7		94				<0.2		2.8	
IM11	Cloudy	Moderate	18:32	7.1	Surface	1.0	0.3	304	28.5	28.5	7.5	7.5	15.2	15.2	79.6	79.6	5.7	5.7	13.3	20.4	5	5	87	91	821486	810525	<0.2	<0.2	2.9	3.1
						1.0	0.3	330	28.5		7.5		15.2		79.6		5.7		13.3		4		88				<0.2		3.4	
					Middle	3.6	0.4	301	28.2	28.2	7.6	7.6	17.8	17.8	78.5	78.5	5.6		17.8		4		91				<0.2		3.1	
						3.6	0.4	310	28.2		7.6		17.8		78.5		5.6		17.8		5		91				<0.2		3.2	
					Bottom	6.1	0.4	296	28.0	28.0	7.6	7.6	18.8	18.8	78.7	78.7	5.6	5.6	30.0		6		94				<0.2		2.9	
						6.1	0.4	303	28.0		7.6		18.8		78.7		5.6		30.0		6		93				<0.2		2.9	
IM12	Cloudy	Moderate	18:41	7.6	Surface	1.0	0.6	284	28.3	28.3	7.6	7.6	17.5	17.5	81.3	81.3	5.7	5.7	12.3	16.5	5	7	88	90	821181	811532	<0.2	<0.2	3.3	2.5
						1.0	0.6	302	28.3		7.6		17.5		81.3		5.7		12.3		6		87				<0.2		2.8	
					Middle	3.8	0.7	281	28.2	28.2	7.6	7.6	19.5	19.5	80.7	80.7	5.7		14.6		6		89				<0.2		2.8	
						3.8	0.8	302	28.2		7.6		19.5		80.7		5.7		14.6		5		89				<0.2		2.7	
					Bottom	6.6	0.5	281	28.1	28.1	7.6	7.6	21.6	21.6	80.4	80.4	5.6	5.6	22.6		10		93				<0.2		1.8	
						6.6	0.5	287	28.1		7.6		21.6		80.4		5.6		22.6		10		92				<0.2		1.8	
SR2	Cloudy	Moderate	19:14	4.5	Surface	1.0	0.1	339	27.9	27.9	7.6	7.6	20.1	20.1	78.0	78.0	5.5	5.5	19.6	20.8	5	5	90	91	821475	814150	<0.2	<0.2	2.4	2.3
						1.0	0.1	350	27.9		7.6		20.1		78.0		5.5		19.6		3		89				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	171	27.7	27.7	7.6	7.6	21.6	21.6	78.1	78.1	5.5	5.5	21.9		5		91				<0.2		2.2	
						3.5	0.2	180	27.7		7.6		21.6		78.1		5.5		21.9		5		92				<0.2		2.0	
SR3	Cloudy	Moderate	17:53	8.0	Surface	1.0	0.6	191	28.2	28.2	7.4	7.4	16.8	16.8	70.5	70.5	5.0	5.0	18.5	22.1	7	10	-	-	822150	807579	-	-	-	-
						1.0	0.6	201	28.2		7.4		16.8		70.5		5.0		18.5		7		-				-		-	
					Middle	4.0	0.3	213	27.9	27.9	7.4	7.4	17.8	17.8	69.5	69.5	4.9		22.4		8		-				-		-	
						4.0	0.3	224	27.9		7.4		17.8		69.5		4.9		22.4		8		-				-		-	
					Bottom	7.0	0.3	251	27.8	27.8	7.4	7.4	18.8	18.8	73.2	73.2	5.2	5.2	25.5		16		-				-		-	
						7.0	0.3	262	27.8		7.4		18.8		73.2		5.2		25.5		15		-				-		-	
SR4A	Cloudy	Calm	19:15	8.1	Surface	1.0	0.2	225	27.7	27.7	7.6	7.6	21.5	21.6	77.6	77.6	5.4	5.4	21.5	22.4	16	22	-	-	817203	807818	-	-	-	-
						1.0	0.2	226	27.7		7.6		21.6		77.6		5.4		21.4		18		-				-		-	
					Middle	4.1	0.2	224	27.6	27.6	7.6	7.6	21.9	21.9	75.9	75.9	5.3		20.2		24		-				-		-	
						4.1	0.2	238	27.6		7.6		21.9		75.8		5.3		20.9		22		-				-		-	
					Bottom	7.1	0.1	206	27.5	27.5	7.6	7.6	22.2	22.2	75.1	75.3	5.2	5.3	25.4		24		-				-		-	
						7.1	0.1	226	27.5		7.6		22.2		75.4		5.3		25.1		26		-				-		-	
SR5A	Cloudy	Calm	19:34	5.1	Surface	1.0	0.2	292	27.8	27.8	7.6	7.6	21.1	21.1	78.2	78.2	5.5	5.5	17.9	19.4	6	12	-	-	816588	810676	-	-	-	-
						1.0	0.3	318	27.8		7.6		21.1		78.2		5.5		18.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	323	27.7	27.7	7.6	7.6	21.5	21.5	80.8	81.3	5.6	5.7	20.5		17		-				-		-	
						4.1	0.2	336	27.7		7.6		21.5		81.8		5.7		20.8		18		-				-		-	
SR6	Rainy	Calm	20:05	5.4	Surface	1.0	0.1	241	27.7	27.7	7.6	7.6	19.7	19.7	79.9	79.9	5.6	5.6	15.8	18.8	9	14	-	-	817914	814668	-	-	-	-
						1.0	0.1	241	27.7		7.6		19.7		79.9		5.6		15.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	199	27.7	27.7	7.6	7.6	20.2	20.2	81.7	82.0	5.7	5.8	21.9		19		-				-		-	
						4.4	0.0	213	27.7		7.6		20.2		82.3		5.8		21.8		19		-				-		-	
SR7	Cloudy	Moderate	20:13	15.6	Surface	1.0	0.1	211	27.2	27.2	7.7	7.7	25.2	25.2	73.4	73.4	5.1	5.0	12.7	15.2	9	9	-	-	823616	823727	-	-	-	-
						1.0	0.1	226	27.2		7.7		25.2		73.4		5.1		12.7		9		-				-		-	
					Middle	7.8	0.0	221	27.1	27.1	7.7	7.7	26.5	26.5	71.3	71.3	4.9		16.6		10		-				-		-	
						7.8	0.0	232	27.1		7.7		26.5		71.3		4.9		16.6		8		-				-		-	
					Bottom	14.6	0.1	70	26.9	26.9	7.7	7.7	28.9	28.9	72.4	72.4	4.9	4.9	16.2		9		-				-		-	
						14.6	0.1	75	26.9		7.7		28.9		72.4		4.9		16.2		8		-				-		-	
SR8	Cloudy	Moderate	18:50	4.7	Surface	1.0	0.0	0	28.8	28.8	7.5	7.5	15.5	15.5	83.1	83.1	5.9	5.9	19.6	18.4	7	6	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	28.8		7.5		15.5		83.1		5.9		19.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	0	28.9	28.9	7.5	7.5	17.6	17.6	86.0	86.0	6.0	6.0	17.2		6		-				-		-	
						3.7	0.0	0	28.9		7.5		17.6		86.0		6.0		17.2		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 September 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	13:12	8.9	Surface	1.0	0.6	43	27.8	27.8	7.6	7.6	20.0	20.0	73.9	73.9	5.2	5.1	9.8	27.2	9	11	88	91	815626	804236	<0.2	<0.2	1.4	1.4
						1.0	0.6	45	27.8		7.6		19.9		73.8		5.2		9.9		11		89				<0.2		1.0	
					Middle	4.5	0.8	42	27.7	27.7	7.7	7.7	24.5	24.4	72.3	72.3	5.0		16.9		9		91				<0.2		1.1	
						4.5	0.8	42	27.7		7.7		24.3		72.2		5.0		16.8		9		92				<0.2		1.4	
					Bottom	7.9	0.5	35	27.4	27.5	7.7	7.7	27.1	27.0	71.2	71.3	4.8	4.9	55.7		12		93				<0.2		1.8	
						7.9	0.6	38	27.5		7.7		26.9		71.3		4.9		54.0		14		94				<0.2		1.7	
C2	Cloudy	Moderate	11:55	12.5	Surface	1.0	0.5	357	28.5	28.5	7.4	7.4	15.1	15.1	67.5	67.5	4.8	4.8	10.3	20.4	11	18	88	90	825689	806927	<0.2	<0.2	2.2	1.8
						1.0	0.5	328	28.5		7.4		15.1		67.5		4.8		10.3		10		88				<0.2		2.0	
					Middle	6.3	0.4	359	28.1	28.1	7.5	7.5	19.6	19.6	68.3	68.3	4.8		14.3		13		89				<0.2		1.8	
						6.3	0.5	330	28.1		7.5		19.6		68.3		4.8		14.4		14		90				<0.2		1.8	
					Bottom	11.5	0.4	352	27.9	27.9	7.5	7.5	21.3	21.3	71.1	71.1	5.0	5.0	36.4		28		94				<0.2		1.5	
						11.5	0.4	324	27.9		7.5		21.3		71.1		5.0		36.4		30		93				<0.2		1.6	
C3	Cloudy	Moderate	13:53	11.6	Surface	1.0	0.5	266	28.1	28.1	7.6	7.6	20.6	20.6	71.5	71.5	5.0	5.0	10.5	10.5	10	10	90	93	822128	817803	<0.2	<0.2	1.6	1.5
						1.0	0.6	269	28.1		7.6		20.6		71.4		5.0		10.6		10		90				<0.2		1.7	
					Middle	5.8	0.6	257	27.9	27.9	7.6	7.6	22.7	22.7	71.3	71.4	4.9		10.3		9		93				<0.2		1.5	
						5.8	0.6	282	27.9		7.6		22.7		71.4		4.9		10.2		10		93				<0.2		1.5	
					Bottom	10.6	0.5	265	27.8	27.8	7.6	7.6	23.5	23.5	72.8	72.9	5.0	5.0	10.6		9		96				<0.2		1.4	
						10.6	0.5	283	27.8		7.6		23.4		72.9		5.0		10.8		11		96				<0.2		1.3	
IM1	Rainy	Moderate	12:54	7.8	Surface	1.0	0.7	11	27.8	27.8	7.7	7.7	22.4	22.4	71.6	71.6	5.0	5.0	9.7	20.0	6	9	89	91	818339	806451	<0.2	<0.2	1.8	1.4
						1.0	0.8	11	27.8		7.7		22.4		71.6		5.0		9.8		7		89				<0.2		1.8	
					Middle	3.9	0.7	14	27.7	27.7	7.7	7.7	23.5	23.5	71.8	71.8	5.0		15.4		7		91				<0.2		1.5	
						3.9	0.8	14	27.7		7.7		23.5		71.8		5.0		15.4		8		91				<0.2		1.5	
					Bottom	6.8	0.5	356	27.6	27.6	7.7	7.7	25.0	25.0	72.5	72.7	5.0	5.0	34.9		13		93				<0.2		1.0	
						6.8	0.5	328	27.6		7.7		25.0		72.8		5.0		34.5		11		94				<0.2		0.9	
IM2	Rainy	Moderate	12:47	8.9	Surface	1.0	0.6	12	27.8	27.8	7.7	7.7	22.5	22.5	71.9	71.9	5.0	5.0	12.1	16.9	5	8	86	89	818871	806184	<0.2	<0.2	1.0	1.3
						1.0	0.7	12	27.8		7.7		22.5		71.9		5.0		12.1		5		86				<0.2		1.0	
					Middle	4.5	0.7	17	27.8	27.8	7.7	7.7	22.6	22.6	71.8	71.8	5.0		14.9		9		88				<0.2		1.1	
						4.5	0.7	17	27.8		7.7		22.6		71.8		5.0		14.9		10		89				<0.2		1.1	
					Bottom	7.9	0.4	3	27.6	27.6	7.7	7.7	25.0	25.0	72.7	72.7	5.0	5.0	23.8		10		91				<0.2		1.8	
						7.9	0.5	3	27.6		7.7		25.0		72.7		5.0		23.8		10		92				<0.2		1.7	
IM3	Rainy	Moderate	12:39	9.2	Surface	1.0	0.6	9	27.9	27.9	7.7	7.7	22.0	22.0	71.6	71.5	5.0	5.0	11.5	22.4	4	9	86	89	819412	806016	<0.2	<0.2	1.6	1.3
						1.0	0.7	9	27.9		7.7		22.0		71.4		5.0		11.5		5		86				<0.2		1.5	
					Middle	4.6	0.6	18	27.8	27.8	7.7	7.7	22.5	22.5	70.5	70.5	4.9		13.6		8		89				<0.2		1.3	
						4.6	0.6	18	27.8		7.7		22.5		70.5		4.9		13.7		7		89				<0.2		1.3	
					Bottom	8.2	0.4	21	27.4	27.4	7.7	7.7	26.7	26.7	69.6	69.7	4.7	4.8	42.0		13		93				<0.2		0.9	
						8.2	0.4	22	27.4		7.7		26.7		69.7		4.8		41.8		15		93				<0.2		1.0	
IM4	Rainy	Moderate	12:29	8.3	Surface	1.0	0.6	9	27.9	27.9	7.6	7.6	19.9	19.9	71.5	71.5	5.0	5.0	10.7	19.5	5	6	86	90	819570	805019	<0.2	<0.2	1.2	1.3
						1.0	0.6	9	27.9		7.6		19.9		71.4		5.0		10.8		6		86				<0.2		1.2	
					Middle	4.2	0.6	13	27.9	27.9	7.6	7.6	20.5	20.5	71.2	71.2	5.0		13.1		5		91				<0.2		1.2	
						4.2	0.7	14	27.9		7.6		20.5		71.2		5.0		13.6		6		91				<0.2		1.3	
					Bottom	7.3	0.4	4	27.4	27.4	7.7	7.7	26.6	26.6	70.2	70.2	4.8	4.8	34.3		6		93				<0.2		1.4	
						7.3	0.4	4	27.4		7.7		26.6		70.2		4.8		34.3		6		94				<0.2		1.4	
IM5	Cloudy	Moderate	12:17	7.5	Surface	1.0	0.8	11	27.9	27.9	7.6	7.6	20.4	20.4	71.1	71.1	5.0	5.0	11.5	18.0	6	7	86	89	820546	804921	<0.2	<0.2	1.4	1.1
						1.0	0.9	11	27.9		7.6		20.4		71.0		5.0		11.6		5		87				<0.2		1.3	
					Middle	3.8	0.8	16	27.8	27.9	7.6	7.6	21.9	21.4	70.8	70.9	4.9		16.4		6		90				<0.2		1.1	
						3.8	0.8	16	27.9		7.6		20.8		70.9		5.0		15.7		6		90				<0.2		1.1	
					Bottom	6.5	0.4	8	27.8	27.8	7.7	7.7	22.9	22.0	70.7	70.8	4.9	5.0	26.0		10		91				<0.2		0.8	
						6.5	0.5	8	27.8		7.6		21.1		70.8		5.0		26.6		11		91				<0.2		0.8	
IM6	Cloudy	Moderate	12:10	7.7	Surface	1.0	0.6	36	27.8	27.8	7.7	7.7	22.0	22.0	70.7	70.7	4.9	4.9	16.3	23.4	12	11	86	89	821079	805834	<0.2	<0.2	1.0	1.1
						1.0	0.6	39	27.8		7.7		22.0		70.7		4.9		16.4		11		86				<0.2		1.0	
					Middle	3.9	0.4	32	27.6	27.7	7.7	7.7	23.9	23.8	69.5	69.6	4.8		21.6		11		89				<0.2		1.1	
						3.9	0.4	33	27.7		7.7		23.7		69.6		4.8		21.5		12		89				<0.2		1.1	
					Bottom	6.7	0.3	31	27.5	27.5	7.7	7.7	25.1	25.1	69.3	69.3	4.8	4.8	32.2		11		93				<0.2		1.3	
						6.7	0.3	32	27.5		7.7		25.0		69.3		4.8		32.5		10		93				<0.2		1.3	
IM7	Cloudy	Moderate	12:00	8.6	Surface	1.0	0.5	47	27.9	27.9	7.7	7.7	22.0	21.6	71.2	71.2	4.9	5.0	14.7	18.6	14	15	83	89	821335	806850	<0.2	<0.2	1.1	1.2
						1.0	0.5	47	27.9		7.7		21.2		71.2		5.0		14.9		16		84				<0.2		1.1	
					Middle	4.3	0.5	35	27.7	27.7	7.7	7.7	23.2	23.2	71.7	71.8	5.0		19.4		15		89				<0.2		1.1	
						4.3	0.6	37	27.7		7.7		23.2		71.8		5.0		19.5		16		89				<0.2		1.3	
					Bottom	7.6	0.3	49	27.7	27.7	7.7	7.7	23.6	23.7	73.6	74.1	5.1	5.1	21.2		14		93				<0.2		1.4	
						7.6	0.3	51	27.7		7.7		23.8		74.5		5.1		22.1		14		94				<0.2		1.2	
IM8	Cloudy	Moderate	12:21	8.8	Surface	1.0	0.3	15	28.3	28.3	7.5	7.5	16.2	16.2	68.0	68.0	4.8	4.9	12.8	17.8	9	9	87	90	821683	807831	<0.2	<0.2	1.9	1.7
						1.0	0.3	16	28.3		7.5		16.2		68.0		4.8		12.9		8		87				<0.2		2.0	
					Middle	4.4	0.4	5	28.3	28.3	7.6	7.6	16.5	16.5	68.9	69.0	4.9		14.6		9		88				<0.2		1.8	
						4.4	0.5	5	28.3		7.6		16.5		69.0		4.9		14.6		8		89				<0.2		1.8	
					Bottom	7.8	0.3	8	28.3	28.3	7.6	7.6	18.0	18.0	70.6	70.6	5.0	5.0	25.8		11		93				<0.2		1.4	
						7.8	0.4	8	28.3		7.6		18.0		70.6		5.0		25.8		11		93				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 September 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	12:28	7.7	Surface	1.0	0.4	350	28.3	28.3	7.5	7.5	16.1	16.1	70.8	70.8	5.0	5.0	12.0	19.2	5	9	86	89	822106	808817	<0.2	<0.2	2.3	1.9
						1.0	0.4	322	28.3		7.5		16.1		70.8		5.0		12.0		4		87				<0.2		2.1	
					Middle	3.9	0.3	338	28.3	28.3	7.6	7.6	17.6	17.6	69.3	69.3	4.9		18.9		5		89				<0.2		2.0	
						3.9	0.3	338	28.3		7.6		17.6		69.3		4.9		19.0		5		89				<0.2		2.0	
					Bottom	6.7	0.4	322	28.3	28.3	7.7	7.7	18.3	18.3	70.4	70.4	5.0	5.0	26.7		17		92				<0.2		1.5	
						6.7	0.4	353	28.3		7.7		18.3		70.4		5.0		26.3		16		93				<0.2		1.5	
IM10	Rainy	Moderate	12:38	8.3	Surface	1.0	0.8	302	28.3	28.3	7.6	7.6	18.4	18.4	70.4	70.4	5.0	5.0	11.0	22.0	3	6	87	90	822242	809829	<0.2	<0.2	2.3	2.3
						1.0	0.9	323	28.3		7.6		18.4		70.4		5.0		11.0		4		87				<0.2		2.4	
					Middle	4.2	0.7	304	28.2	28.2	7.6	7.6	20.5	20.5	70.4	70.4	4.9		23.3		4		88				<0.2		2.6	
						4.2	0.7	315	28.2		7.6		20.5		70.4		4.9		23.4		6		89				<0.2		2.5	
					Bottom	7.3	0.6	310	28.1	28.1	7.7	7.7	21.5	21.5	72.4	72.5	5.0	5.0	31.9		8		93				<0.2		2.2	
						7.3	0.6	314	28.1		7.7		21.5		72.5		5.0		31.1		9		93				<0.2		1.9	
IM11	Rainy	Moderate	12:55	8.9	Surface	1.0	0.8	286	28.3	28.3	7.6	7.6	18.7	18.7	71.8	71.8	5.0	5.0	11.2	19.7	9	9	86	91	821512	810546	<0.2	<0.2	2.0	1.7
						1.0	0.8	297	28.3		7.6		18.7		71.7		5.0		11.2		10		87				<0.2		2.2	
					Middle	4.5	0.8	284	28.3	28.3	7.6	7.6	19.3	19.3	71.6	71.6	5.0		12.9		10		91				<0.2		1.6	
						4.5	0.8	297	28.3		7.6		19.3		71.6		5.0		12.9		8		92				<0.2		1.6	
					Bottom	7.9	0.6	296	28.0	28.0	7.6	7.6	22.1	22.1	73.9	74.0	5.1	5.1	35.2		9		94				<0.2		1.4	
						7.9	0.6	311	28.0		7.6		22.0		74.0		5.1		34.9		10		93				<0.2		1.6	
IM12	Rainy	Moderate	13:02	9.4	Surface	1.0	0.9	270	28.4	28.4	7.6	7.6	18.2	18.2	71.8	71.8	5.1	5.1	12.1	15.7	8	9	88	90	821175	811537	<0.2	<0.2	1.8	1.7
						1.0	0.9	283	28.4		7.6		18.2		71.8		5.1		12.2		8		88				<0.2		1.8	
					Middle	4.7	0.8	274	28.2	28.2	7.6	7.6	19.9	20.0	71.6	71.6	5.0		14.4		8		88				<0.2		1.5	
						4.7	0.9	284	28.2		7.6		20.0		71.5		5.0		14.5		9		88				<0.2		1.6	
					Bottom	8.4	0.6	279	28.1	28.1	7.6	7.6	21.4	21.5	71.1	71.1	4.9	4.9	20.4		10		92				<0.2		1.8	
						8.4	0.6	294	28.1		7.6		21.5		71.1		4.9		20.6		9		93				<0.2		1.9	
SR2	Rainy	Moderate	13:34	4.5	Surface	1.0	0.1	289	28.2	28.2	7.6	7.6	19.4	19.4	72.0	72.0	5.0	5.0	15.0	16.5	8	13	89	90	821459	814147	<0.2	<0.2	1.7	1.6
						1.0	0.1	299	28.2		7.6		19.4		72.0		5.0		15.2		7		89				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	253	28.1	28.1	7.6	7.6	20.6	20.6	72.5	72.6	5.1	5.1	17.8		18		91				<0.2		1.4	
						3.5	0.1	257	28.1		7.6		20.6		72.6		5.1		17.9		19		92				<0.2		1.5	
SR3	Cloudy	Moderate	12:17	9.2	Surface	1.0	0.3	9	28.3	28.3	7.5	7.5	16.9	16.9	68.2	68.3	4.8	4.9	13.7	15.1	8	10	-	-	822165	807567	-	-	-	-
						1.0	0.3	9	28.3		7.5		16.9		68.3		4.8		13.8		8		-				-		-	
					Middle	4.6	0.3	1	28.3	28.3	7.6	7.6	17.5	17.5	68.8	68.9	4.9		15.7		7		-				-		-	
						4.6	0.4	1	28.3		7.6		17.5		68.9		4.9		15.8		8		-				-		-	
					Bottom	8.2	0.2	353	28.2	28.2	7.6	7.6	18.1	18.1	71.1	71.2	5.0	5.0	15.7		14		-				-		-	
						8.2	0.2	354	28.2		7.6		18.1		71.2		5.0		15.8		15		-				-		-	
SR4A	Rainy	Moderate	13:37	9.2	Surface	1.0	0.5	249	28.0	28.0	7.6	7.6	21.5	21.5	73.2	73.2	5.1	5.1	15.4	19.4	16	18	-	-	817169	807813	-	-	-	-
						1.0	0.5	273	28.0		7.6		21.5		73.1		5.1		15.5		16		-				-		-	
					Middle	4.6	0.4	252	28.0	28.0	7.6	7.6	21.7	21.7	72.7	72.7	5.0		17.7		17		-				-		-	
						4.6	0.5	277	28.0		7.6		21.7		72.7		5.0		17.7		17		-				-		-	
					Bottom	8.2	0.3	255	27.6	27.6	7.7	7.7	25.7	25.7	71.0	71.3	4.9	4.9	25.2		21		-				-		-	
						8.2	0.3	264	27.6		7.7		25.7		71.5		4.9		25.1		22		-				-		-	
SR5A	Cloudy	Calm	13:55	3.6	Surface	1.0	0.4	293	28.0	28.0	7.6	7.6	21.1	21.1	75.6	75.7	5.3	5.3	15.2	16.3	9	10	-	-	816586	810713	-	-	-	-
						1.0	0.4	312	28.0		7.6		21.1		75.7		5.3		15.2		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.4	297	28.0	28.0	7.6	7.6	21.2	21.2	79.3	79.4	5.5	5.5	17.3		11		-				-		-	
						2.6	0.4	314	28.0		7.6		21.2		79.5		5.5		17.3		10		-				-		-	
SR6	Cloudy	Calm	14:32	4.0	Surface	1.0	0.1	272	28.0	28.0	7.5	7.5	20.0	20.0	73.6	73.6	5.2	5.2	11.2	11.6	9	12	-	-	817884	814661	-	-	-	-
						1.0	0.1	293	28.0		7.5		20.0		73.6		5.2		11.2		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	288	27.9	27.9	7.5	7.5	20.5	20.5	75.5	75.6	5.3	5.3	11.9		15		-				-		-	
						3.0	0.1	290	27.9		7.5		20.5		75.7		5.3		11.9		15		-				-		-	
SR7	Cloudy	Moderate	14:20	17.3	Surface	1.0	0.1	233	28.1	28.1	7.5	7.5	20.5	20.6	72.5	72.5	5.1	5.1	8.3	7.2	5	5	-	-	823655	823741	-	-	-	-
						1.0	0.1	239	28.1		7.5		20.6		72.5		5.1		8.3		4		-				-		-	
					Middle	8.7	0.3	189	28.1	28.1	7.5	7.5	21.1	21.1	72.5	72.5	5.0		7.5		5		-				-		-	
						8.7	0.3	189	28.1		7.5		21.1		72.5		5.0		7.4		4		-				-		-	
					Bottom	16.3	0.1	209	28.0	28.0	7.5	7.5	21.6	21.6	73.0	73.9	5.1	5.2	5.8		6		-				-		-	
						16.3	0.1	229	28.0		7.5		21.6		74.7		5.2		5.6		6		-				-		-	
SR8	Rainy	Moderate	13:13	4.1	Surface	1.0	-	-	28.6	28.6	7.5	7.5	17.6	17.6	73.0	73.0	5.1	5.1	15.5	17.3	8	7	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.6		7.5		17.6		72.9		5.1		15.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	28.4	28.4	7.5	7.5	17.9	17.9	72.9	73.0	5.1	5.1	19.1		7		-				-		-	
						3.1	-	-	28.4		7.5		17.9		73.0		5.1		19.1		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 07 September 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	07:07	8.8	Surface	1.0	0.6	229	28.0	28.0	7.7	7.7	22.9	22.3	75.0	74.8	5.2	5.0	8.8	23.2	4	10	81	86	815611	804266	<0.2	<0.2	1.9	1.4
						1.0	0.6	250	27.9		7.7		21.6		74.6		5.2		9.1		6		82				<0.2		1.7	
					Middle	4.4	0.8	202	27.4	27.4	7.8	7.8	27.9	28.0	71.0	71.1	4.8		13.2		9		86				<0.2		1.4	
						4.4	0.8	211	27.4		7.8		28.0		71.1		4.8		13.4		8		86				<0.2		1.5	
					Bottom	7.8	0.5	217	27.2	27.2	7.8	7.8	29.9	30.0	72.6	73.0	4.9	4.9	46.4		15		91				<0.2		1.0	
						7.8	0.5	223	27.2		7.8		30.0		73.3		4.9		48.4		16		92				<0.2		1.1	
C2	Cloudy	Moderate	08:00	12.5	Surface	1.0	0.8	172	28.2	28.2	7.5	7.5	19.8	19.8	68.0	68.0	4.8	4.8	16.7	15.8	5	7	86	89	825670	806932	<0.2	<0.2	2.7	2.2
						1.0	0.8	186	28.2		7.5		19.8		68.0		4.8		16.7		5		85				<0.2		3.0	
					Middle	6.3	0.6	170	28.0	28.0	7.5	7.5	20.9	20.9	68.3	68.3	4.8		17.5		6		88				<0.2		2.1	
						6.3	0.6	173	28.0		7.5		20.9		68.3		4.8		17.4		5		89				<0.2		2.1	
					Bottom	11.5	0.4	157	28.0	28.0	7.5	7.5	21.4	21.4	68.9	69.0	4.8	4.8	13.3		10		92				<0.2		1.6	
						11.5	0.4	172	28.0		7.5		21.4		69.0		4.8		13.1		9		92				<0.2		1.7	
C3	Fine	Moderate	05:59	11.8	Surface	1.0	0.5	111	28.0	28.0	7.7	7.7	23.2	23.2	71.7	71.7	4.9	4.9	12.8	12.9	4	5	89	92	822099	817802	<0.2	<0.2	1.9	1.7
						1.0	0.5	121	28.0		7.7		23.2		71.7		4.9		12.6		3		90				<0.2		2.2	
					Middle	5.9	0.2	107	27.9	27.9	7.7	7.7	23.9	23.9	71.5	71.6	4.9		12.9		6		91				<0.2		1.8	
						5.9	0.3	108	27.9		7.7		23.9		71.6		4.9		12.9		6		91				<0.2		1.8	
					Bottom	10.8	0.2	68	27.9	27.9	7.7	7.7	24.1	24.1	72.1	72.1	4.9	5.0	13.2		6		95				<0.2		1.4	
						10.8	0.2	68	27.9		7.7		24.1		72.1		5.0		13.2		7		96				<0.2		1.3	
IM1	Cloudy	Moderate	07:25	7.7	Surface	1.0	0.3	183	27.8	27.8	7.7	7.7	23.5	23.5	74.5	74.4	5.1	5.1	8.7	12.9	4	10	86	89	818361	806440	<0.2	<0.2	1.3	1.4
						1.0	0.4	188	27.8		7.7		23.5		74.2		5.1		8.8		6		86				<0.2		1.6	
					Middle	3.9	0.4	179	27.7	27.7	7.7	7.7	25.3	25.3	73.1	73.1	5.0		10.5		8		88				<0.2		1.4	
						3.9	0.4	182	27.7		7.7		25.3		73.0		5.0		11.3		8		89				<0.2		1.6	
					Bottom	6.7	0.2	173	27.3	27.3	7.8	7.8	28.8	28.8	72.4	73.7	4.9	5.0	19.5		16		91				<0.2		1.4	
						6.7	0.2	182	27.3		7.8		28.8		75.0		5.1		18.6		16		91				<0.2		1.3	
IM2	Cloudy	Moderate	07:32	9.3	Surface	1.0	0.4	205	27.9	27.9	7.7	7.7	22.8	22.9	74.9	74.9	5.2	5.0	9.0	15.1	11	10	86	89	818870	806200	<0.2	<0.2	1.4	1.3
						1.0	0.4	218	27.9		7.7		22.9		74.8		5.2		9.1		10		87				<0.2		1.4	
					Middle	4.7	0.4	205	27.4	27.4	7.7	7.7	27.3	27.3	70.8	70.8	4.8		17.6		11		88				<0.2		1.1	
						4.7	0.4	214	27.4		7.7		27.3		70.8		4.8		17.4		11		89				<0.2		1.2	
					Bottom	8.3	0.2	189	27.3	27.3	7.8	7.8	28.6	28.6	70.7	70.8	4.8	4.8	18.7		9		93				<0.2		1.5	
						8.3	0.2	207	27.3		7.8		28.6		70.9		4.8		18.8		9		93				<0.2		1.4	
IM3	Cloudy	Moderate	07:39	8.9	Surface	1.0	0.2	217	27.9	27.9	7.7	7.7	22.6	22.6	74.4	74.5	5.2	5.1	9.2	25.4	10	10	86	89	819425	806010	<0.2	<0.2	1.3	1.5
						1.0	0.2	237	27.9		7.7		22.5		74.5		5.2		9.4		8		86				<0.2		1.5	
					Middle	4.5	0.4	189	27.6	27.6	7.7	7.7	26.4	26.4	71.7	71.8	4.9		17.7		11		89				<0.2		1.4	
						4.5	0.5	204	27.6		7.7		26.3		71.8		4.9		17.7		10		89				<0.2		1.5	
					Bottom	7.9	0.2	219	27.4	27.4	7.7	7.7	27.9	27.9	72.6	72.9	4.9	5.0	49.4		9		92				<0.2		1.7	
						7.9	0.2	228	27.4		7.7		27.8		73.1		5.0		48.9		10		92				<0.2		1.6	
IM4	Cloudy	Moderate	07:53	8.4	Surface	1.0	0.3	187	28.2	28.2	7.7	7.7	23.9	23.8	77.2	77.2	5.3	5.1	8.5	18.8	10	10	84	89	819554	805038	<0.2	<0.2	2.0	2.0
						1.0	0.3	200	28.2		7.7		23.7		77.1		5.3		8.6		10		85				<0.2		1.9	
					Middle	4.2	0.5	170	27.5	27.5	7.8	7.8	27.4	27.4	72.0	72.1	4.9		15.0		9		89				<0.2		2.0	
						4.2	0.5	180	27.5		7.8		27.4		72.1		4.9		15.4		9		89				<0.2		2.1	
					Bottom	7.4	0.4	172	27.3	27.3	7.7	7.7	27.8	27.9	73.2	73.6	5.0	5.0	31.1		10		93				<0.2		1.9	
						7.4	0.5	175	27.3		7.7		28.0		73.9		5.0		34.1		9		94				<0.2		2.0	
IM5	Cloudy	Moderate	08:05	7.5	Surface	1.0	0.2	142	28.0	28.0	7.7	7.7	25.1	25.1	75.5	75.4	5.1	5.0	8.3	21.0	9	9	86	89	820576	804905	<0.2	<0.2	1.9	2.0
						1.0	0.2	150	28.0		7.7		25.0		75.3		5.1		8.4		8		86				<0.2		1.9	
					Middle	3.8	0.1	145	27.5	27.5	7.8	7.8	27.4	27.4	71.4	71.4	4.8		11.6		10		88				<0.2		2.1	
						3.8	0.2	154	27.5		7.8		27.4		71.3		4.8		11.8		10		89				<0.2		2.1	
					Bottom	6.5	0.1	144	27.3	27.3	7.8	7.8	28.7	28.7	72.1	72.6	4.9	4.9	44.1		9		91				<0.2		1.9	
						6.5	0.1	144	27.3		7.8		28.7		73.0		4.9		41.7		10		91				<0.2		1.9	
IM6	Cloudy	Moderate	08:14	7.5	Surface	1.0	0.2	146	28.1	28.1	7.7	7.7	23.8	23.8	73.2	73.2	5.0	4.9	13.4	17.7	14	18	85	88	821071	805813	<0.2	<0.2	1.9	1.8
						1.0	0.2	159	28.1		7.7		23.8		73.1		5.0		13.5		14		85				<0.2		2.1	
					Middle	3.8	0.3	168	27.5	27.5	7.7	7.7	26.3	26.3	71.0	71.0	4.8		17.5		20		87				<0.2		1.8	
						3.8	0.4	180	27.5		7.7		26.3		71.0		4.8		17.5		20		87				<0.2		1.8	
					Bottom	6.5	0.2	130	27.4	27.4	7.7	7.7	27.1	27.1	71.2	71.2	4.9	4.9	22.0		19		91				<0.2		1.6	
						6.5	0.2	130	27.4		7.7		27.1		71.2		4.9		22.0		20		92				<0.2		1.6	
IM7	Cloudy	Moderate	08:23	9.0	Surface	1.0	0.2	99	27.7	27.7	7.7	7.7	24.7	24.7	72.9	72.9	5.0	5.0	15.8	26.4	8	14	87	91	821349	806840	<0.2	<0.2	2.6	2.0
						1.0	0.3	104	27.7		7.7		24.7		72.9		5.0		16.1		8		88				<0.2		2.6	
					Middle	4.5	0.3	135	27.6	27.6	7.7	7.7	25.1	25.1	72.1	72.2	4.9		20.0		15		91				<0.2		2.0	
						4.5	0.3	141	27.6		7.7		25.1		72.2		4.9		20.4		15		91				<0.2		1.8	
					Bottom	8.0	0.2	61	27.5	27.5	7.7	7.7	26.4	26.4	70.7	70.8	4.8	4.8	42.7		19		94				<0.2		1.6	
						8.0	0.2	63	27.5		7.7		26.4		70.8		4.8		43.1		19		95				<0.2		1.6	
IM8	Cloudy	Moderate	07:33	8.6	Surface	1.0	0.3	142	28.2	28.2	7.6	7.6	20.7	20.7	71.5	71.5	5.0	5.1	14.7	15.7	5	8	85	88	821682	807851	<0.2	<0.2	2.9	2.7
						1.0	0.4	145	28.2		7.6		20.7		71.5		5.0		14.7		6		85				<0.2		2.8	
					Middle	4.3	0.3	94	28.1	28.1	7.7	7.7	22.5	22.5	73.4	73.5	5.1		15.9		8		88				<0.2		2.7	
						4.3	0.3	97	28.1		7.7		22.4		73.5		5.1		16.0		8		88				<0.2		2.5	
					Bottom	7.6	0.3	73	27.9	27.9	7.7	7.7	24.5	24.5	75.2	75.3	5.1	5.2	16.3		11		90				<0.2		2.4	
						7.6	0.3	75	27.9		7.7		24.5		75.3		5.2		16.3		12		91				<0.2		2.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 September 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	07:25	7.6	Surface	1.0	0.4	159	28.5	28.5	7.6	7.6	19.2	19.2	70.4	70.5	4.9	4.9	11.3	22.0	8	11	86	89	822085	808804	<0.2	<0.2	2.8	2.5
						1.0	0.4	174	28.5		7.6		19.2		70.5		4.9		11.3		7		86				<0.2		2.6	
					Middle	3.8	0.3	135	28.0	28.0	7.7	7.7	22.3	22.3	70.0	70.1	4.8		19.3		8		88				<0.2		2.7	
						3.8	0.3	143	28.0		7.7		22.3		70.1		4.8		19.4		7		89				<0.2		2.4	
					Bottom	6.6	0.3	64	27.8	27.8	7.7	7.7	24.6	24.6	72.9	73.0	5.0	5.0	35.4		16		91				<0.2		2.2	
						6.6	0.4	66	27.8		7.7		24.6		73.0		5.0		35.1		18		92				<0.2		2.2	
IM10	Cloudy	Moderate	07:17	6.6	Surface	1.0	0.8	118	28.1	28.1	7.6	7.6	21.2	21.2	70.5	70.5	4.9	4.9	14.4	22.1	6	16	87	89	822240	809845	<0.2	<0.2	2.2	2.0
						1.0	0.8	129	28.1		7.6		21.2		70.5		4.9		14.4		5		87				<0.2		2.4	
					Middle	3.3	0.5	104	28.0	28.0	7.6	7.6	21.8	21.8	70.1	70.1	4.9		21.1		5		88				<0.2		2.2	
						3.3	0.5	109	28.0		7.6		21.8		70.1		4.9		21.3		6		88				<0.2		2.1	
					Bottom	5.6	0.5	95	27.9	27.9	7.7	7.7	23.4	23.4	72.6	72.7	5.0	5.0	30.7		35		91				<0.2		1.6	
						5.6	0.5	101	27.9		7.7		23.4		72.7		5.0		30.5		37		91				<0.2		1.7	
IM11	Cloudy	Moderate	07:01	8.2	Surface	1.0	0.7	118	28.8	28.8	7.6	7.6	18.5	18.5	72.4	72.4	5.1	5.0	11.3	19.3	8	8	86	88	821518	810543	<0.2	<0.2	2.1	2.1
						1.0	0.7	123	28.8		7.6		18.5		72.3		5.0		11.3		7		87				<0.2		1.9	
					Middle	4.1	0.5	97	28.2	28.2	7.7	7.7	21.3	21.3	72.7	72.7	5.0		17.3		7		88				<0.2		2.2	
						4.1	0.5	104	28.2		7.7		21.3		72.7		5.0		17.4		7		88				<0.2		2.0	
					Bottom	7.2	0.4	76	28.1	28.1	7.7	7.7	24.2	24.2	79.5	79.5	5.4	5.4	30.2		9		90				<0.2		2.2	
						7.2	0.5	82	28.1		7.7		24.1		79.5		5.4		28.5		7		91				<0.2		2.0	
IM12	Cloudy	Moderate	06:55	7.4	Surface	1.0	0.8	115	28.3	28.3	7.6	7.6	20.2	20.2	71.6	71.6	5.0	5.1	14.0	19.0	7	7	88	90	821163	811535	<0.2	<0.2	2.1	2.2
						1.0	0.9	119	28.3		7.6		20.2		71.6		5.0		14.0		8		88				<0.2		2.3	
					Middle	3.7	0.7	96	28.3	28.3	7.7	7.7	20.7	20.7	72.7	72.7	5.1		18.4		7		90				<0.2		2.3	
						3.7	0.7	105	28.3		7.7		20.6		72.7		5.1		18.4		6		90				<0.2		2.7	
					Bottom	6.4	0.5	73	28.2	28.2	7.8	7.8	22.5	22.5	75.2	75.3	5.2	5.2	24.8		6		92				<0.2		2.0	
						6.4	0.5	75	28.2		7.8		22.5		75.4		5.2		24.3		7		92				<0.2		1.8	
SR2	Fine	Moderate	06:21	4.4	Surface	1.0	0.6	73	28.2	28.2	7.7	7.7	21.7	21.7	74.1	74.2	5.1	5.1	20.8	20.4	4	9	88	89	821481	814147	<0.2	<0.2	2.8	2.4
						1.0	0.6	75	28.2		7.7		21.6		74.2		5.1		20.9		4		88				<0.2		2.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.4	74	28.2	28.2	7.7	7.7	22.2	22.2	83.8	84.0	5.8	5.8	20.1		12		90				<0.2		2.1	
						3.4	0.4	80	28.2		7.7		22.2		84.2		5.8		19.8		15		91				<0.2		2.1	
SR3	Cloudy	Moderate	07:38	9.2	Surface	1.0	0.4	176	28.3	28.3	7.6	7.6	19.2	19.2	70.3	70.3	4.9	4.9	13.5	16.8	5	7	-	-	822143	807555	-	-	-	-
						1.0	0.4	188	28.3		7.6		19.2		70.3		4.9		13.7		6		-				-		-	
					Middle	4.6	0.2	140	28.0	28.0	7.6	7.6	21.8	21.9	71.2	71.3	4.9		17.9		4		-				-		-	
						4.6	0.2	148	28.0		7.6		21.9		71.3		4.9		18.0		4		-				-		-	
					Bottom	8.2	0.2	73	28.0	28.0	7.7	7.7	22.6	22.6	74.6	74.7	5.2	5.2	18.8		10		-				-		-	
						8.2	0.2	73	28.0		7.7		22.6		74.8		5.2		18.7		11		-				-		-	
SR4A	Cloudy	Calm	06:46	8.4	Surface	1.0	0.2	66	28.0	28.0	7.7	7.7	23.2	23.2	75.7	75.7	5.2	5.0	11.2	22.4	15	14	-	-	817197	807795	-	-	-	-
						1.0	0.2	70	28.0		7.7		23.2		75.7		5.2		11.2		14		-				-		-	
					Middle	4.2	0.2	69	27.4	27.4	7.7	7.7	27.3	27.3	69.0	69.0	4.7		25.3		13		-				-		-	
						4.2	0.3	70	27.4		7.7		27.3		68.9		4.7		25.1		13		-				-		-	
					Bottom	7.4	0.2	55	27.4	27.4	7.7	7.7	27.8	27.8	69.1	69.2	4.7	4.7	30.5		14		-				-		-	
						7.4	0.2	55	27.4		7.7		27.8		69.2		4.7		30.9		15		-				-		-	
SR5A	Cloudy	Calm	06:30	3.4	Surface	1.0	0.0	15	28.4	28.4	7.6	7.6	21.5	21.5	73.8	73.8	5.1	5.1	12.6	15.1	10	13	-	-	816612	810694	-	-	-	-
						1.0	0.0	15	28.4		7.6		21.5		73.7		5.1		12.8		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.0	14	28.1	28.1	7.6	7.6	22.0	22.0	72.2	72.3	5.0	5.0	17.5		16		-				-		-	
						2.4	0.0	14	28.1		7.6		22.0		72.4		5.0		17.6		16		-				-		-	
SR6	Cloudy	Calm	06:07	4.0	Surface	1.0	0.1	71	28.4	28.4	7.6	7.6	19.1	19.1	75.1	75.2	5.3	5.3	13.8	13.8	7	8	-	-	817902	814675	-	-	-	-
						1.0	0.1	71	28.4		7.6		19.1		75.2		5.3		13.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	74	28.1	28.1	7.6	7.6	21.0	21.0	77.9	77.9	5.4	5.4	13.7		8		-				-		-	
						3.0	0.1	77	28.1		7.6		21.0		77.9		5.4		13.7		10		-				-		-	
SR7	Fine	Moderate	05:31	15.4	Surface	1.0	0.9	66	28.4	28.4	7.6	7.6	20.8	20.8	75.8	75.8	5.2	5.2	9.9	9.7	6	6	-	-	823645	823757	-	-	-	-
						1.0	0.9	69	28.4		7.6		20.8		75.7		5.2		9.9		8		-				-		-	
					Middle	7.7	0.4	34	28.2	28.2	7.6	7.6	22.1	22.1	75.2	75.2	5.2		9.8		6		-				-		-	
						7.7	0.5	36	28.2		7.6		22.1		75.2		5.2		9.7		6		-				-		-	
					Bottom	14.4	0.4	8	28.2	28.2	7.6	7.6	22.4	22.4	77.4	77.5	5.3	5.3	9.3		6		-				-		-	
						14.4	0.4	8	28.2		7.6		22.4		77.6		5.3		9.3		6		-				-		-	
SR8	Fine	Moderate	06:45	4.3	Surface	1.0	0.0	0	28.6	28.6	7.6	7.6	21.0	21.0	75.8	75.9	5.2	5.2	15.7	16.1	7	7	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	28.6		7.6		21.0		75.9		5.2		15.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	0	28.5	28.5	7.7	7.7	21.7	21.7	82.6	82.8	5.7	5.7	16.4		8		-				-		-	
						3.3	0.0	0	28.5		7.7		21.6		83.0		5.7		16.3		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 September 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	14:18	9.1	Surface	1.0	0.4	235	28.3	28.3	7.6	7.6	19.7	19.8	76.4	76.1	5.3	5.0	8.5	13.0	6	6	89	91	815620	804230	<0.2	<0.2	2.2	1.9
						1.0	0.4	255	28.3		7.6		19.8		75.7		5.3		8.7		5		89				<0.2		2.0	
					Middle	4.6	0.8	201	27.7	27.7	7.7	7.7	27.2	27.2	69.5	69.6	4.7		14.1		5		91				<0.2		2.2	
						4.6	0.8	208	27.7		7.7		27.2		69.6		4.7		14.4		5		91				<0.2		2.1	
					Bottom	8.1	0.5	214	27.5	27.5	7.8	7.8	28.9	28.9	70.2	70.3	4.7	4.7	16.2		6		94				<0.2		1.6	
						8.1	0.6	219	27.5		7.7		28.9		70.3		4.7		16.2		6		94				<0.2		1.5	
C2	Rainy	Rough	13:07	11.8	Surface	1.0	0.5	158	29.0	29.0	7.4	7.4	17.5	17.5	66.5	66.5	4.7	4.6	4.9	3.3	5	6	88	91	825679	806953	<0.2	<0.2	3.7	3.6
						1.0	0.5	168	29.0		7.4		17.5		66.5		4.7		4.9		6		88				<0.2		3.9	
					Middle	5.9	0.5	168	28.3	28.3	7.5	7.5	20.7	20.7	65.1	65.1	4.5		3.9		6		91				<0.2		3.8	
						5.9	0.5	172	28.3		7.5		20.7		65.1		4.5		3.9		6		91				<0.2		3.2	
					Bottom	10.8	0.2	137	28.2	28.2	7.5	7.5	23.2	23.2	66.6	66.6	4.6	4.6	1.2		7		94				<0.2		3.4	
						10.8	0.2	140	28.2		7.5		23.2		66.6		4.6		1.2		8		93				<0.2		3.3	
C3	Rainy	Moderate	15:34	12.0	Surface	1.0	0.8	86	28.6	28.6	7.7	7.7	20.2	20.2	70.5	70.5	4.9	4.9	8.0	8.1	7	8	88	91	822104	817803	<0.2	<0.2	2.4	2.8
						1.0	0.8	94	28.6		7.7		20.2		70.5		4.9		8.0		9		89				<0.2		2.8	
					Middle	6.0	0.6	42	28.4	28.4	7.7	7.7	22.5	22.5	70.0	70.0	4.8		8.4		7		91				<0.2		2.9	
						6.0	0.6	42	28.4		7.7		22.5		70.0		4.8		8.4		9		91				<0.2		2.8	
					Bottom	11.0	0.3	82	28.4	28.4	7.7	7.7	22.5	22.5	74.3	74.3	5.1	5.1	7.8		7		93				<0.2		2.8	
						11.0	0.3	82	28.4		7.7		22.5		74.3		5.1		7.8		8		94				<0.2		2.8	
IM1	Cloudy	Moderate	14:00	7.8	Surface	1.0	0.2	177	28.3	28.3	7.7	7.7	20.8	20.8	73.7	73.4	5.1	5.0	9.5	13.0	7	7	86	91	818358	806446	<0.2	<0.2	2.2	2.0
						1.0	0.3	177	28.2		7.7		20.8		73.1		5.1		9.7		8		87				<0.2		2.0	
					Middle	3.9	0.3	185	28.0	28.0	7.7	7.7	24.0	24.0	72.2	72.2	4.9		10.7		7		92				<0.2		1.6	
						3.9	0.3	197	28.0		7.7		24.0		72.1		4.9		10.8		7		92				<0.2		1.7	
					Bottom	6.8	0.2	161	27.6	27.6	7.7	7.7	27.5	27.5	75.8	76.7	5.1	5.2	18.8		7		93				<0.2		2.2	
						6.8	0.2	167	27.6		7.7		27.4		77.5		5.2		18.3		7		94				<0.2		2.2	
IM2	Cloudy	Moderate	13:55	9.0	Surface	1.0	0.2	181	28.2	28.2	7.7	7.7	21.8	21.9	74.0	73.8	5.1	5.0	9.2	12.9	6	9	84	89	818868	806196	<0.2	<0.2	2.2	1.7
						1.0	0.2	194	28.1		7.7		21.9		73.6		5.1		9.4		5		84				<0.2		2.0	
					Middle	4.5	0.2	207	27.8	27.8	7.7	7.7	25.7	25.7	71.1	71.1	4.8		11.8		8		89				<0.2		1.8	
						4.5	0.2	226	27.8		7.7		25.6		71.1		4.8		11.9		7		89				<0.2		1.8	
					Bottom	8.0	0.2	182	27.6	27.6	7.7	7.7	27.4	27.4	73.8	73.9	5.0	5.0	17.5		12		94				<0.2		1.1	
						8.0	0.2	189	27.6		7.7		27.4		74.0		5.0		17.5		13		94				<0.2		1.2	
IM3	Cloudy	Moderate	13:48	8.8	Surface	1.0	0.1	253	28.1	28.1	7.7	7.7	22.3	22.3	73.5	73.5	5.1	5.1	9.0	15.8	8	12	86	90	819394	806032	<0.2	<0.2	1.9	1.6
						1.0	0.2	274	28.1		7.7		22.2		73.5		5.1		9.2		8		86				<0.2		2.0	
					Middle	4.4	0.2	196	28.0	28.0	7.7	7.7	23.7	23.7	72.6	72.7	5.0		13.7		7		91				<0.2		1.6	
						4.4	0.3	207	28.0		7.7		23.7		72.7		5.0		13.8		8		92				<0.2		1.5	
					Bottom	7.8	0.0	220	27.7	27.7	7.7	7.7	27.2	27.3	74.5	75.1	5.0	5.1	24.4		20		93				<0.2		1.4	
						7.8	0.0	230	27.7		7.7		27.3		75.6		5.1		24.7		22		94				<0.2		1.3	
IM4	Cloudy	Moderate	13:40	8.5	Surface	1.0	0.3	186	28.6	28.6	7.7	7.7	22.2	22.3	76.7	76.6	5.3	5.1	10.4	13.4	6	8	88	92	819570	805020	<0.2	<0.2	2.1	1.7
						1.0	0.3	194	28.6		7.7		22.3		76.4		5.2		10.7		6		89				<0.2		2.1	
					Middle	4.3	0.5	173	28.0	28.0	7.7	7.7	25.2	25.2	73.4	73.4	5.0		13.5		8		92				<0.2		1.8	
						4.3	0.5	188	28.0		7.7		25.2		73.4		5.0		13.6		9		92				<0.2		1.7	
					Bottom	7.5	0.4	166	27.9	27.9	7.7	7.7	25.6	25.7	76.3	77.0	5.2	5.3	15.9		9		94				<0.2		1.2	
						7.5	0.5	167	27.9		7.7		25.7		77.7		5.3		16.1		11		94				<0.2		1.4	
IM5	Rainy	Moderate	13:28	7.6	Surface	1.0	0.2	173	28.3	28.3	7.7	7.7	24.2	24.2	76.3	76.2	5.2	5.0	11.3	22.1	10	11	86	90	820565	804942	<0.2	<0.2	1.5	1.6
						1.0	0.2	179	28.3		7.7		24.2		76.1		5.2		11.5		10		87				<0.2		1.6	
					Middle	3.8	0.3	161	28.0	28.0	7.7	7.7	25.2	25.3	70.0	70.0	4.8		17.2		10		91				<0.2		1.4	
						3.8	0.3	165	28.0		7.7		25.3		70.0		4.8		17.3		12		91				<0.2		1.7	
					Bottom	6.6	0.2	171	27.7	27.7	7.7	7.7	27.1	27.1	69.0	69.1	4.7	4.7	37.5		14		93				<0.2		1.6	
						6.6	0.2	184	27.7		7.7		27.1		69.1		4.7		37.5		12		94				<0.2		1.7	
IM6	Rainy	Moderate	13:20	7.9	Surface	1.0	0.0	61	28.4	28.4	7.7	7.7	22.6	22.6	74.8	74.9	5.1	5.0	11.6	21.9	9	11	86	90	821044	805847	<0.2	<0.2	2.1	2.0
						1.0	0.0	65	28.4		7.7		22.5		74.9		5.1		11.6		9		87				<0.2		2.0	
					Middle	4.0	0.2	163	28.1	28.1	7.7	7.7	24.0	24.0	72.2	72.2	4.9		19.8		8		89				<0.2		2.1	
						4.0	0.2	170	28.1		7.7		24.0		72.1		4.9		19.8		9		89				<0.2		2.3	
					Bottom	6.9	0.2	141	27.9	27.9	7.7	7.7	25.4	25.4	72.0	72.2	4.9	4.9	34.3		16		94				<0.2		1.9	
						6.9	0.3	154	27.9		7.7		25.3		72.4		4.9		34.3		14		94				<0.2		1.7	
IM7	Rainy	Rough	13:09	9.1	Surface	1.0	0.2	67	28.3	28.3	7.6	7.6	21.2	21.2	75.7	75.6	5.2	5.1	12.2	17.4	8	11	83	89	821330	806831	<0.2	<0.2	2.3	2.1
						1.0	0.2	70	28.3		7.6		21.2		75.5		5.2		12.3		7		84				<0.2		2.3	
					Middle	4.6	0.3	114	28.1	28.1	7.7	7.7	23.1	23.1	72.5	72.5	5.0		15.1		13		89				<0.2		2.1	
						4.6	0.3	122	28.1		7.7		23.1		72.5		5.0		15.0		12		89				<0.2		2.1	
					Bottom	8.1	0.2	91	28.0	28.0	7.7	7.7	24.4	24.4	77.5	77.6	5.3	5.3	24.9		14		94				<0.2		2.0	
						8.1	0.2	99	28.0		7.7		24.3		77.7		5.3		24.7		12		94				<0.2		2.0	
IM8	Rainy	Rough	13:53	8.3	Surface	1.0	0.3	151	28.8	28.8	7.6	7.6	19.4	19.4	71.5	71.5	5.0	5.0	7.4	8.6	11	13	90	91	821692	807836	<0.2	<0.2	3.5	3.4
						1.0	0.3	151	28.8		7.6		19.4		71.5		5.0		7.4		10		89				<0.2		3.6	
					Middle	4.2	0.2	137	28.5	28.5	7.6	7.6	20.8	20.8	70.5	70.5	4.9		8.9		12		91				<0.2		3.1	
						4.2	0.3	138	28.5		7.6		20.8		70.5		4.9		8.9		14		91				<0.2		3.4	
					Bottom	7.3	0.2	36	28.3	28.3	7.6	7.6	23.4	23.4	72.6	72.6	5.0	5.0	9.4		16		94				<0.2		3.5	
						7.3	0.3	38	28.3		7.6		23.4		72.6		5.0		9.4		14		93				<0.2		3.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 September 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Rough	14:01	7.6	Surface	1.0	0.5	150	29.0	29.0	7.6	7.6	18.0	18.0	72.4	72.4	5.1	5.0	10.5	20.4	9	8	88	91	822111	808829	<0.2	<0.2	2.6	2.5
						1.0	0.5	157	29.0		7.6		18.0		72.4		5.1		10.5		9		88				<0.2		2.6	
					Middle	3.8	0.4	135	28.5	28.5	7.7	7.7	21.2	21.2	69.7	69.7	4.8		20.7		8		91				<0.2		2.4	
						3.8	0.4	145	28.5		7.7		21.2		69.7		4.8		20.7		7		92				<0.2		2.5	
					Bottom	6.6	0.3	86	28.4	28.4	7.7	7.7	22.6	22.6	73.3	73.3	5.0	5.0	30.1		8		93				<0.2		2.7	
						6.6	0.3	89	28.4		7.7		22.6		73.3		5.0		30.1		7		93				<0.2		2.4	
IM10	Rainy	Rough	14:08	6.8	Surface	1.0	0.6	119	28.8	28.8	7.6	7.6	18.9	18.9	70.3	70.3	4.9	4.9	9.9	14.0	4	8	87	89	822220	809839	<0.2	<0.2	3.2	3.4
						1.0	0.7	128	28.8		7.6		18.9		70.3		4.9		9.9		6		87				<0.2		3.0	
					Middle	3.4	0.6	111	28.6	28.6	7.6	7.6	20.4	20.4	70.0	70.0	4.8		13.3		8		88				<0.2		3.3	
						3.4	0.6	118	28.6		7.6		20.4		70.0		4.8		13.3		10		89				<0.2		3.7	
					Bottom	5.8	0.5	99	28.5	28.5	7.7	7.7	21.4	21.4	76.0	76.0	5.3	5.3	18.9		9		91				<0.2		3.6	
						5.8	0.5	101	28.5		7.7		21.4		76.0		5.3		18.9		9		92				<0.2		3.6	
IM11	Rainy	Rough	14:23	8.3	Surface	1.0	0.6	111	28.7	28.7	7.6	7.6	18.9	18.9	70.1	70.1	4.9	4.9	9.4	21.6	5	28	88	90	821488	810535	<0.2	<0.2	3.7	3.8
						1.0	0.7	119	28.7		7.6		18.9		70.1		4.9		9.4		5		88				<0.2		3.7	
					Middle	4.2	0.4	99	28.6	28.6	7.7	7.7	21.1	21.1	71.6	71.6	4.9		18.8		9		91				<0.2		3.8	
						4.2	0.5	108	28.6		7.7		21.1		71.6		4.9		18.8		10		91				<0.2		3.8	
					Bottom	7.3	0.4	75	28.5	28.5	7.7	7.7	21.4	21.4	72.0	72.0	5.0	5.0	36.7		71		92				<0.2		4.0	
						7.3	0.4	81	28.5		7.7		21.4		72.0		5.0		36.7		67		92				<0.2		3.9	
IM12	Rainy	Moderate	14:30	8.3	Surface	1.0	0.9	103	28.9	28.9	7.6	7.6	18.7	18.7	71.8	71.8	5.0	5.0	10.9	21.2	5	16	87	90	821167	811503	<0.2	<0.2	2.6	2.5
						1.0	0.9	109	28.9		7.6		18.7		71.8		5.0		10.9		7		88				<0.2		2.9	
					Middle	4.2	0.8	100	28.6	28.6	7.7	7.7	20.4	20.4	70.6	70.6	4.9		15.8		9		90				<0.2		2.7	
						4.2	0.8	105	28.6		7.7		20.4		70.6		4.9		15.8		8		90				<0.2		3.0	
					Bottom	7.3	0.4	87	28.6	28.6	7.8	7.8	21.6	21.6	71.5	71.5	4.9	4.9	37.0		34		91				<0.2		2.0	
						7.3	0.4	95	28.6		7.8		21.6		71.5		4.9		37.0		34		92				<0.2		1.9	
SR2	Rainy	Moderate	14:54	4.8	Surface	1.0	0.5	77	28.6	28.6	7.6	7.6	19.3	19.3	73.1	73.1	5.1	5.1	7.3	7.4	4	5	89	91	821465	814181	<0.2	<0.2	2.7	2.5
						1.0	0.5	82	28.6		7.6		19.3		73.1		5.1		7.3		4		89				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	64	28.5	28.5	7.7	7.7	22.0	22.0	73.1	73.1	5.0	5.0	7.5		6		92				<0.2		2.4	
						3.8	0.3	70	28.5		7.7		22.0		73.1		5.0		7.5		5		92				<0.2		2.2	
SR3	Rainy	Rough	13:46	9.1	Surface	1.0	0.3	155	28.8	28.8	7.5	7.5	18.1	18.1	69.5	69.5	4.9	4.9	5.8	6.5	6	9	-	-	822159	807583	-	-	-	-
						1.0	0.3	165	28.8		7.5		18.1		69.5		4.9		5.8		7		-				-		-	
					Middle	4.6	0.2	168	28.4	28.4	7.7	7.7	21.5	21.5	69.5	69.5	4.8		7.8		8		-				-		-	
						4.6	0.2	183	28.4		7.7		21.5		69.5		4.8		7.8		10		-				-		-	
					Bottom	8.1	0.2	167	28.3	28.3	7.6	7.6	23.0	23.0	72.5	72.5	5.0	5.0	5.8		11		-				-		-	
						8.1	0.2	176	28.3		7.6		23.0		72.5		5.0		5.8		11		-				-		-	
SR4A	Rainy	Moderate	14:40	8.7	Surface	1.0	0.4	76	28.4	28.4	7.6	7.6	21.1	21.1	76.8	76.7	5.3	5.5	12.8	18.3	14	15	-	-	817172	807812	-	-	-	-
						1.0	0.4	78	28.4		7.6		21.1		76.6		5.3		13.4		15		-				-		-	
					Middle	4.4	0.4	71	28.4	28.4	7.6	7.6	21.7	21.7	79.7	81.9	5.5		15.7		14		-				-		-	
						4.4	0.4	77	28.3		7.6		21.6		84.1		5.8		14.6		13		-				-		-	
					Bottom	7.7	0.3	70	27.7	27.7	7.7	7.7	26.7	26.7	72.3	72.8	4.9	5.0	26.6		18		-				-		-	
						7.7	0.3	73	27.7		7.7		26.7		73.3		5.0		26.6		16		-				-		-	
SR5A	Rainy	Moderate	15:01	4.2	Surface	1.0	0.1	4	28.4	28.4	7.6	7.6	21.0	21.0	76.7	76.7	5.3	5.3	10.6	14.3	10	11	-	-	816601	810696	-	-	-	-
						1.0	0.1	4	28.4		7.6		21.0		76.6		5.3		10.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	341	28.4	28.4	7.6	7.6	21.7	21.7	72.6	72.9	5.0	5.0	18.2		12		-				-		-	
						3.2	0.1	353	28.4		7.6		21.7		73.1		5.0		17.6		11		-				-		-	
SR6	Cloudy	Moderate	15:27	4.4	Surface	1.0	0.1	59	28.5	28.5	7.6	7.6	20.9	20.9	76.8	76.8	5.3	5.3	8.9	11.7	8	10	-	-	817893	814672	-	-	-	-
						1.0	0.1	61	28.5		7.6		20.9		76.7		5.3		9.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	63	28.3	28.3	7.6	7.6	21.6	21.6	77.5	78.2	5.4	5.5	14.3		12		-				-		-	
						3.4	0.1	65	28.3		7.6		21.6		78.9		5.5		14.4		13		-				-		-	
SR7	Cloudy	Moderate	16:03	15.1	Surface	1.0	0.8	55	28.5	28.5	7.7	7.7	21.5	21.5	75.4	75.4	5.2	5.0	6.3	5.4	7	8	-	-	823651	823737	-	-	-	-
						1.0	0.8	56	28.5		7.7		21.5		75.4		5.2		6.3		7		-				-		-	
					Middle	7.6	0.3	18	28.3	28.3	7.7	7.7	23.3	23.3	71.9	71.9	4.8		5.6		8		-				-		-	
						7.6	0.4	19	28.3		7.7		23.3		71.9		4.8		5.6		6		-				-		-	
					Bottom	14.1	0.3	34	28.2	28.2	7.6	7.6	23.7	23.7	69.7	69.7	4.8	4.8	4.2		8		-				-		-	
						14.1	0.3	34	28.2		7.6		23.7		69.7		4.8		4.2		10		-				-		-	
SR8	Rainy	Moderate	14:38	4.4	Surface	1.0	-	-	28.9	28.9	7.6	7.6	20.5	20.5	72.3	72.3	5.0	5.0	14.1	14.9	8	9	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.9		7.6		20.5		72.3		5.0		14.1		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	28.5	28.5	7.6	7.6	21.4	21.4	76.4	76.4	5.3	5.3	15.6		10		-				-		-	
						3.4	-	-	28.5		7.6		21.4		76.4		5.3		15.6		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 September 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	Calm	08:53	9.3	Surface	1.0	0.5	40	28.2	28.2	7.6	7.6	20.7	20.7	71.5	71.5	5.0	4.9	12.3	43.8	4	12	86	91	815636	804239	<0.2	<0.2	2.6	2.2
						1.0	0.6	43	28.2		7.6		20.7		71.5		5.0		12.4		2		87				<0.2		2.5	
					Middle	4.7	0.7	43	27.9	27.9	7.7	7.7	24.8	24.8	70.1	70.1	4.8		44.6		8		91				<0.2		2.3	
						4.7	0.8	45	27.9		7.7		24.8		70.1		4.8		44.4		8		91				<0.2		2.2	
					Bottom	8.3	0.6	40	27.8	27.9	7.7	7.7	25.9	25.9	70.0	70.1	4.8	4.8	78.2		23		94				<0.2		1.8	
						8.3	0.6	43	27.9		7.7		25.8		70.1		4.8		70.8		24		94				<0.2		1.7	
C2	Cloudy	Moderate	09:39	12.3	Surface	1.0	0.5	344	29.1	29.1	7.4	7.4	14.9	14.9	65.3	65.3	4.6	4.5	7.8	20.0	4	7	87	89	825678	806949	<0.2	<0.2	3.1	3.4
						1.0	0.5	351	29.1		7.4		14.9		65.3		4.6		7.8		3		87				<0.2		3.1	
					Middle	6.2	0.5	7	28.4	28.4	7.5	7.5	18.4	18.4	62.7	62.7	4.4		19.1		3		89				<0.2		3.7	
						6.2	0.5	7	28.4		7.5		18.4		62.7		4.4		19.1		4		90				<0.2		3.7	
					Bottom	11.3	0.6	348	28.3	28.3	7.5	7.5	20.9	20.9	62.7	62.7	4.3	4.3	33.0		14		91				<0.2		3.4	
						11.3	0.6	355	28.3		7.5		20.9		62.7		4.3		33.0		16		92				<0.2		3.6	
C3	Cloudy	Moderate	07:32	11.5	Surface	1.0	0.5	268	28.5	28.5	7.6	7.6	20.1	20.1	69.8	69.8	4.9	4.9	4.5	4.4	6	9	90	92	822115	817798	<0.2	<0.2	2.9	2.4
						1.0	0.6	275	28.5		7.6		20.1		69.8		4.9		4.5		7		89				<0.2		2.6	
					Middle	5.8	0.8	263	28.2	28.2	7.6	7.6	22.0	22.0	68.9	68.9	4.8		4.4		8		92				<0.2		2.4	
						5.8	0.9	270	28.2		7.6		22.0		68.9		4.8		4.4		9		92				<0.2		2.2	
					Bottom	10.5	0.6	271	28.0	28.0	7.6	7.6	24.6	24.6	69.3	69.3	4.7	4.7	4.3		11		94				<0.2		2.2	
						10.5	0.6	274	28.0		7.6		24.6		69.3		4.7		4.3		10		93				<0.2		2.3	
IM1	Cloudy	Moderate	09:11	7.7	Surface	1.0	0.8	11	28.2	28.2	7.6	7.6	21.1	21.1	70.2	70.2	4.9	4.9	9.1	21.1	8	15	86	89	818355	806454	<0.2	<0.2	2.0	2.0
						1.0	0.8	11	28.2		7.6		21.1		70.2		4.9		9.3		9		86				<0.2		2.0	
					Middle	3.9	0.8	10	28.2	28.2	7.6	7.6	21.5	21.5	69.6	69.6	4.8		12.2		8		88				<0.2		2.1	
						3.9	0.8	10	28.2		7.6		21.5		69.6		4.8		12.9		7		89				<0.2		2.1	
					Bottom	6.7	0.6	359	28.1	28.1	7.7	7.7	23.0	23.0	70.3	70.3	4.8	4.8	41.6		31		93				<0.2		1.8	
						6.7	0.6	330	28.1		7.7		23.0		70.3		4.8		41.3		29		94				<0.2		1.7	
IM2	Cloudy	Moderate	09:17	8.8	Surface	1.0	0.7	11	28.4	28.4	7.6	7.6	20.4	20.4	69.8	69.8	4.9	4.8	9.3	28.9	6	6	86	89	818841	806205	<0.2	<0.2	2.3	2.2
						1.0	0.7	12	28.4		7.6		20.4		69.7		4.8		9.4		6		86				<0.2		2.4	
					Middle	4.4	0.7	23	28.2	28.2	7.6	7.6	21.0	21.0	69.2	69.2	4.8		11.2		6		89				<0.2		2.2	
						4.4	0.7	23	28.2		7.6		21.0		69.2		4.8		11.3		7		89				<0.2		2.1	
					Bottom	7.8	0.4	20	28.1	28.1	7.7	7.7	23.4	23.4	70.1	70.2	4.8	4.8	66.4		7		91				<0.2		2.1	
						7.8	0.4	21	28.1		7.7		23.4		70.3		4.8		65.9		6		91				<0.2		2.2	
IM3	Cloudy	Moderate	09:25	9.0	Surface	1.0	0.6	20	28.4	28.4	7.6	7.6	19.7	19.7	68.8	68.8	4.8	4.8	9.8	31.8	6	8	87	91	819391	806011	<0.2	<0.2	2.3	2.4
						1.0	0.7	20	28.4		7.6		19.6		68.8		4.8		9.8		7		87				<0.2		2.5	
					Middle	4.5	0.7	26	28.2	28.2	7.6	7.6	20.5	20.5	68.8	68.8	4.8		11.2		7		91				<0.2		2.4	
						4.5	0.7	27	28.2		7.6		20.5		68.8		4.8		11.2		8		91				<0.2		2.5	
					Bottom	8.0	0.5	25	28.0	28.0	7.7	7.7	24.0	24.0	69.9	69.9	4.8	4.8	73.2		10		94				<0.2		2.2	
						8.0	0.5	25	28.0		7.7		24.0		69.9		4.8		75.7		9		94				<0.2		2.3	
IM4	Cloudy	Moderate	09:35	8.6	Surface	1.0	0.7	-	28.4	28.4	7.6	7.6	19.1	19.1	69.6	69.6	4.9	4.9	10.7	32.8	9	9	86	92	819581	805034	<0.2	<0.2	2.4	2.6
						1.0	0.7	-	28.4		7.6		19.1		69.5		4.9		10.8		8		86				<0.2		2.4	
					Middle	4.3	0.7	5	28.3	28.3	7.6	7.6	19.6	19.6	69.9	69.9	4.9		18.0		9		94				<0.2		2.6	
						4.3	0.7	5	28.3		7.6		19.6		69.9		4.9		18.6		9		94				<0.2		2.6	
					Bottom	7.6	0.6	-	28.0	28.1	7.6	7.6	23.2	23.2	70.3	70.3	4.8	4.8	69.3		11		95				<0.2		2.8	
						7.6	0.6	-	28.1		7.6		23.2		70.3		4.8		69.4		10		95				<0.2		2.6	
IM5	Cloudy	Moderate	09:44	7.5	Surface	1.0	0.9	9	28.4	28.4	7.6	7.6	19.0	19.1	69.3	69.3	4.9	4.9	9.9	38.8	5	13	84	90	820567	804929	<0.2	<0.2	2.5	2.5
						1.0	1.0	9	28.4		7.6		19.1		69.3		4.9		9.9		4		84				<0.2		2.8	
					Middle	3.8	0.7	19	28.3	28.3	7.6	7.6	19.9	19.9	69.7	69.7	4.9		17.6		7		91				<0.2		2.5	
						3.8	0.7	19	28.3		7.6		19.9		69.7		4.9		17.6		5		92				<0.2		2.5	
					Bottom	6.5	0.5	12	28.0	28.0	7.7	7.7	23.1	23.2	69.9	69.9	4.8	4.8	88.8		30		95				<0.2		2.2	
						6.5	0.5	12	28.0		7.7		23.2		69.9		4.8		89.0		29		95				<0.2		2.6	
IM6	Cloudy	Moderate	09:53	7.1	Surface	1.0	0.5	18	28.3	28.3	7.7	7.7	20.8	20.8	69.3	69.3	4.8	4.8	16.3	26.3	11	19	88	93	821040	805809	<0.2	<0.2	2.3	2.3
						1.0	0.6	18	28.2		7.7		20.8		69.3		4.8		16.7		11		89				<0.2		2.3	
					Middle	3.6	0.6	28	28.2	28.2	7.7	7.7	21.5	21.6	69.4	69.5	4.8		25.5		14		94				<0.2		3.0	
						3.6	0.6	30	28.2		7.7		21.6		69.5		4.8		25.1		13		94				<0.2		2.3	
					Bottom	6.1	0.4	40	28.1	28.1	7.7	7.7	22.2	22.2	74.5	74.6	5.1	5.2	37.2		34		96				<0.2		1.9	
						6.1	0.5	40	28.1		7.7		22.2		74.7		5.2		37.1		33		96				<0.2		1.9	
IM7	Cloudy	Moderate	09:55	8.8	Surface	1.0	0.9	32	28.3	28.3	7.7	7.7	20.8	20.8	69.0	69.1	4.8	4.8	16.9	29.2	9	16	90	92	821346	806839	<0.2	<0.2	2.4	2.2
						1.0	1.0	34	28.3		7.7		20.8		69.1		4.8		16.7		10		89				<0.2		2.3	
					Middle	4.4	0.7	28	28.2	28.2	7.8	7.8	21.2	21.2	68.7	68.7	4.8		23.1		16		91				<0.2		2.2	
						4.4	0.8	30	28.2		7.8		21.1		68.7		4.8		23.2		16		92				<0.2		2.3	
					Bottom	7.8	0.5	43	28.1	28.1	7.7	7.7	22.3	22.3	68.6	68.6	4.7	4.7	47.8		22		96				<0.2		2.0	
						7.8	0.5	46	28.1		7.7		22.3		68.5		4.7		47.7		23		96				<0.2		2.0	
IM8	Cloudy	Moderate	09:12	8.4	Surface	1.0	0.4	27	28.6	28.6	7.5	7.5	16.7	16.7	66.3	66.3	4.7	4.7	15.8	24.4	13	23	88	89	821679	807856	<0.2	<0.2	3.8	3.7
						1.0	0.4	29	28.6		7.5		16.7		66.3		4.7		15.8		14		88				<0.2		3.7	
					Middle	4.2	0.4	24	28.6	28.6	7.5	7.5	17.0	17.0	66.1	66.1	4.7		24.8		13		89				<0.2		4.0	
						4.2	0.4	25	28.6		7.5		17.0		66.1		4.7		24.8		13		88				<0.2		3.9	
					Bottom	7.4	0.4	10	28.6	28.6	7.5	7.5	17.3	17.3	69.7	69.7	4.9	4.9	32.5		43		91				<0.2		3.5	
						7.4	0.4	10	28.6		7.5		17.3		69.7		4.9		32.5		41		91				<0.2		3.3	

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 09 September 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	09:04	7.5	Surface	1.0	0.3	347	28.6	28.6	7.6	7.6	17.4	17.4	65.1	65.1	4.6	4.6	10.4	11.0	11	11	88	90	822112	808797	<0.2	<0.2	3.1	3.3
						1.0	0.3	355	28.6		7.6		17.4		65.1		4.6		10.4		10		88				<0.2		3.4	
					Middle	3.8	0.3	345	28.6	28.6	7.6	7.6	17.5	17.5	64.9	64.9	4.6		11.2		12		89				<0.2		3.1	
						3.8	0.3	317	28.6		7.6		17.5		64.9		4.6		11.2		11		90				<0.2		3.4	
					Bottom	6.5	0.3	335	28.5	28.5	7.6	7.6	17.6	17.6	65.8	65.8	4.6	4.6	11.3		12		91				<0.2		3.4	
						6.5	0.3	338	28.5		7.6		17.6		65.8		4.6		11.3		12		91				<0.2		3.2	
IM10	Cloudy	Moderate	08:51	7.5	Surface	1.0	0.8	311	28.6	28.6	7.5	7.5	18.1	18.1	67.6	67.6	4.7	4.7	6.8	20.0	8	10	89	91	822251	809848	<0.2	<0.2	3.2	3.1
						1.0	0.8	340	28.6		7.5		18.1		67.6		4.7		6.8		7		89				<0.2		3.4	
					Middle	3.8	0.7	300	28.6	28.6	7.5	7.5	18.7	18.7	67.3	67.3	4.7		11.1		6		90				<0.2		3.4	
						3.8	0.8	321	28.6		7.5		18.7		67.3		4.7		11.1		8		91				<0.2		2.9	
					Bottom	6.5	0.5	302	28.4	28.4	7.6	7.6	20.7	20.7	68.9	68.9	4.8	4.8	42.2		15		93				<0.2		2.6	
						6.5	0.5	327	28.4		7.6		20.7		68.9		4.8		42.2		15		92				<0.2		2.8	
IM11	Cloudy	Moderate	08:33	8.1	Surface	1.0	0.7	290	28.6	28.6	7.5	7.5	18.3	18.3	68.0	68.0	4.8	4.8	8.9	21.8	7	25	90	92	821490	810552	<0.2	<0.2	2.5	2.3
						1.0	0.7	299	28.6		7.5		18.3		68.0		4.8		8.9		6		89				<0.2		2.6	
					Middle	4.1	0.6	285	28.4	28.4	7.6	7.6	21.2	21.2	68.4	68.4	4.7		22.2		9		92				<0.2		2.6	
						4.1	0.7	295	28.4		7.6		21.2		68.4		4.7		22.2		8		92				<0.2		2.5	
					Bottom	7.1	0.5	284	28.3	28.3	7.6	7.6	21.4	21.4	71.9	72.0	5.0	5.0	34.4		57		94				<0.2		1.8	
						7.1	0.5	290	28.3		7.6		21.4		72.1		5.0		34.4		60		93				<0.2		1.9	
IM12	Cloudy	Moderate	08:25	8.8	Surface	1.0	0.7	270	28.6	28.6	7.5	7.5	18.5	18.5	67.9	67.9	4.8	4.8	7.9	22.4	7	6	89	91	821147	811530	<0.2	<0.2	2.4	2.6
						1.0	0.8	292	28.6		7.5		18.5		67.9		4.8		7.9		6		90				<0.2		2.6	
					Middle	4.4	0.8	271	28.3	28.3	7.6	7.6	21.2	21.2	68.3	68.3	4.7		21.9		6		91				<0.2		2.7	
						4.4	0.8	296	28.3		7.6		21.2		68.3		4.7		21.9		5		92				<0.2		2.7	
					Bottom	7.8	0.5	274	28.3	28.3	7.6	7.6	21.9	21.9	69.4	69.4	4.8	4.8	37.4		6		93				<0.2		2.5	
						7.8	0.5	285	28.3		7.6		21.9		69.4		4.8		37.4		6		93				<0.2		2.8	
SR2	Cloudy	Moderate	07:53	4.3	Surface	1.0	0.2	355	28.4	28.4	7.6	7.6	20.5	20.5	68.5	68.5	4.8	4.8	7.6	6.9	8	13	90	92	821474	814160	<0.2	<0.2	3.0	2.9
						1.0	0.2	327	28.4		7.6		20.5		68.5		4.8		7.6		9		89				<0.2		3.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.6	147	28.3	28.3	7.6	7.6	21.7	21.7	70.1	70.1	4.8	4.8	6.1		18		94				<0.2		2.6	
						3.3	0.6	154	28.3		7.6		21.7		70.1		4.8		6.1		18		93				<0.2		2.8	
SR3	Cloudy	Moderate	09:18	9.1	Surface	1.0	0.4	6	28.7	28.7	7.4	7.4	15.6	15.6	65.7	65.7	4.7	4.7	8.9	10.4	6	9	-	-	822142	807565	-	-	-	-
						1.0	0.4	6	28.7		7.4		15.6		65.7		4.7		8.9		8		-				-		-	
					Middle	4.6	0.6	17	28.6	28.6	7.5	7.5	16.5	16.5	64.4	64.4	4.6		11.0		7		-				-		-	
						4.6	0.6	17	28.6		7.5		16.5		64.4		4.6		11.0		9		-				-		-	
					Bottom	8.1	0.2	21	28.5	28.5	7.5	7.5	18.5	18.5	66.0	66.0	4.6	4.6	11.4		12		-				-		-	
						8.1	0.2	21	28.5		7.5		18.5		66.0		4.6		11.4		13		-				-		-	
SR4A	Fine	Calm	08:29	8.8	Surface	1.0	0.5	248	28.3	28.3	7.6	7.6	21.7	21.7	72.5	72.5	5.0	5.0	16.4	22.1	19	20	-	-	817171	807811	-	-	-	-
						1.0	0.5	266	28.3		7.6		21.7		72.4		5.0		16.7		19		-				-		-	
					Middle	4.4	0.4	248	28.3	28.3	7.6	7.6	21.8	21.8	71.6	71.6	5.0		22.2		18		-				-		-	
						4.4	0.4	256	28.3		7.6		21.8		71.6		4.9		22.4		18		-				-		-	
					Bottom	7.8	0.2	262	28.2	28.2	7.6	7.6	22.2	22.2	71.7	71.8	5.0	5.0	27.9		21		-				-		-	
						7.8	0.2	269	28.2		7.6		22.1		71.9		5.0		27.2		22		-				-		-	
SR5A	Fine	Calm	08:14	4.6	Surface	1.0	0.4	304	28.2	28.2	7.5	7.5	21.4	21.4	71.0	71.1	4.9	4.9	17.0	18.5	11	11	-	-	816604	810696	-	-	-	-
						1.0	0.4	318	28.2		7.5		21.4		71.1		4.9		17.6		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	313	28.2	28.2	7.5	7.5	21.4	21.4	72.2	72.4	5.0	5.0	19.7		11		-				-		-	
						3.6	0.3	330	28.2		7.5		21.4		72.5		5.0		19.7		12		-				-		-	
SR6	Fine	Calm	07:52	3.7	Surface	1.0	0.2	259	28.2	28.2	7.5	7.5	20.5	20.5	70.3	70.3	4.9	4.9	13.3	16.9	12	13	-	-	817893	814644	-	-	-	-
						1.0	0.3	278	28.2		7.5		20.5		70.2		4.9		13.5		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.2	258	28.1	28.1	7.5	7.5	21.1	21.1	68.6	68.8	4.8	4.8	20.5		14		-				-		-	
						2.7	0.2	264	28.1		7.5		21.1		69.0		4.8		20.2		13		-				-		-	
SR7	Cloudy	Moderate	07:03	15.0	Surface	1.0	0.1	257	28.4	28.4	7.5	7.5	20.8	20.8	76.6	76.6	5.3	5.0	3.6	2.4	6	7	-	-	823640	823760	-	-	-	-
						1.0	0.1	272	28.4		7.5		20.8		76.6		5.3		3.6		8		-				-		-	
					Middle	7.5	0.1	261	28.3	28.3	7.5	7.5	22.3	22.3	68.1	68.1	4.7		2.1		6		-				-		-	
						7.5	0.1	272	28.3		7.5		22.3		68.1		4.7		2.1		6		-				-		-	
					Bottom	14.0	0.1	161	28.0	28.0	7.5	7.5	24.2	24.2	69.0	69.0	4.7	4.7	1.5		7		-				-		-	
						14.0	0.1	169	28.0		7.5		24.2		69.0		4.7		1.5		8		-				-		-	
SR8	Cloudy	Moderate	08:16	4.3	Surface	1.0	0.0	0	28.7	28.7	7.5	7.5	17.6	17.6	68.9	68.9	4.8	4.8	13.4	14.2	10	10	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	28.7		7.5		17.6		68.9		4.8		13.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	0	28.5	28.5	7.5	7.5	18.5	18.5	71.3	71.3	5.0	5.0	15.0		10		-				-		-	
						3.3	0.0	0	28.5		7.5		18.5		71.3		5.0		15.0		12		-				-		-	

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	17:00	8.8	Surface	1.0	0.3	256	29.4	29.4	7.9	7.9	19.9	19.9	82.6	82.6	5.7	5.7	2.9	4.6	4	8	87	92	815628	804235	<0.2	<0.2	2.1	1.5
						1.0	0.3	281	29.4		7.9		19.9		82.6		5.7		2.9		5		88				<0.2		2.0	
					Middle	4.4	0.5	218	28.9	28.9	7.9	7.9	22.4	22.4	81.9	81.9	5.6		4.6		7		93				<0.2		1.5	
						4.4	0.5	239	28.9		7.9		22.4		81.9		5.6		4.6		7		93				<0.2		1.6	
					Bottom	7.8	0.4	226	28.2	28.2	7.9	7.9	28.5	28.5	74.6	74.8	5.0	5.0	6.2		12		95				<0.2		0.8	
						7.8	0.4	228	28.2		7.9		28.5		75.0		5.0		6.2		11		94				<0.2		0.8	
C2	Cloudy	Moderate	15:34	12.3	Surface	1.0	0.2	108	31.5	31.5	7.6	7.6	13.3	13.4	81.5	81.7	5.6	5.5	3.8	8.3	5	11	84	86	825675	806957	<0.2	<0.2	3.2	2.4
						1.0	0.2	108	31.5		7.6		13.4		81.9		5.6		3.7		4		84				<0.2		3.2	
					Middle	6.2	0.0	237	29.8	29.8	7.6	7.6	17.4	17.4	78.1	78.2	5.4		9.1		12		86				<0.2		2.4	
						6.2	0.0	257	29.8		7.6		17.4		78.2		5.4		9.0		12		86				<0.2		2.6	
					Bottom	11.3	0.4	183	28.9	28.9	7.7	7.7	25.2	25.2	73.6	73.7	4.9	5.0	11.9		16		87				<0.2		1.6	
						11.3	0.4	196	28.9		7.7		25.1		73.7		5.0		12.1		16		88				<0.2		1.4	
C3	Cloudy	Moderate	18:00	11.7	Surface	1.0	0.2	136	29.3	29.3	7.8	7.8	19.5	19.5	82.9	82.9	5.7	5.6	2.3	7.9	3	3	89	90	822096	817813	<0.2	<0.2	2.5	2.0
						1.0	0.2	137	29.3		7.8		19.5		82.9		5.7		2.3		2		90				<0.2		2.2	
					Middle	5.9	0.1	329	29.1	29.1	7.8	7.8	20.7	20.7	80.0	80.1	5.5		2.4		2		90				<0.2		2.0	
						5.9	0.2	353	29.1		7.8		20.7		80.1		5.5		2.4		3		91				<0.2		1.9	
					Bottom	10.7	0.1	20	29.1	29.1	7.8	7.8	21.1	21.1	82.4	82.4	5.6	5.6	18.7		2		89				<0.2		1.8	
						10.7	0.1	20	29.1		7.8		21.1		82.3		5.6		19.1		3		89				<0.2		1.8	
IM1	Cloudy	Moderate	16:43	7.5	Surface	1.0	0.4	184	29.9	29.9	7.9	7.9	16.5	16.5	86.9	86.9	6.0	5.9	4.5	6.6	5	6	86	89	818351	806462	<0.2	<0.2	1.7	2.0
						1.0	0.4	186	29.9		7.9		16.5		86.9		6.0		4.5		4		87				<0.2		2.0	
					Middle	3.8	0.3	179	29.4	29.4	7.9	7.9	19.1	19.1	84.5	84.4	5.8		9.3		6		90				<0.2		2.0	
						3.8	0.3	180	29.4		7.9		19.1		84.3		5.8		9.2		6		89				<0.2		2.1	
					Bottom	6.5	0.2	181	29.1	29.1	7.9	7.9	20.8	20.8	81.4	81.4	5.6	5.6	5.9		8		92				<0.2		2.3	
						6.5	0.2	186	29.1		7.9		20.8		81.4		5.6		5.9		8		92				<0.2		2.0	
IM2	Cloudy	Moderate	16:37	8.3	Surface	1.0	0.4	213	30.5	30.5	7.9	7.9	16.5	16.5	88.5	88.5	6.1	6.1	3.5	5.0	3	4	86	89	818854	806208	<0.2	<0.2	2.3	2.2
						1.0	0.4	227	30.5		7.9		16.5		88.4		6.1		3.5		2		87				<0.2		2.3	
					Middle	4.2	0.1	237	30.4	30.4	7.9	7.9	16.5	16.5	88.0	88.0	6.0		4.8		3		88				<0.2		2.3	
						4.2	0.1	245	30.4		7.9		16.5		87.9		6.0		4.8		2		87				<0.2		2.2	
					Bottom	7.3	0.0	354	29.1	29.1	7.8	7.8	20.9	20.9	80.2	80.4	5.5	5.5	6.5		8		92				<0.2		2.2	
						7.3	0.0	326	29.1		7.8		20.9		80.5		5.5		6.7		8		92				<0.2		1.8	
IM3	Cloudy	Moderate	16:30	8.8	Surface	1.0	0.2	197	30.1	30.1	7.9	7.9	15.9	15.9	86.1	86.1	6.0	5.9	3.2	4.3	4	4	86	88	819401	806007	<0.2	<0.2	2.4	2.0
						1.0	0.2	201	30.1		7.9		15.9		86.1		6.0		3.2		5		85				<0.2		2.3	
					Middle	4.4	0.2	226	29.5	29.5	7.9	7.9	18.6	18.6	83.4	83.4	5.8		3.5		4		89				<0.2		2.0	
						4.4	0.2	234	29.5		7.9		18.6		83.3		5.7		3.5		4		88				<0.2		2.0	
					Bottom	7.8	0.1	141	29.1	29.1	7.9	7.9	20.7	20.7	80.2	80.5	5.5	5.5	6.2		4		91				<0.2		1.6	
						7.8	0.1	142	29.1		7.9		20.7		80.7		5.5		6.2		5		91				<0.2		1.7	
IM4	Cloudy	Moderate	16:21	8.1	Surface	1.0	0.3	224	29.9	29.9	7.9	7.9	16.9	16.9	84.6	84.5	5.8	5.8	2.6	4.2	5	6	86	88	819583	805034	<0.2	<0.2	2.3	2.2
						1.0	0.3	244	29.9		7.9		16.9		84.4		5.8		2.6		6		86				<0.2		2.1	
					Middle	4.1	0.2	186	29.7	29.7	7.9	7.9	17.4	17.4	83.1	83.1	5.7		4.2		7		88				<0.2		2.4	
						4.1	0.2	187	29.7		7.9		17.4		83.1		5.7		4.2		6		89				<0.2		2.3	
					Bottom	7.1	0.3	156	29.4	29.4	7.9	7.9	18.9	18.9	82.1	82.2	5.7	5.7	5.8		6		91				<0.2		1.9	
						7.1	0.3	164	29.4		7.9		18.9		82.2		5.7		5.8		7		90				<0.2		2.2	
IM5	Rainy	Moderate	16:17	8.2	Surface	1.0	0.2	238	28.9	28.9	7.8	7.8	21.7	21.7	77.9	77.9	5.3	5.5	25.8	11.5	6	11	86	89	820560	804921	<0.2	<0.2	2.2	2.2
						1.0	0.3	240	28.9		7.8		21.7		77.8		5.3		25.8		6		86				<0.2		2.2	
					Middle	4.1	0.2	176	29.6	29.6	7.7	7.7	17.5	17.5	81.8	81.9	5.7		5.0		5		89				<0.2		2.1	
						4.1	0.2	177	29.6		7.7		17.5		81.9		5.7		5.0		5		89				<0.2		2.4	
					Bottom	7.2	0.1	120	30.3	30.3	7.7	7.7	15.1	15.1	86.1	86.2	6.0	6.0	3.6		21		91				<0.2		2.3	
						7.2	0.1	127	30.3		7.7		15.1		86.3		6.0		3.6		20		91				<0.2		2.2	
IM6	Rainy	Moderate	16:09	6.3	Surface	1.0	0.2	178	29.1	29.1	7.8	7.8	21.6	21.6	79.6	79.6	5.4	5.5	12.2	8.6	4	10	86	88	821075	805813	<0.2	<0.2	2.4	2.3
						1.0	0.2	186	29.0		7.8		21.6		79.6		5.4		12.0		4		86				<0.2		2.1	
					Middle	3.2	0.2	134	29.5	29.5	7.8	7.8	19.3	19.3	81.7	81.8	5.6		10.8		13		88				<0.2		2.3	
						3.2	0.2	145	29.5		7.8		19.3		81.9		5.6		11.1		12		88				<0.2		2.2	
					Bottom	5.3	0.1	137	30.9	30.9	7.7	7.8	14.6	14.6	90.1	90.1	6.2	6.2	2.7		13		91				<0.2		2.5	
						5.3	0.1	137	30.9		7.8		14.6		90.1		6.2		2.7		13		91				<0.2		2.2	
IM7	Rainy	Moderate	16:00	6.9	Surface	1.0	0.2	186	28.9	28.9	7.8	7.8	23.3	23.3	77.1	77.3	5.2	5.6	14.4	10.3	5	14	84	88	821353	806847	<0.2	<0.2	2.3	2.3
						1.0	0.3	187	28.9		7.8		23.3		77.4		5.2		14.5		5		84				<0.2		2.2	
					Middle	3.5	0.1	165	30.3	30.3	7.7	7.7	16.3	16.3	87.5	87.6	6.0		13.0		8		89				<0.2		2.4	
						3.5	0.1	167	30.3		7.7		16.3		87.7		6.0		12.6		6		89				<0.2		2.2	
					Bottom	5.9	0.1	82	30.5	30.6	7.8	7.8	17.3	17.3	87.1	87.3	5.9	6.0	3.7		29		91				<0.2		2.1	
						5.9	0.1	89	30.6		7.8		17.3		87.4		6.0		3.7		28		92				<0.2		2.5	
IM8	Cloudy	Moderate	16:31	8.3	Surface	1.0	0.3	161	29.7	29.7	7.6	7.6	16.2	16.2	79.3	79.4	5.5	5.4	3.1	5.7	5	7	79	85	821691	807852	<0.2	<0.2	2.8	2.6
						1.0	0.3	164	29.7		7.6		16.2		79.4		5.5		3.1		4		79				<0.2		2.8	
					Middle	4.2	0.2	141	29.5	29.5	7.6	7.6	16.2	16.2	76.2	76.3	5.3		3.1		4		84				<0.2		2.8	
						4.2	0.2	145	29.5		7.6		16.2		76.3		5.3		3.2		5		84				<0.2		2.7	
					Bottom	7.3	0.2	38	28.9	28.9	7.7	7.7	20.0	20.0	75.4	75.4	5.2	5.2	10.7		12		91				<0.2		2.2	
						7.3	0.2	38	28.9		7.7		20.0		75.4		5.2		10.9		13		91				<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 12 September 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	16:39	7.2	Surface	1.0	0.3	146	30.6	30.6	7.7	7.7	13.7	13.7	85.3	85.4	5.9	5.8	3.1	4.9	4	5	86	89	822110	808798	<0.2	<0.2	2.5	2.8
						1.0	0.3	154	30.6		7.7		13.7		85.5		5.9		3.2		4		87				<0.2		2.4	
					Middle	3.6	0.3	131	30.0	30.0	7.6	7.6	14.8	14.8	81.7	81.8	5.7		7.1		3		89				<0.2		3.0	
						3.6	0.3	134	30.0		7.6		14.8		81.8		5.7		7.1		4		89				<0.2		2.8	
					Bottom	6.2	0.2	83	29.3	29.3	7.6	7.6	17.9	17.9	76.6	76.7	5.3	5.3	4.4		7		91				<0.2		2.7	
						6.2	0.2	84	29.3		7.6		17.9		76.8		5.3		4.5		8		91				<0.2		3.2	
IM10	Cloudy	Moderate	16:47	6.7	Surface	1.0	0.5	122	30.4	30.4	7.7	7.7	14.6	14.6	86.5	86.5	6.0	5.7	3.1	5.3	4	7	81	87	822226	809832	<0.2	<0.2	3.2	2.6
						1.0	0.6	124	30.4		7.7		14.6		86.5		6.0		3.0		3		81				<0.2		2.8	
					Middle	3.4	0.5	111	29.5	29.5	7.6	7.6	16.9	16.9	77.0	77.2	5.4		2.9		3		88				<0.2		2.8	
						3.4	0.5	118	29.5		7.6		16.9		77.3		5.4		2.8		4		88				<0.2		2.6	
					Bottom	5.7	0.3	80	29.1	29.1	7.7	7.7	19.0	19.0	75.8	75.8	5.2	5.2	10.2		13		90				<0.2		2.1	
						5.7	0.3	86	29.1		7.7		19.0		75.7		5.2		9.8		14		91				<0.2		2.2	
IM11	Cloudy	Moderate	17:02	8.0	Surface	1.0	0.6	115	30.3	30.3	7.7	7.7	14.8	14.8	85.9	86.0	6.0	5.9	3.4	8.9	4	8	80	87	821488	810562	<0.2	<0.2	2.9	2.5
						1.0	0.6	119	30.3		7.7		14.8		86.1		6.0		3.5		5		81				<0.2		2.8	
					Middle	4.0	0.4	89	29.8	29.8	7.7	7.7	15.6	15.6	81.6	81.7	5.7		3.7		5		89				<0.2		2.5	
						4.0	0.4	92	29.8		7.7		15.6		81.7		5.7		3.8		7		89				<0.2		2.5	
					Bottom	7.0	0.2	86	29.5	29.5	7.8	7.8	17.7	17.7	79.9	79.9	5.5	5.5	19.4		13		91				<0.2		2.1	
						7.0	0.2	88	29.5		7.8		17.7		79.9		5.5		19.7		15		91				<0.2		2.3	
IM12	Cloudy	Moderate	17:09	8.7	Surface	1.0	0.5	107	30.1	30.1	7.7	7.7	14.7	14.7	85.8	85.9	6.0	6.0	3.2	5.1	5	8	84	87	821153	811535	<0.2	<0.2	3.2	2.6
						1.0	0.5	107	30.1		7.7		14.7		85.9		6.0		3.2		6		84				<0.2		2.7	
					Middle	4.4	0.4	100	30.0	30.0	7.7	7.7	14.8	14.8	84.1	84.2	5.9		3.3		7		84				<0.2		2.6	
						4.4	0.4	107	30.0		7.7		14.8		84.2		5.9		3.3		8		84				<0.2		2.5	
					Bottom	7.7	0.2	115	29.6	29.6	7.8	7.8	17.7	17.7	81.0	81.0	5.6	5.6	9.0		10		93				<0.2		2.2	
						7.7	0.2	118	29.6		7.8		17.7		81.0		5.6		8.7		11		94				<0.2		2.3	
SR2	Cloudy	Moderate	17:40	4.3	Surface	1.0	0.4	82	29.7	29.7	7.7	7.7	15.8	15.8	85.9	86.0	6.0	6.0	2.9	4.0	6	7	86	87	821465	814163	<0.2	<0.2	2.4	2.6
						1.0	0.4	84	29.7		7.7		15.8		86.1		6.0		2.9		6		86				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.3	63	29.6	29.6	7.7	7.7	16.4	16.4	80.7	80.8	5.6	5.6	5.2		8		88				<0.2		2.8	
						3.3	0.3	69	29.6		7.7		16.4		80.8		5.6		5.1		9		89				<0.2		2.7	
SR3	Rainy	Moderate	16:25	8.2	Surface	1.0	0.2	172	29.8	29.8	7.6	7.6	14.8	14.8	77.5	77.6	5.4	5.3	4.0	5.6	4	8	-	-	822130	807573	-	-	-	-
						1.0	0.3	174	29.8		7.6		14.8		77.6		5.4		4.0		6		-				-		-	
					Middle	4.1	0.3	194	29.4	29.4	7.6	7.6	16.5	16.5	75.2	75.2	5.2		3.1		4		-				-		-	
						4.1	0.3	207	29.4		7.6		16.5		75.2		5.2		3.2		6		-				-		-	
					Bottom	7.2	0.1	52	28.9	28.9	7.7	7.7	20.1	20.1	74.2	74.2	5.1	5.1	9.6		14		-				-		-	
						7.2	0.1	54	28.9		7.7		20.1		74.2		5.1		9.7		16		-				-		-	
SR4A	Cloudy	Calm	17:23	8.4	Surface	1.0	0.1	73	30.1	30.1	7.9	7.9	18.5	18.5	87.4	87.4	6.0	5.9	3.5	9.5	9	16	-	-	817201	807798	-	-	-	-
						1.0	0.1	74	30.1		7.9		18.5		87.3		6.0		3.5		8		-				-		-	
					Middle	4.2	0.2	82	29.9	29.9	7.9	7.9	18.9	18.9	85.8	85.7	5.9		8.8		8		-				-		-	
						4.2	0.2	89	29.9		7.9		18.9		85.6		5.8		8.8		10		-				-		-	
					Bottom	7.4	0.1	87	28.5	28.5	7.9	7.9	26.2	26.2	76.1	76.2	5.1	5.1	16.3		30		-				-		-	
						7.4	0.1	87	28.5		7.9		26.2		76.2		5.1		16.3		31		-				-		-	
SR5A	Cloudy	Calm	17:40	3.6	Surface	1.0	0.2	292	30.1	30.1	7.9	7.9	19.3	19.3	91.5	91.5	6.2	6.2	3.3	4.3	11	11	-	-	816585	810708	-	-	-	-
						1.0	0.2	298	30.1		7.9		19.3		91.5		6.2		3.3		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	298	29.9	29.9	7.9	7.9	19.9	19.9	90.9	91.3	6.2	6.2	5.2		11		-				-		-	
						2.6	0.2	320	29.9		7.9		19.9		91.6		6.2		5.2		11		-				-		-	
SR6	Cloudy	Calm	18:03	4.1	Surface	1.0	0.1	61	29.7	29.7	7.9	7.9	19.1	19.1	89.3	89.5	6.1	6.1	1.9	3.4	10	9	-	-	817885	814679	-	-	-	-
						1.0	0.1	66	29.7		7.9		19.1		89.7		6.1		1.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	80	29.5	29.5	7.9	7.9	19.5	19.5	90.5	90.5	6.2	6.2	4.8		9		-				-		-	
						3.1	0.0	84	29.5		7.9		19.5		90.5		6.2		4.8		8		-				-		-	
SR7	Cloudy	Moderate	18:30	19.7	Surface	1.0	0.3	99	29.4	29.4	7.8	7.8	18.9	18.9	87.3	87.4	6.0	6.0	1.4	2.9	5	5	-	-	823654	823727	-	-	-	-
						1.0	0.3	100	29.4		7.8		18.9		87.4		6.0		1.4		5		-				-		-	
					Middle	9.9	0.0	313	29.5	29.5	7.8	7.8	19.6	19.6	85.8	85.9	5.9		5.4		5		-				-		-	
						9.9	0.0	341	29.5		7.8		19.6		86.0		5.9		5.4		6		-				-		-	
					Bottom	18.7	0.1	38	28.8	28.8	7.8	7.8	23.9	23.9	80.4	80.5	5.4	5.5	1.8		4		-				-		-	
						18.7	0.1	41	28.8		7.8		23.9		80.6		5.5		1.8		4		-				-		-	
SR8	Cloudy	Moderate	17:16	4.0	Surface	1.0	-	-	30.2	30.2	7.8	7.8	15.0	15.0	87.8	87.8	6.1	6.1	5.2	4.9	9	9	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.2		7.8		15.0		87.8		6.1		5.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	30.2	30.2	7.8	7.8	15.9	15.9	86.8	86.9	6.0	6.0	4.7		9		-				-		-	
						3.0	-	-	30.2		7.8		15.9		86.9		6.0		4.7		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 12 September 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	Sunny	Calm	11:26	8.6	Surface	1.0	0.5	28	29.8	29.8	7.8	7.8	17.1	17.1	79.6	79.6	5.5	5.5	2.2	4.0	7	10	87	89	815619	804237	<0.2	<0.2	3.1	2.4
						1.0	0.5	28	29.8		7.8		17.1		79.6		5.5		2.5		6		86				<0.2		2.9	
					Middle	4.3	0.7	28	29.7	29.7	7.8	7.8	17.4	17.4	80.2	80.1	5.5		3.5		9		88				<0.2		2.5	
						4.3	0.8	28	29.7		7.8		17.4		80.0		5.5		3.3		11		89				<0.2		2.3	
					Bottom	7.6	0.5	20	29.3	29.3	7.9	7.9	22.5	22.5	78.1	78.3	5.3	5.3	6.4		14		92				<0.2		1.6	
						7.6	0.5	20	29.3		7.9		22.5		78.4		5.3		6.2		13		92				<0.2		1.7	
C2	Cloudy	Moderate	12:43	12.2	Surface	1.0	0.2	-	31.0	31.0	7.6	7.6	11.3	11.3	80.7	80.9	5.6	5.6	5.0	11.9	8	12	81	82	825691	806946	<0.2	<0.2	3.5	3.0
						1.0	0.3	-	31.0		7.6		11.3		81.0		5.7		5.1		10		81				<0.2		3.6	
					Middle	6.1	0.3	11	29.5	29.5	7.6	7.6	16.5	16.5	78.9	79.1	5.5		17.3		8		84				<0.2		2.8	
						6.1	0.3	11	29.5		7.6		16.5		79.2		5.5		17.3		8		85				<0.2		2.6	
					Bottom	11.2	0.3	357	29.3	29.3	7.6	7.6	18.9	18.9	75.5	75.7	5.2	5.2	13.4		18		79				<0.2		2.7	
						11.2	0.3	328	29.3		7.6		18.9		75.8		5.2		13.3		19		79				<0.2		2.5	
C3	Cloudy	Moderate	10:27	11.5	Surface	1.0	0.4	262	29.3	29.3	7.7	7.7	18.8	18.8	81.3	81.3	5.6	5.6	1.9	3.0	6	7	89	87	822101	817822	<0.2	<0.2	3.0	2.7
						1.0	0.4	286	29.3		7.7		18.8		81.3		5.6		2.0		6		89				<0.2		2.9	
					Middle	5.8	0.6	267	29.2	29.2	7.7	7.7	19.0	19.0	79.6	79.7	5.5		4.7		6		85				<0.2		2.6	
						5.8	0.6	275	29.2		7.7		19.0		79.7		5.5		4.8		6		85				<0.2		2.7	
					Bottom	10.5	0.4	280	29.0	29.0	7.7	7.7	20.8	20.8	77.1	77.2	5.3	5.3	2.2		9		88				<0.2		2.3	
						10.5	0.5	307	29.0		7.7		20.8		77.2		5.3		2.2		8		88				<0.2		2.4	
IM1	Sunny	Moderate	11:45	7.6	Surface	1.0	0.7	355	29.9	29.9	7.9	7.9	18.9	18.9	83.9	84.0	5.7	5.7	2.7	4.1	6	7	87	89	818351	806474	<0.2	<0.2	2.2	2.8
						1.0	0.7	327	29.9		7.9		18.9		84.0		5.7		2.6		6		87				<0.2		2.8	
					Middle	3.8	0.6	356	29.8	29.8	7.9	7.9	18.9	18.9	82.8	82.7	5.7		3.6		6		88				<0.2		2.9	
						3.8	0.7	328	29.8		7.9		18.9		82.6		5.6		3.5		6		88				<0.2		2.9	
					Bottom	6.6	0.6	356	29.8	29.8	7.9	7.9	19.0	19.0	78.6	78.6	5.4	5.4	6.2		8		92				<0.2		3.2	
						6.6	0.6	328	29.8		7.9		19.0		78.6		5.4		6.2		8		91				<0.2		2.7	
IM2	Sunny	Moderate	11:51	8.7	Surface	1.0	0.5	1	29.4	29.4	7.8	7.8	18.4	18.4	80.0	80.1	5.5	5.5	2.5	4.0	7	8	87	89	818844	806210	<0.2	<0.2	2.4	2.4
						1.0	0.6	1	29.4		7.8		18.4		80.2		5.5		2.5		7		87				<0.2		2.4	
					Middle	4.4	0.6	6	29.4	29.4	7.8	7.8	18.5	18.5	79.0	79.3	5.5		3.2		9		89				<0.2		2.5	
						4.4	0.7	6	29.4		7.8		18.5		79.5		5.5		3.2		7		88				<0.2		2.4	
					Bottom	7.7	0.5	352	29.5	29.5	7.8	7.8	18.7	18.7	80.9	81.3	5.6	5.6	6.1		7		91				<0.2		2.4	
						7.7	0.5	324	29.4		7.8		18.7		81.7		5.6		6.2		8		91				<0.2		2.4	
IM3	Sunny	Moderate	11:57	8.6	Surface	1.0	0.4	26	29.7	29.7	7.8	7.8	17.9	17.9	82.4	82.4	5.7	5.8	1.7	3.7	6	7	87	89	819420	806035	<0.2	<0.2	2.6	2.5
						1.0	0.5	28	29.7		7.8		17.9		82.3		5.7		1.6		6		86				<0.2		2.6	
					Middle	4.3	0.5	44	29.4	29.4	7.8	7.8	18.7	18.7	83.6	83.7	5.8		2.8		7		88				<0.2		2.5	
						4.3	0.6	47	29.4		7.8		18.7		83.8		5.8		2.8		7		89				<0.2		2.5	
					Bottom	7.6	0.3	22	29.3	29.3	7.8	7.8	19.0	19.0	79.1	79.4	5.5	5.5	6.7		9		91				<0.2		2.6	
						7.6	0.3	23	29.3		7.8		19.0		79.6		5.5		6.6		8		91				<0.2		2.4	
IM4	Sunny	Moderate	12:06	7.9	Surface	1.0	0.5	-	29.6	29.6	7.8	7.8	16.0	16.0	79.0	79.3	5.5	5.5	2.0	4.0	7	6	87	89	819565	805052	<0.2	<0.2	2.9	2.9
						1.0	0.5	-	29.5		7.8		16.0		79.5		5.5		2.0		7		87				<0.2		3.1	
					Middle	4.0	0.6	1	29.3	29.3	7.8	7.8	16.9	16.9	76.8	76.8	5.4		3.3		6		88				<0.2		2.9	
						4.0	0.6	1	29.3		7.8		16.9		76.7		5.4		3.2		6		89				<0.2		2.8	
					Bottom	6.9	0.2	350	29.5	29.5	7.8	7.8	17.1	17.1	76.6	76.7	5.3	5.3	6.7		7		91				<0.2		2.8	
						6.9	0.2	322	29.5		7.8		17.1		76.8		5.3		6.8		5		90				<0.2		2.7	
IM5	Sunny	Moderate	12:16	7.0	Surface	1.0	0.7	353	29.3	29.3	7.8	7.8	17.0	17.0	78.0	78.0	5.4	5.4	1.8	3.1	7	8	86	89	820546	804939	<0.2	<0.2	2.7	2.8
						1.0	0.7	325	29.3		7.8		17.0		78.0		5.4		1.8		7		86				<0.2		3.0	
					Middle	3.5	0.6	5	29.3	29.3	7.8	7.8	17.4	17.4	77.2	77.4	5.4		3.5		7		89				<0.2		2.8	
						3.5	0.7	5	29.3		7.8		17.4		77.6		5.4		3.5		7		89				<0.2		2.9	
					Bottom	6.0	0.4	358	29.4	29.4	7.8	7.8	18.0	18.0	77.9	78.2	5.4	5.4	4.1		8		91				<0.2		2.5	
						6.0	0.4	329	29.4		7.8		18.0		78.4		5.4		4.1		9		90				<0.2		2.6	
IM6	Sunny	Moderate	12:23	7.2	Surface	1.0	0.3	350	29.7	29.7	7.8	7.8	15.6	15.6	80.6	80.7	5.6	5.6	3.4	9.1	7	14	87	89	821042	805827	<0.2	<0.2	3.3	2.7
						1.0	0.3	322	29.7		7.8		15.6		80.8		5.6		3.3		7		87				<0.2		3.2	
					Middle	3.6	0.3	26	29.4	29.4	7.8	7.9	17.4	17.4	80.5	80.7	5.6		14.2		13		89				<0.2		2.7	
						3.6	0.3	27	29.4		7.9		17.4		80.8		5.6		13.9		12		88				<0.2		2.6	
					Bottom	6.2	0.2	357	29.3	29.3	7.9	7.9	19.4	19.4	79.0	79.4	5.4	5.5	9.7		21		92				<0.2		2.2	
						6.2	0.2	328	29.3		7.9		19.4		79.7		5.5		9.8		22		91				<0.2		2.2	
IM7	Sunny	Moderate	12:30	8.5	Surface	1.0	0.3	348	29.9	29.9	7.7	7.7	11.8	11.8	78.5	78.7	5.6	5.6	3.2	4.8	6	10	83	85	821345	806839	<0.2	<0.2	3.2	3.2
						1.0	0.3	320	29.9		7.7		11.8		78.9		5.6		3.2		8		83				<0.2		3.5	
					Middle	4.3	0.5	6	29.9	29.9	7.7	7.8	12.0	12.0	78.0	79.6	5.5		4.8		9		85				<0.2		3.5	
						4.3	0.5	6	29.9		7.8		12.0		81.2		5.8		4.8		7		84				<0.2		3.3	
					Bottom	7.5	0.2	7	29.7	29.7	7.9	7.9	15.9	15.9	79.6	79.7	5.5	5.6	6.4		14		89				<0.2		3.0	
						7.5	0.2	7	29.7		7.9		15.9		79.8		5.6		6.4		15		88				<0.2		2.7	
IM8	Cloudy	Moderate	12:16	8.2	Surface	1.0	0.2	45	30.6	30.6	7.7	7.7	10.9	11.0	81.7	81.8	5.8	5.7	4.5	6.0	5	7	77	81	821706	807827	<0.2	<0.2	3.8	3.5
						1.0	0.2	49	30.6		7.7		11.0		81.8		5.8		4.6		6		78				<0.2		3.8	
					Middle	4.1	0.3	28	30.1	30.1	7.6	7.6	11.1	11.1	77.7	77.7	5.5		6.8		7		81				<0.2		3.6	
						4.1	0.3	30	30.1		7.6		11.1		77.7		5.5		6.9		6		81				<0.2		3.5	
					Bottom	7.2	0.2	81	29.6	29.6	7.6	7.6	13.7	13.7	75.6	75.9	5.3	5.4	6.4		8		83				<0.2		3.3	
						7.2	0.2	84	29.6		7.6		13.7		76.1		5.4		6.5		8		84				<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**

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Water Quality Monitoring
Water Quality Monitoring Results on 12 September 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	12:07	7.1	Surface	1.0	0.3	37	30.3	30.3	7.6	7.6	12.1	12.1	80.3	80.5	5.7	5.6	3.9	10.5	7	7	80	86	822095	808824	<0.2	<0.2	3.4	3.3
						1.0	0.4	39	30.3		7.6		12.1		80.6		5.7		4.1				81				<0.2		3.3	
					Middle	3.6	0.3	18	29.8	29.8	7.7	7.7	12.3	12.3	78.0	78.0	5.5		4.7				85				<0.2		3.2	
						3.6	0.3	18	29.7		7.7		12.3		78.0		5.5		4.6				85				<0.2		3.2	
					Bottom	6.1	0.2	308	29.6	29.6	7.6	7.6	12.7	12.7	79.9	79.8	5.7	5.7	22.7				90				<0.2		3.1	
						6.1	0.3	334	29.6		7.6		12.7		79.7		5.7		23.0				92				<0.2		3.4	
IM10	Cloudy	Moderate	11:57	6.5	Surface	1.0	0.5	333	30.0	30.0	7.7	7.7	14.5	14.5	81.9	82.2	5.7	5.7	3.2	10.0	4	5	84	88	822246	809823	<0.2	<0.2	3.3	3.2
						1.0	0.5	349	30.0		7.7		14.5		82.4		5.8		3.2		5		84				<0.2		3.3	
					Middle	3.3	0.5	313	29.8	29.8	7.6	7.6	15.1	15.1	79.6	79.6	5.6		2.8		5		91				<0.2		3.3	
						3.3	0.5	331	29.7		7.6		15.1		79.6		5.6		2.8		5		91				<0.2		3.2	
					Bottom	5.5	0.4	317	29.5	29.5	7.7	7.7	15.8	15.8	80.9	81.0	5.7	5.7	24.0		6		89				<0.2		3.0	
						5.5	0.4	324	29.5		7.7		15.8		81.0		5.7		23.9		4		89				<0.2		3.0	
IM11	Cloudy	Moderate	11:37	7.6	Surface	1.0	0.6	297	29.4	29.6	7.7	7.7	16.7	16.7	81.6	81.6	5.7	5.6	4.9	8.2	3	7	78	87	821513	810533	<0.2	<0.2	2.7	2.6
						1.0	0.6	322	29.8		7.7		16.7		81.5		5.6		4.9		3		78				<0.2		3.0	
					Middle	3.8	0.5	300	29.9	29.9	7.7	7.7	16.8	16.8	80.9	80.9	5.6		7.9		4		91				<0.2		2.8	
						3.8	0.5	306	29.9		7.7		16.8		80.9		5.6		8.1		4		92				<0.2		2.7	
					Bottom	6.6	0.3	318	29.3	29.3	7.7	7.7	19.8	19.8	80.9	81.0	5.6	5.6	11.7		15		90				<0.2		2.4	
						6.6	0.3	324	29.3		7.7		19.8		81.1		5.6		11.8		13		91				<0.2		2.2	
IM12	Cloudy	Moderate	11:29	8.0	Surface	1.0	0.7	272	29.8	29.8	7.7	7.7	16.0	16.0	81.2	81.3	5.7	5.7	2.4	8.9	2	13	83	85	821145	811510	<0.2	<0.2	2.8	2.7
						1.0	0.8	285	29.7		7.7		16.0		81.3		5.7		2.3		2		84				<0.2		2.9	
					Middle	4.0	0.6	285	29.4	29.4	7.7	7.7	18.2	18.2	81.3	81.4	5.6		4.4		4		84				<0.2		3.0	
						4.0	0.6	305	29.4		7.7		18.2		81.5		5.6		4.4		4		84				<0.2		2.9	
					Bottom	7.0	0.3	297	29.2	29.2	7.7	7.7	21.0	21.0	76.9	76.9	5.3	5.3	19.8		30		88				<0.2		2.2	
						7.0	0.3	309	29.2		7.7		21.0		76.9		5.3		19.8		33		89				<0.2		2.5	
SR2	Cloudy	Moderate	10:52	4.2	Surface	1.0	0.1	271	29.5	29.5	7.7	7.7	16.9	16.9	81.3	81.6	5.7	5.7	2.8	3.8	5	5	83	86	821475	814155	<0.2	<0.2	2.8	2.7
						1.0	0.1	287	29.5		7.7		16.9		81.8		5.7		2.8		3		84				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	207	29.3	29.3	7.7	7.7	18.0	18.0	79.9	80.0	5.5	5.5	4.8		7		88				<0.2		2.7	
						3.2	0.0	210	29.3		7.7		18.0		80.1		5.5		4.9		6		88				<0.2		2.6	
SR3	Cloudy	Moderate	12:23	8.7	Surface	1.0	0.2	25	30.2	30.2	7.6	7.6	11.0	11.0	79.0	79.1	5.6	5.7	5.4	6.2	3	4	-	-	822132	807581	-	-	-	-
						1.0	0.3	25	30.2		7.6		11.0		79.1		5.6		5.4		4		-				-		-	
					Middle	4.4	0.3	18	30.0	30.0	7.5	7.5	11.1	11.1	79.7	79.7	5.7		8.6		5		-				-		-	
						4.4	0.3	18	29.9		7.5		11.1		79.6		5.7		8.6		4		-				-		-	
					Bottom	7.7	0.2	61	29.7	29.7	7.5	7.5	12.4	12.4	76.1	76.2	5.4	5.4	4.7		5		-				-		-	
						7.7	0.3	62	29.7		7.5		12.4		76.2		5.4		4.6		5		-				-		-	
SR4A	Sunny	Calm	11:04	8.8	Surface	1.0	0.3	232	29.4	29.4	7.9	7.9	21.0	21.0	81.1	81.2	5.5	5.6	3.1	4.5	10	12	-	-	817204	807806	-	-	-	-
						1.0	0.3	244	29.4		7.9		21.0		81.2		5.5		3.0		10		-				-		-	
					Middle	4.4	0.1	250	29.5	29.5	8.0	8.0	21.0	21.0	83.2	83.2	5.7		3.7		10		-				-		-	
						4.4	0.1	267	29.5		8.0		21.0		83.2		5.7		3.7		10		-				-		-	
					Bottom	7.8	0.2	252	29.6	29.6	8.0	8.0	21.2	21.2	80.0	80.0	5.4	5.4	6.7		16		-				-		-	
						7.8	0.2	273	29.6		8.0		21.2		80.0		5.4		6.6		15		-				-		-	
SR5A	Sunny	Calm	10:48	3.4	Surface	1.0	0.2	303	29.9	29.9	7.9	7.9	19.6	19.6	82.9	82.9	5.7	5.7	2.3	4.4	6	6	-	-	816588	810704	-	-	-	-
						1.0	0.2	307	29.8		7.9		19.6		82.9		5.6		2.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.2	312	29.8	29.8	7.9	7.9	19.7	19.7	81.5	81.5	5.6	5.6	6.5		6		-				-		-	
						2.4	0.2	341	29.8		7.9		19.7		81.4		5.5		6.6		6		-				-		-	
SR6	Sunny	Calm	10:24	4.1	Surface	1.0	0.2	282	29.9	29.9	7.8	7.8	18.1	18.1	83.4	83.4	5.7	5.7	2.4	4.3	7	7	-	-	817899	814656	-	-	-	-
						1.0	0.2	284	29.9		7.8		18.1		83.3		5.7		2.3		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	305	30.0	30.0	7.8	7.8	18.1	18.1	83.6	83.8	5.7	5.7	6.2		6		-				-		-	
						3.1	0.1	330	30.0		7.8		18.1		83.9		5.7		6.4		8		-				-		-	
SR7	Cloudy	Moderate	09:51	15.5	Surface	1.0	0.1	210	29.5	29.5	7.7	7.7	18.8	18.8	83.8	83.8	5.8	5.7	2.7	3.5	2	3	-	-	823629	823756	-	-	-	-
						1.0	0.1	230	29.5		7.7		18.8		83.8		5.8		2.7		3		-				-		-	
					Middle	7.8	0.1	198	29.1	29.1	7.7	7.7	19.6	19.6	79.7	79.7	5.5		4.7		4		-				-		-	
						7.8	0.1	206	29.1		7.7		19.6		79.7		5.5		4.7		4		-				-		-	
					Bottom	14.5	0.0	82	28.8	28.8	7.7	7.7	22.9	22.9	77.3	77.3	5.3	5.3	3.1		4		-				-		-	
						14.5	0.0	89	28.8		7.7		22.9		77.3		5.3		3.1		3		-				-		-	
SR8	Cloudy	Moderate	11:19	3.9	Surface	1.0	0.0	0	30.2	30.2	7.7	7.7	14.6	14.6	84.3	84.4	5.9	5.9	4.8	6.8	5	9	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	30.2		7.7		14.6		84.4		5.9		4.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	0	29.9	29.9	7.6	7.6	14.8	14.8	82.5	82.5	5.8	5.8	8.9		12		-				-		-	
						2.9	0.0	0	29.9		7.6		14.8		82.5		5.8		8.8		14		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 September 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	07:21	9.3	Surface	1.0	0.7	207	28.3	28.3	8.0	8.0	22.5	22.5	84.1	84.1	5.8	5.7	8.8	10.9	2	5	97	96	815613	804229	<0.2	<0.2	1.2	1.3
						1.0	0.7	216	28.3		8.0		22.5		84.1		5.8		8.8		4		97				<0.2		1.3	
					Middle	4.7	0.6	203	28.3	28.3	8.0	8.0	22.6	22.6	81.8	81.7	5.6		10.5		5		94				<0.2		1.5	
						4.7	0.6	222	28.3		8.0		22.6		81.5		5.6		10.6		6		94				<0.2		1.4	
					Bottom	8.3	0.5	216	28.1	28.1	7.9	7.9	27.1	27.1	65.7	65.8	4.4	4.4	13.5		7		98				<0.2		1.2	
						8.3	0.6	223	28.1		7.9		27.1		65.9		4.4		13.3		6		98				<0.2		1.2	
C2	Sunny	Moderate	08:11	11.8	Surface	1.0	0.9	158	29.0	29.0	7.8	7.8	17.4	17.4	65.3	65.2	4.6	4.5	13.2	15.9	5	10	87	90	825665	806952	<0.2	<0.2	2.5	2.1
						1.0	1.0	166	29.0		7.8		17.4		65.1		4.5		13.4		3		87				<0.2		2.3	
					Middle	5.9	0.7	158	28.8	28.8	7.8	7.8	20.9	20.9	63.4	63.4	4.3		17.4		13		91				<0.2		1.9	
						5.9	0.8	162	28.8		7.8		20.9		63.4		4.4		17.3		13		90				<0.2		1.9	
					Bottom	10.8	0.5	163	28.7	28.7	7.8	7.8	23.3	23.6	67.6	67.8	4.6	4.6	16.9		14		91				<0.2		2.0	
						10.8	0.5	165	28.7		7.8		23.8		68.0		4.6		16.9		14		92				<0.2		1.9	
C3	Fine	Moderate	05:56	12.5	Surface	1.0	0.2	116	28.6	28.6	7.8	7.8	21.6	21.6	78.2	78.2	5.4	5.3	2.5	2.6	4	5	87	89	822107	817796	<0.2	<0.2	1.7	1.9
						1.0	0.2	126	28.6		7.8		21.6		78.1		5.4		2.4		6		87				<0.2		2.0	
					Middle	6.3	0.2	101	28.6	28.6	7.8	7.8	21.9	21.9	75.2	75.2	5.2		2.4		7		89				<0.2		2.0	
						6.3	0.2	109	28.6		7.8		21.9		75.2		5.2		2.5		5		90				<0.2		1.9	
					Bottom	11.5	0.2	32	28.6	28.6	7.8	7.8	23.2	23.3	76.5	77.6	5.2	5.3	3.0		5		92				<0.2		1.9	
						11.5	0.2	33	28.6		7.8		23.3		78.6		5.3		2.7		5		91				<0.2		2.0	
IM1	Cloudy	Moderate	07:46	7.6	Surface	1.0	0.7	188	28.3	28.3	7.9	7.9	20.7	20.8	80.1	79.7	5.6	5.2	6.6	7.8	5	5	91	90	818370	806455	<0.2	<0.2	1.8	1.6
						1.0	0.7	193	28.3		7.9		20.8		79.2		5.5		6.4		5		91				<0.2		1.7	
					Middle	3.8	0.5	166	28.3	28.3	7.9	7.9	25.0	25.0	71.0	70.8	4.8		7.3		6		91				<0.2		1.6	
						3.8	0.5	170	28.3		7.9		24.9		70.6		4.8		7.2		5		91				<0.2		1.8	
					Bottom	6.6	0.2	156	28.2	28.2	7.9	7.9	26.4	26.4	67.3	67.4	4.5	4.5	9.6		6		89				<0.2		1.2	
						6.6	0.3	159	28.2		7.9		26.4		67.4		4.5		9.6		5		89				<0.2		1.3	
IM2	Cloudy	Moderate	07:54	8.4	Surface	1.0	0.6	190	28.4	28.4	7.9	7.9	20.8	20.8	81.4	81.3	5.6	5.4	6.2	7.7	5	5	87	89	818867	806191	<0.2	<0.2	1.9	1.8
						1.0	0.6	196	28.4		7.9		20.8		81.2		5.6		6.2		3		87				<0.2		1.9	
					Middle	4.2	0.5	198	28.4	28.4	7.9	7.9	22.7	22.7	75.4	75.1	5.2		7.2		6		86				<0.2		1.9	
						4.2	0.6	212	28.4		7.9		22.7		74.7		5.1		7.3		4		87				<0.2		1.8	
					Bottom	7.4	0.3	177	28.3	28.3	7.9	7.9	25.4	25.6	68.7	68.7	4.7	4.7	9.5		4		93				<0.2		1.6	
						7.4	0.3	180	28.2		7.9		25.8		68.7		4.6		9.8		5		93				<0.2		1.4	
IM3	Cloudy	Moderate	08:02	8.7	Surface	1.0	0.7	206	28.4	28.4	7.9	7.9	20.8	20.8	80.6	80.5	5.6	5.4	6.1	8.4	5	4	91	91	819423	806018	<0.2	<0.2	1.8	1.8
						1.0	0.7	212	28.4		7.9		20.7		80.4		5.6		6.2		4		91				<0.2		1.8	
					Middle	4.4	0.5	195	28.4	28.4	7.9	7.9	22.0	22.0	76.3	76.3	5.3		7.6		3		89				<0.2		1.8	
						4.4	0.6	214	28.4		7.9		22.0		76.2		5.2		7.7		4		89				<0.2		1.8	
					Bottom	7.7	0.4	187	28.3	28.3	7.9	8.0	25.4	25.4	72.3	72.7	4.9	5.0	11.4		3		92				<0.2		1.8	
						7.7	0.4	189	28.3		8.0		25.4		73.1		5.0		11.2		5		92				<0.2		1.7	
IM4	Cloudy	Moderate	08:10	7.9	Surface	1.0	0.6	194	28.4	28.4	7.9	7.9	20.8	20.8	81.4	81.3	5.6	5.6	6.3	7.0	4	4	91	92	819579	805044	<0.2	<0.2	1.8	1.8
						1.0	0.6	203	28.4		7.9		20.8		81.2		5.6		6.4		3		91				<0.2		1.9	
					Middle	4.0	0.5	188	28.4	28.4	7.9	7.9	20.8	20.8	79.7	79.3	5.5		6.6		3		93				<0.2		1.8	
						4.0	0.5	202	28.4		7.9		20.8		78.9		5.5		6.7		5		94				<0.2		1.7	
					Bottom	6.9	0.5	187	28.4	28.4	7.9	7.9	22.3	22.3	74.9	74.8	5.2	5.2	7.9		6		92				<0.2		1.8	
						6.9	0.5	193	28.4		7.9		22.2		74.6		5.1		8.0		4		92				<0.2		1.8	
IM5	Cloudy	Moderate	08:26	6.9	Surface	1.0	0.9	215	28.6	28.6	7.9	7.9	18.2	18.2	80.6	80.6	5.6	5.4	6.5	9.8	3	4	91	93	820563	804915	<0.2	<0.2	2.0	2.0
						1.0	0.9	231	28.6		7.9		18.2		80.5		5.6		6.5		4		92				<0.2		1.9	
					Middle	3.5	0.7	211	28.6	28.6	7.9	7.9	20.2	19.8	74.2	74.1	5.1		7.5		3		93				<0.2		2.0	
						3.5	0.8	229	28.6		7.9		19.4		73.9		5.1		7.7		3		94				<0.2		2.0	
					Bottom	5.9	0.7	218	28.1	28.1	7.9	7.9	26.5	26.6	64.6	64.8	4.4	4.4	15.2		4		93				<0.2		2.0	
						5.9	0.7	221	28.1		7.9		26.6		64.9		4.4		15.1		4		92				<0.2		2.0	
IM6	Cloudy	Moderate	08:37	6.8	Surface	1.0	0.7	209	28.7	28.7	7.9	7.9	18.7	18.7	78.3	78.2	5.5	5.2	6.6	7.8	3	4	91	92	821047	805846	<0.2	<0.2	2.0	1.8
						1.0	0.8	214	28.7		7.9		18.7		78.1		5.4		6.6		2		91				<0.2		2.0	
					Middle	3.4	0.5	209	28.6	28.6	7.9	7.9	21.2	21.2	73.0	72.9	5.0		7.6		4		91				<0.2		1.7	
						3.4	0.5	225	28.6		7.9		21.2		72.7		5.0		7.7		4		92				<0.2		1.7	
					Bottom	5.8	0.5	218	28.4	28.4	7.9	7.9	23.6	23.7	69.9	70.0	4.8	4.8	9.0		5		93				<0.2		1.5	
						5.8	0.5	238	28.3		7.9		23.7		70.0		4.8		9.2		6		93				<0.2		1.6	
IM7	Cloudy	Moderate	08:49	8.0	Surface	1.0	0.5	235	28.6	28.6	7.9	7.9	19.6	19.7	73.3	73.1	5.1	4.8	7.9	10.7	3	4	91	93	821356	806816	<0.2	<0.2	2.2	2.0
						1.0	0.5	248	28.6		7.9		19.8		72.9		5.1		7.9		3		92				<0.2		2.1	
					Middle	4.0	0.2	229	28.4	28.4	7.9	7.9	24.4	24.4	64.1	64.1	4.4		10.5		5		92				<0.2		1.9	
						4.0	0.2	249	28.4		7.9		24.4		64.1		4.4		10.6		4		93				<0.2		2.0	
					Bottom	7.0	0.3	229	28.2	28.2	7.9	7.9	25.6	25.6	63.2	63.3	4.3	4.3	13.7		4		93				<0.2		1.8	
						7.0	0.3	251	28.2		7.9		25.6		63.3		4.3		13.8		4		94				<0.2		2.0	
IM8	Sunny	Moderate	07:38	8.4	Surface	1.0	0.5	207	28.9	28.9	7.9	7.9	19.0	19.0	77.0	76.9	5.3	5.3	4.8	6.4	2	3	88	91	821697	807851	<0.2	<0.2	2.2	2.0
						1.0	0.5	209	28.9		7.9		19.0		76.8		5.3		4.8		2		87				<0.2		2.2	
					Middle	4.2	0.2	216	28.9	28.9	7.9	7.9	19.2	19.2	75.3	75.3	5.2		6.4		5		91				<0.2		2.0	
						4.2	0.2	233	28.8		7.9		19.2		75.2		5.2		6.5		3		91				<0.2		1.9	
					Bottom	7.4	0.1	45	28.6	28.6	8.0	8.0	26.1	26.1	81.5	81.8	5.5	5.5	7.9		3		93				<0.2		1.8	
						7.4	0.1	45	28.6		8.0		26.0		82.0		5.5		7.9		3		94				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 September 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	07:31	7.7	Surface	1.0	0.4	185	29.0	29.0	7.9	7.9	19.4	19.4	73.2	73.2	5.1	5.0	5.2	6.6	2	3	88	91	822112	808809	<0.2	<0.2	2.0	2.0
						1.0	0.5	192	29.0		7.9		19.4		73.1		5.0		5.3		4		89				<0.2		2.0	
					Middle	3.9	0.3	162	28.8	28.8	7.9	7.9	20.6	20.6	72.2	72.3	5.0		7.0		4		92				<0.2		2.4	
						3.9	0.3	168	28.7		7.9		20.6		72.3		5.0		7.0		2		91				<0.2		2.3	
					Bottom	6.7	0.1	134	28.6	28.6	8.0	8.0	25.5	25.5	79.0	79.3	5.3	5.3	7.5		4		93				<0.2		1.7	
						6.7	0.1	138	28.6		7.9		25.5		79.5		5.3		7.4		4		93				<0.2		1.8	
IM10	Sunny	Moderate	07:23	6.8	Surface	1.0	0.5	149	28.9	28.9	7.8	7.8	19.4	19.4	74.7	74.7	5.2	5.0	4.7	8.6	4	5	87	90	822247	809819	<0.2	<0.2	1.8	1.7
						1.0	0.5	151	28.9		7.8		19.4		74.7		5.2		4.8		2		86				<0.2		2.0	
					Middle	3.4	0.3	118	28.6	28.6	7.9	7.9	24.3	24.3	69.5	70.0	4.7		11.0		5		90				<0.2		1.7	
						3.4	0.4	124	28.6		7.9		24.3		70.4		4.8		11.2		7		90				<0.2		1.8	
					Bottom	5.8	0.3	103	28.6	28.6	7.9	7.9	24.9	24.9	79.1	79.4	5.3	5.4	10.0		6		92				<0.2		1.5	
						5.8	0.3	109	28.6		7.9		24.9		79.6		5.4		10.0		6		92				<0.2		1.5	
IM11	Sunny	Moderate	07:04	8.7	Surface	1.0	0.3	124	28.7	28.7	7.9	7.9	20.5	20.5	78.2	78.1	5.4	5.4	7.1	9.6	3	5	88	91	821498	810552	<0.2	<0.2	1.7	1.6
						1.0	0.4	133	28.7		7.9		20.5		78.0		5.4		7.2		4		89				<0.2		1.6	
					Middle	4.4	0.3	122	28.7	28.7	8.1	8.1	21.4	21.4	77.5	77.5	5.3		10.1		4		91				<0.2		2.0	
						4.4	0.3	133	28.7		8.1		21.4		77.5		5.3		10.2		3		92				<0.2		1.6	
					Bottom	7.7	0.3	122	28.6	28.6	8.0	8.0	22.7	22.7	81.3	81.5	5.5	5.6	11.5		7		92				<0.2		1.4	
						7.7	0.3	132	28.6		8.0		22.7		81.6		5.6		11.5		9		93				<0.2		1.4	
IM12	Sunny	Moderate	06:55	9.3	Surface	1.0	0.3	124	28.6	28.6	7.9	7.9	20.8	20.9	81.6	81.6	5.6	5.6	4.2	4.5	4	5	88	90	821162	811499	<0.2	<0.2	1.9	1.8
						1.0	0.3	134	28.6		7.9		20.9		81.6		5.6		4.2		4		87				<0.2		1.8	
					Middle	4.7	0.3	113	28.6	28.6	7.9	7.9	21.1	21.1	81.4	81.4	5.6		4.7		3		89				<0.2		2.0	
						4.7	0.4	115	28.6		7.9		21.1		81.4		5.6		4.7		3		90				<0.2		1.8	
					Bottom	8.3	0.2	87	28.6	28.6	8.0	8.0	22.0	22.0	86.0	86.2	5.9	5.9	4.5		8		91				<0.2		1.6	
						8.3	0.2	94	28.6		8.0		22.0		86.4		5.9		4.4		7		92				<0.2		1.7	
SR2	Fine	Moderate	06:22	4.7	Surface	1.0	0.2	111	28.6	28.6	7.9	7.9	21.9	21.9	69.6	69.5	4.8	4.8	4.9	5.5	3	4	86	89	821478	814149	<0.2	<0.2	1.5	1.5
						1.0	0.2	111	28.6		7.9		21.9		69.4		4.8		5.0		5		87				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	119	28.6	28.6	7.8	7.8	24.0	24.0	71.5	71.7	4.8	4.9	6.0		4		91				<0.2		1.5	
						3.7	0.2	122	28.6		7.8		24.0		71.8		4.9		5.9		5		92				<0.2		1.5	
SR3	Sunny	Moderate	07:45	8.9	Surface	1.0	0.5	187	28.8	28.8	7.9	7.9	18.7	18.7	77.2	77.1	5.4	5.1	5.1	7.4	4	3	-	-	822155	807583	-	-	-	-
						1.0	0.5	191	28.8		7.9		18.7		77.0		5.4		5.1		2		-				-		-	
					Middle	4.5	0.2	223	28.8	28.8	7.9	7.9	20.0	20.1	70.3	70.3	4.9		8.0		3		-				-		-	
						4.5	0.2	240	28.8		7.9		20.1		70.2		4.8		8.2		3		-				-		-	
					Bottom	7.9	0.1	10	28.5	28.5	7.9	7.9	25.1	25.1	77.0	77.3	5.2	5.2	9.0		4		-				-		-	
						7.9	0.1	10	28.5		7.9		25.1		77.6		5.2		8.9		2		-				-		-	
SR4A	Cloudy	Moderate	07:00	9.8	Surface	1.0	0.1	264	28.2	28.2	7.9	7.9	22.3	22.3	81.9	81.9	5.7	5.2	5.8	7.7	6	8	-	-	817188	807791	-	-	-	-
						1.0	0.1	289	28.2		7.9		22.3		81.8		5.6		5.7		6		-				-		-	
					Middle	4.9	0.2	89	28.3	28.3	7.9	7.9	25.1	25.1	70.1	70.0	4.8		6.8		6		-				-		-	
						4.9	0.2	94	28.3		7.9		25.1		69.9		4.7		6.1		5		-				-		-	
					Bottom	8.8	0.1	97	28.2	28.2	7.9	7.9	25.7	25.7	69.3	69.6	4.7	4.7	11.0		14		-				-		-	
						8.8	0.1	105	28.2		7.9		25.7		69.8		4.7		10.9		13		-				-		-	
SR5A	Cloudy	Moderate	06:41	5.6	Surface	1.0	0.1	7	28.7	28.7	7.9	7.9	20.6	20.6	80.1	79.8	5.5	5.5	4.7	4.4	6	7	-	-	816583	810714	-	-	-	-
						1.0	0.1	7	28.7		7.9		20.6		79.5		5.5		4.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	288	28.8	28.8	7.8	7.8	22.8	22.8	74.6	75.4	5.1	5.2	3.9		7		-				-		-	
						4.6	0.0	310	28.8		7.8		22.8		76.2		5.2		4.1		8		-				-		-	
SR6	Cloudy	Moderate	06:14	4.8	Surface	1.0	0.1	221	28.4	28.4	7.8	7.8	20.5	20.5	78.6	78.4	5.5	5.5	4.4	7.2	4	5	-	-	817912	814666	-	-	-	-
						1.0	0.1	240	28.4		7.8		20.5		78.1		5.4		4.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	75	28.6	28.6	7.8	7.8	23.3	23.3	56.8	56.8	3.9	3.9	9.9		6		-				-		-	
						3.8	0.1	75	28.6		7.8		23.3		56.8		3.9		10.0		6		-				-		-	
SR7	Fine	Moderate	05:20	20.0	Surface	1.0	0.3	74	28.4	28.4	7.9	7.9	23.2	23.2	76.7	76.7	5.2	5.1	1.2	3.7	4	4	-	-	823636	823728	-	-	-	-
						1.0	0.3	79	28.4		7.9		23.2		76.6		5.2		1.2		4		-				-		-	
					Middle	10.0	0.2	80	28.4	28.4	7.8	7.8	25.6	25.6	74.4	74.4	5.0		3.8		4		-				-		-	
						10.0	0.2	82	28.4		7.8		25.6		74.3		5.0		3.8		3		-				-		-	
					Bottom	19.0	0.5	109	28.4	28.4	7.8	7.8	25.9	25.9	74.1	74.4	5.0	5.0	6.0		5		-				-		-	
						19.0	0.5	118	28.4		7.8		25.9		74.6		5.0		6.1		5		-				-		-	
SR8	Fine	Calm	06:47	4.4	Surface	1.0	-	-	28.9	28.9	7.9	7.9	21.8	21.8	76.5	76.5	5.2	5.2	6.8	7.0	2	3	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.9		7.9		21.8		76.5		5.2		6.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	28.7	28.7	7.9	7.9	21.9	21.9	78.2	78.3	5.3	5.4	7.2		3		-				-		-	
						3.4	-	-	28.7		7.9		21.9		78.3		5.4		7.1		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 September 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	14:23	8.7	Surface	1.0	0.2	86	28.9	28.9	7.9	7.9	18.5	18.5	83.7	83.7	5.8	5.8	7.3	12.5	5	6	88	92	815633	804235	<0.2	<0.2	2.1	1.9
						1.0	0.2	87	28.9		7.9		18.5		83.7		5.8		7.5		4		89				<0.2		2.1	
					Middle	4.4	0.3	13	28.6	28.6	7.9	7.9	21.8	21.9	83.0	83.0	5.7		9.3		5		91				<0.2		2.0	
						4.4	0.3	13	28.6		7.9		21.9		82.9		5.7		9.6		5		91				<0.2		1.9	
					Bottom	7.7	0.2	24	28.3	28.3	7.9	7.9	25.2	25.2	81.9	82.0	5.6	5.6	20.7		8		95				<0.2		1.7	
						7.7	0.2	24	28.3		7.9		25.2		82.1		5.6		20.6		9		95				<0.2		1.6	
C2	Cloudy	Moderate	13:05	11.4	Surface	1.0	0.3	195	29.5	29.5	7.6	7.6	15.8	15.8	61.9	61.9	4.6	4.6	7.6	6.5	6	7	89	92	825675	806954	<0.2	<0.2	4.1	3.7
						1.0	0.3	203	29.5		7.6		15.8		61.9		4.6		7.6		5		89				<0.2		4.5	
					Middle	5.7	0.1	9	29.1	29.1	7.6	7.6	18.9	18.9	61.8	61.8	4.6		6.4		8		92				<0.2		4.0	
						5.7	0.1	9	29.1		7.6		18.9		61.8		4.6		6.4		6		91				<0.2		4.1	
					Bottom	10.4	0.3	333	28.9	28.9	7.6	7.6	21.0	21.0	64.9	65.0	4.4	4.5	5.4		7		94				<0.2		2.9	
						10.4	0.3	335	28.9		7.6		21.0		65.1		4.5		5.4		7		95				<0.2		2.8	
C3	Cloudy	Moderate	15:18	11.7	Surface	1.0	0.3	259	28.9	28.9	8.2	8.2	22.8	22.8	74.6	74.5	5.1	4.7	3.9	4.7	7	6	88	91	822111	817818	<0.2	<0.2	1.7	1.6
						1.0	0.3	276	28.9		8.2		22.8		74.4		5.1		3.7		5		89				<0.2		1.7	
					Middle	5.9	0.4	244	28.5	28.5	8.1	8.1	24.6	24.7	64.2	64.2	4.3		4.5		6		90				<0.2		1.4	
						5.9	0.4	256	28.5		8.1		24.7		64.2		4.3		4.5		6		91				<0.2		1.6	
					Bottom	10.7	0.2	285	28.1	28.1	7.9	7.9	27.8	27.8	67.5	67.7	4.5	4.5	5.9		6		94				<0.2		1.4	
						10.7	0.2	313	28.1		7.9		27.8		67.8		4.5		5.8		6		94				<0.2		1.5	
IM1	Cloudy	Moderate	14:02	7.4	Surface	1.0	0.5	2	28.8	28.8	8.0	8.0	23.0	23.0	93.0	92.9	6.3	6.2	7.8	11.8	6	7	89	91	818344	806453	<0.2	<0.2	1.4	1.4
						1.0	0.5	2	28.8		8.0		23.0		92.8		6.3		7.8		7		89				<0.2		1.5	
					Middle	3.7	0.4	9	28.6	28.6	8.0	8.0	23.9	23.9	90.0	89.8	6.1		8.0		6		91				<0.2		1.5	
						3.7	0.4	9	28.6		8.0		23.9		89.6		6.1		8.1		6		91				<0.2		1.5	
					Bottom	6.4	0.4	4	28.3	28.3	8.0	8.0	25.1	25.1	77.2	77.4	5.2	5.2	19.3		8		94				<0.2		1.4	
						6.4	0.4	4	28.3		8.0		25.1		77.5		5.2		19.6		6		94				<0.2		1.3	
IM2	Cloudy	Moderate	13:55	8.0	Surface	1.0	0.2	319	28.9	28.9	8.0	8.0	20.9	20.8	86.7	86.8	6.0	6.0	8.3	13.6	5	6	87	91	818835	806204	<0.2	<0.2	2.7	1.8
						1.0	0.2	324	28.9		8.0		20.7		86.8		6.0		8.3		4		86				<0.2		2.6	
					Middle	4.0	0.3	357	28.7	28.7	8.0	8.0	23.6	23.7	87.5	87.4	5.9		11.9		7		91				<0.2		1.4	
						4.0	0.3	328	28.7		8.0		23.7		87.3		5.9		12.2		8		92				<0.2		1.5	
					Bottom	7.0	0.3	7	28.3	28.3	7.9	7.9	25.0	25.0	70.1	70.3	4.8	4.8	20.5		7		94				<0.2		1.4	
						7.0	0.3	7	28.3		7.9		25.0		70.4		4.8		20.4		7		94				<0.2		1.4	
IM3	Cloudy	Moderate	13:46	8.7	Surface	1.0	0.2	318	29.0	29.0	7.9	7.9	19.9	20.0	82.6	82.6	5.7	5.6	8.2	15.0	4	4	89	91	819393	806018	<0.2	<0.2	2.9	2.2
						1.0	0.2	337	28.9		7.9		20.1		82.5		5.7		8.4		3		89				<0.2		2.9	
					Middle	4.4	0.3	10	28.5	28.5	8.0	8.0	23.6	23.6	79.4	79.3	5.4		11.9		4		91				<0.2		1.9	
						4.4	0.3	10	28.5		8.0		23.6		79.2		5.4		12.1		4		91				<0.2		2.2	
					Bottom	7.7	0.2	31	28.3	28.3	7.9	7.9	25.0	25.0	69.9	70.0	4.7	4.8	24.8		4		94				<0.2		1.7	
						7.7	0.2	33	28.3		7.9		25.0		70.0		4.8		24.7		6		94				<0.2		1.6	
IM4	Cloudy	Moderate	13:35	7.6	Surface	1.0	0.4	301	29.0	29.0	7.9	7.9	19.3	19.4	77.7	77.6	5.4	5.1	9.2	15.7	3	5	91	94	819558	805044	<0.2	<0.2	3.0	2.2
						1.0	0.4	310	29.0		7.9		19.4		77.4		5.4		9.1		2		91				<0.2		2.9	
					Middle	3.8	0.2	325	28.5	28.5	7.9	7.9	22.3	22.3	70.2	70.2	4.8		14.5		5		94				<0.2		1.8	
						3.8	0.2	350	28.5		7.9		22.3		70.2		4.8		14.8		4		94				<0.2		2.0	
					Bottom	6.6	0.2	18	28.2	28.2	7.9	7.9	24.9	24.9	65.1	65.2	4.4	4.4	23.3		7		96				<0.2		1.7	
						6.6	0.2	18	28.2		7.9		24.9		65.2		4.4		23.4		7		96				<0.2		1.6	
IM5	Cloudy	Moderate	13:23	6.8	Surface	1.0	0.3	347	29.2	29.2	7.8	7.8	17.5	17.6	74.1	74.0	5.2	5.0	9.5	11.9	4	6	89	91	820571	804908	<0.2	<0.2	2.8	2.3
						1.0	0.3	319	29.2		7.8		17.6		73.9		5.1		9.5		2		89				<0.2		2.8	
					Middle	3.4	0.4	9	28.7	28.7	7.9	7.9	20.9	20.9	69.1	69.1	4.8		12.0		8		90				<0.2		2.1	
						3.4	0.4	9	28.7		7.9		20.9		69.1		4.8		12.1		6		91				<0.2		2.1	
					Bottom	5.8	0.3	9	28.6	28.6	7.9	7.9	22.0	22.1	68.7	68.8	4.7	4.7	14.1		9		93				<0.2		1.9	
						5.8	0.3	9	28.6		7.9		22.1		68.9		4.7		14.3		7		94				<0.2		2.2	
IM6	Cloudy	Moderate	13:15	6.5	Surface	1.0	0.3	314	29.1	29.1	7.7	7.7	16.7	16.7	72.2	72.3	5.1	5.0	8.4	11.3	4	6	89	93	821040	805828	<0.2	<0.2	3.7	3.2
						1.0	0.3	343	29.1		7.7		16.6		72.3		5.1		8.5		6		90				<0.2		3.7	
					Middle	3.3	0.3	341	28.9	28.9	7.8	7.8	19.1	19.1	70.7	70.7	4.9		13.4		4		93				<0.2		3.3	
						3.3	0.3	358	28.9		7.8		19.0		70.6		4.9		13.6		4		94				<0.2		3.3	
					Bottom	5.5	0.2	353	28.7	28.7	7.8	7.8	20.6	20.7	68.8	68.8	4.8	4.8	11.9		8		96				<0.2		2.6	
						5.5	0.3	325	28.7		7.8		20.7		68.8		4.8		12.1		10		96				<0.2		2.4	
IM7	Cloudy	Moderate	13:07	7.9	Surface	1.0	0.4	268	29.2	29.2	7.7	7.7	16.2	16.2	70.8	70.8	5.0	4.9	8.7	9.9	4	3	89	91	821364	806818	<0.2	<0.2	3.7	3.1
						1.0	0.4	287	29.2		7.7		16.2		70.8		5.0		8.7		4		89				<0.2		3.7	
					Middle	4.0	0.3	292	28.9	28.9	7.7	7.7	18.4	18.4	67.9	67.8	4.7		8.2		2		92				<0.2		3.0	
						4.0	0.3	317	28.9		7.7		18.4		67.7		4.7		8.4		3		92				<0.2		2.9	
					Bottom	6.9	0.1	226	28.7	28.7	7.8	7.8	20.6	20.9	64.2	64.8	4.4	4.5	12.2		3		93				<0.2		2.7	
						6.9	0.1	231	28.6		7.8		21.2		65.3		4.5		13.1		2		93				<0.2		2.5	
IM8	Cloudy	Moderate	13:29	7.8	Surface	1.0	0.3	191	29.5	29.5	7.7	7.7	15.0	15.0	69.9	69.9	4.9	4.9	6.4	6.3	3	5	89	91	821696	807821	<0.2	<0.2	3.4	3.6
						1.0	0.3	200	29.4		7.7		15.0		69.8		4.9		6.4		3		88				<0.2		3.4	
					Middle	3.9	0.2	245	29.2	29.2	7.7	7.7	17.1	17.2	70.1	70.2	4.9		6.2		2		92				<0.2		3.5	
						3.9	0.2	261	29.2		7.7		17.2		70.2		4.9		6.2		4		91				<0.2		4.1	
					Bottom	6.8	0.2	228	29.2	29.2	7.7	7.7	18.9	18.9	76.8	77.2	5.3	5.3	6.2		8		93				<0.2		3.7	
						6.8	0.2	246	29.2		7.7		18.9		77.5		5.3		6.3		8		94				<0.2		3.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 September 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	13:38	7.1	Surface	1.0	0.1	183	29.6	29.6	7.8	7.8	15.7	15.7	71.9	71.9	5.0	5.0	6.3	7.3	3	4	88	91	822108	808808	<0.2	<0.2	3.0	3.0
						1.0	0.1	184	29.6		7.8		15.7		71.9		5.0		6.3		5		88				<0.2		3.0	
					Middle	3.6	0.1	200	29.4	29.4	7.7	7.7	18.5	18.5	72.2	72.3	5.0		6.9		4		91				<0.2		3.0	
						3.6	0.1	212	29.4		7.7		18.5		72.4		5.0		7.0		4		91				<0.2		3.3	
					Bottom	6.1	0.1	27	29.4	29.4	7.7	7.7	19.3	19.3	81.2	81.5	5.6	5.6	8.6		4		94				<0.2		2.8	
						6.1	0.1	29	29.4		7.7		19.3		81.8		5.6		8.8		6		93				<0.2		3.1	
IM10	Cloudy	Moderate	13:46	7.2	Surface	1.0	0.1	310	29.4	29.4	7.9	7.9	17.5	17.5	79.0	78.9	5.5	5.4	8.0	7.3	7	7	87	90	822251	809851	<0.2	<0.2	3.0	2.9
						1.0	0.1	329	29.4		7.9		17.5		78.7		5.5		8.2		5		87				<0.2		3.0	
					Middle	3.6	0.2	342	29.3	29.3	7.9	7.9	17.9	17.9	76.0	76.0	5.3		7.9		6		90				<0.2		2.8	
						3.6	0.2	315	29.3		7.9		17.9		75.9		5.3		7.7		6		90				<0.2		2.9	
					Bottom	6.2	0.3	332	29.0	29.1	7.9	7.9	21.1	21.1	80.9	82.8	5.5	5.7	5.8		9		94				<0.2		2.8	
						6.2	0.3	359	29.1		7.9		21.1		84.6		5.8		5.9		7		93				<0.2		2.8	
IM11	Cloudy	Moderate	14:04	8.3	Surface	1.0	0.2	307	29.4	29.4	8.1	8.1	18.7	18.7	84.8	84.5	5.8	5.7	4.8	5.7	5	6	87	89	821520	810546	<0.2	<0.2	2.7	2.5
						1.0	0.2	323	29.4		8.1		18.7		84.1		5.8		4.9		5		87				<0.2		2.6	
					Middle	4.2	0.3	307	29.1	29.1	8.0	8.0	19.2	19.3	81.8	81.7	5.6		6.2		8		88				<0.2		2.4	
						4.2	0.3	308	29.1		8.0		19.3		81.6		5.6		6.3		6		89				<0.2		2.4	
					Bottom	7.3	0.4	303	28.9	28.9	8.0	8.0	22.2	22.1	87.5	87.7	6.0	6.0	6.0		6		92				<0.2		2.3	
						7.3	0.4	331	28.9		8.0		22.0		87.9		6.0		5.7		6		91				<0.2		2.3	
IM12	Cloudy	Moderate	14:13	6.9	Surface	1.0	0.3	289	29.2	29.2	8.1	8.1	19.4	19.4	83.8	83.7	5.8	5.6	4.7	6.0	8	8	87	89	821149	811524	<0.2	<0.2	2.2	2.2
						1.0	0.3	293	29.1		8.1		19.4		83.6		5.8		4.8		8		86				<0.2		2.3	
					Middle	3.5	0.4	281	28.9	28.9	8.1	8.1	20.4	20.5	78.5	78.4	5.4		5.9		9		89				<0.2		2.4	
						3.5	0.4	298	28.9		8.1		20.5		78.3		5.4		6.0		7		89				<0.2		2.1	
					Bottom	5.9	0.3	287	28.6	28.6	8.1	8.1	23.7	23.8	83.2	83.5	5.6	5.7	7.2		10		91				<0.2		2.0	
						5.9	0.3	289	28.6		8.1		23.8		83.7		5.7		7.2		8		92				<0.2		2.0	
SR2	Cloudy	Moderate	14:51	5.1	Surface	1.0	0.4	328	29.0	29.0	8.1	8.1	21.4	21.4	84.4	84.4	5.8	5.8	6.2	8.4	6	7	87	90	821448	814171	<0.2	<0.2	1.8	1.8
						1.0	0.4	336	29.0		8.1		21.4		84.3		5.8		6.3		7		87				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	339	28.9	28.9	8.1	8.1	22.0	22.0	85.9	86.1	5.9	5.9	10.6		8		92				<0.2		1.8	
						4.1	0.2	352	28.9		8.1		22.0		86.3		5.9		10.6		6		93				<0.2		1.8	
SR3	Cloudy	Moderate	13:24	8.6	Surface	1.0	0.4	178	29.5	29.5	7.7	7.7	14.2	14.1	66.2	66.2	4.7	4.6	6.8	6.4	8	8	-	-	822139	807551	-	-	-	-
						1.0	0.5	178	29.5		7.7		14.0		66.1		4.7		6.7		8		-				-		-	
					Middle	4.3	0.2	240	29.3	29.3	7.7	7.7	17.5	17.5	64.0	64.0	4.4		6.2		8		-				-		-	
						4.3	0.2	250	29.3		7.7		17.5		63.9		4.4		6.2		8		-				-		-	
					Bottom	7.6	0.1	262	29.0	29.0	7.7	7.7	20.3	20.3	66.0	66.2	4.5	4.6	6.2		7		-				-		-	
						7.6	0.1	280	29.0		7.7		20.3		66.3		4.6		6.2		7		-				-		-	
SR4A	Cloudy	Moderate	14:43	9.2	Surface	1.0	0.1	82	28.9	28.9	8.0	8.0	21.5	21.5	94.6	94.2	6.5	6.2	8.9	11.9	6	7	-	-	817175	807814	-	-	-	-
						1.0	0.1	82	28.9		8.0		21.5		93.8		6.4		9.0		6		-				-		-	
					Middle	4.6	0.1	76	28.8	28.8	8.0	8.0	22.1	22.1	86.0	86.0	5.9		10.6		5		-				-		-	
						4.6	0.1	80	28.8		8.0		22.1		85.9		5.9		10.6		7		-				-		-	
					Bottom	8.2	0.2	58	28.5	28.5	7.9	7.9	24.0	24.0	78.2	78.6	5.3	5.4	15.8		10		-				-		-	
						8.2	0.2	61	28.5		7.9		24.0		79.0		5.4		16.5		8		-				-		-	
SR5A	Cloudy	Moderate	15:01	5.2	Surface	1.0	0.1	302	29.0	29.0	8.0	8.0	21.8	21.8	92.6	92.0	6.3	6.3	9.3	10.8	7	8	-	-	816604	810684	-	-	-	-
						1.0	0.1	305	29.0		8.0		21.8		91.3		6.2		9.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	326	28.7	28.7	7.9	7.9	22.5	22.5	83.8	83.9	5.7	5.7	12.2		7		-				-		-	
						4.2	0.1	357	28.7		7.9		22.5		83.9		5.7		12.2		9		-				-		-	
SR6	Cloudy	Moderate	15:27	4.7	Surface	1.0	0.2	251	28.9	28.9	7.9	7.9	21.2	21.2	89.5	89.5	6.1	6.1	9.6	13.3	14	13	-	-	817907	814665	-	-	-	-
						1.0	0.2	272	28.9		7.9		21.2		89.4		6.1		9.5		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	55	28.9	28.9	7.9	7.9	22.1	22.1	79.1	79.2	5.4	5.4	16.9		12		-				-		-	
						3.7	0.0	57	28.9		7.9		22.1		79.3		5.4		17.0		13		-				-		-	
SR7	Cloudy	Moderate	15:54	16.8	Surface	1.0	0.1	261	28.3	28.3	8.1	8.1	26.2	26.3	71.3	71.3	5.0	5.0	4.8	4.6	6	6	-	-	823650	823757	-	-	-	-
						1.0	0.1	282	28.3		8.1		26.3		71.3		5.0		4.8		7		-				-		-	
					Middle	8.4	0.1	203	28.1	28.1	8.0	8.0	27.2	27.3	72.1	72.2	5.0		5.0		5		-				-		-	
						8.4	0.1	205	28.1		8.0		27.3		72.3		5.0		5.1		5		-				-		-	
					Bottom	15.8	0.1	293	28.2	28.2	7.9	7.9	27.4	27.4	77.8	78.0	5.2	5.2	3.8		6		-				-		-	
						15.8	0.2	307	28.2		7.9		27.4		78.2		5.2		3.8		6		-				-		-	
SR8	Cloudy	Moderate	14:22	4.5	Surface	1.0	0.0	0	29.0	29.0	8.1	8.1	19.5	19.5	79.2	79.2	5.5	5.5	10.0	11.0	5	6	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	29.0		8.1		19.5		79.2		5.5		10.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	0	28.8	28.8	8.1	8.1	21.5	21.5	84.8	85.0	5.8	5.8	11.9		7		-				-		-	
						3.5	0.0	0	28.8		8.1		21.5		85.2		5.8		11.8		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 16 September 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	10:07	8.8	Surface	1.0	0.7	198	29.1	29.1	7.7	7.7	12.9	12.9	83.6	83.6	6.0	5.5	16.0	19.5	5	4	87	88	815608	804254	<0.2	<0.2	1.9	2.1
						1.0	0.7	199	29.1		7.7		12.9		83.5		6.0		16.0		4		87				<0.2		2.3	
					Middle	4.4	0.7	198	28.3	28.3	7.8	7.8	25.3	25.3	72.1	72.1	4.9		18.3		3		86				<0.2		2.3	
						4.4	0.7	215	28.3		7.8		25.3		72.1		4.9		18.4		3		86				<0.2		2.5	
					Bottom	7.8	0.5	210	28.2	28.2	7.8	7.8	27.0	27.0	70.2	70.3	4.7	4.7	24.6		4		91				<0.2		1.6	
						7.8	0.5	211	28.2		7.8		27.0		70.3		4.7		23.9		3		92				<0.2		1.7	
C2	Cloudy	Moderate	11:27	11.2	Surface	1.0	1.3	168	30.0	30.0	7.7	7.7	11.4	11.4	68.5	68.5	4.9	4.5	8.4	12.4	5	5	84	88	825678	806939	<0.2	<0.2	3.1	3.0
						1.0	1.3	171	30.0		7.7		11.4		68.5		4.9		8.4		6		83				<0.2		3.0	
					Middle	5.6	0.7	166	28.6	28.6	7.9	7.9	25.3	25.3	59.5	59.5	4.0		12.5		5		89				<0.2		2.9	
						5.6	0.8	169	28.6		7.9		25.3		59.5		4.0		12.5		5		89				<0.2		3.0	
					Bottom	10.2	0.3	146	28.5	28.5	7.8	7.8	25.8	25.8	58.5	58.5	3.9	3.9	16.2		5		91				<0.2		3.0	
						10.2	0.3	154	28.5		7.8		25.8		58.5		3.9		16.2		4		92				<0.2		3.0	
C3	Cloudy	Moderate	08:47	12.3	Surface	1.0	0.2	104	29.1	29.1	7.5	7.5	19.2	19.2	77.1	77.1	5.3	5.2	4.0	7.0	3	3	88	91	822110	817809	<0.2	<0.2	3.1	2.8
						1.0	0.2	107	29.1		7.5		19.2		77.1		5.3		4.0		3		89				<0.2		2.7	
					Middle	6.2	0.3	58	29.0	29.0	7.5	7.5	21.9	21.9	74.4	74.4	5.1		5.8		3		91				<0.2		2.9	
						6.2	0.3	62	29.0		7.5		21.9		74.4		5.1		5.8		4		91				<0.2		2.7	
					Bottom	11.3	0.3	85	28.3	28.3	7.4	7.4	26.3	26.3	70.0	70.0	4.7	4.7	11.2		3		94				<0.2		2.7	
						11.3	0.3	91	28.3		7.4		26.3		70.0		4.7		11.2		4		94				<0.2		2.4	
IM1	Cloudy	Moderate	10:33	7.0	Surface	1.0	0.7	212	28.9	28.9	7.8	7.8	18.3	18.3	79.8	79.8	5.6	5.2	15.8	19.3	4	5	91	91	818341	806474	<0.2	<0.2	2.4	2.0
						1.0	0.7	232	28.9		7.8		18.3		79.8		5.6		15.8		4		91				<0.2		2.0	
					Middle	3.5	0.4	207	28.3	28.3	7.8	7.8	25.2	25.2	71.4	71.4	4.8		20.0		5		89				<0.2		2.0	
						3.5	0.4	222	28.3		7.8		25.1		71.3		4.8		20.3		5		89				<0.2		1.9	
					Bottom	6.0	0.1	193	28.2	28.2	7.9	7.9	26.3	26.3	71.4	71.5	4.8	4.8	22.1		5		94				<0.2		2.0	
						6.0	0.2	205	28.2		7.9		26.3		71.5		4.8		22.0		6		94				<0.2		1.9	
IM2	Cloudy	Moderate	10:42	8.4	Surface	1.0	0.8	189	29.4	29.4	7.7	7.7	14.1	14.1	81.2	81.1	5.7	5.5	16.0	18.4	5	6	86	89	818842	806185	<0.2	<0.2	2.8	2.4
						1.0	0.8	202	29.4		7.7		14.0		81.0		5.7		16.0		5		86				<0.2		2.8	
					Middle	4.2	0.7	198	28.7	28.7	7.9	7.9	20.5	20.5	76.0	75.9	5.2		17.3		4		87				<0.2		2.7	
						4.2	0.7	200	28.7		7.9		20.4		75.8		5.2		17.3		4		88				<0.2		2.8	
					Bottom	7.4	0.4	183	28.4	28.4	7.8	7.8	23.8	23.9	72.7	72.8	5.0	5.0	21.9		10		92				<0.2		1.6	
						7.4	0.5	191	28.4		7.8		23.9		72.8		5.0		22.1		10		92				<0.2		1.6	
IM3	Cloudy	Moderate	10:52	8.2	Surface	1.0	0.8	194	29.4	29.4	7.7	7.7	13.5	13.5	78.3	78.4	5.6	5.5	17.4	18.1	4	5	82	87	819405	805999	<0.2	<0.2	2.8	2.6
						1.0	0.8	212	29.4		7.7		13.4		78.4		5.6		17.4		5		92				<0.2		3.0	
					Middle	4.1	0.7	211	29.1	29.1	7.7	7.7	16.4	16.4	77.6	77.6	5.4		16.4		6		89				<0.2		2.4	
						4.1	0.7	230	29.1		7.7		16.4		77.6		5.4		16.4		6		89				<0.2		2.4	
					Bottom	7.2	0.6	204	28.8	28.8	7.8	7.8	19.8	20.0	74.8	74.9	5.2	5.2	20.4		5		86				<0.2		2.4	
						7.2	0.6	214	28.8		7.8		20.1		75.0		5.2		20.5		5		86				<0.2		2.4	
IM4	Cloudy	Moderate	11:01	7.6	Surface	1.0	0.7	207	29.3	29.4	7.7	7.7	13.5	13.5	76.4	76.4	5.4	5.3	18.4	20.6	5	7	86	89	819571	805031	<0.2	<0.2	2.5	2.3
						1.0	0.8	216	29.4		7.7		13.5		76.3		5.4		18.4		5		86				<0.2		2.6	
					Middle	3.8	0.5	228	28.6	28.6	7.8	7.8	21.3	21.3	74.1	74.1	5.1		21.0		6		87				<0.2		2.3	
						3.8	0.5	250	28.6		7.8		21.2		74.1		5.1		21.1		7		88				<0.2		2.4	
					Bottom	6.6	0.4	203	28.4	28.4	7.8	7.8	24.2	24.2	71.8	71.9	4.9	4.9	22.3		10		92				<0.2		1.9	
						6.6	0.4	218	28.4		7.8		24.2		71.9		4.9		22.5		9		92				<0.2		1.9	
IM5	Cloudy	Moderate	11:15	7.4	Surface	1.0	0.5	215	28.9	28.9	7.7	7.7	19.1	19.1	68.5	68.5	4.8	4.6	17.9	19.2	3	6	84	87	820578	804918	<0.2	<0.2	2.8	2.2
						1.0	0.5	231	28.9		7.7		19.0		68.4		4.7		18.0		3		84				<0.2		2.7	
					Middle	3.7	0.3	268	28.4	28.4	7.7	7.7	23.5	23.5	65.6	65.6	4.5		19.9		6		83				<0.2		2.1	
						3.7	0.3	270	28.4		7.7		23.5		65.6		4.5		19.9		5		83				<0.2		2.1	
					Bottom	6.4	0.3	267	28.4	28.4	7.7	7.7	23.6	23.6	66.3	66.4	4.5	4.5	19.6		9		95				<0.2		1.6	
						6.4	0.3	267	28.4		7.7		23.6		66.5		4.5		19.6		7		95				<0.2		1.6	
IM6	Cloudy	Moderate	11:22	7.3	Surface	1.0	0.5	233	29.0	29.0	7.7	7.7	17.8	17.8	69.3	69.3	4.8	4.7	17.5	19.4	3	6	89	89	821048	805836	<0.2	<0.2	2.8	2.0
						1.0	0.6	235	29.0		7.7		17.7		69.2		4.8		17.5		4		89				<0.2		2.6	
					Middle	3.7	0.4	262	28.4	28.4	7.8	7.8	23.3	23.3	66.9	67.0	4.6		20.4		6		91				<0.2		1.8	
						3.7	0.4	276	28.4		7.8		23.3		67.0		4.6		20.4		6		92				<0.2		1.8	
					Bottom	6.3	0.4	270	28.4	28.4	7.8	7.8	23.5	23.5	68.5	68.6	4.7	4.7	20.2		9		87				<0.2		1.5	
						6.3	0.4	295	28.4		7.8		23.5		68.6		4.7		20.2		8		87				<0.2		1.4	
IM7	Cloudy	Moderate	11:29	8.0	Surface	1.0	0.6	202	29.2	29.2	7.7	7.7	16.6	16.6	70.7	70.7	5.0	4.8	17.6	19.9	4	5	82	87	821352	806817	<0.2	<0.2	2.6	2.1
						1.0	0.7	214	29.2		7.7		16.6		70.7		4.9		17.7		4		82				<0.2		2.5	
					Middle	4.0	0.3	230	28.5	28.5	7.8	7.8	23.0	23.0	67.5	67.5	4.6		21.2		5		90				<0.2		2.1	
						4.0	0.4	237	28.5		7.8		23.0		67.5		4.6		21.2		5		90				<0.2		2.1	
					Bottom	7.0	0.3	248	28.4	28.4	7.8	7.8	23.5	23.5	68.5	68.5	4.7	4.7	20.7		5		88				<0.2		1.7	
						7.0	0.3	272	28.4		7.8		23.5		68.5		4.7		20.7		4		88				<0.2		1.5	
IM8	Cloudy	Moderate	10:53	8.0	Surface	1.0	0.7	179	30.0	30.0	8.0	8.0	9.4	9.4	72.6	72.6	5.2	5.0	9.1	10.6	5	3	82	87	821683	807842	<0.2	<0.2	3.2	3.0
						1.0	0.7	188	30.0		8.0		9.4		72.6		5.2		9.1		3		81				<0.2		2.9	
					Middle	4.0	0.3	230	28.7	28.7	8.1	8.1	22.6	22.6	69.5	69.5	4.7		11.2		3		89				<0.2		2.9	
						4.0	0.3	239	28.7		8.1		22.6		69.5		4.7		11.2		3		88				<0.2		2.9	
					Bottom	7.0	0.3	234	28.7	28.7	8.1	8.1	23.1	23.1	72.0	72.0	4.9	4.9	11.6		3		91				<0.2		2.9	
						7.0	0.3	244	28.7		8.1		23.1		72.0		4.9		11.6		3		90				<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 16 September 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	10:45	7.0	Surface	1.0	0.6	155	29.7	29.7	8.0	8.0	10.8	10.8	72.1	72.1	5.2	5.1	8.4	10.5	2	3	82	87	822097	808820	<0.2	<0.2	2.9	2.9
						1.0	0.6	163	29.7		8.0		10.8		72.1		5.2		8.4		2		82				<0.2		3.0	
					Middle	3.5	0.4	133	28.9	28.9	8.0	8.0	21.7	21.7	70.9	70.9	4.9		10.0		2		88				<0.2		3.2	
						3.5	0.4	137	28.9		8.0		21.7		70.9		4.9		10.0		3		89				<0.2		2.8	
					Bottom	6.0	0.3	128	28.9	28.9	8.0	8.0	23.0	23.0	79.8	79.8	5.4	5.4	13.2		4		91				<0.2		2.7	
						6.0	0.3	137	28.9		8.0		23.0		79.8		5.4		13.2		2		91				<0.2		2.7	
IM10	Cloudy	Moderate	10:37	6.4	Surface	1.0	0.7	130	29.8	29.8	7.9	7.9	12.0	12.0	74.8	74.8	5.3	5.0	7.9	11.0	<2	<u>≤2</u>	83	88	822242	809830	<0.2	<0.2	3.7	3.2
						1.0	0.7	138	29.8		7.9		12.0		74.8		5.3		7.9		<2		84				<0.2		3.6	
					Middle	3.2	0.5	110	28.7	28.7	8.0	8.0	22.1	22.1	68.1	68.1	4.7		12.3		<2		90				<0.2		3.0	
						3.2	0.6	117	28.7		8.0		22.1		68.1		4.7		12.3		<2		89				<0.2		2.8	
					Bottom	5.4	0.4	105	28.7	28.7	8.1	8.1	23.2	23.2	71.5	71.5	4.9	4.9	12.9		<2		91				<0.2		2.9	
						5.4	0.4	106	28.7		8.1		23.2		71.5		4.9		12.9		<2		91				<0.2		2.9	
IM11	Cloudy	Moderate	10:16	8.0	Surface	1.0	0.6	105	29.5	29.5	8.0	8.0	14.7	14.7	74.6	74.6	5.3	5.2	8.2	10.3	<2	5	87	89	821487	810526	<0.2	<0.2	2.6	2.6
						1.0	0.6	109	29.5		8.0		14.7		74.6		5.3		8.2		<2		87				<0.2		2.7	
					Middle	4.0	0.4	97	29.1	29.1	8.0	8.0	17.5	17.5	71.1	71.1	5.0		10.6		5		88				<0.2		2.7	
						4.0	0.4	103	29.1		8.0		17.5		71.1		5.0		10.6		5		89				<0.2		2.7	
					Bottom	7.0	0.2	91	28.9	28.9	8.1	8.1	21.1	21.1	71.6	71.6	4.9	4.9	12.2		8		91				<0.2		2.5	
						7.0	0.2	96	28.9		8.1		21.1		71.6		4.9		12.2		8		92				<0.2		2.6	
IM12	Cloudy	Moderate	10:05	8.5	Surface	1.0	0.5	98	29.5	29.5	7.8	7.8	14.1	14.1	76.9	76.9	5.4	5.2	7.2	10.3	2	8	87	89	821157	811532	<0.2	<0.2	2.4	2.2
						1.0	0.6	107	29.5		7.8		14.1		76.9		5.4		7.2		3		88				<0.2		2.4	
					Middle	4.3	0.7	110	29.2	29.2	7.8	7.8	18.0	18.0	71.6	71.6	5.0		10.5		3		90				<0.2		2.2	
						4.3	0.7	110	29.2		7.8		18.0		71.6		5.0		10.5		3		89				<0.2		2.2	
					Bottom	7.5	0.3	101	28.7	28.7	7.6	7.6	23.1	23.1	67.1	67.1	4.6	4.6	13.2		20		91				<0.2		1.9	
						7.5	0.3	105	28.7		7.6		23.1		67.1		4.6		13.2		19		91				<0.2		1.8	
SR2	Cloudy	Moderate	09:24	4.5	Surface	1.0	0.4	73	29.5	29.5	7.4	7.4	15.4	15.4	75.0	75.0	5.3	5.3	4.9	5.0	2	2	88	91	821453	814172	<0.2	<0.2	3.3	3.2
						1.0	0.4	74	29.5		7.4		15.4		75.0		5.3		4.9		2		88				<0.2		3.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	69	29.2	29.2	7.4	7.4	19.2	19.2	71.3	71.3	4.9	4.9	5.1		2		93				<0.2		3.0	
						3.5	0.2	73	29.2		7.4		19.2		71.3		4.9		5.1		3		94				<0.2		3.1	
SR3	Cloudy	Moderate	10:59	8.2	Surface	1.0	0.6	179	30.8	30.8	8.0	8.0	5.3	5.3	91.2	91.2	6.6	5.6	8.6	9.2	4	4	-	-	822141	807568	-	-	-	-
						1.0	0.6	196	30.8		8.0		5.3		91.2		6.6		8.6		4		-				-		-	
					Middle	4.1	0.2	206	28.8	28.8	8.1	8.1	22.4	22.4	67.8	67.8	4.6		9.8		4		-				-		-	
						4.1	0.2	222	28.8		8.1		22.4		67.8		4.6		9.8		5		-				-		-	
					Bottom	7.2	0.0	316	28.8	28.8	8.1	8.1	22.8	22.8	71.3	71.3	4.9	4.9	9.1		3		-				-		-	
						7.2	0.0	318	28.8		8.1		22.8		71.3		4.9		9.1		3		-				-		-	
SR4A	Cloudy	Calm	09:45	9.6	Surface	1.0	0.2	83	28.8	28.8	7.8	7.8	16.5	16.5	82.7	82.7	5.8	5.4	15.1	23.3	4	5	-	-	817203	807806	-	-	-	-
						1.0	0.3	88	28.8		7.8		16.5		82.6		5.8		15.1		3		-				-		-	
					Middle	4.8	0.3	73	28.3	28.3	7.8	7.8	24.7	24.7	72.0	72.0	4.9		24.5		4		-				-		-	
						4.8	0.3	73	28.3		7.8		24.7		72.0		4.9		24.6		4		-				-		-	
					Bottom	8.6	0.2	74	28.3	28.3	7.8	7.8	24.8	24.8	73.2	73.3	5.0	5.0	30.1		6		-				-		-	
						8.6	0.2	79	28.3		7.8		24.8		73.3		5.0		30.1		7		-				-		-	
SR5A	Cloudy	Calm	09:26	5.2	Surface	1.0	0.0	44	28.7	28.7	7.8	7.8	19.5	19.5	85.1	85.0	5.9	5.9	15.3	16.1	3	4	-	-	816606	810710	-	-	-	-
						1.0	0.0	48	28.7		7.8		19.5		84.9		5.9		15.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	346	28.7	28.7	7.8	7.8	21.7	21.7	79.7	79.9	5.5	5.5	16.8		5		-				-		-	
						4.2	0.0	318	28.7		7.8		21.7		80.1		5.5		17.0		4		-				-		-	
SR6	Cloudy	Moderate	09:00	4.6	Surface	1.0	0.1	82	28.7	28.7	7.7	7.7	18.7	18.7	81.3	81.5	5.7	5.7	14.1	17.9	4	3	-	-	817883	814669	-	-	-	-
						1.0	0.1	85	28.7		7.7		18.7		81.6		5.7		14.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	88	29.1	29.1	7.8	7.8	21.2	21.2	90.9	90.9	6.2	6.2	21.7		3		-				-		-	
						3.6	0.1	95	29.1		7.8		21.2		90.9		6.2		21.7		2		-				-		-	
SR7	Cloudy	Moderate	08:06	16.2	Surface	1.0	0.3	95	29.0	29.0	7.4	7.4	19.5	19.5	79.8	79.8	5.5	5.2	2.7	4.3	2	2	-	-	823623	823759	-	-	-	-
						1.0	0.3	99	29.0		7.4		19.5		79.8		5.5		2.7		3		-				-		-	
					Middle	8.1	0.3	288	28.9	28.9	7.4	7.4	20.2	20.2	69.9	69.9	4.8		3.5		2		-				-		-	
						8.1	0.3	313	28.9		7.4		20.2		69.9		4.8		3.5		3		-				-		-	
					Bottom	15.2	0.8	287	27.6	27.6	7.4	7.4	30.2	30.2	62.3	62.3	4.2	4.2	6.8		2		-				-		-	
						15.2	0.8	299	27.6		7.4		30.2		62.3		4.2		6.8		2		-				-		-	
SR8	Cloudy	Moderate	09:53	4.2	Surface	1.0	-	-	29.4	29.4	7.8	7.8	14.6	14.6	80.2	80.2	5.7	5.7	6.5	7.1	3	3	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.4		7.8		14.6		80.2		5.7		6.5		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.5	29.5	7.7	7.7	17.3	17.3	79.3	79.3	5.5	5.5	7.6		3		-				-		-	
						3.2	-	-	29.5		7.7		17.3		79.3		5.5		7.6		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 September 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	16:47	8.2	Surface	1.0	0.3	28	30.1	30.1	7.8	7.8	15.2	15.2	80.0	79.9	5.6	5.3	18.3	23.8	5	7	87	89	815636	804247	<0.2	<0.2	2.2	1.9
						1.0	0.3	29	30.1		7.8		15.2		79.7		5.5		18.6		5		87				<0.2		2.0	
					Middle	4.1	0.5	19	28.6	28.6	7.8	7.8	23.1	23.4	73.2	73.3	5.0		24.3		6		86				<0.2		2.1	
						4.1	0.5	20	28.6		7.8		23.7		73.4		5.0		24.4		5		86				<0.2		2.0	
					Bottom	7.2	0.5	23	28.4	28.4	7.8	7.8	24.8	24.9	72.2	72.3	4.9	4.9	28.5		9		93				<0.2		1.4	
						7.2	0.5	23	28.4		7.8		24.9		72.4		4.9		28.4		9		93				<0.2		1.4	
C2	Cloudy	Moderate	15:32	11.2	Surface	1.0	0.4	194	30.0	30.0	7.0	7.0	12.9	12.9	61.0	61.0	4.3	4.1	11.2	9.3	12	12	84	88	825672	806957	<0.2	<0.2	3.3	3.4
						1.0	0.4	199	30.0		7.0		12.9		61.0		4.3		11.2		12		83				<0.2		3.3	
					Middle	5.6	0.3	7	28.8	28.8	7.1	7.1	22.5	22.5	57.9	57.9	3.9		7.8		12		89				<0.2		3.0	
						5.6	0.3	7	28.8		7.1		22.5		57.9		3.9		7.8		12		89				<0.2		3.4	
					Bottom	10.2	0.4	319	28.6	28.6	7.2	7.2	25.3	25.3	60.8	60.8	4.1	4.1	8.8		11		91				<0.2		3.6	
						10.2	0.4	320	28.6		7.2		25.3		60.8		4.1		8.8		12		92				<0.2		3.6	
C3	Cloudy	Moderate	17:36	11.5	Surface	1.0	0.3	237	29.2	29.2	7.8	7.8	20.8	20.8	76.4	76.4	5.2	4.9	6.8	9.2	3	4	88	91	822092	817815	<0.2	<0.2	2.3	2.4
						1.0	0.3	245	29.2		7.8		20.8		76.4		5.2		6.8		2		89				<0.2		2.5	
					Middle	5.8	0.4	257	28.6	28.6	7.8	7.8	24.7	24.7	67.9	67.9	4.6		9.2		4		91				<0.2		2.5	
						5.8	0.5	280	28.6		7.8		24.7		67.9		4.6		9.2		5		91				<0.2		2.8	
					Bottom	10.5	0.2	251	28.0	28.0	7.6	7.6	28.0	28.0	66.1	66.1	4.4	4.4	11.5		4		95				<0.2		2.1	
						10.5	0.2	261	28.0		7.6		28.0		66.1		4.4		11.5		3		94				<0.2		2.0	
IM1	Cloudy	Moderate	16:27	7.0	Surface	1.0	0.3	334	29.9	29.9	7.8	7.8	16.3	16.3	86.6	86.6	6.0	5.9	17.3	22.4	4	5	90	92	818364	806463	<0.2	<0.2	2.2	2.1
						1.0	0.3	344	29.9		7.8		16.3		86.6		6.0		17.4		4		90				<0.2		2.0	
					Middle	3.5	0.4	337	29.7	29.7	7.9	7.9	17.6	17.6	83.9	83.9	5.8		19.1		5		91				<0.2		2.0	
						3.5	0.5	310	29.7		7.9		17.5		83.9		5.8		19.5		5		91				<0.2		2.0	
					Bottom	6.0	0.3	346	28.7	28.8	7.8	7.8	22.9	22.5	76.2	76.6	5.2	5.3	30.6		6		94				<0.2		2.1	
						6.0	0.3	318	28.8		7.8		22.0		77.0		5.3		30.7		6		94				<0.2		2.2	
IM2	Cloudy	Moderate	16:19	7.8	Surface	1.0	0.2	317	30.1	30.1	7.8	7.8	14.9	14.9	84.4	84.4	5.9	5.9	17.6	20.3	5	7	85	88	818853	806200	<0.2	<0.2	2.4	2.3
						1.0	0.2	329	30.1		7.8		14.8		84.4		5.9		17.7		6		85				<0.2		2.4	
					Middle	3.9	0.3	358	29.3	29.3	7.8	7.8	18.4	18.4	83.2	83.2	5.8		19.7		8		86				<0.2		2.0	
						3.9	0.3	329	29.3		7.8		18.4		83.2		5.8		19.7		6		87				<0.2		2.1	
					Bottom	6.8	0.4	39	28.9	28.9	7.8	7.8	21.2	21.3	79.4	79.4	5.4	5.4	23.4		6		92				<0.2		2.2	
						6.8	0.4	40	28.9		7.8		21.4		79.4		5.4		23.6		8		92				<0.2		2.4	
IM3	Cloudy	Moderate	16:11	8.1	Surface	1.0	0.2	297	30.0	30.0	7.7	7.7	13.5	13.5	78.1	78.1	5.5	5.4	19.0	21.4	6	8	87	91	819419	806015	<0.2	<0.2	2.8	2.4
						1.0	0.2	306	30.0		7.7		13.5		78.1		5.5		19.0		5		88				<0.2		2.5	
					Middle	4.1	0.3	359	29.3	29.3	7.8	7.8	17.9	17.9	75.5	75.5	5.2		21.0		8		91				<0.2		2.3	
						4.1	0.3	330	29.3		7.8		17.9		75.5		5.2		21.0		8		91				<0.2		2.5	
					Bottom	7.1	0.3	26	28.9	28.9	7.8	7.8	20.3	20.4	72.3	72.3	5.0	5.0	24.2		10		94				<0.2		2.0	
						7.1	0.3	26	28.9		7.8		20.4		72.2		5.0		24.1		9		94				<0.2		2.3	
IM4	Cloudy	Moderate	16:01	7.4	Surface	1.0	0.3	306	29.4	29.4	7.7	7.7	16.4	16.4	71.0	71.0	5.0	4.9	21.8	22.5	9	11	86	90	819570	805022	<0.2	<0.2	2.5	2.2
						1.0	0.3	307	29.4		7.7		16.4		71.0		5.0		21.8		8		86				<0.2		2.6	
					Middle	3.7	0.3	348	29.0	29.0	7.8	7.8	19.3	19.3	69.0	69.0	4.8		20.5		10		91				<0.2		2.1	
						3.7	0.3	320	29.0		7.8		19.3		69.0		4.8		20.4		11		91				<0.2		2.3	
					Bottom	6.4	0.4	9	28.7	28.7	7.8	7.8	21.4	21.3	70.4	70.4	4.8	4.8	25.1		13		93				<0.2		1.9	
						6.4	0.4	9	28.7		7.8		21.2		70.4		4.8		25.2		14		94				<0.2		2.0	
IM5	Cloudy	Moderate	15:48	6.3	Surface	1.0	0.3	313	29.8	29.8	7.6	7.6	15.1	15.2	75.7	75.6	5.3	5.1	18.1	18.7	7	7	86	89	820571	804931	<0.2	<0.2	2.7	2.5
						1.0	0.3	340	29.8		7.6		15.2		75.5		5.3		18.2		6		86				<0.2		2.6	
					Middle	3.2	0.2	325	29.4	29.4	7.7	7.7	17.3	17.3	70.6	70.7	4.9		18.9		6		88				<0.2		2.4	
						3.2	0.2	326	29.4		7.7		17.3		70.7		4.9		18.9		7		89				<0.2		2.5	
					Bottom	5.3	0.2	326	29.1	29.1	7.6	7.6	18.8	18.7	69.3	69.6	4.8	4.8	19.2		8		91				<0.2		2.4	
						5.3	0.2	333	29.1		7.6		18.6		69.8		4.8		19.1		7		92				<0.2		2.2	
IM6	Cloudy	Moderate	15:40	6.0	Surface	1.0	0.5	318	29.8	29.8	7.6	7.6	14.5	14.5	72.6	72.6	5.1	5.0	19.1	18.7	6	7	88	91	821042	805816	<0.2	<0.2	2.5	2.5
						1.0	0.6	323	29.8		7.6		14.5		72.6		5.1		19.1		7		89				<0.2		2.7	
					Middle	3.0	0.4	316	29.2	29.2	7.6	7.6	18.3	18.3	68.7	68.7	4.8		18.0		7		91				<0.2		2.2	
						3.0	0.4	330	29.2		7.6		18.3		68.7		4.8		18.1		6		92				<0.2		2.4	
					Bottom	5.0	0.3	320	29.0	29.0	7.6	7.6	19.9	19.9	67.9	68.1	4.7	4.7	19.0		8		93				<0.2		2.4	
						5.0	0.3	335	29.0		7.6		19.9		68.2		4.7		18.9		6		94				<0.2		2.5	
IM7	Cloudy	Moderate	15:32	7.3	Surface	1.0	0.3	243	29.7	29.7	7.6	7.6	14.4	14.4	72.1	72.1	5.1	5.0	19.6	18.7	9	9	84	87	821332	806819	<0.2	<0.2	2.6	2.5
						1.0	0.3	255	29.7		7.6		14.4		72.1		5.1		19.7		8		84				<0.2		2.6	
					Middle	3.7	0.3	264	29.5	29.5	7.6	7.6	15.9	15.9	70.2	70.2	4.9		18.6		9		87				<0.2		2.5	
						3.7	0.3	283	29.5		7.6		15.9		70.2		4.9		18.5		9		87				<0.2		2.4	
					Bottom	6.3	0.1	250	29.1	29.1	7.6	7.6	19.3	19.3	67.0	67.1	4.6	4.6	17.8		7		91				<0.2		2.2	
						6.3	0.1	251	29.1		7.6		19.3		67.2		4.6		18.0		9		91				<0.2		2.4	
IM8	Cloudy	Moderate	15:57	7.7	Surface	1.0	0.3	219	30.5	30.5	7.2	7.2	12.2	12.2	76.7	76.7	5.4	5.2	10.2	11.6	8	8	82	85	821713	807827	<0.2	<0.2	3.3	3.3
						1.0	0.3	234	30.5		7.2		12.2		76.7		5.4		10.2		9		83				<0.2		3.0	
					Middle	3.9	0.2	252	30.3	30.3	7.2	7.2	13.1	13.1	71.9	71.9	5.0		10.9		8		83				<0.2		3.9	
						3.9	0.2	255	30.3		7.2		13.1		71.9		5.0		10.9		7		84				<0.2		3.6	
					Bottom	6.7	0.1	211	29.4	29.4	7.2	7.2	18.9	18.9	68.7	68.7	4.7	4.7	13.7		7		88				<0.2		2.8	
						6.7	0.1	215	29.4		7.2		18.9		68.7		4.7		13.7		9		87				<0.2		3.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 September 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	16:05	6.5	Surface	1.0	0.1	230	30.6	30.6	7.6	7.6	12.8	12.8	78.8	78.8	5.5	5.5	9.8	11.7	8	7	81	83	822077	808825	<0.2	<0.2	3.3	3.4
						1.0	0.1	242	30.6		7.6		12.8		78.8		5.5		9.8		7		81				<0.2		3.3	
					Middle	3.3	0.1	346	30.4	30.4	7.5	7.5	13.5	13.5	76.8	76.8	5.4		11.9		7		82				<0.2		3.2	
						3.3	0.1	318	30.4		7.5		13.5		76.7		5.4		11.9		7		82				<0.2		3.4	
					Bottom	5.5	0.1	87	30.2	30.2	7.5	7.5	14.2	14.2	74.3	74.3	5.2	5.2	13.5		8		85				<0.2		3.8	
						5.5	0.1	90	30.2		7.5		14.2		74.3		5.2		13.5		7		84				<0.2		3.1	
IM10	Cloudy	Moderate	16:12	6.9	Surface	1.0	0.2	11	30.5	30.5	7.8	7.8	14.1	14.1	78.2	78.2	5.4	5.2	8.7	9.1	6	7	84	87	822240	809855	<0.2	<0.2	2.9	2.9
						1.0	0.3	11	30.5		7.8		14.1		78.2		5.4		8.7		6		85				<0.2		3.1	
					Middle	3.5	0.3	353	29.9	29.9	7.8	7.8	15.6	15.6	70.5	70.5	4.9		8.9		7		86				<0.2		2.8	
						3.5	0.3	325	29.9		7.8		15.6		70.5		4.9		8.9		7		86				<0.2		2.8	
					Bottom	5.9	0.2	356	29.3	29.3	7.8	7.8	19.6	19.6	69.4	69.4	4.8	4.8	9.6		8		91				<0.2		2.9	
						5.9	0.2	328	29.3		7.8		19.6		69.4		4.8		9.6		8		92				<0.2		2.6	
IM11	Cloudy	Moderate	16:30	6.1	Surface	1.0	0.1	37	30.4	30.4	8.0	8.0	14.2	14.2	81.3	81.3	5.7	5.7	8.3	9.2	7	6	86	89	821519	810538	<0.2	<0.2	2.7	2.7
						1.0	0.1	38	30.4		8.0		14.2		81.3		5.7		8.3		6		85				<0.2		2.5	
					Middle	3.1	0.3	327	30.1	30.1	8.0	8.0	16.0	16.0	81.0	81.0	5.6		8.7		7		88				<0.2		2.6	
						3.1	0.3	353	30.1		8.0		16.0		81.0		5.6		8.7		5		89				<0.2		3.1	
					Bottom	5.1	0.6	324	29.6	29.6	8.0	8.0	20.7	20.7	80.7	80.7	5.5	5.5	10.6		6		92				<0.2		2.8	
						5.1	0.6	349	29.6		8.0		20.7		80.7		5.5		10.6		7		92				<0.2		2.7	
IM12	Cloudy	Moderate	16:37	8.2	Surface	1.0	0.4	280	30.0	30.0	8.2	8.2	16.5	16.5	87.7	87.7	6.1	5.8	8.1	9.6	5	6	87	90	821143	811532	<0.2	<0.2	2.8	2.7
						1.0	0.4	294	30.0		8.2		16.5		87.7		6.1		8.1		6		87				<0.2		2.9	
					Middle	4.1	0.5	280	29.3	29.3	8.1	8.1	22.3	22.3	79.0	79.1	5.4		10.8		6		89				<0.2		2.9	
						4.1	0.5	296	29.3		8.1		22.2		79.1		5.4		10.5		6		90				<0.2		2.6	
					Bottom	7.2	0.1	304	28.6	28.6	8.0	8.0	24.0	24.0	68.0	68.1	4.6	4.6	9.9		7		93				<0.2		2.5	
						7.2	0.1	309	28.6		8.0		24.0		68.2		4.6		9.9		8		93				<0.2		2.6	
SR2	Cloudy	Moderate	17:12	4.6	Surface	1.0	0.5	304	29.8	29.8	8.0	8.0	18.3	18.3	93.1	93.1	6.4	6.4	6.9	8.2	9	9	88	90	821476	814156	<0.2	<0.2	2.8	3.0
						1.0	0.5	330	29.8		8.0		18.3		93.1		6.4		6.9		9		89				<0.2		2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	283	29.8	29.8	7.9	7.9	18.8	18.8	93.2	93.2	6.4	6.4	9.5		9		91				<0.2		3.2	
						3.6	0.2	310	29.8		7.9		18.8		93.2		6.4		9.5		9		91				<0.2		3.4	
SR3	Cloudy	Moderate	15:50	8.0	Surface	1.0	0.3	229	30.4	30.4	7.1	7.1	12.9	12.9	77.8	77.8	5.4	5.2	8.8	11.4	5	7	-	-	822155	807580	-	-	-	-
						1.0	0.3	234	30.4		7.1		12.9		77.8		5.4		8.8		6		-				-		-	
					Middle	4.0	0.1	266	29.9	29.9	7.1	7.1	16.0	16.0	72.0	72.0	5.0		8.1		8		-				-		-	
						4.0	0.2	278	29.9		7.1		16.0		72.0		5.0		8.1		9		-				-		-	
					Bottom	7.0	0.2	228	29.5	29.5	7.1	7.1	18.8	18.8	73.5	73.5	5.1	5.1	17.2		7		-				-		-	
						7.0	0.2	245	29.5		7.1		18.8		73.5		5.1		17.2		8		-				-		-	
SR4A	Cloudy	Moderate	17:09	8.7	Surface	1.0	0.0	109	29.9	29.9	7.9	7.9	18.1	18.1	96.2	96.2	6.6	6.6	17.4	19.3	14	15	-	-	817186	807801	-	-	-	-
						1.0	0.0	109	29.9		7.9		18.1		96.2		6.6		17.4		12		-				-		-	
					Middle	4.4	0.1	240	29.5	29.5	7.9	7.9	20.4	20.4	95.0	95.1	6.5		18.9		16		-				-		-	
						4.4	0.2	254	29.5		7.9		20.4		95.1		6.5		18.9		15		-				-		-	
					Bottom	7.7	0.2	270	29.4	29.4	7.9	7.9	20.5	20.5	94.0	94.0	6.4	6.4	21.6		15		-				-		-	
						7.7	0.2	296	29.4		7.9		20.5		94.0		6.4		21.6		16		-				-		-	
SR5A	Cloudy	Moderate	17:26	4.7	Surface	1.0	0.1	284	29.8	29.8	8.0	8.0	19.8	19.8	115.2	115.2	7.8	7.8	17.4	18.6	9	8	-	-	816575	810700	-	-	-	-
						1.0	0.1	309	29.8		8.0		19.8		115.1		7.8		17.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	330	29.5	29.5	7.9	7.9	20.4	20.4	104.7	104.9	7.1	7.2	19.7		7		-				-		-	
						3.7	0.2	342	29.5		7.9		20.4		105.0		7.2		19.8		8		-				-		-	
SR6	Cloudy	Moderate	17:51	4.1	Surface	1.0	0.1	255	29.8	29.8	7.9	7.9	16.5	16.5	99.2	99.2	6.9	6.9	16.0	19.1	5	6	-	-	817885	814657	-	-	-	-
						1.0	0.1	269	29.8		7.9		16.5		99.1		6.9		16.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	149	29.6	29.6	7.8	7.8	18.1	18.1	94.2	94.3	6.5	6.5	22.2		6		-				-		-	
						3.1	0.1	151	29.6		7.8		18.1		94.3		6.5		22.1		6		-				-		-	
SR7	Cloudy	Moderate	18:09	16.2	Surface	1.0	0.1	180	28.6	28.6	7.8	7.8	25.3	25.3	72.0	72.0	4.9	5.1	6.8	10.3	5	7	-	-	823645	823745	-	-	-	-
						1.0	0.1	190	28.6		7.8		25.3		72.0		4.9		6.8		6		-				-		-	
					Middle	8.1	0.2	208	28.1	28.1	7.6	7.6	27.3	27.3	75.8	75.8	5.2		12.8		8		-				-		-	
						8.1	0.2	215	28.1		7.6		27.3		75.8		5.2		12.8		6		-				-		-	
					Bottom	15.2	0.2	174	27.8	27.8	7.5	7.5	29.4	29.4	67.2	67.2	4.5	4.5	11.2		7		-				-		-	
						15.2	0.2	178	27.8		7.5		29.4		67.2		4.5		11.2		8		-				-		-	
SR8	Cloudy	Moderate	16:47	4.2	Surface	1.0	0.0	0	29.5	29.5	8.2	8.2	17.8	17.8	74.8	74.8	5.2	5.2	13.0	15.3	7	6	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	29.5		8.2		17.8		74.8		5.2		13.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	0	29.2	29.2	8.2	8.2	20.3	20.3	76.2	76.2	5.2	5.2	17.6		5		-				-		-	
						3.2	0.0	0	29.2		8.2		20.3		76.2		5.2		17.6		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 September 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	12:31	8.8	Surface	1.0	0.7	241	29.7	29.7	8.1	8.1	21.5	21.5	76.8	76.8	5.2	5.0	12.5	25.9	5	6	72	74	815625	804244	<0.2	<0.2	1.2	1.2
						1.0	0.7	257	29.7		8.1		21.5		76.8		5.2		12.6		4		71				<0.2		1.2	
					Middle	4.4	0.7	236	29.1	29.1	8.1	8.1	25.4	25.4	70.7	70.7	4.7		18.9		4		74				<0.2		1.3	
						4.4	0.7	247	29.1		8.1		25.4		70.7		4.7		19.0		4		73				<0.2		1.2	
					Bottom	7.8	0.5	244	28.9	28.9	8.0	8.0	26.0	26.0	69.8	69.8	4.7	4.7	46.3		9		76				<0.2		1.2	
						7.8	0.5	259	28.9		8.0		26.0		69.8		4.7		46.1		9		75				<0.2		1.3	
C2	Sunny	Moderate	13:49	10.4	Surface	1.0	1.2	171	30.4	30.4	7.7	7.7	18.4	18.4	82.9	82.9	5.6	5.4	14.6	24.6	7	12	69	72	825675	806933	<0.2	<0.2	2.3	2.4
						1.0	1.2	183	30.4		7.7		18.4		82.9		5.6		14.6		7		70				<0.2		2.3	
					Middle	5.2	0.9	165	29.8	29.8	7.7	7.7	19.9	19.9	75.6	75.6	5.1		24.1		7		72				<0.2		2.6	
						5.2	1.0	169	29.8		7.7		19.9		75.6		5.1		24.1		7		73				<0.2		2.5	
					Bottom	9.4	0.5	171	28.9	28.9	7.7	7.7	24.2	24.2	71.2	71.2	4.8	4.8	35.2		21		75				<0.2		2.3	
						9.4	0.6	174	28.9		7.7		24.2		71.2		4.8		35.2		20		75				<0.2		2.1	
C3	Sunny	Moderate	11:22	13.4	Surface	1.0	0.4	71	29.1	29.1	7.8	7.8	24.3	24.3	78.4	78.4	5.3	5.2	6.5	9.2	4	6	71	74	822114	817802	<0.2	<0.2	1.7	1.9
						1.0	0.4	74	29.0		7.8		24.3		78.4		5.3		6.5		6		72				<0.2		2.1	
					Middle	6.7	0.3	83	28.5	28.5	7.8	7.8	25.9	25.9	75.3	75.3	5.1		10.4		6		73				<0.2		2.1	
						6.7	0.3	89	28.5		7.8		25.9		75.3		5.1		10.4		7		74				<0.2		2.0	
					Bottom	12.4	0.4	88	28.2	28.2	7.8	7.8	27.4	27.4	73.7	73.7	4.9	4.9	10.8		7		76				<0.2		1.7	
						12.4	0.4	90	28.2		7.8		27.4		73.7		4.9		10.8		7		76				<0.2		1.5	
IM1	Fine	Moderate	12:54	7.5	Surface	1.0	0.7	203	29.5	29.5	7.8	7.8	22.7	22.7	76.1	76.1	5.1	4.9	12.3	20.3	6	9	74	75	818364	806460	<0.2	<0.2	1.2	1.3
						1.0	0.7	203	29.5		7.8		22.7		76.1		5.1		12.3		6		73				<0.2		1.3	
					Middle	3.8	0.6	195	29.0	29.0	7.8	7.8	25.2	25.2	69.2	69.2	4.6		18.8		7		74				<0.2		1.4	
						3.8	0.6	210	29.0		7.8		25.2		69.2		4.6		18.9		7		74				<0.2		1.3	
					Bottom	6.5	0.4	186	28.9	28.9	7.8	7.8	25.6	25.6	69.8	69.8	4.7	4.7	29.7		13		77				<0.2		1.4	
						6.5	0.5	191	28.9		7.8		25.6		69.8		4.7		29.7		13		77				<0.2		1.3	
IM2	Fine	Moderate	13:01	8.3	Surface	1.0	0.7	208	29.5	29.5	7.8	7.8	23.1	23.1	76.7	76.7	5.2	5.1	13.8	22.0	8	8	74	76	818857	806185	<0.2	<0.2	1.4	1.2
						1.0	0.7	217	29.5		7.8		23.1		76.7		5.2		13.8		8		73				<0.2		1.3	
					Middle	4.2	0.5	202	29.1	29.1	7.8	7.8	24.3	24.3	72.6	72.7	4.9		15.9		8		76				<0.2		1.2	
						4.2	0.6	218	29.1		7.8		24.3		72.7		4.9		15.9		8		76				<0.2		1.3	
					Bottom	7.3	0.5	199	29.0	29.0	7.8	7.8	25.0	25.0	71.6	71.6	4.8	4.8	36.1		8		78				<0.2		1.1	
						7.3	0.5	207	29.0		7.8		25.0		71.6		4.8		36.2		7		78				<0.2		1.1	
IM3	Fine	Moderate	13:09	8.4	Surface	1.0	0.8	192	29.6	29.6	7.8	7.8	22.2	22.3	77.0	77.0	5.2	5.0	13.5	22.0	10	9	74	76	819403	806019	<0.2	<0.2	1.4	1.4
						1.0	0.9	197	29.6		7.8		22.3		77.0		5.2		13.6		10		74				<0.2		1.4	
					Middle	4.2	0.6	197	29.3	29.3	7.8	7.8	23.9	23.9	72.0	72.0	4.8		20.0		9		76				<0.2		1.1	
						4.2	0.6	213	29.3		7.8		23.9		72.0		4.8		20.0		10		76				<0.2		1.2	
					Bottom	7.4	0.5	195	29.0	29.0	7.8	7.8	25.2	25.2	71.4	71.5	4.8	4.8	32.7		9		79				<0.2		1.5	
						7.4	0.5	208	29.0		7.8		25.2		71.5		4.8		32.1		8		78				<0.2		1.5	
IM4	Fine	Moderate	13:18	7.6	Surface	1.0	0.8	180	29.7	29.7	7.8	7.8	21.6	21.7	80.3	80.3	5.4	5.3	13.7	20.6	5	7	75	76	819582	805033	<0.2	<0.2	1.5	1.5
						1.0	0.8	196	29.7		7.8		21.7		80.3		5.4		13.8		4		74				<0.2		1.4	
					Middle	3.8	0.7	185	29.5	29.5	7.8	7.8	23.2	23.2	77.7	77.7	5.2		17.4		8		76				<0.2		1.2	
						3.8	0.8	200	29.5		7.8		23.2		77.7		5.2		17.4		9		76				<0.2		1.2	
					Bottom	6.6	0.6	185	29.1	29.1	7.8	7.8	24.9	24.9	75.9	75.9	5.1	5.1	30.7		8		79				<0.2		1.8	
						6.6	0.6	192	29.1		7.8		24.9		75.9		5.1		30.7		7		78				<0.2		2.0	
IM5	Fine	Moderate	13:33	6.2	Surface	1.0	1.0	224	29.8	29.8	7.9	7.9	21.6	21.6	85.1	85.1	5.7	5.3	11.9	22.3	4	5	74	77	820560	804914	<0.2	<0.2	2.0	1.8
						1.0	1.1	244	29.8		7.9		21.6		85.1		5.7		11.9		5		74				<0.2		1.7	
					Middle	3.1	0.7	239	29.1	29.1	7.9	7.9	24.2	24.2	70.8	70.8	4.8		15.9		6		78				<0.2		1.8	
						3.1	0.7	250	29.1		7.9		24.2		70.8		4.8		15.9		6		77				<0.2		1.8	
					Bottom	5.2	0.5	256	29.0	29.0	7.8	7.8	24.9	24.9	69.5	69.6	4.7	4.7	39.2		4		79				<0.2		1.6	
						5.2	0.5	256	29.0		7.8		24.9		69.6		4.7		38.8		5		79				<0.2		1.7	
IM6	Fine	Moderate	13:40	7.0	Surface	1.0	1.0	237	30.5	30.5	7.7	7.7	20.9	20.9	86.1	86.1	5.8	5.4	14.4	21.4	7	8	74	76	821069	805812	<0.2	<0.2	1.9	1.9
						1.0	1.1	260	30.5		7.7		20.9		86.0		5.8		14.5		7		73				<0.2		1.9	
					Middle	3.5	0.8	249	29.3	29.3	7.8	7.8	22.6	22.6	72.6	72.6	4.9		17.5		8		75				<0.2		1.9	
						3.5	0.8	260	29.3		7.8		22.6		72.6		4.9		17.6		7		76				<0.2		1.9	
					Bottom	6.0	0.5	268	29.1	29.1	7.8	7.8	23.6	23.6	70.6	70.6	4.8	4.8	32.2		10		78				<0.2		2.0	
						6.0	0.5	293	29.1		7.8		23.6		70.6		4.8		32.1		10		77				<0.2		1.9	
IM7	Fine	Moderate	13:53	8.3	Surface	1.0	0.9	208	30.6	30.6	7.8	7.8	20.9	20.9	84.7	84.7	5.7	5.4	14.9	22.1	8	9	74	75	821354	806823	<0.2	<0.2	2.1	1.9
						1.0	0.9	214	30.6		7.8		20.9		84.6		5.7		15.0		8		74				<0.2		1.9	
					Middle	4.2	0.7	220	29.5	29.5	7.8	7.8	22.2	22.2	73.9	73.9	5.0		20.1		8		75				<0.2		1.8	
						4.2	0.7	233	29.5		7.8		22.2		73.9		5.0		20.2		8		75				<0.2		1.8	
					Bottom	7.3	0.5	227	29.1	29.1	7.8	7.8	23.7	23.7	70.8	70.9	4.8	4.8	31.3		12		77				<0.2		1.8	
						7.3	0.5	238	29.1		7.8		23.7		70.9		4.8		31.3		12		77				<0.2		1.8	
IM8	Sunny	Moderate	13:14	8.3	Surface	1.0	0.7	193	29.7	29.7	7.8	7.8	21.1	21.1	87.4	87.4	5.9	5.5	10.9	13.8	8	8	71	73	821705	807825	<0.2	<0.2	1.9	1.9
						1.0	0.8	194	29.7		7.8		21.1		87.4		5.9		10.9		8		71				<0.2		1.7	
					Middle	4.2	0.6	201	29.0	29.0	7.8	7.8	22.7	22.7	74.5	74.5	5.1		13.5		7		73				<0.2		1.9	
						4.2	0.6	216	29.0		7.8		22.7		74.5		5.1		13.5		7		73				<0.2		2.0	
					Bottom	7.3	0.4	235	28.8	28.8	7.8	7.8	24.1	24.1	81.8	81.8	5.5	5.5	17.0		9		75				<0.2		1.8	
						7.3	0.4	244	28.8		7.8		24.1		81.8		5.5		17.0		8		75				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 September 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	13:04	7.1	Surface	1.0	0.6	161	29.6	29.6	7.8	7.8	20.8	20.8	78.9	78.9	5.4	5.1	10.1	16.7	5	7	71	73	822111	808796	<0.2	<0.2	1.9	2.3
						1.0	0.7	164	29.6		7.8		20.8		78.9		5.4		10.1		7		71				<0.2		1.9	
					Middle	3.6	0.5	152	28.9	28.9	7.8	7.8	23.1	23.1	70.9	70.9	4.8		16.6		7		73				<0.2		2.9	
						3.6	0.5	156	28.9		7.8		23.1		70.9		4.8		16.6		9		73				<0.2		2.8	
					Bottom	6.1	0.3	134	28.8	28.8	7.8	7.8	23.8	23.8	73.2	73.2	5.0	5.0	23.5		8		76				<0.2		2.3	
						6.1	0.3	141	28.8		7.8		23.8		73.2		5.0		23.5		8		75				<0.2		2.0	
IM10	Sunny	Moderate	13:03	6.8	Surface	1.0	0.7	157	29.3	29.3	7.8	7.8	21.3	21.3	75.7	75.7	5.1	5.0	14.6	19.7	7	9	72	73	822252	809837	<0.2	<0.2	2.0	2.2
						1.0	0.7	161	29.3		7.8		21.3		75.7		5.1		14.6		8		71				<0.2		2.0	
					Middle	3.4	0.5	151	28.9	28.9	7.8	7.8	22.9	22.9	71.3	71.3	4.8		19.6		8		73				<0.2		2.9	
						3.4	0.5	157	28.9		7.8		22.9		71.3		4.8		19.6		7		73				<0.2		2.8	
					Bottom	5.8	0.2	145	28.9	28.9	7.8	7.8	23.4	23.4	76.6	76.6	5.2	5.2	25.0		13		75				<0.2		1.8	
						5.8	0.3	151	28.9		7.8		23.4		76.6		5.2		25.0		13		75				<0.2		1.6	
IM11	Sunny	Moderate	12:37	8.4	Surface	1.0	0.7	122	29.6	29.6	7.8	7.8	21.2	21.2	82.1	82.1	5.6	5.6	8.8	12.1	7	8	71	73	821514	810531	<0.2	<0.2	2.1	1.9
						1.0	0.8	124	29.6		7.8		21.2		82.1		5.6		8.8		7		71				<0.2		1.8	
					Middle	4.2	0.5	102	29.5	29.5	7.8	7.8	21.4	21.4	81.8	81.8	5.5		10.9		6		73				<0.2		1.8	
						4.2	0.5	108	29.5		7.8		21.4		81.8		5.5		10.9		6		73				<0.2		2.0	
					Bottom	7.4	0.4	80	29.0	29.0	7.9	7.9	23.4	23.4	74.9	74.9	5.1	5.1	16.5		9		75				<0.2		1.7	
						7.4	0.4	82	29.0		7.9		23.4		74.9		5.1		16.5		11		75				<0.2		1.7	
IM12	Sunny	Moderate	12:26	9.1	Surface	1.0	0.8	104	29.6	29.6	7.8	7.8	21.4	21.4	80.4	80.4	5.4	5.3	10.1	17.1	5	7	70	73	821161	811510	<0.2	<0.2	1.7	2.1
						1.0	0.9	111	29.6		7.8		21.4		80.4		5.4		10.1		6		71				<0.2		1.7	
					Middle	4.6	0.6	92	29.1	29.1	7.8	7.8	22.8	22.8	77.0	77.0	5.2		15.6		6		73				<0.2		2.5	
						4.6	0.7	100	29.1		7.8		22.8		77.0		5.2		15.6		8		73				<0.2		2.3	
					Bottom	8.1	0.5	82	29.0	29.0	7.8	7.8	23.5	23.5	77.4	77.4	5.2	5.2	25.6		7		75				<0.2		2.2	
						8.1	0.5	85	29.0		7.8		23.5		77.4		5.2		25.6		8		75				<0.2		2.0	
SR2	Sunny	Moderate	11:52	3.8	Surface	1.0	0.6	97	29.3	29.3	7.8	7.8	23.2	23.2	80.7	80.7	5.4	5.4	10.9	13.3	9	9	71	72	821478	814185	<0.2	<0.2	1.6	1.6
						1.0	0.6	102	29.3		7.8		23.2		80.7		5.4		10.9		9		71				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.4	103	28.9	28.9	7.8	7.8	24.1	24.1	76.9	76.9	5.2	5.2	15.6		9		74				<0.2		1.4	
						2.8	0.4	107	28.9		7.8		24.1		76.9		5.2		15.6		8		73				<0.2		1.5	
SR3	Sunny	Moderate	13:20	8.8	Surface	1.0	0.8	181	29.8	29.8	7.7	7.7	20.0	20.0	78.5	78.5	5.3	5.2	11.6	17.9	5	8	-	-	822166	807580	-	-	-	-
						1.0	0.8	186	29.8		7.7		20.0		78.5		5.3		11.6		4		-				-		-	
					Middle	4.4	0.6	188	29.0	29.0	7.8	7.8	22.7	22.7	73.1	73.1	5.0		19.2		6		-				-		-	
						4.4	0.6	199	29.0		7.8		22.7		73.1		5.0		19.2		8		-				-		-	
					Bottom	7.8	0.4	209	29.0	29.0	7.8	7.8	22.6	22.6	74.2	74.2	5.0	5.0	23.0		11		-				-		-	
						7.8	0.5	221	29.0		7.8		22.6		74.2		5.0		23.0		11		-				-		-	
SR4A	Fine	Moderate	12:10	9.7	Surface	1.0	0.4	74	29.1	29.1	7.8	7.8	23.3	23.3	81.4	81.6	5.5	5.1	17.2	22.2	12	13	-	-	817206	807815	-	-	-	-
						1.0	0.4	78	29.1		7.8		23.3		81.7		5.5		17.3		12		-				-		-	
					Middle	4.9	0.3	64	29.0	29.0	7.8	7.8	24.3	24.3	69.8	69.8	4.7		25.5		11		-				-		-	
						4.9	0.3	69	29.0		7.8		24.3		69.8		4.7		25.6		13		-				-		-	
					Bottom	8.7	0.3	61	29.0	29.0	7.8	7.8	24.4	24.4	70.7	70.7	4.8	4.8	23.8		15		-				-		-	
						8.7	0.3	61	29.0		7.8		24.4		70.7		4.8		23.8		16		-				-		-	
SR5A	Fine	Moderate	11:52	5.5	Surface	1.0	0.0	330	29.6	29.6	8.0	8.0	22.8	22.8	97.8	97.7	6.6	6.6	9.6	9.4	5	6	-	-	816608	810707	-	-	-	-
						1.0	0.0	344	29.6		8.0		22.8		97.6		6.6		9.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	127	29.3	29.3	7.9	7.9	23.6	23.6	82.5	82.6	5.6	5.6	9.2		6		-				-		-	
						4.5	0.1	136	29.3		7.9		23.6		82.7		5.6		9.2		7		-				-		-	
SR6	Fine	Moderate	11:26	5.1	Surface	1.0	0.2	58	29.5	29.5	7.8	7.8	22.8	22.8	94.0	93.7	6.3	6.3	6.5	5.7	8	8	-	-	817908	814681	-	-	-	-
						1.0	0.2	60	29.5		7.8		22.8		93.4		6.3		6.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	71	29.1	29.1	7.8	7.8	23.8	23.8	74.9	74.9	5.0	5.0	4.8		9		-				-		-	
						4.1	0.2	73	29.1		7.8		23.8		74.9		5.0		4.8		9		-				-		-	
SR7	Sunny	Moderate	10:41	16.8	Surface	1.0	0.5	358	28.4	28.4	7.8	7.8	26.5	26.5	78.2	78.2	5.2	5.0	4.6	6.6	4	6	-	-	823639	823723	-	-	-	-
						1.0	0.5	329	28.4		7.8		26.5		78.2		5.2		4.6		6		-				-		-	
					Middle	8.4	0.5	346	28.3	28.3	7.8	7.8	26.9	26.9	71.7	71.7	4.8		5.8		5		-				-		-	
						8.4	0.5	359	28.3		7.8		26.9		71.7		4.8		5.8		5		-				-		-	
					Bottom	15.8	0.4	8	28.1	28.1	7.8	7.8	27.8	27.8	70.1	70.1	4.7	4.7	9.4		8		-				-		-	
						15.8	0.5	8	28.1		7.8		27.8		70.1		4.7		9.4		6		-				-		-	
SR8	Sunny	Moderate	12:25	4.6	Surface	1.0	-	-	29.6	29.6	7.8	7.8	21.5	21.5	83.0	83.0	5.6	5.6	12.2	12.5	7	6	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.6		7.8		21.5		83.0		5.6		12.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	29.2	29.2	7.8	7.8	22.5	22.5	87.2	87.2	5.9	5.9	12.7		6		-				-		-	
						3.6	-	-	29.2		7.8		22.5		87.2		5.9		12.7		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 September 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	18:49	8.4	Surface	1.0	0.5	33	29.5	29.5	8.1	8.1	23.4	23.4	74.1	74.0	5.0	5.0	18.4	22.5	16	16	71	74	815633	804262	<0.2	<0.2	1.4	1.3
						1.0	0.6	35	29.5		8.1		23.4		73.9		5.0		18.3		15		72				<0.2		1.3	
					Middle	4.2	0.5	36	29.4	29.4	8.1	8.1	23.9	23.9	73.3	73.3	4.9		20.9		17		73				<0.2		1.3	
						4.2	0.5	37	29.4		8.1		23.8		73.3		4.9		20.8		16		73				<0.2		1.4	
					Bottom	7.4	0.6	29	29.3	29.3	7.9	7.9	24.4	24.4	72.1	72.2	4.8	4.8	28.4		16		76				<0.2		1.3	
						7.4	0.6	30	29.3		7.9		24.3		72.3		4.8		28.3		17		76				<0.2		1.3	
C2	Sunny	Moderate	17:21	10.4	Surface	1.0	0.6	169	29.7	29.7	7.6	7.6	17.2	17.2	65.6	65.6	4.5	4.5	19.9	33.7	11	17	71	74	825673	806930	<0.2	<0.2	3.9	3.6
						1.0	0.7	183	29.7		7.6		17.2		65.6		4.5		19.9		12		71				<0.2		4.0	
					Middle	5.2	0.3	208	29.2	29.2	7.6	7.6	20.7	20.7	64.2	64.2	4.4		33.8		15		74				<0.2		4.0	
						5.2	0.3	215	29.2		7.6		20.7		64.2		4.4		33.8		15		74				<0.2		3.9	
					Bottom	9.4	0.3	287	28.8	28.8	7.7	7.7	23.8	23.8	66.0	66.0	4.5	4.5	47.3		22		76				<0.2		2.7	
						9.4	0.3	300	28.8		7.7		23.8		66.0		4.5		47.3		24		75				<0.2		3.1	
C3	Cloudy	Moderate	19:28	12.3	Surface	1.0	0.6	263	28.9	28.9	7.8	7.8	24.2	24.2	75.3	75.3	5.1	5.0	13.4	21.2	6	7	72	74	822116	817790	<0.2	<0.2	1.6	1.4
						1.0	0.6	268	28.9		7.8		24.2		75.3		5.1		13.4		6		72				<0.2		1.5	
					Middle	6.2	0.7	260	28.5	28.5	7.8	7.8	26.8	26.8	72.2	72.2	4.8		20.9		6		75				<0.2		1.4	
						6.2	0.7	283	28.5		7.8		26.8		72.2		4.8		20.9		7		74				<0.2		1.4	
					Bottom	11.3	0.5	262	28.4	28.4	7.8	7.8	26.8	26.8	73.5	73.5	4.9	4.9	29.3		8		76				<0.2		1.2	
						11.3	0.6	262	28.4		7.8		26.8		73.5		4.9		29.3		8		76				<0.2		1.1	
IM1	Fine	Moderate	18:26	7.0	Surface	1.0	0.7	14	29.6	29.6	7.7	7.7	22.4	22.4	76.6	76.6	5.2	5.1	16.6	19.5	8	8	73	75	818331	806463	<0.2	<0.2	1.7	1.7
						1.0	0.7	14	29.6		7.7		22.4		76.5		5.2		16.8		9		73				<0.2		1.7	
					Middle	3.5	0.7	5	29.5	29.5	7.7	7.7	23.3	23.3	74.7	74.7	5.0		20.0		8		75				<0.2		1.6	
						3.5	0.8	5	29.5		7.7		23.2		74.7		5.0		20.2		9		75				<0.2		1.7	
					Bottom	6.0	0.6	355	29.4	29.4	7.6	7.6	23.4	23.4	74.6	74.6	5.0	5.0	21.6		9		76				<0.2		1.6	
						6.0	0.7	327	29.4		7.6		23.4		74.6		5.0		21.8		7		76				<0.2		1.8	
IM2	Fine	Moderate	18:18	8.3	Surface	1.0	0.5	350	29.5	29.5	7.7	7.7	23.5	23.5	78.3	78.3	5.3	5.2	21.4	22.1	12	13	73	75	818858	806196	<0.2	<0.2	1.4	1.3
						1.0	0.5	322	29.5		7.7		23.5		78.3		5.3		21.4		11		73				<0.2		1.3	
					Middle	4.2	0.5	341	29.4	29.4	7.7	7.7	23.7	23.7	75.7	75.7	5.1		20.4		14		75				<0.2		1.2	
						4.2	0.6	344	29.4		7.7		23.7		75.7		5.1		20.6		14		76				<0.2		1.2	
					Bottom	7.3	0.4	336	29.4	29.4	7.7	7.7	23.6	23.6	75.9	75.9	5.1	5.1	24.2		14		77				<0.2		1.2	
						7.3	0.4	343	29.4		7.7		23.6		75.9		5.1		24.4		12		77				<0.2		1.2	
IM3	Fine	Moderate	18:07	8.1	Surface	1.0	0.2	292	29.9	29.9	8.0	8.0	19.7	19.7	74.2	74.2	5.0	5.1	18.3	19.2	11	11	73	76	819411	805999	<0.2	<0.2	2.2	2.3
						1.0	0.2	301	29.9		8.0		19.7		74.2		5.0		18.3		10		74				<0.2		2.3	
					Middle	4.1	0.3	318	29.8	29.8	8.1	8.1	21.9	21.9	75.7	75.7	5.1		19.1		12		76				<0.2		2.2	
						4.1	0.3	331	29.8		8.1		21.9		75.7		5.1		19.1		10		76				<0.2		2.4	
					Bottom	7.1	0.3	335	29.5	29.5	8.1	8.1	23.4	23.4	74.1	74.2	5.0	5.0	20.1		11		79				<0.2		2.4	
						7.1	0.3	308	29.5		8.0		23.4		74.2		5.0		20.2		11		79				<0.2		2.4	
IM4	Fine	Moderate	17:58	7.2	Surface	1.0	0.4	309	29.9	29.9	7.8	7.8	19.9	19.9	72.1	72.1	4.9	4.9	20.2	21.3	20	21	74	75	819587	805031	<0.2	<0.2	2.4	2.3
						1.0	0.4	322	29.9		7.8		19.8		72.1		4.9		20.3		18		74				<0.2		2.3	
					Middle	3.6	0.3	315	29.9	29.9	8.0	8.0	19.8	19.8	71.8	71.8	4.9		21.1		21		75				<0.2		2.3	
						3.6	0.4	345	29.9		8.0		19.8		71.8		4.9		21.2		22		75				<0.2		2.2	
					Bottom	6.2	0.3	316	29.8	29.8	7.9	7.9	20.1	20.1	70.1	70.1	4.8	4.8	22.5		22		77				<0.2		2.2	
						6.2	0.3	338	29.8		7.9		20.1		70.1		4.8		22.5		23		77				<0.2		2.1	
IM5	Fine	Moderate	17:45	6.4	Surface	1.0	0.3	304	29.8	29.8	7.9	7.9	20.0	20.1	68.7	68.7	4.7	4.7	20.1	21.4	19	19	72	75	820556	804918	<0.2	<0.2	2.4	2.3
						1.0	0.3	305	29.8		7.9		20.1		68.7		4.7		20.3		20		72				<0.2		2.2	
					Middle	3.2	0.3	326	29.7	29.7	7.9	7.9	20.3	20.3	68.7	68.7	4.7		21.5		19		76				<0.2		2.5	
						3.2	0.3	353	29.7		7.9		20.3		68.6		4.7		21.6		18		76				<0.2		2.3	
					Bottom	5.4	0.4	339	29.7	29.7	7.7	7.7	20.4	20.4	69.7	69.7	4.7	4.7	22.3		19		78				<0.2		2.4	
						5.4	0.4	355	29.7		7.7		20.4		69.7		4.7		22.3		18		78				<0.2		2.1	
IM6	Fine	Moderate	17:32	6.0	Surface	1.0	0.5	285	29.8	29.8	7.9	7.9	19.4	19.4	67.0	67.0	4.6	4.6	19.5	21.6	14	16	73	75	821040	805829	<0.2	<0.2	2.2	2.4
						1.0	0.5	307	29.8		7.9		19.4		66.9		4.6		19.6		13		73				<0.2		2.3	
					Middle	3.0	0.5	283	29.7	29.7	7.8	7.8	20.5	20.5	66.3	66.3	4.5		22.1		15		75				<0.2		2.6	
						3.0	0.5	307	29.7		7.8		20.5		66.3		4.5		22.1		15		75				<0.2		2.4	
					Bottom	5.0	0.4	287	29.7	29.7	7.8	7.8	20.5	20.5	66.5	66.5	4.5	4.5	23.2		19		77				<0.2		2.5	
						5.0	0.4	293	29.7		7.8		20.5		66.5		4.5		23.3		21		77				<0.2		2.4	
IM7	Fine	Moderate	17:20	7.2	Surface	1.0	0.5	233	29.9	29.9	7.8	7.8	19.0	19.0	66.9	66.9	4.6	4.6	19.6	21.4	15	16	74	75	821351	806822	<0.2	<0.2	2.3	2.5
						1.0	0.6	250	29.9		7.8		19.0		66.9		4.6		19.6		14		74				<0.2		2.5	
					Middle	3.6	0.5	239	29.7	29.7	7.7	7.7	20.1	20.1	66.4	66.4	4.5		20.8		17		75				<0.2		2.4	
						3.6	0.5	254	29.7		7.7		20.0		66.4		4.5		20.8		18		75				<0.2		2.6	
					Bottom	6.2	0.3	251	29.7	29.7	7.6	7.6	20.7	20.7	67.1	67.1	4.6	4.6	23.8		16		77				<0.2		2.6	
						6.2	0.3	255	29.7		7.6		20.7		67.1		4.6		23.9		16		77				<0.2		2.5	
IM8	Sunny	Moderate	17:44	7.6	Surface	1.0	0.5	209	30.2	30.2	7.6	7.6	15.7	15.7	75.6	75.6	5.2	5.0	14.2	17.7	8	9	71	73	821706	807847	<0.2	<0.2	3.2	2.9
						1.0	0.5	218	30.2		7.6		15.7		75.6		5.2		14.2		7		72				<0.2		3.1	
					Middle	3.8	0.4	232	29.5	29.5	7.7	7.7	19.6	19.5	69.1	69.2	4.7		16.8		7		73				<0.2		3.1	
						3.8	0.4	241	29.5		7.7		19.4		69.2		4.7		16.8		7		73				<0.2		2.9	
					Bottom	6.6	0.2	281	29.4	29.4	7.7	7.7	20.9	20.9	72.3	72.3	4.9	4.9	22.2		11		75				<0.2		2.5	
						6.6	0.2	282	29.4		7.7		20.9		72.3		4.9		22.2		11		74				<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 19 September 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	17:52	6.6	Surface	1.0	0.3	222	30.0	30.0	7.7	7.7	18.0	18.0	75.9	75.9	5.2	5.2	18.4	20.3	10	12	71	73	822101	808814	<0.2	<0.2	2.8	2.8
						1.0	0.3	228	30.0		7.7		18.0		75.9				18.4		9		71				<0.2		2.8	
					Middle	3.3	0.1	271	29.6	29.6	7.7	7.7	20.2	20.2	74.9	74.9	5.1		21.0		13		73				<0.2		3.0	
						3.3	0.1	282	29.6		7.7		20.2		74.9		5.1		21.0		14		73				<0.2		2.8	
					Bottom	5.6	0.1	280	29.5	29.5	7.7	7.7	20.9	20.9	78.5	78.5	5.3	5.3	21.5		14		75				<0.2		2.6	
						5.6	0.2	301	29.5		7.7		20.9		78.5		5.3		21.5		14		74				<0.2		2.7	
IM10	Cloudy	Moderate	18:01	6.8	Surface	1.0	0.4	297	29.8	29.8	7.7	7.7	18.7	18.7	77.0	77.0	5.3	5.1	16.6	20.3	10	11	71	73	822238	809856	<0.2	<0.2	2.6	2.6
						1.0	0.4	303	29.8		7.7		18.7		76.9		5.3		16.7		11		71				<0.2		2.4	
					Middle	3.4	0.4	304	29.5	29.5	7.7	7.7	20.5	20.5	72.6	72.6	4.9		18.7		10		73				<0.2		2.7	
						3.4	0.4	323	29.5		7.7		20.5		72.6		4.9		18.7		11		73				<0.2		2.6	
					Bottom	5.8	0.4	322	29.3	29.3	7.7	7.7	21.9	21.9	73.0	73.0	5.0	5.0	25.6		11		75				<0.2		2.8	
						5.8	0.4	354	29.3		7.7		21.9		73.0		5.0		25.6		12		75				<0.2		2.5	
IM11	Cloudy	Moderate	18:18	7.5	Surface	1.0	0.4	298	29.8	29.8	7.8	7.8	19.4	19.4	81.0	81.0	5.5	5.4	16.2	22.6	7	8	72	73	821481	810543	<0.2	<0.2	2.7	2.4
						1.0	0.5	326	29.8		7.8		19.4		81.0		5.5		16.2		7		71				<0.2		2.6	
					Middle	3.8	0.4	302	29.6	29.6	7.7	7.7	20.6	20.6	78.0	78.0	5.3		22.7		8		73				<0.2		2.4	
						3.8	0.5	314	29.6		7.7		20.6		78.0		5.3		22.7		8		73				<0.2		2.3	
					Bottom	6.5	0.4	293	29.6	29.6	7.7	7.7	20.7	20.7	80.0	80.0	5.4	5.4	28.8		7		75				<0.2		2.3	
						6.5	0.4	314	29.6		7.7		20.7		80.0		5.4		28.8		9		75				<0.2		2.3	
IM12	Cloudy	Moderate	18:27	8.3	Surface	1.0	0.6	279	29.5	29.5	7.8	7.8	20.9	20.9	91.7	91.7	6.2	6.3	14.0	18.8	9	9	72	74	821145	811519	<0.2	<0.2	2.2	2.1
						1.0	0.6	284	29.5		7.8		20.9		91.7		6.2		14.0		9		72				<0.2		2.2	
					Middle	4.2	0.7	281	29.5	29.5	7.9	7.9	22.2	22.2	93.9	93.9	6.3		15.8		10		73				<0.2		2.2	
						4.2	0.8	286	29.5		7.9		22.2		93.9		6.3		15.8		10		74				<0.2		2.2	
					Bottom	7.3	0.6	278	29.5	29.5	7.9	7.9	23.3	23.3	91.3	91.3	6.1	6.1	26.7		9		75				<0.2		2.0	
						7.3	0.7	282	29.5		7.9		23.3		91.3		6.1		26.7		9		75				<0.2		1.8	
SR2	Cloudy	Moderate	19:03	4.0	Surface	1.0	0.1	283	29.2	29.2	7.8	7.8	22.7	22.7	80.7	80.7	5.5	5.5	21.5	22.1	15	17	71	73	821450	814161	<0.2	<0.2	1.9	1.9
						1.0	0.1	304	29.2		7.8		22.7		80.7		5.5		21.5		16		72				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	236	29.2	29.2	7.8	7.8	22.8	22.8	82.0	82.0	5.6	5.6	22.6		18		74				<0.2		1.7	
						3.0	0.1	253	29.2		7.8		22.8		82.0		5.6		22.6		19		74				<0.2		1.8	
SR3	Sunny	Moderate	17:39	8.4	Surface	1.0	0.6	193	30.1	30.1	7.6	7.6	16.5	16.5	73.6	73.6	5.1	4.9	10.0	17.2	8	11	-	-	822161	807580	-	-	-	-
						1.0	0.6	197	30.1		7.6		16.5		73.6		5.1		10.2		9		-				-		-	
					Middle	4.2	0.3	230	29.5	29.5	7.6	7.6	19.6	19.6	69.1	69.1	4.7		16.6		12		-				-		-	
						4.2	0.4	238	29.5		7.6		19.6		69.1		4.7		16.6		13		-				-		-	
					Bottom	7.4	0.3	271	29.3	29.3	7.7	7.7	21.1	21.1	76.2	76.2	5.2	5.2	24.8		12		-				-		-	
						7.4	0.3	283	29.3		7.7		21.1		76.2		5.2		24.8		13		-				-		-	
SR4A	Fine	Moderate	19:07	9.1	Surface	1.0	0.0	232	29.6	29.6	7.9	7.9	23.1	23.1	94.3	94.3	6.3	6.4	20.5	21.7	16	16	-	-	817188	807812	-	-	-	-
						1.0	0.0	248	29.6		7.9		23.1		94.3		6.3		20.8		17		-				-		-	
					Middle	4.6	0.0	117	29.6	29.6	7.9	7.9	23.1	23.1	95.5	95.5	6.4		21.3		17		-				-		-	
						4.6	0.0	121	29.6		7.9		23.1		95.5		6.4		21.1		16		-				-		-	
					Bottom	8.1	0.0	169	29.6	29.6	7.7	7.7	23.2	23.2	95.6	95.4	6.4	6.4	23.1		15		-				-		-	
						8.1	0.0	176	29.6		7.7		23.1		95.2		6.4		23.5		15		-				-		-	
SR5A	Fine	Moderate	19:24	5.6	Surface	1.0	0.2	352	29.5	29.5	8.0	8.0	23.3	23.3	96.4	96.5	6.5	6.5	19.8	19.8	16	16	-	-	816576	810706	-	-	-	-
						1.0	0.2	324	29.5		7.9		23.3		96.5		6.5		19.7		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	356	29.5	29.5	7.7	7.7	23.4	23.4	96.6	96.6	6.5	6.5	20.0		16		-				-		-	
						4.6	0.2	328	29.5		7.7		23.4		96.6		6.5		19.7		17		-				-		-	
SR6	Fine	Moderate	19:51	4.8	Surface	1.0	0.1	233	29.5	29.5	7.8	7.8	22.4	22.4	86.9	87.0	5.9	5.9	15.2	18.2	15	16	-	-	817885	814662	-	-	-	-
						1.0	0.1	252	29.5		7.8		22.4		87.0		5.9		15.0		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	112	29.5	29.5	7.6	7.6	23.1	23.1	89.0	89.2	6.0	6.0	21.7		15		-				-		-	
						3.8	0.0	113	29.5		7.5		23.0		89.3		6.0		21.0		17		-				-		-	
SR7	Cloudy	Moderate	20:06	16.2	Surface	1.0	0.4	162	28.5	28.5	7.8	7.8	26.4	26.4	80.0	80.0	5.4	5.1	12.8	18.2	8	9	-	-	823630	823729	-	-	-	-
						1.0	0.4	173	28.5		7.8		26.4		80.0		5.4		12.8		8		-				-		-	
					Middle	8.1	0.1	211	28.3	28.3	7.8	7.8	27.6	27.6	69.8	69.8	4.7		17.9		11		-				-		-	
						8.1	0.1	229	28.3		7.8		27.6		69.8		4.7		17.9		10		-				-		-	
					Bottom	15.2	0.3	133	28.2	28.2	7.8	7.8	28.3	28.3	71.4	71.4	4.8	4.8	23.8		9		-				-		-	
						15.2	0.3	134	28.2		7.8		28.3		71.4		4.8		23.8		10		-				-		-	
SR8	Cloudy	Moderate	18:35	4.6	Surface	1.0	0.0	0	30.1	30.1	7.8	7.8	19.9	19.9	84.9	84.9	5.8	5.8	17.8	22.0	11	11	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	30.1		7.8		19.9		84.9		5.8		17.8		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	0	29.5	29.5	7.8	7.8	21.9	21.9	90.5	90.5	6.1	6.1	26.1		10		-				-		-	
						3.6	0.0	0	29.5		7.8		21.9		90.5		6.1		26.1		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 21 September 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	13:09	9.1	Surface	1.0	0.5	207	29.1	29.1	8.0	8.0	23.8	23.8	75.7	75.8	5.1	5.1	4.5	16.7	6	9	92	95	815613	804240	<0.2	<0.2	1.5	1.2
						1.0	0.5	210	29.1		8.0		23.8		75.8		5.1		4.5		6		92				<0.2		1.5	
					Middle	4.6	0.4	220	28.9	28.9	8.1	8.1	25.2	25.2	73.9	73.9	5.0		11.1		7		95				<0.2		1.1	
						4.6	0.4	235	28.9		8.1		25.2		73.9		5.0		11.3		6		95				<0.2		1.0	
					Bottom	8.1	0.4	219	28.8	28.8	8.1	8.1	26.2	26.2	71.8	71.8	4.8	4.8	34.7		15		98				<0.2		1.0	
						8.1	0.5	234	28.8		8.1		26.2		71.8		4.8		34.3		13		98				<0.2		0.9	
C2	Sunny	Moderate	12:03	12.8	Surface	1.0	0.5	172	30.1	30.1	7.8	7.8	19.3	19.3	67.6	67.6	4.6	4.6	10.6	16.3	7	12	89	92	825679	806947	<0.2	<0.2	2.4	1.9
						1.0	0.5	186	30.1		7.8		19.3		67.6		4.6		10.6		6		89				<0.2		2.6	
					Middle	6.4	0.4	165	29.3	29.3	7.9	7.9	23.1	23.1	67.1	67.1	4.5		17.6		11		92				<0.2		2.0	
						6.4	0.4	171	29.3		7.9		23.1		67.1		4.5		17.6		10		92				<0.2		1.9	
					Bottom	11.8	0.3	126	29.2	29.2	7.9	7.9	24.7	24.7	66.9	66.9	4.5	4.5	20.7		18		94				<0.2		1.3	
						11.8	0.3	130	29.2		7.9		24.7		66.9		4.5		20.7		18		93				<0.2		1.4	
C3	Sunny	Moderate	13:54	12.4	Surface	1.0	0.5	101	29.6	29.6	7.9	7.9	23.6	23.6	72.8	72.8	4.9	4.9	11.2	12.4	10	9	91	94	822106	817787	<0.2	<0.2	1.4	1.5
						1.0	0.5	107	29.6		7.9		23.6		72.8		4.9		11.2		9		92				<0.2		1.5	
					Middle	6.2	0.3	86	29.5	29.5	7.9	7.9	24.0	24.0	72.5	72.5	4.8		11.9		10		94				<0.2		1.4	
						6.2	0.3	92	29.5		7.9		24.0		72.5		4.8		11.9		9		94				<0.2		1.4	
					Bottom	11.4	0.4	42	29.2	29.2	7.9	7.9	25.2	25.2	76.0	76.0	5.1	5.1	14.2		10		96				<0.2		1.4	
						11.4	0.4	45	29.2		7.9		25.2		76.0		5.1		14.2		8		96				<0.2		1.6	
IM1	Cloudy	Moderate	12:52	8.0	Surface	1.0	0.3	170	29.1	29.1	8.0	8.0	24.7	24.7	73.7	73.7	4.9	4.9	5.8	9.5	4	5	92	95	818370	806457	<0.2	<0.2	1.1	1.2
						1.0	0.3	184	29.1		8.0		24.7		73.6		4.9		5.9		4		92				<0.2		1.1	
					Middle	4.0	0.3	164	29.0	29.0	8.0	8.0	25.3	25.3	71.6	71.6	4.8		9.2		5		95				<0.2		1.4	
						4.0	0.3	168	29.0		8.0		25.3		71.5		4.8		9.4		6		94				<0.2		1.3	
					Bottom	7.0	0.2	161	28.9	28.9	8.0	8.0	25.7	25.7	71.4	71.4	4.8	4.8	13.5		6		99				<0.2		1.2	
						7.0	0.3	172	28.9		8.0		25.7		71.4		4.8		13.4		6		98				<0.2		1.2	
IM2	Cloudy	Moderate	12:46	8.8	Surface	1.0	0.4	177	29.4	29.4	8.0	8.0	24.5	24.6	74.6	74.5	5.0	4.9	6.7	10.2	5	8	94	96	818843	806188	<0.2	<0.2	0.8	1.0
						1.0	0.4	184	29.4		8.0		24.6		74.3		5.0		7.0		5		93				<0.2		0.8	
					Middle	4.4	0.3	171	29.0	29.0	8.0	8.0	25.5	25.5	71.1	71.1	4.8		10.3		6		96				<0.2		1.1	
						4.4	0.3	187	29.0		8.0		25.5		71.1		4.8		10.4		5		95				<0.2		1.1	
					Bottom	7.8	0.2	185	28.9	28.9	8.0	8.0	25.8	25.8	71.0	71.1	4.8	4.8	13.5		13		100				<0.2		1.1	
						7.8	0.2	202	28.9		8.0		25.8		71.1		4.8		13.5		13		99				<0.2		1.2	
IM3	Cloudy	Moderate	12:39	9.0	Surface	1.0	0.3	163	29.1	29.1	8.0	8.0	25.3	25.3	73.8	73.8	4.9	4.9	11.4	12.3	10	11	95	97	819400	806026	<0.2	<0.2	1.0	1.0
						1.0	0.3	163	29.1		8.0		25.3		73.8		4.9		11.4		10		95				<0.2		1.0	
					Middle	4.5	0.3	179	29.0	29.0	8.0	8.0	25.4	25.4	72.6	72.6	4.9		12.3		8		97				<0.2		0.9	
						4.5	0.3	194	29.0		8.0		25.4		72.6		4.9		12.3		9		96				<0.2		0.9	
					Bottom	8.0	0.2	178	28.9	28.9	8.0	8.0	25.7	25.7	72.5	72.5	4.8	4.8	13.0		14		99				<0.2		1.0	
						8.0	0.3	182	28.9		8.0		25.7		72.5		4.8		13.1		14		98				<0.2		1.1	
IM4	Cloudy	Moderate	12:32	8.4	Surface	1.0	0.4	159	29.1	29.1	8.1	8.1	25.2	25.2	73.7	73.7	4.9	4.8	8.0	14.5	8	9	94	97	819554	805045	<0.2	<0.2	0.9	0.9
						1.0	0.4	167	29.1		8.1		25.2		73.6		4.9		8.0		8		94				<0.2		1.0	
					Middle	4.2	0.3	171	28.8	28.8	8.1	8.1	26.1	26.1	70.8	70.8	4.7		16.0		8		98				<0.2		1.1	
						4.2	0.4	185	28.8		8.1		26.1		70.8		4.7		16.1		10		98				<0.2		1.0	
					Bottom	7.4	0.2	188	28.8	28.8	8.1	8.1	26.6	26.6	71.3	71.3	4.8	4.8	19.6		11		99				<0.2		0.8	
						7.4	0.2	197	28.8		8.1		26.6		71.3		4.8		19.5		11		100				<0.2		0.8	
IM5	Cloudy	Moderate	12:22	7.7	Surface	1.0	0.3	176	29.0	29.0	8.0	8.0	25.5	25.5	73.7	73.7	4.9	4.9	10.5	18.2	9	12	94	97	820571	804911	<0.2	<0.2	0.8	1.0
						1.0	0.3	182	29.0		8.0		25.5		73.7		4.9		10.5		9		94				<0.2		1.0	
					Middle	3.9	0.3	171	28.9	28.9	8.1	8.1	25.9	25.9	72.4	72.4	4.8		17.8		10		96				<0.2		1.0	
						3.9	0.3	175	28.9		8.1		25.9		72.4		4.8		17.8		8		96				<0.2		1.0	
					Bottom	6.7	0.2	156	28.8	28.8	8.0	8.0	26.1	26.1	72.7	72.8	4.9	4.9	26.3		19		100				<0.2		1.0	
						6.7	0.3	169	28.8		8.0		26.1		72.8		4.9		26.0		17		99				<0.2		0.9	
IM6	Cloudy	Moderate	12:13	7.7	Surface	1.0	0.3	141	29.2	29.2	8.0	8.0	24.9	24.9	73.2	73.2	4.9	4.9	10.8	15.5	4	11	93	95	821078	805822	<0.2	<0.2	1.1	1.1
						1.0	0.3	154	29.2		8.0		24.9		73.2		4.9		10.9		4		93				<0.2		1.1	
					Middle	3.9	0.2	134	29.0	29.0	8.0	8.0	25.4	25.4	72.2	72.2	4.8		17.7		8		95				<0.2		1.1	
						3.9	0.2	141	29.0		8.0		25.4		72.2		4.8		17.7		7		94				<0.2		1.1	
					Bottom	6.7	0.1	101	28.9	28.9	8.0	8.0	26.0	26.0	71.3	71.3	4.8	4.8	18.0		21		98				<0.2		1.0	
						6.7	0.1	110	28.9		8.0		26.0		71.3		4.8		18.0		20		97				<0.2		0.9	
IM7	Cloudy	Moderate	12:05	9.1	Surface	1.0	0.1	129	29.2	29.2	8.0	8.0	24.6	24.6	72.5	72.5	4.9	4.9	16.8	21.9	14	19	94	96	821347	806830	<0.2	<0.2	1.2	1.1
						1.0	0.1	134	29.2		8.0		24.6		72.5		4.9		16.8		14		94				<0.2		1.2	
					Middle	4.6	0.2	97	28.9	28.9	8.0	8.0	25.6	25.6	71.5	71.6	4.8		21.6		18		96				<0.2		1.1	
						4.6	0.2	98	28.9		8.0		25.6		71.6		4.8		21.4		17		95				<0.2		1.1	
					Bottom	8.1	0.2	93	28.9	28.9	8.0	8.0	25.6	25.6	71.5	71.6	4.8	4.8	27.4		26		99				<0.2		0.8	
						8.1	0.2	101	28.9		8.0		25.6		71.6		4.8		27.4		27		98				<0.2		0.9	
IM8	Sunny	Moderate	12:28	8.2	Surface	1.0	0.3	117	29.7	29.7	7.9	7.9	21.7	21.7	71.1	71.1	4.8	4.9	12.2	17.5	8	11	91	93	821709	807848	<0.2	<0.2	2.2	1.6
						1.0	0.3	117	29.7		7.9		21.7		71.1		4.8		12.2		6		91				<0.2		2.1	
					Middle	4.1	0.3	65	29.4	29.4	8.0	8.0	24.3	24.3	73.0	73.1	4.9		14.8		12		93				<0.2		1.5	
						4.1	0.3	66	29.4		8.0		24.3		73.1		4.9		14.8		12		94				<0.2		1.5	
					Bottom	7.2	0.3	64	29.3	29.3	8.0	8.0	25.3	25.3	75.9	75.9	5.1	5.1	25.6		14		96				<0.2		1.0	
						7.2	0.3	68	29.3		8.0		25.3		75.9		5.1		25.6		14		95				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 September 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	12:35	7.7	Surface	1.0	0.4	105	29.9	29.9	7.9	7.9	21.8	21.8	71.3	71.3	4.8	4.8	15.2	20.9	5	11	89	93	822103	808822	<0.2	<0.2	1.9	1.7
						1.0	0.5	105	29.9		7.9		21.8		71.3		4.8		15.2		5		90				<0.2		1.9	
					Middle	3.9	0.4	100	29.4	29.4	8.0	8.0	24.2	24.2	71.7	71.7	4.8		21.0		11		93				<0.2		1.7	
						3.9	0.4	106	29.4		8.0		24.2		71.7		4.8		21.0		12		94				<0.2		1.6	
					Bottom	6.7	0.3	73	29.3	29.3	8.0	8.0	25.2	25.2	74.0	74.1	4.9	4.9	26.6		15		96				<0.2		1.5	
						6.7	0.3	77	29.3		8.0		25.2		74.1		4.9		26.6		16		96				<0.2		1.4	
IM10	Sunny	Moderate	12:42	7.1	Surface	1.0	0.6	127	29.8	29.8	7.9	7.9	21.3	21.3	70.8	70.8	4.8	4.8	15.2	19.4	11	13	90	93	822242	809854	<0.2	<0.2	2.2	1.8
						1.0	0.6	139	29.8		7.9		21.3		70.8		4.8		15.2		9		91				<0.2		2.0	
					Middle	3.6	0.5	96	29.4	29.4	7.9	7.9	23.3	23.3	71.1	71.1	4.8		20.4		12		94				<0.2		1.8	
						3.6	0.6	96	29.4		7.9		23.3		71.1		4.8		20.4		13		94				<0.2		1.8	
					Bottom	6.1	0.4	82	29.3	29.3	8.0	8.0	25.0	25.0	75.5	75.5	5.0	5.0	22.5		16		95				<0.2		1.5	
						6.1	0.4	87	29.3		8.0		25.0		75.5		5.0		22.5		16		95				<0.2		1.4	
IM11	Sunny	Moderate	12:59	6.4	Surface	1.0	0.6	115	29.7	29.7	7.9	7.9	22.1	22.1	71.9	71.9	4.8	4.9	14.3	17.6	11	21	91	94	821513	810556	<0.2	<0.2	1.5	1.5
						1.0	0.6	122	29.7		7.9		22.1		71.9		4.8		14.3		13		92				<0.2		1.7	
					Middle	3.2	0.6	108	29.6	29.6	8.0	8.0	22.5	22.5	74.3	74.3	5.0		18.3		15		94				<0.2		1.7	
						3.2	0.6	110	29.6		8.0		22.5		74.3		5.0		18.3		14		94				<0.2		1.8	
					Bottom	5.4	0.5	93	29.5	29.5	8.0	8.0	24.0	24.0	78.3	78.3	5.2	5.2	20.1		34		96				<0.2		1.1	
						5.4	0.5	93	29.5		8.0		24.0		78.3		5.2		20.1		37		97				<0.2		1.2	
IM12	Sunny	Moderate	13:05	9.3	Surface	1.0	0.7	105	29.8	29.8	8.0	8.0	22.0	22.0	73.0	73.0	4.9	4.9	7.8	12.8	11	16	90	92	821143	811515	<0.2	<0.2	2.0	1.6
						1.0	0.7	111	29.8		8.0		22.0		73.0		4.9		7.8		10		90				<0.2		1.8	
					Middle	4.7	0.6	88	29.6	29.6	8.0	8.0	23.5	23.5	73.4	73.4	4.9		12.2		12		92				<0.2		1.6	
						4.7	0.7	95	29.6		8.0		23.5		73.4		4.9		12.2		12		92				<0.2		1.6	
					Bottom	8.3	0.5	81	29.5	29.5	8.0	8.0	23.9	23.9	76.5	76.5	5.1	5.1	18.3		26		95				<0.2		1.2	
						8.3	0.5	81	29.5		8.0		23.9		76.5		5.1		18.3		25		94				<0.2		1.1	
SR2	Sunny	Moderate	13:35	5.1	Surface	1.0	0.6	76	29.5	29.5	8.0	8.0	22.9	22.9	74.2	74.2	5.0	5.0	11.4	12.5	14	15	92	93	821443	814165	<0.2	<0.2	1.7	1.6
						1.0	0.6	78	29.5		8.0		22.9		74.2		5.0		11.4		14		91				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.4	68	29.5	29.5	8.0	8.0	23.4	23.4	77.2	77.2	5.2	5.2	13.5		15		94				<0.2		1.4	
						4.1	0.4	72	29.5		8.0		23.4		77.2		5.2		13.5		16		94				<0.2		1.6	
SR3	Sunny	Moderate	12:22	9.5	Surface	1.0	0.3	157	29.6	29.6	7.9	7.9	22.1	22.1	70.3	70.3	4.7	4.8	12.8	13.9	9	19	-	-	822156	807562	-	-	-	-
						1.0	0.3	166	29.6		7.9		22.1		70.3		4.7		12.8		11		-				-		-	
					Middle	4.8	0.3	94	29.4	29.4	7.9	7.9	23.6	23.6	72.2	72.2	4.8		13.2		20		-				-		-	
						4.8	0.3	100	29.4		7.9		23.6		72.2		4.8		13.2		18		-				-		-	
					Bottom	8.5	0.3	54	29.3	29.3	8.0	8.0	25.3	25.3	74.2	74.2	4.9	4.9	15.8		28		-				-		-	
						8.5	0.4	57	29.3		8.0		25.3		74.2		4.9		15.8		29		-				-		-	
SR4A	Cloudy	Moderate	13:30	9.3	Surface	1.0	0.4	66	29.5	29.5	8.0	8.0	23.0	23.0	76.4	76.4	5.1	5.0	6.8	16.0	9	9	-	-	817208	807808	-	-	-	-
						1.0	0.4	67	29.5		8.0		23.0		76.3		5.1		6.9		8		-				-		-	
					Middle	4.7	0.4	75	29.2	29.2	8.0	8.0	23.8	23.8	73.2	73.2	4.9		15.4		10		-				-		-	
						4.7	0.4	82	29.2		8.0		23.8		73.2		4.9		15.5		9		-				-		-	
					Bottom	8.3	0.2	67	29.1	29.1	8.0	8.0	24.4	24.4	72.8	72.8	4.9	4.9	25.9		9		-				-		-	
						8.3	0.2	69	29.1		8.0		24.4		72.8		4.9		25.7		9		-				-		-	
SR5A	Cloudy	Moderate	13:46	5.4	Surface	1.0	0.1	71	29.3	29.3	8.0	8.0	23.4	23.4	75.2	75.2	5.1	5.1	13.4	15.6	8	10	-	-	816589	810690	-	-	-	-
						1.0	0.1	73	29.3		8.0		23.4		75.2		5.1		13.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	105	29.2	29.2	8.0	8.0	24.1	24.1	74.8	74.9	5.0	5.0	17.8		12		-				-		-	
						4.4	0.1	106	29.2		8.0		24.1		74.9		5.0		17.8		12		-				-		-	
SR6	Cloudy	Moderate	14:08	4.2	Surface	1.0	0.2	68	29.7	29.7	8.0	8.0	22.4	22.4	80.1	80.1	5.4	5.4	5.9	9.9	7	7	-	-	817917	814667	-	-	-	-
						1.0	0.2	73	29.7		8.0		22.4		80.1		5.4		5.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	58	29.2	29.2	8.0	8.0	23.1	23.1	79.5	79.5	5.4	5.4	13.9		8		-				-		-	
						3.2	0.1	59	29.2		8.0		23.1		79.5		5.4		13.9		6		-				-		-	
SR7	Sunny	Moderate	14:21	16.3	Surface	1.0	0.9	77	29.7	29.7	7.9	7.9	23.3	23.3	78.0	78.0	5.2	5.0	9.3	10.0	6	6	-	-	823622	823752	-	-	-	-
						1.0	0.9	82	29.6		7.9		23.3		78.0		5.2		9.3		6		-				-		-	
					Middle	8.2	0.4	73	29.3	29.3	7.9	7.9	24.7	24.7	72.1	72.1	4.8		10.1		6		-				-		-	
						8.2	0.5	75	29.3		7.9		24.7		72.1		4.8		10.1		5		-				-		-	
					Bottom	15.3	0.2	81	29.1	29.1	7.9	7.9	25.6	25.6	72.1	72.1	4.8	4.8	10.5		7		-				-		-	
						15.3	0.3	86	29.1		7.9		25.6		72.1		4.8		10.5		6		-				-		-	
SR8	Sunny	Moderate	13:13	4.2	Surface	1.0	-	-	29.8	29.8	7.9	7.9	22.6	22.6	73.5	73.5	4.9	4.9	18.2	19.2	9	9	-	-	820246	811418	-	-	-	-
						1.0	-	-	29.8		7.9		22.6		73.5		4.9		18.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.6	29.6	7.9	7.9	22.9	22.9	77.3	77.4	5.2	5.2	20.2		11		-				-		-	
						3.2	-	-	29.6		7.9		22.9		77.5		5.2		20.2		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 21 September 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	07:35	9.0	Surface	1.0	0.7	43	29.0	29.0	8.0	8.0	24.9	24.9	73.0	73.0	4.9	4.9	18.6	22.6	17	22	93	96	815627	804264	<0.2	<0.2	1.1	1.1
						1.0	0.8	45	29.0		8.0		24.9		73.0		4.9		18.3		17		94				<0.2		1.0	
					Middle	4.5	0.6	36	28.9	28.9	8.0	8.0	25.3	25.3	72.3	72.3	4.8		22.4		20		96				<0.2		1.2	
						4.5	0.7	36	28.9		8.0		25.3		72.3		4.8		22.4		21		96				<0.2		1.4	
					Bottom	8.0	0.6	39	28.9	28.9	8.0	8.0	25.5	25.5	72.2	72.2	4.8	4.8	26.8		27		98				<0.2		1.1	
						8.0	0.6	39	28.9		8.0		25.5		72.2		4.8		26.8		29		98				<0.2		1.0	
C2	Cloudy	Moderate	08:34	12.7	Surface	1.0	0.4	356	29.7	29.7	7.7	7.7	18.7	18.7	64.2	64.2	4.4	4.4	7.3	13.9	6	6	89	91	825693	806930	<0.2	<0.2	2.6	2.4
						1.0	0.4	328	29.7		7.7		18.7		64.2		4.4		7.3		6		90				<0.2		2.4	
					Middle	6.4	0.5	342	29.6	29.6	7.8	7.8	20.5	20.5	64.3	64.3	4.4		12.5		7		91				<0.2		2.5	
						6.4	0.5	344	29.6		7.8		20.5		64.3		4.4		12.5		6		91				<0.2		2.6	
					Bottom	11.7	0.4	13	29.5	29.5	7.8	7.8	21.7	21.7	65.3	65.3	4.4	4.4	22.0		6		92				<0.2		2.1	
						11.7	0.4	13	29.5		7.8		21.7		65.3		4.4		22.0		7		92				<0.2		2.4	
C3	Cloudy	Moderate	06:33	12.3	Surface	1.0	0.7	266	29.4	29.4	8.0	8.0	22.7	22.7	71.0	71.0	4.8	4.7	9.2	11.6	8	11	91	93	822105	817798	<0.2	<0.2	1.6	1.5
						1.0	0.7	276	29.4		8.0		22.7		71.0		4.8		9.2		9		91				<0.2		1.7	
					Middle	6.2	0.7	258	29.3	29.3	7.9	7.9	23.8	23.8	69.2	69.2	4.6		12.2		9		94				<0.2		1.4	
						6.2	0.8	266	29.3		7.9		23.8		69.2		4.6		12.2		8		93				<0.2		1.5	
					Bottom	11.3	0.4	271	29.0	29.0	7.9	7.9	25.5	25.5	68.5	68.5	4.6	4.6	13.5		17		96				<0.2		1.3	
						11.3	0.4	282	29.0		7.9		25.5		68.5		4.6		13.5		17		95				<0.2		1.2	
IM1	Cloudy	Moderate	07:51	7.8	Surface	1.0	0.8	351	29.1	29.1	8.0	8.0	23.6	23.6	73.9	73.9	5.0	5.0	5.7	14.9	6	9	92	96	818361	806442	<0.2	<0.2	1.3	1.5
						1.0	0.9	359	29.1		8.0		23.6		73.9		5.0		5.7		4		92				<0.2		1.3	
					Middle	3.9	0.8	356	29.1	29.1	8.0	8.0	23.9	23.9	73.2	73.2	4.9		9.0		6		96				<0.2		1.7	
						3.9	0.9	328	29.1		8.0		23.9		73.1		4.9		9.0		5		96				<0.2		1.7	
					Bottom	6.8	0.6	353	29.1	29.1	8.0	8.0	24.6	24.6	72.8	72.8	4.9	4.9	30.4		18		99				<0.2		1.4	
						6.8	0.6	325	29.1		8.0		24.6		72.8		4.9		29.8		16		99				<0.2		1.3	
IM2	Cloudy	Moderate	07:57	8.8	Surface	1.0	0.8	28	29.0	29.0	8.0	8.0	22.9	22.9	73.9	73.9	5.0	4.9	8.3	17.9	6	9	94	97	818835	806190	<0.2	<0.2	1.6	1.4
						1.0	0.8	29	29.0		8.0		22.9		73.9		5.0		8.4		6		95				<0.2		1.5	
					Middle	4.4	0.6	28	29.1	29.1	8.0	8.0	24.5	24.5	72.0	72.1	4.8		18.3		6		96				<0.2		1.3	
						4.4	0.7	30	29.1		8.0		24.5		72.1		4.8		18.1		6		97				<0.2		1.3	
					Bottom	7.8	0.4	32	29.1	29.1	8.0	8.0	24.7	24.7	72.2	72.2	4.8	4.8	27.2		14		101				<0.2		1.1	
						7.8	0.5	32	29.1		8.0		24.7		72.2		4.8		27.2		13		101				<0.2		1.3	
IM3	Cloudy	Moderate	08:04	9.2	Surface	1.0	0.6	22	29.1	29.1	8.0	8.0	22.4	22.4	73.1	73.1	5.0	5.0	7.2	20.7	5	6	95	98	819418	806022	<0.2	<0.2	2.0	1.5
						1.0	0.6	24	29.1		8.0		22.4		73.1		5.0		7.2		5		96				<0.2		1.5	
					Middle	4.6	0.7	29	29.1	29.1	8.0	8.0	24.2	24.2	72.2	72.2	4.9		20.5		5		97				<0.2		1.5	
						4.6	0.7	29	29.1		8.0		24.2		72.1		4.9		20.6		6		98				<0.2		1.4	
					Bottom	8.2	0.4	29	29.1	29.1	8.0	8.0	24.6	24.6	73.1	73.1	4.9	4.9	34.4		7		99				<0.2		1.3	
						8.2	0.4	31	29.1		8.0		24.6		73.1		4.9		34.4		7		100				<0.2		1.3	
IM4	Cloudy	Moderate	08:13	8.4	Surface	1.0	0.6	20	29.2	29.2	8.0	8.0	22.3	22.3	72.3	72.3	4.9	4.9	10.3	17.3	9	10	95	98	819560	805023	<0.2	<0.2	1.4	1.5
						1.0	0.7	20	29.2		8.0		22.3		72.3		4.9		10.3		9		95				<0.2		1.6	
					Middle	4.2	0.6	23	29.1	29.1	8.0	8.0	23.1	23.1	72.3	72.3	4.9		18.6		7		99				<0.2		1.5	
						4.2	0.7	23	29.1		8.0		23.1		72.3		4.9		18.8		7		99				<0.2		1.6	
					Bottom	7.4	0.5	19	29.0	29.0	8.0	8.0	24.6	24.6	72.5	72.5	4.9	4.9	22.9		13		101				<0.2		1.6	
						7.4	0.5	20	29.0		8.0		24.6		72.5		4.9		22.9		14		101				<0.2		1.3	
IM5	Cloudy	Moderate	08:23	7.7	Surface	1.0	0.8	14	29.2	29.2	8.0	8.0	21.8	21.8	71.5	71.5	4.9	4.9	8.0	19.4	7	10	94	97	820560	804923	<0.2	<0.2	1.7	1.6
						1.0	0.8	14	29.2		8.0		21.8		71.5		4.9		8.0		6		95				<0.2		1.5	
					Middle	3.9	0.7	28	29.2	29.2	8.0	8.0	22.7	22.7	71.6	71.7	4.9		18.8		6		96				<0.2		1.5	
						3.9	0.7	30	29.2		8.0		22.7		71.7		4.9		18.8		7		97				<0.2		1.6	
					Bottom	6.7	0.5	25	29.1	29.1	8.0	8.0	23.9	23.9	72.0	72.0	4.9	4.9	31.5		16		101				<0.2		1.5	
						6.7	0.5	25	29.1		8.0		23.9		72.0		4.9		31.5		16		101				<0.2		1.7	
IM6	Cloudy	Moderate	08:32	7.3	Surface	1.0	0.5	5	29.2	29.2	8.0	8.0	22.3	22.3	71.5	71.5	4.8	4.8	16.5	21.8	10	11	93	96	821078	805847	<0.2	<0.2	1.8	1.8
						1.0	0.5	5	29.2		8.0		22.3		71.5		4.8		16.7		9		94				<0.2		1.9	
					Middle	3.7	0.5	14	29.1	29.1	8.0	8.0	23.5	23.5	71.2	71.2	4.8		20.9		9		95				<0.2		2.0	
						3.7	0.5	14	29.1		8.0		23.5		71.2		4.8		20.9		8		96				<0.2		1.9	
					Bottom	6.3	0.4	32	29.1	29.1	8.0	8.0	23.8	23.8	71.5	71.5	4.8	4.8	27.8		16		98				<0.2		1.7	
						6.3	0.5	34	29.1		8.0		23.8		71.5		4.8		27.9		15		98				<0.2		1.6	
IM7	Cloudy	Moderate	08:41	9.0	Surface	1.0	0.9	44	29.2	29.2	8.0	8.0	22.8	22.8	72.8	72.8	4.9	4.9	13.3	18.5	5	6	95	97	821354	806823	<0.2	<0.2	1.6	1.6
						1.0	0.9	45	29.2		8.0		22.8		72.8		4.9		13.3		6		95				<0.2		1.8	
					Middle	4.5	0.7	44	29.1	29.1	8.0	8.0	23.6	23.6	71.5	71.5	4.8		17.4		5		96				<0.2		1.5	
						4.5	0.8	47	29.1		8.0		23.6		71.5		4.8		17.4		6		96				<0.2		1.6	
					Bottom	8.0	0.5	28	29.1	29.1	8.0	8.0	23.8	23.8	72.2	72.2	4.9	4.9	24.9		8		99				<0.2		1.6	
						8.0	0.6	29	29.1		8.0		23.8		72.2		4.9		24.9		7		100				<0.2		1.6	
IM8	Cloudy	Moderate	08:10	8.8	Surface	1.0	0.3	359	29.6	29.6	7.9	7.9	20.3	20.3	69.6	69.6	4.7	4.8	13.2	18.6	4	17	90	92	821700	807838	<0.2	<0.2	2.5	2.2
						1.0	0.3	330	29.6		7.9		20.3		69.6		4.7		13.2		5		91				<0.2		2.4	
					Middle	4.4	0.5	-	29.5	29.5	7.9	7.9	21.2	21.2	70.1	70.1	4.8		16.6		18		92				<0.2		2.3	
						4.4	0.5	-	29.5		7.9		21.2		70.1		4.8		16.6		20		93				<0.2		2.2	
					Bottom	7.8	0.5	19	29.5	29.5	7.9	7.9	21.6	21.6	71.3	71.3	4.8	4.8	25.9		25		92				<0.2		2.0	
						7.8	0.5	19	29.5		7.9		21.6		71.3		4.8		25.9		27		93				<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 21 September 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	08:02	7.8	Surface	1.0	0.2	6	29.6	29.6	8.0	8.0	19.9	19.9	66.9	66.9	4.6	4.7	10.8	17.1	7	17	91	92	822094	808797	<0.2	<0.2	2.7	2.4
						1.0	0.2	6	29.6		8.0		19.9		66.9		4.6		10.8		5		90				<0.2		2.6	
					Middle	3.9	0.2	352	29.6	29.6	7.9	7.9	20.2	20.2	68.3	68.3	4.7		14.5		18		92				<0.2		2.3	
						3.9	0.2	324	29.6		7.9		20.2		68.3		4.7		14.5		19		92				<0.2		2.3	
					Bottom	6.8	0.3	307	29.6	29.6	7.8	7.8	20.7	20.7	72.6	72.6	4.9	4.9	25.9		26		94				<0.2		2.1	
						6.8	0.3	324	29.6		7.8		20.7		72.6		4.9		25.9		26		94				<0.2		2.2	
IM10	Cloudy	Moderate	07:54	7.2	Surface	1.0	0.7	309	29.5	29.5	7.9	7.9	21.9	21.9	71.6	71.6	4.8	4.9	13.3	18.3	5	11	90	91	822255	809819	<0.2	<0.2	2.0	1.9
						1.0	0.7	312	29.5		7.9		21.9		71.6		4.8		13.3		5		89				<0.2		2.1	
					Middle	3.6	0.6	308	29.4	29.4	7.9	7.9	22.5	22.5	72.2	72.2	4.9		17.0		10		91				<0.2		1.8	
						3.6	0.6	314	29.4		7.9		22.5		72.2		4.9		17.0		11		91				<0.2		1.8	
					Bottom	6.2	0.5	317	29.4	29.4	7.9	7.9	22.7	22.7	75.0	75.0	5.1	5.1	24.6		16		92				<0.2		1.8	
						6.2	0.5	325	29.4		7.9		22.7		75.0		5.1		24.6		16		93				<0.2		1.9	
IM11	Cloudy	Moderate	07:38	7.8	Surface	1.0	0.7	287	29.4	29.4	7.9	7.9	22.1	22.1	70.8	70.8	4.8	4.8	10.3	18.3	6	11	90	92	821512	810558	<0.2	<0.2	2.0	1.8
						1.0	0.7	298	29.4		7.9		22.1		70.8		4.8		10.3		6		89				<0.2		1.9	
					Middle	3.9	0.7	294	29.4	29.4	7.9	7.9	22.9	22.9	70.6	70.6	4.8		15.9		11		91				<0.2		1.7	
						3.9	0.7	311	29.4		7.9		22.9		70.6		4.8		15.9		12		92				<0.2		1.6	
					Bottom	6.8	0.5	294	29.4	29.4	7.9	7.9	23.0	23.0	71.9	71.9	4.8	4.8	28.8		15		93				<0.2		1.8	
						6.8	0.6	312	29.4		7.9		23.0		71.9		4.8		28.8		15		94				<0.2		1.5	
IM12	Cloudy	Moderate	07:26	8.2	Surface	1.0	0.8	271	29.3	29.3	7.9	7.9	22.7	22.7	71.6	71.6	4.8	4.8	11.6	17.7	9	12	89	91	821168	811505	<0.2	<0.2	1.4	1.5
						1.0	0.8	274	29.3		7.9		22.7		71.6		4.8		11.6		8		89				<0.2		1.4	
					Middle	4.1	0.7	261	29.3	29.3	7.9	7.9	22.8	22.8	71.1	71.1	4.8		15.8		8		91				<0.2		1.6	
						4.1	0.8	271	29.3		7.9		22.8		71.1		4.8		15.8		9		91				<0.2		1.6	
					Bottom	7.2	0.6	264	29.3	29.3	8.0	8.0	23.3	23.3	71.0	71.0	4.8	4.8	25.6		19		93				<0.2		1.4	
						7.2	0.6	274	29.3		8.0		23.3		71.0		4.8		25.6		20		93				<0.2		1.4	
SR2	Cloudy	Moderate	06:54	4.6	Surface	1.0	0.5	77	29.4	29.4	7.9	7.9	22.7	22.7	70.6	70.6	4.8	4.8	8.8	11.6	21	24	91	91	821446	814181	<0.2	<0.2	1.8	1.7
						1.0	0.5	77	29.4		7.9		22.7		70.6		4.8		8.8		22		90				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	74	29.4	29.4	7.9	7.9	22.9	22.9	72.5	72.6	4.9	4.9	14.3		26		91				<0.2		1.7	
						3.6	0.4	77	29.4		7.9		22.9		72.7		4.9		14.3		26		92				<0.2		1.6	
SR3	Cloudy	Moderate	08:15	9.6	Surface	1.0	0.4	30	29.6	29.6	7.8	7.8	19.2	19.2	68.8	68.8	4.7	4.7	12.4	18.8	9	8	-	-	822137	807575	-	-	-	-
						1.0	0.4	30	29.6		7.8		19.2		68.8		4.7		12.4		7		-				-		-	
					Middle	4.8	0.6	22	29.5	29.5	7.9	7.9	20.8	20.8	68.7	68.7	4.7		17.4		8		-				-		-	
						4.8	0.6	22	29.5		7.9		20.8		68.7		4.7		17.4		7		-				-		-	
					Bottom	8.6	0.5	12	29.5	29.5	7.9	7.9	21.3	21.3	69.9	69.9	4.7	4.7	26.6		8		-				-		-	
						8.6	0.5	13	29.5		7.9		21.3		69.9		4.7		26.6		7		-				-		-	
SR4A	Cloudy	Moderate	07:12	9.0	Surface	1.0	0.5	246	29.2	29.2	8.0	8.0	22.9	22.9	76.0	76.0	5.1	5.1	13.8	15.4	16	16	-	-	817172	807815	-	-	-	-
						1.0	0.5	250	29.2		8.0		22.9		76.0		5.1		13.8		15		-				-		-	
					Middle	4.5	0.4	255	29.2	29.2	8.0	8.0	22.9	22.9	76.0	76.0	5.1		14.0		15		-				-		-	
						4.5	0.4	258	29.2		8.0		22.9		76.0		5.1		14.0		15		-				-		-	
					Bottom	8.0	0.2	266	29.2	29.2	8.0	8.0	22.9	22.9	77.8	77.8	5.3	5.3	18.3		18		-				-		-	
						8.0	0.2	287	29.2		8.0		22.9		77.8		5.3		18.3		18		-				-		-	
SR5A	Cloudy	Moderate	06:56	4.9	Surface	1.0	0.4	302	29.0	29.0	8.0	8.0	22.9	22.9	75.5	75.5	5.1	5.1	12.7	15.0	13	14	-	-	816582	810704	-	-	-	-
						1.0	0.5	331	29.0		8.0		22.9		75.5		5.1		12.7		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.4	308	29.0	29.0	8.0	8.0	22.9	22.9	79.1	79.2	5.4	5.4	17.2		14		-				-		-	
						3.9	0.4	316	29.0		8.0		22.9		79.2		5.4		17.2		14		-				-		-	
SR6	Cloudy	Moderate	06:28	4.4	Surface	1.0	0.2	233	29.1	29.1	7.9	7.9	21.2	21.2	76.9	77.0	5.3	5.3	14.5	14.6	15	15	-	-	817889	814674	-	-	-	-
						1.0	0.2	248	29.1		7.9		21.2		77.0		5.3		14.5		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	263	29.1	29.1	7.9	7.9	21.8	21.8	74.6	74.6	5.1	5.1	14.7		14		-				-		-	
						3.4	0.2	282	29.1		7.9		21.8		74.6		5.1		14.7		15		-				-		-	
SR7	Cloudy	Moderate	06:02	16.2	Surface	1.0	0.3	156	29.3	29.3	7.9	7.9	23.5	23.5	78.0	78.0	5.3	5.1	6.5	8.8	6	7	-	-	823623	823740	-	-	-	-
						1.0	0.3	165	29.3		7.9		23.5		78.0		5.3		6.5		7		-				-		-	
					Middle	8.1	0.5	167	29.3	29.3	7.9	7.9	23.7	23.7	71.5	71.5	4.8		8.8		7		-				-		-	
						8.1	0.5	168	29.3		7.9		23.7		71.5		4.8		8.8		6		-				-		-	
					Bottom	15.2	0.4	168	29.0	29.0	7.9	7.9	25.6	25.6	68.2	68.2	4.6	4.6	11.1		8		-				-		-	
						15.2	0.4	173	29.0		7.9		25.6		68.2		4.6		11.1		8		-				-		-	
SR8	Cloudy	Moderate	07:16	4.0	Surface	1.0	0.0	0	29.5	29.5	7.9	7.9	21.1	21.1	71.7	71.7	4.9	4.9	16.2	17.5	14	18	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	29.5		7.9		21.1		71.7		4.9		16.2		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	0	29.5	29.5	7.9	7.9	21.5	21.5	76.3	76.4	5.2	5.2	18.8		23		-				-		-	
						3.0	0.0	0	29.5		7.9		21.5		76.5		5.2		18.8		21		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 September 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	14:23	9.0	Surface	1.0	0.4	222	29.5	29.5	8.0	8.0	22.9	22.9	78.3	78.3	5.3	5.2	3.8	9.7	6	7	92	94	815600	804259	<0.2	<0.2	1.4	1.3
						1.0	0.4	239	29.5		8.0		22.9		78.3		5.3		3.8		7		92				<0.2		1.4	
					Middle	4.5	0.3	193	29.1	29.1	8.1	8.1	24.7	24.7	76.0	76.0	5.1		6.9		7		94				<0.2		1.3	
						4.5	0.3	199	29.1		8.1		24.7		76.0		5.1		6.9		8		94				<0.2		1.3	
					Bottom	8.0	0.4	208	28.8	28.8	8.1	8.1	26.6	26.6	73.2	73.2	4.9	4.9	18.5		7		97				<0.2		1.1	
						8.0	0.4	210	28.8		8.1		26.6		73.2		4.9		18.3		7		96				<0.2		1.1	
C2	Sunny	Moderate	13:09	12.1	Surface	1.0	0.3	178	30.2	30.2	7.8	7.8	19.6	19.6	69.4	69.4	4.7	4.6	5.6	4.5	7	8	91	94	825671	806955	<0.2	<0.2	2.4	2.3
						1.0	0.3	182	30.2		7.8		19.6		69.4		4.7		5.6		5		90				<0.2		2.4	
					Middle	6.1	0.3	172	29.4	29.4	7.9	7.9	23.3	23.3	66.9	66.9	4.5		5.8		9		93				<0.2		2.4	
						6.1	0.3	181	29.4		7.9		23.3		66.9		4.5		5.8		8		94				<0.2		2.3	
					Bottom	11.1	0.2	140	29.3	29.3	7.9	7.9	25.3	25.3	67.0	67.0	4.5	4.5	2.1		9		96				<0.2		2.3	
						11.1	0.2	146	29.3		7.9		25.3		67.0		4.5		2.1		9		97				<0.2		2.2	
C3	Sunny	Moderate	15:10	12.2	Surface	1.0	0.3	75	29.9	29.9	7.9	7.9	22.9	22.9	73.4	73.4	4.9	4.8	10.0	10.8	6	10	93	96	822097	817785	<0.2	<0.2	1.6	1.6
						1.0	0.3	77	29.9		7.9		22.9		73.4		4.9		10.0		8		94				<0.2		1.6	
					Middle	6.1	0.2	88	29.3	29.3	7.9	7.9	25.3	25.3	69.9	69.9	4.7		14.7		10		97				<0.2		1.6	
						6.1	0.2	96	29.3		7.9		25.3		69.9		4.7		14.7		10		96				<0.2		1.6	
					Bottom	11.2	0.2	61	29.2	29.2	7.9	7.9	25.8	25.8	73.0	73.0	4.9	4.9	7.7		15		98				<0.2		1.7	
						11.2	0.2	66	29.2		7.9		25.8		73.0		4.9		7.7		13		99				<0.2		1.7	
IM1	Fine	Moderate	14:05	7.7	Surface	1.0	0.1	158	29.4	29.4	8.0	8.0	23.2	23.2	77.6	77.6	5.2	5.1	3.9	9.3	7	8	94	96	818341	806471	<0.2	<0.2	1.4	1.3
						1.0	0.1	173	29.4		8.0		23.1		77.5		5.2		3.9		5		94				<0.2		1.4	
					Middle	3.9	0.2	171	28.9	28.9	8.0	8.0	25.5	25.5	72.5	72.5	4.9		8.6		6		95				<0.2		1.4	
						3.9	0.2	181	28.9		8.0		25.5		72.5		4.9		8.7		6		95				<0.2		1.4	
					Bottom	6.7	0.1	163	28.9	28.9	8.0	8.0	25.8	25.8	72.4	72.4	4.8	4.8	15.5		10		99				<0.2		1.0	
						6.7	0.1	170	28.9		8.0		25.8		72.4		4.8		15.4		12		99				<0.2		1.0	
IM2	Fine	Moderate	13:59	8.7	Surface	1.0	0.1	225	29.3	29.3	8.0	8.0	23.5	23.6	77.3	77.3	5.2	5.0	4.5	10.5	8	10	94	96	818870	806193	<0.2	<0.2	1.3	1.2
						1.0	0.1	234	29.3		8.0		23.6		77.2		5.2		4.6		9		93				<0.2		1.3	
					Middle	4.4	0.1	183	28.9	28.9	8.0	8.0	25.8	25.8	71.4	71.4	4.8		11.1		7		96				<0.2		1.4	
						4.4	0.1	186	28.9		8.0		25.8		71.4		4.8		11.2		7		95				<0.2		1.4	
					Bottom	7.7	0.2	192	28.9	28.9	8.0	8.0	25.9	25.9	71.4	71.4	4.8	4.8	16.0		14		99				<0.2		1.0	
						7.7	0.2	210	28.9		8.0		25.9		71.4		4.8		15.8		13		99				<0.2		1.0	
IM3	Fine	Moderate	13:51	8.8	Surface	1.0	0.0	169	29.3	29.3	8.0	8.0	23.5	23.5	77.1	77.1	5.2	5.1	4.2	11.5	5	7	93	96	819418	805999	<0.2	<0.2	1.1	1.2
						1.0	0.0	172	29.3		8.0		23.5		77.1		5.2		4.2		6		93				<0.2		1.1	
					Middle	4.4	0.1	159	29.1	29.1	8.0	8.0	25.1	25.1	73.3	73.3	4.9		9.2		6		96				<0.2		1.4	
						4.4	0.2	168	29.1		8.0		25.1		73.3		4.9		9.3		6		96				<0.2		1.2	
					Bottom	7.8	0.1	210	28.9	28.9	8.0	8.0	25.8	25.8	72.1	72.2	4.8	4.8	21.0		9		100				<0.2		1.3	
						7.8	0.1	210	28.9		8.0		25.8		72.2		4.8		21.0		8		99				<0.2		1.2	
IM4	Fine	Moderate	13:44	8.3	Surface	1.0	0.4	177	29.5	29.5	8.0	8.0	25.2	25.2	75.7	75.7	5.0	4.9	6.7	10.5	9	11	94	96	819554	805040	<0.2	<0.2	1.0	1.1
						1.0	0.4	194	29.5		8.0		25.2		75.6		5.0		6.8		11		94				<0.2		1.1	
					Middle	4.2	0.2	167	28.9	28.9	8.1	8.1	26.1	26.1	71.3	71.3	4.8		10.3		9		95				<0.2		1.0	
						4.2	0.2	173	28.9		8.1		26.1		71.3		4.8		10.4		10		95				<0.2		1.1	
					Bottom	7.3	0.2	157	28.9	28.9	8.1	8.1	26.4	26.4	71.5	71.5	4.8	4.8	14.4		14		99				<0.2		1.0	
						7.3	0.2	162	28.9		8.1		26.4		71.5		4.8		14.5		14		98				<0.2		1.1	
IM5	Fine	Moderate	13:33	7.5	Surface	1.0	0.3	189	29.2	29.2	8.0	8.0	25.0	25.0	73.6	73.6	4.9	4.9	8.9	9.8	8	10	93	96	820551	804941	<0.2	<0.2	1.2	1.2
						1.0	0.3	189	29.2		8.0		25.0		73.5		4.9		8.9		10		94				<0.2		1.2	
					Middle	3.8	0.3	184	29.1	29.1	8.0	8.0	25.2	25.2	72.2	72.2	4.8		10.6		10		96				<0.2		1.2	
						3.8	0.3	200	29.1		8.0		25.2		72.2		4.8		10.6		10		95				<0.2		1.2	
					Bottom	6.5	0.2	185	29.0	29.0	8.0	8.0	25.9	25.9	73.5	73.5	4.9	4.9	9.8		9		99				<0.2		1.2	
						6.5	0.2	202	29.0		8.0		25.9		73.5		4.9		9.8		10		98				<0.2		1.3	
IM6	Fine	Moderate	13:21	7.0	Surface	1.0	0.2	116	29.5	29.5	8.0	8.0	24.4	24.4	75.3	75.3	5.0	5.0	6.6	10.1	8	11	93	96	821060	805846	<0.2	<0.2	1.4	1.4
						1.0	0.2	118	29.5		8.0		24.4		75.3		5.0		6.6		10		94				<0.2		1.4	
					Middle	3.5	0.1	105	29.1	29.1	8.0	8.0	25.2	25.2	73.1	73.1	4.9		9.2		12		97				<0.2		1.4	
						3.5	0.1	111	29.1		8.0		25.2		73.1		4.9		9.3		13		96				<0.2		1.4	
					Bottom	6.0	0.2	126	29.0	29.0	8.0	8.0	25.5	25.5	71.9	71.9	4.8	4.8	14.3		12		99				<0.2		1.2	
						6.0	0.2	131	29.0		8.0		25.5		71.9		4.8		14.3		11		99				<0.2		1.4	
IM7	Fine	Moderate	13:11	9.0	Surface	1.0	0.2	234	29.4	29.4	8.0	8.0	24.4	24.4	73.7	73.7	4.9	4.9	11.0	16.8	12	15	94	96	821333	806841	<0.2	<0.2	1.4	1.4
						1.0	0.2	244	29.4		8.0		24.4		73.7		4.9		11.1		13		94				<0.2		1.4	
					Middle	4.5	0.1	64	29.0	29.0	8.0	8.0	25.1	25.1	71.2	71.2	4.8		15.7		17		97				<0.2		1.4	
						4.5	0.1	65	29.0		8.0		25.1		71.2		4.8		15.8		16		96				<0.2		1.4	
					Bottom	8.0	0.2	58	29.0	29.0	8.0	8.0	25.5	25.5	71.3	71.3	4.8	4.8	23.7		15		98				<0.2		1.4	
						8.0	0.2	62	29.0		8.0		25.5		71.3		4.8		23.6		15		97				<0.2		1.4	
IM8	Sunny	Moderate	13:33	8.9	Surface	1.0	0.3	141	29.9	29.9	7.9	7.9	21.3	21.3	71.5	71.5	4.8	4.8	12.2	21.0	12	12	91	94	821700	807826	<0.2	<0.2	1.9	2.0
						1.0	0.3	150	29.9		7.9		21.3		71.5		4.8		12.2		11		91				<0.2		1.9	
					Middle	4.5	0.2	94	29.3	29.3	8.0	8.0	24.9	24.9	70.9	70.9	4.7		22.4		11		94				<0.2		2.2	
						4.5	0.2	99	29.3		8.0		24.9		70.9		4.7		22.4		13		93				<0.2		2.1	
					Bottom	7.9	0.2	73	29.3	29.3	7.9	7.9	25.1	25.1	74.2	74.2	4.9	4.9	28.5		13		96				<0.2		2.0	
						7.9	0.2	77	29.3		7.9		25.1		74.2		4.9		28.5		12		97				<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 23 September 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	13:42	7.7	Surface	1.0	0.4	120	30.0	30.0	7.9	7.9	20.9	20.9	73.5	73.5	5.0	4.9	10.0	18.6	8	8	92	94	822081	808824	<0.2	<0.2	2.3	2.2
						1.0	0.4	120	30.0		7.9		20.9		73.5		5.0		10.0		7		91				<0.2		2.2	
					Middle	3.9	0.4	86	29.5	29.5	7.9	7.9	24.0	24.0	72.4	72.4	4.8		15.4		8		94				<0.2		2.2	
						3.9	0.4	90	29.5		7.9		24.0		72.4		4.8		15.4		7		94				<0.2		2.2	
					Bottom	6.7	0.4	66	29.4	29.4	7.9	7.9	24.6	24.6	74.3	74.3	5.0	5.0	30.4		8		96				<0.2		2.2	
						6.7	0.4	72	29.4		7.9		24.6		74.3		5.0		30.4		8		95				<0.2		2.1	
IM10	Sunny	Moderate	13:49	7.3	Surface	1.0	0.5	120	29.8	29.8	7.9	7.9	21.7	21.7	72.4	72.4	4.9	5.0	11.9	20.1	10	11	91	92	822250	809853	<0.2	<0.2	1.9	2.0
						1.0	0.5	123	29.8		7.9		21.7		72.4		4.9		11.9		9		91				<0.2		2.0	
					Middle	3.7	0.5	102	29.5	29.5	8.0	8.0	22.2	22.2	73.4	73.4	5.0		22.4		10		93				<0.2		2.1	
						3.7	0.6	111	29.5		8.0		22.2		73.4		5.0		22.4		12		86				<0.2		2.0	
					Bottom	6.3	0.4	85	29.4	29.4	8.0	8.0	24.5	24.5	75.2	75.2	5.0	5.0	26.0		14		96				<0.2		2.0	
						6.3	0.5	86	29.4		8.0		24.5		75.2		5.0		26.0		13		97				<0.2		2.0	
IM11	Sunny	Moderate	14:06	8.4	Surface	1.0	0.5	113	30.3	30.3	8.0	8.0	21.5	21.5	75.7	75.7	5.1	5.0	10.5	17.6	8	8	91	94	821492	810543	<0.2	<0.2	2.0	2.1
						1.0	0.5	122	30.3		8.0		21.5		75.7		5.1		10.5		6		92				<0.2		2.0	
					Middle	4.2	0.4	102	29.7	29.7	8.1	8.1	22.9	22.9	73.0	73.0	4.9		15.9		8		94				<0.2		1.9	
						4.2	0.4	107	29.7		8.1		22.9		73.0		4.9		15.9		9		94				<0.2		2.2	
					Bottom	7.4	0.3	74	29.5	29.5	8.0	8.0	24.3	24.3	75.1	75.2	5.0	5.0	26.5		10		98				<0.2		2.1	
						7.4	0.3	81	29.5		8.0		24.3		75.2		5.0		26.5		8		96				<0.2		2.3	
IM12	Sunny	Moderate	14:14	9.2	Surface	1.0	0.5	114	30.1	30.1	8.0	8.0	21.9	21.9	75.4	75.4	5.1	5.0	10.6	15.3	13	12	91	94	821156	811535	<0.2	<0.2	2.1	2.1
						1.0	0.5	114	30.1		8.0		21.9		75.4		5.1		10.6		12		92				<0.2		1.9	
					Middle	4.6	0.6	91	29.6	29.6	8.0	8.0	23.3	23.3	73.2	73.2	4.9		15.6		12		95				<0.2		2.2	
						4.6	0.6	97	29.6		8.0		23.3		73.2		4.9		15.6		12		94				<0.2		2.2	
					Bottom	8.2	0.4	82	29.5	29.5	8.0	8.0	23.9	23.9	74.5	74.5	5.0	5.0	19.8		12		96				<0.2		2.0	
						8.2	0.5	87	29.5		8.0		23.9		74.5		5.0		19.8		12		97				<0.2		2.0	
SR2	Sunny	Moderate	14:48	4.7	Surface	1.0	0.5	92	30.1	30.1	7.9	7.9	22.2	22.2	76.4	76.4	5.1	5.1	11.3	17.6	16	15	94	95	821465	814169	<0.2	<0.2	2.1	2.0
						1.0	0.5	98	30.1		7.9		22.2		76.4		5.1		11.3		15		93				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	63	29.6	29.6	7.9	7.9	23.5	23.5	75.6	75.6	5.1	5.1	23.9		15		97				<0.2		2.0	
						3.7	0.2	63	29.6		7.9		23.5		75.6		5.1		23.9		14		97				<0.2		2.0	
SR3	Sunny	Moderate	13:29	9.5	Surface	1.0	0.3	161	29.8	29.8	7.8	7.8	20.7	20.7	70.9	70.9	4.8	4.9	8.7	9.2	9	11	-	-	822153	807586	-	-	-	-
						1.0	0.3	173	29.8		7.8		20.7		70.9		4.8		8.7		8		-				-		-	
					Middle	4.8	0.2	100	29.6	29.6	7.9	7.9	23.2	23.2	72.7	72.7	4.9		9.5		8		-				-		-	
						4.8	0.2	104	29.6		7.9		23.2		72.7		4.9		9.5		9		-				-		-	
					Bottom	8.5	0.3	59	29.4	29.4	7.9	7.9	24.8	24.8	73.1	73.1	4.9	4.9	9.5		15		-				-		-	
						8.5	0.4	59	29.4		7.9		24.8		73.1		4.9		9.5		16		-				-		-	
SR4A	Fine	Moderate	14:45	8.7	Surface	1.0	0.4	78	29.3	29.3	8.0	8.0	24.4	24.4	73.9	73.9	4.9	4.9	13.8	21.4	10	13	-	-	817199	807809	-	-	-	-
						1.0	0.4	84	29.3		8.0		24.4		73.9		4.9		13.8		11		-				-		-	
					Middle	4.4	0.3	81	29.2	29.2	8.0	8.0	24.7	24.7	72.1	72.1	4.8		19.6		12		-				-		-	
						4.4	0.3	88	29.2		8.0		24.7		72.1		4.8		19.8		14		-				-		-	
					Bottom	7.7	0.1	76	29.1	29.1	8.0	8.0	24.9	24.9	71.9	71.9	4.8	4.8	30.6		17		-				-		-	
						7.7	0.1	78	29.1		8.0		24.9		71.9		4.8		30.6		15		-				-		-	
SR5A	Fine	Moderate	15:01	5.0	Surface	1.0	0.1	9	29.8	29.8	8.0	8.0	23.3	23.3	77.6	77.6	5.2	5.2	10.0	11.8	14	14	-	-	816604	810708	-	-	-	-
						1.0	0.1	9	29.8		8.0		23.3		77.6		5.2		10.1		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	72	29.5	29.5	8.0	8.0	23.5	23.5	76.5	76.5	5.1	5.1	13.4		14		-				-		-	
						4.0	0.0	74	29.5		8.0		23.5		76.5		5.1		13.5		16		-				-		-	
SR6	Fine	Moderate	15:25	4.5	Surface	1.0	0.1	61	29.7	29.7	8.0	8.0	22.7	22.7	79.4	79.4	5.3	5.3	5.6	10.3	10	9	-	-	817887	814682	-	-	-	-
						1.0	0.1	64	29.7		8.0		22.7		79.3		5.3		5.7		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	60	29.3	29.3	7.9	7.9	23.3	23.3	73.8	73.9	5.0	5.0	14.9		8		-				-		-	
						3.5	0.2	64	29.3		7.9		23.3		73.9		5.0		15.0		8		-				-		-	
SR7	Sunny	Moderate	15:45	16.5	Surface	1.0	0.6	86	29.5	29.5	8.0	8.0	25.0	25.0	79.5	79.5	5.4	5.0	8.3	8.3	7	8	-	-	823624	823752	-	-	-	-
						1.0	0.6	86	29.5		8.0		25.0		79.5		5.4		8.3		6		-				-		-	
					Middle	8.3	0.3	59	29.4	29.4	8.0	8.0	25.6	25.6	69.8	69.8	4.6		8.8		7		-				-		-	
						8.3	0.3	60	29.4		8.0		25.6		69.8		4.6		8.8		8		-				-		-	
					Bottom	15.5	0.4	33	29.4	29.4	7.9	7.9	25.7	25.7	72.9	72.9	4.8	4.8	7.8		11		-				-		-	
						15.5	0.4	34	29.4		7.9		25.7		72.9		4.8		7.8		10		-				-		-	
SR8	Sunny	Moderate	14:23	4.8	Surface	1.0	-	-	30.1	30.1	7.9	7.9	22.6	22.6	72.1	72.1	4.8	4.8	14.4	15.3	13	15	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.1		7.9		22.6		72.1		4.8		14.4		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	29.5	29.5	8.0	8.0	23.1	23.1	73.4	73.4	4.9	4.9	16.1		17		-				-		-	
						3.8	-	-	29.5		8.0		23.1		73.4		4.9		16.1		15		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 September 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:49	8.8	Surface	1.0	0.6	44	29.0	29.0	8.0	8.0	24.0	24.0	73.6	73.6	5.0	4.9	10.8	15.2	11	10	92	95	815605	804243	<0.2	<0.2	1.7	1.6
						1.0	0.6	45	29.0		8.0		24.0		73.6		5.0		10.9		10		93				<0.2		1.6	
					Middle	4.4	0.7	42	29.0	29.0	8.0	8.0	25.9	25.9	70.6	70.6	4.7		14.4		10		95				<0.2		1.6	
						4.4	0.7	46	29.0		8.0		25.9		70.6		4.7		14.4		9		95				<0.2		1.7	
					Bottom	7.8	0.6	42	29.0	29.0	8.0	8.0	26.1	26.1	71.4	71.4	4.8	4.8	20.3		10		97				<0.2		1.4	
						7.8	0.7	42	29.0		8.0		26.1		71.4		4.8		20.6		11		98				<0.2		1.3	
C2	Cloudy	Moderate	09:24	12.3	Surface	1.0	0.6	347	29.7	29.7	7.7	7.7	18.4	18.4	65.9	65.9	4.5	4.4	10.1	16.0	6	9	91	94	825679	806939	<0.2	<0.2	2.8	2.8
						1.0	0.6	319	29.7		7.7		18.4		65.9		4.5		10.1		7		90				<0.2		2.9	
					Middle	6.2	0.5	7	29.7	29.7	7.8	7.8	20.4	20.4	63.4	63.4	4.3		16.1		10		94				<0.2		2.8	
						6.2	0.5	7	29.7		7.8		20.4		63.4		4.3		16.1		10		94				<0.2		2.6	
					Bottom	11.3	0.4	343	29.6	29.6	7.8	7.8	23.1	23.1	67.8	67.8	4.6	4.6	21.7		10		96				<0.2		2.8	
						11.3	0.4	346	29.6		7.8		23.1		67.8		4.6		21.7		9		97				<0.2		2.7	
C3	Cloudy	Moderate	07:31	11.3	Surface	1.0	0.5	273	29.4	29.4	7.9	7.9	22.7	22.7	69.3	69.3	4.7	4.7	3.4	5.9	12	11	94	96	822099	817821	<0.2	<0.2	1.6	1.7
						1.0	0.5	287	29.4		7.9		22.7		69.3		4.7		3.4		12		93				<0.2		1.7	
					Middle	5.7	0.6	268	29.3	29.3	7.9	7.9	24.7	24.7	68.9	68.9	4.6		6.2		12		96				<0.2		1.8	
						5.7	0.7	292	29.3		7.9		24.7		68.9		4.6		6.2		11		95				<0.2		1.6	
					Bottom	10.3	0.5	269	29.3	29.3	7.9	7.9	25.4	25.4	71.2	71.2	4.7	4.7	8.2		11		98				<0.2		1.6	
						10.3	0.5	295	29.3		7.9		25.4		71.2		4.7		8.2		10		99				<0.2		1.6	
IM1	Cloudy	Moderate	09:06	7.8	Surface	1.0	0.7	4	29.1	29.1	8.0	8.0	23.7	23.7	73.2	73.2	4.9	4.9	8.7	15.4	6	8	95	97	818365	806457	<0.2	<0.2	1.3	1.5
						1.0	0.8	4	29.1		8.0		23.7		73.2		4.9		8.8		6		94				<0.2		1.4	
					Middle	3.9	0.7	8	29.1	29.1	8.0	8.0	23.9	23.9	71.9	71.9	4.8		16.2		8		96				<0.2		1.5	
						3.9	0.7	8	29.1		8.0		23.9		71.9		4.8		16.4		10		96				<0.2		1.5	
					Bottom	6.8	0.5	5	29.1	29.1	8.0	8.0	24.9	24.9	71.5	71.5	4.8	4.8	21.0		8		101				<0.2		1.6	
						6.8	0.5	5	29.1		8.0		24.9		71.5		4.8		21.1		10		100				<0.2		1.6	
IM2	Cloudy	Moderate	09:11	8.4	Surface	1.0	0.7	6	29.0	29.0	8.0	8.0	23.0	23.0	74.0	74.0	5.0	4.9	9.1	20.9	9	9	94	97	818844	806206	<0.2	<0.2	1.9	1.6
						1.0	0.7	6	29.0		8.0		23.0		74.0		5.0		9.2		8		94				<0.2		1.8	
					Middle	4.2	0.7	18	29.1	29.1	8.0	8.0	24.5	24.5	70.9	70.9	4.8		22.1		10		96				<0.2		1.4	
						4.2	0.7	19	29.1		8.0		24.5		70.9		4.8		22.4		9		96				<0.2		1.4	
					Bottom	7.4	0.5	17	29.1	29.1	8.0	8.0	25.0	25.0	70.5	70.5	4.7	4.7	31.1		11		99				<0.2		1.5	
						7.4	0.5	18	29.1		8.0		25.0		70.5		4.7		31.4		9		100				<0.2		1.6	
IM3	Cloudy	Moderate	09:18	8.9	Surface	1.0	0.5	17	29.1	29.1	8.0	8.0	22.8	22.8	72.6	72.6	4.9	4.9	9.4	16.3	9	10	94	97	819391	806032	<0.2	<0.2	1.7	1.8
						1.0	0.6	17	29.1		8.0		22.8		72.6		4.9		9.4		8		94				<0.2		1.6	
					Middle	4.5	0.6	21	29.1	29.1	8.0	8.0	24.2	24.2	71.3	71.3	4.8		17.6		12		97				<0.2		1.8	
						4.5	0.6	21	29.1		8.0		24.2		71.3		4.8		17.5		10		97				<0.2		1.9	
					Bottom	7.9	0.4	21	29.1	29.1	8.0	8.0	25.3	25.3	70.2	70.3	4.7	4.7	21.9		12		100				<0.2		1.8	
						7.9	0.4	21	29.1		8.0		25.3		70.3		4.7		21.9		10		100				<0.2		1.8	
IM4	Cloudy	Moderate	09:26	8.3	Surface	1.0	0.5	-	29.2	29.2	8.0	8.0	22.0	22.0	72.6	72.6	4.9	4.9	9.1	15.9	8	10	94	97	819581	805023	<0.2	<0.2	2.1	2.1
						1.0	0.5	-	29.2		8.0		22.0		72.5		4.9		9.2		8		95				<0.2		2.2	
					Middle	4.2	0.6	15	29.1	29.1	8.0	8.0	24.1	24.1	71.1	71.1	4.8		16.8		10		95				<0.2		2.2	
						4.2	0.6	15	29.1		8.0		24.0		71.1		4.8		16.9		8		96				<0.2		2.1	
					Bottom	7.3	0.4	20	29.0	29.0	8.0	8.0	24.5	24.5	72.0	72.1	4.8	4.8	21.7		13		99				<0.2		2.0	
						7.3	0.5	21	29.0		8.0		24.5		72.1		4.8		21.6		12		100				<0.2		2.1	
IM5	Cloudy	Moderate	09:36	7.4	Surface	1.0	0.8	8	29.2	29.2	8.0	8.0	22.1	22.1	71.9	71.9	4.9	4.8	11.9	15.5	10	11	94	96	820573	804935	<0.2	<0.2	2.3	2.1
						1.0	0.8	8	29.2		8.0		22.1		71.9		4.9		11.9		10		94				<0.2		2.4	
					Middle	3.7	0.7	14	29.1	29.1	8.0	8.0	23.9	23.9	70.1	70.1	4.7		14.7		10		96				<0.2		2.2	
						3.7	0.8	14	29.1		8.0		23.9		70.1		4.7		14.6		10		97				<0.2		2.1	
					Bottom	6.4	0.5	20	29.1	29.1	8.0	8.0	24.0	24.0	70.6	70.6	4.8	4.8	20.3		13		98				<0.2		1.8	
						6.4	0.6	20	29.1		8.0		24.0		70.6		4.8		19.8		15		99				<0.2		1.9	
IM6	Cloudy	Moderate	09:44	7.3	Surface	1.0	0.4	16	29.2	29.2	8.0	8.0	22.5	22.5	72.1	72.1	4.9	4.9	13.4	20.8	15	19	94	97	821060	805835	<0.2	<0.2	2.0	2.1
						1.0	0.5	17	29.2		8.0		22.5		72.1		4.9		13.4		13		95				<0.2		2.0	
					Middle	3.7	0.4	23	29.2	29.2	8.0	8.0	23.0	23.0	71.8	71.8	4.9		18.0		15		96				<0.2		1.8	
						3.7	0.4	25	29.2		8.0		23.0		71.8		4.9		18.0		13		96				<0.2		1.7	
					Bottom	6.3	0.3	44	29.1	29.1	8.0	8.0	23.3	23.3	71.7	71.7	4.8	4.8	30.8		30		99				<0.2		2.5	
						6.3	0.3	47	29.1		8.0		23.3		71.7		4.8		31.0		28		100				<0.2		2.5	
IM7	Cloudy	Moderate	09:53	8.6	Surface	1.0	0.5	47	29.2	29.2	8.0	8.0	22.2	22.2	71.8	71.8	4.9	4.9	10.8	14.5	15	16	95	97	821341	806852	<0.2	<0.2	1.8	2.0
						1.0	0.5	48	29.2		8.0		22.2		71.8		4.9		10.6		14		95				<0.2		2.0	
					Middle	4.3	0.5	35	29.2	29.2	8.0	8.0	23.1	23.1	70.7	70.7	4.8		13.9		18		97				<0.2		2.0	
						4.3	0.6	37	29.2		8.0		23.1		70.7		4.8		14.0		16		97				<0.2		2.1	
					Bottom	7.6	0.3	49	29.1	29.1	8.0	8.0	23.8	23.8	70.2	70.2	4.7	4.7	19.4		16		99				<0.2		2.0	
						7.6	0.3	53	29.1		8.0		23.7		70.2		4.7		18.4		18		99				<0.2		1.9	
IM8	Cloudy	Moderate	09:01	8.6	Surface	1.0	0.4	-	29.5	29.5	7.9	7.9	19.8	19.8	69.4	69.4	4.7	4.7	13.0	13.9	10	12	90	94	821689	807837	<0.2	<0.2	2.4	2.4
						1.0	0.4	-	29.5		7.9		19.8		69.4		4.7		13.0		11		91				<0.2		2.4	
					Middle	4.3	0.4	9	29.6	29.6	7.9	7.9	20.1	20.1	69.1	69.1	4.7		14.0		10		94				<0.2		2.3	
						4.3	0.4	9	29.6		7.9		20.1		69.1		4.7		14.0		11		94				<0.2		2.6	
					Bottom	7.6	0.3	356	29.6	29.6	7.9	7.9	20.4	20.4	71.1	71.1	4.8	4.8	14.7		14		97				<0.2		2.5	
						7.6	0.3	328	29.6		7.9		20.4		71.1		4.8		14.7		13		96				<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 23 September 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	08:54	7.4	Surface	1.0	0.3	320	29.6	29.6	7.8	7.8	20.5	20.5	68.9	68.9	4.7	4.8	16.7	18.2	18	21	90	94	822105	808829	<0.2	<0.2	2.3	2.3
						1.0	0.4	336	29.6		7.8		20.5		68.9		4.7		16.7		19		91				<0.2		2.2	
					Middle	3.7	0.4	326	29.6	29.6	7.8	7.8	20.5	20.5	70.0	70.0	4.8		18.8		19		95				<0.2		2.5	
						3.7	0.4	356	29.6		7.8		20.5		70.0		4.8		18.8		20		94				<0.2		2.3	
					Bottom	6.4	0.3	321	29.6	29.6	7.9	7.9	20.6	20.6	72.1	72.1	4.9	4.9	19.2		24		96				<0.2		2.1	
						6.4	0.4	336	29.6		7.9		20.6		72.1		4.9		19.2		24		96				<0.2		2.1	
IM10	Cloudy	Moderate	08:47	7.0	Surface	1.0	0.7	305	29.6	29.6	7.8	7.8	21.2	21.2	70.4	70.4	4.8	4.8	11.9	18.1	8	10	91	94	822251	809822	<0.2	<0.2	2.2	2.2
						1.0	0.8	314	29.6		7.8		21.2		70.4		4.8		11.9		8		91				<0.2		2.3	
					Middle	3.5	0.6	310	29.5	29.5	7.9	7.9	22.3	22.3	69.7	69.7	4.7		18.5		8		93				<0.2		2.3	
						3.5	0.6	338	29.5		7.9		22.3		69.7		4.7		18.5		10		94				<0.2		2.2	
					Bottom	6.0	0.5	311	29.5	29.5	7.9	7.9	22.4	22.4	71.7	71.7	4.8	4.8	23.9		12		97				<0.2		2.2	
						6.0	0.6	324	29.5		7.9		22.4		71.7		4.8		23.9		12		96				<0.2		2.2	
IM11	Rainy	Moderate	08:29	7.8	Surface	1.0	0.7	286	29.5	29.5	7.8	7.8	20.8	20.8	71.5	71.5	4.9	4.9	13.5	21.9	10	10	91	94	821490	810546	<0.2	<0.2	2.1	2.1
						1.0	0.7	303	29.5		7.8		20.8		71.5		4.9		13.5		9		91				<0.2		2.4	
					Middle	3.9	0.5	289	29.5	29.5	7.9	7.9	22.0	22.0	70.5	70.5	4.8		24.0		10		93				<0.2		2.0	
						3.9	0.6	290	29.5		7.9		22.0		70.5		4.8		24.0		9		94				<0.2		2.0	
					Bottom	6.8	0.4	288	29.5	29.5	7.9	7.9	22.7	22.7	70.9	70.9	4.8	4.8	28.3		11		96				<0.2		2.0	
						6.8	0.4	290	29.5		7.9		22.7		70.9		4.8		28.3		10		97				<0.2		2.1	
IM12	Rainy	Moderate	08:23	8.4	Surface	1.0	0.9	278	29.5	29.5	7.8	7.8	21.2	21.2	71.4	71.4	4.8	4.8	16.7	21.9	6	9	91	94	821155	811501	<0.2	<0.2	2.1	2.2
						1.0	0.9	284	29.5		7.8		21.2		71.4		4.8		16.7		8		92				<0.2		2.0	
					Middle	4.2	0.8	279	29.5	29.5	7.9	7.9	22.7	22.7	70.6	70.6	4.8		22.3		11		93				<0.2		2.3	
						4.2	0.8	301	29.5		7.9		22.7		70.6		4.8		22.3		10		94				<0.2		2.2	
					Bottom	7.4	0.7	283	29.5	29.5	7.9	7.9	23.0	23.0	71.0	71.0	4.8	4.8	26.8		9		96				<0.2		2.1	
						7.4	0.7	303	29.5		7.9		23.0		71.0		4.8		26.8		10		96				<0.2		2.2	
SR2	Cloudy	Moderate	07:53	4.6	Surface	1.0	0.3	120	29.5	29.5	7.9	7.9	22.7	22.7	71.2	71.2	4.8	4.8	17.9	20.9	9	11	93	95	821452	814177	<0.2	<0.2	1.9	2.0
						1.0	0.3	126	29.5		7.9		22.7		71.2		4.8		17.9		8		94				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	122	29.4	29.4	7.9	7.9	23.2	23.2	73.4	73.4	4.9	4.9	23.9		13		95				<0.2		2.2	
						3.6	0.3	131	29.4		7.9		23.2		73.4		4.9		23.9		12		96				<0.2		2.2	
SR3	Cloudy	Moderate	09:06	9.0	Surface	1.0	0.4	16	29.6	29.6	7.8	7.8	19.5	19.5	68.8	68.8	4.7	4.7	17.1	18.9	19	19	-	-	822164	807573	-	-	-	-
						1.0	0.4	17	29.6		7.8		19.5		68.8		4.7		17.1		17		-				-		-	
					Middle	4.5	0.4	15	29.6	29.6	7.9	7.9	20.0	20.0	68.7	68.7	4.7		18.8		18		-				-		-	
						4.5	0.4	15	29.6		7.9		20.0		68.7		4.7		18.8		17		-				-		-	
					Bottom	8.0	0.4	7	29.6	29.6	7.9	7.9	20.2	20.2	70.8	70.8	4.8	4.8	20.8		21		-				-		-	
						8.0	0.4	7	29.6		7.9		20.2		70.8		4.8		20.8		20		-				-		-	
SR4A	Cloudy	Moderate	08:28	9.3	Surface	1.0	0.4	240	29.2	29.2	8.0	8.0	23.6	23.6	73.7	73.7	5.0	5.0	10.8	14.5	14	17	-	-	817187	807797	-	-	-	-
						1.0	0.5	255	29.2		8.0		23.6		73.7		5.0		10.8		15		-				-		-	
					Middle	4.7	0.4	252	29.2	29.2	8.0	8.0	23.7	23.7	73.3	73.3	4.9		14.1		19		-				-		-	
						4.7	0.4	276	29.2		8.0		23.7		73.3		4.9		14.1		17		-				-		-	
					Bottom	8.3	0.3	253	29.2	29.2	8.0	8.0	23.8	23.8	73.9	73.9	5.0	5.0	18.7		20		-				-		-	
						8.3	0.3	267	29.2		8.0		23.8		73.9		5.0		18.7		19		-				-		-	
SR5A	Cloudy	Moderate	08:12	4.9	Surface	1.0	0.3	297	29.2	29.2	7.9	7.9	22.7	22.7	75.0	75.0	5.1	5.1	10.7	12.6	15	17	-	-	816578	810704	-	-	-	-
						1.0	0.3	326	29.2		7.9		22.7		75.0		5.1		10.7		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	310	29.2	29.2	7.9	7.9	22.6	22.6	75.8	75.8	5.1	5.1	14.5		18		-				-		-	
						3.9	0.2	338	29.2		7.9		22.6		75.8		5.1		14.6		20		-				-		-	
SR6	Cloudy	Moderate	07:42	4.0	Surface	1.0	0.3	253	29.2	29.2	7.9	7.9	22.7	22.7	69.8	69.8	4.7	4.7	7.0	10.7	12	11	-	-	817880	814665	-	-	-	-
						1.0	0.3	254	29.2		7.9		22.7		69.8		4.7		6.9		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	267	29.2	29.2	7.9	7.9	22.9	22.9	72.8	73.0	4.9	4.9	14.5		11		-				-		-	
						3.0	0.2	287	29.2		7.9		22.9		73.1		4.9		14.5		10		-				-		-	
SR7	Cloudy	Moderate	07:02	16.2	Surface	1.0	0.2	211	29.4	29.4	7.8	7.8	22.9	22.9	79.0	79.0	5.4	5.1	2.5	5.8	7	10	-	-	823639	823733	-	-	-	-
						1.0	0.2	221	29.4		7.8		22.9		79.0		5.4		2.5		9		-				-		-	
					Middle	8.1	0.4	203	29.5	29.5	7.8	7.8	23.7	23.7	69.6	69.6	4.7		6.6		11		-				-		-	
						8.1	0.4	208	29.5		7.8		23.7		69.6		4.7		6.6		11		-				-		-	
					Bottom	15.2	0.0	309	29.3	29.3	7.8	7.8	25.4	25.4	69.3	69.3	4.6	4.6	8.3		11		-				-		-	
						15.2	0.0	330	29.3		7.8		25.4		69.3		4.6		8.3		12		-				-		-	
SR8	Rainy	Moderate	08:15	4.1	Surface	1.0	0.0	0	29.7	29.7	7.8	7.8	20.8	20.8	71.7	71.7	4.9	4.9	15.2	19.1	12	12	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	29.7		7.8		20.8		71.7		4.9		15.2		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	0	29.5	29.5	7.9	7.9	21.4	21.4	71.7	71.7	4.9	4.9	23.0		12		-				-		-	
						3.1	0.0	0	29.5		7.9		21.4		71.7		4.9		23.0		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 26 September 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	16:13	8.6	Surface	1.0	0.2	250	30.3	30.3	8.1	8.1	18.5	18.5	91.0	90.9	6.2	5.8	5.7	9.6	3	4	75	77	815600	804261	<0.2	<0.2	2.3	1.9
						1.0	0.2	263	30.3		8.1		18.5		90.7		6.2		5.7		3		75				<0.2		2.2	
					Middle	4.3	0.1	122	29.1	29.1	8.1	8.1	26.7	26.7	81.5	81.5	5.4		7.6		3		77				<0.2		1.1	
						4.3	0.1	124	29.1		8.1		26.7		81.4		5.4		7.7		5		77				<0.2		1.1	
					Bottom	7.6	0.1	204	29.0	29.0	8.1	8.1	27.9	27.9	80.0	80.0	5.3	5.3	15.4		5		79				<0.2		2.3	
						7.6	0.1	207	29.0		8.1		27.9		80.0		5.3		15.4		5		78				<0.2		2.3	
C2	Sunny	Moderate	15:00	11.6	Surface	1.0	0.2	202	30.8	30.8	7.7	7.7	16.3	16.3	75.8	75.8	5.2	5.1	2.4	6.0	3	5	72	74	825672	806953	<0.2	<0.2	3.1	2.9
						1.0	0.2	216	30.8		7.7		16.3		75.8		5.2		2.4		3		72				<0.2		3.2	
					Middle	5.8	0.1	125	30.1	30.1	7.7	7.7	18.5	18.5	73.7	73.7	5.0		5.4		3		73				<0.2		2.7	
						5.8	0.1	135	30.1		7.7		18.5		73.7		5.0		5.5		4		74				<0.2		2.9	
					Bottom	10.6	0.1	186	30.0	30.0	7.7	7.7	19.9	19.9	75.7	75.8	5.1	5.2	10.2		7		76				<0.2		2.8	
						10.6	0.1	201	30.0		7.7		19.9		75.9		5.2		10.1		8		76				<0.2		2.8	
C3	Sunny	Moderate	16:50	12.0	Surface	1.0	0.2	117	30.1	30.1	7.8	7.8	22.1	22.2	80.4	80.3	5.4	5.3	3.8	4.0	4	4	72	73	822097	817806	<0.2	<0.2	2.2	1.9
						1.0	0.2	125	30.1		7.8		22.2		80.1		5.4		3.8		4		72				<0.2		2.3	
					Middle	6.0	0.1	103	29.9	29.9	7.8	7.8	22.9	22.9	77.5	77.5	5.2		4.1		5		73				<0.2		1.7	
						6.0	0.1	109	29.9		7.8		22.9		77.5		5.2		3.8		3		73				<0.2		1.9	
					Bottom	11.0	0.0	57	29.8	29.8	7.8	7.8	24.4	24.4	78.7	78.8	5.2	5.2	4.2		3		75				<0.2		1.8	
						11.0	0.0	58	29.8		7.8		24.4		78.9		5.2		4.2		4		75				<0.2		1.7	
IM1	Fine	Moderate	15:49	7.4	Surface	1.0	0.2	216	30.5	30.5	8.0	8.0	20.5	20.5	86.7	86.7	5.8	5.5	6.1	19.1	6	5	75	76	818354	806450	<0.2	<0.2	2.6	2.2
						1.0	0.2	234	30.5		8.0		20.5		86.6		5.8		6.3		6		75				<0.2		2.4	
					Middle	3.7	0.2	185	29.2	29.2	8.0	8.0	23.5	23.5	76.5	76.5	5.2		16.6		6		76				<0.2		1.8	
						3.7	0.2	185	29.2		8.0		23.5		76.5		5.2		16.7		4		76				<0.2		1.8	
					Bottom	6.4	0.2	138	29.1	29.1	8.0	8.0	24.7	24.7	77.2	77.2	5.2	5.2	34.5		4		77				<0.2		2.3	
						6.4	0.2	151	29.1		8.0		24.7		77.2		5.2		34.5		5		76				<0.2		2.2	
IM2	Fine	Moderate	15:44	8.3	Surface	1.0	0.2	234	29.8	29.8	8.0	8.0	21.2	21.3	81.7	81.6	5.5	5.4	7.9	16.3	2	5	75	77	818838	806204	<0.2	<0.2	2.2	2.0
						1.0	0.2	244	29.8		8.0		21.3		81.5		5.5		8.1		2		75				<0.2		2.3	
					Middle	4.2	0.1	168	29.2	29.2	8.0	8.0	23.7	23.7	76.8	76.8	5.2		15.6		8		77				<0.2		1.7	
						4.2	0.1	183	29.2		8.0		23.7		76.8		5.2		15.7		7		77				<0.2		1.6	
					Bottom	7.3	0.1	169	29.1	29.1	8.0	8.0	24.4	24.4	76.0	76.1	5.1	5.1	25.4		6		78				<0.2		2.1	
						7.3	0.1	183	29.1		8.0		24.4		76.2		5.1		24.9		7		77				<0.2		1.9	
IM3	Fine	Moderate	15:37	8.7	Surface	1.0	0.0	185	30.1	30.1	8.0	8.0	20.8	20.8	84.9	84.5	5.7	5.5	5.4	9.5	2	3	75	76	819393	806006	<0.2	<0.2	2.0	2.0
						1.0	0.0	201	30.1		8.0		20.8		84.0		5.7		5.8		2		74				<0.2		2.1	
					Middle	4.4	0.0	31	29.3	29.3	8.0	8.0	22.6	22.6	78.7	78.7	5.3		10.0		2		76				<0.2		2.1	
						4.4	0.0	32	29.3		8.0		22.6		78.6		5.3		10.1		3		76				<0.2		2.3	
					Bottom	7.7	0.1	101	29.2	29.2	8.0	8.0	23.6	23.6	77.8	77.8	5.2	5.2	12.9		5		78				<0.2		1.6	
						7.7	0.1	105	29.2		8.0		23.6		77.8		5.2		12.9		6		77				<0.2		1.7	
IM4	Fine	Moderate	15:29	7.9	Surface	1.0	0.0	229	30.9	30.9	8.0	8.0	19.8	19.8	87.9	87.8	5.9	5.5	6.9	14.4	2	9	75	76	819552	805044	<0.2	<0.2	2.3	2.0
						1.0	0.0	232	30.9		8.0		19.8		87.7		5.9		7.0		2		75				<0.2		2.5	
					Middle	4.0	0.0	265	29.2	29.2	8.0	8.0	24.0	24.0	76.6	76.6	5.1		18.1		3		76				<0.2		2.2	
						4.0	0.0	281	29.2		8.0		24.0		76.6		5.1		18.2		4		76				<0.2		2.2	
					Bottom	6.9	0.0	48	29.1	29.1	8.0	8.0	24.3	24.3	77.4	77.4	5.2	5.2	18.0		19		78				<0.2		1.4	
						6.9	0.0	52	29.1		8.0		24.3		77.4		5.2		18.1		21		78				<0.2		1.6	
IM5	Fine	Moderate	15:19	7.0	Surface	1.0	0.0	326	30.2	30.2	8.0	8.0	20.4	20.4	85.2	85.2	5.7	5.5	5.0	8.2	4	8	75	76	820555	804938	<0.2	<0.2	2.3	1.9
						1.0	0.0	328	30.2		8.0		20.4		85.1		5.7		5.0		4		75				<0.2		2.3	
					Middle	3.5	0.1	274	29.3	29.3	8.0	8.0	22.7	22.7	78.7	78.7	5.3		9.0		6		76				<0.2		1.7	
						3.5	0.1	298	29.3		8.0		22.6		78.7		5.3		9.0		8		76				<0.2		1.8	
					Bottom	6.0	0.0	320	29.2	29.2	8.0	8.0	23.8	23.8	77.6	77.7	5.2	5.2	10.5		11		78				<0.2		1.5	
						6.0	0.0	337	29.2		8.0		23.8		77.7		5.2		10.5		12		77				<0.2		1.5	
IM6	Fine	Moderate	15:12	7.0	Surface	1.0	0.0	272	30.5	30.5	7.9	7.9	17.3	17.3	82.7	82.7	5.6	5.5	5.1	8.7	4	4	75	77	821074	805822	<0.2	<0.2	3.0	2.4
						1.0	0.0	297	30.5		7.9		17.3		82.7		5.6		5.1		5		75				<0.2		3.1	
					Middle	3.5	0.1	174	29.7	29.7	8.0	8.0	21.5	21.5	80.1	80.1	5.4		6.7		4		77				<0.2		2.2	
						3.5	0.1	185	29.7		8.0		21.5		80.0		5.4		6.8		4		77				<0.2		2.3	
					Bottom	6.0	0.1	181	29.2	29.2	8.0	8.0	23.8	23.8	76.3	76.3	5.1	5.1	14.1		4		78				<0.2		2.0	
						6.0	0.2	197	29.2		8.0		23.8		76.3		5.1		14.2		3		78				<0.2		1.9	
IM7	Fine	Moderate	15:04	8.2	Surface	1.0	0.2	175	30.2	30.2	7.9	7.9	17.9	17.9	80.4	80.4	5.5	5.5	6.1	9.6	3	5	75	76	821364	806824	<0.2	<0.2	2.9	2.4
						1.0	0.2	175	30.2		7.9		17.9		80.4		5.5		6.1		4		75				<0.2		2.6	
					Middle	4.1	0.1	106	29.7	29.7	8.0	8.0	21.6	21.6	79.6	79.6	5.4		8.3		4		76				<0.2		2.6	
						4.1	0.1	114	29.7		8.0		21.6		79.6		5.4		8.3		5		76				<0.2		2.7	
					Bottom	7.2	0.2	111	29.3	29.3	8.0	8.0	23.4	23.4	77.0	77.0	5.2	5.2	14.5		6		77				<0.2		1.8	
						7.2	0.2	111	29.3		8.0		23.4		77.0		5.2		14.5		5		77				<0.2		1.8	
IM8	Sunny	Moderate	15:24	8.3	Surface	1.0	0.2	138	30.1	30.1	7.7	7.8	19.1	19.1	77.8	77.9	5.3	5.3	6.4	5.9	4	8	71	73	821712	807846	<0.2	<0.2	3.0	2.6
						1.0	0.2	149	30.0		7.8		19.1		78.0		5.3		6.5		4		72				<0.2		3.2	
					Middle	4.2	0.1	72	29.9	29.9	7.8	7.8	20.6	20.6	78.6	78.8	5.3		6.3		5		74				<0.2		2.6	
						4.2	0.1	75	29.9		7.8		20.6		79.0		5.3		6.1		6		73				<0.2		2.5	
					Bottom	7.3	0.2	81	29.9	29.9	7.8	7.8	21.5	21.5	79.6	79.7	5.4	5.4	5.0		15		75				<0.2		2.1	
						7.3	0.2	84	29.9		7.8		21.4		79.7		5.4		5.2		13		75				<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 26 September 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	15:31	7.3	Surface	1.0	0.3	134	30.2	30.2	7.6	7.6	18.2	18.1	74.3	74.6	5.1	5.2	6.0	9.7	5	8	71	73	822101	808810	<0.2	<0.2	3.6	2.9
						1.0	0.3	141	30.2		7.6		18.0		74.8		5.1		6.5		3		72				<0.2		3.4	
					Middle	3.7	0.3	121	29.8	29.8	7.8	7.8	20.7	20.7	76.6	76.6	5.2		10.6		5		73				<0.2		2.8	
						3.7	0.3	124	29.7		7.8		20.7		76.6		5.2		10.7		5		73				<0.2		3.0	
					Bottom	6.3	0.2	92	29.6	29.6	7.8	7.8	22.9	22.9	78.2	78.3	5.3	5.3	12.4		14		74				<0.2		2.2	
						6.3	0.2	95	29.6		7.8		22.9		78.3		5.3		12.1		13		75				<0.2		2.1	
IM10	Sunny	Moderate	15:40	7.2	Surface	1.0	0.4	159	30.7	30.7	7.6	7.6	17.3	17.3	75.4	75.4	5.1	5.1	5.6	10.3	4	7	72	74	822237	809846	<0.2	<0.2	4.0	3.2
						1.0	0.4	165	30.7		7.6		17.3		75.4		5.1		5.8		3		72				<0.2		3.6	
					Middle	3.6	0.4	133	29.8	29.8	7.7	7.7	20.7	20.8	73.9	73.9	5.0		11.9		3		73				<0.2		3.5	
						3.6	0.4	134	29.8		7.7		20.8		73.9		5.0		12.1		5		74				<0.2		3.6	
					Bottom	6.2	0.3	121	29.6	29.6	7.7	7.7	22.0	22.0	76.4	76.5	5.2	5.2	13.2		12		75				<0.2		2.1	
						6.2	0.3	132	29.6		7.7		22.0		76.6		5.2		13.0		12		76				<0.2		2.2	
IM11	Sunny	Moderate	15:55	7.1	Surface	1.0	0.4	144	30.8	30.8	7.6	7.6	16.9	16.9	76.0	76.0	5.2	5.2	5.3	10.4	4	5	70	72	821493	810535	<0.2	<0.2	3.6	3.1
						1.0	0.5	153	30.8		7.6		16.9		75.9		5.2		5.4		4		70				<0.2		3.6	
					Middle	3.6	0.3	110	30.1	30.1	7.7	7.7	19.3	19.3	75.2	75.2	5.1		10.5		3		72				<0.2		3.1	
						3.6	0.3	110	30.1		7.7		19.2		75.2		5.1		10.7		5		72				<0.2		2.9	
					Bottom	6.1	0.2	110	29.7	29.7	7.8	7.8	21.1	21.1	76.1	76.1	5.2	5.2	15.3		6		73				<0.2		2.7	
						6.1	0.2	117	29.7		7.8		21.1		76.1		5.2		15.2		8		73				<0.2		2.8	
IM12	Sunny	Moderate	16:02	8.9	Surface	1.0	0.4	116	30.7	30.7	7.7	7.7	17.1	17.1	78.3	78.3	5.3	5.3	7.2	9.1	5	7	71	73	821160	811523	<0.2	<0.2	3.4	3.0
						1.0	0.5	123	30.7		7.7		17.1		78.3		5.3		7.3		4		71				<0.2		3.2	
					Middle	4.5	0.3	117	30.0	30.0	7.8	7.8	19.2	19.2	78.3	78.4	5.3		10.1		7		73				<0.2		2.7	
						4.5	0.3	123	30.0		7.8		19.2		78.4		5.3		10.0		9		73				<0.2		3.0	
					Bottom	7.9	0.1	100	29.7	29.7	7.7	7.7	20.7	20.8	78.9	78.9	5.3	5.4	9.9		8		74				<0.2		3.1	
						7.9	0.1	109	29.7		7.7		20.8		78.9		5.4		9.9		9		75				<0.2		2.8	
SR2	Sunny	Moderate	16:31	4.2	Surface	1.0	0.4	93	30.0	30.0	7.7	7.7	19.1	19.1	80.7	80.7	5.5	5.5	5.3	5.4	5	6	70	72	821451	814178	<0.2	<0.2	3.1	2.8
						1.0	0.4	95	30.0		7.7		19.1		80.7		5.5		5.3		6		71				<0.2		2.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.4	96	30.0	30.0	7.7	7.7	20.0	20.0	83.7	83.8	5.7	5.7	5.4		5		72				<0.2		2.5	
						3.2	0.4	104	30.0		7.7		20.0		83.9		5.7		5.5		6		73				<0.2		2.6	
SR3	Sunny	Moderate	15:19	8.8	Surface	1.0	0.1	151	29.9	29.9	7.6	7.6	19.2	19.2	71.5	71.6	4.9	4.9	8.8	12.1	4	4	-	-	822162	807585	-	-	-	-
						1.0	0.2	151	29.9		7.6		19.1		71.6		4.9		9.0		3		-				-		-	
					Middle	4.4	0.1	144	29.7	29.7	7.7	7.7	20.8	20.8	71.5	71.5	4.8		12.7		3		-				-		-	
						4.4	0.1	150	29.7		7.7		20.8		71.5		4.9		12.8		3		-				-		-	
					Bottom	7.8	0.1	116	29.7	29.7	7.7	7.7	21.3	21.3	72.3	72.4	4.9	4.9	14.7		4		-				-		-	
						7.8	0.2	127	29.7		7.7		21.3		72.4		4.9		14.7		6		-				-		-	
SR4A	Fine	Moderate	16:33	7.5	Surface	1.0	0.2	84	30.1	30.1	8.0	8.0	20.1	20.1	88.0	87.9	6.0	5.6	9.4	16.2	4	14	-	-	817199	807811	-	-	-	-
						1.0	0.2	88	30.1		8.0		20.1		87.8		5.9		9.6		5		-				-		-	
					Middle	3.8	0.2	89	29.3	29.3	8.0	8.0	23.0	23.0	78.2	78.2	5.3		20.9		18		-				-		-	
						3.8	0.3	96	29.3		8.0		23.0		78.2		5.3		21.0		18		-				-		-	
					Bottom	6.5	0.1	72	29.2	29.2	8.0	8.0	23.9	23.9	77.5	77.5	5.2	5.2	18.0		20		-				-		-	
						6.5	0.1	75	29.2		8.0		23.9		77.5		5.2		18.1		20		-				-		-	
SR5A	Fine	Moderate	16:49	5.0	Surface	1.0	0.1	86	30.8	30.8	8.0	8.0	22.7	22.7	93.0	93.0	6.1	6.1	8.4	10.6	7	7	-	-	816600	810705	-	-	-	-
						1.0	0.2	93	30.8		8.0		22.7		92.9		6.1		8.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	100	30.3	30.3	8.0	8.0	23.5	23.5	90.0	90.0	6.0	6.0	12.8		7		-				-		-	
						4.0	0.1	106	30.3		8.0		23.5		90.0		6.0		12.8		7		-				-		-	
SR6	Fine	Moderate	17:13	4.0	Surface	1.0	0.1	93	29.9	29.9	8.0	8.0	23.1	23.1	87.5	87.5	5.8	5.8	8.1	8.8	7	7	-	-	817914	814657	-	-	-	-
						1.0	0.1	93	29.9		8.0		23.1		87.5		5.8		8.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	54	29.5	29.5	8.0	8.0	23.9	23.9	86.3	86.3	5.8	5.8	9.4		7		-				-		-	
						3.0	0.1	57	29.5		8.0		23.9		86.3		5.8		9.4		6		-				-		-	
SR7	Sunny	Moderate	17:18	18.2	Surface	1.0	0.2	86	30.2	30.2	7.8	7.8	23.8	23.8	80.4	80.3	5.3	5.2	3.3	3.4	<2	2	-	-	823635	823751	-	-	-	-
						1.0	0.2	89	30.2		7.8		23.8		80.2		5.3		3.4		<2		-				-		-	
					Middle	9.1	0.1	138	29.9	29.9	7.8	7.8	24.4	24.5	77.0	77.0	5.1		3.6		<2		-				-		-	
						9.1	0.1	147	29.9		7.8		24.5		76.9		5.1		3.6		<2		-				-		-	
					Bottom	17.2	0.1	225	29.7	29.7	7.8	7.8	25.0	25.0	78.6	78.7	5.2	5.2	3.4		2		-				-		-	
						17.2	0.2	238	29.7		7.8		25.0		78.7		5.2		3.3		2		-				-		-	
SR8	Sunny	Calm	16:09	4.2	Surface	1.0	-	-	31.0	31.0	7.7	7.7	20.5	20.5	84.5	84.5	5.6	5.6	8.4	9.1	8	8	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.9		7.7		20.5		84.5		5.6		8.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	30.9	30.9	7.7	7.7	21.0	21.0	85.0	85.1	5.7	5.7	9.8		9		-				-		-	
						3.2	-	-	30.9		7.7		21.0		85.1		5.7		9.8		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 26 September 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	10:51	8.5	Surface	1.0	0.3	50	29.8	29.8	7.9	7.9	20.2	20.2	82.6	82.6	5.6	5.5	5.9	14.3	4	7	75	77	815618	804246	<0.2	<0.2	1.5	2.1
						1.0	0.3	52	29.8		7.9		20.2		82.6		5.6		5.9		4		75				<0.2		1.5	
					Middle	4.3	0.2	25	29.5	29.5	7.9	7.9	21.3	21.3	79.8	79.8	5.4		9.9		5		77				<0.2		2.5	
						4.3	0.3	27	29.5		7.9		21.3		79.8		5.4		9.9		3		78				<0.2		2.4	
					Bottom	7.5	0.3	34	29.1	29.1	8.0	8.0	25.5	25.5	77.6	77.6	5.2	5.2	27.2		13		79				<0.2		2.3	
						7.5	0.3	35	29.1		8.0		25.5		77.6		5.2		26.9		14		79				<0.2		2.3	
C2	Sunny	Moderate	12:00	11.4	Surface	1.0	0.1	31	29.9	29.9	7.6	7.6	17.6	17.7	71.7	71.8	4.9	5.0	7.6	9.6	4	5	73	74	825698	806937	<0.2	<0.2	3.7	3.2
						1.0	0.1	31	29.9		7.6		17.7		71.8		4.9		7.6		4		73				<0.2		3.6	
					Middle	5.7	0.3	44	29.7	29.7	7.7	7.7	20.2	20.2	73.2	73.3	5.0		9.2		4		74				<0.2		2.9	
						5.7	0.3	48	29.7		7.7		20.2		73.3		5.0		9.3		4		75				<0.2		3.3	
					Bottom	10.4	0.2	1	29.6	29.6	7.7	7.7	20.6	20.6	75.6	75.7	5.1	5.2	11.9		7		75				<0.2		2.7	
						10.4	0.2	1	29.6		7.7		20.6		75.7		5.2		11.9		7		76				<0.2		2.7	
C3	Sunny	Moderate	10:00	11.6	Surface	1.0	0.4	253	29.7	29.7	7.9	7.9	22.4	22.4	76.4	76.4	5.1	5.1	4.2	4.3	4	4	70	73	822122	817804	<0.2	<0.2	2.0	2.1
						1.0	0.4	277	29.7		7.9		22.4		76.3		5.1		4.2		4		70				<0.2		2.0	
					Middle	5.8	0.5	246	29.4	29.4	7.9	7.9	23.3	23.3	74.8	74.8	5.0		4.8		4		73				<0.2		2.1	
						5.8	0.5	267	29.4		7.9		23.3		74.8		5.0		4.9		6		73				<0.2		2.4	
					Bottom	10.6	0.5	251	29.4	29.4	7.9	7.9	23.9	23.9	75.1	75.2	5.0	5.0	3.9		4		75				<0.2		2.0	
						10.6	0.6	269	29.4		7.9		23.9		75.2		5.0		3.8		4		75				<0.2		1.9	
IM1	Fine	Moderate	11:10	7.2	Surface	1.0	0.4	348	29.4	29.4	8.0	8.0	22.2	22.2	80.3	80.3	5.4	5.4	7.0	14.5	6	8	75	76	818334	806438	<0.2	<0.2	2.3	2.0
						1.0	0.4	320	29.4		8.0		22.2		80.3		5.4		7.1		4		75				<0.2		2.2	
					Middle	3.6	0.5	-	29.2	29.2	8.0	8.0	23.5	23.5	78.9	78.9	5.3		11.4		5		76				<0.2		2.0	
						3.6	0.5	-	29.2		8.0		23.5		78.9		5.3		11.4		6		77				<0.2		1.9	
					Bottom	6.2	0.3	348	29.1	29.1	8.0	8.0	24.6	24.6	77.7	77.7	5.2	5.2	25.2		13		77				<0.2		1.6	
						6.2	0.3	350	29.1		8.0		24.6		77.7		5.2		25.1		13		78				<0.2		2.0	
IM2	Fine	Moderate	11:15	8.2	Surface	1.0	0.2	359	29.4	29.4	8.0	8.0	21.9	21.9	80.2	80.2	5.4	5.4	6.8	14.1	9	8	75	77	818849	806197	<0.2	<0.2	2.3	1.9
						1.0	0.2	330	29.4		8.0		21.9		80.2		5.4		6.8		7		75				<0.2		2.4	
					Middle	4.1	0.4	17	29.2	29.2	8.0	8.0	23.3	23.3	78.2	78.2	5.3		9.9		7		78				<0.2		2.0	
						4.1	0.5	17	29.2		8.0		23.3		78.2		5.3		9.9		7		78				<0.2		1.7	
					Bottom	7.2	0.3	355	29.1	29.1	8.0	8.0	24.7	24.7	77.0	77.0	5.2	5.2	25.7		8		79				<0.2		1.6	
						7.2	0.3	358	29.1		8.0		24.7		77.0		5.2		25.7		9		79				<0.2		1.6	
IM3	Fine	Moderate	11:23	8.5	Surface	1.0	0.2	331	29.4	29.4	8.0	8.0	21.7	21.7	78.9	78.9	5.3	5.3	7.8	15.1	5	7	75	77	819407	806011	<0.2	<0.2	3.1	2.4
						1.0	0.2	353	29.4		8.0		21.7		78.9		5.3		7.8		5		75				<0.2		2.9	
					Middle	4.3	0.4	5	29.2	29.2	8.0	8.0	23.5	23.5	77.7	77.7	5.2		10.8		7		77				<0.2		1.7	
						4.3	0.4	5	29.2		8.0		23.5		77.7		5.2		10.8		8		78				<0.2		1.8	
					Bottom	7.5	0.2	33	29.1	29.1	8.0	8.0	24.4	24.4	77.0	77.0	5.2	5.2	26.9		9		78				<0.2		2.3	
						7.5	0.2	34	29.1		8.0		24.4		77.0		5.2		26.7		8		78				<0.2		2.4	
IM4	Fine	Moderate	11:30	7.7	Surface	1.0	0.2	316	29.3	29.3	8.0	8.0	22.5	22.5	76.5	76.5	5.2	5.2	9.3	16.3	8	8	75	77	819581	805046	<0.2	<0.2	2.1	2.1
						1.0	0.2	324	29.3		8.0		22.5		76.5		5.2		9.3		8		76				<0.2		2.1	
					Middle	3.9	0.3	351	29.2	29.2	8.0	8.0	23.1	23.1	76.0	76.0	5.1		13.2		7		77				<0.2		2.3	
						3.9	0.3	356	29.2		8.0		23.1		76.0		5.1		13.3		7		77				<0.2		2.5	
					Bottom	6.7	0.3	343	29.0	29.0	8.0	8.0	25.4	25.4	75.5	75.5	5.0	5.0	26.2		8		79				<0.2		1.8	
						6.7	0.3	316	29.0		8.0		25.4		75.5		5.0		26.2		8		79				<0.2		1.9	
IM5	Fine	Moderate	11:39	6.9	Surface	1.0	0.5	18	29.4	29.4	8.0	8.0	21.8	21.8	77.1	77.1	5.2	5.2	9.5	16.1	5	8	75	77	820562	804916	<0.2	<0.2	3.4	2.5
						1.0	0.5	18	29.4		8.0		21.8		77.1		5.2		9.5		4		75				<0.2		3.5	
					Middle	3.5	0.4	29	29.3	29.3	8.0	8.0	22.4	22.4	76.3	76.3	5.2		16.1		10		76				<0.2		2.0	
						3.5	0.4	31	29.3		8.0		22.4		76.3		5.2		16.1		9		77				<0.2		2.0	
					Bottom	5.9	0.3	13	29.1	29.1	8.0	8.0	25.0	25.0	75.5	75.5	5.1	5.1	22.6		8		78				<0.2		1.9	
						5.9	0.3	13	29.1		8.0		25.0		75.5		5.1		22.5		10		78				<0.2		2.0	
IM6	Fine	Moderate	11:48	6.8	Surface	1.0	0.3	1	30.3	30.3	7.8	7.8	15.3	15.3	75.5	75.5	5.2	5.2	9.5	15.5	3	10	75	77	821062	805847	<0.2	<0.2	3.8	3.1
						1.0	0.4	1	30.3		7.8		15.3		75.5		5.2		9.5		3		76				<0.2		3.9	
					Middle	3.4	0.2	14	29.3	29.3	8.0	8.0	21.5	21.5	75.4	75.4	5.1		14.6		10		77				<0.2		3.1	
						3.4	0.2	14	29.3		8.0		21.5		75.4		5.1		14.5		10		78				<0.2		3.1	
					Bottom	5.8	0.2	26	29.2	29.2	8.0	8.0	23.7	23.7	75.1	75.1	5.1	5.1	22.5		17		79				<0.2		2.4	
						5.8	0.2	26	29.2		8.0		23.7		75.1		5.1		22.5		19		79				<0.2		2.5	
IM7	Fine	Moderate	11:58	8.3	Surface	1.0	0.1	356	30.0	30.0	7.8	7.8	15.9	15.9	72.8	72.8	5.0	5.2	6.1	12.6	4	8	75	76	821345	806831	<0.2	<0.2	3.8	3.0
						1.0	0.1	328	30.0		7.8		15.9		72.8		5.0		6.1		2		75				<0.2		3.4	
					Middle	4.2	0.2	22	29.6	29.6	7.9	7.9	18.5	18.5	76.4	76.4	5.3		11.9		11		76				<0.2		2.9	
						4.2	0.2	22	29.6		7.9		18.5		76.4		5.3		11.9		11		77				<0.2		2.9	
					Bottom	7.3	0.3	77	29.3	29.3	8.0	8.0	22.0	22.0	75.9	75.9	5.2	5.2	19.7		11		77				<0.2		2.5	
						7.3	0.3	78	29.3		8.0		22.0		75.9		5.1		19.8		10		78				<0.2		2.3	
IM8	Sunny	Moderate	11:32	8.0	Surface	1.0	0.1	341	30.2	30.2	7.6	7.6	16.2	16.3	72.4	72.4	5.0	5.1	5.6	5.7	2	3	72	74	821690	807818	<0.2	<0.2	3.3	3.1
						1.0	0.1	348	30.2		7.6		16.4		72.4		5.0		5.5		3		73				<0.2		3.3	
					Middle	4.0	0.1	66	30.0	30.0	7.6	7.6	17.2	17.3	73.8	74.1	5.1		6.0		3		74				<0.2		3.2	
						4.0	0.1	66	30.0		7.6		17.3		74.3		5.1		6.1		3		74				<0.2		3.2	
					Bottom	7.0	0.1	131	30.1	30.2	7.6	7.6	17.6	17.6	81.2	81.8	5.6	5.6	5.4		4		75				<0.2		2.6	
						7.0	0.1	139	30.2		7.6		17.6		82.3		5.6		5.4		4		75				<0.2		2.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 September 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	11:25	7.1	Surface	1.0	0.1	22	30.3	30.3	7.6	7.6	16.4	16.4	75.0	75.0	5.2	5.2	4.3	4.8	3	3	71	73	822083	808815	<0.2	<0.2	3.1	3.0
						1.0	0.1	23	30.3		7.6		16.4		75.0		5.2		4.3		2		72				<0.2		3.2	
					Middle	3.6	0.1	39	30.1	30.1	7.6	7.6	16.8	16.8	74.1	74.1	5.1		4.7		3		73				<0.2		3.0	
						3.6	0.1	42	30.1		7.6		16.8		74.1		5.1		4.7		2		73				<0.2		3.1	
					Bottom	6.1	0.1	14	30.0	30.0	7.7	7.7	17.7	17.7	77.8	77.9	5.3	5.4	5.4		6		74				<0.2		3.0	
						6.1	0.1	15	30.0		7.7		17.7		77.9		5.4		5.4		4		74				<0.2		2.8	
IM10	Sunny	Moderate	11:16	6.5	Surface	1.0	0.4	301	30.1	30.1	7.7	7.7	18.5	18.5	77.7	77.7	5.3	5.3	9.7	17.4	3	14	74	74	822221	809829	<0.2	<0.2	2.8	2.5
						1.0	0.4	303	30.1		7.7		18.5		77.7		5.3		10.7		3		73				<0.2		2.9	
					Middle	3.3	0.4	306	29.6	29.6	7.8	7.8	20.7	20.7	77.1	77.1	5.2		18.1		5		74				<0.2		2.5	
						3.3	0.4	335	29.6		7.8		20.7		77.1		5.2		18.0		7		74				<0.2		2.5	
					Bottom	5.5	0.3	306	29.6	29.6	7.8	7.8	21.0	21.0	79.6	79.7	5.4	5.4	24.0		33		75				<0.2		2.0	
						5.5	0.4	314	29.6		7.8		21.0		79.7		5.4		23.6		32		76				<0.2		2.0	
IM11	Sunny	Moderate	11:01	8.1	Surface	1.0	0.3	275	29.8	29.8	7.8	7.8	19.6	19.6	77.5	77.5	5.3	5.3	7.7	14.9	4	4	71	73	821506	810548	<0.2	<0.2	2.9	2.7
						1.0	0.4	275	29.8		7.8		19.6		77.5		5.3		7.9		4		71				<0.2		2.8	
					Middle	4.1	0.4	275	29.5	29.5	7.8	7.8	21.8	21.8	76.4	76.4	5.2		12.8		2		73				<0.2		2.7	
						4.1	0.4	280	29.5		7.8		21.8		76.4		5.2		12.7		2		73				<0.2		2.9	
					Bottom	7.1	0.3	277	29.5	29.5	7.8	7.8	22.1	22.1	78.6	78.7	5.3	5.3	24.2		5		75				<0.2		2.3	
						7.1	0.3	288	29.5		7.8		22.1		78.7		5.3		24.3		6		75				<0.2		2.3	
IM12	Sunny	Moderate	10:53	7.2	Surface	1.0	0.4	265	29.7	29.7	7.8	7.8	19.9	19.9	78.6	78.6	5.4	5.3	5.5	15.2	2	4	72	73	821150	811501	<0.2	<0.2	2.8	2.4
						1.0	0.5	277	29.7		7.8		19.8		78.6		5.4		5.5		3		72				<0.2		2.7	
					Middle	3.6	0.5	250	29.5	29.5	7.8	7.8	22.0	22.0	76.7	76.7	5.2		9.9		5		73				<0.2		2.5	
						3.6	0.5	268	29.5		7.8		22.0		76.7		5.2		10.1		4		74				<0.2		2.4	
					Bottom	6.2	0.4	252	29.4	29.4	7.8	7.8	23.2	23.2	76.8	76.8	5.2	5.2	30.5		3		74				<0.2		2.0	
						6.2	0.4	267	29.4		7.8		23.2		76.8		5.2		29.6		4		75				<0.2		2.2	
SR2	Sunny	Moderate	10:23	4.5	Surface	1.0	0.3	318	29.7	29.7	7.8	7.8	22.0	22.0	76.2	76.2	5.1	5.1	10.4	14.1	5	9	71	73	821474	814154	<0.2	<0.2	2.4	2.3
						1.0	0.3	320	29.7		7.8		21.9		76.2		5.1		10.5		4		71				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	300	29.5	29.5	7.8	7.8	23.2	23.2	76.6	77.0	5.1	5.2	17.8		14		74				<0.2		2.2	
						3.5	0.1	321	29.5		7.8		23.2		77.4		5.2		17.8		14		74				<0.2		2.2	
SR3	Sunny	Moderate	11:38	8.6	Surface	1.0	0.1	196	30.4	30.4	7.6	7.6	15.4	15.5	69.5	69.4	4.8	4.8	4.8	4.7	4	4	-	-	822165	807567	-	-	-	-
						1.0	0.1	215	30.3		7.6		15.5		69.3		4.8		4.8		4		-				-		-	
					Middle	4.3	0.0	11	30.0	30.0	7.6	7.6	17.6	17.6	68.9	69.0	4.7		4.6		4		-				-		-	
						4.3	0.0	11	30.0		7.6		17.6		69.0		4.7		4.6		4		-				-		-	
					Bottom	7.6	0.1	192	30.0	30.0	7.6	7.6	18.3	18.3	75.1	75.2	5.1	5.2	4.6		4		-				-		-	
						7.6	0.1	208	30.0		7.6		18.3		75.3		5.2		4.6		4		-				-		-	
SR4A	Fine	Moderate	10:30	9.1	Surface	1.0	0.5	266	29.3	29.3	8.0	8.0	24.0	24.0	80.0	80.0	5.4	5.4	13.2	17.6	9	14	-	-	817195	807826	-	-	-	-
						1.0	0.5	287	29.3		8.0		24.0		80.0		5.4		13.2		10		-				-		-	
					Middle	4.6	0.3	266	29.2	29.2	8.0	8.0	24.1	24.1	79.0	79.0	5.3		17.4		13		-				-		-	
						4.6	0.3	287	29.2		8.0		24.1		79.0		5.3		17.6		14		-				-		-	
					Bottom	8.1	0.2	255	29.1	29.1	8.0	8.0	24.7	24.7	78.2	78.3	5.2	5.3	22.1		18		-				-		-	
						8.1	0.2	261	29.1		8.0		24.7		78.3		5.3		22.1		18		-				-		-	
SR5A	Fine	Moderate	10:14	4.7	Surface	1.0	0.3	290	29.2	29.2	7.9	7.9	23.5	23.5	81.7	81.7	5.5	5.5	11.7	13.1	10	11	-	-	816601	810691	-	-	-	-
						1.0	0.3	309	29.2		7.9		23.5		81.7		5.5		11.7		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	308	29.2	29.2	7.9	7.9	23.5	23.5	84.0	84.0	5.7	5.7	14.5		12		-				-		-	
						3.7	0.2	312	29.2		7.9		23.5		84.0		5.7		14.5		12		-				-		-	
SR6	Fine	Moderate	09:49	3.8	Surface	1.0	0.2	257	29.3	29.3	7.9	7.9	22.3	22.3	77.9	78.0	5.3	5.3	15.6	15.2	14	14	-	-	817885	814679	-	-	-	-
						1.0	0.2	280	29.3		7.9		22.3		78.0		5.3		15.8		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	282	29.2	29.2	7.9	7.9	23.0	23.0	77.8	77.9	5.3	5.3	14.8		14		-				-		-	
						2.8	0.2	305	29.2		7.9		23.0		77.9		5.3		14.7		13		-				-		-	
SR7	Sunny	Moderate	09:24	26.2	Surface	1.0	0.1	255	29.6	29.6	7.8	7.8	23.2	23.2	75.4	75.4	5.1	5.1	3.8	6.3	4	4	-	-	823618	823731	-	-	-	-
						1.0	0.1	260	29.5		7.8		23.2		75.4		5.1		3.8		4		-				-		-	
					Middle	13.1	0.2	204	29.4	29.4	7.8	7.8	23.7	23.7	74.0	74.0	5.0		5.1		4		-				-		-	
						13.1	0.2	222	29.4		7.8		23.7		74.0		5.0		5.0		4		-				-		-	
					Bottom	25.2	0.3	202	29.4	29.4	7.8	7.8	24.3	24.3	74.7	74.8	5.0	5.0	10.0		5		-				-		-	
						25.2	0.3	207	29.4		7.8		24.3		74.8		5.0		10.0		5		-				-		-	
SR8	Sunny	Calm	10:45	4.2	Surface	1.0	0.0	0	30.0	30.0	7.7	7.7	19.3	19.3	80.1	80.1	5.4	5.4	12.8	17.7	8	15	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	30.0		7.7		19.3		80.1		5.4		12.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	0	29.6	29.6	7.8	7.8	20.3	20.3	79.0	79.1	5.4	5.4	22.6		22		-				-		-	
						3.2	0.0	0	29.6		7.8		20.3		79.1		5.4		22.7		21		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 September 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	05:58	8.9	Surface	1.0	0.4	214	29.9	29.9	7.8	7.8	14.9	15.0	86.3	85.9	6.0	5.7	3.8	5.4	3	4	81	85	815622	804236	<0.2	<0.2	2.8	2.4
						1.0	0.4	214	29.9		7.8		15.1		85.4		6.0		3.8		3		82				<0.2		3.1	
					Middle	4.5	0.3	228	29.4	29.4	7.9	7.9	25.4	25.4	80.4	80.3	5.3		4.3		4		84				<0.2		2.8	
						4.5	0.4	242	29.4		7.9		25.3		80.2		5.3		4.5		4		85				<0.2		3.3	
					Bottom	7.9	0.3	209	29.2	29.2	7.9	7.9	28.8	28.8	78.9	79.2	5.2	5.2	7.9		6		88				<0.2		1.0	
						7.9	0.3	228	29.2		7.9		28.8		79.4		5.2		8.1		4		88				<0.2		1.2	
C2	Cloudy	Moderate	07:23	11.2	Surface	1.0	0.8	164	30.0	30.0	7.8	7.8	13.9	13.9	70.6	70.6	5.0	4.8	8.4	14.8	5	6	75	77	825690	806960	<0.2	<0.2	2.6	2.0
						1.0	0.8	177	30.0		7.8		13.9		70.6		5.0		8.4		5		75				<0.2		2.8	
					Middle	5.6	0.5	166	29.6	29.6	7.9	7.9	24.9	24.9	67.2	67.2	4.5		14.7		7		77				<0.2		2.0	
						5.6	0.5	167	29.6		7.9		24.9		67.2		4.5		14.7		6		77				<0.2		1.7	
					Bottom	10.2	0.5	173	29.5	29.5	7.9	7.9	25.7	25.7	68.1	68.1	4.5	4.5	21.4		7		79				<0.2		1.4	
						10.2	0.5	178	29.5		7.9		25.7		68.1		4.5		21.4		7		79				<0.2		1.4	
C3	Cloudy	Moderate	05:04	12.4	Surface	1.0	0.1	144	30.0	30.0	7.9	7.9	19.2	19.2	80.2	80.2	5.5	5.3	1.9	2.8	3	5	77	79	822118	817785	<0.2	<0.2	2.1	1.8
						1.0	0.1	146	30.0		7.9		19.2		80.2		5.5		1.9		4		77				<0.2		2.2	
					Middle	6.2	0.2	8	30.1	30.1	7.9	7.9	21.6	21.6	74.6	74.6	5.0		2.6		3		79				<0.2		2.2	
						6.2	0.2	8	30.1		7.9		21.6		74.6		5.0		2.6		4		78				<0.2		2.1	
					Bottom	11.4	0.1	83	29.5	29.5	8.0	8.0	28.4	28.4	74.9	74.9	4.9	4.9	3.8		7		81				<0.2		1.0	
						11.4	0.1	84	29.5		8.0		28.4		74.9		4.9		3.8		9		80				<0.2		1.0	
IM1	Fine	Moderate	06:22	7.2	Surface	1.0	0.4	199	29.6	29.6	7.9	7.9	22.7	22.7	78.2	78.3	5.3	5.2	8.1	6.9	9	10	89	90	818357	806458	<0.2	<0.2	1.6	1.4
						1.0	0.4	203	29.6		7.9		22.6		78.3		5.3		7.8		10		90				<0.2		1.6	
					Middle	3.6	0.2	195	29.2	29.2	7.9	7.9	27.8	27.8	77.1	77.1	5.1		6.2		10		91				<0.2		1.3	
						3.6	0.2	205	29.2		7.9		27.8		77.0		5.1		6.4		9		93				<0.2		2.0	
					Bottom	6.2	0.1	141	29.1	29.1	7.9	7.9	28.3	28.3	77.4	77.5	5.1	5.1	6.4		10		89				<0.2		0.8	
						6.2	0.1	144	29.1		7.9		28.3		77.5		5.1		6.6		10		89				<0.2		0.9	
IM2	Fine	Moderate	06:28	8.4	Surface	1.0	0.5	213	30.0	30.0	7.8	7.8	16.6	16.6	79.3	79.3	5.5	5.3	5.8	8.3	5	9	72	83	818844	806183	<0.2	<0.2	2.6	1.6
						1.0	0.6	226	30.0		7.8		16.6		79.3		5.5		5.8		5		72				<0.2		2.6	
					Middle	4.2	0.3	195	29.2	29.2	7.9	7.9	26.9	26.9	77.4	77.4	5.1		9.0		10		86				<0.2		1.2	
						4.2	0.4	207	29.2		7.9		26.9		77.4		5.1		9.1		11		87				<0.2		1.2	
					Bottom	7.4	0.2	178	29.1	29.1	7.9	7.9	28.5	28.5	80.8	80.8	5.3	5.3	10.0		12		90				<0.2		0.9	
						7.4	0.2	184	29.1		7.9		28.5		80.8		5.3		10.0		12		90				<0.2		1.0	
IM3	Fine	Moderate	06:37	7.5	Surface	1.0	0.5	218	30.0	30.0	7.7	7.7	15.5	15.5	79.2	79.2	5.5	5.3	5.3	8.5	5	9	82	83	819428	806014	<0.2	<0.2	2.2	1.6
						1.0	0.6	238	30.0		7.7		15.5		79.2		5.5		5.3		6		82				<0.2		2.4	
					Middle	3.8	0.4	220	29.5	29.5	7.8	7.8	23.2	23.2	76.6	76.6	5.1		8.4		9		84				<0.2		1.5	
						3.8	0.4	229	29.5		7.8		23.2		76.6		5.1		8.4		10		84				<0.2		1.5	
					Bottom	6.5	0.2	237	29.2	29.2	7.9	7.9	27.9	27.9	79.1	79.1	5.2	5.2	11.9		13		83				<0.2		0.9	
						6.5	0.2	240	29.2		7.9		27.9		79.1		5.2		11.9		12		83				<0.2		0.9	
IM4	Fine	Moderate	06:45	7.4	Surface	1.0	0.5	197	29.9	29.9	7.7	7.7	13.2	13.2	82.2	82.2	5.8	5.6	6.0	12.9	5	8	83	86	819575	805021	<0.2	<0.2	2.6	2.0
						1.0	0.5	205	29.9		7.7		13.2		82.1		5.8		6.1		3		83				<0.2		2.5	
					Middle	3.7	0.3	213	29.6	29.6	7.9	7.9	20.5	20.5	78.3	78.3	5.3		15.3		9		88				<0.2		1.9	
						3.7	0.3	230	29.6		7.9		20.5		78.3		5.3		15.3		7		88				<0.2		1.9	
					Bottom	6.4	0.3	179	29.2	29.2	7.9	7.9	27.7	27.7	80.7	80.7	5.3	5.3	17.4		12		88				<0.2		1.4	
						6.4	0.3	195	29.2		7.9		27.7		80.7		5.3		17.4		12		88				<0.2		1.5	
IM5	Fine	Moderate	07:00	6.5	Surface	1.0	0.6	196	30.0	30.0	7.7	7.7	14.1	13.8	76.6	76.0	5.4	5.2	4.5	9.3	4	4	85	87	820569	804909	<0.2	<0.2	2.7	2.3
						1.0	0.6	208	29.9		7.7		13.4		75.4		5.3		4.5		4		85				<0.2		2.4	
					Middle	3.3	0.5	203	29.8	29.8	7.7	7.7	19.7	19.7	73.1	73.1	5.0		5.2		3		86				<0.2		2.1	
						3.3	0.5	205	29.8		7.7		19.7		73.1		5.0		5.2		3		86				<0.2		2.1	
					Bottom	5.5	0.3	211	29.2	29.2	7.9	7.9	27.3	27.3	75.3	75.4	5.0	5.0	18.2		4		89				<0.2		2.1	
						5.5	0.4	226	29.2		7.9		27.3		75.4		5.0		18.2		4		89				<0.2		2.1	
IM6	Fine	Moderate	07:13	6.7	Surface	1.0	0.4	194	29.9	29.9	7.7	7.7	11.3	11.3	80.3	80.3	5.7	5.3	5.2	7.5	3	4	77	82	821056	805815	<0.2	<0.2	2.5	2.1
						1.0	0.4	201	29.9		7.7		11.3		80.3		5.7		5.2		2		77				<0.2		2.2	
					Middle	3.4	0.2	219	29.6	29.6	7.7	7.7	21.2	21.2	72.5	72.5	4.9		6.9		5		84				<0.2		1.9	
						3.4	0.2	230	29.6		7.7		21.2		72.5		4.9		7.0		4		84				<0.2		1.9	
					Bottom	5.7	0.1	225	29.3	29.3	7.8	7.8	25.4	25.4	73.3	73.3	4.9	4.9	10.4		5		85				<0.2		2.0	
						5.7	0.1	231	29.3		7.8		25.4		73.3		4.9		10.4		4		85				<0.2		2.0	
IM7	Fine	Moderate	07:21	8.1	Surface	1.0	0.3	219	29.8	29.8	7.7	7.7	19.6	19.6	73.2	73.2	5.0	5.0	5.5	7.2	4	6	77	83	821331	806815	<0.2	<0.2	2.4	1.8
						1.0	0.3	226	29.8		7.7		19.6		73.1		5.0		5.5		3		77				<0.2		2.2	
					Middle	4.1	0.2	234	29.5	29.5	7.7	7.7	22.8	22.8	72.5	72.5	4.9		6.9		6		84				<0.2		1.8	
						4.1	0.2	248	29.5		7.7		22.8		72.5		4.9		6.9		6		85				<0.2		1.7	
					Bottom	7.1	0.1	165	29.2	29.2	7.8	7.8	26.4	26.4	73.7	73.7	4.9	4.9	9.2		7		87				<0.2		1.3	
						7.1	0.1	181	29.2		7.8		26.4		73.7		4.9		9.2		9		87				<0.2		1.4	
IM8	Cloudy	Moderate	06:49	8.0	Surface	1.0	0.4	193	30.5	30.5	7.9	7.9	14.3	14.3	78.3	78.3	5.4	5.2	3.7	5.0	3	5	76	79	821691	807846	<0.2	<0.2	2.6	1.9
						1.0	0.4	208	30.5		7.9		14.3		78.3		5.4		3.7		3		76				<0.2		2.4	
					Middle	4.0	0.2	229	29.9	29.9	7.9	7.9	22.1	22.1	74.6	74.6	5.0		4.6		4		78				<0.2		1.8	
						4.0	0.2	249	29.9		7.9		22.1		74.6		5.0		4.6		3		77				<0.2		1.6	
					Bottom	7.0	0.0	154	29.6	29.6	8.1	8.1	25.6	25.6	75.8	75.8	5.0	5.0	6.6		6		83				<0.2		1.5	
						7.0	0.0	161	29.6		8.1		25.6		75.8		5.0		6.6		8		82				<0.2		1.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 September 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	06:41	7.0	Surface	1.0	0.3	165	30.5	30.5	7.9	7.9	15.3	15.2	81.8	81.8	5.6	5.4	4.4	5.2	6	6	76	78	822108	808794	<0.2	<0.2	2.5	1.9
						1.0	0.3	173	30.5		7.9		15.1		81.8		5.6		4.5		6		75				<0.2		2.4	
					Middle	3.5	0.1	142	29.9	29.9	7.9	7.9	21.1	21.1	75.5	75.5	5.1		4.5		5		78				<0.2		1.7	
						3.5	0.1	142	29.9		7.9		21.1		75.5		5.1		4.5		5		78				<0.2		1.7	
					Bottom	6.0	0.1	77	29.7	29.7	8.0	8.0	24.1	24.1	77.5	77.5	5.2	5.2	6.6		6		80				<0.2		1.4	
						6.0	0.1	77	29.7		8.0		24.1		77.5		5.2		6.6		6		81				<0.2		1.4	
IM10	Cloudy	Moderate	06:34	7.2	Surface	1.0	0.3	137	30.4	30.4	7.9	7.9	12.7	12.7	81.6	81.6	5.7	5.4	4.2	4.9	4	4	75	77	822241	809852	<0.2	<0.2	2.6	2.2
						1.0	0.4	141	30.4		7.9		12.7		81.6		5.7		4.2		4		75				<0.2		2.6	
					Middle	3.6	0.3	113	30.0	30.0	7.9	7.9	21.4	21.4	75.3	75.3	5.1		4.9		3		77				<0.2		2.1	
						3.6	0.3	122	30.0		7.9		21.4		75.3		5.1		4.9		3		77				<0.2		2.1	
					Bottom	6.2	0.3	91	29.8	29.8	7.9	7.9	24.0	24.0	77.5	77.5	5.2	5.2	5.7		3		78				<0.2		1.8	
						6.2	0.3	95	29.8		7.9		24.0		77.5		5.2		5.7		4		79				<0.2		1.7	
IM11	Cloudy	Moderate	06:16	7.4	Surface	1.0	0.4	108	30.1	30.1	7.9	7.9	15.7	15.7	82.3	82.3	5.7	5.4	4.0	9.5	6	6	75	78	821490	810560	<0.2	<0.2	2.3	1.9
						1.0	0.4	118	30.1		7.9		15.7		82.3		5.7		4.0		3		76				<0.2		2.2	
					Middle	3.7	0.2	91	29.8	29.8	8.0	8.0	22.4	22.4	75.2	75.2	5.0		10.2		4		78				<0.2		2.1	
						3.7	0.2	96	29.8		8.0		22.4		75.2		5.0		10.2		5		77				<0.2		2.0	
					Bottom	6.4	0.0	110	29.7	29.7	8.0	8.0	23.8	23.8	77.8	77.8	5.2	5.2	14.2		8		80				<0.2		1.5	
						6.4	0.0	111	29.7		8.0		23.8		77.8		5.2		14.2		10		81				<0.2		1.3	
IM12	Cloudy	Moderate	06:07	8.9	Surface	1.0	0.4	91	30.4	30.4	7.9	7.9	17.6	17.6	77.1	77.1	5.3	5.1	3.2	8.2	3	3	76	77	821145	811518	<0.2	<0.2	2.3	2.0
						1.0	0.4	93	30.4		7.9		17.6		77.1		5.3		3.2		3		76				<0.2		2.4	
					Middle	4.5	0.4	119	29.8	29.8	8.0	8.0	22.5	22.5	72.7	72.7	4.9		8.0		2		77				<0.2		2.0	
						4.5	0.4	119	29.8		8.0		22.5		72.7		4.9		8.0		2		77				<0.2		2.0	
					Bottom	7.9	0.2	111	29.7	29.7	8.0	8.0	23.6	23.6	74.2	74.2	5.0	5.0	13.3		5		79				<0.2		1.5	
						7.9	0.2	121	29.7		8.0		23.6		74.2		5.0		13.3		6		78				<0.2		1.5	
SR2	Cloudy	Moderate	05:31	4.8	Surface	1.0	0.3	52	30.5	30.5	7.9	7.9	18.6	18.6	80.9	80.9	5.5	5.5	2.0	2.1	4	4	77	79	821463	814180	<0.2	<0.2	2.2	2.1
						1.0	0.3	56	30.5		7.9		18.6		80.9		5.5		2.0		4		78				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	55	30.4	30.4	7.9	7.9	21.4	21.4	81.7	81.7	5.5	5.5	2.1		2		80				<0.2		1.8	
						3.8	0.3	56	30.4		7.9		21.4		81.7		5.5		2.1		3		80				<0.2		2.0	
SR3	Cloudy	Moderate	06:56	8.5	Surface	1.0	0.6	173	30.5	30.5	7.9	7.9	14.1	14.1	77.3	77.3	5.4	5.2	5.3	8.2	5	5	-	-	822147	807559	-	-	-	-
						1.0	0.6	181	30.5		7.9		14.1		77.3		5.4		5.3		3		-				-		-	
					Middle	4.3	0.1	232	29.7	29.7	8.0	8.0	23.9	23.9	75.2	75.2	5.0		8.7		4		-				-		-	
						4.3	0.1	247	29.7		8.0		23.9		75.2		5.0		8.7		3		-				-		-	
					Bottom	7.5	0.2	61	29.5	29.5	8.1	8.1	27.3	27.3	76.5	76.5	5.0	5.0	10.7		6		-				-		-	
						7.5	0.2	63	29.5		8.1		27.3		76.5		5.0		10.7		6		-				-		-	
SR4A	Fine	Moderate	05:36	8.5	Surface	1.0	0.0	68	29.9	29.9	7.8	7.8	19.8	19.8	80.4	80.1	5.5	5.2	4.7	7.8	5	5	-	-	817207	807816	-	-	-	-
						1.0	0.0	69	29.9		7.8		19.8		79.8		5.4		5.0		5		-				-		-	
					Middle	4.3	0.1	72	29.2	29.2	7.9	7.9	27.3	27.3	74.5	74.5	4.9		8.0		3		-				-		-	
						4.3	0.1	75	29.2		7.9		27.3		74.4		4.9		8.2		4		-				-		-	
					Bottom	7.5	0.1	67	29.2	29.2	7.9	7.9	27.7	27.7	74.9	75.1	4.9	5.0	10.5		7		-				-		-	
						7.5	0.1	73	29.2		7.9		27.7		75.3		5.0		10.6		9		-				-		-	
SR5A	Fine	Calm	05:14	5.2	Surface	1.0	0.0	44	30.0	30.0	7.8	7.8	20.0	20.0	86.7	86.6	5.9	5.9	4.9	7.4	5	5	-	-	816574	810700	-	-	-	-
						1.0	0.0	45	30.0		7.8		20.0		86.4		5.9		5.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	346	29.3	29.3	7.8	7.8	26.2	26.3	75.1	75.3	5.0	5.0	9.9		6		-				-		-	
						4.2	0.0	318	29.3		7.8		26.3		75.5		5.0		9.9		6		-				-		-	
SR6	Fine	Calm	04:42	4.9	Surface	1.0	0.1	61	30.2	30.2	7.7	7.7	19.0	19.0	89.8	89.9	6.1	6.1	3.3	4.3	4	4	-	-	817917	814666	-	-	-	-
						1.0	0.1	65	30.2		7.7		19.0		89.9		6.1		3.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	71	30.5	30.5	7.7	7.7	20.3	20.3	91.6	91.7	6.1	6.1	5.2		4		-				-		-	
						3.9	0.1	75	30.5		7.7		20.2		91.7		6.1		5.4		5		-				-		-	
SR7	Cloudy	Moderate	04:27	15.7	Surface	1.0	0.3	79	30.3	30.3	7.9	7.9	19.4	19.4	88.8	88.8	6.0	5.7	2.3	3.6	4	4	-	-	823631	823746	-	-	-	-
						1.0	0.3	85	30.3		7.9		19.4		88.8		6.0		2.3		5		-				-		-	
					Middle	7.9	1.0	-	30.0	30.0	7.9	7.9	20.9	20.9	79.2	79.2	5.3		3.7		3		-				-		-	
						7.9	1.0	-	30.0		7.9		20.9		79.2		5.3		3.7		3		-				-		-	
					Bottom	14.7	1.1	64	29.4	29.4	8.0	8.0	29.5	29.5	79.8	79.8	5.2	5.2	4.9		4		-				-		-	
						14.7	1.1	69	29.4		8.0		29.5		79.8		5.2		4.9		3		-				-		-	
SR8	Cloudy	Moderate	05:59	4.0	Surface	1.0	-	-	30.2	30.2	7.9	7.9	18.0	18.0	81.6	81.6	5.6	5.6	3.4	3.4	5	5	-	-	820246	811418	-	-	-	-
						1.0	-	-	30.2		7.9		18.0		81.6		5.6		3.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	30.4	30.4	7.9	7.9	18.6	18.6	81.7	81.7	5.5	5.5	3.4		5		-				-		-	
						3.0	-	-	30.4		7.9		18.6		81.7		5.5		3.4		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 28 September 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	18:10	8.8	Surface	1.0	0.0	125	30.5	30.5	7.9	7.9	15.3	15.3	96.3	96.3	6.6	5.9	4.4	6.6	5	6	81	84	815619	804239	<0.2	<0.2	0.5	1.1
						1.0	0.0	130	30.5		7.9		15.3		96.3		6.6		4.4		5		81				<0.2		0.5	
					Middle	4.4	0.1	58	29.3	29.3	7.9	7.9	27.8	27.8	78.3	78.3	5.1		5.4		4		84				<0.2		0.8	
						4.4	0.1	61	29.3		7.9		27.8		78.3		5.1		5.4		4		84				<0.2		0.7	
					Bottom	7.8	0.1	40	29.1	29.1	7.9	7.9	29.5	29.5	77.4	77.4	5.0	5.0	9.9		10		86				<0.2		2.1	
						7.8	0.1	40	29.1		7.9		29.5		77.4		5.0		9.9		9		86				<0.2		2.0	
C2	Sunny	Moderate	16:58	12.3	Surface	1.0	0.2	283	30.5	30.5	8.0	8.0	16.6	16.6	77.9	77.9	5.3	5.2	3.5	6.6	5	6	75	77	825662	806936	<0.2	<0.2	2.3	2.1
						1.0	0.2	310	30.5		8.0		16.6		77.9		5.3		3.5		6		75				<0.2		2.5	
					Middle	6.2	0.2	335	30.2	30.2	7.9	7.9	20.5	20.5	75.3	75.3	5.1		4.1		5		77				<0.2		2.4	
						6.2	0.2	308	30.2		7.9		20.5		75.3		5.1		4.1		4		77				<0.2		2.2	
					Bottom	11.3	0.2	92	29.6	29.6	8.0	8.0	25.9	25.9	72.2	72.2	4.8	4.8	12.2		7		79				<0.2		1.5	
						11.3	0.2	95	29.6		8.0		25.9		72.2		4.8		12.2		6		79				<0.2		1.4	
C3	Cloudy	Moderate	19:01	12.3	Surface	1.0	0.3	114	31.0	31.0	8.1	8.1	18.7	18.7	92.5	92.5	6.2	5.8	2.4	3.7	4	5	75	79	822090	817809	<0.2	<0.2	2.2	1.6
						1.0	0.3	123	31.0		8.1		18.7		92.5		6.2		2.4		3		76				<0.2		2.4	
					Middle	6.2	0.3	269	30.1	30.1	8.1	8.1	25.6	25.6	80.9	80.9	5.3		3.0		4		79				<0.2		1.9	
						6.2	0.3	276	30.1		8.1		25.6		80.8		5.3		3.1		6		79				<0.2		1.7	
					Bottom	11.3	0.1	307	29.5	29.5	8.1	8.1	29.0	29.0	80.9	81.0	5.3	5.3	5.7		8		83				<0.2		0.7	
						11.3	0.1	337	29.5		8.1		29.0		81.1		5.3		5.7		6		82				<0.2		0.7	
IM1	Fine	Moderate	17:49	7.4	Surface	1.0	0.1	163	30.9	30.9	7.9	7.9	14.9	14.9	100.0	100.0	6.9	5.9	5.4	12.5	4	6	89	90	818360	806476	<0.2	<0.2	2.7	2.4
						1.0	0.1	171	30.9		7.9		14.9		100.0		6.9		5.4		4		89				<0.2		2.8	
					Middle	3.7	0.1	98	29.3	29.3	7.9	7.9	26.2	26.2	74.7	74.7	4.9		13.9		5		91				<0.2		2.8	
						3.7	0.1	106	29.3		7.9		26.2		74.6		4.9		14.2		5		91				<0.2		2.5	
					Bottom	6.4	0.1	118	29.2	29.2	7.9	7.9	27.7	27.7	74.1	74.1	4.9	4.9	18.1		9		89				<0.2		1.8	
						6.4	0.1	123	29.2		7.9		27.7		74.1		4.9		18.1		7		89				<0.2		1.9	
IM2	Fine	Moderate	17:43	8.5	Surface	1.0	0.2	224	30.8	30.8	7.9	7.9	15.2	15.2	98.6	98.6	6.8	5.9	5.6	10.4	3	5	75	83	818853	806192	<0.2	<0.2	3.0	2.3
						1.0	0.2	239	30.8		7.9		15.1		98.5		6.8		5.6		4		75				<0.2		2.8	
					Middle	4.3	0.1	36	29.3	29.3	7.9	7.9	27.4	27.4	74.6	74.6	4.9		12.3		5		86				<0.2		1.6	
						4.3	0.1	39	29.3		7.9		27.4		74.6		4.9		12.3		6		86				<0.2		1.7	
					Bottom	7.5	0.1	300	29.2	29.2	7.9	7.9	28.2	28.2	75.5	75.5	5.0	5.0	13.2		6		88				<0.2		2.4	
						7.5	0.1	305	29.2		7.9		28.2		75.5		5.0		13.2		5		88				<0.2		2.4	
IM3	Fine	Moderate	17:35	8.6	Surface	1.0	0.1	284	30.8	30.8	7.9	7.9	14.6	14.6	102.0	102.0	7.0	6.0	5.1	10.4	4	4	81	83	819415	806012	<0.2	<0.2	2.7	2.3
						1.0	0.1	287	30.8		7.9		14.6		101.9		7.0		5.2		4		82				<0.2		2.5	
					Middle	4.3	0.1	57	29.2	29.2	7.9	7.9	27.2	27.2	74.0	74.0	4.9		13.4		4		83				<0.2		1.7	
						4.3	0.1	58	29.2		7.9		27.2		74.0		4.9		13.4		5		84				<0.2		1.8	
					Bottom	7.6	0.1	4	29.2	29.2	7.9	7.9	28.1	28.1	75.3	75.3	4.9	4.9	12.5		4		85				<0.2		2.5	
						7.6	0.1	4	29.2		7.9		28.1		75.3		4.9		12.5		4		85				<0.2		2.7	
IM4	Fine	Moderate	17:25	7.6	Surface	1.0	0.0	20	30.7	30.7	7.9	7.9	15.1	15.1	95.8	95.8	6.6	5.8	4.5	9.7	4	4	77	83	819563	805040	<0.2	<0.2	2.6	1.9
						1.0	0.0	20	30.7		7.9		15.1		95.7		6.6		4.5		3		77				<0.2		2.6	
					Middle	3.8	0.1	337	29.3	29.3	7.9	7.9	26.7	26.7	74.1	74.0	4.9		9.2		3		85				<0.2		1.8	
						3.8	0.1	355	29.3		7.9		26.6		73.9		4.9		9.5		3		85				<0.2		1.8	
					Bottom	6.6	0.1	14	29.2	29.2	7.9	7.9	28.0	28.0	73.3	73.3	4.8	4.8	15.1		6		87				<0.2		1.2	
						6.6	0.1	14	29.2		7.9		28.0		73.3		4.8		15.2		6		87				<0.2		1.4	
IM5	Fine	Moderate	17:13	7.1	Surface	1.0	0.0	283	31.3	31.3	7.9	7.9	13.7	13.8	94.5	93.6	6.5	5.8	5.8	14.7	5	5	86	87	820572	804926	<0.2	<0.2	2.8	2.4
						1.0	0.0	297	31.3		7.9		13.9		92.7		6.4		5.9		4		86				<0.2		3.0	
					Middle	3.6	0.1	-	29.3	29.4	7.9	7.9	26.8	26.7	76.7	76.9	5.1		8.5		5		88				<0.2		2.4	
						3.6	0.1	-	29.4		7.9		26.6		77.1		5.1		8.8		6		88				<0.2		2.3	
					Bottom	6.1	0.2	25	29.3	29.3	7.9	7.9	27.5	27.5	81.7	81.9	5.4	5.4	29.5		5		87				<0.2		2.1	
						6.1	0.2	26	29.3		7.9		27.5		82.1		5.4		29.7		5		88				<0.2		1.6	
IM6	Fine	Moderate	17:04	6.9	Surface	1.0	0.0	90	30.9	30.9	7.9	7.9	15.5	15.5	99.9	99.8	6.8	6.1	5.3	22.5	6	6	85	87	821063	805817	<0.2	<0.2	2.3	2.0
						1.0	0.0	90	30.9		7.9		15.5		99.7		6.8		5.5		4		85				<0.2		2.3	
					Middle	3.5	0.1	323	29.7	29.7	7.9	7.9	23.6	23.7	81.5	81.5	5.4		25.9		4		86				<0.2		2.4	
						3.5	0.1	339	29.7		7.9		23.7		81.5		5.4		25.7		4		86				<0.2		2.4	
					Bottom	5.9	0.1	35	29.5	29.5	7.9	7.9	25.0	25.0	77.8	77.8	5.2	5.2	36.2		8		89				<0.2		1.4	
						5.9	0.2	35	29.5		7.9		25.0		77.8		5.2		36.2		8		89				<0.2		1.4	
IM7	Fine	Moderate	16:57	8.2	Surface	1.0	0.2	191	30.6	30.6	7.8	7.8	16.3	16.3	84.3	84.0	5.8	5.4	7.3	12.0	6	8	78	83	821365	806854	<0.2	<0.2	2.4	2.1
						1.0	0.2	200	30.6		7.8		16.3		83.7		5.7		7.4		5		78				<0.2		2.4	
					Middle	4.1	0.1	194	30.0	30.0	7.7	7.7	20.7	20.7	74.0	74.0	5.0		10.0		6		84				<0.2		2.2	
						4.1	0.1	201	30.0		7.7		20.6		74.0		5.0		10.1		6		84				<0.2		2.1	
					Bottom	7.2	0.1	135	29.6	29.6	7.8	7.8	23.1	23.0	71.8	71.9	4.8	4.8	18.5		12		85				<0.2		1.6	
						7.2	0.1	141	29.6		7.8		22.9		71.9		4.8		18.5		12		86				<0.2		1.6	
IM8	Sunny	Moderate	17:26	8.4	Surface	1.0	0.1	153	30.9	30.9	8.0	8.0	15.5	15.5	88.3	88.3	6.0	5.5	7.8	9.7	3	5	75	79	821696	807846	<0.2	<0.2	2.4	2.1
						1.0	0.1	157	30.9		8.0		15.5		88.3		6.0		7.8		5		76				<0.2		2.3	
					Middle	4.2	0.1	72	30.1	30.1	7.9	7.9	20.5	20.5	73.9	73.9	5.0		6.5		6		80				<0.2		2.3	
						4.2	0.1	73	30.1		7.9		20.5		73.9		5.0		6.5		4		79				<0.2		2.6	
					Bottom	7.4	0.1	39	29.6	29.6	8.1	8.1	25.2	25.2	77.1	77.2	5.1	5.1	14.9		6		83				<0.2		1.5	
						7.4	0.1	42	29.6		8.1		25.2		77.3		5.1		14.9		7		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 28 September 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	17:34	7.2	Surface	1.0	0.1	109	31.0	31.0	7.9	7.9	15.5	15.5	84.4	84.4	5.8	5.6	6.2	6.5	4	4	76	78	822078	808805	<0.2	<0.2	2.5	2.1
						1.0	0.1	110	31.0		7.9		15.5		84.4		5.8		6.2		3		75				<0.2		2.5	
					Middle	3.6	0.0	62	30.3	30.3	7.9	7.9	19.1	19.1	78.9	78.9	5.3		6.8		3		78				<0.2		2.4	
						3.6	0.0	63	30.3		7.9		19.1		78.9		5.3		6.8		3		78				<0.2		2.2	
					Bottom	6.2	0.1	44	29.9	29.9	7.9	7.9	22.9	22.9	83.7	83.7	5.6	5.6	6.6		4		80				<0.2		1.6	
						6.2	0.1	44	29.9		7.9		22.9		83.7		5.6		6.6		4		80				<0.2		1.6	
IM10	Sunny	Moderate	17:42	6.5	Surface	1.0	0.1	136	30.9	30.9	8.0	8.0	15.0	15.0	88.8	88.8	6.1	6.0	4.4	4.5	2	3	75	79	822232	809826	<0.2	<0.2	2.5	2.1
						1.0	0.1	148	30.9		8.0		15.0		88.8		6.1		4.4		3		76				<0.2		2.5	
					Middle	3.3	0.1	265	30.5	30.5	8.0	8.0	18.4	18.4	85.2	85.2	5.8		3.9		3		79				<0.2		1.9	
						3.3	0.1	266	30.5		8.0		18.4		85.2		5.8		3.9		2		79				<0.2		2.2	
					Bottom	5.5	0.1	296	30.1	30.1	8.0	8.0	22.6	22.6	87.0	87.0	5.8	5.8	5.2		4		81				<0.2		1.8	
						5.5	0.1	296	30.1		8.0		22.6		87.0		5.8		5.2		3		81				<0.2		1.7	
IM11	Sunny	Moderate	18:00	7.8	Surface	1.0	0.1	120	30.6	30.6	8.0	8.0	14.8	14.8	81.3	81.3	5.6	5.4	7.3	8.2	4	4	75	78	821500	810544	<0.2	<0.2	3.0	2.6
						1.0	0.1	120	30.6		8.0		14.8		81.3		5.6		7.3		4		76				<0.2		2.9	
					Middle	3.9	0.0	48	30.1	30.1	8.0	8.0	20.8	20.8	76.6	76.6	5.2		6.7		4		78				<0.2		3.0	
						3.9	0.0	49	30.1		8.0		20.8		76.6		5.2		6.7		4		78				<0.2		2.9	
					Bottom	6.8	0.1	340	29.8	29.8	8.0	8.0	24.3	24.3	79.6	79.8	5.3	5.3	10.6		4		79				<0.2		1.7	
						6.8	0.1	343	29.8		8.0		24.3		79.9		5.3		10.6		3		80				<0.2		1.9	
IM12	Sunny	Moderate	18:08	9.0	Surface	1.0	0.2	117	30.6	30.6	8.1	8.1	15.3	15.3	77.0	77.0	5.3	4.9	8.1	11.8	3	5	75	79	821154	811510	<0.2	<0.2	3.2	2.3
						1.0	0.2	120	30.6		8.1		15.3		77.0		5.3		8.1		3		76				<0.2		2.9	
					Middle	4.5	0.1	78	29.7	29.7	8.0	8.0	24.2	24.2	68.4	68.4	4.5		11.6		4		79				<0.2		2.6	
						4.5	0.1	80	29.7		8.0		24.2		68.4		4.5		11.6		4		79				<0.2		2.5	
					Bottom	8.0	0.1	244	29.6	29.6	8.0	8.0	25.9	25.9	70.6	70.6	4.7	4.7	15.7		8		82				<0.2		1.2	
						8.0	0.1	263	29.6		8.0		25.9		70.6		4.7		15.7		9		82				<0.2		1.4	
SR2	Cloudy	Moderate	18:39	4.7	Surface	1.0	0.1	72	31.0	31.0	8.1	8.1	14.6	14.6	91.7	91.7	6.3	6.3	4.7	4.6	3	3	75	77	821457	814167	<0.2	<0.2	2.6	2.5
						1.0	0.1	76	31.0		8.1		14.6		91.7		6.3		4.7		3		76				<0.2		2.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	49	30.2	30.4	8.0	8.0	23.0	22.2	85.5	86.8	5.7	5.8	4.7		2		79				<0.2		2.4	
						3.7	0.1	50	30.5		8.0		21.4		88.0		5.9		4.1		3		79				<0.2		2.4	
SR3	Sunny	Moderate	17:19	8.5	Surface	1.0	0.1	163	30.9	30.9	7.9	7.9	13.9	13.9	79.8	79.8	5.5	5.2	6.0	7.8	4	4	-	-	822149	807577	-	-	-	-
						1.0	0.1	164	30.9		7.9		13.9		79.8		5.5		6.0		4		-				-		-	
					Middle	4.3	0.1	209	30.1	30.1	7.9	7.9	21.0	21.0	73.5	73.5	4.9		8.2		4		-				-		-	
						4.3	0.1	213	30.1		7.9		21.0		73.5		4.9		8.2		3		-				-		-	
					Bottom	7.5	0.1	322	29.7	29.7	8.0	8.0	24.4	24.4	74.7	74.7	5.0	5.0	9.2		3		-				-		-	
						7.5	0.1	344	29.7		8.0		24.4		74.7		5.0		9.2		4		-				-		-	
SR4A	Fine	Moderate	18:31	9.1	Surface	1.0	0.0	109	30.8	30.8	7.9	7.9	19.5	19.4	97.8	97.8	6.6	5.7	8.2	19.3	9	9	-	-	817190	807819	-	-	-	-
						1.0	0.0	118	30.8		7.9		19.3		97.7		6.6		8.1		9		-				-		-	
					Middle	4.6	0.1	240	29.4	29.4	7.9	7.9	25.9	25.9	72.7	72.8	4.8		20.1		9		-				-		-	
						4.6	0.2	240	29.4		7.9		25.9		72.8		4.8		20.4		8		-				-		-	
					Bottom	8.1	0.2	270	29.3	29.3	7.8	7.8	26.5	26.5	75.6	75.6	5.0	5.0	29.7		9		-				-		-	
						8.1	0.2	274	29.3		7.8		26.5		75.6		5.0		29.1		8		-				-		-	
SR5A	Fine	Moderate	18:50	5.2	Surface	1.0	0.1	284	31.2	31.2	8.0	8.0	19.0	19.0	111.6	110.8	7.5	7.4	7.6	9.3	5	5	-	-	816608	810705	-	-	-	-
						1.0	0.1	288	31.2		8.0		19.0		110.0		7.3		7.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	330	30.2	30.2	7.8	7.8	22.2	22.2	87.7	88.1	5.8	5.9	11.2		5		-				-		-	
						4.2	0.1	333	30.2		7.8		22.1		88.5		5.9		10.9		5		-				-		-	
SR6	Fine	Moderate	19:16	4.6	Surface	1.0	0.1	255	30.3	30.4	7.8	7.8	19.8	19.8	95.8	95.4	6.5	6.5	8.8	13.3	9	9	-	-	817901	814649	-	-	-	-
						1.0	0.1	273	30.4		7.8		19.8		95.0		6.4		8.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	149	30.2	30.2	7.7	7.7	20.6	20.6	82.3	82.5	5.5	5.6	17.9		8		-				-		-	
						3.6	0.1	150	30.2		7.7		20.6		82.6		5.6		17.7		9		-				-		-	
SR7	Cloudy	Moderate	19:32	16.8	Surface	1.0	0.2	68	30.3	30.3	8.1	8.1	23.7	23.7	83.7	83.7	5.5	5.2	1.5	2.5	3	3	-	-	823645	823740	-	-	-	-
						1.0	0.2	69	30.3		8.1		23.7		83.7		5.5		1.5		3		-				-		-	
					Middle	8.4	0.1	113	29.7	29.7	8.1	8.1	28.0	28.0	75.5	75.5	4.9		2.6		4		-				-		-	
						8.4	0.1	116	29.7		8.1		28.0		75.5		4.9		2.6		3		-				-		-	
					Bottom	15.8	0.2	96	29.4	29.4	8.1	8.1	29.9	29.9	76.9	76.9	5.0	5.0	3.5		3		-				-		-	
						15.8	0.2	97	29.4		8.1		29.9		76.9		5.0		3.5		4		-				-		-	
SR8	Cloudy	Moderate	18:15	4.2	Surface	1.0	0.0	0	31.1	31.1	8.0	8.0	15.1	15.1	97.4	97.4	6.7	6.7	6.0	6.4	3	4	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	31.1		8.0		15.1		97.4		6.7		6.0		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	0	30.8	30.8	8.0	8.0	16.0	16.0	97.9	97.9	6.7	6.7	6.8		4		-				-		-	
						3.2	0.0	0	30.8		8.0		16.0		97.9		6.7		6.8		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 30 September 17 during Mid-Flood Tide

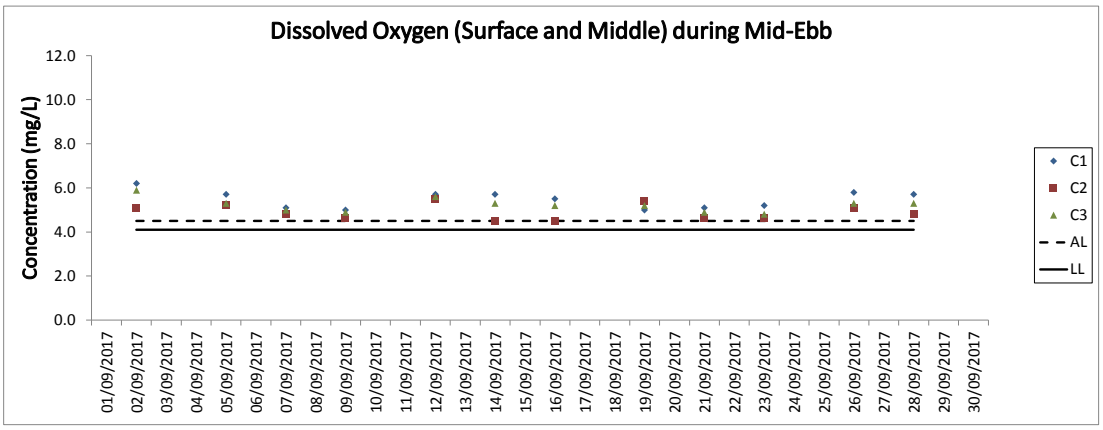
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Suuny	Moderate	16:09	8.4	Surface	1.0	0.2	62	29.8	29.8	7.9	7.9	19.0	19.0	94.9	94.9	6.5	6.3	2.6	9.2	4	5	93	97	815604	804241	<0.2	<0.2	2.2	1.8
						1.0	0.2	66	29.8		7.9		19.0		94.9		6.5		2.6		4		94				<0.2		2.1	
					Middle	4.2	0.2	32	29.6	29.6	7.9	7.9	21.8	21.8	89.2	89.1	6.0		6.0		4		97				<0.2		2.1	
						4.2	0.3	34	29.6		7.9		21.8		88.9		6.0		6.1		3		97				<0.2		2.0	
					Bottom	7.4	0.2	40	29.2	29.2	7.9	7.9	27.8	27.8	77.6	77.6	5.1	5.1	18.9		9		99				<0.2		1.1	
						7.4	0.2	42	29.2		7.9		27.8		77.6		5.1		18.9		8		99				<0.2		1.2	
C2	Cloudy	Rough	15:08	11.3	Surface	1.0	0.2	114	30.4	30.4	7.7	7.7	17.8	17.8	77.8	77.8	5.3	4.9	3.7	13.7	6	5	91	94	825678	806928	<0.2	<0.2	3.1	3.0
						1.0	0.2	122	30.4		7.7		17.8		77.8		5.3		3.7		4		92				<0.2		3.1	
					Middle	5.7	0.2	326	29.9	29.9	7.8	7.8	26.0	26.0	67.6	67.6	4.4		10.0		5		94				<0.2		2.8	
						5.7	0.2	348	29.9		7.8		26.0		67.6		4.4		10.0		5		95				<0.2		2.8	
					Bottom	10.3	0.3	359	29.7	29.7	7.8	7.8	26.6	26.6	67.5	67.5	4.4	4.4	27.4		4		97				<0.2		2.9	
						10.3	0.3	330	29.7		7.8		26.6		67.5		4.4		27.4		5		96				<0.2		3.2	
C3	Cloudy	Moderate	17:31	12.0	Surface	1.0	0.6	263	29.9	29.9	7.9	7.9	24.9	24.9	97.3	97.3	6.4	5.7	1.8	4.6	2	4	94	97	822121	817784	<0.2	<0.2	1.2	1.1
						1.0	0.6	280	29.9		7.9		24.9		97.3		6.4		1.8		3		94				<0.2		1.2	
					Middle	6.0	0.7	260	29.6	29.6	7.9	7.9	28.2	28.2	74.5	74.5	4.9		4.0		3		97				<0.2		1.1	
						6.0	0.7	283	29.6		7.9		28.2		74.5		4.9		4.0		5		95				<0.2		1.2	
					Bottom	11.0	0.5	262	29.5	29.5	7.9	7.9	29.1	29.1	75.9	75.9	4.9	4.9	7.9		5		101				<0.2		1.0	
						11.0	0.5	271	29.5		7.9		29.1		75.9		4.9		7.9		5		101				<0.2		1.0	
IM1	Fine	Moderate	15:50	7.7	Surface	1.0	0.4	333	29.7	29.7	7.9	7.9	23.1	23.1	88.3	88.3	5.9	5.5	6.9	14.2	5	7	93	96	818365	806475	<0.2	<0.2	1.5	1.4
						1.0	0.4	353	29.7		7.9		23.1		88.3		5.9		6.9		6		93				<0.2		1.5	
					Middle	3.9	0.3	350	29.4	29.4	7.9	7.9	26.5	26.5	76.2	76.2	5.0		13.2		8		96				<0.2		1.5	
						3.9	0.3	322	29.4		7.9		26.5		76.2		5.0		13.2		6		97				<0.2		1.4	
					Bottom	6.7	0.2	352	29.3	29.3	7.9	7.9	28.1	28.1	72.6	72.6	4.8	4.8	22.6		9		98				<0.2		1.3	
						6.7	0.3	324	29.3		7.9		28.1		72.6		4.8		22.6		10		99				<0.2		1.3	
IM2	Fine	Moderate	15:45	8.1	Surface	1.0	0.5	319	29.6	29.6	7.9	7.9	23.5	23.5	86.1	86.1	5.8	5.5	5.6	9.1	7	7	91	94	818833	806203	<0.2	<0.2	1.3	1.3
						1.0	0.5	349	29.6		7.9		23.5		86.1		5.8		5.6		7		91				<0.2		1.4	
					Middle	4.1	0.3	329	29.4	29.4	7.9	7.9	25.2	25.2	77.9	77.9	5.2		7.3		8		94				<0.2		1.2	
						4.1	0.4	350	29.4		7.9		25.2		77.9		5.2		7.3		6		94				<0.2		1.2	
					Bottom	7.1	0.3	328	29.2	29.2	7.9	7.9	28.2	28.2	77.4	77.4	5.1	5.1	14.3		7		96				<0.2		1.2	
						7.1	0.4	335	29.2		7.9		28.2		77.4		5.1		14.3		7		96				<0.2		1.2	
IM3	Fine	Moderate	15:37	8.3	Surface	1.0	0.2	295	29.9	29.9	7.9	7.9	20.2	20.2	93.1	93.1	6.3	5.9	5.4	9.7	6	6	89	93	819420	806003	<0.2	<0.2	1.8	1.8
						1.0	0.2	318	29.9		7.9		20.2		93.1		6.3		5.4		6		89				<0.2		1.9	
					Middle	4.2	0.2	319	29.5	29.5	7.9	7.9	24.9	24.9	81.6	81.6	5.4		9.4		6		93				<0.2		1.8	
						4.2	0.2	345	29.5		7.9		24.9		81.6		5.4		9.4		6		94				<0.2		1.8	
					Bottom	7.3	0.1	349	29.3	29.3	7.9	7.9	28.1	28.1	73.1	73.1	4.8	4.8	14.4		7		97				<0.2		1.7	
						7.3	0.1	321	29.3		7.9		28.1		73.1		4.8		14.4		6		97				<0.2		1.7	
IM4	Fine	Moderate	15:27	8.5	Surface	1.0	0.4	255	29.9	29.9	7.9	7.9	20.1	20.1	87.5	87.5	5.9	5.6	5.6	10.1	6	7	91	94	819571	805022	<0.2	<0.2	2.1	1.9
						1.0	0.5	262	29.9		7.9		20.1		87.5		5.9		5.6		8		91				<0.2		1.9	
					Middle	4.3	0.2	289	29.5	29.5	7.9	7.9	23.8	23.8	78.8	78.8	5.3		9.0		6		94				<0.2		1.6	
						4.3	0.3	316	29.5		7.9		23.8		78.8		5.3		9.0		7		95				<0.2		1.8	
					Bottom	7.5	0.2	350	29.2	29.2	7.9	7.9	28.3	28.3	79.2	79.2	5.2	5.2	15.7		6		96				<0.2		1.8	
						7.5	0.2	357	29.2		7.9		28.3		79.2		5.2		15.7		6		97				<0.2		2.0	
IM5	Fine	Moderate	15:16	7.5	Surface	1.0	0.3	270	29.9	29.9	7.8	7.8	18.7	18.7	90.6	90.6	6.2	5.9	3.7	9.0	4	5	93	96	820544	804940	<0.2	<0.2	2.2	2.2
						1.0	0.4	277	29.9		7.8		18.7		90.5		6.2		3.8		4		94				<0.2		2.2	
					Middle	3.8	0.2	313	29.8	29.8	7.8	7.8	20.3	20.3	81.2	81.2	5.5		8.9		5		96				<0.2		2.4	
						3.8	0.2	339	29.8		7.8		20.3		81.2		5.5		8.9		4		97				<0.2		2.2	
					Bottom	6.5	0.3	336	29.4	29.4	7.9	7.9	25.8	25.8	79.0	79.0	5.2	5.2	14.3		8		98				<0.2		2.0	
						6.5	0.3	309	29.4		7.9		25.8		79.0		5.2		14.3		6		98				<0.2		2.0	
IM6	Cloudy	Moderate	15:09	6.4	Surface	1.0	0.5	265	30.2	30.2	7.8	7.8	16.8	16.8	95.1	95.1	6.5	6.1	4.1	8.8	5	8	91	94	821062	805839	<0.2	<0.2	2.8	2.5
						1.0	0.5	266	30.2		7.8		16.8		95.1		6.5		4.1		4		91				<0.2		2.8	
					Middle	3.2	0.5	287	29.8	29.8	7.9	7.9	20.2	20.2	84.1	84.1	5.7		10.7		8		94				<0.2		2.5	
						3.2	0.5	307	29.8		7.9		20.2		84.1		5.7		10.7		9		94				<0.2		2.3	
					Bottom	5.4	0.1	303	29.7	29.7	7.8	7.8	22.9	22.9	87.9	87.9	5.9	5.9	11.7		10		97				<0.2		2.4	
						5.4	0.1	320	29.7		7.8		22.9		87.9		5.9		11.7		9		97				<0.2		2.1	
IM7	Cloudy	Moderate	15:05	7.6	Surface	1.0	0.4	293	30.2	30.2	7.8	7.8	17.1	17.1	98.4	98.4	6.8	6.1	3.5	3.6	4	5	91	95	821352	806839	<0.2	<0.2	2.7	2.4
						1.0	0.4	321	30.2		7.8		17.1		98.4		6.8		3.5		5		91				<0.2		2.6	
					Middle	3.8	0.3	303	30.0	30.0	7.8	7.8	19.9	19.9	79.3	79.3	5.4		3.1		4		94				<0.2		2.7	
						3.8	0.4	318	30.0		7.8		19.9		79.3		5.4		3.1		5		94				<0.2		2.7	
					Bottom	6.6	0.1	262	29.8	29.8	7.8	7.8	23.5	23.5	78.2	78.2	5.2	5.2	4.3		6		98				<0.2		1.9	
						6.6	0.2	266	29.8		7.8		23.5		78.2		5.2		4.3		5		99				<0.2		1.7	
IM8	Sunny	Rough	15:39	8.2	Surface	1.0	0.2	241	30.7	30.7	7.8	7.8	16.6	16.6	101.5	101.5	6.9	6.1	8.3	7.3	6	6	89	94	821679	807837	<0.2	<0.2	2.1	2.3
						1.0	0.2	242	30.7		7.8		16.6		101.5		6.9		8.3		5		90				<0.2		2.5	
					Middle	4.1	0.1	254	30.4	30.4	7.7	7.7	20.0	20.0	79.2	79.2	5.3		4.4		6		95				<0.2		2.4	
						4.1	0.1	264	30.4		7.7		20.0		79.2		5.3		4.4		7		94				<0.2		2.4	
					Bottom	7.2	0.1	284	29.8	29.8	7.8	7.8	27.6	27.6	75.2	75.2	4.9	4.9	9.2		7		99				<0.2		2.2	
						7.2	0.1	308	29.8		7.8		27.6		75.2		4.9		9.2		6		98				<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 30 September 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	Rough	15:49	6.9	Surface	1.0	0.1	276	30.3	30.3	7.8	7.8	18.2	18.2	97.3	97.3	6.6	6.3	3.4	3.4	6	6	94	96	822085	808807	<0.2	<0.2	2.3	2.2
						1.0	0.1	278	30.3		7.8		18.2		97.3		6.6				5		93				<0.2		2.4	
					Middle	3.5	0.1	253	30.3	30.3	7.8	7.8	18.4	18.4	88.6	88.6	6.0				6		96				<0.2		2.2	
						3.5	0.1	263	30.3		7.8		18.4		88.6		6.0				7		96				<0.2		2.0	
					Bottom	5.9	0.1	296	30.3	30.3	7.8	7.8	20.7	20.7	86.4	86.4	5.8	5.8			6		98				<0.2		2.1	
						5.9	0.1	299	30.3		7.8		20.7		86.4		5.8				6		99				<0.2		2.0	
IM10	Sunny	Rough	15:58	6.7	Surface	1.0	0.2	328	30.4	30.4	7.8	7.8	19.0	19.0	93.6	93.6	6.3	5.9	6.9	6.9	4	6	92	96	822256	809826	<0.2	<0.2	2.1	2.0
						1.0	0.2	340	30.4		7.8		19.0		93.6		6.3				4		92				<0.2		1.9	
					Middle	3.4	0.2	338	30.3	30.3	7.8	7.8	21.0	21.0	82.6	82.6	5.5				6		96				<0.2		2.2	
						3.4	0.2	352	30.3		7.8		21.0		82.6		5.5				4		96				<0.2		2.2	
					Bottom	5.7	0.2	328	30.1	30.1	7.8	7.8	23.3	23.3	80.2	80.2	5.3	5.3			7		98				<0.2		1.7	
						5.7	0.2	332	30.1		7.8		23.3		80.2		5.3				9		99				<0.2		1.6	
IM11	Sunny	Moderate	16:18	8.1	Surface	1.0	0.3	281	30.3	30.3	7.9	7.9	20.1	20.1	92.2	92.2	6.2	5.9	6.6	6.6	4	4	95	96	821511	810556	<0.2	<0.2	1.9	1.9
						1.0	0.3	289	30.3		7.9		20.1		92.2		6.2				5		94				<0.2		2.1	
					Middle	4.1	0.2	308	29.9	29.9	7.9	7.9	23.4	23.4	83.0	83.0	5.5				4		96				<0.2		1.8	
						4.1	0.2	315	29.9		7.9		23.4		83.0		5.5				4		96				<0.2		1.7	
					Bottom	7.1	0.2	292	29.8	29.8	7.9	7.9	24.6	24.6	82.3	82.3	5.5	5.5			4		98				<0.2		1.8	
						7.1	0.2	301	29.8		7.9		24.6		82.3		5.5				4		99				<0.2		1.8	
IM12	Sunny	Moderate	16:27	8.5	Surface	1.0	0.4	275	30.1	30.1	8.0	8.0	21.3	21.3	107.2	107.2	7.2	6.5	6.8	6.8	4	5	94	96	821176	811513	<0.2	<0.2	1.6	1.6
						1.0	0.4	279	30.1		8.0		21.3		107.2		7.2				4		94				<0.2		1.6	
					Middle	4.3	0.4	273	29.9	29.9	7.9	7.9	24.2	24.2	85.9	85.9	5.7				6		96				<0.2		1.9	
						4.3	0.5	288	29.9		7.9		24.2		85.8		5.7				6		96				<0.2		1.7	
					Bottom	7.5	0.3	286	29.7	29.7	7.8	7.8	26.5	26.5	76.3	76.3	5.0	5.0			5		99				<0.2		1.5	
						7.5	0.3	300	29.7		7.8		26.5		76.3		5.0				6		99				<0.2		1.5	
SR2	Cloudy	Moderate	17:04	4.8	Surface	1.0	0.4	314	30.0	30.0	8.0	8.0	23.0	23.0	113.2	113.2	7.5	7.5	6.0	6.0	-	6	91	94	821477	814159	<0.2	<0.2	1.6	1.6
						1.0	0.4	340	30.0		8.0		23.0		113.2		7.5				6		92				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.8	0.2	265	29.9	29.9	7.9	7.9	24.6	24.6	96.5	96.5	6.4	6.4			7		96				<0.2		1.4	
						3.8	0.2	273	29.9		7.9		24.6		96.5		6.4				6		96				<0.2		1.4	
SR3	Cloudy	Rough	15:31	8.6	Surface	1.0	0.3	199	30.6	30.6	7.9	7.9	15.6	15.6	104.0	104.0	7.1	6.2	3.6	3.6	6	5	-	-	822147	807552	-	-	-	-
						1.0	0.3	202	30.6		7.9		15.6		104.0		7.1				4		-				-		-	
					Middle	4.3	0.2	254	30.3	30.3	7.8	7.8	21.1	21.1	78.0	78.0	5.2				4		-				-		-	
						4.3	0.2	275	30.3		7.8		21.1		78.0		5.2				4		-				-		-	
					Bottom	7.6	0.1	129	30.0	30.0	7.8	7.8	24.5	24.5	78.8	78.8	5.2	5.2			5		-				-		-	
						7.6	0.1	130	30.0		7.8		24.5		78.8		5.2				6		-				-		-	
SR4A	Suuny	Moderate	16:29	8.0	Surface	1.0	0.1	233	29.9	29.9	8.2	8.2	22.1	22.2	131.1	131.1	8.8	7.6	10.9	10.9	10	10	-	-	817172	807794	-	-	-	-
						1.0	0.1	251	29.9		8.2		22.2		131.1		8.8				10		-				-		-	
					Middle	4.0	0.0	138	29.6	29.6	8.0	8.0	23.4	23.4	95.2	95.2	6.4				10		-				-		-	
						4.0	0.0	143	29.6		8.0		23.4		95.2		6.4				10		-				-		-	
					Bottom	7.0	0.1	215	29.3	29.3	7.9	7.9	26.6	26.6	76.6	76.6	5.1	5.1			10		-				-		-	
						7.0	0.1	223	29.3		7.9		26.6		76.6		5.1				10		-				-		-	
SR5A	Suuny	Moderate	16:47	5.0	Surface	1.0	0.2	311	29.9	29.9	8.3	8.3	21.9	21.9	152.7	152.7	10.3	10.3	8.3	8.3	12	11	-	-	816594	810703	-	-	-	-
						1.0	0.2	322	29.9		8.3		21.9		152.6		10.2				10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	4.0	0.1	306	29.7	29.7	8.0	8.0	24.0	24.0	99.6	99.6	6.6	6.6			10		-				-		-	
						4.0	0.1	331	29.7		8.0		24.0		99.6		6.6				12		-				-		-	
SR6	Suuny	Moderate	17:10	4.5	Surface	1.0	0.0	30	30.0	30.0	8.0	8.0	23.5	23.5	112.1	112.0	7.5	7.5	21.4	21.4	21	21	-	-	817912	814649	-	-	-	-
						1.0	0.0	32	30.0		8.0		23.5		111.9		7.4				21		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.5	0.2	10	29.8	29.8	7.9	7.9	24.1	24.1	86.8	86.8	5.8	5.8			22		-				-		-	
						3.5	0.2	10	29.8		7.9		24.1		86.8		5.8				21		-				-		-	
SR7	Cloudy	Moderate	18:04	16.3	Surface	1.0	0.1	180	29.8	29.8	7.9	7.9	27.0	27.0	93.4	93.4	6.1	6.0	3.8	3.8	5	6	-	-	823654	823747	-	-	-	-
						1.0	0.1	195	29.8		7.9		27.0		93.4		6.1				6		-				-		-	
					Middle	8.2	0.2	208	29.7	29.7	7.9	7.9	27.8	27.8	88.2	88.2	5.8				6		-				-		-	
						8.2	0.2	226	29.7		7.9		27.8		88.2		5.8				5		-				-		-	
					Bottom	15.3	0.2	174	29.6	29.6	7.9	7.9	28.9	28.9	87.5	87.5	5.7	5.7			8		-				-		-	
						15.3	0.2	182	29.6		7.9		28.9		87.5		5.7				8		-				-		-	
SR8	Sunny	Moderate	16:37	4.5	Surface	1.0	0.0	0	30.5	30.5	7.9	7.9	20.1	20.1	94.3	94.3	6.3	6.3	19.3	19.3	11	11	-	-	820246	811418	-	-	-	-
						1.0	0.0	0	30.5		7.9		20.1		94.3		6.3				11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.5	0.0	0	29.9	29.9	7.9	7.9	23.2	23.2	89.9	89.9	6.0	6.0			10		-				-		-	
						3.5	0.0	0	29.9		7.9		23.2		89.9		6.0				11		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: The ebb tide monitoring session on 30 September 2017 was cancelled due to hoisting Thunderstorm Signal and adverse sea condition.


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
10/09/2017
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12/09/2017
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21/09/2017
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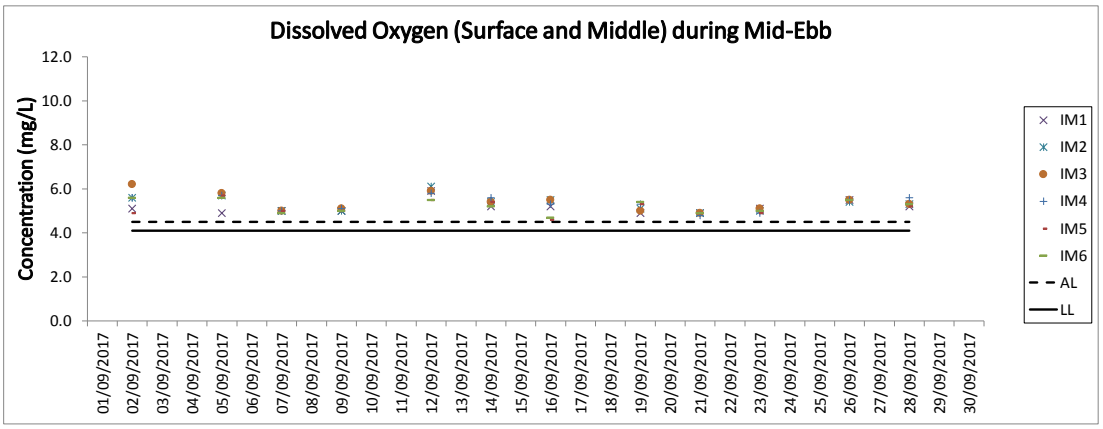
30/09/2017
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
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26/09/2017
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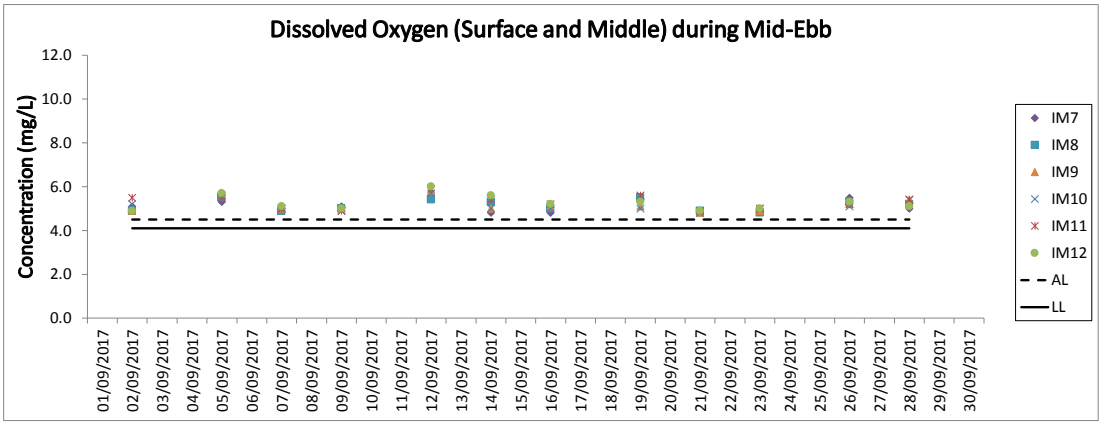
30/09/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
10/09/2017
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26/09/2017
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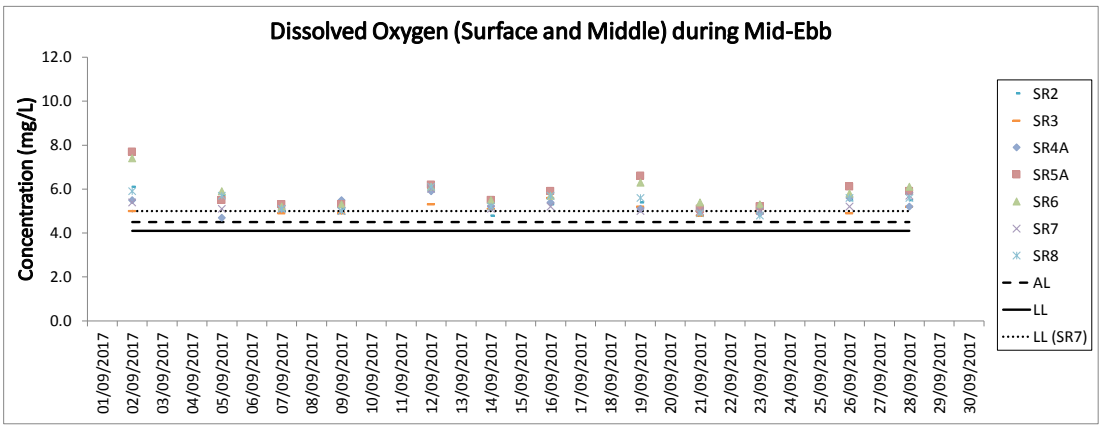
30/09/2017
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
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18/09/2017
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20/09/2017
21/09/2017
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23/09/2017
24/09/2017
25/09/2017
26/09/2017
27/09/2017
28/09/2017
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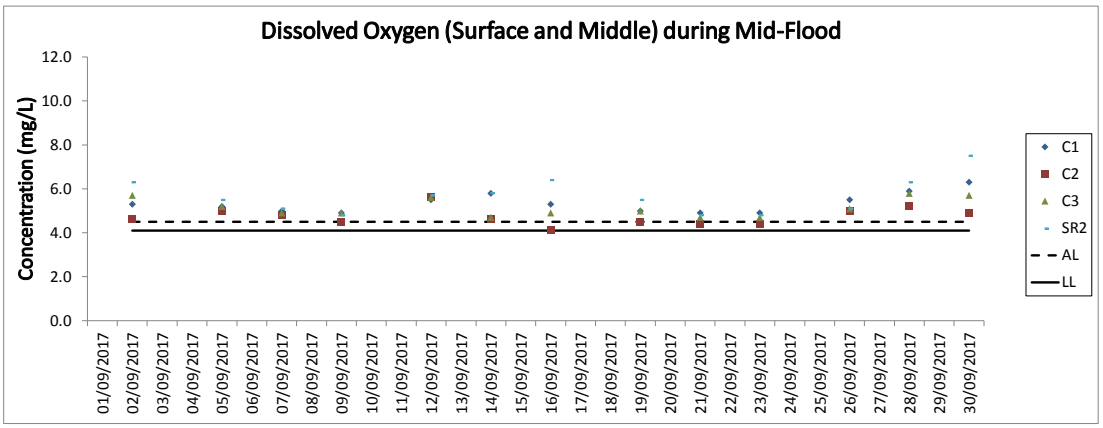
30/09/2017
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
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07/09/2017
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15/09/2017
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25/09/2017
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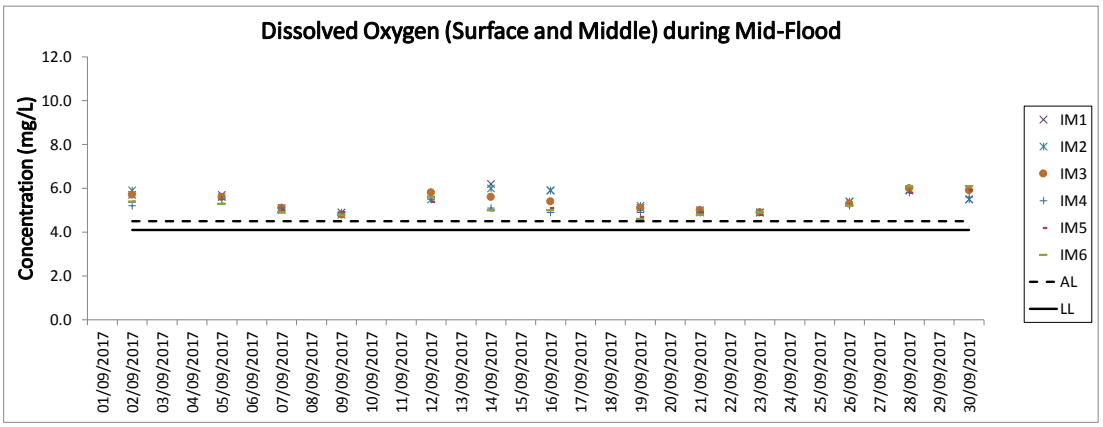
30/09/2017
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
10/09/2017
11/09/2017
12/09/2017
13/09/2017
14/09/2017
15/09/2017
16/09/2017
17/09/2017
18/09/2017
19/09/2017
20/09/2017
21/09/2017
22/09/2017
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26/09/2017
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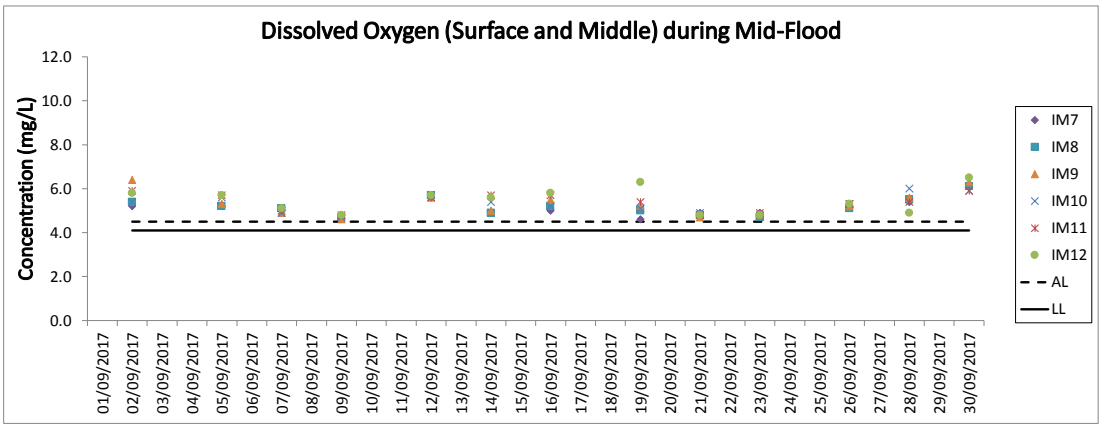
29/09/2017
30/09/2017
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
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08/09/2017
09/09/2017
10/09/2017
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12/09/2017
13/09/2017
14/09/2017
15/09/2017
16/09/2017
17/09/2017
18/09/2017
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26/09/2017
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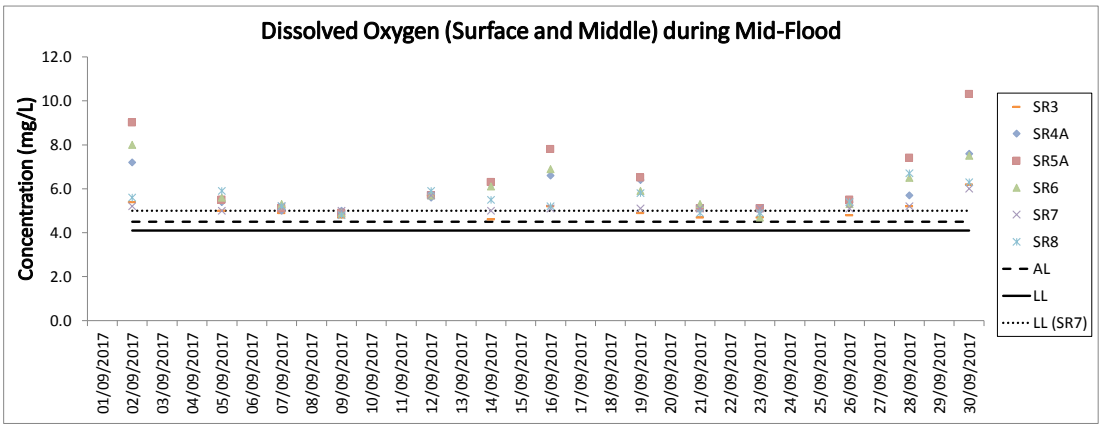
30/09/2017
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
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26/09/2017
27/09/2017
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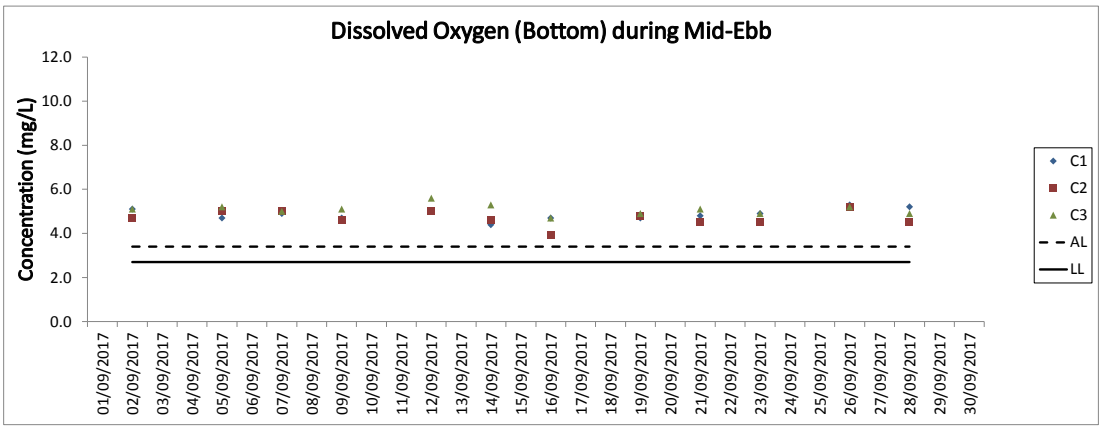
30/09/2017
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
05/09/2017
06/09/2017
07/09/2017
08/09/2017
09/09/2017
10/09/2017
11/09/2017
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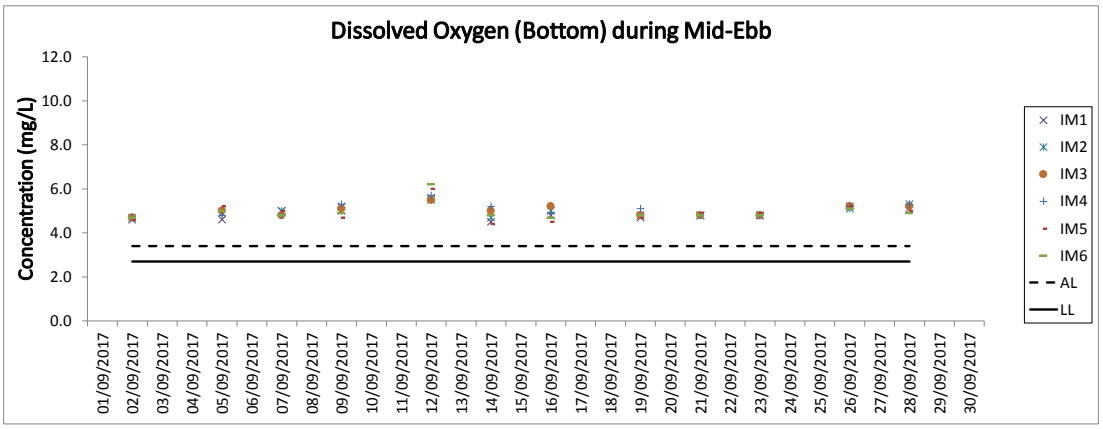
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
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IM1
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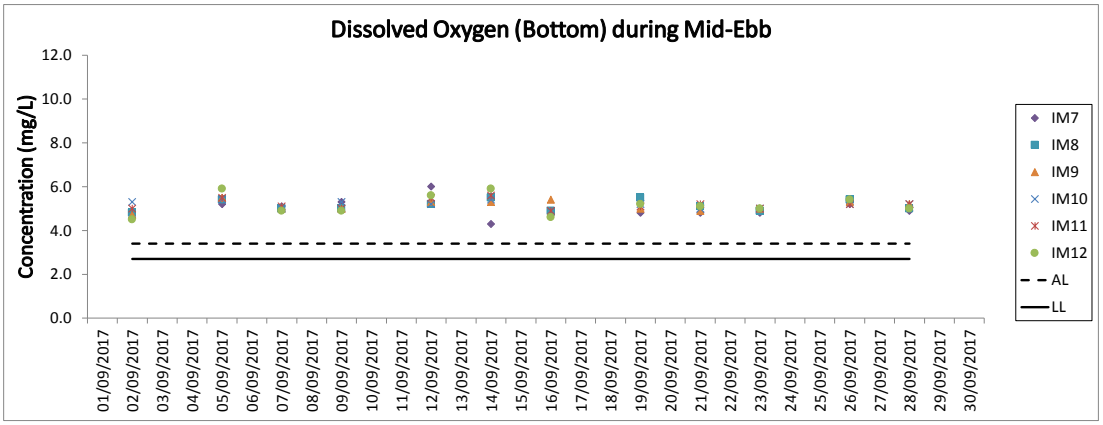
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
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IM7
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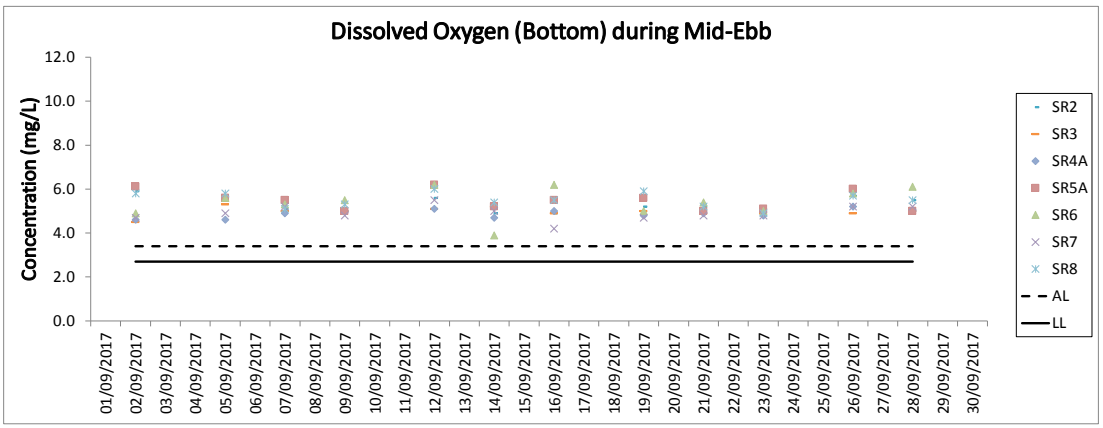
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
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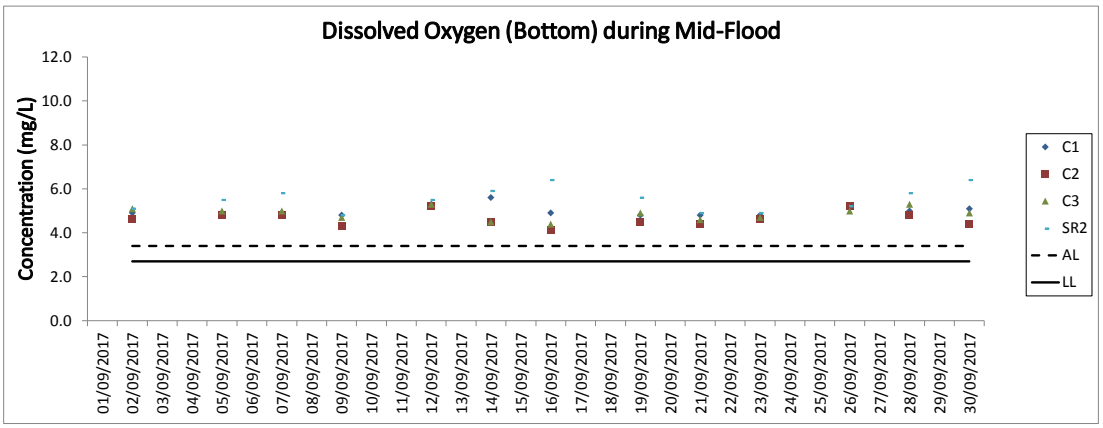
30/09/2017
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
04/09/2017
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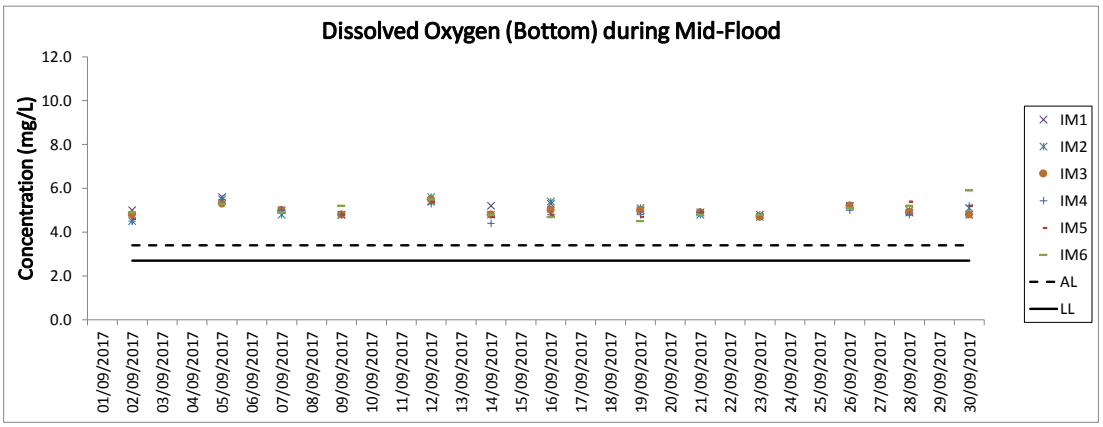
30/09/2017
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
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8.0
6.0
4.0
2.0
0.0
01/09/2017
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IM1
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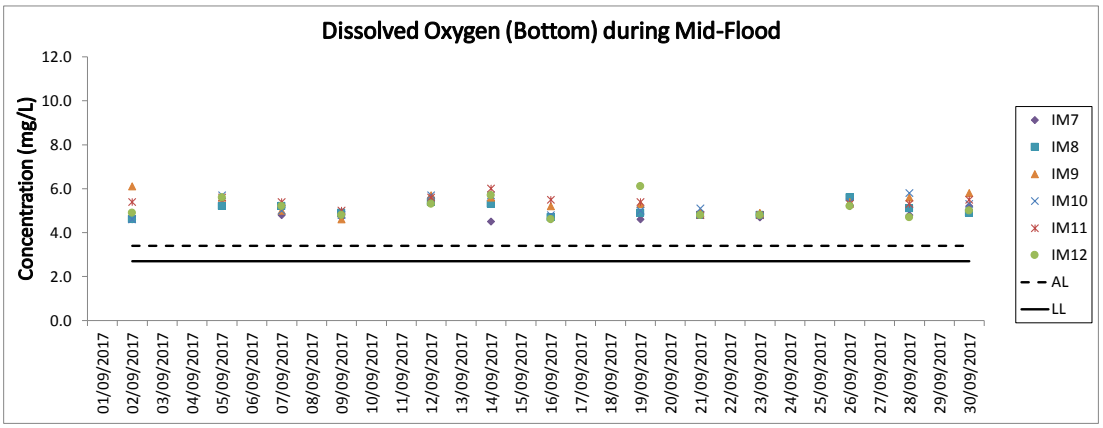
Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
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IM7
IM8
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AL
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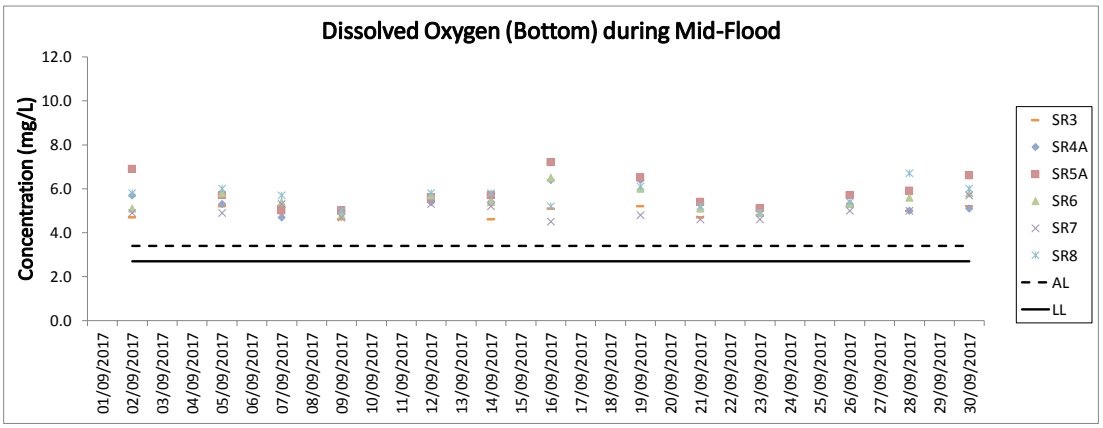
Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2017
02/09/2017
03/09/2017
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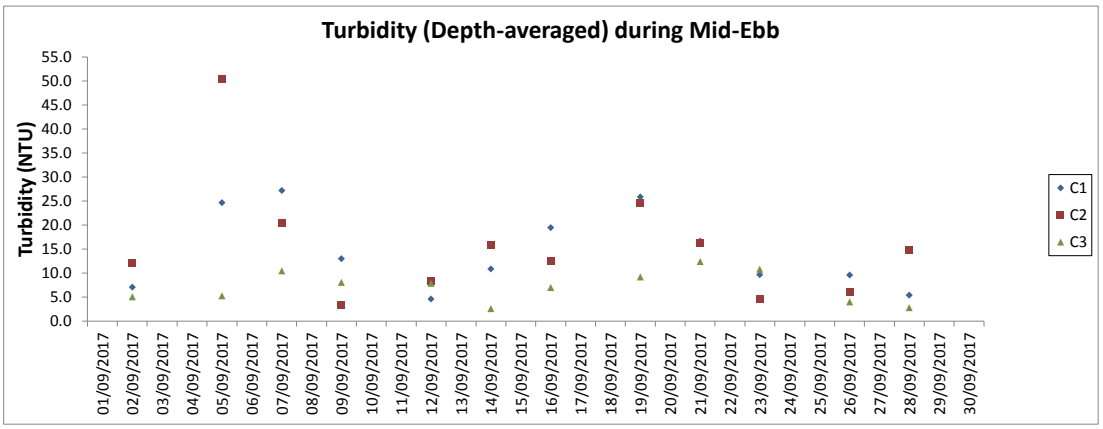
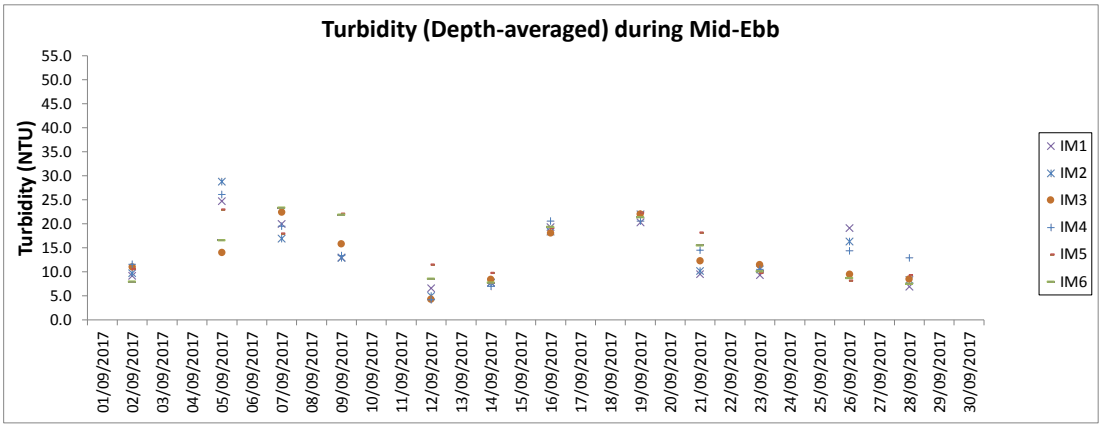
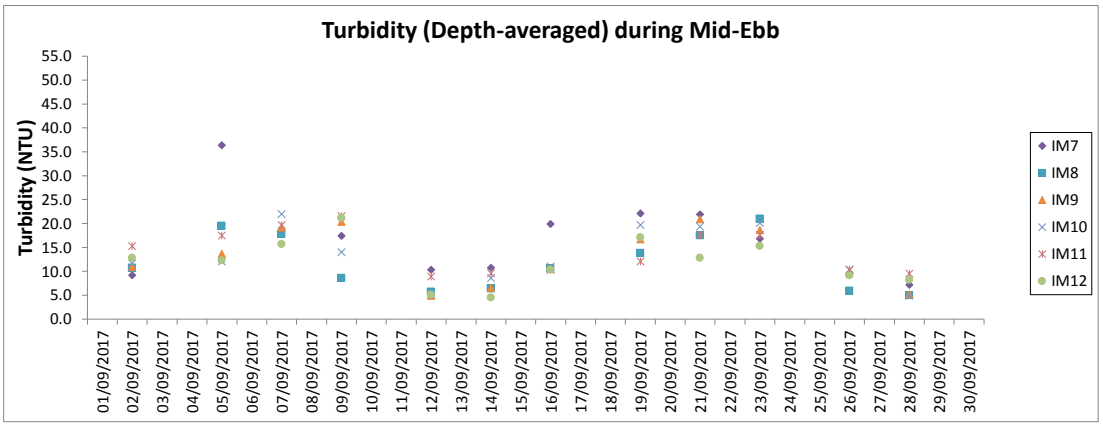
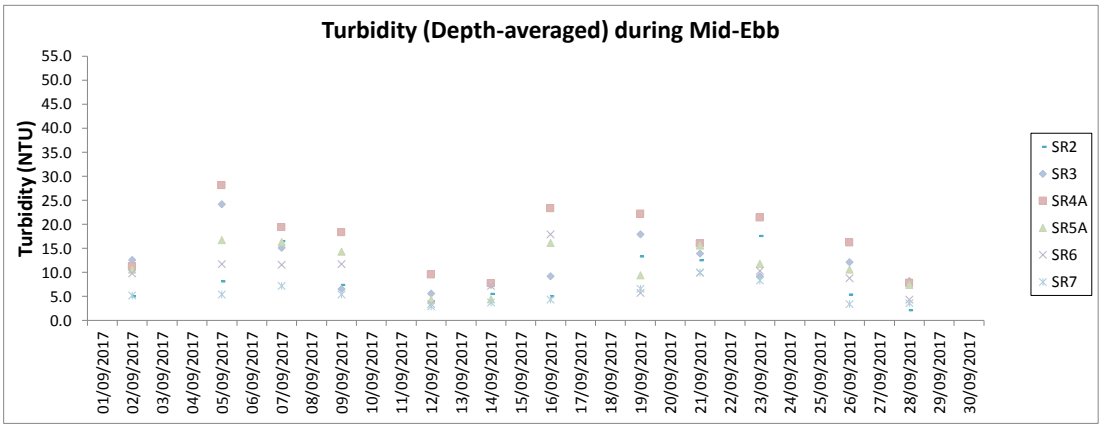
30/09/2017
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

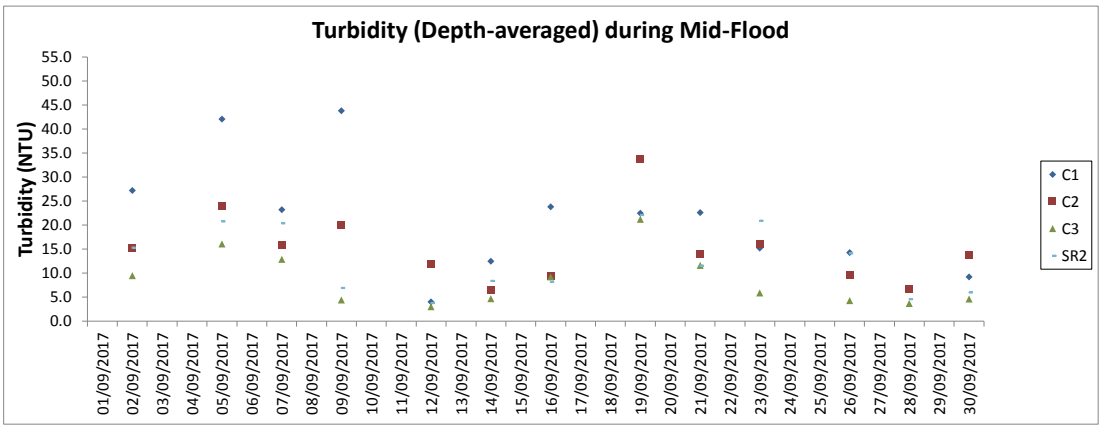


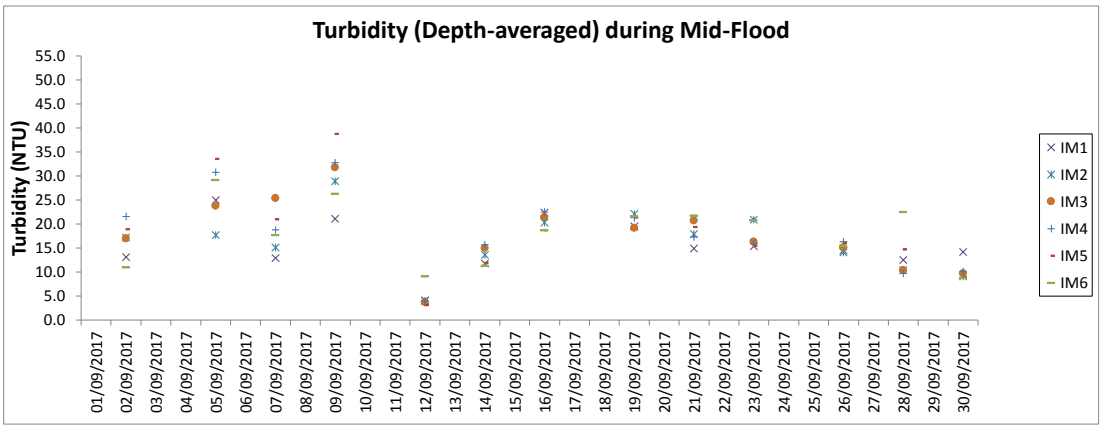


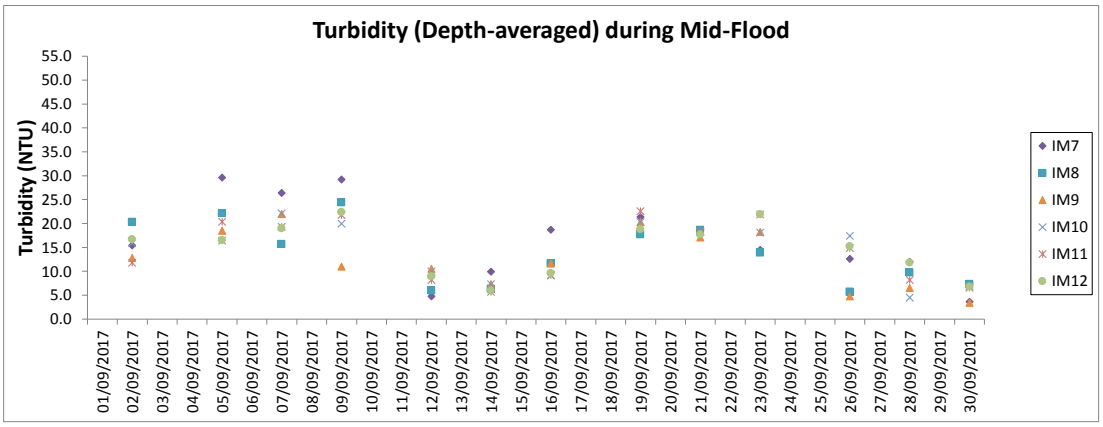


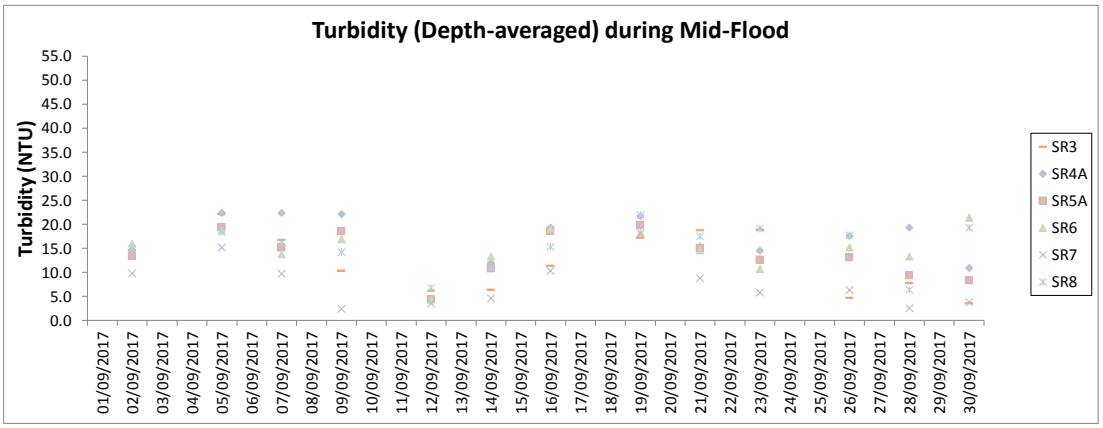


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

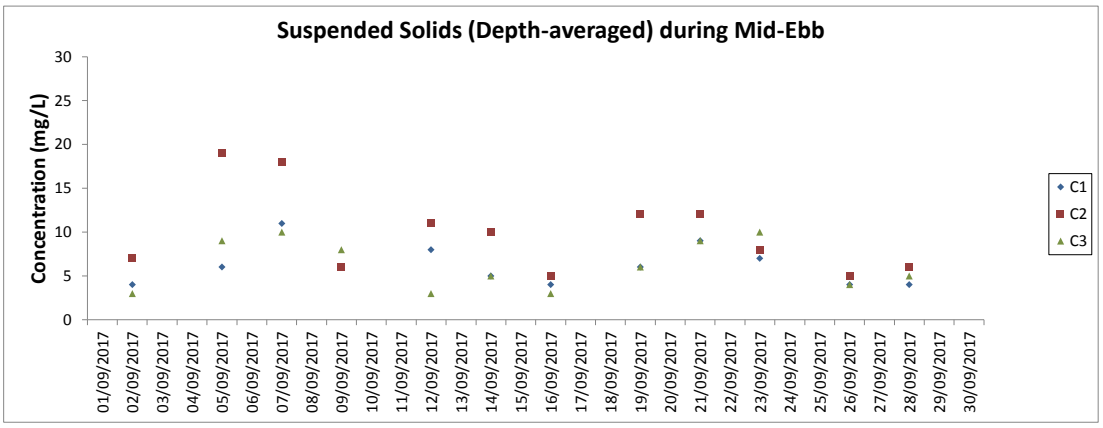


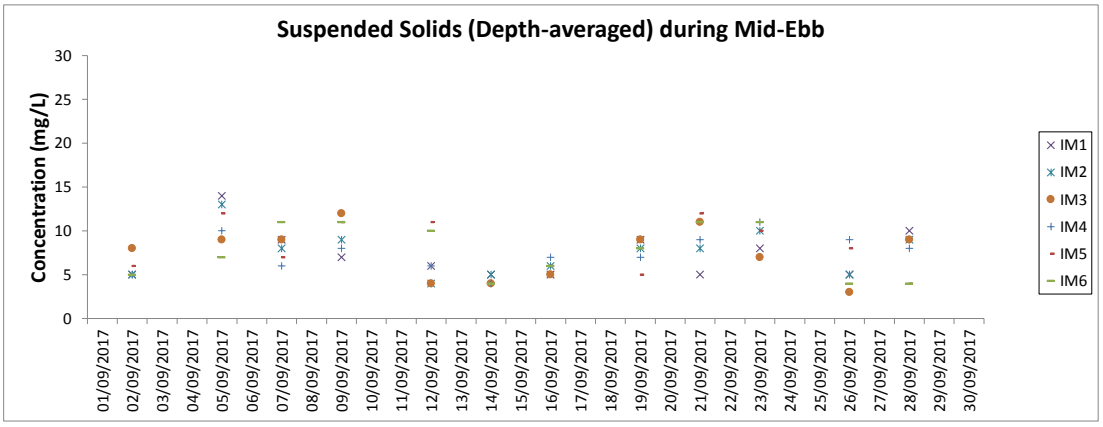


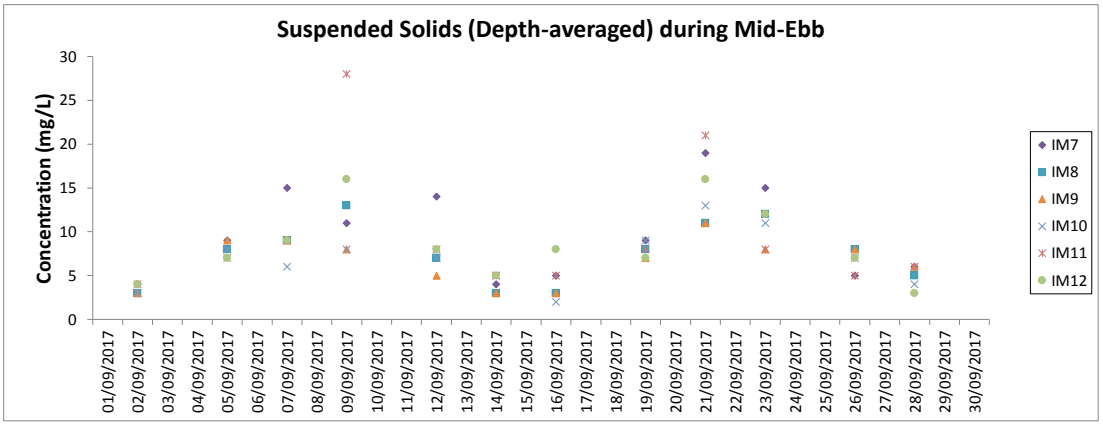


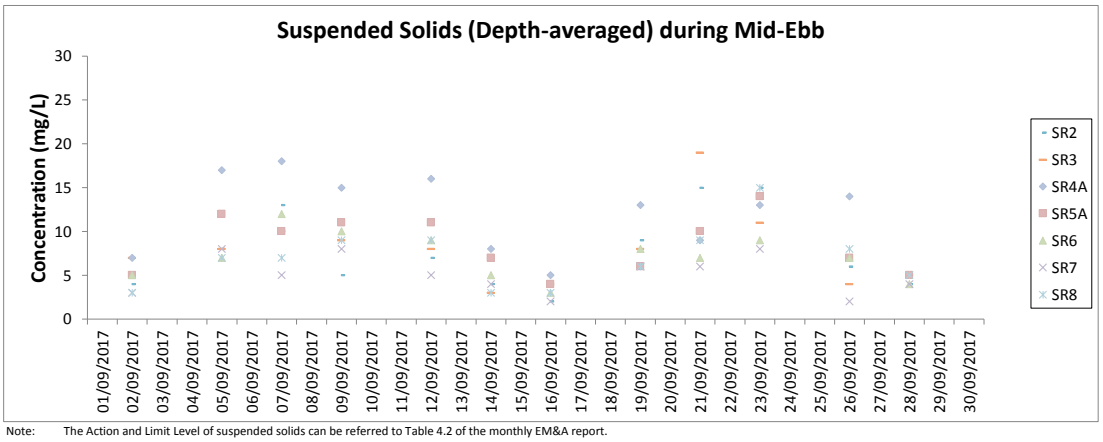


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

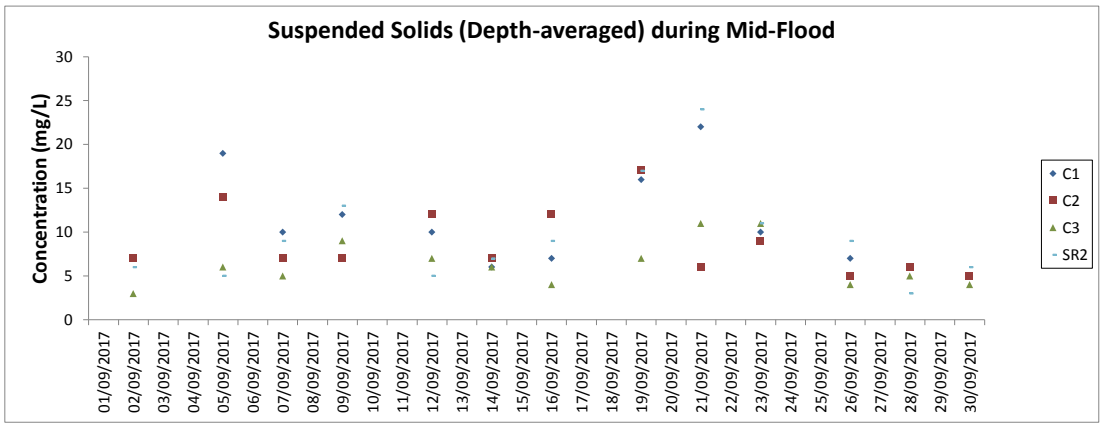


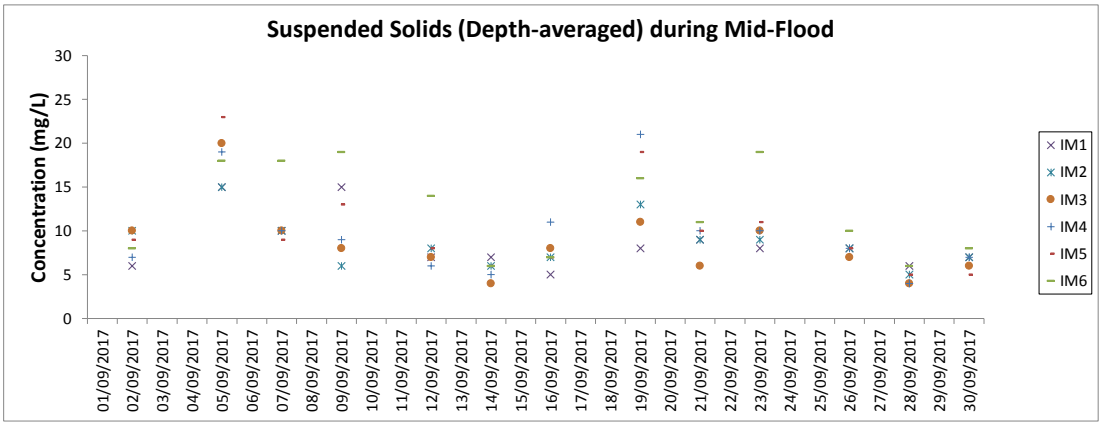


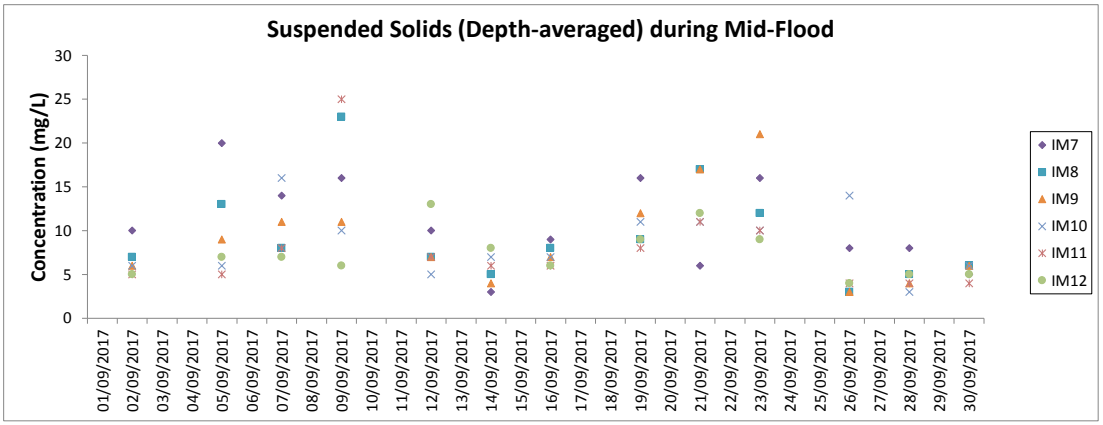


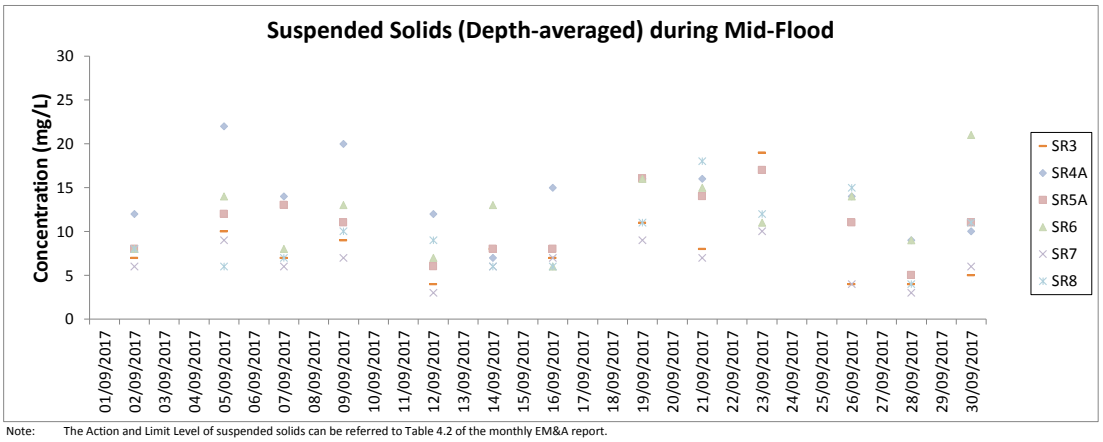


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

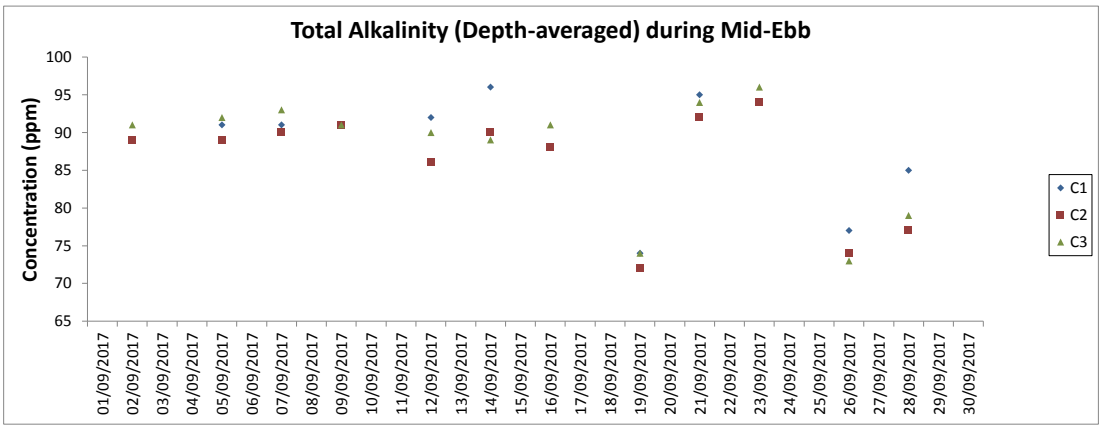


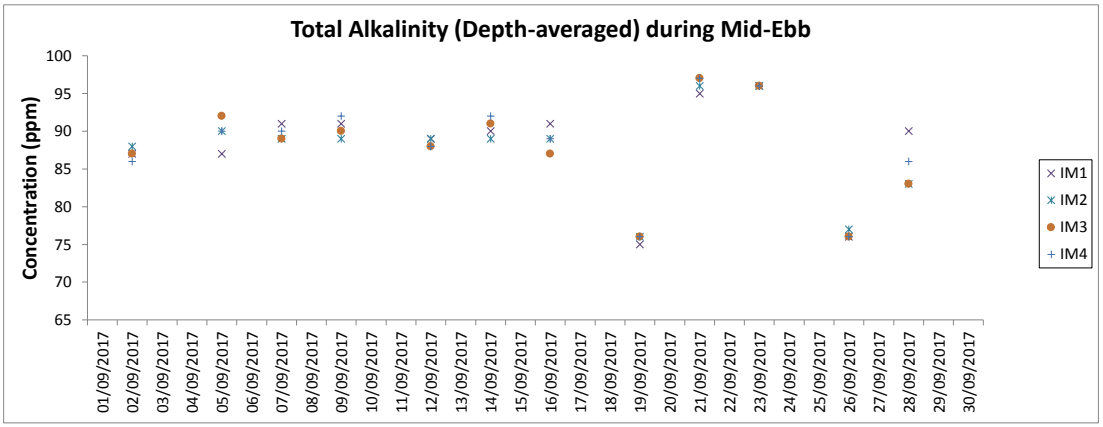


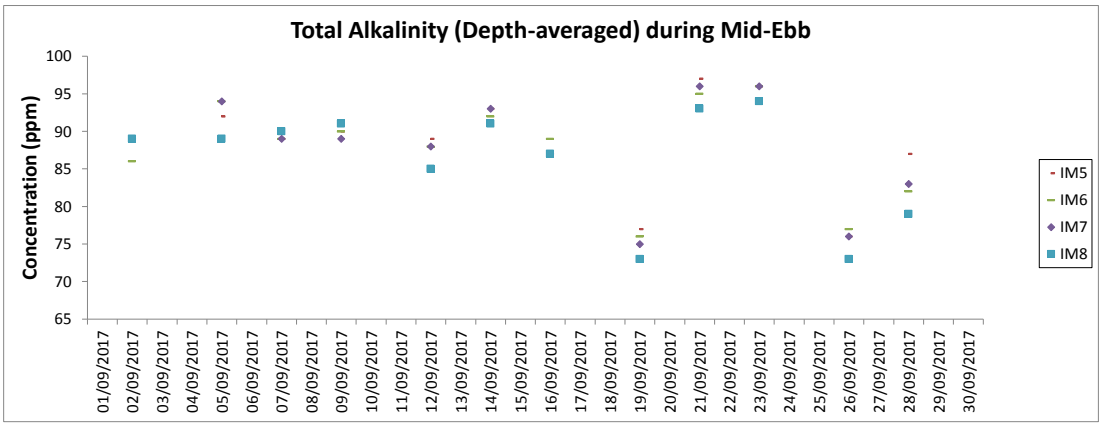


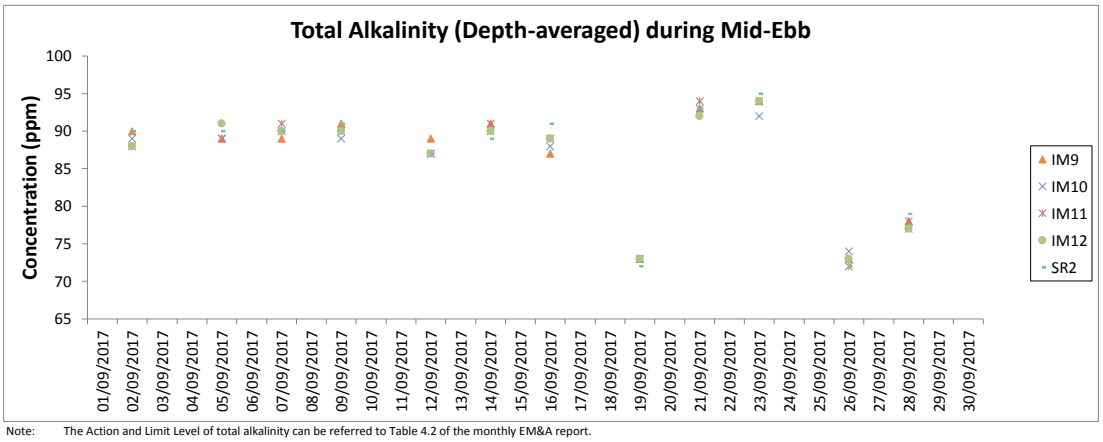


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

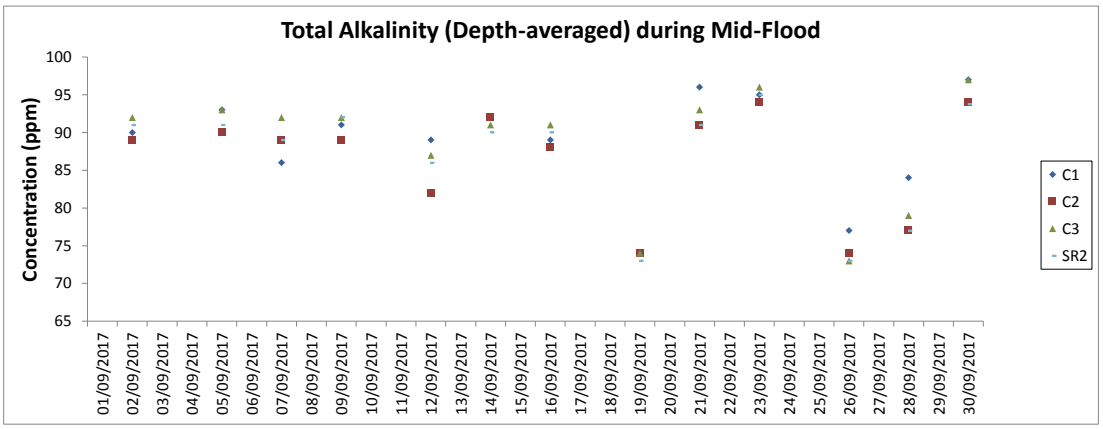


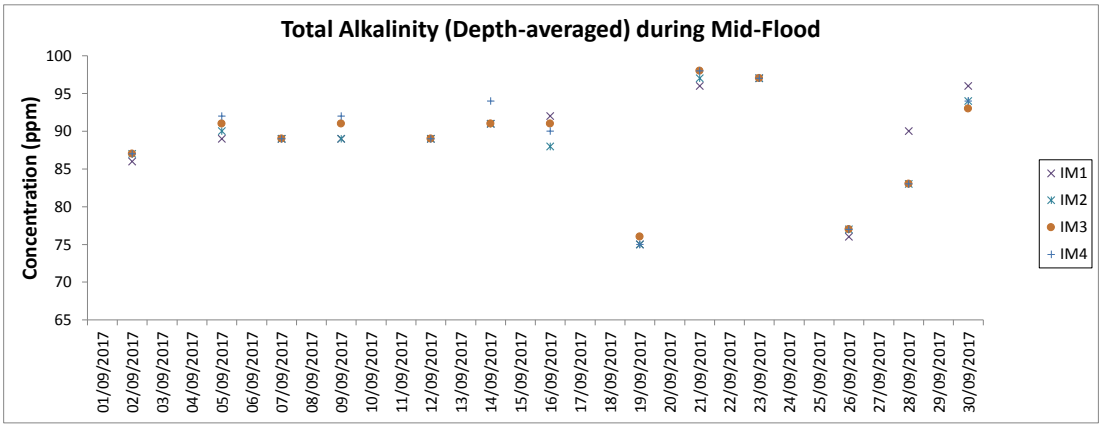


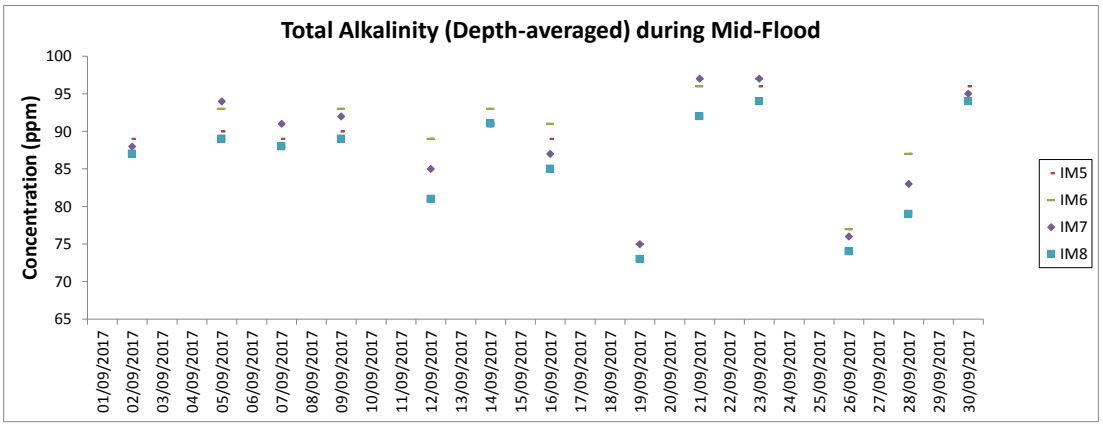


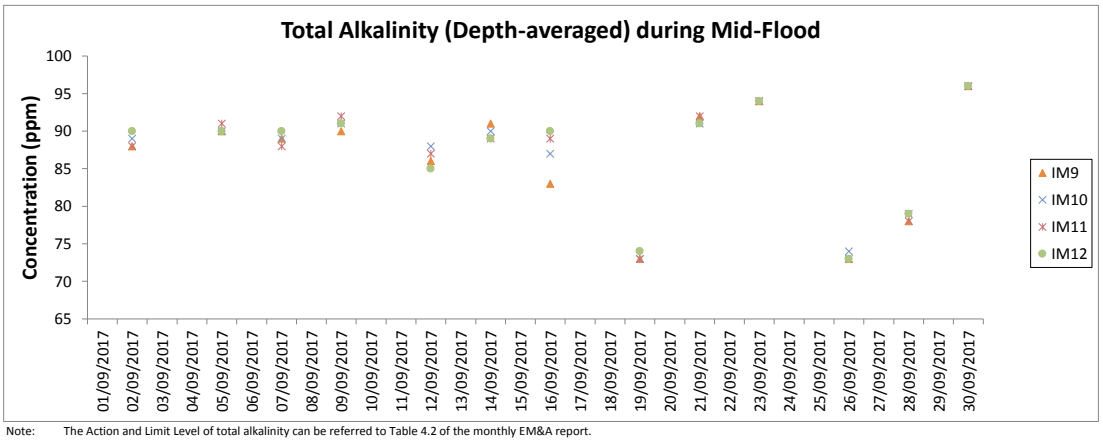


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

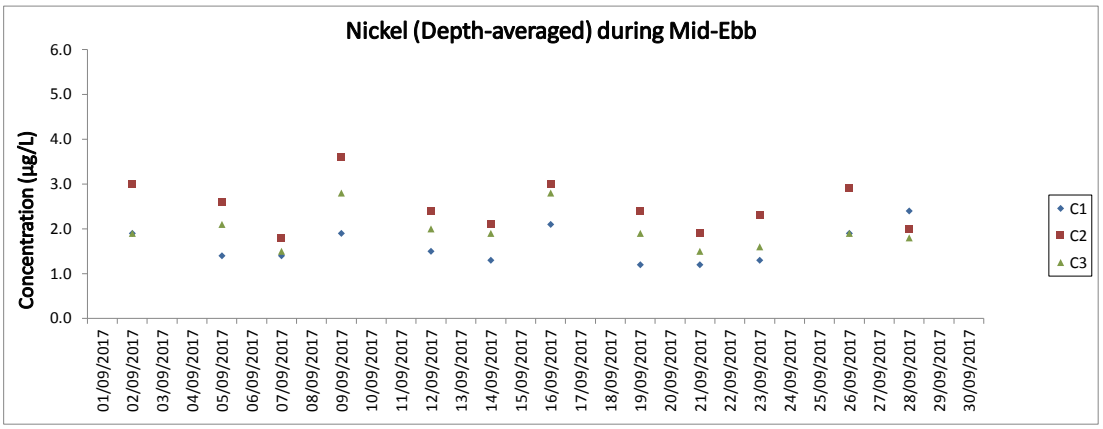


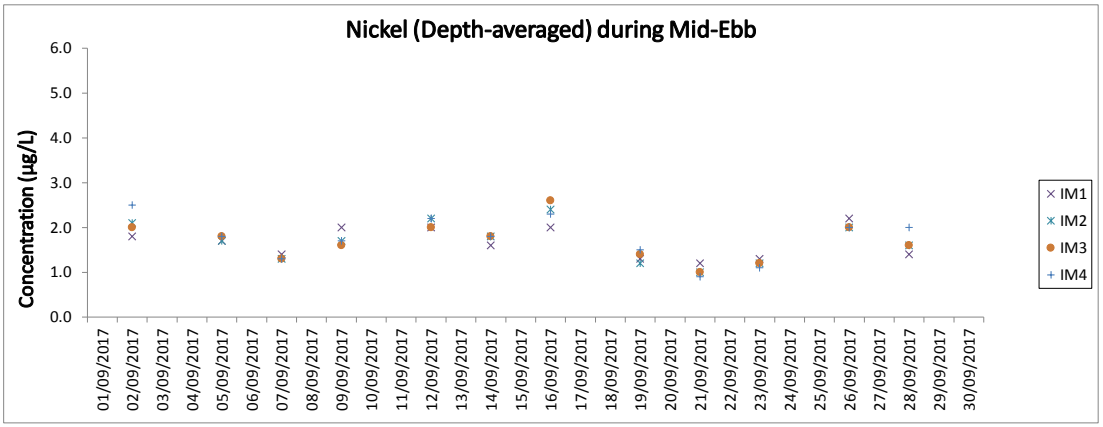


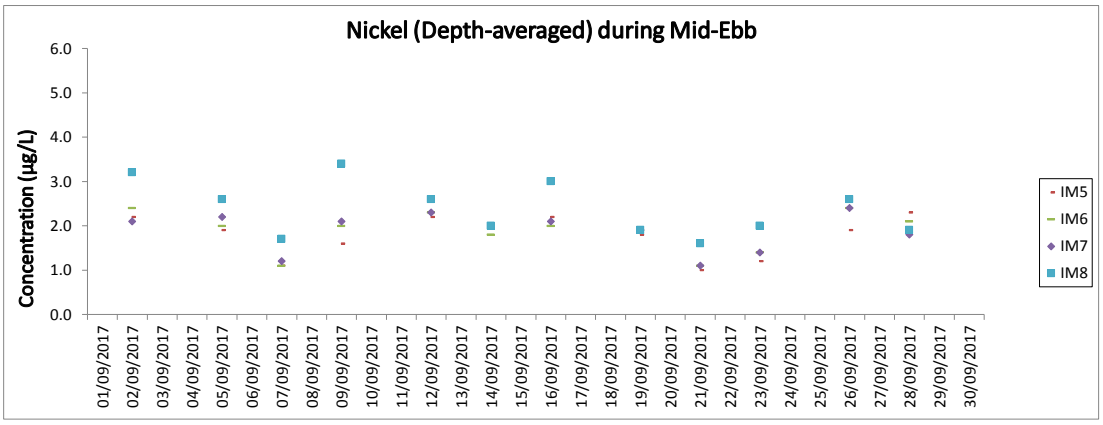


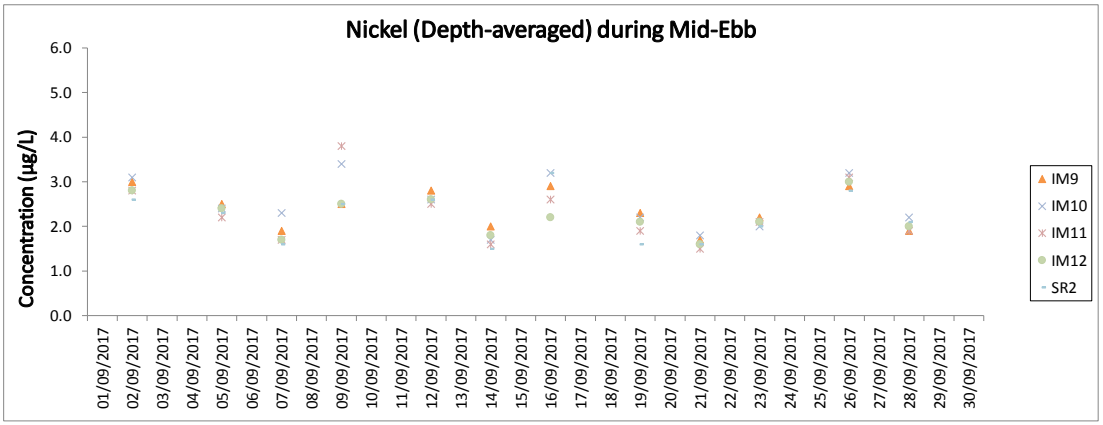


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

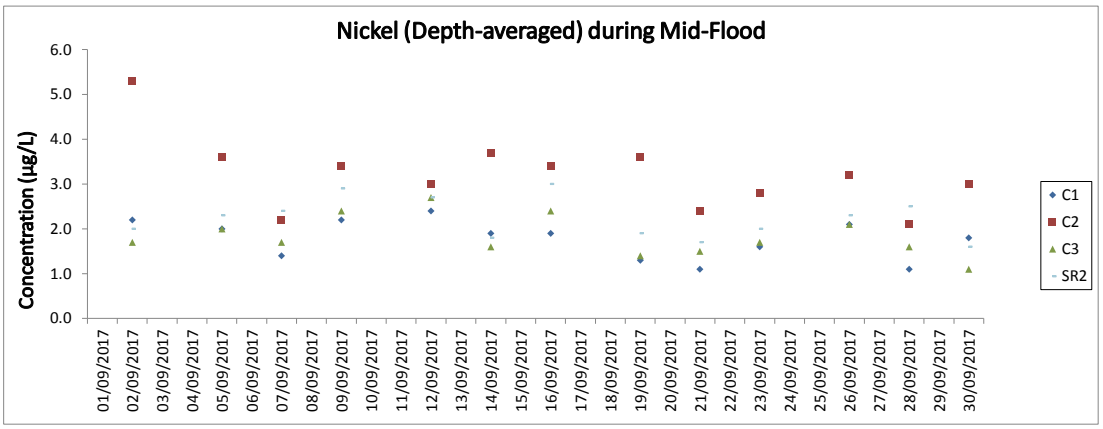


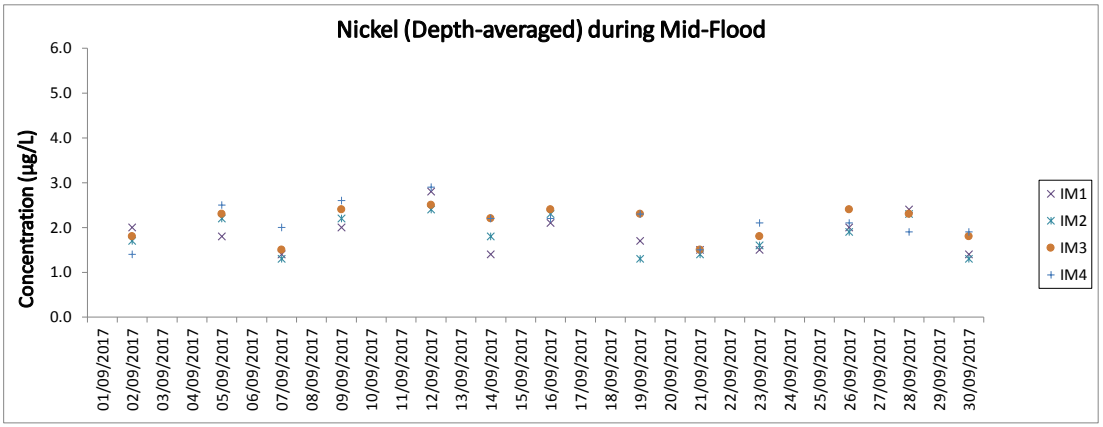


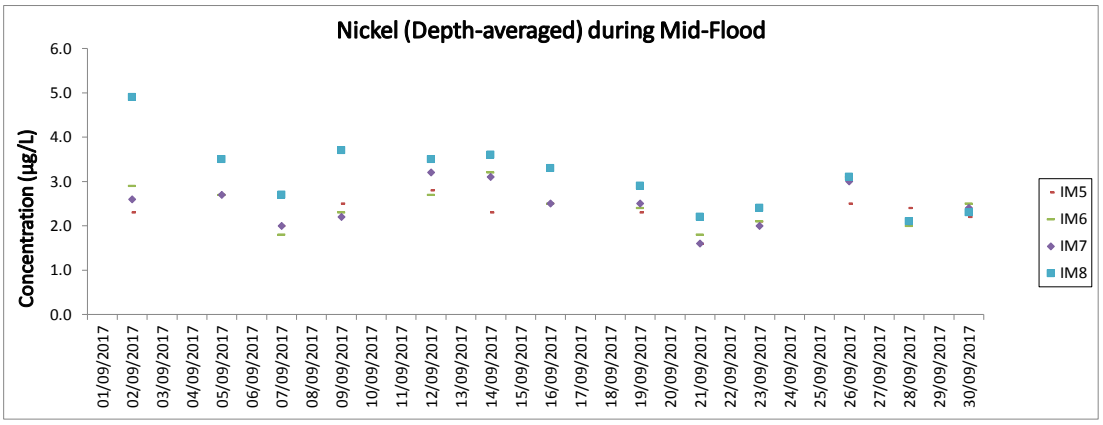


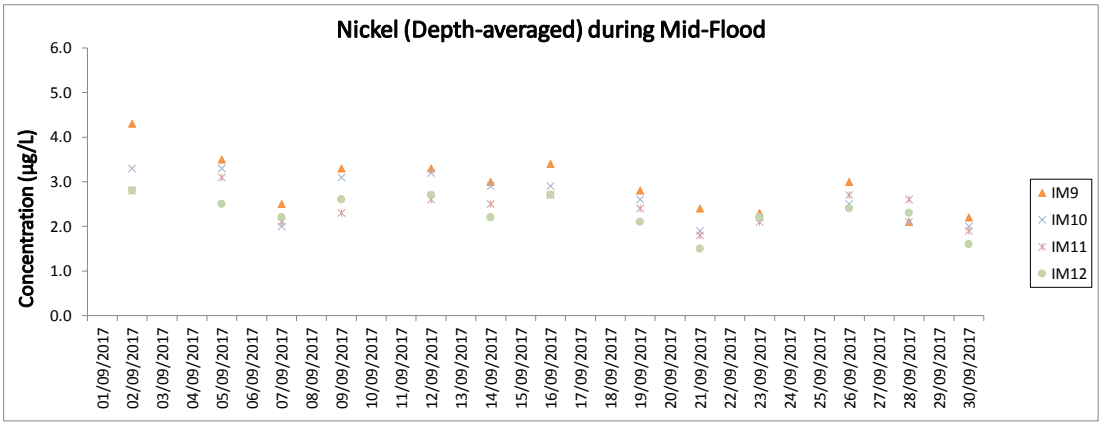


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/L.









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

Chinese White Dolphin Monitoring Results

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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
11-Jul-17	AW	2	4.860	SUMMER	32166	3RS ET
11-Jul-17	WL	2	12.725	SUMMER	32166	3RS ET
11-Jul-17	WL	3	13.429	SUMMER	32166	3RS ET
11-Jul-17	WL	4	2.400	SUMMER	32166	3RS ET
11-Jul-17	SWL	2	1.616	SUMMER	32166	3RS ET
11-Jul-17	SWL	3	3.150	SUMMER	32166	3RS ET
12-Jul-17	NWL	1	16.730	SUMMER	32166	3RS ET
12-Jul-17	NWL	2	27.170	SUMMER	32166	3RS ET
12-Jul-17	NWL	3	30.520	SUMMER	32166	3RS ET
12-Jul-17	NWL	4	0.700	SUMMER	32166	3RS ET
13-Jul-17	NEL	2	4.253	SUMMER	32166	3RS ET
13-Jul-17	NEL	3	27.477	SUMMER	32166	3RS ET
13-Jul-17	NEL	4	14.770	SUMMER	32166	3RS ET
14-Jul-17	NWL	2	29.960	SUMMER	32166	3RS ET
14-Jul-17	NWL	3	33.840	SUMMER	32166	3RS ET
14-Jul-17	NWL	4	9.330	SUMMER	32166	3RS ET
20-Jul-17	SWL	2	9.500	SUMMER	32166	3RS ET
20-Jul-17	SWL	3	39.350	SUMMER	32166	3RS ET
20-Jul-17	SWL	4	12.780	SUMMER	32166	3RS ET
20-Jul-17	SWL	5	1.030	SUMMER	32166	3RS ET
21-Jul-17	AW	2	3.510	SUMMER	32166	3RS ET
21-Jul-17	AW	3	1.320	SUMMER	32166	3RS ET
21-Jul-17	WL	2	13.854	SUMMER	32166	3RS ET
21-Jul-17	WL	3	10.040	SUMMER	32166	3RS ET
21-Jul-17	WL	4	7.050	SUMMER	32166	3RS ET
21-Jul-17	SWL	3	1.970	SUMMER	32166	3RS ET
21-Jul-17	SWL	4	4.660	SUMMER	32166	3RS ET
25-Jul-17	NEL	2	31.060	SUMMER	32166	3RS ET
25-Jul-17	NEL	3	15.740	SUMMER	32166	3RS ET
26-Jul-17	SWL	2	41.124	SUMMER	32166	3RS ET
26-Jul-17	SWL	3	11.530	SUMMER	32166	3RS ET
26-Jul-17	SWL	4	9.430	SUMMER	32166	3RS ET
04-Aug-17	NWL	1	11.000	SUMMER	32166	3RS ET
04-Aug-17	NWL	2	20.300	SUMMER	32166	3RS ET
04-Aug-17	NWL	3	42.293	SUMMER	32166	3RS ET
04-Aug-17	NWL	4	0.300	SUMMER	32166	3RS ET
08-Aug-17	NWL	3	16.760	SUMMER	32166	3RS ET
08-Aug-17	NWL	4	57.140	SUMMER	32166	3RS ET
08-Aug-17	NWL	5	0.800	SUMMER	32166	3RS ET
09-Aug-17	NEL	2	29.120	SUMMER	32166	3RS ET
09-Aug-17	NEL	3	11.010	SUMMER	32166	3RS ET
09-Aug-17	NEL	4	4.470	SUMMER	32166	3RS ET
09-Aug-17	NEL	5	2.600	SUMMER	32166	3RS ET
14-Aug-17	AW	3	1.820	SUMMER	32166	3RS ET
14-Aug-17	AW	4	2.840	SUMMER	32166	3RS ET
14-Aug-17	WL	3	12.390	SUMMER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
14-Aug-17	WL	4	20.110	SUMMER	32166	3RS ET
14-Aug-17	SWL	3	12.400	SUMMER	32166	3RS ET
15-Aug-17	SWL	2	24.510	SUMMER	32166	3RS ET
15-Aug-17	SWL	3	29.836	SUMMER	32166	3RS ET
15-Aug-17	SWL	4	0.740	SUMMER	32166	3RS ET
21-Aug-17	SWL	1	2.600	SUMMER	32166	3RS ET
21-Aug-17	SWL	2	48.228	SUMMER	32166	3RS ET
21-Aug-17	SWL	3	7.160	SUMMER	32166	3RS ET
21-Aug-17	SWL	4	1.530	SUMMER	32166	3RS ET
22-Aug-17	AW	0	1.880	SUMMER	32166	3RS ET
22-Aug-17	AW	1	2.410	SUMMER	32166	3RS ET
22-Aug-17	WL	1	9.997	SUMMER	32166	3RS ET
22-Aug-17	WL	2	9.174	SUMMER	32166	3RS ET
22-Aug-17	WL	3	12.400	SUMMER	32166	3RS ET
22-Aug-17	WL	4	0.900	SUMMER	32166	3RS ET
22-Aug-17	SWL	1	1.940	SUMMER	32166	3RS ET
22-Aug-17	SWL	2	0.252	SUMMER	32166	3RS ET
22-Aug-17	SWL	3	3.154	SUMMER	32166	3RS ET
25-Aug-17	NEL	1	1.900	SUMMER	32166	3RS ET
25-Aug-17	NEL	2	34.960	SUMMER	32166	3RS ET
25-Aug-17	NEL	3	9.940	SUMMER	32166	3RS ET
11-Sep-17	SWL	1	9.330	AUTUMN	32166	3RS ET
11-Sep-17	SWL	2	51.970	AUTUMN	32166	3RS ET
12-Sep-17	SWL	3	5.564	AUTUMN	32166	3RS ET
12-Sep-17	SWL	4	1.334	AUTUMN	32166	3RS ET
12-Sep-17	WL	2	23.366	AUTUMN	32166	3RS ET
12-Sep-17	WL	3	8.530	AUTUMN	32166	3RS ET
12-Sep-17	WL	4	0.590	AUTUMN	32166	3RS ET
12-Sep-17	AW	2	4.850	AUTUMN	32166	3RS ET
13-Sep-17	NEL	1	5.293	AUTUMN	32166	3RS ET
13-Sep-17	NEL	2	41.007	AUTUMN	32166	3RS ET
13-Sep-17	NEL	3	1.200	AUTUMN	32166	3RS ET
14-Sep-17	NEL	2	21.130	AUTUMN	32166	3RS ET
14-Sep-17	NEL	3	24.570	AUTUMN	32166	3RS ET
14-Sep-17	NEL	4	1.500	AUTUMN	32166	3RS ET
18-Sep-17	NWL	1	1.020	AUTUMN	32166	3RS ET
18-Sep-17	NWL	2	26.330	AUTUMN	32166	3RS ET
18-Sep-17	NWL	3	19.210	AUTUMN	32166	3RS ET
18-Sep-17	NWL	4	22.550	AUTUMN	32166	3RS ET
19-Sep-17	AW	2	2.890	AUTUMN	32166	3RS ET
19-Sep-17	AW	3	1.840	AUTUMN	32166	3RS ET
19-Sep-17	WL	1	3.460	AUTUMN	32166	3RS ET
19-Sep-17	WL	2	4.998	AUTUMN	32166	3RS ET
19-Sep-17	WL	3	7.760	AUTUMN	32166	3RS ET
19-Sep-17	WL	4	13.081	AUTUMN	32166	3RS ET
19-Sep-17	SWL	2	3.010	AUTUMN	32166	3RS ET
19-Sep-17	SWL	3	3.250	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
19-Sep-17	SWL	4	5.750	AUTUMN	32166	3RS ET
20-Sep-17	SWL	2	13.420	AUTUMN	32166	3RS ET
20-Sep-17	SWL	3	38.810	AUTUMN	32166	3RS ET
20-Sep-17	SWL	4	4.360	AUTUMN	32166	3RS ET
21-Sep-17	NWL	1	4.500	AUTUMN	32166	3RS ET
21-Sep-17	NWL	2	67.480	AUTUMN	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. July and August 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.
11-Jul-17	1	1038	CWD	2	WL	2	82	ON	3RS ET	22.2668	113.8592	SUMMER	NONE
11-Jul-17	2	1055	CWD	8	WL	2	19	ON	3RS ET	22.2608	113.8536	SUMMER	NONE
11-Jul-17	3	1133	CWD	2	WL	3	351	ON	3RS ET	22.2498	113.8403	SUMMER	NONE
11-Jul-17	4	1144	CWD	1	WL	2	8	ON	3RS ET	22.2500	113.8500	SUMMER	NONE
11-Jul-17	5	1159	CWD	4	WL	2	726	ON	3RS ET	22.2432	113.8488	SUMMER	NONE
11-Jul-17	6	1216	CWD	1	WL	2	17	ON	3RS ET	22.2414	113.8463	SUMMER	NONE
11-Jul-17	7	1242	CWD	2	WL	3	11	ON	3RS ET	22.2279	113.8378	SUMMER	NONE
11-Jul-17	8	1259	CWD	2	WL	3	196	ON	3RS ET	22.2185	113.8137	SUMMER	NONE
11-Jul-17	9	1318	CWD	2	WL	3	16	ON	3RS ET	22.2143	113.8333	SUMMER	NONE
11-Jul-17	10	1350	CWD	7	WL	4	324	ON	3RS ET	22.1969	113.8397	SUMMER	NONE
11-Jul-17	11	1414	CWD	3	WL	4	157	ON	3RS ET	22.1864	113.8401	SUMMER	NONE
11-Jul-17	12	1435	CWD	4	SWL	2	118	ON	3RS ET	22.1903	113.8499	SUMMER	NONE
11-Jul-17	13	1506	CWD	4	SWL	2	299	ON	3RS ET	22.1883	113.8593	SUMMER	NONE
12-Jul-17	1	0950	CWD	2	NWL	1	70	ON	3RS ET	22.3715	113.8673	SUMMER	NONE
12-Jul-17	2	1316	CWD	1	NWL	3	102	ON	3RS ET	22.3998	113.8983	SUMMER	NONE
14-Jul-17	1	0953	CWD	1	NWL	3	351	ON	3RS ET	22.3615	113.8666	SUMMER	NONE
14-Jul-17	2	1048	CWD	2	NWL	2	890	ON	3RS ET	22.2773	113.8689	SUMMER	NONE
14-Jul-17	3	1210	CWD	1	NWL	2	169	ON	3RS ET	22.3909	113.8780	SUMMER	NONE
20-Jul-17	1	1412	CWD	2	SWL	3	319	ON	3RS ET	22.1776	113.8785	SUMMER	NONE
20-Jul-17	2	1457	CWD	1	SWL	3	2226	ON	3RS ET	22.1900	113.8678	SUMMER	NONE
20-Jul-17	3	1524	CWD	3	WL	2	N/A	OFF	3RS ET	22.2178	113.8339	SUMMER	NONE
21-Jul-17	1	1032	CWD	5	WL	2	20	ON	3RS ET	22.2649	113.8585	SUMMER	NONE
21-Jul-17	2	1131	CWD	2	WL	3	65	ON	3RS ET	22.2318	113.8372	SUMMER	NONE
21-Jul-17	3	1151	CWD	2	WL	2	17	ON	3RS ET	22.2288	113.8383	SUMMER	NONE
21-Jul-17	4	1208	CWD	2	WL	3	190	ON	3RS ET	22.2182	113.8138	SUMMER	NONE
21-Jul-17	5	1223	CWD	2	WL	4	27	ON	3RS ET	22.2139	113.8322	SUMMER	NONE
21-Jul-17	6	1243	CWD	1	WL	4	62	ON	3RS ET	22.2048	113.8383	SUMMER	NONE
21-Jul-17	7	1310	CWD	6	WL	3	27	ON	3RS ET	22.1956	113.8425	SUMMER	NONE
26-Jul-17	1	1026	CWD	1	WL	2	N/A	OFF	3RS ET	22.2362	113.8409	SUMMER	NONE
26-Jul-17	2	1033	CWD	2	WL	2	N/A	OFF	3RS ET	22.2183	113.8339	SUMMER	NONE
26-Jul-17	3	1045	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1948	113.8509	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
26-Jul-17	4	1056	CWD	3	SWL	2	252	ON	3RS ET	22.1999	113.8684	SUMMER	NONE
26-Jul-17	5	1301	CWD	7	SWL	2	234	ON	3RS ET	22.2036	113.9083	SUMMER	NONE
26-Jul-17	6	1411	FP	2	SWL	3	87	ON	3RS ET	22.1534	113.9183	SUMMER	NONE
26-Jul-17	7	1437	CWD	2	SWL	3	711	ON	3RS ET	22.2040	113.9181	SUMMER	GILLNET
04-Aug-17	1	1202	CWD	2	NWL	3	41	ON	3RS ET	22.4075	113.8878	SUMMER	NONE
04-Aug-17	2	1322	CWD	3	NWL	3	42	ON	3RS ET	22.3735	113.8980	SUMMER	NONE
04-Aug-17	3	1339	CWD	3	NWL	1	3	ON	3RS ET	22.3782	113.8978	SUMMER	NONE
08-Aug-17	1	1305	CWD	2	NWL	4	N/A	OFF	3RS ET	22.3817	113.8981	SUMMER	NONE
14-Aug-17	1	1121	CWD	1	WL	3	98	ON	3RS ET	22.2321	113.8264	SUMMER	NONE
14-Aug-17	2	1242	CWD	2	WL	4	149	ON	3RS ET	22.1874	113.8301	SUMMER	NONE
14-Aug-17	3	1252	CWD	4	WL	4	N/A	OFF	3RS ET	22.1920	113.8425	SUMMER	NONE
14-Aug-17	4	1316	CWD	1	SWL	3	N/A	OFF	3RS ET	22.1906	113.8491	SUMMER	NONE
15-Aug-17	1	1029	CWD	1	SWL	2	303	ON	3RS ET	22.2108	113.9358	SUMMER	NONE
15-Aug-17	2	1131	CWD	1	SWL	3	182	ON	3RS ET	22.1818	113.9276	SUMMER	NONE
15-Aug-17	3	1255	CWD	5	SWL	2	146	ON	3RS ET	22.1784	113.9041	SUMMER	NONE
15-Aug-17	4	1338	CWD	1	SWL	3	1090	ON	3RS ET	22.1901	113.8967	SUMMER	NONE
15-Aug-17	5	1343	CWD	8	SWL	3	477	ON	3RS ET	22.1853	113.8973	SUMMER	NONE
15-Aug-17	6	1407	CWD	1	SWL	2	783	ON	3RS ET	22.1756	113.8969	SUMMER	NONE
15-Aug-17	7	1455	CWD	3	SWL	2	11	ON	3RS ET	22.1794	113.8876	SUMMER	NONE
21-Aug-17	1	1232	CWD	3	SWL	3	156	ON	3RS ET	22.1673	113.9050	SUMMER	GILLNET
21-Aug-17	2	1333	CWD	2	SWL	2	29	ON	3RS ET	22.1789	113.8982	SUMMER	NONE
21-Aug-17	3	1344	CWD	8	SWL	2	713	ON	3RS ET	22.1741	113.8972	SUMMER	NONE
21-Aug-17	4	1431	CWD	8	SWL	2	174	ON	3RS ET	22.1729	113.8875	SUMMER	NONE
21-Aug-17	5	1516	CWD	3	SWL	2	15	ON	3RS ET	22.1796	113.8786	SUMMER	NONE
21-Aug-17	6	1539	CWD	2	SWL	2	126	ON	3RS ET	22.1665	113.8688	SUMMER	NONE
21-Aug-17	7	1549	CWD	2	SWL	2	28	ON	3RS ET	22.1720	113.8690	SUMMER	NONE
22-Aug-17	1	0943	CWD	1	AW	1	87	ON	3RS ET	22.2965	113.8825	SUMMER	NONE
22-Aug-17	2	1031	CWD	1	WL	1	37	ON	3RS ET	22.2776	113.8518	SUMMER	NONE
22-Aug-17	3	1043	CWD	2	WL	1	6	ON	3RS ET	22.2684	113.8457	SUMMER	NONE
22-Aug-17	4	1059	CWD	2	WL	1	140	ON	3RS ET	22.2656	113.8585	SUMMER	NONE
22-Aug-17	5	1112	CWD	1	WL	1	189	ON	3RS ET	22.2609	113.8550	SUMMER	NONE
22-Aug-17	6	1127	CWD	6	WL	1	84	ON	3RS ET	22.2602	113.8396	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
22-Aug-17	7	1202	CWD	4	WL	2	149	ON	3RS ET	22.2419	113.8404	SUMMER	NONE
22-Aug-17	8	1326	CWD	1	WL	3	31	ON	3RS ET	22.1875	113.8419	SUMMER	NONE
22-Aug-17	9	1335	CWD	4	WL	2	376	ON	3RS ET	22.1865	113.8386	SUMMER	NONE
22-Aug-17	10	1408	CWD	3	SWL	3	182	ON	3RS ET	22.1718	113.8533	SUMMER	NONE
22-Aug-17	11	1432	CWD	4	SWL	2	210	ON	3RS ET	22.1748	113.8594	SUMMER	NONE
11-Sep-17	1	1131	CWD	1	SWL	2	83	ON	3RS ET	22.2054	113.9212	AUTUMN	NONE
11-Sep-17	2	1344	CWD	4	SWL	1	780	ON	3RS ET	22.1795	113.8881	AUTUMN	NONE
12-Sep-17	1	1045	CWD	1	SWL	4	93	ON	3RS ET	22.1932	113.8584	AUTUMN	NONE
12-Sep-17	2	1110	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1814	113.8492	AUTUMN	NONE
12-Sep-17	3	1211	CWD	4	WL	2	53	ON	3RS ET	22.2150	113.8309	AUTUMN	NONE
12-Sep-17	4	1347	CWD	3	WL	2	60	ON	3RS ET	22.2608	113.8471	AUTUMN	NONE
12-Sep-17	5	1358	CWD	3	WL	2	107	ON	3RS ET	22.2640	113.8582	AUTUMN	NONE
18-Sep-17	1	1009	CWD	15	NWL	2	248	ON	3RS ET	22.3365	113.8679	AUTUMN	NONE
18-Sep-17	2	1211	CWD	2	NWL	2	151	ON	3RS ET	22.4006	113.8778	AUTUMN	NONE
18-Sep-17	3	1345	CWD	1	NWL	3	65	ON	3RS ET	22.4003	113.8976	AUTUMN	NONE
19-Sep-17	1	1020	CWD	6	WL	1	860	ON	3RS ET	22.2745	113.8488	AUTUMN	NONE
19-Sep-17	2	1106	CWD	4	WL	2	57	ON	3RS ET	22.2652	113.8578	AUTUMN	NONE
19-Sep-17	3	1126	CWD	2	WL	2	428	ON	3RS ET	22.2603	113.8454	AUTUMN	NONE
19-Sep-17	4	1134	CWD	1	WL	3	30	ON	3RS ET	22.2573	113.8371	AUTUMN	NONE
19-Sep-17	5	1145	CWD	1	WL	3	18	ON	3RS ET	22.2497	113.8429	AUTUMN	NONE
19-Sep-17	6	1202	CWD	3	WL	3	73	ON	3RS ET	22.2408	113.8386	AUTUMN	NONE
19-Sep-17	7	1258	CWD	1	WL	4	113	ON	3RS ET	22.2053	113.8363	AUTUMN	NONE
19-Sep-17	8	1420	CWD	1	SWL	2	261	ON	3RS ET	22.2004	113.8659	AUTUMN	NONE
20-Sep-17	1	1215	CWD	7	SWL	2	305	ON	3RS ET	22.1643	113.9011	AUTUMN	NONE
20-Sep-17	2	1332	CWD	5	SWL	3	90	ON	3RS ET	22.1576	113.8969	AUTUMN	NONE
20-Sep-17	3	1434	CWD	3	SWL	2	496	ON	3RS ET	22.2053	113.8777	AUTUMN	NONE
20-Sep-17	4	1534	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1931	113.8450	AUTUMN	NONE
21-Sep-17	1	0952	CWD	1	NWL	2	1308	ON	3RS ET	22.3786	113.8681	AUTUMN	NONE
21-Sep-17	2	1005	CWD	1	NWL	2	N/A	OFF	3RS ET	22.3685	113.8679	AUTUMN	NONE
21-Sep-17	3	1148	CWD	1	NWL	2	284	ON	3RS ET	22.3730	113.8773	AUTUMN	NONE
21-Sep-17	4	1204	CWD	2	NWL	2	124	ON	3RS ET	22.3901	113.8784	AUTUMN	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. July and August 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 September 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 394.788 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 21 on-effort sightings and total number of 70 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in September 2017 are shown as below:

<u>Encounter Rate by Number of Dolphin Sightings (STG) in September 2017</u>

$$STG = \frac{21}{394.788} x\ 100 = 5.32$$

<u>Encounter Rate by Number of Dolphins (ANI) in September 2017</u>

$$ANI = \frac{70}{394.788} x\ 100 = 17.73$$

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

A total of 1136.950 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 76 on-effort sightings and total number of 227 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

<u>Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)</u>

$$STG = \frac{76}{1136.950} x\ 100 = 6.68$$

<u>Running Quarterly Encounter Rate by Number of Dolphins (ANI)</u>

$$ANI = \frac{227}{1136.950} x\ 100 = 19.97$$

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

SLMM015_20170911_2_5

SLMM017_20170911_2_1

WLMM079_20170912_3_4

WLMM100_20170912_3_2

NLMM019_20170912_4_1

NLMM020_20170912_4_4

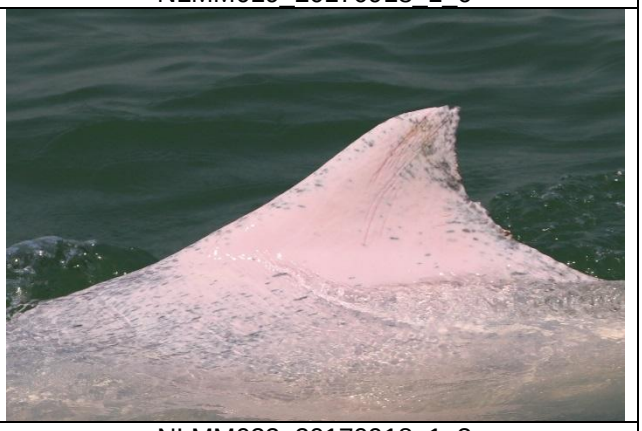
NLMM019_20170912_5_1

NLMM020_20170912_5_3

NLMM023_20170912_5_3

NLMM019_20170918_1_6

NLMM020_20170918_1_2



NLMM022_20170918_1_3

NLMM023_20170918_1_4

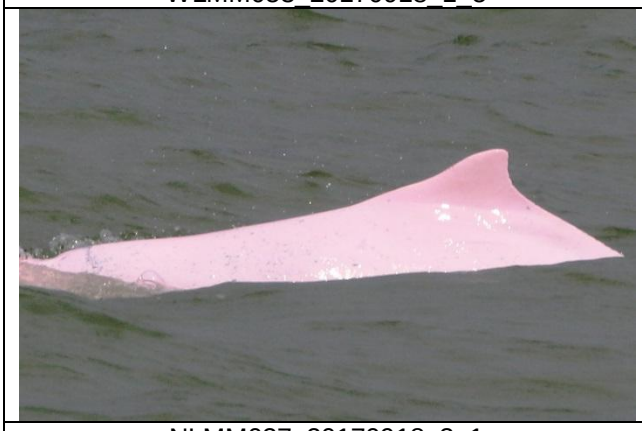
NLMM042_20170918_1_2

NLMM052_20170918_1_5

NLMM053_20170918_1_3

WLMM053_20170918_1_5

NLMM005_20170918_2_6



NLMM037_20170918_3_1

NLMM051_20170919_1_1

WLMM046_20170919_1_2

WLMM096_20170919_1_3

WLMM101_20170919_1_6

WLMM102_20170919_1_4

WLMM019_20170919_2_2	WLMM103_20170919_2_6
WLMM028_20170919_6_1	WLMM029_20170919_6_1
WLMM032_20170919_6_4	SLMM054_20170919_8_4
NLMM052_20170920_1_2	SLMM012_20170920_1_7

SLMM017_20170920_1_9

SLMM037_20170920_1_3

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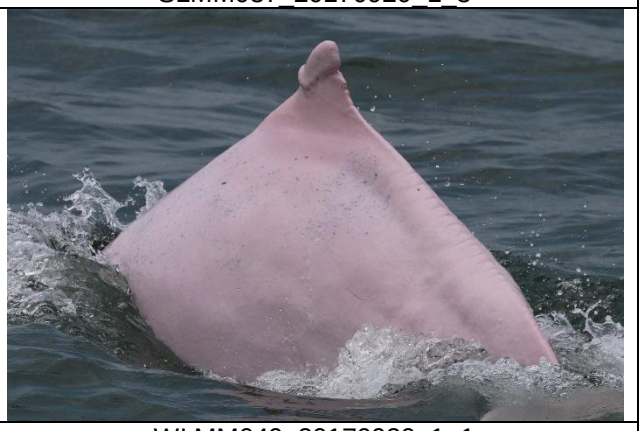
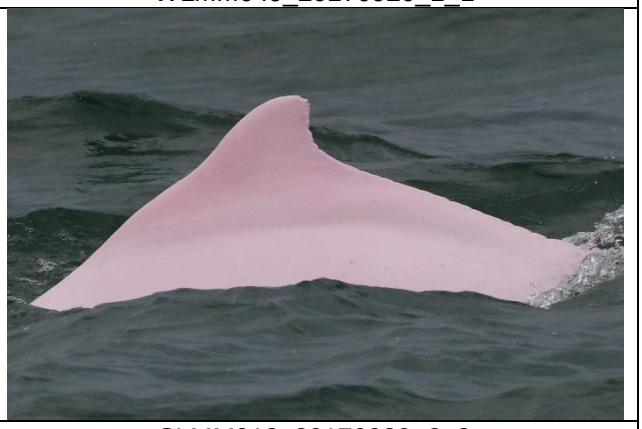


WLMM049_20170920_1_1

WLMM056_20170920_1_2



SLMM012_20170920_2_8

SLMM017_20170920_2_2

SLMM050_20170920_2_1

SLMM036_20170920_3_4	WLMM011_20170920_3_6
WLMM027_20170920_3_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
6/Sep/17	Lung Kwu Chau	8:46	14:26	5:40	2	2-3	13	1-5
18/Sep/17	Lung Kwu Chau	8:42	15:02	6:20	2-3	3	4	1-3
22/Sep/17	Sha Chau	9:11	15:11	6:00	2-3	2	0	N/A
27/Sep/17	Lung Kwu Chau	8:51	14:51	6:00	2-3	3	6	1-4
28/Sep/17	Sha Chau	8:40	14:40	6:00	2	2	0	0

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

Ecological Monitoring

Ecological Monitoring – site photos and location map regarding the monthly ecological monitoring for the egretry area on Sheung Sha Chau and the HDD works

Photo record of View 1

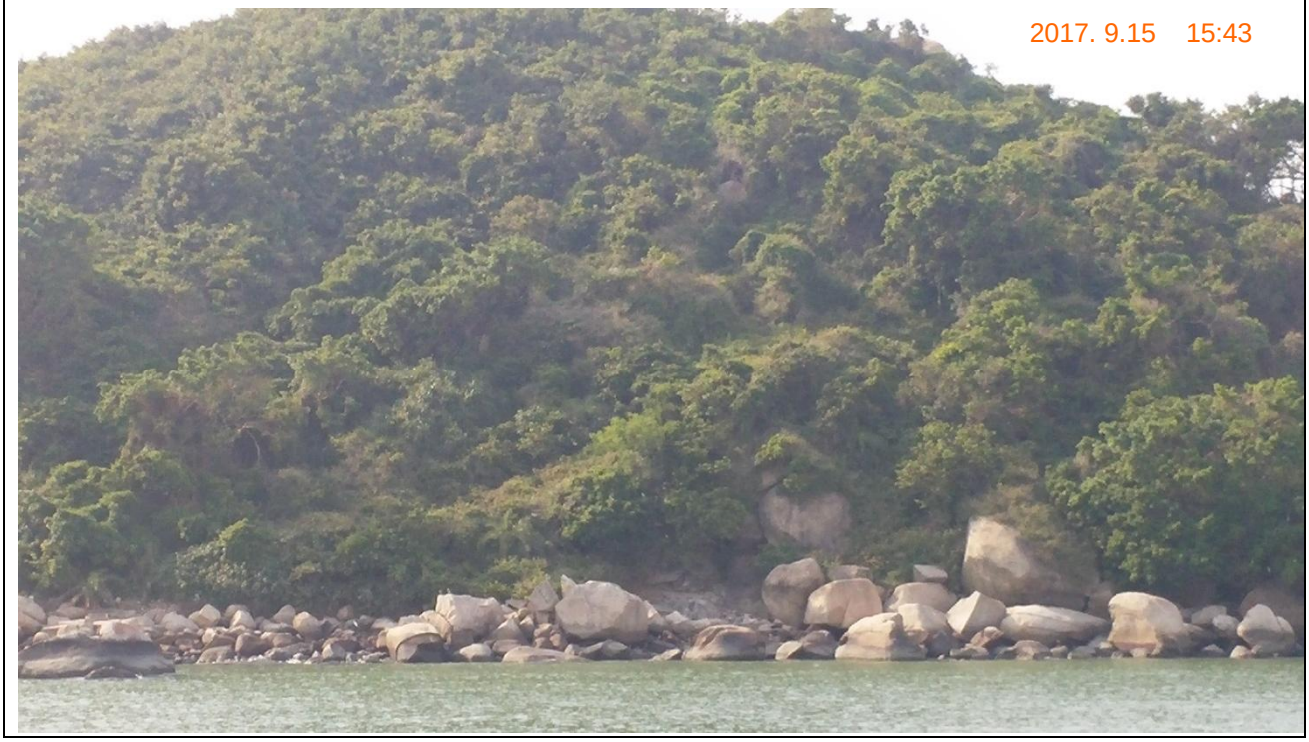



Photo record of View 2