Appendix E. Monitoring Results

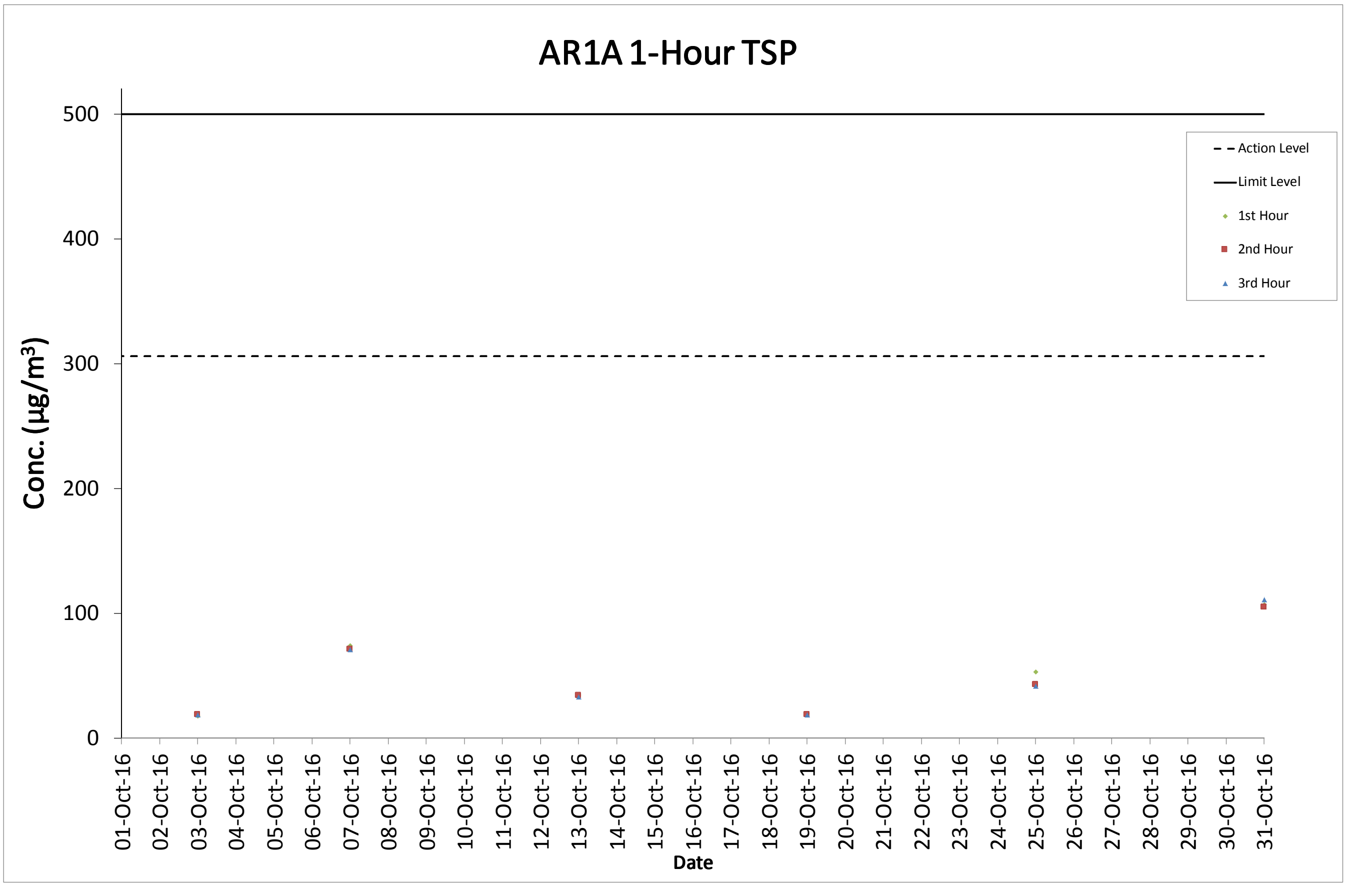
Air Quality Monitoring Results

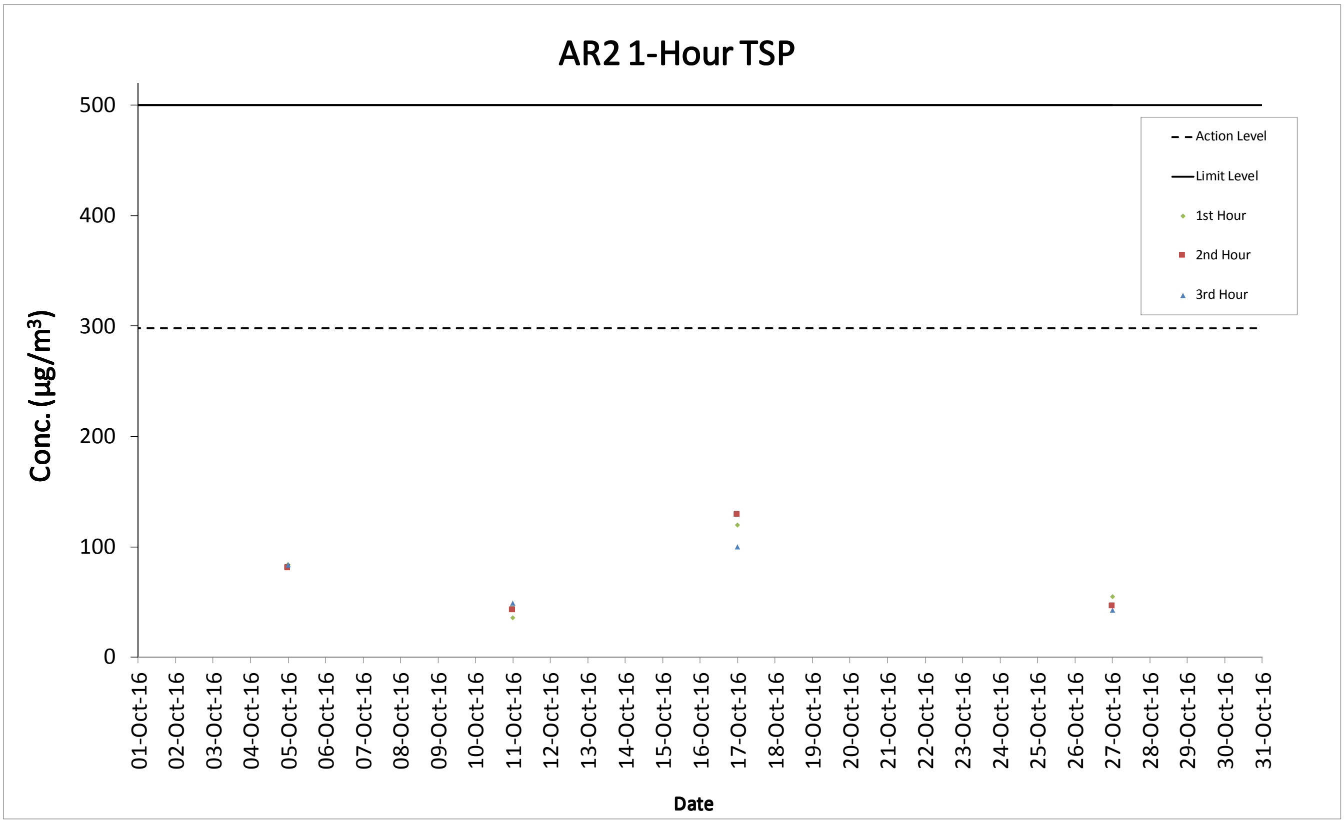
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (µg/m^3)	Action Level (µg/m^3)	Limit Level (µg/m^3)
03-Oct-16	13:37	Cloudy	4.7	85	18	306	500
03-Oct-16	14:37	Cloudy	4.2	78	19	306	500
03-Oct-16	15:37	Cloudy	5.5	85	19	306	500
07-Oct-16	08:55	Sunny	2.3	334	74	306	500
07-Oct-16	09:55	Sunny	2.8	316	71	306	500
07-Oct-16	10:55	Sunny	2.9	320	71	306	500
13-Oct-16	8:55	Cloudy	4.7	38	35	306	500
13-Oct-16	9:55	Cloudy	5.1	34	34	306	500
13-Oct-16	10:55	Cloudy	3.8	40	33	306	500
19-Oct-16	08:45	Cloudy	7.5	85	20	306	500
19-Oct-16	09:45	Cloudy	7.9	81	19	306	500
19-Oct-16	10:45	Cloudy	8.3	108	19	306	500
25-Oct-16	08:58	Fine	1.8	195	53	306	500
25-Oct-16	09:58	Fine	3.6	192	43	306	500
25-Oct-16	10:58	Fine	3.3	193	42	306	500
31-Oct-16	08:55	Fine	4.5	41	107	306	500
31-Oct-16	09:55	Fine	1.4	21	105	306	500
31-Oct-16	10:55	Fine	2.7	38	111	306	500

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (µg/m^3)	Action Level (µg/m^3)	Limit Level (µg/m^3)
05-Oct-16	8:55	Fine	2.3	43	84	298	500
05-Oct-16	9:55	Fine	2.0	29	81	298	500
05-Oct-16	10:55	Fine	2.1	46	84	298	500
11-Oct-16	09:00	Cloudy	5.2	54	36	298	500
11-Oct-16	10:00	Cloudy	2.4	15	43	298	500
11-Oct-16	11:00	Cloudy	2.7	18	49	298	500
17-Oct-16	08:55	Cloudy	5.7	35	120	298	500
17-Oct-16	09:55	Cloudy	4.9	41	129	298	500
17-Oct-16	10:55	Cloudy	4.8	52	100	298	500
27-Oct-16	08:55	Fine	3.5	57	55	298	500
27-Oct-16	09:55	Fine	4.4	50	46	298	500
27-Oct-16	10:55	Fine	4.4	47	43	298	500


AR1A 1-Hour TSP
Conc. (µg/m³)
Date
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour


AR2 1-Hour TSP
Conc. (µg/m³)
Date
Action Level
Limit Level
1st Hour
2nd Hour
3rd Hour

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Oct-16	Cloudy	13:41	71.5	55.0	72
03-Oct-16	Cloudy	13:46	73.0	56.0	
03-Oct-16	Cloudy	13:51	74.0	56.0	
03-Oct-16	Cloudy	13:56	70.0	53.5	
03-Oct-16	Cloudy	14:01	72.5	54.0	
03-Oct-16	Cloudy	14:06	71.5	52.0	
13-Oct-16	Cloudy	9:20	72.5	60.5	70
13-Oct-16	Cloudy	09:25	70.0	60.0	
13-Oct-16	Cloudy	09:30	70.0	59.5	
13-Oct-16	Cloudy	09:35	71.5	60.0	
13-Oct-16	Cloudy	09:40	68.5	58.5	
13-Oct-16	Cloudy	09:45	67.5	58.0	
19-Oct-16	Cloudy	10:43	71.5	54.5	71
19-Oct-16	Cloudy	10:48	71.5	54.5	
19-Oct-16	Cloudy	10:53	70.5	55.0	
19-Oct-16	Cloudy	10:58	68.5	54.0	
19-Oct-16	Cloudy	11:03	69.0	54.0	
19-Oct-16	Cloudy	11:08	69.0	54.0	
25-Oct-16	Fine	10:35	71.5	61.5	72
25-Oct-16	Fine	10:40	72.0	62.0	
25-Oct-16	Fine	10:45	71.5	60.5	
25-Oct-16	Fine	10:50	71.5	61.5	
25-Oct-16	Fine	10:55	70.5	60.5	
25-Oct-16	Fine	11:00	73.0	62.5	
31-Oct-16	Fine	09:42	71.5	53.0	71
31-Oct-16	Fine	09:47	71.0	54.5	
31-Oct-16	Fine	09:52	71.0	54.5	
31-Oct-16	Fine	09:57	70.0	54.0	
31-Oct-16	Fine	10:02	70.0	54.5	
31-Oct-16	Fine	10:07	70.5	54.0	

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

Noise Measurement Results
Station: NM3A- Site Office

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Oct-16	Cloudy	13:18	66.5	60.5	61
03-Oct-16	Cloudy	13:23	69.0	60.5	
03-Oct-16	Cloudy	13:28	67.0	60.5	
03-Oct-16	Cloudy	13:33	67.5	60.5	
03-Oct-16	Cloudy	13:38	68.0	60.5	
03-Oct-16	Cloudy	13:43	68.0	60.5	
13-Oct-16	Sunny	13:14	69.5	61.0	63
13-Oct-16	Sunny	13:19	68.0	61.0	
13-Oct-16	Sunny	13:24	68.0	61.0	
13-Oct-16	Sunny	13:29	68.5	61.0	
13-Oct-16	Sunny	13:34	69.5	61.0	
13-Oct-16	Sunny	13:39	69.5	61.5	
19-Oct-16	Cloudy	13:13	68.0	59.5	61
19-Oct-16	Cloudy	13:18	69.0	59.5	
19-Oct-16	Cloudy	13:23	68.0	59.5	
19-Oct-16	Cloudy	13:28	68.0	60.0	
19-Oct-16	Cloudy	13:33	67.5	60.0	
19-Oct-16	Cloudy	13:38	69.5	61.0	
25-Oct-16	Sunny	09:19	66.0	60.5	63
25-Oct-16	Sunny	09:24	70.0	61.0	
25-Oct-16	Sunny	09:29	69.0	60.5	
25-Oct-16	Sunny	09:34	69.0	61.0	
25-Oct-16	Sunny	09:39	70.5	60.5	
25-Oct-16	Sunny	09:44	69.0	60.5	
31-Oct-16	Cloudy	08:44	69.0	55.0	57
31-Oct-16	Cloudy	08:49	66.0	55.5	
31-Oct-16	Cloudy	08:54	68.0	58.5	
31-Oct-16	Cloudy	08:59	67.0	59.5	
31-Oct-16	Cloudy	09:04	69.0	59.0	
31-Oct-16	Cloudy	09:09	67.5	59.5	

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Oct-16	Cloudy	11:26	64.0	59.0	66
03-Oct-16	Cloudy	11:31	65.0	59.5	
03-Oct-16	Cloudy	11:36	66.5	60.5	
03-Oct-16	Cloudy	11:41	62.5	59.5	
03-Oct-16	Cloudy	11:46	64.5	60.5	
03-Oct-16	Cloudy	11:51	64.5	60.0	
13-Oct-16	Sunny	15:48	67.2	64.5	60
13-Oct-16	Sunny	15:53	67.0	61.5	
13-Oct-16	Sunny	15:58	63.5	60.0	
13-Oct-16	Sunny	16:03	63.5	60.0	
13-Oct-16	Sunny	16:08	65.0	60.5	
13-Oct-16	Sunny	16:13	65.0	60.0	
19-Oct-16	Cloudy	13:04	66.5	62.5	64
19-Oct-16	Cloudy	13:09	67.5	62.5	
19-Oct-16	Cloudy	13:14	69.0	63.5	
19-Oct-16	Cloudy	13:19	68.5	63.0	
19-Oct-16	Cloudy	13:24	65.0	60.0	
19-Oct-16	Cloudy	13:29	66.0	60.5	
25-Oct-16	Fine	13:02	66.0	60.0	64
25-Oct-16	Fine	13:07	62.0	59.0	
25-Oct-16	Fine	13:12	63.5	59.0	
25-Oct-16	Fine	13:17	62.5	58.5	
25-Oct-16	Fine	13:22	62.0	58.0	
25-Oct-16	Fine	13:27	62.0	58.5	
31-Oct-16	Fine	13:35	65.0	59.0	65
31-Oct-16	Fine	13:40	64.5	59.0	
31-Oct-16	Fine	13:45	63.0	59.5	
31-Oct-16	Fine	13:50	62.5	59.5	
31-Oct-16	Fine	13:55	62.0	58.5	
31-Oct-16	Fine	14:00	61.5	58.0	

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

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

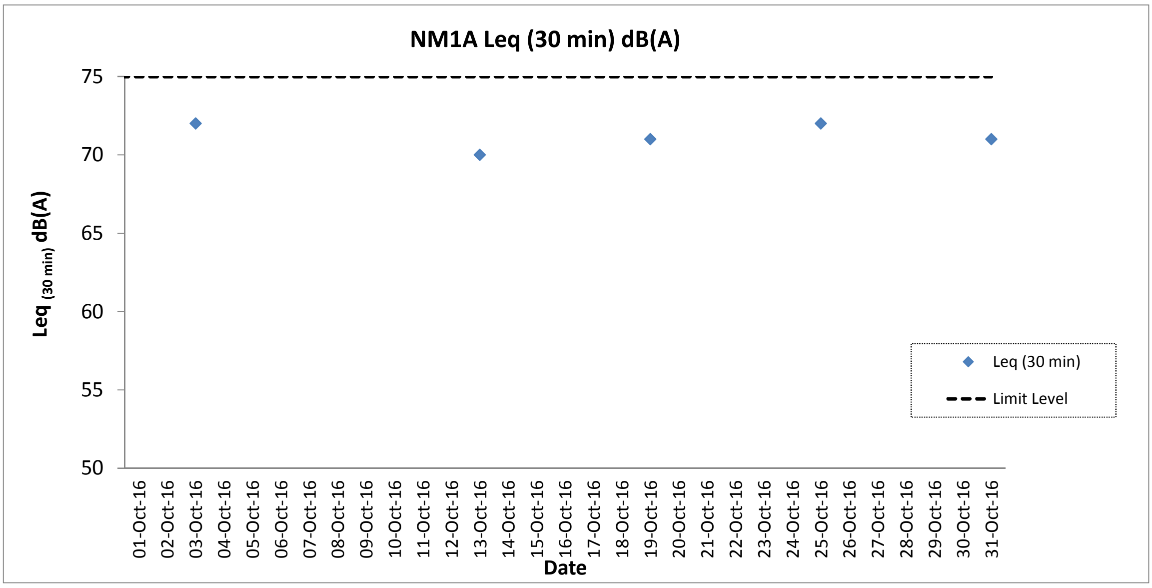
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
05-Oct-16	Fine	09:20	58.0	48.5	58
05-Oct-16	Fine	09:25	56.0	47.0	
05-Oct-16	Fine	09:30	58.5	47.5	
05-Oct-16	Fine	09:35	59.5	48.0	
05-Oct-16	Fine	09:40	60.0	48.0	
05-Oct-16	Fine	09:45	56.0	48.5	
11-Oct-16	Cloudy	09:35	61.0	53.0	59
11-Oct-16	Cloudy	09:40	61.0	53.0	
11-Oct-16	Cloudy	09:45	62.0	54.5	
11-Oct-16	Cloudy	09:50	63.5	52.5	
11-Oct-16	Cloudy	09:55	62.5	52.0	
11-Oct-16	Cloudy	10:00	61.0	52.5	
17-Oct-16	Cloudy	09:00	59.0	51.0	58
17-Oct-16	Cloudy	09:05	61.0	51.5	
17-Oct-16	Cloudy	09:10	58.0	51.0	
17-Oct-16	Cloudy	09:15	57.5	50.5	
17-Oct-16	Cloudy	09:20	58.0	51.0	
17-Oct-16	Cloudy	09:25	58.5	51.0	
27-Oct-16	Fine	09:35	59.0	50.0	59
27-Oct-16	Fine	09:40	55.5	50.0	
27-Oct-16	Fine	09:45	64.0	49.0	
27-Oct-16	Fine	09:50	58.0	48.0	
27-Oct-16	Fine	09:55	55.5	48.0	
27-Oct-16	Fine	10:00	55.0	48.0	

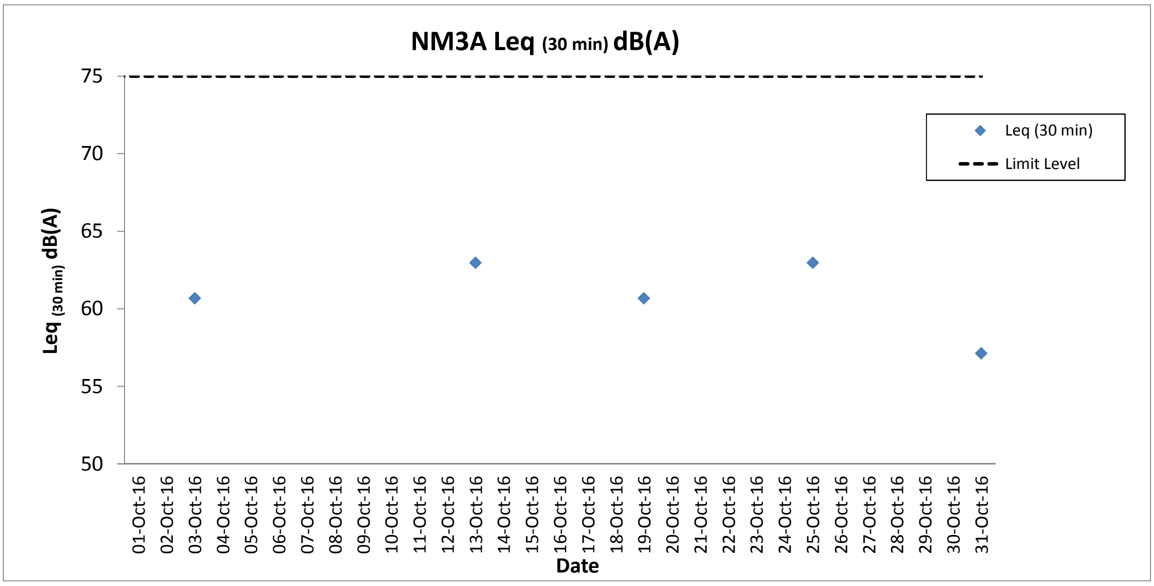
Remarks:
+3dB (A) correction was applied to free-field measurement.

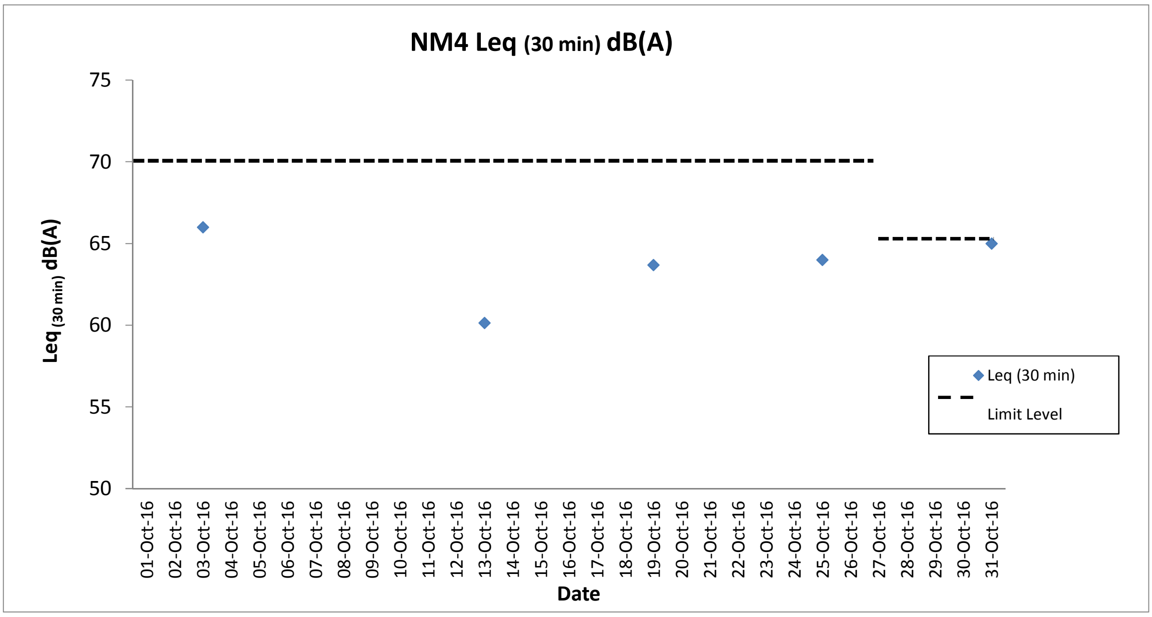
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Oct-16	Sunny	09:41	75.0	62.5	73
06-Oct-16	Sunny	09:46	75.5	62.5	
06-Oct-16	Sunny	09:51	75.5	62.0	
06-Oct-16	Sunny	09:56	73.0	60.5	
06-Oct-16	Sunny	10:01	73.5	63.0	
06-Oct-16	Sunny	10:06	73.5	65.0	
13-Oct-16	Sunny	9:40	76.0	61.0	73
13-Oct-16	Sunny	09:45	75.5	59.0	
13-Oct-16	Sunny	09:50	76.0	60.5	
13-Oct-16	Sunny	09:55	73.5	57.5	
13-Oct-16	Sunny	10:00	74.5	60.0	
13-Oct-16	Sunny	10:05	75.0	65.0	
20-Oct-16	Cloudy	09:39	77.5	60.0	73
20-Oct-16	Cloudy	09:44	76.0	58.5	
20-Oct-16	Cloudy	09:49	76.0	57.0	
20-Oct-16	Cloudy	09:54	71.0	56.0	
20-Oct-16	Cloudy	09:59	76.5	57.0	
20-Oct-16	Cloudy	10:04	76.5	57.5	
24-Oct-16	Cloudy	09:45	65.5	59.0	67
24-Oct-16	Cloudy	09:50	66.0	58.0	
24-Oct-16	Cloudy	09:55	67.0	58.5	
24-Oct-16	Cloudy	10:00	67.0	57.5	
24-Oct-16	Cloudy	10:05	69.0	56.0	
24-Oct-16	Cloudy	10:10	68.0	55.0	

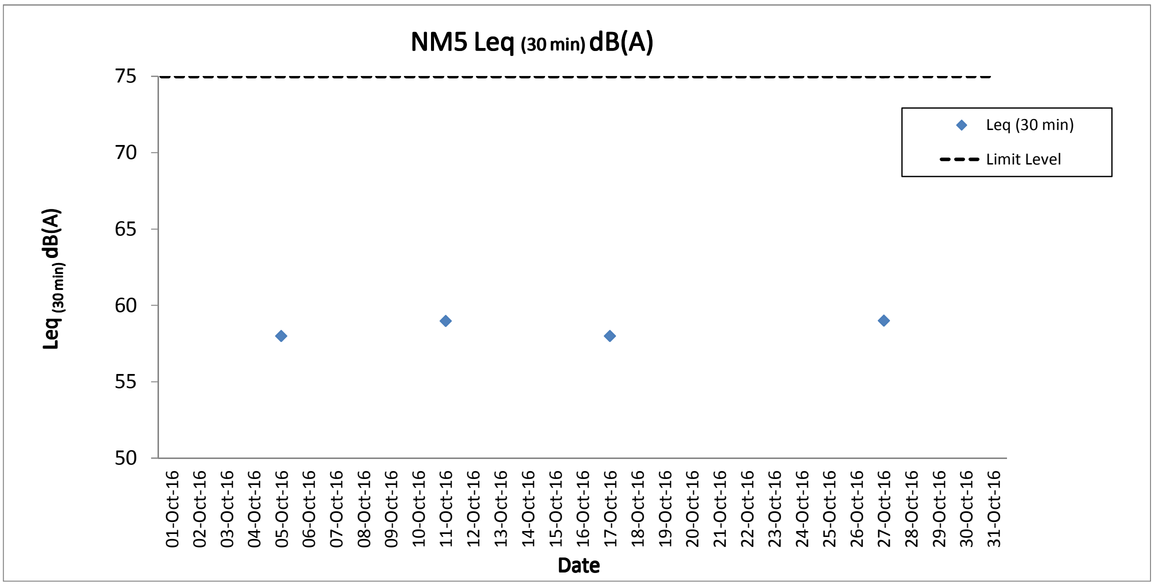
Remarks:
+3dB (A) correction was applied to free-field measurement.







Note: The examination period for NM4 was between 27 October 2016 and 2 November 2016


NM5 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Oct-16
02-Oct-16
03-Oct-16
04-Oct-16
05-Oct-16
06-Oct-16
07-Oct-16
08-Oct-16
09-Oct-16
10-Oct-16
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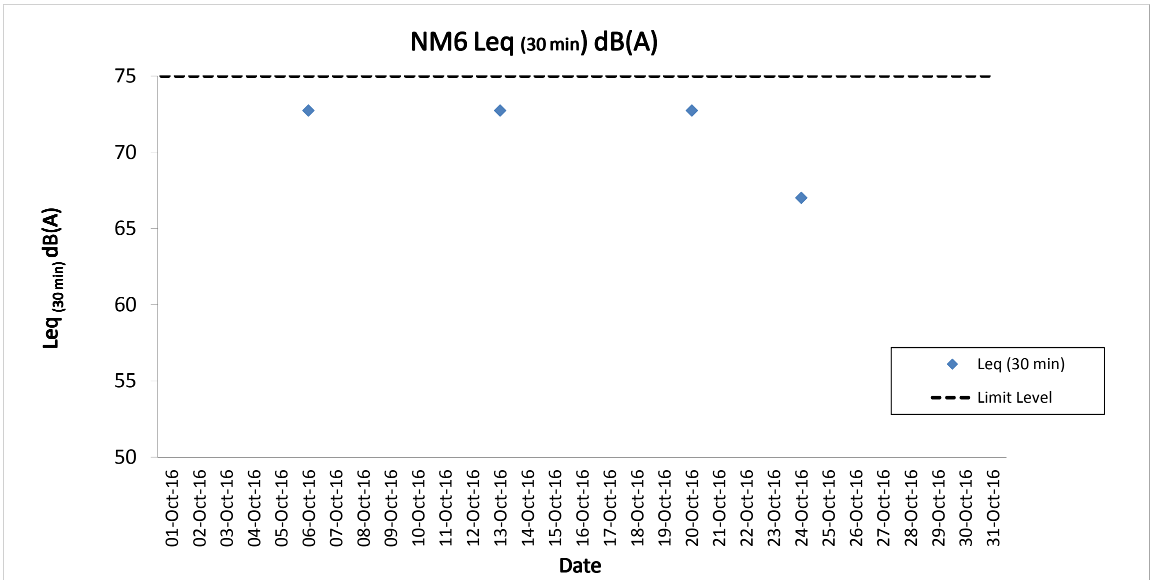
30-Oct-16
31-Oct-16
Date


NM6 Leq (30 min) dB(A)
Leq (30 min) dB(A)
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Oct-16
02-Oct-16
03-Oct-16
04-Oct-16
05-Oct-16
06-Oct-16
07-Oct-16
08-Oct-16
09-Oct-16
10-Oct-16
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23-Oct-16
24-Oct-16
25-Oct-16
26-Oct-16
27-Oct-16
28-Oct-16
29-Oct-16
30-Oct-16
31-Oct-16
Date

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	06:35	9.0	Surface	1.0	0.4	84	27.5	27.7	8.0	8.0	29.6	29.5	93.3	92.7	6.2	6.0	4.1	10.6	5	15	80	88	815610	804264	<0.2	<0.2	0.9	0.8
						1.0	0.4	86	27.9		8.0		29.4		92.1		6.1		4.7		6		80				<0.2		1.0	
					Middle	4.5	0.5	61	28.0	28.1	8.1	8.1	31.3	31.3	89.6	89.5	5.9		9.8		15		85				<0.2		0.7	
						4.5	0.5	64	28.1		8.1		31.2		89.3		5.9		10.3		16		92				<0.2		0.7	
					Bottom	8.0	0.4	71	28.3	28.1	8.1	8.1	32.3	32.5	88.5	88.9	5.8	5.8	17.1		23		96				<0.2		0.7	
						8.0	0.4	75	27.9		8.1		32.6		89.3		5.8		17.3		23		95				<0.2		0.7	
C2	Cloudy	Moderate	07:55	12.4	Surface	1.0	0.4	182	25.8	25.8	7.9	7.9	26.7	26.7	91.4	91.4	6.4	6.4	10.5	18.0	13	16	83	89	825681	806961	<0.2	<0.2	1.9	1.8
						1.0	0.4	191	25.8		7.9		26.7		91.4		6.4		10.6		13		84				<0.2		2.0	
					Middle	6.2	0.2	204	25.6	25.6	7.9	7.9	27.0	27.0	90.8	90.8	6.4		14.8		12		90				<0.2		1.8	
						6.2	0.2	210	25.6		7.9		27.0		90.8		6.4		14.7		13		91				<0.2		1.9	
					Bottom	11.4	0.4	256	25.5	25.5	7.9	7.9	28.1	28.1	90.9	90.9	6.4	6.4	28.5		24		92				<0.2		1.6	
						11.4	0.4	256	25.5		7.9		28.1		90.9		6.4		28.6		22		92				<0.2		1.6	
C3	Rainy	Moderate	06:01	11.6	Surface	1.0	0.5	248	25.8	25.8	7.9	7.9	30.0	30.0	85.9	85.9	5.9	5.9	5.5	9.8	8	13	88	90	822118	817792	<0.2	<0.2	1.0	0.8
						1.0	0.5	263	25.8		7.9		30.0		85.9		5.9		5.9		7		87				<0.2		0.9	
					Middle	5.8	0.4	261	25.8	25.8	7.9	7.9	30.2	30.2	85.9	85.9	5.9		9.4		12		91				<0.2		0.7	
						5.8	0.5	263	25.8		7.9		30.2		85.9		5.9		9.5		14		90				<0.2		0.7	
					Bottom	10.6	0.5	239	25.8	25.8	7.8	7.8	30.4	30.4	87.6	87.7	6.0	6.0	14.4		19		92				<0.2		0.7	
						10.6	0.5	255	25.8		7.8		30.4		87.7		6.0		14.1		19		92				<0.2		0.6	
IM1	Fine	Calm	06:59	8.0	Surface	1.0	0.4	174	27.8	27.8	8.0	8.0	29.3	29.3	93.5	93.3	6.2	6.1	6.4	12.6	12	16	74	81	818342	806475	<0.2	<0.2	1.1	1.0
						1.0	0.4	184	27.8		8.0		29.3		93.1		6.2		6.8		12		84				<0.2		1.1	
					Middle	4.0	0.5	222	27.8	27.8	8.0	8.0	29.7	29.8	90.9	90.8	6.0		11.0		13		80				<0.2		1.1	
						4.0	0.6	230	27.8		8.0		29.8		90.7		6.0		12.4		11		80				<0.2		0.9	
					Bottom	7.0	0.4	136	27.8	27.9	8.0	8.0	30.2	30.2	90.0	90.0	6.0	6.0	19.7		24		83				<0.2		0.8	
						7.0	0.5	148	27.9		8.0		30.1		90.0		6.0		19.5		25		83				<0.2		0.8	
IM2	Fine	Calm	07:07	8.2	Surface	1.0	0.3	222	27.8	27.8	8.0	8.0	29.7	29.7	92.9	92.7	6.2	6.0	4.7	10.8	5	11	73	77	818841	806186	<0.2	<0.2	1.0	1.0
						1.0	0.3	228	27.8		8.0		29.7		92.4		6.1		5.4		4		73				<0.2		1.0	
					Middle	4.1	0.5	160	27.9	27.9	8.0	8.0	30.3	30.3	89.7	89.7	5.9		11.6		9		75				<0.2		0.9	
						4.1	0.5	170	27.9		8.0		30.3		89.6		5.9		12.0		9		77				<0.2		0.9	
					Bottom	7.2	0.4	117	27.9	27.9	8.0	8.0	30.4	30.4	89.2	89.3	5.9	5.9	15.0		18		80				<0.2		1.0	
						7.2	0.4	127	27.9		8.0		30.4		89.4		5.9		16.1		18		81				<0.2		1.0	
IM3	Fine	Calm	07:17	8.7	Surface	1.0	0.3	262	27.8	27.9	8.0	8.0	29.9	29.9	92.5	91.9	6.1	6.0	7.2	16.0	7	17	73	78	819399	806038	<0.2	<0.2	0.9	0.9
						1.0	0.4	274	28.0		8.0		29.9		91.3		6.0		7.7		7		73				<0.2		1.0	
					Middle	4.4	0.3	209	28.0	28.0	8.0	8.0	30.4	30.4	89.1	89.1	5.9		16.5		16		87				<0.2		0.8	
						4.4	0.3	224	28.0		8.0		30.4		89.1		5.9		15.8		17		76				<0.2		0.8	
					Bottom	7.7	0.4	154	27.6	27.8	8.0	8.0	30.7	30.6	89.3	89.1	5.9	5.9	25.0		29		80				<0.2		0.9	
						7.7	0.4	155	28.0		8.0		30.4		88.8		5.9		23.5		28		81				<0.2		0.8	
IM4	Fine	Rough	07:29	8.5	Surface	1.0	0.5	276	27.9	27.9	8.0	8.0	29.9	29.9	90.6	90.3	6.0	5.9	9.0	12.6	11	14	73	77	819587	805048	<0.2	<0.2	1.1	0.9
						1.0	0.5	281	27.9		8.0		29.9		90.0		6.0		9.5		11		73				<0.2		1.0	
					Middle	4.3	0.4	252	28.1	28.1	8.1	8.1	31.6	31.7	88.0	88.0	5.8		11.7		15		76				<0.2		0.8	
						4.3	0.4	262	28.0		8.1		31.7		88.0		5.8		12.4		16		77				<0.2		0.7	
					Bottom	7.5	0.4	226	28.1	28.1	8.1	8.1	31.8	31.8	87.6	87.6	5.7	5.7	16.7		16		81				<0.2		1.0	
						7.5	0.4	232	28.1		8.1		31.8		87.6		5.7		16.0		16		82				<0.2		0.9	
IM5	Fine	Rough	07:40	7.4	Surface	1.0	0.4	265	28.0	28.1	8.0	8.0	29.9	29.9	91.5	91.3	6.1	6.0	8.2	10.4	10	12	73	76	820570	804904	<0.2	<0.2	0.9	0.8
						1.0	0.5	278	28.1		8.0		29.8		91.0		6.0		8.0		10		73				<0.2		0.9	
					Middle	3.7	0.5	279	28.0	28.0	8.0	8.0	30.6	30.6	89.0	89.0	5.9		9.4		11		75				<0.2		0.8	
						3.7	0.5	283	28.0		8.0		30.6		89.0		5.9		9.7		11		76				<0.2		0.8	
					Bottom	6.4	0.4	244	27.8	28.0	8.1	8.1	31.5	31.4	88.3	88.2	5.8	5.8	13.8		14		79				<0.2		0.8	
						6.4	0.5	264	28.1		8.1		31.3		88.0		5.8		13.2		13		80				<0.2		0.8	
IM6	Fine	Rough	07:49	7.3	Surface	1.0	0.4	251	27.9	27.9	8.0	8.0	30.2	30.2	91.3	91.3	6.0	6.0	12.4	13.7	8	15	73	77	821060	805811	<0.2	<0.2	0.9	0.9
						1.0	0.4	257	27.9		8.0		30.1		91.2		6.0		11.4		10		74				<0.2		1.1	
					Middle	3.7	0.4	265	28.0	28.0	8.0	8.0	30.4	30.4	90.8	90.7	6.0		10.9		18		76				<0.2		0.8	
						3.7	0.4	289	28.0		8.0		30.4		90.6		6.0		11.3		18		77				<0.2		0.8	
					Bottom	6.3	0.3	261	28.0	28.0	8.0	8.0	30.8	30.8	89.3	89.5	5.9	5.9	16.9		17		80				<0.2		0.9	
						6.3	0.4	286	28.0		8.0		30.8		89.7		5.9		19.2		17		83				<0.2		0.8	
IM7	Fine	Rough	07:58	8.4	Surface	1.0	0.4	241	27.9	27.9	8.0	8.0	30.1	30.2	91.7	91.6	6.1	6.1	9.6	15.3	15	20	73	78	821355	806834	<0.2	<0.2	0.9	0.9
						1.0	0.4	253	27.9		8.0		30.2		91.5		6.1		10.1		15		75				<0.2		0.8	
					Middle	4.2	0.4	235	27.9	27.9	8.0	8.0	30.1	30.1	90.5	90.4	6.0		14.0		17		78				<0.2		0.9	
						4.2	0.4	239	27.9		8.0		30.1		90.2		6.0		16.1		19		79				<0.2		0.9	
					Bottom	7.4	0.3	218	27.9	27.9	8.0	8.0	30.1	30.1	90.0	90.1	6.0	6.0	21.7		26		83				<0.2		0.9	
						7.4	0.3	232	27.9		8.0		30.1		90.1		6.0		20.5		26		81				<0.2		0.9	
IM8	Cloudy	Moderate	07:17	8.5	Surface	1.0	0.4	191	25.3	25.3	8.0	8.0	29.7	29.7	95.3	95.4	6.6	6.6	9.6	11.0	10	11	83	88	821694	807855	<0.2	<0.2	1.2	1.1
						1.0	0.4	193	25.3		8.0		29.7		95.4		6.6		9.7		8		82				<0.2		1.0	
					Middle	4.3	0.4	228	25.3	25.3	8.0	8.0	29.7	29.7	95.1	95.1	6.6		11.5		11		89				<0.2		1.2	
						4.3	0.4	233	25.3		8.0		29.7		95.1		6.6		11.6		10		90				<0.2		1.0	
					Bottom	7.5	0.3	246	25.3	25.3	8.0	8.0	29.8	29.8	96.0	96.0	6.7	6.7	11.7		14		92				<0.2		1.1	
						7.5	0.4	269	25.3		8.0		29.8		96.0		6.7		11.7		13		92				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	07:08	7.6	Surface	1.0	0.3	238	25.4	25.4	8.0	8.0	29.0	29.0	92.7	92.7	6.5	6.5	14.6	<u>23.1</u>	14	20	82	89	822104	808810	<0.2	<0.2	1.2	1.1
						1.0	0.3	252	25.4		8.0		29.0		92.7		6.5		14.7		13		85				<0.2		1.1	
					Middle	3.8	0.4	281	25.4	25.4	8.0	8.0	29.0	29.0	91.9	92.0	6.4		22.5		14		90				<0.2		1.1	
						3.8	0.4	298	25.4		8.0		29.0		92.0		6.4		22.7		13		89				<0.2		1.0	
					Bottom	6.6	0.4	262	25.4	25.4	8.0	8.0	29.0	29.0	91.7	91.7	6.4	6.4	32.0		30		92				<0.2		1.0	
						6.6	0.4	262	25.4		8.0		29.0		91.7		6.4		32.1		33		93				<0.2		1.1	
IM10	Cloudy	Moderate	07:00	7.2	Surface	1.0	0.6	285	25.6	25.6	7.9	7.9	27.7	27.7	92.1	92.1	6.4	6.4	5.9	8.3	7	8	84	89	822240	809841	<0.2	<0.2	1.5	1.4
						1.0	0.6	300	25.6		7.9		27.7		92.1		6.4		5.9		8		85				<0.2		1.3	
					Middle	3.6	0.6	284	25.5	25.5	7.9	7.9	28.0	28.0	91.0	91.0	6.4		8.5		8		90				<0.2		1.5	
						3.6	0.6	287	25.5		7.9		28.0		91.0		6.4		8.6		8		89				<0.2		1.5	
					Bottom	6.2	0.5	299	25.6	25.6	7.9	7.9	28.2	28.2	91.4	91.4	6.4	6.4	10.4		8		92				<0.2		1.4	
						6.2	0.5	320	25.6		7.9		28.2		91.4		6.4		10.4		7		91				<0.2		1.4	
IM11	Cloudy	Moderate	06:52	7.4	Surface	1.0	0.6	280	25.7	25.7	7.9	7.9	28.2	28.2	92.5	91.6	6.3	6.3	8.6	9.3	9	9	86	89	821505	810562	<0.2	<0.2	1.2	1.3
						1.0	0.6	286	25.7		7.9		28.2		90.7		6.3		8.3		9		85				<0.2		1.1	
					Middle	3.7	0.5	277	25.7	25.7	7.9	7.9	28.2	28.2	90.8	90.8	6.3		9.3		10		90				<0.2		1.4	
						3.7	0.5	277	25.7		7.9		28.2		90.8		6.3		9.3		9		90				<0.2		1.3	
					Bottom	6.4	0.4	276	25.6	25.6	7.9	7.9	28.2	28.2	91.3	91.3	6.4	6.4	10.1		9		91				<0.2		1.3	
						6.4	0.5	288	25.6		7.9		28.2		91.3		6.4		10.1		10		92				<0.2		1.3	
IM12	Cloudy	Moderate	06:45	9.6	Surface	1.0	0.7	266	25.7	25.7	7.9	7.9	28.0	28.0	89.8	89.8	6.3	6.3	9.4	13.3	8	10	84	89	821158	811509	<0.2	<0.2	1.2	1.2
						1.0	0.7	281	25.7		7.9		28.0		89.7		6.3		9.6		8		84				<0.2		1.2	
					Middle	4.8	0.6	276	25.6	25.6	7.9	7.9	28.1	28.1	89.4	89.4	6.2		14.1		11		89				<0.2		1.2	
						4.8	0.6	281	25.6		7.9		28.1		89.4		6.2		14.1		11		90				<0.2		1.2	
					Bottom	8.6	0.4	260	25.6	25.6	7.9	7.9	28.1	28.1	90.5	90.5	6.3	6.3	16.3		11		92				<0.2		1.3	
						8.6	0.4	261	25.6		7.9		28.1		90.5		6.3		16.3		11		93				<0.2		1.3	
SR2	Cloudy	Moderate	06:23	5.0	Surface	1.0	0.5	301	25.7	25.7	7.8	7.8	28.0	28.0	89.5	89.5	6.2	6.2	12.4	12.3	16	16	85	88	821456	814176	<0.2	<0.2	1.2	1.2
						1.0	0.5	310	25.7		7.8		28.0		89.5		6.2		12.4		16		85				<0.2		1.2	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	272	25.7	25.7	7.8	7.8	28.3	28.3	90.8	90.9	6.3	6.3	12.1		16		91				<0.2		1.2	
						4.0	0.2	290	25.7		7.8		28.3		90.9		6.3		12.1		16		90				<0.2		1.3	
SR3	Cloudy	Moderate	07:23	9.5	Surface	1.0	0.4	195	25.4	25.4	8.0	8.0	29.6	29.6	94.0	94.0	6.5	6.5	10.2	18.4	6	10	-	-	822156	807586	-	-	-	-
						1.0	0.4	213	25.4		8.0		29.6		94.0		6.5		10.2		7		-				-		-	
					Middle	4.8	0.3	233	25.3	25.3	8.0	8.0	29.7	29.7	93.2	93.2	6.5		14.7		10		-				-		-	
						4.8	0.3	234	25.3		8.0		29.7		93.2		6.5		14.7		10		-				-		-	
					Bottom	8.5	0.3	201	25.4	25.4	8.0	8.0	29.8	29.8	93.0	93.0	6.5	6.5	30.3		14		-				-		-	
						8.5	0.3	218	25.4		8.0		29.8		93.0		6.5		30.3		14		-				-		-	
SR4A	Fine	Calm	06:12	9.1	Surface	1.0	0.3	227	27.7	27.7	8.0	8.0	29.2	29.2	92.3	92.3	6.2	6.2	10.5	14.9	12	17	-	-	817196	807826	-	-	-	-
						1.0	0.3	234	27.7		8.0		29.1		92.2		6.2		10.5		13		-				-		-	
					Middle	4.6	0.2	216	27.6	27.5	8.0	8.0	29.3	29.4	92.1	92.3	6.2		11.4		14		-				-		-	
						4.6	0.3	233	27.4		8.0		29.5		92.4		6.2		12.3		15		-				-		-	
					Bottom	8.1	0.2	179	27.8	27.6	8.0	8.0	29.2	29.4	91.4	91.7	6.1	6.2	21.7		24		-				-		-	
						8.1	0.2	196	27.4		8.0		29.5		91.9		6.2		22.9		26		-				-		-	
SR5A	Fine	Calm	05:52	4.6	Surface	1.0	0.2	297	27.8	27.8	8.0	8.0	27.4	27.4	87.8	87.8	5.9	5.9	5.3	8.0	8	8	-	-	816585	810696	-	-	-	-
						1.0	0.2	324	27.8		8.0		27.4		87.8		5.9		5.5		7		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	282	27.8	27.6	7.9	7.9	27.5	27.7	86.3	86.6	5.8	5.9	10.0		9		-				-		-	
						3.6	0.2	309	27.4		7.9		27.8		86.9		5.9		11.0		9		-				-		-	
SR6	Fine	Calm	05:25	5.0	Surface	1.0	0.1	203	27.8	27.8	8.0	8.0	27.8	27.8	90.1	90.1	6.1	6.1	5.4	7.2	8	8	-	-	817902	814656	-	-	-	-
						1.0	0.1	219	27.8		8.0		27.8		90.1		6.1		5.9		9		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	211	28.0	28.0	8.0	8.0	28.3	28.3	85.8	85.6	5.7	5.7	8.2		8		-				-		-	
						4.0	0.1	214	28.0		8.0		28.3		85.4		5.7		9.4		7		-				-		-	
SR7	Rainy	Moderate	05:23	16.0	Surface	1.0	0.2	206	25.8	25.8	7.9	7.9	30.2	30.2	85.1	85.1	5.8	5.9	5.5	8.4	8	12	-	-	823616	823758	-	-	-	-
						1.0	0.2	224	25.8		7.9		30.2		85.1		5.8		5.5		9		-				-		-	
					Middle	8.0	0.2	176	25.8	25.8	7.9	7.9	30.5	30.5	85.3	85.3	5.9		8.2		11		-				-		-	
						8.0	0.2	191	25.8		7.9		30.5		85.3		5.9		7.8		10		-				-		-	
					Bottom	15.0	0.1	190	25.8	25.8	7.9	7.9	31.0	31.0	85.1	85.1	5.8	5.8	11.6		16		-				-		-	
						15.0	0.2	192	25.8		7.9		31.0		85.1		5.8		11.6		15		-				-		-	
SR8	Cloudy	Moderate	06:39	4.9	Surface	1.0	0.2	113	25.6	25.6	7.8	7.8	27.7	27.7	90.1	90.1	6.3	6.3	10.4	12.4	10	12	-	-	820427	811583	-	-	-	-
						1.0	0.2	121	25.6		7.8		27.7		90.1		6.3		10.5		10		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	231	25.6	25.6	7.8	7.8	27.9	28.0	89.9	90.4	6.3	6.3	14.0		14		-				-		-	
						3.9	0.2	246	25.6		7.8		28.0		90.8		6.3		14.7		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Rough	12:43	8.7	Surface	1.0	0.6	224	27.9	28.0	8.1	8.1	30.0	30.0	95.9	95.2	6.4	6.1	4.0	15.3	3	7	81	88	815621	804264	<0.2	<0.2	0.7	0.9
						1.0	0.7	244	28.0		8.1		30.0		94.5		6.3		4.1		3		82				<0.2		0.8	
					Middle	4.4	0.6	214	28.1	28.1	8.1	8.1	31.0	31.0	89.4	89.3	5.9		15.8		4		86				<0.2		0.8	
						4.4	0.7	222	28.0		8.1		31.0		89.1		5.9		16.2		5		90				<0.2		0.9	
					Bottom	7.7	0.5	223	27.8	27.8	8.1	8.1	32.1	32.1	89.9	90.2	5.9	5.9	25.6		15		93				<0.2		1.0	
						7.7	0.5	233	27.8		8.1		32.1		90.5		5.9		25.9		14		94				<0.2		1.4	
C2	Cloudy	Moderate	11:36	12.6	Surface	1.0	0.4	169	25.8	25.8	7.9	7.9	27.1	27.1	90.5	90.5	6.3	6.3	8.6	11.6	10	13	83	88	825695	806960	<0.2	<0.2	1.6	1.5
						1.0	0.4	176	25.8		7.9		27.1		90.4		6.3		8.6		8		82				<0.2		1.7	
					Middle	6.3	0.7	171	25.6	25.6	7.9	7.9	27.5	27.5	89.5	89.5	6.3		13.7		12		90				<0.2		1.6	
						6.3	0.7	178	25.6		7.9		27.5		89.5		6.3		13.7		11		91				<0.2		1.6	
					Bottom	11.6	0.4	160	25.8	25.8	7.9	7.9	28.9	28.9	90.8	90.9	6.3	6.3	12.6		18		92				<0.2		1.1	
						11.6	0.4	161	25.8		7.9		28.9		90.9		6.3		12.5		16		92				<0.2		1.1	
C3	Cloudy	Moderate	13:16	13.5	Surface	1.0	0.5	112	25.9	25.9	8.0	8.0	29.8	29.8	88.3	88.3	6.1	6.0	6.8	8.8	7	9	87	90	822094	817811	<0.2	<0.2	1.0	1.0
						1.0	0.5	114	25.9		8.0		29.8		88.3		6.1		6.8		7		88				<0.2		1.2	
					Middle	6.8	0.3	84	25.8	25.8	8.0	8.0	30.7	30.7	85.7	85.7	5.9		11.9		8		90				<0.2		0.9	
						6.8	0.4	84	25.8		8.0		30.7		85.7		5.9		11.9		9		90				<0.2		1.0	
					Bottom	12.5	0.3	73	25.8	25.8	7.9	7.9	31.0	31.0	87.2	87.2	6.0	6.0	7.7		11		91				<0.2		0.9	
						12.5	0.3	76	25.8		7.9		31.0		87.2		6.0		7.7		13		92				<0.2		0.9	
IM1	Fine	Rough	12:22	7.5	Surface	1.0	0.5	188	28.1	28.1	8.0	8.0	28.8	28.8	94.7	94.6	6.3	6.2	3.8	4.1	3	4	74	79	818334	806462	<0.2	<0.2	1.1	1.0
						1.0	0.5	196	28.1		8.0		28.7		94.5		6.3		3.5		4		75				<0.2		1.1	
					Middle	3.8	0.5	181	28.1	28.1	8.0	8.0	29.8	29.9	93.2	93.0	6.2		3.8		4		79				<0.2		0.9	
						3.8	0.5	190	28.1		8.0		29.9		92.7		6.1		4.1		4		80				<0.2		0.8	
					Bottom	6.5	0.3	177	28.1	28.1	8.0	8.0	30.3	30.4	92.1	92.4	6.1	6.1	4.6		4		82				<0.2		1.2	
						6.5	0.3	193	28.1		8.0		30.4		92.7		6.1		4.5		4		82				<0.2		1.0	
IM2	Fine	Rough	12:16	8.5	Surface	1.0	0.7	212	28.3	28.1	8.0	8.0	28.3	28.4	92.7	92.8	6.2	6.1	5.0	13.2	4	6	73	79	818870	806186	<0.2	<0.2	1.1	0.8
						1.0	0.8	218	27.9		8.0		28.5		92.8		6.2		5.4		4		74				<0.2		1.1	
					Middle	4.3	0.5	195	28.2	28.2	8.0	8.0	30.5	30.5	90.1	89.9	5.9		9.0		6		79				<0.2		0.7	
						4.3	0.6	195	28.2		8.0		30.5		89.6		5.9		10.0		6		80				<0.2		0.7	
					Bottom	7.5	0.5	176	28.1	28.1	8.0	8.0	31.1	31.1	88.5	88.7	5.8	5.8	25.9		8		85				<0.2		0.7	
						7.5	0.5	188	28.1		8.0		31.1		88.9		5.8		24.1		8		83				<0.2		0.7	
IM3	Fine	Rough	12:08	8.5	Surface	1.0	0.7	210	28.1	28.2	8.1	8.1	30.4	30.4	94.1	93.9	6.2	6.1	4.0	7.0	6	7	73	79	819422	806018	<0.2	<0.2	0.7	0.7
						1.0	0.7	216	28.2		8.1		30.4		93.7		6.2		4.0		4		75				<0.2		0.8	
					Middle	4.3	0.7	208	28.1	28.1	8.0	8.0	30.8	30.8	90.4	90.3	6.0		6.4		6		79				<0.2		0.7	
						4.3	0.7	219	28.1		8.0		30.8		90.2		5.9		6.7		8		79				<0.2		0.6	
					Bottom	7.5	0.6	193	28.0	28.0	8.0	8.0	31.3	31.3	89.3	89.5	5.9	5.9	10.4		10		83				<0.2		0.6	
						7.5	0.6	200	28.0		8.0		31.2		89.6		5.9		10.5		9		83				<0.2		0.6	
IM4	Fine	Rough	12:01	8.2	Surface	1.0	0.7	206	28.1	28.1	8.0	8.0	30.0	30.0	90.2	89.8	6.0	5.9	8.6	11.9	10	16	73	77	819572	805033	<0.2	<0.2	0.9	0.7
						1.0	0.8	223	28.1		8.0		30.0		89.3		5.9		9.6		10		73				<0.2		0.8	
					Middle	4.1	0.6	198	28.1	28.0	8.1	8.1	31.2	31.4	87.6	87.9	5.8		12.6		17		76				<0.2		0.7	
						4.1	0.7	202	27.8		8.1		31.5		88.1		5.8		12.8		18		76				<0.2		0.7	
					Bottom	7.2	0.5	197	28.2	28.0	8.1	8.1	31.8	31.9	87.3	87.6	5.7	5.8	13.7		19		80				<0.2		0.5	
						7.2	0.5	201	27.8		8.1		32.0		87.8		5.8		14.1		19		81				<0.2		0.6	
IM5	Fine	Rough	11:53	7.0	Surface	1.0	0.9	198	28.0	28.0	8.0	8.0	29.9	30.0	90.2	90.0	6.0	5.9	10.0	13.5	14	16	73	77	820557	804921	<0.2	<0.2	0.8	0.9
						1.0	0.9	211	28.0		8.0		30.0		89.8		5.9		11.4		14		73				<0.2		0.7	
					Middle	3.5	0.6	205	27.9	27.9	8.0	8.0	30.6	30.6	88.7	88.7	5.9		13.8		17		77				<0.2		0.9	
						3.5	0.6	220	27.9		8.0		30.6		88.6		5.9		14.3		16		78				<0.2		0.9	
					Bottom	6.0	0.4	217	28.0	28.0	8.0	8.0	31.2	31.2	88.7	89.4	5.8	5.9	15.9		18		81				<0.2		1.1	
						6.0	0.4	225	28.0		8.0		31.2		90.0		5.9		15.8		17		81				<0.2		1.0	
IM6	Fine	Rough	11:43	7.1	Surface	1.0	0.6	209	28.0	28.0	8.0	8.0	29.7	29.7	92.9	92.8	6.2	6.1	6.0	10.6	7	9	73	77	821044	805843	<0.2	<0.2	0.9	0.9
						1.0	0.6	219	28.0		8.0		29.7		92.6		6.1		6.3		7		74				<0.2		0.9	
					Middle	3.6	0.5	221	28.0	28.0	8.0	8.0	30.1	30.2	90.5	90.3	6.0		9.2		9		76				<0.2		1.0	
						3.6	0.5	239	28.0		8.0		30.2		90.1		6.0		10.3		8		78				<0.2		0.9	
					Bottom	6.1	0.4	229	28.0	28.0	8.0	8.0	30.9	30.9	89.2	89.4	5.9	5.9	15.5		10		81				<0.2		0.8	
						6.1	0.4	233	28.0		8.0		30.9		89.5		5.9		16.4		11		81				<0.2		0.8	
IM7	Fine	Rough	11:32	8.0	Surface	1.0	0.6	211	28.1	28.1	8.0	8.0	29.6	29.6	92.7	92.6	6.1	6.1	6.8	13.1	8	14	73	77	821343	806840	<0.2	<0.2	1.0	0.8
						1.0	0.6	229	28.1		8.0		29.6		92.4		6.1		7.1		7		74				<0.2		0.9	
					Middle	4.0	0.4	228	28.1	27.9	8.0	8.0	30.0	30.1	90.8	91.0	6.0		11.5		14		76				<0.2		0.7	
						4.0	0.5	230	27.7		8.0		30.2		91.2		6.1		12.1		15		77				<0.2		0.8	
					Bottom	7.0	0.3	225	28.0	28.0	8.0	8.0	30.0	30.1	90.2	90.3	6.0	6.0	20.0		20		79				<0.2		0.7	
						7.0	0.3	247	28.0		8.0		30.1		90.4		6.0		21.3		18		81				<0.2		0.8	
IM8	Cloudy	Moderate	12:11	8.8	Surface	1.0	0.8	188	25.6	25.6	7.9	7.9	27.4	27.4	94.1	94.1	6.6	6.6	6.3	9.3	6	8	83	88	821686	807819	<0.2	<0.2	1.4	1.3
						1.0	0.8	195	25.6		7.9		27.4		94.1		6.6		6.3		6		82				<0.2		1.4	
					Middle	4.4	0.7	198	25.5	25.5	8.0	8.0	28.8	28.8	94.9	94.9	6.6		8.1		8		89				<0.2		1.4	
						4.4	0.7	208	25.5		8.0		28.8		94.9		6.6		8.1		8		90				<0.2		1.3	
					Bottom	7.8	0.4	223	25.4	25.4	8.0	8.0	29.7	29.7	95.7	95.7	6.6	6.6	13.4		10		91				<0.2		1.0	
						7.8	0.4	240	25.4		8.0		29.7		95.7		6.6		13.4		12		92				<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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:18	7.8	Surface	1.0	0.8	132	25.5	25.5	8.0	8.0	28.6	28.6	93.6	93.6	6.5	6.5	9.4	17.1	7	12	84	89	822109	808811	<0.2	<0.2	1.1	1.1
						1.0	0.8	136	25.5		8.0		28.6		93.6		6.5		9.3		9		83				<0.2		1.2	
					Middle	3.9	0.5	125	25.4	25.4	8.0	8.0	28.9	28.9	93.4	93.4	6.5		11.2		13		91				<0.2		1.2	
						3.9	0.5	133	25.4		8.0		28.9		93.4		6.5		11.3		12		90				<0.2		1.2	
					Bottom	6.8	0.4	123	25.3	25.3	8.0	8.0	29.9	29.9	93.5	93.5	6.5	6.5	30.6		16		92				<0.2		1.1	
						6.8	0.4	133	25.3		8.0		29.9		93.5		6.5		30.7		15		92				<0.2		1.0	
IM10	Cloudy	Moderate	12:25	8.8	Surface	1.0	0.7	154	25.5	25.5	8.0	8.0	28.6	28.6	94.3	94.3	6.6	6.6	8.2	14.4	11	11	84	89	822225	809825	<0.2	<0.2	1.3	1.2
						1.0	0.8	167	25.5		8.0		28.6		94.2		6.6		8.2		10		85				<0.2		1.3	
					Middle	4.4	0.5	154	25.5	25.5	8.0	8.0	28.8	28.8	93.9	93.9	6.5		10.5		11		90				<0.2		1.1	
						4.4	0.6	161	25.5		8.0		28.8		93.9		6.5		10.6		11		90				<0.2		1.2	
					Bottom	7.8	0.3	148	25.4	25.4	8.0	8.0	29.9	29.9	95.8	95.8	6.6	6.6	24.5		11		92				<0.2		1.1	
						7.8	0.3	148	25.4		8.0		29.9		95.8		6.6		24.4		10		91				<0.2		1.1	
IM11	Cloudy	Moderate	12:32	8.4	Surface	1.0	0.6	113	25.6	25.6	8.0	8.0	28.4	28.4	95.9	95.9	6.7	6.7	4.5	4.5	5	6	83	88	821513	810538	<0.2	<0.2	1.3	1.4
						1.0	0.6	123	25.6		8.0		28.4		95.9		6.7		4.5		6		84				<0.2		1.4	
					Middle	4.2	0.6	96	25.6	25.6	8.0	8.0	28.4	28.4	95.9	96.0	6.7		4.9		5		90				<0.2		1.4	
						4.2	0.6	105	25.6		8.0		28.4		96.0		6.7		5.0		5		89				<0.2		1.3	
					Bottom	7.4	0.3	109	25.5	25.5	8.0	8.0	28.8	28.8	96.8	96.9	6.7	6.8	4.2		8		92				<0.2		1.4	
						7.4	0.4	110	25.5		8.0		28.7		96.9		6.8		4.1		6		92				<0.2		1.3	
IM12	Cloudy	Moderate	12:38	9.4	Surface	1.0	0.8	116	25.6	25.6	8.0	8.0	28.1	28.1	95.8	95.8	6.7	6.7	5.9	15.7	6	11	85	89	821169	811532	<0.2	<0.2	1.3	1.3
						1.0	0.8	118	25.6		8.0		28.1		95.8		6.7		6.0		5		83				<0.2		1.3	
					Middle	4.7	0.8	101	25.4	25.4	8.0	8.0	28.7	28.7	94.1	94.2	6.6		12.1		5		90				<0.2		1.4	
						4.7	0.8	101	25.4		8.0		28.7		94.2		6.6		12.3		5		90				<0.2		1.4	
					Bottom	8.4	0.7	91	25.3	25.3	8.0	8.0	29.4	29.4	93.2	93.2	6.5	6.5	28.7		21		92				<0.2		1.1	
						8.4	0.7	91	25.3		8.0		29.4		93.2		6.5		29.0		21		92				<0.2		1.2	
SR2	Cloudy	Moderate	12:57	4.3	Surface	1.0	0.5	85	25.6	25.6	7.9	7.9	28.8	28.8	92.7	92.7	6.4	6.4	12.5	13.1	12	14	84	88	821446	814175	<0.2	<0.2	1.3	1.2
						1.0	0.5	90	25.6		7.9		28.8		92.7		6.4		12.6		10		85				<0.2		1.1	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	68	25.6	25.6	7.9	7.9	28.9	28.9	94.9	95.0	6.6	6.6	13.8		16		90				<0.2		1.2	
						3.3	0.3	69	25.6		7.9		28.9		95.0		6.6		13.6		16		91				<0.2		1.2	
SR3	Cloudy	Moderate	12:06	9.3	Surface	1.0	0.8	187	25.7	25.7	7.9	7.9	27.3	27.3	92.8	92.8	6.5	6.5	8.0	15.3	7	10	-	-	822138	807557	-	-	-	-
						1.0	0.8	201	25.7		7.9		27.3		92.8		6.5		8.0		8		-				-		-	
					Middle	4.7	0.7	185	25.4	25.4	7.9	7.9	28.1	28.1	92.6	92.6	6.5		13.6		10		-				-		-	
						4.7	0.7	187	25.4		7.9		28.1		92.6		6.5		13.7		10		-				-		-	
					Bottom	8.3	0.3	229	25.4	25.4	8.0	8.0	29.3	29.3	93.2	93.2	6.5	6.5	24.1		12		-				-		-	
						8.3	0.3	251	25.4		8.0		29.3		93.2		6.5		24.1		12		-				-		-	
SR4A	Fine	Calm	13:05	8.6	Surface	1.0	0.3	173	27.8	27.8	8.0	8.0	29.6	29.6	91.2	91.2	6.1	6.1	8.3	13.8	8	14	-	-	817174	807807	-	-	-	-
						1.0	0.3	181	27.8		8.0		29.6		91.2		6.1		9.0		8		-				-		-	
					Middle	4.3	0.3	111	27.8	27.8	8.0	8.0	29.8	29.8	90.9	91.0	6.0		13.4		13		-				-		-	
						4.3	0.3	120	27.8		8.0		29.8		91.0		6.0		15.2		13		-				-		-	
					Bottom	7.6	0.2	142	27.6	27.8	8.0	8.0	30.0	29.9	91.4	91.7	6.1	6.1	17.5		22		-				-		-	
						7.6	0.2	142	27.9		8.0		29.8		91.9		6.1		19.6		22		-				-		-	
SR5A	Fine	Calm	13:22	4.5	Surface	1.0	0.2	131	28.2	28.2	8.0	8.0	27.8	27.9	91.9	91.8	6.1	6.1	7.3	10.8	11	11	-	-	816596	810696	-	-	-	-
						1.0	0.2	134	28.1		8.0		27.9		91.7		6.1		8.0		9		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	172	27.7	27.8	8.0	8.0	29.1	29.1	91.2	91.3	6.1	6.1	13.6		11		-				-		-	
						3.5	0.2	186	27.8		8.0		29.1		91.3		6.1		14.2		13		-				-		-	
SR6	Fine	Calm	13:44	3.9	Surface	1.0	0.2	112	28.1	28.1	7.9	7.9	26.5	26.5	90.9	91.1	6.1	6.1	4.8	7.1	5	8	-	-	817905	814646	-	-	-	-
						1.0	0.2	113	28.1		7.9		26.5		91.2		6.1		4.8		6		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	109	27.9	27.9	7.9	7.9	27.6	27.7	89.2	89.4	6.0	6.0	9.3		10		-				-		-	
						2.9	0.2	112	27.9		7.9		27.7		89.5		6.0		9.6		9		-				-		-	
SR7	Cloudy	Moderate	13:43	17.3	Surface	1.0	0.5	93	26.2	26.2	8.0	8.0	29.7	29.7	92.2	92.2	6.3	6.3	2.8	3.9	4	5	-	-	823640	823745	-	-	-	-
						1.0	0.6	98	26.2		8.0		29.7		92.1		6.3		2.9		4		-				-		-	
					Middle	8.7	0.4	96	26.1	26.1	8.0	8.0	30.1	30.1	90.1	90.1	6.2		3.7		6		-				-		-	
						8.7	0.4	103	26.1		8.0		30.1		90.1		6.2		3.7		4		-				-		-	
					Bottom	16.3	0.4	108	26.0	26.0	7.9	7.9	30.6	30.6	90.0	90.0	6.2	6.2	5.0		6		-				-		-	
						16.3	0.4	115	26.0		7.9		30.6		90.0		6.2		5.1		5		-				-		-	
SR8	Cloudy	Moderate	12:44	5.4	Surface	1.0	0.2	159	26.8	26.8	7.9	7.9	28.4	28.4	95.7	95.7	6.5	6.5	8.8	11.8	10	11	-	-	820426	811584	-	-	-	-
						1.0	0.2	161	26.8		7.9		28.4		95.7		6.5		8.9		11		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	144	25.7	25.7	7.9	7.9	28.8	28.8	95.9	95.9	6.7	6.7	14.7		12		-				-		-	
						4.4	0.2	154	25.7		7.9		28.8		95.9		6.7		14.7		11		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	08:14	9.1	Surface	1.0	0.7	41	28.7	28.7	8.1	8.1	31.8	31.9	100.5	100.6	6.5	6.5	11.7	15.5	10	21	73	86	815606	804250	<0.2	<0.2	1.0	0.8
						1.0	0.7	44	28.6		8.1		31.9		100.6		6.5		11.7		10		78				<0.2		0.9	
					Middle	4.6	0.8	42	28.6	28.7	8.1	8.1	31.9	31.9	99.9	99.8	6.5		14.4		22		85				<0.2		0.8	
						4.6	0.9	42	28.7		8.1		31.9		99.7		6.5		14.5		21		92				<0.2		0.7	
					Bottom	8.1	0.8	48	28.7	28.6	8.1	8.1	32.4	32.5	98.9	99.0	6.4	6.4	20.0		32		96				<0.2		0.6	
						8.1	0.9	52	28.5		8.1		32.6		99.1		6.4		20.4		30		92				<0.2		0.6	
C2	Cloudy	Moderate	09:34	12.1	Surface	1.0	0.5	112	26.1	26.1	7.9	7.9	27.5	27.5	87.7	87.7	6.1	6.1	5.4	13.3	11	12	83	88	825676	806961	<0.2	<0.2	2.3	2.1
						1.0	0.5	118	26.1		7.9		27.5		87.6		6.1		5.5		11		82				<0.2		2.1	
					Middle	6.1	0.6	193	26.0	26.0	7.9	7.9	28.2	28.2	86.3	86.3	6.0		11.1		9		89				<0.2		2.1	
						6.1	0.6	200	26.0		7.9		28.2		86.3		6.0		11.1		11		90				<0.2		2.1	
					Bottom	11.1	0.5	245	26.0	26.0	7.9	7.9	29.0	29.0	87.9	88.0	6.1	6.1	23.3		13		93				<0.2		2.0	
						11.1	0.5	248	26.0		7.9		29.0		88.0		6.1		23.3		15		92				<0.2		2.0	
C3	Cloudy	Moderate	07:44	12.1	Surface	1.0	0.7	269	26.0	26.0	7.9	7.9	32.1	32.1	86.2	86.2	5.8	5.8	4.0	6.5	5	8	88	90	822095	817819	<0.2	<0.2	1.2	1.2
						1.0	0.7	295	26.0		7.9		32.1		86.1		5.8		4.0		5		87				<0.2		1.3	
					Middle	6.1	0.7	271	25.9	25.9	7.9	7.9	32.5	32.5	85.3	85.3	5.8		5.8		6		90				<0.2		1.1	
						6.1	0.7	296	25.9		7.9		32.5		85.3		5.8		5.8		8		90				<0.2		1.1	
					Bottom	11.1	0.5	259	25.9	25.9	7.9	7.9	32.9	32.9	87.0	87.0	5.9	5.9	9.7		11		93				<0.2		1.2	
						11.1	0.5	274	25.9		7.9		32.9		87.0		5.9		9.8		10		92				<0.2		1.1	
IM1	Fine	Calm	08:36	8.1	Surface	1.0	0.8	58	28.5	28.7	8.1	8.1	30.3	30.2	98.7	98.4	6.5	6.4	8.1	14.8	11	23	72	80	818344	806446	<0.2	<0.2	1.2	1.1
						1.0	0.8	63	28.9		8.1		30.1		98.0		6.4		8.0		9		74				<0.2		1.0	
					Middle	4.1	0.7	94	28.6	28.6	8.1	8.1	30.8	30.9	96.4	96.4	6.3		12.7		21		79				<0.2		1.4	
						4.1	0.7	97	28.5		8.1		30.9		96.4		6.3		12.9		22		85				<0.2		1.1	
					Bottom	7.1	0.5	161	28.5	28.5	8.1	8.1	31.0	31.0	95.1	95.2	6.2	6.2	23.3		37		85				<0.2		1.0	
						7.1	0.5	174	28.5		8.1		31.0		95.2		6.2		23.5		40		87				<0.2		0.9	
IM2	Fine	Calm	08:41	8.2	Surface	1.0	0.8	76	28.9	28.9	8.1	8.1	30.6	30.7	100.1	100.1	6.5	6.4	6.2	10.8	8	15	73	79	818846	806191	<0.2	<0.2	1.0	1.0
						1.0	0.8	77	28.9		8.1		30.7		100.1		6.5		6.3		8		75				<0.2		1.0	
					Middle	4.1	0.6	76	28.3	28.5	8.1	8.1	31.3	31.2	97.4	97.1	6.4		13.0		8		79				<0.2		1.2	
						4.1	0.7	81	28.7		8.1		31.1		96.8		6.3		13.2		8		82				<0.2		1.0	
					Bottom	7.2	0.5	112	28.5	28.3	8.1	8.1	31.2	31.4	98.5	99.3	6.4	6.5	13.6		28		83				<0.2		0.9	
						7.2	0.5	116	28.1		8.1		31.5		100.0		6.6		12.5		29		84				<0.2		1.1	
IM3	Fine	Calm	08:49	8.5	Surface	1.0	0.7	93	28.8	28.8	8.1	8.1	30.7	30.7	99.9	99.9	6.5	6.4	7.4	14.2	6	21	75	77	819397	806038	<0.2	<0.2	0.9	1.0
						1.0	0.8	100	28.8		8.1		30.7		99.8		6.5		7.6		8		76				<0.2		1.2	
					Middle	4.3	0.6	68	28.7	28.7	8.1	8.1	30.9	30.9	97.4	97.3	6.3		12.1		22		74				<0.2		1.0	
						4.3	0.6	68	28.7		8.1		30.9		97.2		6.3		12.5		24		76				<0.2		1.0	
					Bottom	7.5	0.4	97	28.5	28.5	8.1	8.1	31.3	31.3	94.8	94.9	6.2	6.2	22.6		35		79				<0.2		0.9	
						7.5	0.5	104	28.4		8.1		31.3		95.0		6.2		22.7		32		81				<0.2		0.9	
IM4	Fine	Calm	08:57	8.4	Surface	1.0	0.7	70	29.0	29.0	8.1	8.1	30.8	30.8	97.9	97.9	6.4	6.3	8.2	10.7	8	13	73	78	819584	805024	<0.2	<0.2	1.7	1.2
						1.0	0.7	71	29.0		8.1		30.8		97.9		6.3		8.5		7		75				<0.2		1.4	
					Middle	4.2	0.7	57	28.6	28.6	8.1	8.1	31.3	31.3	95.8	95.9	6.2		11.8		23		76				<0.2		1.0	
						4.2	0.8	59	28.5		8.1		31.3		95.9		6.3		11.8		24		78				<0.2		0.9	
					Bottom	7.4	0.6	55	28.6	28.4	8.1	8.1	31.4	31.5	96.8	97.3	6.3	6.4	12.4		9		84				<0.2		1.3	
						7.4	0.6	55	28.2		8.1		31.6		97.8		6.4		11.6		9		83				<0.2		1.1	
IM5	Fine	Calm	09:04	7.2	Surface	1.0	0.8	110	28.9	28.9	8.1	8.1	30.0	30.0	96.3	96.2	6.3	6.3	9.3	13.6	7	15	76	78	820578	804905	<0.2	<0.2	1.3	1.1
						1.0	0.8	117	28.9		8.1		30.0		96.1		6.3		9.6		5		78				<0.2		1.2	
					Middle	3.6	0.9	52	28.6	28.6	8.1	8.1	31.1	31.1	95.4	95.5	6.2		14.6		11		77				<0.2		1.2	
						3.6	0.9	55	28.5		8.1		31.1		95.5		6.2		14.8		10		79				<0.2		0.9	
					Bottom	6.2	0.6	120	28.5	28.4	8.1	8.1	31.1	31.2	97.8	98.2	6.4	6.5	16.9		27		79				<0.2		1.0	
						6.2	0.7	120	28.2		8.1		31.3		98.5		6.5		16.4		27		81				<0.2		0.9	
IM6	Fine	Calm	09:11	7.0	Surface	1.0	0.8	72	28.4	28.5	8.1	8.1	31.0	31.0	96.6	96.6	6.3	6.3	16.4	17.8	11	28	74	78	821044	805837	<0.2	<0.2	1.2	1.0
						1.0	0.8	73	28.5		8.1		31.0		96.6		6.3		16.2		9		76				<0.2		1.1	
					Middle	3.5	0.7	51	28.6	28.6	8.1	8.1	30.8	30.9	97.0	97.0	6.3		16.5		22		77				<0.2		0.9	
						3.5	0.8	54	28.6		8.1		30.9		97.0		6.3		16.6		22		78				<0.2		1.0	
					Bottom	6.0	0.6	62	28.5	28.5	8.1	8.1	31.0	31.0	97.8	98.2	6.4	6.4	21.5		50		82				<0.2		1.0	
						6.0	0.6	66	28.5		8.0		31.0		98.5		6.4		19.8		55		83				<0.2		0.9	
IM7	Fine	Calm	09:20	8.5	Surface	1.0	0.6	82	29.2	29.2	8.1	8.1	30.0	30.1	99.8	99.5	6.5	6.4	7.6	13.7	7	13	73	78	821361	806849	<0.2	<0.2	1.4	1.2
						1.0	0.6	86	29.2		8.1		30.1		99.2		6.4		8.5		6		74				<0.2		1.1	
					Middle	4.3	0.7	41	28.3	28.5	8.1	8.1	30.9	30.8	96.8	96.5	6.3		15.0		7		74				<0.2		1.3	
						4.3	0.7	44	28.7		8.1		30.7		96.2		6.3		15.0		8		76				<0.2		1.3	
					Bottom	7.5	0.5	87	28.6	28.6	8.0	8.0	30.8	30.8	98.5	98.6	6.4	6.4	17.9		24		83				<0.2		1.2	
						7.5	0.5	92	28.5		8.0		30.8		98.7		6.4		17.9		25		85				<0.2		1.0	
IM8	Cloudy	Moderate	08:58	8.1	Surface	1.0	0.4	288	26.5	26.5	8.0	8.0	29.6	29.6	98.3	98.3	6.7	6.7	3.9	11.7	4	10	84	89	821681	807839	<0.2	<0.2	1.8	1.6
						1.0	0.4	306	26.5		8.0		29.6		98.3		6.7		4.0		5		85				<0.2		1.9	
					Middle	4.1	0.5	302	26.1	26.1	8.0	8.0	30.7	30.7	96.8	96.8	6.6		10.2		6		90				<0.2		1.8	
						4.1	0.5	325	26.1		8.0		30.7		96.8		6.6		10.3		6		91				<0.2		1.7	
					Bottom	7.1	0.3	223	25.9	25.9	8.0	8.0	31.9	31.9	97.3	97.4	6.6	6.6	20.8		18		92				<0.2		1.4	
						7.1	0.3	238	25.9		8.0		31.9		97.4		6.6		20.8		20		92				<0.2		1.2	

DA: Depth-Averaged
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 04 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Cloudy	Moderate	08:51	7.5	Surface	1.0	0.4	247	26.2	26.2	7.9	7.9	28.9	29.0	91.0	91.0	6.2	6.2	5.2	12.9	6	8	83	88	822105	808805	<0.2	<0.2	1.8	1.9
						1.0	0.4	253	26.2		7.9		29.0		91.0		6.2		5.3		5		83				<0.2		1.9	
					Middle	3.8	0.5	278	26.0	26.0	7.9	7.9	29.1	29.1	90.3	90.3	6.2		9.1		7		90				<0.2		2.0	
						3.8	0.5	296	26.0		7.9		29.1		90.3		6.2		9.3		6		89				<0.2		2.0	
					Bottom	6.5	0.5	290	25.9	25.9	8.0	8.0	30.5	30.5	90.7	90.7	6.2	6.2	24.3		11		92				<0.2		1.7	
						6.5	0.6	301	25.9		8.0		30.5		90.7		6.2		24.3		12		91				<0.2		1.8	
IM10	Cloudy	Moderate	08:43	7.3	Surface	1.0	0.7	299	26.0	26.0	8.0	8.0	29.9	29.9	91.0	91.0	6.2	6.2	7.5	10.0	10	12	84	89	822242	809857	<0.2	<0.2	1.6	1.7
						1.0	0.7	325	26.0		8.0		29.9		91.0		6.2		7.5		8		86				<0.2		1.6	
					Middle	3.7	0.6	303	25.9	25.9	7.9	7.9	30.1	30.1	90.9	90.9	6.2		9.8		13		91				<0.2		1.9	
						3.7	0.6	319	25.9		7.9		30.1		90.9		6.2		9.9		11		90				<0.2		1.7	
					Bottom	6.3	0.5	299	25.9	25.9	7.9	7.9	30.2	30.2	92.2	92.2	6.3	6.3	12.6		15		92				<0.2		1.7	
						6.3	0.5	317	25.9		7.9		30.2		92.2		6.3		12.6		15		92				<0.2		1.4	
IM11	Cloudy	Moderate	08:35	7.6	Surface	1.0	0.7	271	26.2	26.2	8.0	8.0	30.1	30.1	91.7	91.7	6.3	6.3	6.8	8.5	6	10	85	89	821515	810547	<0.2	<0.2	1.8	1.6
						1.0	0.7	274	26.2		8.0		30.1		91.6		6.3		6.8		7		84				<0.2		1.5	
					Middle	3.8	0.7	267	26.1	26.1	7.9	7.9	30.2	30.2	91.3	91.3	6.2		8.0		8		90				<0.2		1.5	
						3.8	0.7	286	26.1		7.9		30.2		91.3		6.2		8.0		9		91				<0.2		1.6	
					Bottom	6.6	0.7	277	26.0	26.0	7.9	7.9	30.4	30.4	93.0	93.1	6.4	6.4	10.8		13		92				<0.2		1.5	
						6.6	0.7	294	26.0		7.9		30.4		93.1		6.4		10.8		15		93				<0.2		1.4	
IM12	Cloudy	Moderate	08:28	8.2	Surface	1.0	0.9	275	26.1	26.1	7.9	7.9	29.9	29.9	90.6	90.7	6.2	6.2	7.7	10.3	10	12	86	89	821179	811524	<0.2	<0.2	1.3	1.4
						1.0	0.9	287	26.1		7.9		29.9		90.7		6.2		7.7		10		85				<0.2		1.4	
					Middle	4.1	0.8	274	26.0	26.0	7.9	7.9	29.9	29.9	90.5	90.5	6.2		9.1		11		94				<0.2		1.3	
						4.1	0.9	298	26.0		7.9		29.9		90.5		6.2		9.1		11		89				<0.2		1.2	
					Bottom	7.2	0.6	269	25.9	25.9	7.9	7.9	30.2	30.2	90.9	91.0	6.2	6.2	14.0		13		90				<0.2		1.7	
						7.2	0.7	286	25.9		7.9		30.2		91.0		6.2		14.1		15		91				<0.2		1.4	
SR2	Cloudy	Moderate	08:07	5.4	Surface	1.0	0.2	271	26.1	26.1	7.9	7.9	30.1	30.1	90.3	90.3	6.2	6.2	12.5	16.7	16	18	87	89	821482	814147	<0.2	<0.2	1.6	1.5
						1.0	0.2	276	26.1		7.9		30.1		90.3		6.2		12.5		14		87				<0.2		1.5	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	153	26.0	26.0	7.9	7.9	30.4	30.4	89.6	89.6	6.1	6.1	20.8		21		91				<0.2		1.4	
						4.4	0.2	159	26.0		7.9		30.4		89.6		6.1		20.9		19		90				<0.2		1.5	
SR3	Cloudy	Moderate	09:04	9.3	Surface	1.0	0.4	240	26.7	26.7	8.0	8.0	29.4	29.4	96.5	96.5	6.6	6.6	3.3	9.7	4	6	-	-	822132	807551	-	-	-	-
						1.0	0.4	263	26.7		8.0		29.4		96.5		6.6		3.3		5		-				-		-	
					Middle	4.7	0.5	271	26.3	26.3	8.0	8.0	29.6	29.6	96.3	96.3	6.6		6.1		6		-				-		-	
						4.7	0.6	289	26.3		8.0		29.6		96.3		6.6		6.1		5		-				-		-	
					Bottom	8.3	0.3	181	25.9	25.9	8.0	8.0	31.9	31.9	97.1	97.2	6.6	6.6	19.6		8		-				-		-	
						8.3	0.3	196	25.9		8.0		31.9		97.3		6.6		19.6		7		-				-		-	
SR4A	Fine	Calm	07:52	8.9	Surface	1.0	0.4	242	28.2	28.4	8.0	8.0	29.9	29.8	94.5	94.2	6.3	6.2	6.5	7.4	8	9	-	-	817177	807792	-	-	-	-
						1.0	0.4	258	28.6		8.0		29.6		93.9		6.2		6.3		9		-				-		-	
					Middle	4.5	0.4	244	28.2	28.4	8.0	8.0	29.9	29.8	93.9	93.6	6.2		7.4		9		-				-		-	
						4.5	0.4	249	28.6		8.0		29.6		93.3		6.1		7.3		9		-				-		-	
					Bottom	7.9	0.3	248	28.2	28.4	8.0	8.0	29.9	29.8	94.0	93.8	6.2	6.2	8.7		8		-				-		-	
						7.9	0.4	269	28.5		8.0		29.7		93.6		6.2		8.3		10		-				-		-	
SR5A	Fine	Calm	07:42	4.5	Surface	1.0	0.4	283	28.4	28.5	8.0	8.0	29.0	29.0	88.7	88.7	5.9	5.9	5.8	5.9	6	8	-	-	816585	810684	-	-	-	-
						1.0	0.4	309	28.5		8.0		28.9		88.7		5.9		5.6		7		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	289	28.4	28.4	8.0	8.0	28.9	28.9	88.6	88.7	5.9	5.9	6.0		8		-				-		-	
						3.5	0.3	317	28.4		8.0		28.9		88.8		5.9		6.2		9		-				-		-	
SR6	Fine	Calm	07:11	5.1	Surface	1.0	0.2	234	28.4	28.4	8.0	8.0	28.9	29.0	87.3	87.3	5.8	5.8	7.1	9.5	12	12	-	-	817886	814646	-	-	-	-
						1.0	0.2	255	28.4		8.0		29.0		87.3		5.8		7.3		11		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	233	28.4	28.4	8.0	8.0	29.0	29.0	88.8	89.0	5.9	5.9	11.6		12		-				-		-	
						4.1	0.2	241	28.4		8.0		28.9		89.1		5.9		11.8		12		-				-		-	
SR7	Cloudy	Calm	07:11	16.9	Surface	1.0	0.2	237	25.9	25.9	7.9	7.9	33.4	33.4	84.2	84.2	5.7	5.7	6.4	9.5	8	13	-	-	823625	823760	-	-	-	-
						1.0	0.2	237	25.9		7.9		33.4		84.2		5.7		6.5		6		-				-		-	
					Middle	8.5	0.3	188	25.9	25.9	7.9	7.9	33.9	33.9	83.6	83.6	5.6		9.9		14		-				-		-	
						8.5	0.3	204	25.9		7.9		33.9		83.6		5.6		9.9		13		-				-		-	
					Bottom	15.9	0.2	111	25.9	25.9	7.9	7.9	34.4	34.4	84.5	84.6	5.7	5.7	12.2		18		-				-		-	
						15.9	0.2	120	25.9		7.9		34.4		84.6		5.7		12.1		20		-				-		-	
SR8	Cloudy	Moderate	08:22	5.2	Surface	1.0	0.4	267	26.0	26.0	7.9	7.9	29.8	29.8	91.3	91.3	6.3	6.3	7.2	7.6	11	11	-	-	820431	811583	-	-	-	-
						1.0	0.4	273	26.0		7.9		29.8		91.3		6.3		7.3		10		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.4	279	25.9	25.9	7.9	7.9	30.4	30.4	93.3	93.4	6.4	6.4	7.7		12		-				-		-	
						4.2	0.5	282	25.9		7.9		30.4		93.4		6.4		8.2		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Calm	14:17	8.1	Surface	1.0	0.7	219	29.2	29.2	8.1	8.1	31.4	31.5	108.1	108.2	7.0	6.9	3.4	4.1	5	7	85	87	815627	804248	<0.2	<0.2	1.1	0.8
						1.0	0.7	239	29.1		8.1		31.5		108.2		7.0		3.4		6		83				<0.2		0.9	
					Middle	4.1	0.7	213	28.6	28.8	8.1	8.1	31.9	31.8	104.8	104.4	6.8		4.2		7		86				<0.2		0.7	
						4.1	0.8	231	29.0		8.1		31.6		104.0		6.7		4.0		6		85				<0.2		0.8	
					Bottom	7.1	0.6	212	28.8	28.8	8.1	8.1	32.3	32.4	102.4	102.5	6.6	6.6	4.7		8		90				<0.2		0.6	
						7.1	0.7	223	28.7		8.1		32.4		102.6		6.6		4.8		7		92				<0.2		0.7	
C2	Cloudy	Moderate	13:11	12.4	Surface	1.0	0.7	183	26.2	26.2	7.9	7.9	27.6	27.6	88.1	88.1	6.1	6.1	8.0	17.2	6	16	83	89	825681	806952	<0.2	<0.2	2.1	1.9
						1.0	0.7	195	26.2		7.9		27.6		88.1		6.1		8.1		5		85				<0.2		2.0	
					Middle	6.2	0.7	177	26.0	26.0	7.9	7.9	28.2	28.2	87.1	87.2	6.0		23.0		16		90				<0.2		2.0	
						6.2	0.7	190	26.0		7.9		28.2		87.2		6.0		22.9		15		91				<0.2		1.7	
					Bottom	11.4	0.4	161	26.0	26.0	7.9	7.9	29.3	29.3	88.9	89.0	6.1	6.1	20.7		27		92				<0.2		1.8	
						11.4	0.5	170	26.0		7.9		29.3		89.0		6.1		20.6		26		92				<0.2		1.9	
C3	Cloudy	Moderate	15:03	12.5	Surface	1.0	0.6	145	26.2	26.2	8.0	8.0	30.0	30.0	90.0	90.0	6.1	6.0	2.9	3.6	6	6	87	91	822127	817804	<0.2	<0.2	1.3	1.2
						1.0	0.6	154	26.2		8.0		30.0		90.0		6.1		2.9		5		90				<0.2		1.3	
					Middle	6.3	0.4	135	26.0	26.0	8.0	8.0	31.2	31.2	86.0	86.1	5.9		3.8		7		90				<0.2		1.2	
						6.3	0.4	137	26.0		8.0		31.2		86.1		5.9		3.8		7		90				<0.2		1.0	
					Bottom	11.5	0.5	79	26.0	26.0	8.0	8.0	31.7	31.7	88.7	88.8	6.0	6.0	3.9		5		93				<0.2		1.0	
						11.5	0.5	80	26.0		8.0		31.7		88.8		6.0		4.0		7		93				<0.2		1.1	
IM1	Fine	Calm	13:55	7.3	Surface	1.0	0.5	181	28.7	28.8	8.1	8.1	30.2	30.2	99.8	99.8	6.5	6.5	6.8	8.4	9	11	73	78	818364	806458	<0.2	<0.2	1.2	0.9
						1.0	0.5	189	28.8		8.1		30.2		99.7		6.5		6.7		8		74				<0.2		1.1	
					Middle	3.7	0.5	178	28.3	28.5	8.1	8.1	30.7	30.6	99.8	99.5	6.5		8.3		12		77				<0.2		0.8	
						3.7	0.5	184	28.7		8.1		30.4		99.1		6.5		8.1		13		79				<0.2		0.9	
					Bottom	6.3	0.4	186	28.7	28.5	8.1	8.1	32.1	32.2	99.7	100.0	6.5	6.5	10.1		13		81				<0.2		0.8	
						6.3	0.4	190	28.3		8.1		32.3		100.3		6.5		10.2		12		82				<0.2		0.8	
IM2	Fine	Calm	13:49	8.5	Surface	1.0	0.4	186	28.9	28.9	8.1	8.1	30.3	30.4	102.9	102.9	6.7	6.7	4.9	5.7	7	8	72	79	818833	806212	<0.2	<0.2	1.0	1.0
						1.0	0.4	200	28.9		8.1		30.4		102.9		6.7		5.0		7		75				<0.2		1.0	
					Middle	4.3	0.5	177	28.9	28.9	8.1	8.1	30.4	30.4	102.6	102.6	6.7		5.2		8		79				<0.2		1.1	
						4.3	0.5	182	28.9		8.1		30.4		102.6		6.7		5.3		9		81				<0.2		1.0	
					Bottom	7.5	0.3	188	28.7	28.5	8.1	8.1	32.1	32.3	101.4	101.7	6.6	6.6	6.9		8		83				<0.2		0.8	
						7.5	0.4	188	28.3		8.1		32.4		102.0		6.6		6.9		9		85				<0.2		0.8	
IM3	Fine	Calm	13:42	8.1	Surface	1.0	0.5	201	29.2	29.2	8.1	8.1	30.6	30.7	104.6	104.6	6.8	6.7	4.5	7.4	7	9	72	77	819417	806024	<0.2	<0.2	1.2	1.0
						1.0	0.5	208	29.2		8.1		30.7		104.5		6.8		4.6		6		72				<0.2		1.1	
					Middle	4.1	0.6	176	29.0	29.0	8.1	8.1	31.0	31.0	100.5	100.5	6.5		7.3		6		76				<0.2		1.0	
						4.1	0.6	182	28.9		8.1		31.0		100.4		6.5		7.5		8		79				<0.2		1.0	
					Bottom	7.1	0.5	176	28.2	28.4	8.1	8.1	32.0	31.9	99.3	99.4	6.5	6.5	10.2		12		81				<0.2		0.8	
						7.1	0.5	177	28.6		8.1		31.8		99.5		6.5		10.2		14		83				<0.2		0.8	
IM4	Fine	Calm	13:34	7.8	Surface	1.0	0.4	206	29.3	29.3	8.1	8.1	30.5	30.5	101.4	101.4	6.6	6.4	5.5	9.6	8	12	73	77	819587	805055	<0.2	<0.2	0.9	0.8
						1.0	0.5	209	29.3		8.1		30.5		101.3		6.5		5.6		8		73				<0.2		1.0	
					Middle	3.9	0.5	184	28.4	28.4	8.1	8.1	31.8	31.8	96.9	96.9	6.3		11.1		13		76				<0.2		0.8	
						3.9	0.5	196	28.4		8.1		31.8		96.8		6.3		11.4		13		78				<0.2		0.7	
					Bottom	6.8	0.5	163	28.4	28.5	8.1	8.1	32.0	32.0	97.7	98.0	6.3	6.4	12.5		15		82				<0.2		0.7	
						6.8	0.5	172	28.5		8.1		31.9		98.3		6.4		11.7		15		81				<0.2		0.7	
IM5	Fine	Calm	13:26	6.8	Surface	1.0	0.4	182	28.5	28.5	8.1	8.1	31.1	31.1	95.8	95.8	6.3	6.3	13.6	12.6	9	17	73	77	820573	804908	<0.2	<0.2	1.1	1.0
						1.0	0.4	194	28.5		8.1		31.1		95.8		6.3		13.5		8		73				<0.2		1.2	
					Middle	3.4	0.4	124	28.4	28.4	8.1	8.1	31.3	31.3	95.5	95.5	6.2		13.0		20		75				<0.2		0.8	
						3.4	0.4	125	28.4		8.1		31.2		95.5		6.2		12.8		19		79				<0.2		1.0	
					Bottom	5.8	0.4	144	28.5	28.4	8.1	8.1	31.2	31.3	97.9	98.3	6.4	6.5	11.5		22		82				<0.2		0.9	
						5.8	0.4	150	28.2		8.1		31.4		98.7		6.5		11.4		23		82				<0.2		0.8	
IM6	Fine	Calm	13:18	7.0	Surface	1.0	0.5	174	28.9	28.9	8.1	8.1	30.4	30.4	99.4	99.4	6.5	6.4	8.4	16.5	8	32	73	78	821069	805830	<0.2	<0.2	1.0	0.9
						1.0	0.5	183	28.9		8.1		30.4		99.4		6.5		8.6		8		74				<0.2		1.0	
					Middle	3.5	0.5	143	28.6	28.6	8.1	8.1	31.1	31.2	96.5	96.6	6.3		18.7		41		76				<0.2		0.8	
						3.5	0.5	145	28.5		8.1		31.2		96.7		6.3		18.9		42		78				<0.2		0.8	
					Bottom	6.0	0.4	130	28.4	28.5	8.1	8.1	31.3	31.3	98.3	98.3	6.4	6.4	22.3		46		85				<0.2		0.9	
						6.0	0.5	131	28.5		8.1		31.2		98.2		6.4		22.2		49		83				<0.2		1.0	
IM7	Fine	Calm	13:10	7.8	Surface	1.0	0.4	144	29.1	29.1	8.1	8.1	30.1	30.1	99.8	99.8	6.5	6.4	9.1	15.8	4	17	72	77	821351	806828	<0.2	<0.2	1.1	1.0
						1.0	0.4	153	29.1		8.1		30.1		99.7		6.5		9.5		4		74				<0.2		1.2	
					Middle	3.9	0.4	148	28.5	28.5	8.1	8.1	31.0	31.0	96.8	96.8	6.3		18.2		16		76				<0.2		0.9	
						3.9	0.4	149	28.5		8.1		31.0		96.8		6.3		18.6		18		77				<0.2		0.7	
					Bottom	6.8	0.4	124	28.2	28.4	8.1	8.1	31.2	31.1	99.5	99.3	6.5	6.5	20.1		30		79				<0.2		1.0	
						6.8	0.4	126	28.5		8.1		31.0		99.1		6.5		19.3		30		81				<0.2		0.8	
IM8	Cloudy	Moderate	13:51	8.6	Surface	1.0	0.5	187	26.6	26.6	8.0	8.0	29.3	29.3	103.9	103.9	7.1	7.1	3.8	13.2	4	13	83	88	821698	807840	<0.2	<0.2	1.8	1.4
						1.0	0.5	188	26.6		8.0		29.3		103.9		7.1		3.8		5		82				<0.2		1.5	
					Middle	4.3	0.4	179	26.4	26.4	8.1	8.1	30.8	30.8	103.8	103.8	7.0		6.6		6		91				<0.2		1.3	
						4.3	0.5	185	26.4		8.1		30.8		103.8		7.0		6.5		5		89				<0.2		1.2	
					Bottom	7.6	0.4	173	25.9	25.9	8.0	8.0	31.1	31.1	97.2	97.2	6.6	6.6	29.3		30		92				<0.2		1.3	
						7.6	0.4	181	25.9		8.0		31.1		97.2		6.6		29.2		26		92				<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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	14:01	7.7	Surface	1.0	0.5	134	26.6	26.6	8.0	8.0	29.5	29.5	100.7	100.7	6.9	6.8	4.7	16.2	5	11	84	89	822075	808821	<0.2	<0.2	1.5	1.3
						1.0	0.5	146	26.6		8.0		29.5		100.7		6.9		4.9		4		83				<0.2		1.4	
					Middle	3.9	0.4	140	26.1	26.1	8.1	8.1	31.1	31.1	98.6	98.6	6.7		11.1		6		90				<0.2		1.2	
						3.9	0.5	146	26.1		8.1		31.1		98.6		6.7		11.2		6		90				<0.2		1.3	
					Bottom	6.7	0.4	133	25.9	25.9	8.1	8.1	31.3	31.3	95.1	95.2	6.5	6.5	32.8		22		92				<0.2		1.2	
						6.7	0.4	141	25.9		8.1		31.3		95.2		6.5		32.5		22		92				<0.2		1.4	
IM10	Cloudy	Moderate	14:08	7.8	Surface	1.0	0.9	129	26.7	26.7	8.0	8.0	29.0	29.1	100.6	100.6	6.9	6.9	2.0	9.0	4	9	86	90	822259	809846	<0.2	<0.2	1.6	1.5
						1.0	0.9	136	26.7		8.0		29.1		100.6		6.9		2.0		4		85				<0.2		1.6	
					Middle	3.9	0.7	114	26.6	26.6	8.0	8.0	29.3	29.3	100.2	100.2	6.8		3.0		8		91				<0.2		1.7	
						3.9	0.7	119	26.6		8.0		29.2		100.2		6.8		3.0		6		90				<0.2		1.7	
					Bottom	6.8	0.5	96	26.0	26.0	8.0	8.0	31.6	31.6	97.4	97.5	6.6	6.6	22.0		18		93				<0.2		1.4	
						6.8	0.5	97	26.0		8.0		31.6		97.5		6.6		21.9		16		93				<0.2		1.2	
IM11	Cloudy	Moderate	14:15	8.0	Surface	1.0	0.8	123	26.3	26.3	8.0	8.0	29.5	29.5	94.4	94.4	6.5	6.5	5.6	10.4	5	9	87	90	821509	810525	<0.2	<0.2	1.5	1.5
						1.0	0.9	125	26.3		8.0		29.5		94.4		6.5		5.6		6		85				<0.2		1.5	
					Middle	4.0	0.7	109	26.1	26.1	8.0	8.0	29.9	29.9	94.2	94.2	6.5		9.0		8		91				<0.2		1.6	
						4.0	0.7	113	26.0		8.0		29.9		94.2		6.5		9.2		7		89				<0.2		1.6	
					Bottom	7.0	0.4	109	25.9	25.9	8.0	8.0	31.5	31.5	95.9	96.0	6.5	6.5	16.4		14		93				<0.2		1.3	
						7.0	0.5	118	25.9		8.0		31.5		96.0		6.5		16.5		14		92				<0.2		1.2	
IM12	Cloudy	Moderate	14:22	8.5	Surface	1.0	0.9	127	26.5	26.5	8.0	8.0	29.5	29.5	94.5	94.5	6.4	6.4	3.7	5.7	5	7	86	89	821169	811503	<0.2	<0.2	1.6	1.5
						1.0	0.9	132	26.5		8.0		29.5		94.4		6.4		3.8		6		85				<0.2		1.6	
					Middle	4.3	0.9	111	26.2	26.2	8.0	8.0	30.1	30.1	92.7	92.7	6.3		5.8		6		90				<0.2		1.6	
						4.3	0.9	111	26.2		8.0		30.1		92.6		6.3		5.9		8		89				<0.2		1.5	
					Bottom	7.5	0.7	92	26.0	26.0	8.0	8.0	30.3	30.3	93.9	94.0	6.4	6.4	7.4		8		93				<0.2		1.4	
						7.5	0.7	99	26.0		8.0		30.3		94.0		6.4		7.5		10		92				<0.2		1.5	
SR2	Cloudy	Moderate	14:43	4.9	Surface	1.0	0.5	131	26.4	26.4	8.0	8.0	29.6	29.6	92.5	92.4	6.3	6.3	5.6	7.8	7	8	86	89	821450	814178	<0.2	<0.2	1.5	1.5
						1.0	0.6	141	26.4		8.0		29.6		92.3		6.3		5.7		6		86				<0.2		1.5	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.5	144	26.0	26.0	8.0	8.0	30.5	30.5	90.7	90.8	6.2	6.2	10.0		9		91				<0.2		1.4	
						3.9	0.5	155	26.0		7.9		30.5		90.8		6.2		10.0		10		92				<0.2		1.5	
SR3	Cloudy	Moderate	13:46	9.2	Surface	1.0	0.3	201	26.6	26.6	8.0	8.0	27.7	27.8	102.0	102.1	7.0	7.0	3.3	8.9	6	7	-	-	822140	807569	-	-	-	-
						1.0	0.3	208	26.6		8.0		27.8		102.1		7.0		3.4		4		-				-		-	
					Middle	4.6	0.4	206	26.7	26.7	8.0	8.0	29.7	29.7	103.8	103.8	7.1		5.6		10		-				-		-	
						4.6	0.4	208	26.6		8.0		29.7		103.7		7.0		5.7		8		-				-		-	
					Bottom	8.2	0.2	166	26.0	26.0	8.0	8.0	30.6	30.6	100.3	100.4	6.9	6.9	17.8		8		-				-		-	
						8.2	0.3	174	26.0		8.0		30.5		100.4		6.9		17.7		8		-				-		-	
SR4A	Fine	Calm	14:38	7.8	Surface	1.0	0.3	108	29.1	29.2	8.1	8.1	30.4	30.4	102.5	102.4	6.6	6.6	7.3	8.9	7	9	-	-	817183	807823	-	-	-	-
						1.0	0.3	115	29.2		8.1		30.3		102.3		6.6		7.0		7		-				-		-	
					Middle	3.9	0.4	91	28.9	28.7	8.1	8.1	30.6	30.8	100.4	100.7	6.5		9.2		8		-				-		-	
						3.9	0.4	93	28.5		8.1		30.9		101.0		6.6		9.2		9		-				-		-	
					Bottom	6.8	0.3	116	28.7	28.7	8.1	8.1	30.8	30.9	100.7	100.8	6.6	6.6	10.6		11		-				-		-	
						6.8	0.3	123	28.6		8.1		30.9		100.9		6.6		10.3		10		-				-		-	
SR5A	Fine	Calm	14:55	4.4	Surface	1.0	0.1	191	29.2	29.2	8.0	8.0	29.1	29.1	95.9	95.9	6.3	6.3	9.3	10.2	6	11	-	-	816587	810688	-	-	-	-
						1.0	0.1	193	29.1		8.0		29.1		95.8		6.3		9.6		6		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	173	28.7	28.7	8.0	8.0	29.3	29.3	99.4	99.6	6.5	6.6	11.0		14		-				-		-	
						3.4	0.2	184	28.7		8.0		29.3		99.8		6.6		10.8		17		-				-		-	
SR6	Fine	Calm	15:20	3.8	Surface	1.0	0.2	132	28.5	28.5	7.9	7.9	29.0	29.0	91.1	91.1	6.0	6.0	10.2	10.3	6	11	-	-	817912	814681	-	-	-	-
						1.0	0.2	143	28.5		7.9		29.0		91.1		6.0		10.1		8		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	110	28.5	28.5	7.9	8.0	29.0	29.0	93.0	93.8	6.1	6.2	10.6		14		-				-		-	
						2.8	0.2	110	28.4		8.0		29.0		94.6		6.3		10.4		16		-				-		-	
SR7	Cloudy	Moderate	15:32	17.4	Surface	1.0	0.9	78	26.5	26.5	8.0	8.0	30.6	30.6	91.2	91.2	6.2	6.1	1.4	1.9	3	4	-	-	823619	823728	-	-	-	-
						1.0	1.0	79	26.5		8.0		30.6		91.1		6.2		1.4		2		-				-		-	
					Middle	8.7	0.7	84	26.3	26.3	8.0	8.0	30.7	30.8	87.7	87.7	6.0		1.9		4		-				-		-	
						8.7	0.7	84	26.2		8.0		30.8		87.6		6.0		1.9		3		-				-		-	
					Bottom	16.4	0.5	70	26.0	26.0	8.0	8.0	31.1	31.1	86.8	86.9	5.9	5.9	2.5		5		-				-		-	
						16.4	0.5	76	26.0		8.0		31.1		86.9		5.9		2.5		4		-				-		-	
SR8	Cloudy	Moderate	14:29	5.5	Surface	1.0	0.3	149	26.4	26.4	8.0	8.0	29.9	29.9	93.0	93.0	6.3	6.3	7.6	9.7	10	11	-	-	820405	811591	-	-	-	-
						1.0	0.3	155	26.4		8.0		29.9		93.0		6.3		7.7		8		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.3	233	25.9	25.9	7.9	7.9	30.3	30.3	95.7	95.8	6.6	6.6	11.8		12		-				-		-	
						4.5	0.3	251	25.9		7.9		30.3		95.9		6.6		11.8		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 16 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 (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Calm	09:44	8.4	Surface	1.0	0.6	46	29.1	28.9	8.0	8.0	30.3	30.5	96.9	97.2	6.3	6.3	11.7	17.3	6	15	80	86	815612	804248	<0.2	<0.2	1.0	0.8
						1.0	0.6	49	28.7		8.0		30.6		97.5		6.4		11.3		6		81				<0.2		1.0	
					Middle	4.2	0.6	49	28.9	28.7	8.0	8.0	31.5	31.7	94.8	95.2	6.1		18.5		8		86				<0.2		0.9	
						4.2	0.7	49	28.5		8.0		31.9		95.5		6.2		17.7		10		87				<0.2		0.9	
					Bottom	7.4	0.6	50	29.0	29.0	8.0	8.0	31.6	31.6	94.7	94.8	6.1	6.1	21.9		30		92				<0.2		0.6	
						7.4	0.6	54	28.9		8.0		31.6		94.8		6.1		22.6		32		92				<0.2		0.6	
C2	Cloudy	Moderate	11:04	11.8	Surface	1.0	0.3	147	26.4	26.4	7.7	7.7	27.6	27.6	89.5	89.5	6.2	6.2	3.8	10.0	4	5	80	85	825666	806947	<0.2	<0.2	2.1	1.9
						1.0	0.4	152	26.4		7.7		27.6		89.4		6.2		3.9		3		83				<0.2		2.1	
					Middle	5.9	0.5	176	26.2	26.2	7.7	7.7	28.2	28.2	88.2	88.2	6.1		7.6		4		85				<0.2		1.8	
						5.9	0.5	189	26.2		7.7		28.2		88.2		6.1		7.7		4		85				<0.2		2.0	
					Bottom	10.8	0.4	219	26.2	26.2	7.7	7.7	29.0	29.0	88.2	88.2	6.1	6.1	18.3		8		87				<0.2		1.8	
						10.8	0.4	226	26.2		7.7		29.0		88.2		6.1		18.4		6		90				<0.2		1.8	
C3	Cloudy	Moderate	09:09	12.2	Surface	1.0	0.5	266	26.2	26.2	7.8	7.8	29.2	29.2	89.3	89.3	6.1	6.1	2.7	4.4	4	4	73	82	822128	817802	<0.2	<0.2	1.2	1.3
						1.0	0.5	291	26.2		7.8		29.2		89.2		6.1		2.7		4		75				<0.2		1.2	
					Middle	6.1	0.6	263	26.1	26.1	7.7	7.7	29.8	29.8	87.4	87.4	6.0		2.6		4		80				<0.2		1.3	
						6.1	0.7	283	26.1		7.7		29.8		87.4		6.0		2.6		5		83				<0.2		1.3	
					Bottom	11.2	0.4	267	26.1	26.1	7.7	7.7	30.6	30.6	87.2	87.2	5.9	6.0	7.9		5		90				<0.2		1.3	
						11.2	0.4	275	26.1		7.7		30.6		87.2		6.0		7.6		4		92				<0.2		1.4	
IM1	Cloudy	Calm	10:09	7.6	Surface	1.0	0.6	122	29.4	29.4	8.0	8.0	29.0	29.0	95.7	95.7	6.2	6.2	10.3	16.2	4	15	73	80	818359	806465	<0.2	<0.2	1.5	1.4
						1.0	0.6	125	29.4		8.0		29.0		95.6		6.2		10.7		5		75				<0.2		1.2	
					Middle	3.8	0.5	141	29.0	28.9	8.0	8.0	30.3	30.4	94.9	95.1	6.2		15.3		6		79				<0.2		1.2	
						3.8	0.6	151	28.8		8.0		30.4		95.2		6.2		14.6		7		81				<0.2		1.2	
					Bottom	6.6	0.5	172	28.9	28.7	8.0	8.0	30.4	30.6	93.9	94.3	6.1	6.2	22.6		33		87				<0.2		1.5	
						6.6	0.5	185	28.5		8.0		30.8		94.6		6.2		23.7		32		84				<0.2		1.6	
IM2	Cloudy	Calm	10:14	7.9	Surface	1.0	0.6	120	29.2	29.3	8.0	8.0	29.0	29.0	96.7	96.6	6.3	6.3	8.5	15.5	5	12	73	79	818859	806178	<0.2	<0.2	1.9	1.4
						1.0	0.6	129	29.3		8.0		28.9		96.4		6.3		8.7		4		70				<0.2		1.6	
					Middle	4.0	0.6	86	29.0	28.8	8.0	8.0	30.3	30.5	94.9	95.3	6.2		16.3		6		78				<0.2		1.2	
						4.0	0.6	87	28.5		8.0		30.6		95.6		6.3		16.7		6		81				<0.2		1.4	
					Bottom	6.9	0.4	173	29.0	29.0	8.0	8.0	30.4	30.5	95.5	95.6	6.2	6.2	21.5		24		87				<0.2		1.0	
						6.9	0.4	186	29.0		8.0		30.5		95.6		6.2		21.4		25		85				<0.2		1.1	
IM3	Cloudy	Calm	10:21	7.4	Surface	1.0	0.4	219	29.2	29.0	8.0	8.0	28.8	29.0	97.0	97.4	6.3	6.3	4.7	8.3	5	10	74	79	819393	806021	<0.2	<0.2	1.2	1.3
						1.0	0.5	231	28.8		8.0		29.1		97.7		6.4		4.8		4		73				<0.2		0.9	
					Middle	3.7	0.6	125	29.2	29.2	8.0	8.0	29.2	29.2	96.1	96.1	6.3		6.9		6		82				<0.2		1.3	
						3.7	0.6	136	29.1		8.0		29.2		96.1		6.3		7.1		6		80				<0.2		1.4	
					Bottom	6.4	0.4	133	29.0	29.0	8.0	8.0	30.6	30.6	95.8	96.0	6.2	6.3	13.6		20		82				<0.2		1.6	
						6.4	0.5	146	29.0		8.0		30.5		96.2		6.3		12.4		20		84				<0.2		1.5	
IM4	Cloudy	Calm	10:31	7.3	Surface	1.0	0.5	174	29.2	29.3	8.0	8.0	29.0	29.0	97.9	97.7	6.4	6.4	6.8	12.6	6	9	74	79	819577	805024	<0.2	<0.2	0.9	1.3
						1.0	0.5	187	29.3		8.0		28.9		97.5		6.4		7.6		5		75				<0.2		1.2	
					Middle	3.7	0.5	117	28.5	28.8	8.0	8.0	30.5	30.3	97.2	96.9	6.4		10.8		5		78				<0.2		1.3	
						3.7	0.6	126	29.0		8.0		30.1		96.5		6.3		11.0		5		79				<0.2		1.3	
					Bottom	6.3	0.5	140	28.9	28.9	8.0	8.0	30.2	30.3	96.0	96.3	6.3	6.3	19.1		15		84				<0.2		1.6	
						6.3	0.5	150	28.8		8.0		30.3		96.6		6.3		20.1		17		86				<0.2		1.6	
IM5	Cloudy	Calm	10:38	6.8	Surface	1.0	0.5	207	28.8	29.0	8.0	8.0	28.9	28.8	96.0	95.7	6.3	6.2	10.3	16.2	6	16	73	82	820555	804939	<0.2	<0.2	1.6	1.4
						1.0	0.6	213	29.1		8.0		28.7		95.3		6.2		10.8		7		78				<0.2		1.7	
					Middle	3.4	0.6	88	28.5	28.8	8.0	8.0	30.3	30.2	94.3	94.0	6.2		16.4		7		81				<0.2		1.5	
						3.4	0.6	92	29.0		8.0		30.0		93.6		6.1		16.0		6		83				<0.2		1.4	
					Bottom	5.8	0.5	109	29.0	28.9	8.0	8.0	30.1	30.2	93.9	94.1	6.1	6.2	21.6		34		87				<0.2		1.3	
						5.8	0.5	112	28.8		8.0		30.2		94.3		6.2		22.1		34		87				<0.2		1.0	
IM6	Cloudy	Calm	10:45	6.7	Surface	1.0	0.5	160	29.0	29.2	8.0	8.0	28.0	27.9	96.1	95.8	6.3	6.2	5.1	10.8	5	7	78	82	821054	805838	<0.2	<0.2	1.6	1.7
						1.0	0.6	169	29.4		8.0		27.7		95.5		6.3		5.0		4		76				<0.2		1.4	
					Middle	3.4	0.6	67	29.2	29.2	8.0	8.0	28.8	28.9	93.9	93.7	6.1		10.4		5		82				<0.2		1.7	
						3.4	0.6	70	29.2		8.0		28.9		93.5		6.1		10.9		5		83				<0.2		1.7	
					Bottom	5.7	0.4	90	28.5	28.7	8.0	8.0	30.4	30.3	93.6	93.6	6.1	6.1	16.8		11		85				<0.2		1.9	
						5.7	0.4	96	28.8		8.0		30.2		93.6		6.1		16.7		10		88				<0.2		1.9	
IM7	Cloudy	Calm	10:53	7.9	Surface	1.0	0.4	159	29.3	29.3	7.9	8.0	27.4	27.4	93.9	94.0	6.2	6.2	4.8	9.7	4	4	75	80	821341	806822	<0.2	<0.2	2.0	1.9
						1.0	0.4	169	29.2		8.0		27.4		94.1		6.2		5.4		3		73				<0.2		2.1	
					Middle	4.0	0.5	98	29.0	29.1	8.0	8.0	28.8	28.8	93.2	93.1	6.1		8.9		4		79				<0.2		1.9	
						4.0	0.6	103	29.1		8.0		28.7		93.0		6.1		9.1		3		82				<0.2		2.0	
					Bottom	6.9	0.5	60	29.0	29.0	8.0	8.0	30.3	30.3	93.0	93.3	6.1	6.1	15.5		5		86				<0.2		1.7	
						6.9	0.5	60	28.9		8.0		30.3		93.5		6.1		14.7		4		87				<0.2		1.8	
IM8	Cloudy	Moderate	10:27	8.2	Surface	1.0	0.3	213	26.5	26.5	7.7	7.7	27.7	27.7	93.1	93.1	6.4	6.4	1.5	5.3	4	3	75	80	821683	807843	<0.2	<0.2	2.0	1.9
						1.0	0.3	216	26.5		7.7		27.7		93.1		6.4		1.5		3		76				<0.2		1.7	
					Middle	4.1	0.3	212	26.4	26.4	7.7	7.7	28.0	28.0	92.2	92.2	6.4		4.7		3		79				<0.2		2.1	
						4.1	0.3	214	26.4		7.7		28.0		92.2		6.4		4.9		2		80				<0.2		1.8	
					Bottom	7.2	0.3	197	26.2	26.2	7.7	7.7	28.5	28.5	95.0	95.1	6.5	6.6	9.6		3		83				<0.2		1.9	
						7.2	0.3	197	26.2		7.7		28.5		95.2		6.6		9.7		3		86				<0.2		1.6	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:18	7.5	Surface	1.0	0.3	289	26.4	26.4	7.8	7.8	28.9	28.9	93.4	93.5	6.4	6.4	5.7	8.0	6	7	74	79	822107	808822	<0.2	<0.2	1.8	1.7
						1.0	0.3	310	26.4		7.8		28.9		93.5		6.4		5.7		5		76				<0.2		1.7	
					Middle	3.8	0.4	306	26.4	26.4	7.8	7.8	28.9	28.9	93.0	93.0	6.4		6.9		6		77				<0.2		1.6	
						3.8	0.4	308	26.4		7.8		28.9		93.0		6.4		6.9		5		78				<0.2		1.7	
					Bottom	6.5	0.3	310	26.3	26.3	7.7	7.7	28.9	28.9	92.5	92.6	6.3	6.4	11.3		10		83				<0.2		1.6	
						6.5	0.3	335	26.3		7.7		28.9		92.6		6.4		11.3		9		84				<0.2		1.6	
IM10	Cloudy	Moderate	10:10	7.4	Surface	1.0	0.6	290	26.4	26.4	7.8	7.8	29.2	29.2	95.8	95.8	6.5	6.5	6.6	12.4	9	9	70	77	822222	809854	<0.2	<0.2	1.3	1.4
						1.0	0.6	312	26.4		7.8		29.2		95.7		6.5		6.7		10		73				<0.2		1.3	
					Middle	3.7	0.6	292	26.2	26.2	7.8	7.8	29.3	29.3	93.8	93.8	6.4		10.1		8		74				<0.2		1.4	
						3.7	0.6	310	26.2		7.8		29.3		93.8		6.4		10.1		9		76				<0.2		1.4	
					Bottom	6.4	0.4	282	26.2	26.2	7.8	7.8	29.4	29.4	93.6	93.6	6.4	6.4	20.3		10		84				<0.2		1.4	
						6.4	0.5	308	26.2		7.8		29.4		93.6		6.4		20.4		8		85				<0.2		1.4	
IM11	Cloudy	Moderate	10:02	7.4	Surface	1.0	0.5	248	26.3	26.3	7.8	7.8	29.5	29.5	94.5	94.5	6.5	6.5	11.6	15.4	13	14	73	80	821484	810553	<0.2	<0.2	1.2	1.3
						1.0	0.5	249	26.3		7.8		29.5		94.4		6.5		11.6		13		75				<0.2		1.1	
					Middle	3.7	0.6	263	26.3	26.3	7.8	7.8	29.5	29.5	93.6	93.6	6.4		14.0		14		80				<0.2		1.3	
						3.7	0.6	272	26.3		7.8		29.5		93.5		6.4		14.2		12		82				<0.2		1.4	
					Bottom	6.4	0.5	250	26.2	26.2	7.8	7.8	29.5	29.5	92.9	93.0	6.4	6.4	20.5		16		85				<0.2		1.3	
						6.4	0.5	265	26.2		7.8		29.5		93.0		6.4		20.6		14		83				<0.2		1.4	
IM12	Cloudy	Moderate	09:55	8.3	Surface	1.0	0.7	289	26.4	26.4	7.8	7.8	29.3	29.3	94.4	94.4	6.4	6.4	6.7	11.5	7	8	73	80	821173	811516	<0.2	<0.2	1.6	1.5
						1.0	0.8	302	26.4		7.8		29.3		94.4		6.4		6.8		7		75				<0.2		1.6	
					Middle	4.2	0.7	272	26.4	26.4	7.8	7.8	29.5	29.5	93.6	93.6	6.4		9.5		10		78				<0.2		1.6	
						4.2	0.8	279	26.4		7.8		29.5		93.5		6.4		9.7		8		77				<0.2		1.4	
					Bottom	7.3	0.6	276	26.3	26.3	7.8	7.8	29.6	29.6	91.7	91.7	6.3	6.3	18.1		9		92				<0.2		1.4	
						7.3	0.6	301	26.3		7.8		29.6		91.7		6.3		18.1		8		87				<0.2		1.3	
SR2	Cloudy	Moderate	09:31	5.2	Surface	1.0	0.2	239	26.4	26.4	7.8	7.8	29.3	29.3	93.9	93.9	6.4	6.4	8.3	11.3	9	8	78	81	821458	814176	<0.2	<0.2	1.4	1.5
						1.0	0.2	242	26.4		7.8		29.3		93.9		6.4		8.5		8		80				<0.2		1.4	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	121	26.3	26.3	7.8	7.8	29.5	29.5	92.9	93.0	6.4	6.4	14.2		8		82				<0.2		1.6	
						4.2	0.2	127	26.3		7.8		29.5		93.0		6.4		14.2		8		84				<0.2		1.5	
SR3	Cloudy	Moderate	10:33	9.4	Surface	1.0	0.4	215	26.5	26.5	7.7	7.7	27.6	27.6	91.6	91.6	6.3	6.3	3.0	6.4	2	3	-	-	822132	807551	-	-	-	-
						1.0	0.4	220	26.5		7.7		27.6		91.6		6.3		3.1		3		-				-		-	
					Middle	4.7	0.3	250	26.4	26.4	7.7	7.7	27.8	27.8	90.3	90.3	6.2		4.0		3		-				-		-	
						4.7	0.4	253	26.3		7.7		27.8		90.2		6.2		4.0		3		-				-		-	
					Bottom	8.4	0.3	185	26.2	26.2	7.7	7.7	28.4	28.4	90.1	90.2	6.2	6.2	12.0		3		-				-		-	
						8.4	0.3	200	26.2		7.7		28.4		90.2		6.2		12.0		3		-				-		-	
SR4A	Cloudy	Calm	09:22	8.6	Surface	1.0	0.5	244	29.1	28.9	8.0	8.0	30.2	30.4	97.6	97.9	6.3	6.3	9.2	16.9	5	13	-	-	817177	807802	-	-	-	-
						1.0	0.5	254	28.7		8.0		30.5		98.2		6.4		9.5		7		-				-		-	
					Middle	4.3	0.5	246	29.0	29.0	8.0	8.0	31.4	31.4	95.4	95.4	6.2		18.1		9		-				-		-	
						4.3	0.5	266	28.9		8.0		31.4		95.4		6.2		18.9		10		-				-		-	
					Bottom	7.6	0.4	243	29.0	29.0	8.0	8.0	31.6	31.6	94.8	94.9	6.1	6.1	23.4		23		-				-		-	
						7.6	0.4	260	29.0		8.0		31.6		94.9		6.1		22.5		22		-				-		-	
SR5A	Cloudy	Calm	09:05	4.6	Surface	1.0	0.3	308	29.1	29.2	8.0	8.0	29.3	29.3	91.6	91.6	6.0	6.0	8.5	9.2	11	12	-	-	816603	810686	-	-	-	-
						1.0	0.3	310	29.2		8.0		29.3		91.6		6.0		8.5		12		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	313	28.6	28.9	8.0	8.0	29.5	29.4	92.5	92.3	6.1	6.1	9.8		11		-				-		-	
						3.6	0.3	338	29.1		8.0		29.3		92.0		6.0		9.9		12		-				-		-	
SR6	Cloudy	Calm	08:42	4.4	Surface	1.0	0.2	253	28.8	28.8	8.0	8.0	29.4	29.4	91.2	91.2	6.0	6.0	7.1	7.7	9	11	-	-	817890	814676	-	-	-	-
						1.0	0.2	259	28.8		8.0		29.3		91.2		6.0		6.8		10		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	254	28.8	28.8	8.0	8.0	29.3	29.3	90.1	90.2	5.9	5.9	8.6		13		-				-		-	
						3.4	0.2	263	28.7		7.9		29.3		90.3		5.9		8.2		13		-				-		-	
SR7	Cloudy	Moderate	08:39	17.1	Surface	1.0	0.2	154	26.1	26.1	7.8	7.8	29.2	29.2	85.5	85.5	5.9	5.9	4.0	5.3	5	6	-	-	823650	823745	-	-	-	-
						1.0	0.2	165	26.1		7.8		29.2		85.4		5.9		4.1		4		-				-		-	
					Middle	8.6	0.2	150	26.0	26.0	7.7	7.7	29.7	29.7	84.2	84.2	5.8		5.3		6		-				-		-	
						8.6	0.2	160	26.0		7.7		29.7		84.2		5.8		5.3		7		-				-		-	
					Bottom	16.1	0.1	129	26.0	26.0	7.7	7.7	29.8	29.8	84.3	84.3	5.8	5.8	6.4		8		-				-		-	
						16.1	0.2	131	26.0		7.7		29.8		84.3		5.8		6.4		7		-				-		-	
SR8	Cloudy	Moderate	09:47	5.3	Surface	1.0	0.2	272	26.3	26.3	7.8	7.8	28.7	28.7	94.3	94.3	6.5	6.5	9.1	12.1	7	10	-	-	820412	811611	-	-	-	-
						1.0	0.2	294	26.3		7.8		28.7		94.3		6.5		9.1		9		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.3	263	26.3	26.3	7.8	7.8	29.0	29.0	92.9	92.9	6.4	6.4	15.0		13		-				-		-	
						4.3	0.3	267	26.3		7.8		29.0		92.9		6.4		15.2		11		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Calm	16:04	8.1	Surface	1.0	0.3	201	29.3	29.3	8.1	8.1	31.1	31.1	105.8	105.7	6.8	6.7	3.4	5.5	5	5	83	88	815622	804253	<0.2	<0.2	0.8	0.6
						1.0	0.4	213	29.3		8.1		31.1		105.6		6.8		3.5		6		83				<0.2		0.7	
					Middle	4.1	0.4	191	29.0	28.8	8.1	8.1	31.7	31.9	102.0	101.9	6.6		4.8		4		86				<0.2		0.6	
						4.1	0.4	203	28.6		8.1		32.0		101.8		6.6		5.3		4		88				<0.2		0.6	
					Bottom	7.1	0.4	220	28.5	28.7	8.1	8.1	33.0	32.9	99.7	99.9	6.4	6.4	8.4		5		94				<0.2		0.5	
						7.1	0.4	241	28.9		8.1		32.7		100.0		6.4		7.5		6		93				<0.2		0.5	
C2	Cloudy	Moderate	14:16	11.9	Surface	1.0	0.3	181	26.6	26.6	7.7	7.7	27.9	27.9	90.2	90.2	6.2	6.2	2.1	6.2	3	3	79	85	825667	806947	<0.2	<0.2	1.9	1.8
						1.0	0.4	191	26.6		7.7		27.9		90.2		6.2		2.1		3		80				<0.2		1.9	
					Middle	6.0	0.3	159	26.4	26.4	7.7	7.7	28.2	28.2	89.2	89.2	6.1		2.3		4		80				<0.2		1.9	
						6.0	0.3	173	26.4		7.7		28.2		89.2		6.1		2.3		3		83				<0.2		1.7	
					Bottom	10.9	0.2	190	26.2	26.2	7.7	7.7	29.3	29.3	86.7	86.7	5.9	5.9	14.0		4		94				<0.2		1.7	
						10.9	0.2	197	26.2		7.7		29.3		86.7		5.9		14.2		3		92				<0.2		1.9	
C3	Cloudy	Moderate	16:12	12.4	Surface	1.0	0.3	86	27.0	27.0	7.8	7.8	30.7	30.7	93.1	93.0	6.2	6.1	1.8	2.3	2	3	84	84	822090	817790	<0.2	<0.2	1.2	1.0
						1.0	0.4	89	27.0		7.8		30.7		92.8		6.2		1.8		4		83				<0.2		1.1	
					Middle	6.2	0.3	109	26.2	26.2	7.8	7.8	32.0	32.0	86.7	86.7	5.9		2.4		3		84				<0.2		1.0	
						6.2	0.3	114	26.2		7.8		32.0		86.7		5.9		2.5		4		85				<0.2		1.0	
					Bottom	11.4	0.2	117	26.1	26.1	7.8	7.8	32.2	32.2	87.9	88.0	5.9	6.0	2.6		3		83				<0.2		0.8	
						11.4	0.3	125	26.1		7.8		32.2		88.1		6.0		2.6		3		85				<0.2		0.8	
IM1	Cloudy	Calm	15:30	7.1	Surface	1.0	0.3	186	29.4	29.4	7.9	7.9	27.7	27.7	96.6	96.7	6.3	6.3	3.5	6.5	4	5	77	85	818341	806456	<0.2	<0.2	1.6	1.6
						1.0	0.3	187	29.3		7.9		27.7		96.7		6.3		3.8		5		79				<0.2		1.7	
					Middle	3.6	0.3	164	29.3	29.3	8.0	8.0	27.8	27.9	96.1	96.0	6.3		6.8		5		85				<0.2		1.6	
						3.6	0.3	168	29.2		8.0		27.9		95.9		6.3		7.2		6		86				<0.2		1.7	
					Bottom	6.1	0.3	180	28.9	29.0	8.0	8.0	30.4	30.4	95.8	96.0	6.2	6.3	8.7		6		91				<0.2		1.6	
						6.1	0.3	193	29.0		8.0		30.4		96.2		6.3		8.8		4		92				<0.2		1.6	
IM2	Cloudy	Calm	15:22	7.3	Surface	1.0	0.4	178	29.3	29.3	8.0	8.0	27.7	27.7	97.4	97.4	6.4	6.4	4.0	5.7	4	5	80	85	818871	806211	<0.2	<0.2	1.6	1.7
						1.0	0.4	190	29.3		8.0		27.7		97.4		6.4		4.2		4		78				<0.2		1.7	
					Middle	3.7	0.3	155	29.2	29.2	8.0	8.0	28.8	28.8	96.1	96.1	6.3		6.4		5		85				<0.2		1.7	
						3.7	0.4	169	29.1		8.0		28.8		96.0		6.3		6.7		4		87				<0.2		1.8	
					Bottom	6.3	0.3	178	29.0	29.0	8.0	8.0	30.3	30.3	96.0	96.1	6.2	6.2	6.4		7		90				<0.2		1.6	
						6.3	0.3	187	29.0		8.0		30.3		96.1		6.2		6.2		8		92				<0.2		1.6	
IM3	Cloudy	Calm	15:10	7.0	Surface	1.0	0.3	173	29.3	29.3	7.9	7.9	27.8	27.8	97.1	97.1	6.4	6.4	3.4	6.5	4	5	77	84	819420	806008	<0.2	<0.2	1.5	1.6
						1.0	0.3	184	29.3		7.9		27.8		97.1		6.4		3.8		4		80				<0.2		1.5	
					Middle	3.5	0.3	164	29.2	29.2	8.0	8.0	28.2	28.2	96.0	96.0	6.3		6.2		4		84				<0.2		1.8	
						3.5	0.3	179	29.2		8.0		28.2		96.0		6.3		6.4		4		86				<0.2		1.7	
					Bottom	6.0	0.3	169	29.0	29.0	8.0	8.0	30.4	30.4	95.5	95.6	6.2	6.2	9.6		7		88				<0.2		1.7	
						6.0	0.3	171	28.9		8.0		30.4		95.6		6.2		9.5		5		90				<0.2		1.6	
IM4	Cloudy	Calm	14:56	7.1	Surface	1.0	0.3	174	29.3	29.3	7.9	8.0	27.7	27.8	97.3	97.4	6.4	6.4	4.0	7.4	3	5	78	84	819581	805030	<0.2	<0.2	1.8	1.7
						1.0	0.4	183	29.3		8.0		27.8		97.4		6.4		4.3		5		79				<0.2		1.6	
					Middle	3.6	0.3	168	29.2	29.2	8.0	8.0	28.8	28.8	96.4	96.2	6.3		7.5		4		84				<0.2		1.6	
						3.6	0.3	183	29.2		8.0		28.7		95.9		6.3		7.8		6		86				<0.2		1.7	
					Bottom	6.1	0.3	177	28.6	28.8	8.0	8.0	30.6	30.5	96.4	96.5	6.3	6.3	10.9		5		87				<0.2		1.8	
						6.1	0.3	193	28.9		8.0		30.3		96.5		6.3		9.9		5		89				<0.2		1.7	
IM5	Cloudy	Calm	14:34	6.3	Surface	1.0	0.4	150	29.4	29.2	8.0	8.0	27.7	27.8	97.2	97.5	6.4	6.4	4.5	7.4	3	3	80	85	820578	804938	<0.2	<0.2	1.8	1.8
						1.0	0.5	163	29.0		8.0		27.9		97.8		6.4		4.7		4		78				<0.2		1.9	
					Middle	3.2	0.4	157	29.3	29.3	8.0	8.0	28.7	28.7	96.3	96.1	6.3		7.0		3		86				<0.2		1.7	
						3.2	0.4	171	29.3		8.0		28.6		95.8		6.3		7.8		3		87				<0.2		1.8	
					Bottom	5.3	0.3	162	29.0	29.0	8.0	8.0	30.5	30.5	95.7	96.0	6.2	6.3	10.9		3		90				<0.2		1.7	
						5.3	0.4	167	29.0		8.0		30.4		96.3		6.3		9.5		3		90				<0.2		1.7	
IM6	Cloudy	Calm	14:23	6.5	Surface	1.0	0.4	158	29.4	29.4	8.0	8.0	28.1	28.1	97.7	97.8	6.4	6.4	2.8	4.5	5	5	80	85	821048	805831	<0.2	<0.2	1.7	1.7
						1.0	0.4	173	29.4		8.0		28.1		97.8		6.4		2.9		4		82				<0.2		1.7	
					Middle	3.3	0.4	152	29.3	29.1	8.0	8.0	28.7	28.8	97.5	97.8	6.4		4.2		4		86				<0.2		1.8	
						3.3	0.4	159	28.9		8.0		28.9		98.0		6.4		4.4		4		85				<0.2		1.6	
					Bottom	5.5	0.3	128	29.1	28.9	8.0	8.0	30.2	30.4	96.7	97.3	6.3	6.4	6.3		6		88				<0.2		1.6	
						5.5	0.3	131	28.6		8.0		30.6		97.8		6.4		6.4		5		90				<0.2		1.6	
IM7	Cloudy	Calm	14:15	7.4	Surface	1.0	0.3	130	29.2	29.3	7.9	7.9	27.5	27.5	94.6	94.6	6.2	6.2	3.2	8.4	4	5	78	84	821360	806841	<0.2	<0.2	2.0	1.7
						1.0	0.3	138	29.3		7.9		27.4		94.6		6.2		3.4		5		79				<0.2		1.8	
					Middle	3.7	0.3	121	29.3	29.3	8.0	8.0	28.1	28.1	94.6	94.6	6.2		6.8		6		85				<0.2		1.6	
						3.7	0.3	131	29.2		8.0		28.0		94.5		6.2		6.7		7		85				<0.2		1.8	
					Bottom	6.4	0.3	108	29.0	29.0	8.0	8.0	30.3	30.3	94.2	94.6	6.1	6.2	15.6		4		90				<0.2		1.7	
						6.4	0.4	108	29.0		8.0		30.3		95.0		6.2		14.5		6		88				<0.2		1.4	
IM8	Cloudy	Moderate	14:54	8.8	Surface	1.0	0.4	131	26.7	26.7	7.8	7.8	28.0	28.0	98.5	98.5	6.7	6.7	3.1	7.1	3	4	83	82	821711	807838	<0.2	<0.2	1.9	1.9
						1.0	0.4	134	26.7		7.8		28.0		98.5		6.7		3.1		3		79				<0.2		1.9	
					Middle	4.4	0.4	146	26.5	26.5	7.8	7.8	29.1	29.1	98.4	98.4	6.7		4.5		4		81				<0.2		1.9	
						4.4	0.4	160	26.5		7.8		29.1		98.4		6.7		4.6		3		83				<0.2		1.8	
					Bottom	7.8	0.4	73	26.3	26.3	7.8	7.8	30.8	30.8	98.2	98.3	6.7	6.7	13.8		6		84				<0.2		1.9	
						7.8	0.4	79	26.2		7.8		30.8		98.3		6.7		13.5		6		84				<0.2		1.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 October 16 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	15:03	7.3	Surface	1.0	0.5	137	26.4	26.4	7.8	7.8	28.9	28.9	94.8	94.8	6.5	6.5	4.9	7.0	6	7	82	84	822089	808806	<0.2	<0.2	1.8	1.7
						1.0	0.5	148	26.4		7.8		28.9		94.8		6.5		4.9		6		82				<0.2		1.8	
					Middle	3.7	0.5	122	26.3	26.3	7.8	7.8	29.2	29.2	94.1	94.1	6.4		6.7		9		84				<0.2		1.7	
						3.7	0.5	133	26.3		7.8		29.2		94.1		6.4		6.8		8		84				<0.2		1.5	
					Bottom	6.3	0.4	92	26.2	26.2	7.8	7.8	29.7	29.7	93.5	93.5	6.4	6.4	9.4		6		85				<0.2		1.5	
						6.3	0.4	94	26.2		7.8		29.7		93.5		6.4		9.3		9		86				<0.2		1.6	
IM10	Cloudy	Moderate	15:10	7.4	Surface	1.0	0.6	106	26.5	26.5	7.8	7.8	29.9	29.9	95.1	95.1	6.5	6.4	6.1	9.6	7	9	77	80	822226	809848	<0.2	<0.2	1.4	1.4
						1.0	0.6	109	26.5		7.8		29.9		95.0		6.5		6.1		7		76				<0.2		1.3	
					Middle	3.7	0.6	102	26.3	26.3	7.8	7.8	30.0	30.0	92.8	92.9	6.3		8.7		8		79				<0.2		1.4	
						3.7	0.7	109	26.3		7.8		30.0		93.0		6.3		9.0		8		82				<0.2		1.3	
					Bottom	6.4	0.5	97	26.3	26.3	7.8	7.8	30.0	30.0	95.5	95.6	6.5	6.5	13.7		11		85				<0.2		1.3	
						6.4	0.5	100	26.3		7.8		30.0		95.7		6.5		14.0		11		83				<0.2		1.6	
IM11	Cloudy	Moderate	15:18	7.6	Surface	1.0	0.6	140	26.8	26.8	7.8	7.8	29.8	29.8	99.9	99.9	6.8	6.7	4.3	4.9	6	5	75	80	821510	810544	<0.2	<0.2	1.4	1.4
						1.0	0.7	142	26.8		7.8		29.8		99.8		6.8		4.4		6		75				<0.2		1.4	
					Middle	3.8	0.6	159	26.8	26.8	7.8	7.8	30.0	30.0	98.1	98.1	6.6		4.2		5		79				<0.2		1.4	
						3.8	0.6	166	26.8		7.8		30.0		98.1		6.6		4.2		5		80				<0.2		1.3	
					Bottom	6.6	0.6	139	26.3	26.3	7.8	7.8	30.2	30.2	95.5	95.6	6.5	6.5	6.2		5		85				<0.2		1.4	
						6.6	0.6	150	26.3		7.8		30.2		95.7		6.5		6.3		5		85				<0.2		1.3	
IM12	Cloudy	Moderate	15:26	8.2	Surface	1.0	0.7	110	26.5	26.5	7.8	7.8	30.0	30.0	93.7	93.7	6.4	6.4	6.2	8.3	7	7	70	76	821157	811515	<0.2	<0.2	1.7	1.4
						1.0	0.8	113	26.4		7.8		30.0		93.6		6.4		6.3		7		73				<0.2		1.5	
					Middle	4.1	0.7	107	26.3	26.3	7.8	7.8	30.1	30.1	91.9	91.9	6.3		8.2		6		75				<0.2		1.4	
						4.1	0.7	108	26.3		7.8		30.1		91.9		6.3		8.5		6		75				<0.2		1.2	
					Bottom	7.2	0.5	98	26.3	26.3	7.8	7.8	30.1	30.1	92.2	92.3	6.3	6.3	10.2		8		81				<0.2		1.3	
						7.2	0.5	101	26.3		7.8		30.1		92.3		6.3		10.4		7		82				<0.2		1.2	
SR2	Cloudy	Moderate	15:48	4.6	Surface	1.0	0.5	89	26.5	26.5	7.8	7.8	30.2	30.2	95.4	95.4	6.5	6.5	3.9	6.2	5	4	77	82	821481	814180	<0.2	<0.2	1.2	1.3
						1.0	0.6	92	26.5		7.8		30.2		95.3		6.5		4.0		4		80				<0.2		1.4	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	111	26.3	26.3	7.8	7.8	30.5	30.5	91.5	91.6	6.2	6.2	8.5		4		84				<0.2		1.2	
						3.6	0.4	119	26.3		7.8		30.5		91.6		6.2		8.5		4		85				<0.2		1.4	
SR3	Cloudy	Moderate	14:49	9.3	Surface	1.0	0.4	156	26.6	26.6	7.8	7.8	28.1	28.1	96.0	96.0	6.6	6.6	2.5	9.7	4	7	-	-	822142	807578	-	-	-	-
						1.0	0.4	169	26.6		7.7		28.1		96.0		6.6		2.6		5		-				-		-	
					Middle	4.7	0.4	167	26.4	26.4	7.8	7.8	29.1	29.1	96.3	96.3	6.6		6.3		4		-				-		-	
						4.7	0.4	170	26.4		7.8		29.1		96.3		6.6		6.4		5		-				-		-	
					Bottom	8.3	0.3	130	26.2	26.2	7.8	7.8	30.9	30.9	95.3	95.5	6.5	6.5	19.8		11		-				-		-	
						8.3	0.3	139	26.2		7.8		30.9		95.6		6.5		20.6		13		-				-		-	
SR4A	Cloudy	Calm	16:34	8.0	Surface	1.0	0.4	101	29.6	29.6	8.0	8.0	30.0	30.1	106.6	106.4	6.9	6.8	5.5	8.4	6	9	-	-	817201	807808	-	-	-	-
						1.0	0.4	103	29.5		8.0		30.1		106.2		6.9		5.5		6		-				-		-	
					Middle	4.0	0.4	98	29.3	29.3	8.0	8.0	30.1	30.1	103.3	103.1	6.7		7.3		9		-				-		-	
						4.0	0.4	100	29.3		8.0		30.1		102.8		6.7		8.2		11		-				-		-	
					Bottom	7.0	0.4	107	29.3	29.3	8.0	8.0	29.9	29.9	99.1	98.7	6.4	6.4	11.3		11		-				-		-	
						7.0	0.4	111	29.3		8.0		29.9		98.2		6.4		12.4		13		-				-		-	
SR5A	Cloudy	Calm	16:44	4.1	Surface	1.0	0.1	128	28.8	28.8	8.0	8.0	29.4	29.4	97.2	97.5	6.4	6.4	3.6	5.1	4	4	-	-	816584	810712	-	-	-	-
						1.0	0.1	133	28.8		8.0		29.3		97.8		6.4		3.8		3		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	148	28.8	28.8	8.0	8.0	29.3	29.3	96.6	96.3	6.3	6.3	6.6		4		-				-		-	
						3.1	0.2	161	28.7		7.9		29.3		95.9		6.3		6.2		3		-				-		-	
SR6	Cloudy	Calm	17:00	4.2	Surface	1.0	0.2	109	29.1	29.2	8.0	8.0	29.3	29.3	96.9	97.2	6.3	6.4	3.2	4.6	3	5	-	-	817879	814682	-	-	-	-
						1.0	0.2	119	29.2		8.0		29.3		97.5		6.4		3.3		2		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	111	28.6	28.9	8.0	8.0	29.5	29.4	94.8	95.2	6.1	6.2	5.8		7		-				-		-	
						3.2	0.2	115	29.1		8.0		29.3		95.5		6.2		5.9		6		-				-		-	
SR7	Cloudy	Moderate	16:45	17.6	Surface	1.0	0.6	62	27.1	27.1	7.8	7.8	30.9	30.9	93.7	93.6	6.3	6.1	1.4	2.0	3	4	-	-	823620	823728	-	-	-	-
						1.0	0.6	65	27.1		7.8		30.9		93.5		6.3		1.4		4		-				-		-	
					Middle	8.8	0.5	63	26.2	26.2	7.8	7.8	32.1	32.1	86.0	86.0	5.8		2.1		4		-				-		-	
						8.8	0.5	65	26.2		7.8		32.1		85.9		5.8		2.1		5		-				-		-	
					Bottom	16.6	0.5	59	26.1	26.1	7.8	7.8	32.3	32.3	85.2	85.2	5.8	5.8	2.5		4		-				-		-	
						16.6	0.5	63	26.1		7.8		32.3		85.2		5.8		2.4		4		-				-		-	
SR8	Cloudy	Moderate	15:34	5.4	Surface	1.0	0.3	219	26.4	26.4	7.8	7.8	29.9	29.9	94.4	94.4	6.4	6.4	5.3	5.4	8	10	-	-	820433	811581	-	-	-	-
						1.0	0.3	239	26.4		7.8		29.9		94.4		6.4		5.3		7		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	217	26.3	26.3	7.8	7.8	30.2	30.2	93.3	93.3	6.4	6.4	5.4		11		-				-		-	
						4.4	0.3	224	26.3		7.8		30.2		93.3		6.4		5.4		13		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Calm	12:00	8.4	Surface	1.0	0.3	102	28.9	28.7	8.0	8.0	30.4	30.6	100.2	100.5	6.5	6.6	2.8	3.5	6	6	77	84	815600	804255	<0.2	<0.2	1.0	0.9
						1.0	0.4	110	28.5		8.0		30.7		100.8		6.6		2.9		5		79				<0.2		1.0	
					Middle	4.2	0.6	62	28.5	28.8	8.0	8.0	30.7	30.6	100.2	99.9	6.6		3.4		6		82				<0.2		1.0	
						4.2	0.6	66	29.0		8.0		30.4		99.5		6.5		3.2		7		84				<0.2		0.8	
					Bottom	7.4	0.3	98	29.0	28.9	8.0	8.0	30.8	30.9	99.1	99.3	6.4	6.5	4.4		8		90				<0.2		0.8	
						7.4	0.4	100	28.8		8.0		30.9		99.5		6.5		4.5		6		92				<0.2		0.9	
C2	Cloudy	Rough	13:28	12.1	Surface	1.0	0.4	160	26.3	26.3	7.8	7.8	27.3	27.3	91.1	91.1	6.3	6.2	2.4	5.4	6	7	82	88	825698	806949	<0.2	<0.2	1.8	1.4
						1.0	0.4	162	26.3		7.8		27.3		91.0		6.3		2.3		4		83				<0.2		1.9	
					Middle	6.1	0.2	188	26.4	26.4	7.8	7.8	30.6	30.6	89.5	89.5	6.1		4.2		5		91				<0.2		1.3	
						6.1	0.3	201	26.4		7.8		30.6		89.5		6.1		4.2		6		90				<0.2		1.1	
					Bottom	11.1	0.5	302	26.3	26.3	7.8	7.8	30.8	30.8	90.3	90.3	6.1	6.1	9.6		10		92				<0.2		1.1	
						11.1	0.5	303	26.3		7.8		30.8		90.3		6.1		9.6		8		92				<0.2		1.4	
C3	Cloudy	Calm	11:44	12.0	Surface	1.0	0.4	209	26.2	26.2	7.8	7.8	31.4	31.4	92.4	92.4	6.3	6.3	2.2	2.3	6	5	89	90	822093	817810	<0.2	<0.2	1.2	1.2
						1.0	0.4	210	26.2		7.8		31.4		92.4		6.3		2.2		5		87				<0.2		1.0	
					Middle	6.0	0.4	234	26.2	26.2	7.7	7.7	31.4	31.4	91.7	91.7	6.2		2.3		4		91				<0.2		1.1	
						6.0	0.4	251	26.2		7.7		31.4		91.7		6.2		2.2		5		90				<0.2		1.2	
					Bottom	11.0	0.2	244	26.2	26.2	7.7	7.7	31.8	31.8	91.3	91.4	6.2	6.2	2.5		6		93				<0.2		1.1	
						11.0	0.3	246	26.2		7.7		31.8		91.4		6.2		2.5		5		92				<0.2		1.3	
IM1	Fine	Calm	12:26	7.3	Surface	1.0	0.6	144	29.0	28.8	8.1	8.1	30.8	31.0	98.5	98.8	6.4	6.4	4.7	6.2	8	7	75	82	818360	806464	<0.2	<0.2	1.1	1.1
						1.0	0.6	156	28.5		8.1		31.1		99.1		6.5		4.8		6		77				<0.2		1.1	
					Middle	3.7	0.5	143	29.0	29.0	8.1	8.1	30.8	30.9	98.2	98.2	6.4		5.9		7		80				<0.2		1.2	
						3.7	0.5	144	29.0		8.1		30.9		98.2		6.4		6.1		6		80				<0.2		1.1	
					Bottom	6.3	0.4	133	29.0	29.0	8.1	8.1	31.2	31.2	98.2	98.2	6.4	6.4	7.8		7		88				<0.2		1.0	
						6.3	0.4	141	28.9		8.1		31.2		98.2		6.4		7.6		7		90				<0.2		1.0	
IM2	Fine	Rough	12:33	7.8	Surface	1.0	0.4	244	29.0	29.0	8.0	8.0	30.0	30.1	98.4	98.4	6.4	6.3	3.5	5.9	6	6	73	80	818854	806211	<0.2	<0.2	1.1	1.1
						1.0	0.4	254	29.0		8.0		30.1		98.3		6.4		3.7		5		74				<0.2		1.1	
					Middle	3.9	0.5	156	28.5	28.8	8.0	8.0	30.7	30.6	96.8	96.5	6.3		6.4		6		77				<0.2		1.0	
						3.9	0.5	167	29.0		8.0		30.4		96.1		6.2		6.3		6		80				<0.2		1.1	
					Bottom	6.8	0.4	116	28.9	29.0	8.0	8.0	32.1	32.1	97.9	97.9	6.3	6.3	7.9		6		87				<0.2		1.0	
						6.8	0.4	120	29.0		8.0		32.0		97.9		6.3		7.7		7		90				<0.2		1.1	
IM3	Fine	Rough	12:41	7.3	Surface	1.0	0.5	258	28.8	29.0	8.0	8.0	29.0	28.9	97.2	96.9	6.4	6.3	2.5	2.8	4	4	77	83	819408	806031	<0.2	<0.2	1.7	1.4
						1.0	0.5	270	29.2		8.0		28.8		96.6		6.3		2.3		2		78				<0.2		1.4	
					Middle	3.7	0.5	155	29.1	29.0	8.0	8.0	30.2	30.3	96.8	96.9	6.3		3.2		2		80				<0.2		1.3	
						3.7	0.5	157	28.9		8.0		30.4		97.0		6.3		3.2		2		83				<0.2		1.3	
					Bottom	6.3	0.5	145	29.1	29.1	8.0	8.0	30.4	30.4	98.0	98.1	6.4	6.4	2.8		6		88				<0.2		1.2	
						6.3	0.5	150	29.0		8.0		30.4		98.1		6.4		2.8		7		90				<0.2		1.2	
IM4	Fine	Rough	12:51	7.1	Surface	1.0	0.4	246	29.1	29.0	8.0	8.0	28.9	29.0	95.2	95.5	6.2	6.2	3.5	6.0	4	6	76	82	819574	805058	<0.2	<0.2	1.4	1.4
						1.0	0.4	252	28.8		8.0		29.1		95.7		6.3		3.6		4		78				<0.2		1.4	
					Middle	3.6	0.4	158	29.0	29.1	8.0	8.0	29.5	29.5	93.5	93.3	6.1		6.9		6		82				<0.2		1.3	
						3.6	0.4	160	29.2		8.0		29.5		93.1		6.1		7.1		8		82				<0.2		1.6	
					Bottom	6.1	0.5	118	29.1	29.0	8.0	8.0	30.1	30.2	93.8	94.0	6.1	6.1	7.3		7		85				<0.2		1.2	
						6.1	0.5	125	28.9		8.0		30.2		94.1		6.1		7.4		6		88				<0.2		1.2	
IM5	Fine	Rough	13:00	7.0	Surface	1.0	0.5	278	29.2	29.0	8.0	8.0	28.7	28.8	94.5	94.8	6.2	6.2	3.5	5.1	2	5	72	81	820560	804905	<0.2	<0.2	1.4	1.5
						1.0	0.5	299	28.8		8.0		28.9		95.0		6.3		3.6		2		75				<0.2		1.3	
					Middle	3.5	0.5	288	28.7	29.0	8.0	8.0	29.1	29.0	94.1	93.8	6.2		4.7		4		79				<0.2		1.5	
						3.5	0.5	289	29.2		8.0		28.8		93.4		6.1		4.6		4		81				<0.2		1.5	
					Bottom	6.0	0.4	270	29.1	28.9	8.0	8.0	30.1	30.2	93.9	94.2	6.1	6.2	7.0		8		87				<0.2		1.5	
						6.0	0.4	279	28.7		8.0		30.3		94.5		6.2		7.1		8		90				<0.2		1.5	
IM6	Fine	Rough	13:08	6.9	Surface	1.0	0.4	193	29.2	29.2	8.0	8.0	28.5	28.5	93.5	93.5	6.1	6.1	3.2	5.6	4	6	76	83	821069	805827	<0.2	<0.2	1.5	1.4
						1.0	0.4	193	29.2		8.0		28.5		93.5		6.1		3.3		2		76				<0.2		1.4	
					Middle	3.5	0.3	222	28.8	29.0	8.0	8.0	28.9	28.8	92.7	92.4	6.1		6.0		3		82				<0.2		1.7	
						3.5	0.3	224	29.2		8.0		28.7		92.1		6.0		6.0		4		82				<0.2		1.5	
					Bottom	5.9	0.4	224	29.0	28.9	8.0	8.0	30.0	30.1	92.4	92.8	6.0	6.1	7.5		10		92				<0.2		1.0	
						5.9	0.4	224	28.7		8.0		30.1		93.1		6.1		7.3		12		92				<0.2		1.0	
IM7	Fine	Rough	13:17	7.7	Surface	1.0	0.4	246	29.1	29.1	7.9	7.9	28.1	28.2	94.0	94.1	6.2	6.2	2.1	2.2	4	4	78	83	821348	806825	<0.2	<0.2	1.8	1.6
						1.0	0.4	252	29.0		7.9		28.2		94.1		6.2		2.0		4		78				<0.2		1.6	
					Middle	3.9	0.4	262	28.7	29.0	7.9	7.9	28.4	28.3	94.3	94.0	6.2		2.2		3		81				<0.2		1.6	
						3.9	0.4	267	29.2		7.9		28.1		93.7		6.1		2.0		3		83				<0.2		1.6	
					Bottom	6.7	0.3	175	29.2	29.0	8.0	8.0	28.6	28.7	94.5	94.8	6.2	6.3	2.5		3		88				<0.2		1.5	
						6.7	0.3	175	28.8		8.0		28.8		95.1		6.3		2.6		4		90				<0.2		1.5	
IM8	Cloudy	Rough	12:54	8.1	Surface	1.0	0.4	199	26.3	26.3	7.7	7.7	28.7	28.7	94.4	94.4	6.5	6.5	2.0	2.3	<2	3	83	89	821692	807837	<0.2	<0.2	1.7	1.6
						1.0	0.4	208	26.3		7.7		28.7		94.4		6.5		2.0		2		84				<0.2		1.6	
					Middle	4.1	0.3	212	26.3	26.3	7.7	7.7	29.1	29.1	95.3	95.3	6.5		2.3		2		91				<0.2		1.7	
						4.1	0.3	219	26.3		7.7		29.1		95.3		6.5		2.2		3		90				<0.2		1.7	
					Bottom	7.1	0.3	209	26.4	26.4	7.7	7.7	30.4	30.4	97.7	97.8	6.6	6.6	2.5		4		93				<0.2		1.4	
						7.1	0.3	214	26.4		7.7		30.4		97.8		6.6		2.5		2		92				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:47	7.5	Surface	1.0	0.3	198	26.4	26.4	7.8	7.8	29.7	29.8	95.8	95.8	6.5	6.5	2.4	3.4	2	3	83	88	822086	808799	<0.2	<0.2	1.4	1.4
						1.0	0.4	198	26.4		7.8		29.8		95.8		6.5		2.4		3		83				<0.2		1.5	
					Middle	3.8	0.3	224	26.4	26.4	7.8	7.8	30.4	30.4	95.1	95.1	6.5		3.2		4		89				<0.2		1.2	
						3.8	0.4	231	26.4		7.8		30.4		95.0		6.5		3.3		2		90				<0.2		1.1	
					Bottom	6.5	0.3	243	26.4	26.4	7.8	7.8	31.0	31.0	95.0	95.0	6.4	6.4	4.5		5		93				<0.2		1.4	
						6.5	0.3	245	26.4		7.8		31.0		95.0		6.4		4.5		4		92				<0.2		1.6	
IM10	Cloudy	Moderate	12:39	7.3	Surface	1.0	0.4	217	26.5	26.5	7.8	7.8	30.6	30.6	93.9	93.9	6.4	6.4	3.5	8.3	3	4	85	89	822245	809853	<0.2	<0.2	1.2	1.2
						1.0	0.4	229	26.5		7.8		30.6		93.9		6.4		3.6		3		83				<0.2		1.1	
					Middle	3.7	0.4	247	26.4	26.4	7.8	7.8	30.6	30.6	93.1	93.1	6.3		6.4		4		89				<0.2		1.3	
						3.7	0.4	257	26.4		7.8		30.6		93.1		6.3		6.6		2		90				<0.2		1.0	
					Bottom	6.3	0.4	279	26.3	26.3	7.8	7.8	31.6	31.6	92.1	92.1	6.2	6.2	14.8		6		92				<0.2		1.1	
						6.3	0.5	288	26.3		7.8		31.6		92.1		6.2		14.8		7		92				<0.2		1.2	
IM11	Cloudy	Moderate	12:32	7.4	Surface	1.0	0.4	257	26.4	26.4	7.8	7.8	30.5	30.5	98.5	98.5	6.7	6.7	2.5	2.5	6	6	83	89	821499	810550	<0.2	<0.2	1.3	1.2
						1.0	0.4	266	26.4		7.8		30.5		98.5		6.7		2.5		4		85				<0.2		1.2	
					Middle	3.7	0.4	267	26.4	26.4	7.8	7.8	30.5	30.5	98.5	98.5	6.7		2.3		6		90				<0.2		1.2	
						3.7	0.4	273	26.4		7.8		30.5		98.5		6.7		2.3		8		90				<0.2		1.5	
					Bottom	6.4	0.3	226	26.4	26.4	7.7	7.7	30.7	30.7	100.0	100.1	6.8	6.8	2.6		7		92				<0.2		1.0	
						6.4	0.3	227	26.4		7.7		30.7		100.1		6.8		2.6		7		92				<0.2		1.1	
IM12	Cloudy	Moderate	12:25	8.1	Surface	1.0	0.4	273	26.4	26.4	7.8	7.8	30.3	30.3	98.8	98.8	6.7	6.7	3.8	9.0	7	9	85	89	821145	811508	<0.2	<0.2	1.2	1.3
						1.0	0.5	294	26.4		7.8		30.3		98.8		6.7		3.9		5		85				<0.2		1.2	
					Middle	4.1	0.4	263	26.3	26.3	7.8	7.8	30.3	30.3	97.2	97.2	6.6		8.9		7		90				<0.2		1.5	
						4.1	0.4	266	26.3		7.8		30.3		97.2		6.6		8.9		7		89				<0.2		1.2	
					Bottom	7.1	0.3	192	26.3	26.3	7.8	7.8	31.6	31.6	98.1	98.2	6.6	6.6	14.4		16		92				<0.2		1.2	
						7.1	0.3	198	26.3		7.8		31.6		98.2		6.6		14.3		14		93				<0.2		1.2	
SR2	Cloudy	Moderate	12:05	4.7	Surface	1.0	0.2	237	26.4	26.4	7.8	7.8	30.3	30.3	100.2	100.2	6.8	6.8	2.4	3.2	10	16	87	88	821457	814153	<0.2	<0.2	1.2	1.2
						1.0	0.2	247	26.4		7.8		30.3		100.1		6.8		2.4		8		85				<0.2		1.1	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	174	26.4	26.4	7.8	7.8	30.4	30.4	99.6	99.6	6.8	6.8	3.9		22		91				<0.2		1.1	
						3.7	0.2	187	26.4		7.8		30.4		99.6		6.8		3.9		24		90				<0.2		1.3	
SR3	Cloudy	Rough	13:00	7.6	Surface	1.0	0.4	206	26.2	26.2	7.8	7.8	28.7	28.7	94.3	94.3	6.5	6.5	2.1	2.6	4	6	-	-	822153	807554	-	-	-	-
						1.0	0.5	206	26.2		7.8		28.7		94.3		6.5		2.2		6		-				-		-	
					Middle	3.8	0.4	200	26.3	26.3	7.8	7.8	29.3	29.3	94.6	94.7	6.5		2.7		4		-				-		-	
						3.8	0.4	206	26.3		7.8		29.3		94.7		6.5		2.7		6		-				-		-	
					Bottom	6.6	0.3	178	26.4	26.4	7.7	7.7	30.1	30.1	96.3	96.3	6.6	6.6	2.9		8		-				-		-	
						6.6	0.3	180	26.4		7.7		30.1		96.3		6.6		2.9		8		-				-		-	
SR4A	Fine	Calm	11:39	8.8	Surface	1.0	0.3	159	29.0	29.0	8.0	8.0	30.8	30.8	94.4	94.4	6.1	6.1	11.0	11.9	12	14	-	-	817196	807791	-	-	-	-
						1.0	0.3	173	29.0		8.0		30.8		94.4		6.1		11.2		11		-				-		-	
					Middle	4.4	0.3	179	29.0	29.0	8.0	8.0	30.9	30.9	94.5	94.5	6.1		12.3		11		-				-		-	
						4.4	0.3	188	29.0		8.0		30.9		94.5		6.1		12.1		10		-				-		-	
					Bottom	7.8	0.3	219	29.0	29.0	8.0	8.0	31.1	31.1	95.3	95.3	6.2	6.2	12.4		19		-				-		-	
						7.8	0.3	233	29.0		8.0		31.0		95.3		6.2		12.2		21		-				-		-	
SR5A	Fine	Calm	11:23	4.3	Surface	1.0	0.1	278	29.0	29.0	8.0	8.0	30.1	30.2	93.4	93.4	6.1	6.1	6.5	6.9	11	11	-	-	816600	810697	-	-	-	-
						1.0	0.2	299	29.0		8.0		30.2		93.4		6.1		6.6		9		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	278	29.2	29.0	8.0	8.0	30.1	30.2	93.4	93.7	6.1	6.1	7.2		13		-				-		-	
						3.3	0.1	292	28.8		8.0		30.3		94.0		6.1		7.2		12		-				-		-	
SR6	Fine	Calm	11:01	4.1	Surface	1.0	0.2	175	29.0	29.0	7.9	7.9	29.3	29.3	92.3	92.4	6.0	6.0	9.0	11.0	14	16	-	-	817898	814671	-	-	-	-
						1.0	0.2	188	29.0		7.9		29.3		92.4		6.0		9.1		15		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	153	28.8	29.0	7.9	7.9	29.4	29.3	93.0	92.9	6.1	6.1	12.4		18		-				-		-	
						3.1	0.2	166	29.1		7.9		29.2		92.7		6.1		13.6		17		-				-		-	
SR7	Cloudy	Calm	11:05	16.9	Surface	1.0	0.2	170	26.2	26.2	7.8	7.8	32.2	32.2	92.1	92.1	6.2	6.1	1.6	3.4	6	6	-	-	823627	823745	-	-	-	-
						1.0	0.2	183	26.2		7.8		32.2		92.1		6.2		1.7		5		-				-		-	
					Middle	8.5	0.2	169	26.2	26.2	7.7	7.7	32.3	32.3	89.4	89.4	6.0		2.3		5		-				-		-	
						8.5	0.2	169	26.2		7.7		32.3		89.4		6.0		2.4		5		-				-		-	
					Bottom	15.9	0.2	175	26.2	26.2	7.7	7.7	33.3	33.3	86.0	86.0	5.8	5.8	6.1		5		-				-		-	
						15.9	0.2	175	26.2		7.7		33.3		86.0		5.8		6.1		7		-				-		-	
SR8	Cloudy	Moderate	12:19	4.1	Surface	1.0	0.3	105	26.7	26.7	7.8	7.8	29.7	29.7	103.2	103.2	7.0	7.0	4.1	4.3	6	7	-	-	820416	811577	-	-	-	-
						1.0	0.3	111	26.7		7.8		29.7		103.2		7.0		4.1		7		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	159	26.2	26.2	7.7	7.7	29.9	29.9	102.1	102.1	7.0	7.0	4.4		7		-				-		-	
						3.1	0.3	166	26.2		7.7		29.9		102.1		7.0		4.4		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
C1	Fine	Rough	17:47	8.2	Surface	1.0	0.5	228	28.4	28.7	8.1	8.1	30.7	30.6	102.6	102.3	6.7	6.6	4.4	7.2	9	12	80	87	815619	804265	<0.2	<0.2	1.0	0.9
						1.0	0.5	229	28.9		8.1		30.5		101.9		6.6		4.3		10		81				<0.2		1.1	
					Middle	4.1	0.6	207	28.9	28.8	8.1	8.1	31.4	31.2	101.0	101.0	6.5		6.0		8		86				<0.2		1.0	
						4.1	0.6	215	28.7		8.1		31.0		101.0		6.6		6.1		9		87				<0.2		1.0	
					Bottom	7.2	0.4	207	28.7	28.6	8.1	8.1	32.4	32.5	99.7	100.4	6.4	6.5	11.3		18		93				<0.2		0.5	
						7.2	0.4	207	28.5		8.1		32.6		101.0		6.5		10.9		20		94				<0.2		0.5	
C2	Cloudy	Rough	16:32	12.0	Surface	1.0	1.2	167	26.3	26.3	7.8	7.8	27.7	27.7	92.4	92.4	6.4	6.3	2.6	8.7	8	10	81	88	825701	806936	<0.2	<0.2	1.1	1.2
						1.0	1.2	176	26.3		7.8		27.7		92.3		6.4		2.6		8		82				<0.2		0.9	
					Middle	6.0	0.7	172	26.4	26.4	7.8	7.8	29.8	29.8	90.3	90.3	6.2		5.3		7		89				<0.2		1.7	
						6.0	0.8	183	26.4		7.8		29.8		90.2		6.2		5.4		9		90				<0.2		1.6	
					Bottom	11.0	0.3	148	26.3	26.3	7.8	7.8	30.0	30.0	89.1	89.1	6.1	6.1	18.3		12		93				<0.2		1.0	
						11.0	0.3	158	26.3		7.8		30.0		89.1		6.1		18.2		14		92				<0.2		1.0	
C3	Cloudy	Moderate	18:14	12.1	Surface	1.0	0.3	199	26.3	26.3	7.8	7.8	31.0	31.0	89.6	89.5	6.1	5.9	2.1	3.5	4	6	87	90	822125	817789	<0.2	<0.2	0.9	0.8
						1.0	0.3	208	26.3		7.8		31.0		89.3		6.1		2.2		6		88				<0.2		1.0	
					Middle	6.1	0.2	116	26.1	26.1	7.8	7.8	32.3	32.3	84.5	84.5	5.7		3.6		5		91				<0.2		0.7	
						6.1	0.2	123	26.1		7.8		32.3		84.5		5.7		3.6		7		90				<0.2		0.7	
					Bottom	11.1	0.3	91	26.1	26.1	7.8	7.8	32.3	32.3	86.1	86.1	5.8	5.8	4.7		6		93				<0.2		0.6	
						11.1	0.3	98	26.1		7.8		32.3		86.1		5.8		4.7		6		93				<0.2		0.6	
IM1	Fine	Rough	17:19	7.0	Surface	1.0	0.5	188	29.0	29.0	8.1	8.1	30.7	30.7	105.0	105.1	6.8	6.8	3.6	9.1	7	15	76	83	818363	806453	<0.2	<0.2	1.0	0.9
						1.0	0.6	204	29.0		8.1		30.7		105.1		6.8		3.7		9		77				<0.2		1.0	
					Middle	3.5	0.5	191	29.0	29.0	8.1	8.1	30.7	30.8	103.5	103.5	6.7		5.5		14		81				<0.2		0.8	
						3.5	0.6	191	28.9		8.1		30.8		103.5		6.7		5.6		16		83				<0.2		0.8	
					Bottom	6.0	0.4	191	28.8	28.8	8.1	8.1	31.0	31.0	99.9	99.9	6.5	6.5	18.1		22		87				<0.2		0.8	
						6.0	0.5	194	28.8		8.1		30.9		99.9		6.5		17.8		24		92				<0.2		0.8	
IM2	Fine	Rough	17:12	7.3	Surface	1.0	0.6	207	29.0	29.0	8.1	8.1	30.6	30.6	103.8	103.8	6.7	6.6	3.1	4.5	5	8	75	82	818850	806181	<0.2	<0.2	0.9	0.9
						1.0	0.6	220	29.0		8.1		30.6		103.8		6.7		3.2		6		76				<0.2		0.9	
					Middle	3.7	0.5	192	29.0	29.0	8.1	8.1	30.6	30.6	100.9	100.9	6.5		4.2		10		79				<0.2		0.8	
						3.7	0.6	205	29.0		8.1		30.6		100.8		6.5		4.3		8		80				<0.2		0.9	
					Bottom	6.3	0.4	189	28.8	28.9	8.0	8.0	31.3	31.3	101.5	101.5	6.6	6.6	6.0		9		90				<0.2		0.8	
						6.3	0.4	207	28.9		8.0		31.2		101.5		6.6		5.9		10		91				<0.2		1.0	
IM3	Fine	Rough	17:05	6.9	Surface	1.0	0.6	223	28.9	29.0	8.1	8.1	30.6	30.6	102.2	102.1	6.6	6.6	3.0	3.6	7	7	79	84	819398	806032	<0.2	<0.2	0.9	0.9
						1.0	0.6	243	29.1		8.1		30.5		101.9		6.6		3.0		7		79				<0.2		0.9	
					Middle	3.5	0.5	196	29.1	29.1	8.1	8.1	30.5	30.5	100.3	100.3	6.5		3.0		7		83				<0.2		1.0	
						3.5	0.5	203	29.1		8.1		30.5		100.3		6.5		3.1		8		86				<0.2		0.8	
					Bottom	5.9	0.4	195	29.1	29.1	8.0	8.0	30.7	30.7	98.3	98.4	6.4	6.4	4.7		6		88				<0.2		0.9	
						5.9	0.4	201	29.1		8.0		30.7		98.4		6.4		4.7		6		90				<0.2		0.9	
IM4	Fine	Rough	16:56	7.3	Surface	1.0	0.6	203	29.3	29.3	8.0	8.0	29.4	29.4	99.3	99.3	6.5	6.4	2.8	8.4	5	8	78	84	819550	805021	<0.2	<0.2	1.1	1.0
						1.0	0.6	220	29.3		8.0		29.4		99.3		6.5		2.9		6		80				<0.2		1.1	
					Middle	3.7	0.6	182	29.2	29.1	8.0	8.0	30.0	30.1	95.9	96.0	6.2		6.8		8		85				<0.2		1.2	
						3.7	0.7	193	29.0		8.0		30.1		96.1		6.3		7.1		7		85				<0.2		1.1	
					Bottom	6.3	0.5	191	28.5	28.8	8.0	8.0	31.7	31.6	95.2	94.9	6.2	6.2	15.7		9		88				<0.2		0.8	
						6.3	0.5	204	29.0		8.0		31.4		94.6		6.1		15.0		11		90				<0.2		0.9	
IM5	Fine	Rough	16:49	6.5	Surface	1.0	0.6	190	29.4	29.4	8.0	8.0	28.9	28.9	97.5	97.6	6.4	6.3	2.5	6.3	5	6	75	80	820561	804909	<0.2	<0.2	1.4	1.3
						1.0	0.6	208	29.3		8.0		28.9		97.6		6.4		2.6		4		76				<0.2		1.5	
					Middle	3.3	0.5	199	29.2	29.0	8.0	8.0	29.4	29.5	95.7	96.0	6.2		5.4		7		79				<0.2		1.2	
						3.3	0.6	210	28.8		8.0		29.6		96.2		6.3		5.6		5		80				<0.2		1.3	
					Bottom	5.5	0.4	193	28.7	28.9	8.0	8.0	30.6	30.5	94.6	94.5	6.2	6.2	11.3		7		85				<0.2		1.0	
						5.5	0.4	195	29.1		8.0		30.3		94.3		6.1		10.3		5		86				<0.2		1.2	
IM6	Fine	Rough	16:39	6.2	Surface	1.0	0.5	209	29.3	29.2	8.0	8.0	28.6	28.7	95.5	95.6	6.2	6.2	3.0	7.6	5	5	77	82	821074	805831	<0.2	<0.2	1.2	1.3
						1.0	0.5	225	29.1		8.0		28.8		95.6		6.3		3.1		4		78				<0.2		1.3	
					Middle	3.1	0.6	210	28.8	29.1	8.0	8.0	29.3	29.2	94.8	94.5	6.2		7.0		6		80				<0.2		1.4	
						3.1	0.6	218	29.3		8.0		29.0		94.1		6.1		6.9		6		81				<0.2		1.2	
					Bottom	5.2	0.6	195	28.6	28.8	8.0	8.0	31.0	30.9	94.7	94.6	6.2	6.2	12.8		5		86				<0.2		1.3	
						5.2	0.6	197	28.9		8.0		30.8		94.4		6.1		13.0		6		88				<0.2		1.1	
IM7	Fine	Rough	16:31	7.5	Surface	1.0	0.6	216	29.0	29.0	8.0	8.0	28.3	28.3	94.7	94.7	6.2	6.2	2.3	2.9	5	7	80	85	821342	806845	<0.2	<0.2	1.3	1.3
						1.0	0.6	218	28.9		8.0		28.3		94.7		6.2		2.4		6		80				<0.2		1.4	
					Middle	3.8	0.5	216	29.0	29.0	8.0	8.0	28.6	28.6	94.0	94.0	6.2		2.8		8		85				<0.2		1.4	
						3.8	0.5	230	29.0		8.0		28.6		94.0		6.2		2.8		6		85				<0.2		1.6	
					Bottom	6.5	0.4	198	29.0	29.0	8.0	8.0	29.4	29.4	94.1	94.2	6.1	6.2	3.4		7		90				<0.2		1.1	
						6.5	0.4	216	29.0		8.0		29.3		94.2		6.2		3.4		9		90				<0.2		1.1	
IM8	Cloudy	Rough	17:04	8.2	Surface	1.0	0.6	188	26.5	26.5	7.8	7.8	28.6	28.6	99.7	99.7	6.8	6.8	1.9	2.7	3	6	86	89	821690	807851	<0.2	<0.2	1.3	1.1
						1.0	0.6	197	26.5		7.8		28.6		99.7		6.8		1.9		3		84				<0.2		1.1	
					Middle	4.1	0.6	187	26.5	26.5	7.8	7.8	29.7	29.7	99.4	99.4	6.8		2.5		7		90				<0.2		1.2	
						4.1	0.7	202	26.5		7.8		29.7		99.3		6.8		2.5		7		89				<0.2		1.3	
					Bottom	7.2	0.3	195	26.4	26.4	7.8	7.8	30.2	30.2	99.3	99.3	6.7	6.8	3.7		8		93				<0.2		0.9	
						7.2	0.3	204	26.4		7.8		30.2		99.3		6.8		3.6		7		92				<0.2		1.0	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Cloudy	Rough	17:11	7.0	Surface	1.0	0.5	172	26.4	26.4	7.9	7.9	30.2	30.2	104.3	104.3	7.1	7.0	3.5	11.5	3	6	85	89	822111	808811	<0.2	<0.2	1.0	0.9
						1.0	0.5	182	26.4		7.9		30.2		104.3		7.1		3.5		4		84				<0.2		0.9	
					Middle	3.5	0.4	156	26.4	26.4	7.9	7.9	30.2	30.2	102.1	102.1	6.9		4.0		6		90				<0.2		0.9	
						3.5	0.4	169	26.4		7.9		30.2		102.1		6.9		4.0		7		89				<0.2		0.9	
					Bottom	6.0	0.3	146	26.4	26.4	7.8	7.8	30.3	30.3	100.9	100.9	6.9	6.9	27.4		8		93				<0.2		0.8	
						6.0	0.4	148	26.4		7.8		30.3		100.9		6.9		26.8		9		93				<0.2		0.8	
IM10	Cloudy	Rough	17:18	7.1	Surface	1.0	0.5	136	26.4	26.4	7.9	7.9	30.6	30.6	99.8	99.8	6.8	6.8	5.3	7.9	9	9	86	89	822227	809828	<0.2	<0.2	0.9	1.0
						1.0	0.6	137	26.4		7.9		30.6		99.7		6.8		5.4		7		83				<0.2		0.9	
					Middle	3.6	0.4	110	26.3	26.3	7.8	7.8	30.8	30.8	98.2	98.2	6.7		7.5		11		89				<0.2		1.0	
						3.6	0.5	117	26.3		7.8		30.8		98.2		6.7		7.4		9		90				<0.2		1.0	
					Bottom	6.1	0.3	114	26.3	26.3	7.8	7.8	31.0	31.0	97.7	97.7	6.6	6.6	11.0		10		92				<0.2		0.9	
						6.1	0.3	117	26.3		7.8		31.0		97.7		6.6		11.0		10		91				<0.2		1.0	
IM11	Cloudy	Rough	17:25	7.5	Surface	1.0	0.5	114	26.3	26.3	7.8	7.8	30.8	30.8	97.2	97.2	6.6	6.6	7.3	9.9	9	12	85	89	821514	810541	<0.2	<0.2	0.7	0.9
						1.0	0.6	115	26.3		7.8		30.8		97.1		6.6		7.3		10		86				<0.2		0.8	
					Middle	3.7	0.5	103	26.3	26.3	7.8	7.8	30.9	30.9	95.6	95.6	6.5		8.7		10		90				<0.2		1.0	
						3.7	0.5	110	26.3		7.8		30.9		95.6		6.5		8.9		11		89				<0.2		1.0	
					Bottom	6.5	0.4	91	26.3	26.3	7.8	7.8	31.1	31.1	96.8	96.8	6.6	6.6	13.4		15		92				<0.2		0.9	
						6.5	0.4	99	26.3		7.8		31.1		96.8		6.6		13.7		14		92				<0.2		1.0	
IM12	Cloudy	Rough	17:32	7.8	Surface	1.0	0.5	100	26.4	26.4	7.8	7.8	30.9	30.9	96.1	96.1	6.5	6.5	6.6	10.2	10	12	83	89	821176	811519	<0.2	<0.2	1.0	0.9
						1.0	0.5	106	26.4		7.8		30.9		96.0		6.5		6.7		10		86				<0.2		0.9	
					Middle	3.9	0.5	112	26.3	26.3	7.8	7.8	31.2	31.2	94.6	94.6	6.4		10.0		10		91				<0.2		0.9	
						3.9	0.6	117	26.3		7.8		31.2		94.6		6.4		10.1		9		89				<0.2		0.9	
					Bottom	6.8	0.4	135	26.3	26.3	7.8	7.8	31.3	31.3	97.4	97.5	6.6	6.6	13.4		16		93				<0.2		0.8	
						6.8	0.4	140	26.3		7.8		31.3		97.5		6.6		14.2		14		92				<0.2		0.8	
SR2	Cloudy	Moderate	17:52	5.0	Surface	1.0	0.3	76	26.4	26.4	7.8	7.8	31.1	31.1	93.4	93.4	6.3	6.3	6.9	13.3	10	11	85	88	821470	814181	<0.2	<0.2	0.9	1.0
						1.0	0.3	79	26.4		7.8		31.1		93.3		6.3		7.0		8		85				<0.2		1.0	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	77	26.2	26.2	7.7	7.7	31.5	31.5	95.3	95.3	6.5	6.5	19.6		13		91				<0.2		1.0	
						4.0	0.2	82	26.2		7.7		31.5		95.3		6.5		19.6		12		90				<0.2		1.0	
SR3	Cloudy	Rough	16:59	9.1	Surface	1.0	0.8	179	26.4	26.4	7.8	7.8	28.4	28.4	98.2	98.2	6.7	6.7	2.5	5.5	4	9	-	-	822157	807570	-	-	-	-
						1.0	0.8	188	26.4		7.8		28.4		98.2		6.7		2.5		5		-				-		-	
					Middle	4.6	0.5	184	26.5	26.5	7.8	7.8	28.7	28.7	97.7	97.7	6.7		3.5		9		-				-		-	
						4.6	0.6	189	26.5		7.8		28.7		97.7		6.7		3.6		8		-				-		-	
					Bottom	8.1	0.3	193	26.4	26.4	7.7	7.7	29.6	29.6	97.4	97.4	6.6	6.6	10.4		13		-				-		-	
						8.1	0.3	203	26.4		7.7		29.6		97.4		6.6		10.4		12		-				-		-	
SR4A	Fine	Calm	18:08	8.3	Surface	1.0	0.3	136	29.0	29.0	8.0	8.0	30.7	30.7	97.4	97.4	6.3	6.3	6.1	7.4	10	11	-	-	817206	807824	-	-	-	-
						1.0	0.3	139	29.0		8.0		30.7		97.4		6.3		6.2		8		-				-		-	
					Middle	4.2	0.3	114	29.0	29.0	8.0	8.0	30.7	30.7	97.6	97.6	6.3		7.3		11		-				-		-	
						4.2	0.3	116	29.0		8.0		30.7		97.6		6.3		7.4		12		-				-		-	
					Bottom	7.3	0.3	97	28.9	28.9	8.0	8.0	30.8	30.9	99.4	99.5	6.4	6.5	8.6		12		-				-		-	
						7.3	0.3	103	28.9		8.0		30.9		99.5		6.5		8.6		14		-				-		-	
SR5A	Fine	Calm	18:25	4.0	Surface	1.0	0.1	184	29.3	29.3	8.0	8.0	29.9	30.0	99.8	99.9	6.5	6.5	6.0	6.0	8	8	-	-	816582	810689	-	-	-	-
						1.0	0.1	200	29.2		8.0		30.0		99.9		6.5		6.1		7		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	243	29.2	29.1	8.0	8.0	30.0	30.1	100.6	100.9	6.5	6.6	5.9		8		-				-		-	
						3.0	0.2	255	28.9		8.0		30.2		101.2		6.6		6.0		9		-				-		-	
SR6	Fine	Calm	18:48	4.1	Surface	1.0	0.2	57	29.1	29.1	8.0	8.0	30.0	30.0	100.7	100.7	6.6	6.6	8.5	9.1	13	14	-	-	817917	814678	-	-	-	-
						1.0	0.2	57	29.1		8.0		29.9		100.6		6.5		8.5		12		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	178	29.0	29.0	8.0	8.0	30.0	30.0	101.9	102.0	6.6	6.6	9.7		16		-				-		-	
						3.1	0.1	184	29.0		8.0		30.0		102.0		6.6		9.8		15		-				-		-	
SR7	Cloudy	Calm	18:43	17.8	Surface	1.0	0.4	92	26.2	26.2	7.8	7.8	32.1	32.1	86.8	86.8	5.9	5.9	2.5	3.3	5	5	-	-	823655	823737	-	-	-	-
						1.0	0.4	94	26.2		7.8		32.1		86.8		5.9		2.5		4		-				-		-	
					Middle	8.9	0.2	87	26.1	26.1	7.8	7.8	32.4	32.4	86.5	86.5	5.8		3.3		4		-				-		-	
						8.9	0.3	87	26.1		7.8		32.4		86.5		5.8		3.3		5		-				-		-	
					Bottom	16.8	0.3	108	26.1	26.1	7.8	7.8	32.5	32.5	87.2	87.3	5.9	5.9	4.1		6		-				-		-	
						16.8	0.3	110	26.1		7.8		32.5		87.3		5.9		4.2		6		-				-		-	
SR8	Cloudy	Moderate	17:38	5.1	Surface	1.0	0.3	161	26.5	26.5	7.8	7.8	30.5	30.5	99.3	99.3	6.7	6.7	5.2	9.3	5	7	-	-	820432	811605	-	-	-	-
						1.0	0.3	164	26.5		7.8		30.5		99.2		6.7		5.3		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	150	26.3	26.3	7.8	7.8	31.4	31.4	96.9	97.1	6.6	6.6	13.5		7		-				-		-	
						4.1	0.2	160	26.3		7.8		31.4		97.2		6.6		13.2		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Calm	15:46	7.8	Surface	1.0	0.6	95	27.6	27.6	8.2	8.2	32.4	32.4	110.5	110.5	7.3	7.3	2.6	2.6	8	9	69	77	815607	804229	<0.2	<0.2	0.4	0.4
						1.0	0.6	104	27.6		8.2		32.3		110.4		7.3		2.4		8		68				<0.2		0.4	
					Middle	3.9	0.7	82	27.6	27.6	8.2	8.2	32.3	32.3	109.0	109.0	7.2		2.7		10		75				<0.2		0.5	
						3.9	0.7	85	27.6		8.2		32.3		109.0		7.2		2.8		11		77				<0.2		0.4	
					Bottom	6.8	0.8	74	27.7	27.7	8.2	8.2	32.3	32.3	108.7	108.8	7.1	7.2	2.6		8		87				<0.2		0.4	
						6.8	0.8	74	27.6		8.2		32.3		108.9		7.2		2.7		8		84				<0.2		0.4	
C2	Cloudy	Moderate	14:44	11.9	Surface	1.0	0.5	217	25.3	25.3	7.9	7.9	29.8	29.8	100.0	100.0	6.9	6.9	0.9	3.9	7	7	81	89	825685	806961	<0.2	<0.2	1.0	0.9
						1.0	0.6	225	25.3		7.9		29.8		100.0		6.9		0.9		6		85				<0.2		1.2	
					Middle	6.0	0.4	140	25.4	25.4	7.9	7.9	30.3	30.3	98.9	98.9	6.8		2.6		7		90				<0.2		0.9	
						6.0	0.5	142	25.4		7.9		30.3		98.8		6.8		2.7		8		91				<0.2		0.8	
					Bottom	10.9	0.4	201	25.6	25.6	7.9	7.9	30.7	30.7	97.5	97.5	6.7	6.7	8.0		6		92				<0.2		0.7	
						10.9	0.4	220	25.6		7.9		30.7		97.5		6.7		8.0		6		92				<0.2		0.6	
C3	Cloudy	Moderate	16:28	11.8	Surface	1.0	0.5	289	25.4	25.4	7.9	7.9	32.4	32.4	101.5	101.4	6.9	6.8	0.6	1.1	6	8	88	90	822097	817817	<0.2	<0.2	0.5	0.4
						1.0	0.6	309	25.4		7.9		32.4		101.2		6.9		0.6		5		86				<0.2		0.6	
					Middle	5.9	0.6	262	25.5	25.5	7.9	7.9	32.7	32.7	97.0	97.1	6.6		0.9		8		90				<0.2		0.3	
						5.9	0.6	263	25.5		7.9		32.7		97.1		6.6		1.0		8		91				<0.2		0.4	
					Bottom	10.8	0.7	261	25.5	25.5	7.9	7.9	32.9	33.0	98.3	98.3	6.7	6.7	1.6		10		93				<0.2		0.4	
						10.8	0.7	283	25.5		7.9		33.0		98.3		6.7		1.6		8		92				<0.2		0.4	
IM1	Fine	Calm	15:24	6.7	Surface	1.0	0.4	88	27.8	27.8	8.1	8.1	32.4	32.4	98.4	98.4	6.5	6.4	4.4	6.0	6	9	70	78	818340	806458	<0.2	<0.2	0.3	0.4
						1.0	0.5	89	27.7		8.1		32.4		98.3		6.4		4.5		8		71				<0.2		0.4	
					Middle	3.4	0.3	132	27.8	27.8	8.1	8.1	32.4	32.4	96.7	96.7	6.3		5.6		8		76				<0.2		0.3	
						3.4	0.4	134	27.7		8.1		32.4		96.6		6.3		5.8		6		78				<0.2		0.4	
					Bottom	5.7	0.3	192	27.7	27.7	8.1	8.1	32.5	32.5	96.9	96.9	6.4	6.4	8.0		11		85				<0.2		0.4	
						5.7	0.3	209	27.7		8.1		32.4		96.9		6.4		7.4		12		85				<0.2		0.5	
IM2	Fine	Calm	15:18	7.9	Surface	1.0	0.5	86	27.7	27.7	8.2	8.2	31.8	31.8	114.6	114.5	7.5	7.5	3.2	5.2	5	6	66	75	818853	806197	<0.2	<0.2	0.5	0.5
						1.0	0.5	88	27.7		8.2		31.8		114.4		7.5		3.2		5		68				<0.2		0.5	
					Middle	4.0	0.6	81	27.8	27.8	8.2	8.2	31.8	31.8	112.8	112.8	7.4		3.7		6		73				<0.2		0.4	
						4.0	0.6	85	27.8		8.2		31.8		112.7		7.4		3.9		7		75				<0.2		0.4	
					Bottom	6.9	0.4	136	27.7	27.7	8.2	8.2	31.9	31.9	112.5	112.5	7.4	7.4	8.5		7		84				<0.2		0.4	
						6.9	0.5	137	27.7		8.2		31.9		112.5		7.4		8.5		7		85				<0.2		0.5	
IM3	Fine	Calm	15:09	7.4	Surface	1.0	0.5	89	27.9	27.9	8.2	8.2	31.8	31.8	108.9	108.9	7.2	7.2	4.1	4.5	7	8	70	77	819413	806018	<0.2	<0.2	0.4	0.5
						1.0	0.5	95	27.9		8.2		31.8		108.8		7.1		4.2		8		70				<0.2		0.5	
					Middle	3.7	0.4	110	27.8	27.7	8.2	8.2	31.8	31.9	108.3	108.6	7.1		4.3		8		75				<0.2		0.4	
						3.7	0.5	114	27.5		8.2		32.0		108.8		7.2		4.4		8		76				<0.2		0.5	
					Bottom	6.4	0.5	135	27.4	27.6	8.2	8.2	32.1	32.0	110.3	110.1	7.3	7.3	5.0		7		84				<0.2		0.5	
						6.4	0.5	140	27.8		8.2		31.8		109.8		7.2		4.8		7		84				<0.2		0.5	
IM4	Fine	Calm	15:01	7.2	Surface	1.0	0.4	121	27.7	27.8	8.2	8.2	31.8	31.8	113.9	113.9	7.5	7.5	4.2	5.4	9	9	70	79	819564	805032	<0.2	<0.2	0.5	0.4
						1.0	0.4	128	27.8		8.2		31.7		113.8		7.5		4.2		9		71				<0.2		0.6	
					Middle	3.6	0.4	116	27.8	27.8	8.2	8.2	31.7	31.8	112.7	112.8	7.4		5.1		8		79				<0.2		0.4	
						3.6	0.4	124	27.7		8.2		31.8		112.9		7.4		5.3		9		81				<0.2		0.4	
					Bottom	6.2	0.4	162	27.8	27.8	8.2	8.2	31.6	31.6	112.0	112.0	7.4	7.4	6.8		10		85				<0.2		0.3	
						6.2	0.4	162	27.8		8.2		31.6		112.0		7.4		7.0		9		86				<0.2		0.4	
IM5	Fine	Calm	14:54	6.3	Surface	1.0	0.4	81	27.9	27.9	8.2	8.2	31.6	31.6	108.5	108.5	7.1	7.1	11.7	13.0	12	13	68	77	820565	804908	<0.2	<0.2	0.4	0.4
						1.0	0.4	87	27.9		8.2		31.6		108.4		7.1		11.9		13		70				<0.2		0.5	
					Middle	3.2	0.4	83	27.5	27.7	8.2	8.2	31.9	31.8	108.9	108.6	7.2		12.9		12		77				<0.2		0.4	
						3.2	0.4	90	27.9		8.2		31.6		108.3		7.1		12.9		13		78				<0.2		0.4	
					Bottom	5.3	0.2	148	27.9	27.8	8.2	8.2	31.6	31.7	108.7	109.0	7.1	7.2	14.2		13		84				<0.2		0.4	
						5.3	0.2	150	27.6		8.2		31.8		109.2		7.2		14.5		13		85				<0.2		0.4	
IM6	Fine	Calm	14:46	6.5	Surface	1.0	0.4	104	28.0	28.0	8.2	8.2	31.9	31.9	106.1	106.1	6.9	6.9	7.9	10.9	9	10	71	81	821056	805826	<0.2	<0.2	0.4	0.4
						1.0	0.5	104	28.0		8.2		31.9		106.0		6.9		7.9		9		72				<0.2		0.4	
					Middle	3.3	0.4	89	27.9	28.0	8.2	8.2	31.9	31.9	105.8	105.8	6.9		10.7		10		81				<0.2		0.4	
						3.3	0.4	94	28.0		8.2		31.9		105.7		6.9		10.7		9		83				<0.2		0.4	
					Bottom	5.5	0.3	187	27.9	27.9	8.2	8.2	31.9	31.9	106.3	106.5	7.0	7.0	14.2		12		88				<0.2		0.4	
						5.5	0.3	195	27.9		8.2		31.9		106.7		7.0		14.0		10		89				<0.2		0.4	
IM7	Fine	Calm	14:34	7.5	Surface	1.0	0.2	113	27.8	27.9	8.2	8.2	32.1	32.1	109.3	109.3	7.2	7.2	6.8	7.6	10	12	68	75	821354	806835	<0.2	<0.2	0.4	0.4
						1.0	0.2	118	27.9		8.2		32.1		109.2		7.2		6.6		10		70				<0.2		0.4	
					Middle	3.8	0.2	159	27.8	27.8	8.2	8.2	32.1	32.1	108.7	108.8	7.1		7.8		12		73				<0.2		0.4	
						3.8	0.3	167	27.8		8.2		32.1		108.8		7.1		7.8		12		75				<0.2		0.4	
					Bottom	6.5	0.4	213	27.8	27.8	8.2	8.2	32.1	32.1	109.1	109.3	7.2	7.2	8.4		12		84				<0.2		0.4	
						6.5	0.4	214	27.8		8.2		32.1		109.4		7.2		8.4		13		82				<0.2		0.4	
IM8	Cloudy	Moderate	15:12	7.7	Surface	1.0	0.5	68	25.4	25.4	8.0	8.0	31.7	31.7	111.6	111.6	7.6	7.6	1.1	1.7	5	6	82	89	821691	807853	<0.2	<0.2	0.4	0.5
						1.0	0.6	71	25.4		8.0		31.7		111.6		7.6		1.1		5		84				<0.2		0.5	
					Middle	3.9	0.4	246	25.4	25.4	7.9	7.9	31.7	31.7	110.4	110.4	7.6		1.5		5		91				<0.2		0.5	
						3.9	0.4	262	25.4		7.9		31.7		110.4		7.6		1.5		5		91				<0.2		0.5	
					Bottom	6.7	0.4	256	25.4	25.4	7.9	7.9	31.6	31.6	109.8	109.8	7.5	7.5	2.6		8		93				<0.2		0.5	
						6.7	0.5	263	25.4		7.9		31.6		109.8		7.5		2.6		7		92				<0.2		0.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:20	7.1	Surface	1.0	0.5	295	25.4	25.4	8.0	8.0	31.9	31.9	109.5	109.5	7.5	7.5	1.6	1.4	10	9	85	89	822103	808817	<0.2	<0.2	0.5	0.5
						1.0	0.5	310	25.4		8.0		31.9		109.5		7.5		1.7		9		84				<0.2		0.5	
					Middle	3.6	0.5	261	25.4	25.4	7.9	7.9	31.9	31.9	109.4	109.4	7.5		0.9		10		90				<0.2		0.4	
						3.6	0.5	270	25.4		7.9		31.9		109.4		7.5		0.9		8		90				<0.2		0.4	
					Bottom	6.1	0.5	165	25.4	25.4	7.9	7.9	32.0	32.0	108.9	108.9	7.4	7.4	1.6		10		92				<0.2		0.5	
						6.1	0.5	172	25.4		7.9		32.0		108.8		7.4		1.6		9		92				<0.2		0.5	
IM10	Cloudy	Moderate	15:27	7.2	Surface	1.0	0.8	298	25.5	25.5	8.0	8.0	32.1	32.1	111.5	111.5	7.6	7.6	1.6	3.2	5	6	83	89	822250	809838	<0.2	<0.2	0.4	0.5
						1.0	0.8	299	25.5		8.0		32.1		111.5		7.6		1.5		7		84				<0.2		0.5	
					Middle	3.6	0.5	291	25.4	25.4	7.9	7.9	32.2	32.2	109.8	109.8	7.5		2.2		7		90				<0.2		0.5	
						3.6	0.6	313	25.4		7.9		32.2		109.8		7.5		2.2		7		91				<0.2		0.5	
					Bottom	6.2	0.4	209	25.2	25.2	7.9	7.9	32.2	32.2	108.2	108.2	7.4	7.4	5.9		6		93				<0.2		0.4	
						6.2	0.5	218	25.2		7.9		32.2		108.2		7.4		5.9		6		94				<0.2		0.4	
IM11	Cloudy	Moderate	15:33	7.9	Surface	1.0	0.5	283	25.2	25.2	8.0	8.0	32.2	32.2	113.2	113.2	7.8	7.6	1.3	2.6	8	8	84	89	821513	810526	<0.2	<0.2	0.4	0.5
						1.0	0.6	310	25.2		8.0		32.2		113.1		7.8		1.3		8		83				<0.2		0.4	
					Middle	4.0	0.8	285	25.2	25.2	8.0	8.0	32.3	32.3	108.6	108.3	7.4		2.3		7		90				<0.2		0.6	
						4.0	0.8	296	25.2		8.0		32.3		107.9		7.4		2.6		7		89				<0.2		0.6	
					Bottom	6.9	0.6	284	25.2	25.2	7.9	7.9	32.5	32.5	107.3	107.3	7.4	7.4	4.0		10		94				<0.2		0.4	
						6.9	0.7	289	25.2		7.9		32.5		107.3		7.4		4.0		8		92				<0.2		0.5	
IM12	Cloudy	Moderate	15:44	8.5	Surface	1.0	0.5	287	25.2	25.2	8.0	8.0	32.4	32.4	113.9	113.9	7.8	7.6	1.7	4.7	7	9	83	89	821170	811534	<0.2	<0.2	0.6	0.5
						1.0	0.5	296	25.2		8.0		32.4		113.8		7.8		1.7		7		84				<0.2		0.6	
					Middle	4.3	0.8	284	25.2	25.2	8.0	8.0	32.5	32.5	108.4	108.0	7.4		4.0		8		89				<0.2		0.5	
						4.3	0.8	312	25.2		8.0		32.5		107.6		7.4		4.4		8		90				<0.2		0.5	
					Bottom	7.5	0.9	265	25.2	25.2	7.9	7.9	32.8	32.8	108.2	108.4	7.4	7.4	8.2		12		92				<0.2		0.4	
						7.5	0.9	276	25.2		7.9		32.7		108.5		7.4		8.2		11		93				<0.2		0.4	
SR2	Cloudy	Moderate	16:02	4.4	Surface	1.0	0.2	187	25.6	25.6	7.9	7.9	32.6	32.6	100.5	100.5	6.8	6.8	4.2	8.5	6	7	85	89	821470	814147	<0.2	<0.2	0.4	0.5
						1.0	0.2	196	25.6		7.9		32.6		100.5		6.8		4.2		6		87				<0.2		0.5	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	195	25.6	25.6	7.8	7.8	32.7	32.7	100.4	100.4	6.8	6.8	12.9		7		91				<0.2		0.4	
						3.4	0.2	198	25.6		7.8		32.7		100.4		6.8		12.8		8		92				<0.2		0.5	
SR3	Cloudy	Moderate	15:09	8.6	Surface	1.0	0.5	80	25.4	25.4	7.9	7.9	31.0	31.0	110.0	110.0	7.6	7.6	0.4	0.8	7	9	-	-	822136	807558	-	-	-	-
						1.0	0.6	81	25.4		7.9		31.0		110.0		7.6		0.4		8		-				-		-	
					Middle	4.3	0.5	114	25.4	25.4	7.9	7.9	31.1	31.1	109.4	109.4	7.5		0.4		8		-				-		-	
						4.3	0.5	124	25.4		7.9		31.0		109.4		7.5		0.4		10		-				-		-	
					Bottom	7.6	0.4	109	25.4	25.4	7.9	7.9	31.4	31.4	108.1	108.1	7.4	7.4	1.4		10		-				-		-	
						7.6	0.5	117	25.4		7.9		31.4		108.1		7.4		1.5		12		-				-		-	
SR4A	Fine	Calm	16:08	8.2	Surface	1.0	0.2	146	28.0	28.0	8.1	8.1	30.6	30.7	106.4	106.4	7.0	7.0	4.6	5.8	10	10	-	-	817190	807813	-	-	-	-
						1.0	0.3	153	27.9		8.1		30.7		106.3		7.0		4.7		9		-				-		-	
					Middle	4.1	0.3	90	27.9	27.9	8.1	8.1	30.9	31.0	104.5	104.5	6.9		6.0		9		-				-		-	
						4.1	0.3	94	27.8		8.1		31.0		104.5		6.9		6.1		11		-				-		-	
					Bottom	7.2	0.6	71	27.8	27.8	8.1	8.1	31.2	31.2	106.9	107.0	7.1	7.1	6.5		10		-				-		-	
						7.2	0.6	71	27.8		8.1		31.1		107.1		7.1		6.6		11		-				-		-	
SR5A	Fine	Calm	16:28	4.2	Surface	1.0	0.3	143	28.1	28.1	8.1	8.1	30.5	30.5	113.1	113.1	7.5	7.5	7.2	7.1	12	12	-	-	816597	810696	-	-	-	-
						1.0	0.3	151	28.1		8.1		30.5		113.1		7.5		7.1		13		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	123	28.1	28.1	8.1	8.1	30.5	30.5	113.4	113.5	7.5	7.5	7.1		13		-				-		-	
						3.2	0.3	128	28.1		8.1		30.5		113.5		7.5		7.1		11		-				-		-	
SR6	Fine	Calm	16:51	4.4	Surface	1.0	0.2	212	28.2	28.2	8.2	8.2	30.5	30.5	117.9	117.9	7.8	7.8	6.9	8.3	12	13	-	-	817904	814661	-	-	-	-
						1.0	0.2	219	28.2		8.2		30.5		117.8		7.8		7.0		12		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	203	28.1	28.1	8.1	8.1	30.8	30.8	110.8	110.8	7.3	7.3	9.6		13		-				-		-	
						3.4	0.1	217	28.1		8.1		30.8		110.8		7.3		9.7		13		-				-		-	
SR7	Cloudy	Moderate	16:59	17.7	Surface	1.0	0.2	87	25.7	25.7	7.9	7.9	32.7	32.7	95.3	95.3	6.5	6.5	1.1	1.4	4	7	-	-	823654	823731	-	-	-	-
						1.0	0.2	90	25.7		7.9		32.7		95.3		6.5		1.1		5		-				-		-	
					Middle	8.9	0.2	195	25.7	25.7	7.9	7.9	32.7	32.7	95.0	95.0	6.4		1.4		7		-				-		-	
						8.9	0.2	213	25.7		7.9		32.7		95.0		6.4		1.4		7		-				-		-	
					Bottom	16.7	0.3	200	25.7	25.7	7.9	7.9	32.7	32.7	96.0	96.1	6.5	6.5	1.7		8		-				-		-	
						16.7	0.3	205	25.7		7.9		32.7		96.1		6.5		1.7		8		-				-		-	
SR8	Cloudy	Moderate	15:50	5.0	Surface	1.0	0.3	217	25.6	25.6	8.0	8.0	32.1	32.1	114.8	114.9	7.8	7.8	3.7	4.5	12	12	-	-	820432	811579	-	-	-	-
						1.0	0.3	230	25.6		8.0		32.1		114.9		7.8		3.8		11		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	127	25.2	25.2	7.9	7.9	32.3	32.3	113.1	113.1	7.8	7.8	5.2		12		-				-		-	
						4.0	0.3	135	25.2		7.9		32.3		113.1		7.8		5.4		12		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 October 16 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	Calm	07:56	8.4	Surface	1.0	0.8	229	27.5	27.5	8.2	8.2	32.7	32.7	101.8	101.8	6.7	6.7	4.4	4.5	9	9	70	79	815631	804244	0.0	0	0.6	0.4
						1.0	0.8	250	27.5		8.2		32.7		101.8		6.7		4.4		9		69				0.0		0.4	
					Middle	4.2	0.7	203	27.5	27.5	8.2	8.2	32.6	32.6	101.6	101.6	6.7		4.7		7		77				0.0		0.4	
						4.2	0.8	207	27.5		8.2		32.6		101.6		6.7		4.7		9		79				0.0		0.4	
					Bottom	7.4	0.7	211	27.5	27.5	8.1	8.1	32.6	32.6	101.7	101.8	6.7	6.7	4.4		11		87				0.0		0.4	
						7.4	0.7	221	27.5		8.1		32.6		101.8		6.7		4.5		9		90				0.0		0.4	
C2	Cloudy	Moderate	09:21	12.6	Surface	1.0	0.5	178	25.3	25.3	7.9	7.9	30.9	30.9	102.3	102.3	7.1	7.1	1.8	8.4	8	8	82	88	825692	806928	0.0	0	1.1	0.9
						1.0	0.5	187	25.3		7.9		30.9		102.3		7.1		1.9		8		83				0.0		0.9	
					Middle	6.3	0.7	200	25.3	25.3	7.9	7.9	31.1	31.1	102.2	102.2	7.0		5.8		7		90				0.0		1.1	
						6.3	0.7	215	25.3		7.9		31.1		102.1		7.0		5.9		8		90				0.0		1.0	
					Bottom	11.6	0.6	210	25.5	25.5	7.9	7.9	31.8	31.8	101.6	101.6	7.0	7.0	17.6		9		92				<0.2		0.8	
						11.6	0.6	210	25.5		7.9		31.8		101.6		7.0		17.5		9		92				<0.2		0.7	
C3	Rainy	Moderate	07:24	12.5	Surface	1.0	0.6	165	25.6	25.6	7.8	7.8	33.9	33.9	95.4	95.4	6.4	6.5	1.1	1.2	5	5	89	91	822114	817803	<0.2	<0.2	0.6	0.4
						1.0	0.6	173	25.6		7.8		33.9		95.4		6.4		1.2		4		87				<0.2		0.3	
					Middle	6.3	0.6	188	25.6	25.6	7.8	7.8	33.9	33.9	95.6	95.7	6.5		1.1		4		91				<0.2		0.4	
						6.3	0.6	195	25.6		7.8		33.9		95.7		6.5		1.1		5		90				<0.2		0.4	
					Bottom	11.5	0.7	163	25.6	25.6	7.8	7.8	33.9	33.9	96.8	96.9	6.5	6.5	1.3		6		93				<0.2		0.4	
						11.5	0.7	169	25.6		7.8		33.9		96.9		6.5		1.3		8		93				<0.2		0.4	
IM1	Fine	Calm	08:22	7.1	Surface	1.0	0.6	218	27.5	27.5	8.2	8.2	32.5	32.5	102.4	102.4	6.8	6.8	3.7	6.4	7	11	73	81	818369	806469	<0.2	<0.2	0.4	0.4
						1.0	0.6	222	27.5		8.2		32.5		102.4		6.8		4.0		9		75				<0.2		0.4	
					Middle	3.6	0.6	225	27.5	27.5	8.2	8.2	32.4	32.5	102.8	102.8	6.8		6.1		12		80				<0.2		0.4	
						3.6	0.6	241	27.5		8.2		32.5		102.8		6.8		6.2		13		82				<0.2		0.3	
					Bottom	6.1	0.7	202	27.5	27.5	8.2	8.2	32.5	32.5	104.8	104.8	6.9	6.9	9.1		14		88				<0.2		0.4	
						6.1	0.8	204	27.5		8.2		32.4		104.8		6.9		9.1		13		89				<0.2		0.4	
IM2	Fine	Calm	08:28	7.8	Surface	1.0	0.3	182	27.4	27.4	8.2	8.2	32.0	32.0	108.9	108.9	7.2	7.2	2.4	2.8	4	6	68	78	818858	806175	<0.2	<0.2	0.5	0.4
						1.0	0.3	193	27.4		8.2		32.0		108.8		7.2		2.5		5		70				<0.2		0.5	
					Middle	3.9	0.5	185	27.5	27.5	8.2	8.2	32.2	32.2	107.2	107.2	7.1		2.7		6		75				<0.2		0.4	
						3.9	0.5	191	27.4		8.2		32.2		107.1		7.1		2.7		5		78				<0.2		0.4	
					Bottom	6.8	0.3	197	27.5	27.5	8.2	8.2	32.3	32.3	108.0	108.0	7.1	7.1	3.3		6		87				<0.2		0.4	
						6.8	0.3	209	27.5		8.2		32.3		108.0		7.1		3.1		7		90				<0.2		0.4	
IM3	Fine	Calm	08:46	7.3	Surface	1.0	0.4	186	27.5	27.5	8.2	8.2	31.9	31.9	110.0	109.9	7.3	7.2	3.0	4.3	6	7	71	79	819395	806034	<0.2	<0.2	0.5	0.5
						1.0	0.4	199	27.5		8.2		31.9		109.8		7.3		2.8		6		71				<0.2		0.5	
					Middle	3.7	0.6	208	27.5	27.5	8.2	8.2	32.1	32.1	107.8	107.8	7.1		4.7		5		78				<0.2		0.5	
						3.7	0.7	228	27.5		8.2		32.1		107.8		7.1		4.6		4		79				<0.2		0.4	
					Bottom	6.3	0.5	179	27.5	27.5	8.2	8.2	32.2	32.2	108.9	109.0	7.2	7.2	5.4		9		87				<0.2		0.4	
						6.3	0.5	181	27.5		8.2		32.2		109.0		7.2		5.4		9		89				<0.2		0.4	
IM4	Fine	Calm	08:53	7.5	Surface	1.0	0.4	169	27.4	27.4	8.2	8.2	32.0	32.0	111.5	111.4	7.4	7.4	4.4	5.3	9	11	72	82	819570	805021	<0.2	<0.2	0.5	0.5
						1.0	0.4	182	27.4		8.2		31.9		111.3		7.4		4.3		8		75				<0.2		0.6	
					Middle	3.8	0.5	230	27.5	27.5	8.2	8.2	32.0	32.0	110.3	110.3	7.3		5.4		10		82				<0.2		0.5	
						3.8	0.5	234	27.4		8.2		32.0		110.3		7.3		5.4		10		83				<0.2		0.4	
					Bottom	6.5	0.5	186	27.5	27.5	8.2	8.2	32.0	32.0	110.1	110.1	7.3	7.3	6.2		15		90				<0.2		0.4	
						6.5	0.5	188	27.5		8.2		32.0		110.1		7.3		6.3		15		92				<0.2		0.5	
IM5	Fine	Calm	09:01	6.4	Surface	1.0	0.3	171	27.6	27.6	8.2	8.2	31.9	31.9	109.7	109.7	7.2	7.2	7.5	10.1	12	14	70	81	820549	804943	<0.2	<0.2	0.5	0.5
						1.0	0.3	184	27.6		8.2		31.9		109.6		7.2		7.6		14		72				<0.2		0.5	
					Middle	3.2	0.5	209	27.6	27.6	8.2	8.2	31.9	31.9	109.3	109.3	7.2		10.3		14		79				<0.2		0.6	
						3.2	0.6	222	27.6		8.2		31.9		109.3		7.2		10.5		14		82				<0.2		0.6	
					Bottom	5.4	0.5	173	27.6	27.6	8.2	8.2	31.9	31.9	109.1	109.1	7.2	7.2	12.1		16		89				<0.2		0.5	
						5.4	0.5	189	27.6		8.2		31.8		109.1		7.2		12.8		15		91				<0.2		0.5	
IM6	Fine	Calm	09:09	6.4	Surface	1.0	0.6	168	27.6	27.6	8.2	8.2	31.8	31.8	110.8	110.8	7.3	7.3	4.3	5.2	11	14	73	83	821061	805819	<0.2	<0.2	0.5	0.6
						1.0	0.7	171	27.6		8.2		31.8		110.8		7.3		4.5		12		76				<0.2		0.6	
					Middle	3.2	0.6	218	27.6	27.6	8.2	8.2	31.8	31.8	109.7	109.7	7.2		5.2		14		85				<0.2		0.6	
						3.2	0.7	222	27.6		8.2		31.8		109.6		7.2		5.3		15		85				<0.2		0.5	
					Bottom	5.4	0.6	193	27.6	27.6	8.2	8.2	31.9	31.9	109.5	109.5	7.2	7.2	5.9		17		90				<0.2		0.6	
						5.4	0.6	199	27.6		8.2		31.9		109.5		7.2		6.0		15		90				<0.2		0.5	
IM7	Fine	Calm	09:18	7.4	Surface	1.0	0.3	160	27.9	27.9	8.2	8.2	31.8	31.8	107.0	107.0	7.0	7.0	9.7	12.4	17	17	69	78	821368	806828	<0.2	<0.2	0.5	0.5
						1.0	0.4	162	27.9		8.2		31.8		107.0		7.0		9.8		17		71				<0.2		0.6	
					Middle	3.7	0.4	217	28.0	28.0	8.2	8.2	31.7	31.7	106.9	106.9	7.0		11.3		16		76				<0.2		0.5	
						3.7	0.4	234	28.0		8.2		31.7		106.9		7.0		11.5		16		76				<0.2		0.4	
					Bottom	6.4	0.3	158	28.0	28.0	8.2	8.2	31.7	31.7	107.1	107.1	7.0	7.0	16.2		18		86				<0.2		0.6	
						6.4	0.3	162	28.0		8.2		31.7		107.1		7.0		15.8		17		87				<0.2		0.5	
IM8	Cloudy	Moderate	08:44	7.8	Surface	1.0	0.3	161	25.2	25.2	8.0	8.0	32.3	32.3	113.2	113.2	7.8	7.8	1.6	1.7	4	7	84	90	821706	807853	<0.2	<0.2	0.6	0.6
						1.0	0.3	174	25.2		8.0		32.3		113.1		7.8		1.5		4		86				<0.2		0.5	
					Middle	3.9	0.4	114	25.2	25.2	8.0	8.0	32.4	32.4	112.4	112.4	7.7		1.7		7		90				<0.2		0.6	
						3.9	0.4	121	25.2		8.0		32.4		112.4		7.7		1.7		6		92				<0.2		0.5	
					Bottom	6.8	0.5	178	25.1	25.1	8.0	8.0	32.8	32.8	109.7	109.7	7.5	7.5	1.9		9		92				<0.2		0.6	
						6.8	0.5	186	25.1		8.0		32.8		109.7		7.5		1.9		10		93				<0.2		0.7	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Cloudy	Moderate	08:36	7.5	Surface	1.0	0.4	144	25.1	25.1	8.0	8.0	32.4	32.4	111.5	111.5	7.7	7.7	1.5	2.1	5	8	83	89	822095	808810	<0.2	<0.2	0.6	0.6
						1.0	0.5	146	25.1		8.0		32.4		111.4		7.7		1.6		6		85				<0.2		0.6	
					Middle	3.8	0.4	124	25.1	25.1	8.0	8.0	32.5	32.5	110.3	110.4	7.6		1.7		9		89				<0.2		0.6	
						3.8	0.4	124	25.1		8.0		32.5		110.4		7.6		1.8		9		91				<0.2		0.6	
					Bottom	6.5	0.5	158	25.0	25.0	8.0	8.0	33.0	33.0	108.2	108.2	7.4	7.4	2.9		10		92				<0.2		0.6	
						6.5	0.6	160	25.0		8.0		33.0		108.2		7.4		2.8		10		93				<0.2		0.6	
IM10	Cloudy	Moderate	08:26	7.6	Surface	1.0	0.5	122	25.3	25.3	7.9	7.9	33.2	33.2	109.5	109.5	7.5	7.4	1.4	2.7	4	10	86	90	822238	809837	<0.2	<0.2	0.4	0.4
						1.0	0.5	129	25.3		7.9		33.2		109.5		7.5		1.5		5		85				<0.2		0.4	
					Middle	3.8	0.4	109	25.2	25.2	7.9	7.9	33.3	33.4	107.2	107.2	7.3		2.6		4		90				<0.2		0.5	
						3.8	0.4	109	25.2		7.9		33.4		107.2		7.3		2.7		5		91				<0.2		0.5	
					Bottom	6.6	0.6	147	25.1	25.1	7.9	7.9	33.6	33.6	106.5	106.6	7.3	7.3	3.9		20		93				<0.2		0.4	
						6.6	0.6	148	25.1		7.9		33.6		106.6		7.3		3.9		21		92				<0.2		0.4	
IM11	Cloudy	Moderate	08:18	8.2	Surface	1.0	0.7	101	25.2	25.2	7.9	7.9	33.1	33.1	107.4	107.4	7.3	7.3	2.6	6.1	5	9	85	89	821493	810561	<0.2	<0.2	0.6	0.5
						1.0	0.7	106	25.2		7.9		33.1		107.3		7.3		2.7		4		85				<0.2		0.6	
					Middle	4.1	0.6	89	25.2	25.2	7.9	7.9	33.3	33.3	106.3	106.3	7.2		5.0		9		90				<0.2		0.5	
						4.1	0.6	94	25.2		7.9		33.3		106.3		7.2		5.0		10		90				<0.2		0.5	
					Bottom	7.2	0.7	121	25.2	25.2	7.9	7.9	33.9	33.9	105.8	105.8	7.2	7.2	10.5		12		92				<0.2		0.4	
						7.2	0.7	128	25.2		7.9		33.9		105.8		7.2		10.5		13		92				<0.2		0.4	
IM12	Cloudy	Moderate	08:10	9.1	Surface	1.0	0.7	88	25.3	25.3	7.9	7.9	32.9	32.9	105.7	105.7	7.2	7.2	2.0	4.5	5	8	86	90	821175	811536	<0.2	<0.2	0.6	0.5
						1.0	0.7	90	25.3		7.9		32.9		105.6		7.2		2.0		4		85				<0.2		0.5	
					Middle	4.6	0.6	93	25.3	25.3	7.9	7.9	33.0	33.0	103.9	103.9	7.1		3.6		9		89				<0.2		0.5	
						4.6	0.6	98	25.3		7.9		33.0		103.8		7.1		3.7		7		91				<0.2		0.4	
					Bottom	8.1	0.7	109	25.3	25.3	7.9	7.9	33.5	33.6	102.0	102.0	6.9	6.9	7.8		10		93				<0.2		0.5	
						8.1	0.7	114	25.3		7.9		33.6		102.0		6.9		7.8		11		93				<0.2		0.6	
SR2	Cloudy	Moderate	07:48	5.2	Surface	1.0	0.4	64	25.4	25.4	7.8	7.8	33.4	33.4	95.7	95.7	6.5	6.5	2.6	3.7	5	5	87	88	821468	814153	<0.2	<0.2	0.5	0.6
						1.0	0.5	65	25.4		7.8		33.4		95.6		6.5		2.6		5		84				<0.2		0.6	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.7	73	25.6	25.6	7.8	7.8	33.8	33.8	94.5	94.8	6.4	6.4	4.8		5		90				<0.2		0.6	
						4.2	0.7	78	25.6		7.8		33.8		95.0		6.4		4.8		5		90				<0.2		0.6	
SR3	Cloudy	Moderate	08:50	9.5	Surface	1.0	0.3	186	25.2	25.2	8.0	8.0	32.2	32.2	110.6	110.6	7.6	7.6	2.8	3.1	7	8	-	-	822161	807552	-	-	-	-
						1.0	0.4	203	25.2		8.0		32.2		110.5		7.6		2.8		6		-				-		-	
					Middle	4.8	0.3	177	25.2	25.2	8.0	8.0	32.2	32.2	109.1	109.1	7.5		3.0		8		-				-		-	
						4.8	0.3	182	25.2		8.0		32.2		109.1		7.5		3.0		9		-				-		-	
					Bottom	8.5	0.6	188	25.1	25.1	8.0	8.0	32.4	32.4	108.3	108.3	7.4	7.4	3.5		10		-				-		-	
						8.5	0.6	190	25.1		8.0		32.4		108.3		7.4		3.6		9		-				-		-	
SR4A	Fine	Calm	07:36	8.3	Surface	1.0	0.2	173	27.6	27.6	8.1	8.1	32.5	32.5	101.1	101.1	6.6	6.6	4.1	4.2	7	8	-	-	817196	807801	-	-	-	-
						1.0	0.2	182	27.6		8.1		32.5		101.0		6.6		3.9		8		-				-		-	
					Middle	4.2	0.3	117	27.6	27.7	8.1	8.1	32.8	32.8	101.1	101.1	6.6		4.1		9		-				-		-	
						4.2	0.3	119	27.7		8.1		32.8		101.1		6.6		4.1		8		-				-		-	
					Bottom	7.3	0.3	137	27.7	27.7	8.1	8.1	33.1	33.1	101.9	102.0	6.7	6.7	4.4		8		-				-		-	
						7.3	0.3	140	27.7		8.1		33.1		102.0		6.7		4.5		9		-				-		-	
SR5A	Fine	Calm	07:18	3.9	Surface	1.0	0.2	136	28.1	28.1	8.1	8.1	30.9	30.9	105.5	105.5	6.9	6.9	2.8	3.0	7	9	-	-	816600	810681	-	-	-	-
						1.0	0.2	148	28.1		8.1		30.8		105.4		6.9		2.6		7		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	156	28.0	28.0	8.1	8.1	30.9	30.9	106.1	106.3	7.0	7.0	3.3		11		-				-		-	
						2.9	0.2	156	28.0		8.1		30.9		106.5		7.0		3.4		10		-				-		-	
SR6	Fine	Calm	06:51	4.1	Surface	1.0	0.3	133	27.6	27.6	8.0	8.0	30.1	30.1	113.0	113.0	7.5	7.5	3.3	4.0	6	6	-	-	817891	814677	-	-	-	-
						1.0	0.3	133	27.6		8.0		30.1		112.9		7.5		3.4		5		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	101	27.9	27.9	8.0	8.0	30.0	30.0	112.8	112.9	7.5	7.5	4.5		5		-				-		-	
						3.1	0.3	102	27.8		8.0		29.9		113.0		7.5		4.9		7		-				-		-	
SR7	Rainy	Calm	06:51	17.9	Surface	1.0	0.5	83	25.8	25.8	7.9	7.9	34.0	34.0	95.6	95.6	6.4	6.4	0.9	1.1	6	7	-	-	823620	823727	-	-	-	-
						1.0	0.5	83	25.8		7.9		34.0		95.6		6.4		0.8		7		-				-		-	
					Middle	9.0	0.3	98	25.8	25.8	7.8	7.8	33.9	33.9	95.3	95.3	6.4		0.9		5		-				-		-	
						9.0	0.4	99	25.8		7.8		33.9		95.3		6.4		0.9		6		-				-		-	
					Bottom	16.9	0.3	225	25.8	25.8	7.8	7.8	33.9	33.9	95.4	95.5	6.4	6.4	1.5		9		-				-		-	
						16.9	0.3	242	25.8		7.8		33.9		95.5		6.4		1.5		8		-				-		-	
SR8	Cloudy	Moderate	08:04	5.3	Surface	1.0	0.3	220	25.6	25.6	7.8	7.8	33.2	33.2	96.2	96.2	6.5	6.5	5.0	7.1	9	10	-	-	820416	811588	-	-	-	-
						1.0	0.3	223	25.6		7.8		33.2		96.2		6.5		5.1		9		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.3	220	25.7	25.7	7.8	7.8	33.7	33.8	97.4	97.5	6.6	6.6	9.2		11		-				-		-	
						4.3	0.3	222	25.7		7.8		33.8		97.6		6.6		9.2		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	16:56	8.6	Surface	1.0	0.3	217	27.5	27.6	8.1	8.1	32.7	32.7	99.5	99.4	6.5	6.5	8.6	10.1	14	14	81	84	815639	804245	<0.2	<0.2	0.3	0.8
						1.0	0.3	231	27.6		8.1		32.6		99.3		6.5		8.6		12		81				<0.2		0.3	
					Middle	4.3	0.2	221	27.2	27.4	8.1	8.1	32.8	32.7	99.4	99.1	6.6		9.6		14		83				<0.2		1.2	
						4.3	0.3	235	27.6		8.1		32.5		98.8		6.5		9.6		12		84				<0.2		1.1	
					Bottom	7.6	0.2	221	27.6	27.6	8.1	8.1	32.4	32.4	98.7	98.8	6.5	6.5	12.5		15		87				<0.2		1.1	
						7.6	0.3	227	27.6		8.1		32.4		98.8		6.5		11.4		15		88				<0.2		1.0	
C2	Cloudy	Moderate	15:40	10.9	Surface	1.0	0.3	262	25.2	25.2	7.9	7.9	32.0	32.0	103.9	103.9	7.1	7.0	3.6	6.9	7	10	83	89	825667	806956	<0.2	<0.2	0.6	0.6
						1.0	0.3	274	25.2		7.9		32.0		103.8		7.1		3.6		8		83				<0.2		0.7	
					Middle	5.5	0.4	260	25.1	25.1	7.9	7.9	32.5	32.5	100.5	100.5	6.9		5.2		9		91				<0.2		0.6	
						5.5	0.4	282	25.1		7.9		32.5		100.5		6.9		5.2		11		90				<0.2		0.6	
					Bottom	9.9	0.3	249	25.1	25.1	7.9	7.9	33.1	33.1	99.0	99.0	6.8	6.8	12.0		10		92				<0.2		0.4	
						9.9	0.3	270	25.1		7.9		33.1		99.0		6.8		12.0		12		94				<0.2		0.4	
C3	Cloudy	Moderate	17:44	12.2	Surface	1.0	0.6	189	25.2	25.2	7.9	7.9	31.6	31.6	96.2	96.2	6.6	6.6	2.4	3.1	6	7	88	91	822112	817806	<0.2	<0.2	0.5	0.4
						1.0	0.7	189	25.2		7.9		31.6		96.2		6.6		2.4		6		87				<0.2		0.4	
					Middle	6.1	0.5	184	25.2	25.2	7.9	7.9	31.7	31.7	95.7	95.7	6.6		3.2		6		91				<0.2		0.4	
						6.1	0.5	193	25.2		7.9		31.7		95.7		6.6		3.2		5		91				<0.2		0.4	
					Bottom	11.2	0.4	183	25.1	25.1	7.9	7.9	31.8	31.8	96.8	96.9	6.7	6.7	3.7		9		93				<0.2		0.4	
						11.2	0.5	184	25.1		7.9		31.8		96.9		6.7		3.7		7		94				<0.2		0.4	
IM1	Fine	Calm	16:34	7.8	Surface	1.0	0.4	202	27.6	27.6	8.1	8.1	32.3	32.3	98.4	98.4	6.5	6.5	4.5	6.0	7	7	79	82	818355	806469	<0.2	<0.2	0.3	0.4
						1.0	0.4	218	27.6		8.1		32.3		98.4		6.5		4.5		8		78				<0.2		0.4	
					Middle	3.9	0.4	200	27.6	27.6	8.1	8.1	32.3	32.3	98.0	98.0	6.4		5.7		7		83				<0.2		0.3	
						3.9	0.4	208	27.6		8.1		32.3		98.0		6.4		5.7		6		82				<0.2		0.3	
					Bottom	6.8	0.4	200	27.4	27.4	8.1	8.1	32.5	32.5	100.0	100.0	6.6	6.6	7.9		7		85				<0.2		0.4	
						6.8	0.4	212	27.4		8.1		32.5		100.0		6.6		7.9		7		84				<0.2		0.4	
IM2	Fine	Calm	16:28	7.6	Surface	1.0	0.7	216	27.5	27.5	8.1	8.1	32.4	32.4	102.3	102.3	6.7	6.8	8.4	11.6	11	13	79	82	818837	806186	<0.2	<0.2	0.3	0.3
						1.0	0.7	224	27.5		8.1		32.4		102.3		6.7		8.4		11		79				<0.2		0.3	
					Middle	3.8	0.6	217	27.1	27.1	8.1	8.1	32.7	32.7	102.6	102.6	6.8		12.0		10		81				<0.2		0.3	
						3.8	0.7	230	27.1		8.1		32.7		102.6		6.8		12.0		9		82				<0.2		0.3	
					Bottom	6.6	0.5	216	27.5	27.5	8.1	8.1	32.3	32.3	102.0	102.0	6.7	6.7	14.4		16		87				<0.2		0.3	
						6.6	0.6	231	27.5		8.1		32.3		102.0		6.7		14.4		18		86				<0.2		0.3	
IM3	Fine	Calm	16:22	7.7	Surface	1.0	0.6	228	27.3	27.3	8.1	8.1	32.2	32.2	103.2	103.0	6.8	6.8	9.9	12.9	14	13	77	82	819425	806007	<0.2	<0.2	0.3	0.4
						1.0	0.6	232	27.3		8.1		32.2		102.8		6.8		9.5		12		78				<0.2		0.4	
					Middle	3.9	0.6	225	27.3	27.2	8.1	8.1	32.2	32.3	102.8	103.1	6.8		13.0		12		81				<0.2		0.4	
						3.9	0.6	238	27.0		8.1		32.4		103.4		6.9		13.0		12		81				<0.2		0.3	
					Bottom	6.7	0.5	223	27.0	27.2	8.1	8.1	32.4	32.3	103.4	103.1	6.9	6.9	16.0		14		86				<0.2		0.4	
						6.7	0.5	224	27.4		8.1		32.1		102.8		6.8		16.0		15		86				<0.2		0.3	
IM4	Fine	Calm	16:13	7.9	Surface	1.0	0.5	229	27.5	27.5	8.1	8.1	32.5	32.5	101.0	101.0	6.7	6.7	9.1	11.8	12	16	77	81	819553	805024	<0.2	<0.2	0.2	0.3
						1.0	0.5	246	27.5		8.1		32.5		101.0		6.7		9.1		12		76				<0.2		0.3	
					Middle	4.0	0.4	231	27.4	27.4	8.1	8.1	32.4	32.4	100.9	100.9	6.6		11.9		16		80				<0.2		0.3	
						4.0	0.5	247	27.4		8.1		32.4		100.9		6.6		11.9		18		80				<0.2		0.2	
					Bottom	6.9	0.4	231	27.0	27.0	8.1	8.1	32.8	32.8	102.7	102.7	6.8	6.8	14.4		18		86				<0.2		0.3	
						6.9	0.4	253	27.0		8.1		32.8		102.7		6.8		14.4		17		85				<0.2		0.3	
IM5	Fine	Calm	16:06	6.7	Surface	1.0	0.5	217	27.1	27.1	8.1	8.1	32.4	32.4	106.5	106.5	7.1	7.1	10.1	12.1	14	14	77	81	820567	804937	<0.2	<0.2	0.4	0.4
						1.0	0.5	230	27.1		8.1		32.4		106.5		7.1		10.1		15		76				<0.2		0.3	
					Middle	3.4	0.5	219	27.2	27.2	8.1	8.1	32.3	32.3	106.0	106.0	7.0		12.5		15		80				<0.2		0.3	
						3.4	0.5	225	27.2		8.1		32.3		106.0		7.0		12.5		14		81				<0.2		0.3	
					Bottom	5.7	0.4	218	27.2	27.2	8.1	8.1	32.3	32.3	105.6	105.6	7.0	7.0	13.7		13		86				<0.2		0.5	
						5.7	0.4	234	27.2		8.1		32.3		105.6		7.0		13.7		13		86				<0.2		0.5	
IM6	Sunny	Calm	15:59	6.8	Surface	1.0	0.4	232	27.5	27.5	8.1	8.1	32.3	32.3	100.8	100.8	6.6	6.6	5.6	6.1	10	11	79	82	821048	805844	<0.2	<0.2	0.3	0.3
						1.0	0.4	237	27.5		8.1		32.3		100.8		6.6		5.6		8		79				<0.2		0.2	
					Middle	3.4	0.3	232	27.4	27.4	8.1	8.1	32.4	32.4	100.1	100.1	6.6		6.0		10		81				<0.2		0.3	
						3.4	0.4	250	27.4		8.1		32.4		100.1		6.6		6.0		12		81				<0.2		0.2	
					Bottom	5.8	0.3	232	27.4	27.4	8.1	8.1	32.4	32.4	101.0	101.0	6.7	6.7	6.8		12		87				<0.2		0.3	
						5.8	0.3	246	27.4		8.1		32.4		101.0		6.7		6.8		11		85				<0.2		0.3	
IM7	Fine	Calm	15:53	7.9	Surface	1.0	0.6	223	27.4	27.4	8.1	8.1	32.3	32.3	101.5	101.5	6.7	6.7	12.5	15.5	14	19	77	82	821348	806819	<0.2	<0.2	0.3	0.4
						1.0	0.7	224	27.4		8.1		32.3		101.5		6.7		12.5		14		76				<0.2		0.3	
					Middle	4.0	0.6	223	27.2	27.2	8.1	8.1	32.3	32.3	101.6	101.6	6.7		15.4		16		81				<0.2		0.3	
						4.0	0.6	240	27.2		8.1		32.3		101.6		6.7		15.4		17		81				<0.2		0.4	
					Bottom	6.9	0.5	223	26.9	26.9	8.1	8.1	32.5	32.5	102.7	102.7	6.8	6.8	18.7		26		87				<0.2		0.5	
						6.9	0.5	225	26.9		8.1		32.5		102.7		6.8		18.7		26		87				<0.2		0.4	
IM8	Cloudy	Moderate	16:15	7.7	Surface	1.0	0.6	209	25.0	25.0	7.9	7.9	32.1	32.1	102.3	102.3	7.1	7.1	4.5	8.3	10	10	86	89	821697	807824	<0.2	<0.2	0.3	0.3
						1.0	0.6	225	25.0		7.9		32.1		102.3		7.1		4.8		8		84				<0.2		0.3	
					Middle	3.9	0.5	223	25.0	25.0	7.9	7.9	32.1	32.1	102.0	102.0	7.0		3.9		8		90				<0.2		0.4	
						3.9	0.5	240	25.0		7.9		32.1		102.0		7.0		3.7		11		90				<0.2		0.3	
					Bottom	6.7	0.4	223	25.0	25.0	7.9	7.9	32.2	32.2	101.8	101.8	7.0	7.0	16.3		9		92				<0.2		0.3	
						6.7	0.4	237	25.0		7.9		32.2		101.8		7.0		16.3		11		92				<0.2		0.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	16:25	6.7	Surface	1.0	0.4	222	25.2	25.2	7.9	7.9	32.2	32.2	102.7	102.7	7.0	7.0	2.3	4.3	8	10	86	90	822084	808799	<0.2	<0.2	0.5	0.4
						1.0	0.4	224	25.2		7.9		32.2		102.7		7.0		2.3		9		87				<0.2		0.5	
					Middle	3.4	0.4	233	25.0	25.0	7.9	7.9	32.4	32.4	102.3	102.3	7.0		4.0		8		91				<0.2		0.4	
						3.4	0.4	238	25.0		7.9		32.4		102.3		7.0		4.1		10		90				<0.2		0.3	
					Bottom	5.7	0.4	229	25.0	25.0	7.9	7.9	32.7	32.7	104.2	104.2	7.2	7.2	6.3		13		92				<0.2		0.4	
						5.7	0.4	248	25.0		7.9		32.7		104.2		7.2		6.5		12		93				<0.2		0.4	
IM10	Cloudy	Moderate	16:35	7.1	Surface	1.0	0.3	225	25.1	25.1	7.9	7.9	32.0	32.0	102.0	102.0	7.0	7.0	1.9	2.6	6	7	86	90	822251	809842	<0.2	<0.2	0.3	0.3
						1.0	0.3	236	25.1		7.9		31.9		101.9		7.0		1.9		5		87				<0.2		0.2	
					Middle	3.6	0.3	242	25.1	25.1	7.9	7.9	32.0	32.0	100.8	100.8	6.9		2.9		8		90				<0.2		0.4	
						3.6	0.3	251	25.1		7.9		32.0		100.8		6.9		2.8		6		90				<0.2		0.3	
					Bottom	6.1	0.3	226	25.0	25.0	7.9	7.9	31.9	31.9	101.0	101.1	7.0	7.0	3.0		7		93				<0.2		0.4	
						6.1	0.3	234	25.0		7.9		31.9		101.1		7.0		3.1		7		93				<0.2		0.4	
IM11	Cloudy	Moderate	16:46	7.5	Surface	1.0	0.4	249	25.2	25.2	7.9	7.9	32.2	32.2	102.6	102.6	7.0	7.0	1.9	3.1	10	10	87	91	821486	810538	<0.2	<0.2	0.3	0.3
						1.0	0.5	258	25.2		7.9		32.2		102.5		7.0		1.9		9		88				<0.2		0.3	
					Middle	3.8	0.4	255	24.8	24.8	7.9	7.9	32.4	32.4	101.7	101.7	7.0		2.9		9		91				<0.2		0.2	
						3.8	0.4	257	24.8		7.9		32.4		101.7		7.0		2.9		11		91				<0.2		0.2	
					Bottom	6.5	0.3	252	24.7	24.7	7.9	7.9	32.6	32.6	102.5	102.5	7.1	7.1	4.4		10		93				<0.2		0.4	
						6.5	0.4	267	24.7		7.9		32.6		102.5		7.1		4.5		12		93				<0.2		0.2	
IM12	Cloudy	Moderate	16:56	7.9	Surface	1.0	0.4	255	25.1	25.1	7.9	7.9	32.3	32.4	103.7	103.7	7.1	7.1	1.7	2.1	10	10	85	89	821157	811503	<0.2	<0.2	0.2	0.2
						1.0	0.4	266	25.1		7.9		32.4		103.7		7.1		1.8		9		87				<0.2		0.2	
					Middle	4.0	0.4	256	24.9	24.9	7.9	7.9	32.5	32.5	103.2	103.2	7.1		2.2		10		89				<0.2		0.2	
						4.0	0.4	261	24.9		7.9		32.5		103.2		7.1		2.3		9		91				<0.2		0.3	
					Bottom	6.9	0.4	260	24.8	24.8	7.9	7.9	32.6	32.6	103.7	103.7	7.1	7.2	2.4		10		92				<0.2		0.2	
						6.9	0.4	283	24.8		7.9		32.6		103.7		7.2		2.4		11		92				<0.2		0.2	
SR2	Cloudy	Moderate	17:21	4.4	Surface	1.0	0.4	308	25.1	25.1	7.9	7.9	31.7	31.7	105.3	105.4	7.3	7.3	4.8	5.5	7	10	86	89	821461	814154	<0.2	<0.2	0.3	0.3
						1.0	0.4	308	25.1		7.9		31.7		105.4		7.3		4.8		8		87				<0.2		0.3	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	274	25.1	25.1	7.8	7.8	32.0	32.0	105.4	105.4	7.3	7.3	6.2		12		91				<0.2		0.3	
						3.4	0.3	288	25.1		7.8		32.0		105.4		7.3		6.0		14		91				<0.2		0.3	
SR3	Cloudy	Moderate	16:05	8.6	Surface	1.0	0.7	203	25.1	25.1	7.9	7.9	31.7	31.7	103.3	103.3	7.1	7.1	2.4	7.1	8	10	-	-	822148	807570	-	-	-	-
						1.0	0.7	213	25.1		7.9		31.7		103.3		7.1		2.4		9		-				-		-	
					Middle	4.3	0.6	222	25.1	25.1	7.9	7.9	31.9	32.0	102.0	102.0	7.0		4.6		8		-				-		-	
						4.3	0.6	232	25.1		7.9		32.0		102.0		7.0		5.1		8		-				-		-	
					Bottom	7.6	0.4	215	25.0	25.0	7.8	7.8	32.4	32.4	103.8	103.9	7.1	7.1	14.0		13		-				-		-	
						7.6	0.4	224	25.0		7.8		32.4		103.9		7.1		14.0		13		-				-		-	
SR4A	Fine	Calm	17:18	8.9	Surface	1.0	0.4	249	27.4	27.6	8.1	8.1	32.0	31.9	99.4	99.0	6.6	6.5	9.5	13.9	14	14	-	-	817182	807818	-	-	-	-
						1.0	0.4	268	27.8		8.0		31.7		98.5		6.5		10.1		12		-				-		-	
					Middle	4.5	0.3	252	27.5	27.6	8.0	8.0	31.9	31.9	97.8	97.7	6.5		11.9		14		-				-		-	
						4.5	0.4	255	27.6		8.0		31.9		97.6		6.4		12.0		14		-				-		-	
					Bottom	7.9	0.3	253	27.2	27.4	8.0	8.0	32.2	32.1	99.1	98.9	6.6	6.6	20.0		15		-				-		-	
						7.9	0.3	253	27.6		8.0		31.9		98.7		6.5		20.1		16		-				-		-	
SR5A	Fine	Calm	17:36	4.4	Surface	1.0	0.2	292	27.7	27.7	8.0	8.0	31.4	31.4	99.5	99.5	6.6	6.6	7.0	6.6	12	15	-	-	816610	810682	-	-	-	-
						1.0	0.3	303	27.7		8.0		31.4		99.5		6.6		7.0		14		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	292	27.8	27.8	8.0	8.0	31.4	31.4	100.4	100.4	6.6	6.6	6.2		16		-				-		-	
						3.4	0.3	310	27.8		8.0		31.4		100.4		6.6		6.2		17		-				-		-	
SR6	Fine	Calm	18:01	4.6	Surface	1.0	0.2	286	27.6	27.6	8.0	8.0	31.6	31.6	98.1	98.1	6.5	6.5	11.7	12.5	16	15	-	-	817918	814676	-	-	-	-
						1.0	0.2	304	27.6		8.0		31.6		98.1		6.5		11.7		14		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	284	27.5	27.5	8.0	8.0	31.7	31.7	100.3	100.3	6.6	6.6	13.3		14		-				-		-	
						3.6	0.2	288	27.5		8.0		31.7		100.3		6.6		13.3		15		-				-		-	
SR7	Cloudy	Moderate	18:20	17.7	Surface	1.0	0.2	141	25.5	25.5	7.9	7.9	31.4	31.4	93.6	93.6	6.4	6.4	1.7	2.5	10	10	-	-	823616	823726	-	-	-	-
						1.0	0.2	151	25.5		7.9		31.4		93.6		6.4		1.7		9		-				-		-	
					Middle	8.9	0.2	151	25.5	25.5	7.9	7.9	31.4	31.4	93.3	93.3	6.4		2.4		8		-				-		-	
						8.9	0.2	163	25.5		7.9		31.4		93.3		6.4		2.4		10		-				-		-	
					Bottom	16.7	0.2	168	25.5	25.5	7.9	7.9	31.4	31.4	94.0	94.1	6.5	6.5	3.3		11		-				-		-	
						16.7	0.2	175	25.5		7.9		31.4		94.1		6.5		3.3		10		-				-		-	
SR8	Cloudy	Moderate	17:04	4.8	Surface	1.0	0.3	269	25.3	25.3	7.9	7.9	32.3	32.3	103.5	103.5	7.1	7.1	5.5	6.2	12	12	-	-	820427	811609	-	-	-	-
						1.0	0.3	271	25.3		7.9		32.3		103.4		7.1		5.5		12		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	281	24.6	24.7	7.8	7.8	32.6	32.7	103.6	103.7	7.2	7.2	7.0		11		-				-		-	
						3.8	0.2	301	24.7		7.8		32.7		103.7		7.2		6.9		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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
C1	Fine	Calm	10:00	8.6	Surface	1.0	0.7	212	27.4	27.4	8.1	8.1	32.7	32.7	96.9	96.9	6.4	6.4	8.2	9.8	10	10	83	87	815608	804265	<0.2	<0.2	0.4	0.4
						1.0	0.7	227	27.4		8.1		32.7		96.9		6.4		8.2		10		83				<0.2		0.4	
					Middle	4.3	0.7	210	27.5	27.5	8.1	8.1	32.6	32.6	96.8	96.8	6.4		9.6		11		85				<0.2		0.5	
						4.3	0.7	225	27.5		8.1		32.6		96.8		6.4		9.6		10		86				<0.2		0.4	
					Bottom	7.6	0.6	220	27.4	27.4	8.1	8.1	32.6	32.6	98.1	98.1	6.4	6.4	11.5		10		92				<0.2		0.4	
						7.6	0.7	223	27.4		8.1		32.6		98.1		6.4		11.5		10		92				<0.2		0.4	
C2	Cloudy	Moderate	11:26	11.7	Surface	1.0	0.3	87	24.8	24.8	7.9	7.9	31.6	31.6	102.0	101.9	7.1	7.0	1.8	5.8	5	9	83	89	825681	806936	<0.2	<0.2	0.6	0.4
						1.0	0.3	87	24.8		7.9		31.6		101.8		7.1		1.8		6		85				<0.2		0.3	
					Middle	5.9	0.3	82	24.8	24.8	7.9	7.9	31.7	31.7	99.4	99.4	6.9		6.0		8		90				<0.2		0.4	
						5.9	0.4	85	24.8		7.9		31.7		99.4		6.9		6.2		10		91				<0.2		0.3	
					Bottom	10.7	0.3	88	24.8	24.8	7.9	7.9	31.6	31.6	100.1	100.2	6.9	6.9	9.6		12		93				<0.2		0.4	
						10.7	0.3	92	24.8		7.9		31.6		100.2		6.9		9.5		11		93				<0.2		0.3	
C3	Cloudy	Calm	09:23	12.7	Surface	1.0	0.7	173	25.4	25.4	7.9	7.9	32.9	32.9	94.2	94.2	6.4	6.4	0.8	1.0	6	6	84	90	822118	817822	<0.2	<0.2	0.4	0.3
						1.0	0.8	180	25.4		7.9		32.9		94.2		6.4		0.7		4		83				<0.2		0.3	
					Middle	6.4	0.7	176	25.4	25.4	7.9	7.9	32.8	32.8	94.3	94.4	6.4		1.0		6		91				<0.2		0.3	
						6.4	0.7	192	25.4		7.9		32.8		94.4		6.4		1.0		5		92				<0.2		0.3	
					Bottom	11.7	0.6	176	25.4	25.4	7.9	7.9	32.7	32.7	95.9	96.2	6.5	6.6	1.3		6		94				<0.2		0.3	
						11.7	0.6	185	25.4		7.9		32.7		96.5		6.6		1.4		6		93				<0.2		0.3	
IM1	Sunny	Calm	10:26	7.1	Surface	1.0	0.6	187	27.1	27.1	8.1	8.1	32.6	32.6	98.1	98.1	6.5	6.5	6.1	8.3	6	7	79	83	818370	806460	<0.2	<0.2	0.4	0.5
						1.0	0.6	188	27.1		8.1		32.6		98.1		6.5		6.1		6		79				<0.2		0.3	
					Middle	3.6	0.5	182	27.1	27.1	8.1	8.1	32.7	32.7	98.1	98.1	6.5		9.4		7		84				<0.2		0.4	
						3.6	0.5	195	27.1		8.1		32.7		98.1		6.5		9.4		7		84				<0.2		0.4	
					Bottom	6.1	0.5	180	27.2	27.2	8.1	8.1	32.6	32.6	99.7	99.7	6.6	6.6	9.3		7		87				<0.2		0.7	
						6.1	0.5	195	27.2		8.1		32.6		99.7		6.6		9.3		9		87				<0.2		0.7	
IM2	Sunny	Calm	10:33	7.3	Surface	1.0	0.6	195	27.2	27.2	8.1	8.1	32.8	32.8	96.8	96.8	6.4	6.4	7.9	8.8	10	10	80	85	818860	806185	<0.2	<0.2	0.3	0.3
						1.0	0.6	213	27.2		8.1		32.8		96.8		6.4		8.1		9		81				<0.2		0.3	
					Middle	3.7	0.5	190	27.2	27.2	8.1	8.1	32.8	32.8	96.3	96.3	6.4		10.1		9		83				<0.2		0.3	
						3.7	0.6	208	27.2		8.1		32.8		96.3		6.4		10.1		11		86				<0.2		0.4	
					Bottom	6.3	0.5	195	27.3	27.3	8.1	8.1	32.7	32.7	98.6	99.3	6.2	6.3	8.1		10		88				<0.2		0.3	
						6.3	0.5	201	27.3		8.1		32.7		99.9		6.3		8.5		12		89				<0.2		0.4	
IM3	Sunny	Calm	10:41	7.6	Surface	1.0	0.5	199	27.3	27.3	8.1	8.1	32.8	32.8	99.3	99.3	6.7	6.6	5.8	7.3	9	10	79	84	819404	806013	<0.2	<0.2	0.4	0.4
						1.0	0.6	205	27.3		8.1		32.8		99.3		6.6		5.8		8		79				<0.2		0.4	
					Middle	3.8	0.5	197	27.1	27.1	8.1	8.1	32.9	32.9	99.3	99.3	6.5		7.6		10		83				<0.2		0.3	
						3.8	0.5	206	27.1		8.1		32.9		99.3		6.5		7.6		12		83				<0.2		0.3	
					Bottom	6.6	0.4	194	27.4	27.4	8.1	8.1	32.5	32.5	100.3	100.3	6.4	6.4	8.5		10		90				<0.2		0.3	
						6.6	0.5	205	27.4		8.1		32.5		100.3		6.4		8.5		10		90				<0.2		0.4	
IM4	Sunny	Calm	10:50	7.8	Surface	1.0	0.6	194	27.3	27.3	8.1	8.1	32.8	32.8	100.4	100.4	6.6	6.6	7.3	10.9	11	14	78	83	819572	805026	<0.2	<0.2	0.3	0.3
						1.0	0.6	195	27.3		8.1		32.8		100.4		6.6		7.5		13		78				<0.2		0.2	
					Middle	3.9	0.5	187	27.4	27.4	8.1	8.1	32.6	32.6	100.0	100.0	6.6		9.3		12		82				<0.2		0.4	
						3.9	0.6	193	27.4		8.1		32.6		100.0		6.6		9.2		13		83				<0.2		0.4	
					Bottom	6.8	0.5	189	27.4	27.4	8.1	8.1	32.5	32.5	100.5	100.5	6.6	6.6	15.8		16		88				<0.2		0.4	
						6.8	0.5	190	27.4		8.1		32.5		100.5		6.6		16.0		17		89				<0.2		0.3	
IM5	Fine	Calm	10:59	6.5	Surface	1.0	0.5	202	27.1	27.1	8.1	8.1	32.8	32.8	101.2	101.2	6.7	6.7	9.4	13.5	17	18	78	82	820583	804941	<0.2	<0.2	0.3	0.4
						1.0	0.6	206	27.1		8.1		32.8		101.2		6.7		9.5		18		78				<0.2		0.3	
					Middle	3.3	0.5	206	27.0	27.0	8.1	8.1	32.8	32.8	101.3	101.3	6.7		12.8		16		81				<0.2		0.4	
						3.3	0.5	224	27.0		8.1		32.8		101.3		6.7		13.1		18		81				<0.2		0.5	
					Bottom	5.5	0.4	204	27.0	27.0	8.1	8.1	32.8	32.8	102.2	102.2	6.8	6.8	17.7		20		88				<0.2		0.4	
						5.5	0.5	214	27.0		8.1		32.8		102.2		6.8		18.2		21		88				<0.2		0.3	
IM6	Fine	Calm	11:07	6.6	Surface	1.0	0.5	202	27.2	27.2	8.1	8.1	32.7	32.8	99.8	99.8	6.6	6.6	10.5	16.0	15	16	81	85	821043	805820	<0.2	<0.2	0.3	0.3
						1.0	0.5	203	27.2		8.1		32.8		99.8		6.6		11.3		14		81				<0.2		0.3	
					Middle	3.3	0.5	202	27.2	27.2	8.1	8.1	32.7	32.7	99.7	99.7	6.6		14.2		15		83				<0.2		0.3	
						3.3	0.5	218	27.1		8.1		32.7		99.7		6.6		15.2		16		84				<0.2		0.2	
					Bottom	5.6	0.4	205	27.1	27.1	8.1	8.1	32.7	32.7	99.9	100.0	6.6	6.6	22.7		18		89				<0.2		0.4	
						5.6	0.5	213	27.1		8.1		32.7		100.1		6.6		22.2		19		89				<0.2		0.4	
IM7	Fine	Calm	11:16	7.4	Surface	1.0	0.3	220	27.1	27.1	8.1	8.1	32.7	32.7	100.7	100.7	6.7	6.7	3.9	4.8	8	11	79	84	821363	806845	<0.2	<0.2	0.3	0.3
						1.0	0.4	228	27.1		8.1		32.7		100.7		6.7		3.9		10		79				<0.2		0.3	
					Middle	3.7	0.3	218	27.1	27.1	8.1	8.1	32.6	32.6	99.6	99.6	6.6		4.7		10		84				<0.2		0.4	
						3.7	0.4	221	27.1		8.1		32.6		99.6		6.6		4.7		12		84				<0.2		0.3	
					Bottom	6.4	0.3	225	27.1	27.1	8.1	8.1	32.6	32.6	100.4	100.4	6.6	6.6	5.8		11		88				<0.2		0.4	
						6.4	0.3	225	27.1		8.1		32.6		100.4		6.6		5.8		12		88				<0.2		0.3	
IM8	Cloudy	Moderate	10:48	8.3	Surface	1.0	0.5	171	24.4	24.4	7.9	7.9	32.2	32.2	101.3	101.4	7.0	7.0	7.8	11.6	13	14	85	89	821686	807831	<0.2	<0.2	0.4	0.3
						1.0	0.5	187	24.4		7.9		32.2		101.4		7.0		7.9		15		83				<0.2		0.4	
					Middle	4.2	0.5	175	24.4	24.4	7.9	7.9	32.2	32.2	101.2	101.3	7.0		9.4		14		90				<0.2		0.3	
						4.2	0.5	186	24.4		7.9		32.2		101.3		7.0		9.4		12		92				<0.2		0.3	
					Bottom	7.3	0.5	181	24.4	24.4	7.9	7.9	32.4	32.4	102.4	102.5	7.1	7.1	17.4		12		93				<0.2		0.3	
						7.3	0.5	194	24.4		7.9		32.4		102.5		7.1		17.5		15		92				<0.2		0.3	

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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 13 October 16 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	10:39	7.4	Surface	1.0	0.5	145	24.4	24.4	7.9	7.9	32.1	32.1	101.7	101.7	7.1	7.1	3.1	5.2	7	10	85	89	822086	808791	<0.2	<0.2	0.4	0.4
						1.0	0.6	148	24.4		7.9		32.1		101.7		7.1		3.1		7		87				<0.2		0.4	
					Middle	3.7	0.5	135	24.5	24.5	7.9	7.9	32.2	32.2	101.2	101.3	7.0		4.9		8		91				<0.2		0.3	
						3.7	0.5	138	24.5		7.9		32.2		101.3		7.0		5.0		9		90				<0.2		0.3	
					Bottom	6.4	0.5	136	24.5	24.5	7.9	7.9	32.4	32.4	103.3	103.4	7.2	7.2	7.6		15		91				<0.2		0.3	
						6.4	0.5	146	24.5		7.9		32.4		103.5		7.2		7.7		14		92				<0.2		0.4	
IM10	Cloudy	Moderate	10:29	7.8	Surface	1.0	0.5	98	24.6	24.6	7.9	7.9	33.4	33.4	100.3	100.3	6.9	6.9	6.6	9.4	9	15	87	90	822251	809833	<0.2	<0.2	0.4	0.4
						1.0	0.6	99	24.6		7.9		33.4		100.3		6.9		6.6		9		85				<0.2		0.4	
					Middle	3.9	0.5	106	24.6	24.6	7.9	7.9	33.4	33.4	100.1	100.1	6.9		8.7		16		92				<0.2		0.4	
						3.9	0.5	116	24.6		7.9		33.4		100.1		6.9		8.8		14		92				<0.2		0.3	
					Bottom	6.8	0.4	109	24.6	24.6	7.9	7.9	33.3	33.3	101.9	101.9	7.0	7.0	12.8		21		94				<0.2		0.5	
						6.8	0.4	109	24.6		7.9		33.3		101.9		7.0		12.8		19		90				<0.2		0.3	
IM11	Cloudy	Calm	10:19	8.7	Surface	1.0	0.6	100	24.5	24.5	7.9	7.9	33.4	33.4	98.8	98.8	6.8	6.8	6.7	10.0	13	15	86	91	821518	810560	<0.2	<0.2	0.4	0.4
						1.0	0.6	103	24.5		7.9		33.4		98.8		6.8		6.8		14		89				<0.2		0.3	
					Middle	4.4	0.6	93	24.4	24.4	7.9	7.9	33.4	33.4	98.6	98.7	6.8		8.8		15		91				<0.2		0.5	
						4.4	0.6	93	24.4		7.9		33.4		98.7		6.8		8.9		17		93				<0.2		0.3	
					Bottom	7.7	0.5	93	24.4	24.4	7.9	7.9	33.6	33.6	99.5	99.5	6.9	6.9	14.4		17		95				<0.2		0.3	
						7.7	0.5	94	24.4		7.9		33.6		99.5		6.9		14.4		16		94				<0.2		0.3	
IM12	Cloudy	Calm	10:10	9.0	Surface	1.0	0.6	101	24.9	24.9	7.9	7.9	32.8	32.8	97.4	97.4	6.7	6.7	3.5	10.4	10	13	87	90	821155	811521	<0.2	<0.2	0.4	0.4
						1.0	0.6	107	24.9		7.9		32.8		97.4		6.7		3.5		9		87				<0.2		0.5	
					Middle	4.5	0.5	96	24.9	24.9	7.9	7.9	32.9	32.9	96.7	96.7	6.6		6.1		11		90				<0.2		0.4	
						4.5	0.5	104	24.9		7.9		32.9		96.7		6.6		6.2		10		90				<0.2		0.4	
					Bottom	8.0	0.5	99	24.8	24.8	7.9	7.9	33.0	33.0	97.4	97.8	6.7	6.8	21.8		19		92				<0.2		0.4	
						8.0	0.5	102	24.7		7.9		33.0		98.1		6.8		21.2		17		92				<0.2		0.3	
SR2	Cloudy	Moderate	09:48	5.0	Surface	1.0	0.4	89	25.0	25.0	7.9	7.9	32.6	32.6	97.1	97.1	6.7	6.7	2.0	2.3	8	7	84	88	821444	814181	<0.2	<0.2	0.7	0.7
						1.0	0.4	93	25.0		7.9		32.6		97.1		6.7		2.1		6		83				<0.2		0.6	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	95	25.1	25.1	7.8	7.8	32.7	32.7	101.8	101.9	7.0	7.0	2.6		6		93				<0.2		0.6	
						4.0	0.3	95	25.1		7.8		32.7		102.0		7.0		2.6		6		92				<0.2		0.8	
SR3	Cloudy	Moderate	10:56	9.5	Surface	1.0	0.5	167	24.5	24.5	7.9	7.9	32.2	32.2	101.0	101.0	7.0	7.0	5.9	11.0	9	13	-	-	822150	807583	-	-	-	-
						1.0	0.6	170	24.5		7.9		32.2		101.0		7.0		6.0		7		-				-		-	
					Middle	4.8	0.5	162	24.5	24.5	7.9	7.9	32.2	32.2	101.0	101.1	7.0		8.2		8		-				-		-	
						4.8	0.5	167	24.5		7.9		32.2		101.1		7.0		8.3		8		-				-		-	
					Bottom	8.5	0.5	163	24.4	24.4	7.9	7.9	32.4	32.4	101.9	102.0	7.1	7.1	18.7		23		-				-		-	
						8.5	0.5	164	24.4		7.9		32.4		102.0		7.1		18.8		25		-				-		-	
SR4A	Fine	Calm	09:41	9.1	Surface	1.0	0.4	103	27.1	27.1	8.1	8.1	32.7	32.7	96.2	96.2	6.4	6.4	5.4	5.7	7	11	-	-	817187	807803	-	-	-	-
						1.0	0.4	108	27.1		8.1		32.7		96.2		6.4		5.4		9		-				-		-	
					Middle	4.6	0.4	100	27.2	27.2	8.1	8.1	32.5	32.5	95.9	95.9	6.3		5.8		11		-				-		-	
						4.6	0.5	108	27.2		8.1		32.5		95.9		6.3		5.8		12		-				-		-	
					Bottom	8.1	0.4	95	27.2	27.2	8.1	8.1	32.5	32.5	96.6	96.6	6.4	6.4	5.9		11		-				-		-	
						8.1	0.5	99	27.2		8.1		32.5		96.6		6.4		5.9		13		-				-		-	
SR5A	Fine	Calm	09:21	4.0	Surface	1.0	0.2	151	27.3	27.3	8.1	8.1	31.3	31.3	96.0	96.0	6.4	6.4	3.9	4.1	10	9	-	-	816592	810679	-	-	-	-
						1.0	0.2	161	27.3		8.1		31.3		96.0		6.4		3.9		10		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	166	27.2	27.2	8.1	8.1	31.5	31.5	97.7	97.7	6.3	6.3	4.3		8		-				-		-	
						3.0	0.2	176	27.2		8.1		31.5		97.7		6.3		4.2		8		-				-		-	
SR6	Fine	Calm	08:56	4.3	Surface	1.0	0.3	151	27.3	27.4	8.1	8.1	31.4	31.5	94.4	94.3	6.3	6.3	5.1	5.4	6	8	-	-	817915	814671	-	-	-	-
						1.0	0.4	160	27.4		8.1		31.5		94.2		6.2		5.6		7		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.3	145	27.4	27.4	8.1	8.1	31.5	31.5	95.1	95.1	6.3	6.3	5.3		9		-				-		-	
						3.3	0.3	154	27.4		8.1		31.5		95.1		6.3		5.4		10		-				-		-	
SR7	Cloudy	Calm	08:52	18.0	Surface	1.0	0.2	178	25.4	25.4	7.9	7.9	33.3	33.3	91.5	91.5	6.2	6.2	2.8	7.6	9	10	-	-	823620	823737	-	-	-	-
						1.0	0.2	195	25.4		7.9		33.3		91.5		6.2		2.8		10		-				-		-	
					Middle	9.0	0.2	189	25.4	25.4	7.9	7.9	33.3	33.3	90.9	90.9	6.2		4.0		8		-				-		-	
						9.0	0.2	189	25.4		7.9		33.3		90.9		6.2		4.2		9		-				-		-	
					Bottom	17.0	0.2	193	25.4	25.4	7.9	7.9	33.3	33.3	89.4	89.4	6.1	6.1	15.6		12		-				-		-	
						17.0	0.2	207	25.4		7.8		33.3		89.4		6.1		15.9		11		-				-		-	
SR8	Cloudy	Calm	10:03	5.5	Surface	1.0	0.3	215.0	24.9	24.9	7.7	7.7	32.8	32.8	96.8	96.8	6.7	6.7	6.7	14.7	10	12	-	-	820415	811579	-	-	-	-
						1.0	0.3	226.0	24.9		7.7		32.8		96.7		6.7		6.5		12		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.3	206.0	24.8	24.8	7.6	7.6	32.9	32.9	95.8	96.0	6.6	6.6	21.3		13		-				-		-	
						4.5	0.3	225.0	24.8		7.6		32.9		96.1		6.6		24.3		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
C1	Fine	Calm	17:51	8.3	Surface	1.0	0.5	92	27.6	27.6	8.1	8.1	33.0	33.0	98.0	98.0	6.4	6.4	9.3	15.4	13	25	79	84	815622	804239	<0.2	<0.2	0.6	0.5
						1.0	0.6	99	27.6		8.1		33.0		98.0		6.4		9.9		15		80				<0.2		0.4	
					Middle	4.2	0.5	57	27.6	27.6	8.1	8.1	32.9	32.9	97.5	97.6	6.4		14.2		22		84				<0.2		0.5	
						4.2	0.5	59	27.6		8.1		32.9		97.6		6.4		15.1		21		83				<0.2		0.4	
					Bottom	7.3	0.6	59	27.6	27.7	8.1	8.1	32.9	32.9	99.0	98.8	6.5	6.5	22.1		39		87				<0.2		0.4	
						7.3	0.6	63	27.7		8.1		32.9		98.5		6.5		21.9		37		88				<0.2		0.4	
C2	Cloudy	Moderate	16:43	11.7	Surface	1.0	0.4	102	25.1	25.1	7.9	7.9	29.4	29.4	101.6	101.6	7.1	7.1	3.0	4.5	7	9	81	88	825664	806951	<0.2	<0.2	0.7	0.7
						1.0	0.4	102	25.1		7.9		29.4		101.5		7.1		3.1		7		82				<0.2		0.8	
					Middle	5.9	0.4	61	25.0	25.0	7.9	7.9	29.3	29.3	99.6	99.6	7.0		4.2		9		90				<0.2		0.8	
						5.9	0.4	62	25.0		7.9		29.3		99.6		7.0		4.2		11		90				<0.2		0.7	
					Bottom	10.7	0.6	49	24.9	24.9	7.9	7.9	29.2	29.2	100.0	100.0	7.0	7.0	6.1		12		93				<0.2		0.7	
						10.7	0.6	49	24.9		7.9		29.2		100.0		7.0		6.2		10		91				<0.2		0.7	
C3	Cloudy	Moderate	18:22	11.8	Surface	1.0	0.3	240	25.1	25.1	7.9	7.9	31.0	31.0	98.0	98.0	6.8	6.8	8.7	10.4	20	20	86	90	822117	817791	<0.2	<0.2	0.7	0.7
						1.0	0.3	251	25.1		7.9		31.0		98.0		6.8		8.7		18		87				<0.2		0.7	
					Middle	5.9	0.4	237	25.1	25.1	7.9	7.9	31.0	31.0	97.8	97.8	6.8		9.4		19		90				<0.2		0.6	
						5.9	0.4	255	25.1		7.9		31.0		97.8		6.8		9.5		19		92				<0.2		0.7	
					Bottom	10.8	0.4	251	25.1	25.1	7.9	7.9	31.0	31.0	97.9	97.9	6.8	6.8	13.2		20		93				<0.2		0.7	
						10.8	0.5	261	25.1		7.9		31.0		97.9		6.8		13.1		22		94				<0.2		0.6	
IM1	Fine	Calm	17:31	7.4	Surface	1.0	0.5	213	27.5	27.6	8.1	8.1	32.8	32.8	100.0	99.9	6.6	6.5	8.1	14.1	15	23	73	80	818358	806444	<0.2	<0.2	0.6	0.6
						1.0	0.5	215	27.6		8.1		32.8		99.7		6.5		9.1		16		75				<0.2		0.5	
					Middle	3.7	0.7	203	27.6	27.6	8.1	8.1	32.8	32.8	99.2	99.2	6.5		13.0		22		79				<0.2		0.6	
						3.7	0.7	215	27.6		8.1		32.8		99.1		6.5		14.4		21		80				<0.2		0.6	
					Bottom	6.4	0.5	223	27.6	27.6	8.1	8.1	32.8	32.8	99.1	99.3	6.5	6.5	18.9		30		87				<0.2		0.6	
						6.4	0.5	232	27.6		8.1		32.8		99.5		6.5		20.8		33		86				<0.2		0.6	
IM2	Fine	Calm	17:24	8.1	Surface	1.0	0.4	238	27.7	27.7	8.1	8.1	32.9	33.0	98.0	97.9	6.4	6.4	7.1	11.0	12	15	75	80	818857	806206	<0.2	<0.2	0.6	0.4
						1.0	0.5	252	27.6		8.1		33.0		97.7		6.4		7.7		12		74				<0.2		0.6	
					Middle	4.1	0.5	286	27.4	27.6	8.1	8.1	33.1	33.0	97.1	96.8	6.4		10.5		10		78				<0.2		0.3	
						4.1	0.5	292	27.8		8.1		32.8		96.5		6.3		11.6		11		80				<0.2		0.4	
					Bottom	7.1	0.5	200	27.4	27.5	8.1	8.1	33.0	33.0	97.2	97.5	6.4	6.4	15.1		22		86				<0.2		0.3	
						7.1	0.5	213	27.6		8.1		32.9		97.7		6.4		14.2		23		87				<0.2		0.3	
IM3	Fine	Calm	17:17	8.4	Surface	1.0	0.6	226	27.6	27.6	8.1	8.1	32.9	32.9	97.3	97.1	6.4	6.4	6.5	7.9	10	15	73	79	819393	806001	<0.2	<0.2	0.2	0.2
						1.0	0.6	247	27.6		8.1		32.9		96.9		6.4		6.6		12		74				<0.2		0.2	
					Middle	4.2	0.4	200	27.6	27.6	8.1	8.1	32.9	32.9	96.1	96.1	6.3		8.4		13		77				<0.2		0.3	
						4.2	0.4	210	27.6		8.1		32.8		96.0		6.3		8.5		12		78				<0.2		0.3	
					Bottom	7.4	0.5	246	27.6	27.6	8.1	8.1	32.8	32.8	96.7	96.9	6.3	6.4	9.1		20		84				<0.2		0.2	
						7.4	0.6	269	27.6		8.1		32.8		97.1		6.4		8.5		22		85				<0.2		0.2	
IM4	Fine	Calm	17:09	8.0	Surface	1.0	0.4	214	27.7	27.5	8.1	8.1	32.9	33.0	99.4	99.7	6.5	6.6	8.1	12.7	13	23	78	82	819580	805055	<0.2	<0.2	0.3	0.3
						1.0	0.5	227	27.3		8.1		33.1		99.9		6.6		8.2		14		80				<0.2		0.2	
					Middle	4.0	0.7	226	27.3	27.5	8.1	8.1	33.1	33.0	99.7	99.4	6.6		9.3		17		81				<0.2		0.3	
						4.0	0.7	244	27.7		8.1		32.8		99.1		6.5		9.2		16		81				<0.2		0.3	
					Bottom	7.0	0.3	258	27.4	27.6	8.1	8.1	33.0	32.9	99.5	100.0	6.5	6.6	19.6		38		87				<0.2		0.3	
						7.0	0.3	265	27.7		8.1		32.8		100.5		6.6		21.8		38		86				<0.2		0.3	
IM5	Fine	Calm	17:02	7.0	Surface	1.0	0.4	203	27.3	27.5	8.1	8.1	33.1	33.0	101.0	100.7	6.6	6.6	8.7	15.6	16	23	76	81	820571	804918	<0.2	<0.2	0.3	0.3
						1.0	0.4	215	27.7		8.1		32.8		100.4		6.6		9.1		14		76				<0.2		0.3	
					Middle	3.5	0.6	234	27.6	27.5	8.1	8.1	32.8	32.9	99.9	100.0	6.6		15.4		20		80				<0.2		0.4	
						3.5	0.7	246	27.3		8.1		33.0		100.1		6.6		16.7		22		80				<0.2		0.3	
					Bottom	6.0	0.4	260	27.3	27.5	8.1	8.1	33.0	32.9	100.0	99.8	6.6	6.6	22.3		31		86				<0.2		0.4	
						6.0	0.4	280	27.7		8.1		32.7		99.6		6.5		21.2		32		86				<0.2		0.3	
IM6	Fine	Calm	16:52	7.2	Surface	1.0	0.4	228	27.7	27.7	8.1	8.1	32.9	32.9	98.6	98.5	6.5	6.4	7.5	10.5	16	18	74	79	821061	805825	<0.2	<0.2	0.4	0.4
						1.0	0.4	244	27.7		8.1		32.9		98.4		6.4		7.7		15		73				<0.2		0.4	
					Middle	3.6	0.5	216	27.6	27.6	8.1	8.1	32.9	32.9	97.5	97.5	6.4		8.8		17		78				<0.2		0.4	
						3.6	0.5	231	27.6		8.1		32.9		97.4		6.4		9.3		16		78				<0.2		0.4	
					Bottom	6.2	0.4	244	27.6	27.6	8.1	8.1	32.8	32.8	96.6	96.8	6.3	6.4	15.0		22		84				<0.2		0.4	
						6.2	0.4	254	27.6		8.1		32.8		96.9		6.4		14.7		21		84				<0.2		0.4	
IM7	Fine	Calm	16:43	8.6	Surface	1.0	0.4	226	27.8	27.8	8.1	8.1	32.8	32.8	98.3	98.2	6.4	6.4	6.4	7.9	9	12	73	79	821366	806827	<0.2	<0.2	0.3	0.3
						1.0	0.5	242	27.8		8.1		32.8		98.0		6.4		6.5		10		74				<0.2		0.3	
					Middle	4.3	0.4	208	27.6	27.7	8.1	8.1	32.8	32.8	96.8	96.7	6.3		7.6		10		79				<0.2		0.3	
						4.3	0.4	215	27.8		8.1		32.7		96.5		6.3		7.9		10		79				<0.2		0.3	
					Bottom	7.6	0.3	251	27.4	27.5	8.1	8.1	33.0	32.9	97.0	97.0	6.4	6.4	9.8		18		84				<0.2		0.4	
						7.6	0.4	260	27.6		8.1		32.8		97.0		6.4		9.4		16		85				<0.2		0.3	
IM8	Cloudy	Moderate	17:14	7.9	Surface	1.0	0.4	240	24.9	24.9	7.9	7.9	30.2	30.2	102.7	102.7	7.2	7.2	5.2	7.6	9	11	85	89	821678	807843	<0.2	<0.2	0.5	0.5
						1.0	0.4	257	24.9		7.9		30.2		102.7		7.2		5.2		10		87				<0.2		0.5	
					Middle	4.0	0.4	219	24.9	24.9	7.9	7.9	30.3	30.3	101.6	101.6	7.1		7.8		11		89				<0.2		0.4	
						4.0	0.4	233	24.9		7.9		30.3		101.6		7.1		7.8		12		91				<0.2		0.4	
					Bottom	6.9	0.4	218	24.8	24.8	7.9	7.9	30.2	30.2	102.5	102.5	7.2	7.2	9.9		13		92				<0.2		0.4	
						6.9	0.4	218	24.8		7.9		30.2		102.5		7.2		9.9		12		92				<0.2		0.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:21	7.0	Surface	1.0	0.2	253	25.0	25.0	7.9	7.9	30.3	30.3	103.6	103.6	7.2	7.2	7.7	15.7	9	17	85	89	822093	808811	<0.2	<0.2	0.4	0.4
						1.0	0.2	268	25.0		7.9		30.3		103.6		7.2		7.9		10		84				<0.2		0.4	
					Middle	3.5	0.2	283	24.9	24.9	7.9	7.9	30.4	30.4	102.7	102.7	7.2		13.3		11		91				<0.2		0.3	
						3.5	0.2	288	24.9		7.9		30.4		102.7		7.2		13.6		12		89				<0.2		0.4	
					Bottom	6.0	0.3	284	24.9	24.9	7.9	7.9	30.4	30.4	102.8	102.8	7.2	7.2	26.0		31		91				<0.2		0.3	
						6.0	0.3	301	24.9		7.9		30.4		102.8		7.2		25.8		29		93				<0.2		0.3	
IM10	Cloudy	Moderate	17:28	7.2	Surface	1.0	0.3	237	25.0	25.0	7.9	7.9	30.5	30.5	103.4	103.4	7.2	7.2	6.7	11.8	9	13	86	90	822250	809835	<0.2	<0.2	0.3	0.3
						1.0	0.3	243	25.0		7.9		30.5		103.3		7.2		7.3		7		86				<0.2		0.3	
					Middle	3.6	0.4	260	24.9	25.0	7.9	7.9	30.5	30.5	103.1	103.1	7.2		9.7		17		91				<0.2		0.3	
						3.6	0.4	261	25.0		7.9		30.5		103.1		7.2		9.8		17		90				<0.2		0.3	
					Bottom	6.2	0.4	256	24.9	24.9	7.8	7.8	30.4	30.4	103.9	103.9	7.2	7.2	18.4		15		92				<0.2		0.4	
						6.2	0.4	272	24.9		7.8		30.4		103.9		7.2		19.1		15		92				<0.2		0.4	
IM11	Cloudy	Moderate	17:35	7.4	Surface	1.0	0.3	230	24.9	24.9	7.9	7.9	30.8	30.8	104.9	105.0	7.3	7.3	8.7	19.2	16	17	84	89	821494	810555	<0.2	<0.2	0.4	0.4
						1.0	0.3	235	24.9		7.9		30.8		105.0		7.3		8.6		15		85				<0.2		0.4	
					Middle	3.7	0.4	267	24.9	24.9	7.9	7.9	30.8	30.8	104.4	104.4	7.3		16.4		17		90				<0.2		0.3	
						3.7	0.4	275	24.9		7.9		30.8		104.4		7.3		15.9		15		91				<0.2		0.4	
					Bottom	6.4	0.4	266	24.9	24.9	7.9	7.9	30.8	30.8	103.9	103.9	7.2	7.2	32.8		18		93				<0.2		0.4	
						6.4	0.4	287	24.9		7.9		30.8		103.9		7.2		32.7		18		92				<0.2		0.3	
IM12	Cloudy	Moderate	17:41	8.9	Surface	1.0	0.3	243	24.9	24.9	8.0	8.0	31.0	31.0	104.9	104.9	7.3	7.3	8.7	14.2	18	<u>30</u>	86	89	821156	811534	<0.2	<0.2	0.3	0.4
						1.0	0.3	260	24.9		8.0		31.0		104.9		7.3		8.8		16		83				<0.2		0.3	
					Middle	4.5	0.3	242	24.9	24.9	8.0	8.0	31.0	31.0	104.3	104.3	7.2		10.6		29		90				<0.2		0.5	
						4.5	0.3	250	24.9		8.0		31.0		104.3		7.2		10.8		28		89				<0.2		0.5	
					Bottom	7.9	0.3	216	24.9	24.9	7.9	7.9	31.1	31.1	103.1	103.1	7.2	7.2	23.0		45		92				<0.2		0.4	
						7.9	0.4	217	24.9		7.9		31.1		103.1		7.2		23.0		42		93				<0.2		0.4	
SR2	Cloudy	Moderate	18:07	4.2	Surface	1.0	0.2	117	25.1	25.1	7.9	7.9	31.0	31.0	101.6	101.6	7.0	7.0	13.0	18.5	20	24	86	89	821477	814151	<0.2	<0.2	0.5	0.5
						1.0	0.2	118	25.1		7.9		31.0		101.6		7.0		13.2		20		85				<0.2		0.5	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	112	24.9	24.9	7.9	7.9	31.0	31.0	101.6	101.7	7.1	7.1	23.9		28		91				<0.2		0.4	
						3.2	0.2	118	24.9		7.9		31.0		101.7		7.1		23.9		29		92				<0.2		0.4	
SR3	Cloudy	Moderate	17:10	8.6	Surface	1.0	0.3	239	24.9	24.9	7.9	7.9	30.0	30.0	102.6	102.6	7.2	7.2	7.4	7.4	17	16	-	-	822164	807571	-	-	-	-
						1.0	0.3	262	24.9		7.9		30.0		102.6		7.2		7.4		15		-				-		-	
					Middle	4.3	0.3	265	24.9	24.9	7.9	7.9	30.0	30.0	102.1	102.1	7.1		7.2		16		-				-		-	
						4.3	0.3	278	24.9		7.9		30.0		102.1		7.1		7.2		16		-				-		-	
					Bottom	7.6	0.4	242	24.8	24.8	7.9	7.9	29.9	29.9	101.9	101.9	7.1	7.1	7.6		17		-				-		-	
						7.6	0.4	245	24.8		7.9		29.9		101.9		7.1		7.5		17		-				-		-	
SR4A	Fine	Calm	18:15	8.6	Surface	1.0	0.6	68	27.6	27.6	8.0	8.1	32.6	32.7	96.0	96.2	6.3	6.3	7.0	7.9	14	16	-	-	817191	807791	-	-	-	-
						1.0	0.6	70	27.5		8.1		32.7		96.3		6.3		7.2		16		-				-		-	
					Middle	4.3	0.3	94	27.5	27.5	8.1	8.1	32.8	32.8	96.5	96.6	6.3		7.6		16		-				-		-	
						4.3	0.3	94	27.5		8.1		32.8		96.6		6.3		8.4		18		-				-		-	
					Bottom	7.6	0.3	86	27.5	27.5	8.1	8.1	32.8	32.8	97.8	98.1	6.4	6.5	8.6		16		-				-		-	
						7.6	0.3	91	27.5		8.1		32.8		98.3		6.5		8.6		17		-				-		-	
SR5A	Fine	Calm	18:34	3.6	Surface	1.0	0.3	123	28.1	28.1	8.1	8.1	32.0	32.0	102.2	101.6	6.7	6.7	6.3	7.2	6	9	-	-	816583	810679	-	-	-	-
						1.0	0.3	134	28.0		8.0		32.0		100.9		6.6		7.0		5		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	143	27.8	27.9	8.0	8.0	32.1	32.1	101.6	102.4	6.7	6.8	8.0		14		-				-		-	
						2.6	0.3	150	27.9		8.0		32.1		103.1		6.8		7.3		12		-				-		-	
SR6	Fine	Calm	18:57	3.5	Surface	1.0	0.2	220	28.1	28.1	8.1	8.1	32.1	32.1	105.9	105.9	6.9	6.9	3.7	3.7	8	9	-	-	817910	814659	-	-	-	-
						1.0	0.2	234	28.1		8.1		32.1		105.8		6.9		3.6		10		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	222	28.1	28.1	8.1	8.1	32.1	32.1	105.2	105.2	6.9	6.9	3.7		8		-				-		-	
						2.5	0.2	222	28.1		8.1		32.1		105.2		6.9		3.8		8		-				-		-	
SR7	Cloudy	Calm	18:48	18.0	Surface	1.0	0.1	171	25.4	25.4	7.9	7.9	30.7	30.7	91.5	91.5	6.3	6.3	4.5	5.5	9	12	-	-	823619	823740	-	-	-	-
						1.0	0.1	176	25.4		7.9		30.7		91.5		6.3		4.6		10		-				-		-	
					Middle	9.0	0.1	169	25.4	25.4	7.9	7.9	30.7	30.7	91.2	91.3	6.3		5.8		12		-				-		-	
						9.0	0.1	183	25.4		7.9		30.7		91.3		6.3		6.0		12		-				-		-	
					Bottom	17.0	0.2	191	25.4	25.4	7.9	7.9	30.6	30.6	91.7	91.8	6.3	6.3	6.1		15		-				-		-	
						17.0	0.2	191	25.4		7.9		30.6		91.8		6.3		6.2		13		-				-		-	
SR8	Cloudy	Moderate	17:47	4.9	Surface	1.0	0.3	272	25.4	25.4	7.9	7.9	30.9	30.9	100.7	100.7	6.9	6.9	6.4	6.6	9	11	-	-	820421	811579	-	-	-	-
						1.0	0.3	282	25.4		7.9		30.9		100.6		6.9		6.4		10		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	297	25.2	25.2	7.9	7.9	31.0	31.0	100.5	100.5	7.0	7.0	6.8		12		-				-		-	
						3.9	0.2	313	25.2		7.9		31.0		100.5		7.0		6.8		12		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Calm	11:54	9.0	Surface	1.0	0.6	256	27.5	27.5	8.1	8.1	33.1	33.1	96.5	96.4	6.3	6.3	9.8	12.4	16	18	82	87	815612	804256	<0.2	<0.2	0.4	0.3
						1.0	0.6	274	27.5		8.1		33.1		96.3		6.3		10.4		15		84				<0.2		0.4	
					Middle	4.5	0.6	144	27.5	27.5	8.1	8.1	33.0	33.0	95.8	95.8	6.3		12.2		17		87				<0.2		0.3	
						4.5	0.6	148	27.5		8.1		33.0		95.8		6.3		12.7		16		87				<0.2		0.3	
					Bottom	8.0	0.6	143	27.5	27.5	8.1	8.1	32.9	33.0	95.8	96.2	6.3	6.3	15.6		24		90				<0.2		0.2	
						8.0	0.6	144	27.5		8.1		33.0		96.5		6.3		13.6		22		90				<0.2		0.3	
C2	Cloudy	Moderate	12:36	12.4	Surface	1.0	0.5	116	25.0	25.0	7.9	7.9	30.4	30.4	100.7	100.7	7.0	7.0	4.1	4.8	10	10	81	88	825676	806926	<0.2	<0.2	0.4	0.5
						1.0	0.5	124	25.0		7.9		30.4		100.7		7.0		4.1		9		84				<0.2		0.5	
					Middle	6.2	0.5	54	25.0	25.0	7.9	7.9	30.4	30.4	99.9	99.9	7.0		5.0		9		89				<0.2		0.4	
						6.2	0.5	57	25.0		7.9		30.4		99.9		7.0		5.0		11		90				<0.2		0.5	
					Bottom	11.4	0.4	60	24.9	24.9	7.9	7.9	30.3	30.3	99.7	99.7	7.0	7.0	5.2		11		92				<0.2		0.7	
						11.4	0.4	63	24.9		7.9		30.3		99.7		7.0		5.1		10		93				<0.2		0.6	
C3	Fine	Moderate	10:51	11.8	Surface	1.0	0.4	76	25.3	25.3	7.8	7.8	30.7	30.7	90.6	90.6	6.3	6.3	4.3	5.3	11	12	88	90	822128	817803	<0.2	<0.2	0.4	0.5
						1.0	0.4	79	25.3		7.8		30.7		90.6		6.3		4.3		9		87				<0.2		0.4	
					Middle	5.9	0.4	83	25.3	25.3	7.8	7.8	30.7	30.7	90.6	90.6	6.3		5.4		12		88				<0.2		0.5	
						5.9	0.4	86	25.3		7.8		30.7		90.6		6.3		5.4		14		91				<0.2		0.4	
					Bottom	10.8	0.4	86	25.3	25.3	7.8	7.8	30.7	30.7	91.7	91.8	6.3	6.3	6.1		14		93				<0.2		0.5	
						10.8	0.4	90	25.3		7.8		30.7		91.9		6.3		6.0		14		94				<0.2		0.5	
IM1	Fine	Calm	12:19	8.1	Surface	1.0	0.4	128	27.5	27.5	8.1	8.1	33.1	33.1	97.2	97.1	6.4	6.4	9.3	11.2	15	20	76	82	818341	806458	<0.2	<0.2	0.2	0.3
						1.0	0.4	135	27.5		8.1		33.1		97.0		6.4		9.4		16		77				<0.2		0.2	
					Middle	4.1	0.4	190	27.5	27.5	8.1	8.1	33.0	33.0	96.2	96.1	6.3		11.1		22		80				<0.2		0.3	
						4.1	0.4	193	27.5		8.1		33.0		96.0		6.3		12.0		23		81				<0.2		0.3	
					Bottom	7.1	0.3	181	27.5	27.5	8.1	8.1	33.0	33.0	96.5	96.8	6.3	6.4	12.8		23		89				<0.2		0.3	
						7.1	0.3	191	27.5		8.1		32.9		97.1		6.4		12.8		22		89				<0.2		0.3	
IM2	Fine	Calm	12:25	8.4	Surface	1.0	0.5	111	27.6	27.6	8.1	8.1	32.9	32.9	96.3	96.3	6.3	6.3	10.4	13.4	16	22	78	82	818837	806203	<0.2	<0.2	0.3	0.3
						1.0	0.5	111	27.6		8.1		32.9		96.2		6.3		10.7		17		76				<0.2		0.4	
					Middle	4.2	0.4	134	27.6	27.6	8.1	8.1	32.9	32.9	95.8	95.9	6.3		13.4		22		80				<0.2		0.2	
						4.2	0.4	143	27.6		8.1		32.9		95.9		6.3		14.9		21		81				<0.2		0.3	
					Bottom	7.4	0.6	186	27.6	27.6	8.1	8.1	32.8	32.8	96.1	96.3	6.3	6.3	15.7		28		87				<0.2		0.3	
						7.4	0.6	188	27.6		8.1		32.8		96.5		6.3		15.1		28		89				<0.2		0.3	
IM3	Fine	Calm	12:33	8.7	Surface	1.0	0.5	109	27.8	27.8	8.1	8.1	32.8	32.9	96.9	97.0	6.3	6.3	7.9	9.3	10	17	75	81	819413	806020	<0.2	<0.2	0.2	0.3
						1.0	0.5	110	27.7		8.1		32.9		97.1		6.4		8.1		10		76				<0.2		0.3	
					Middle	4.4	0.6	156	27.7	27.8	8.1	8.1	32.8	32.8	96.7	96.6	6.3		9.0		18		80				<0.2		0.3	
						4.4	0.6	159	27.8		8.1		32.7		96.4		6.3		9.3		17		80				<0.2		0.3	
					Bottom	7.7	0.4	189	27.6	27.7	8.1	8.1	32.8	32.8	97.1	97.4	6.4	6.4	11.0		23		86				<0.2		0.2	
						7.7	0.5	200	27.8		8.1		32.7		97.7		6.4		10.7		21		87				<0.2		0.2	
IM4	Fine	Calm	12:43	8.4	Surface	1.0	0.3	131	27.4	27.6	8.1	8.1	33.1	33.0	97.7	97.4	6.4	6.4	7.3	8.5	17	19	79	84	819551	805046	<0.2	<0.2	0.2	0.4
						1.0	0.3	134	27.7		8.1		32.8		97.1		6.4		7.4		17		81				<0.2		0.2	
					Middle	4.2	0.5	180	27.8	27.8	8.1	8.1	32.8	32.8	96.2	96.2	6.3		8.7		17		84				<0.2		0.6	
						4.2	0.5	197	27.8		8.1		32.7		96.1		6.3		8.9		18		84				<0.2		0.6	
					Bottom	7.4	0.4	121	27.8	27.8	8.1	8.1	32.7	32.7	97.3	97.7	6.4	6.4	9.7		21		87				<0.2		0.3	
						7.4	0.4	128	27.8		8.1		32.7		98.0		6.4		8.8		22		89				<0.2		0.2	
IM5	Fine	Calm	12:52	7.6	Surface	1.0	0.3	118	27.8	27.8	8.1	8.1	32.8	32.9	98.1	98.1	6.4	6.4	7.7	10.0	15	17	78	83	820553	804940	<0.2	<0.2	0.2	0.3
						1.0	0.4	124	27.7		8.1		32.9		98.0		6.4		7.9		17		78				<0.2		0.3	
					Middle	3.8	0.4	164	27.4	27.6	8.1	8.1	33.0	32.9	97.5	97.2	6.4		9.7		15		82				<0.2		0.2	
						3.8	0.4	175	27.7		8.1		32.8		96.8		6.3		10.3		16		82				<0.2		0.2	
					Bottom	6.6	0.4	181	27.8	27.6	8.1	8.1	32.7	32.9	96.5	97.9	6.3	6.4	12.9		20		89				<0.2		0.3	
						6.6	0.4	181	27.4		8.1		33.0		99.2		6.5		11.4		20		88				<0.2		0.3	
IM6	Fine	Calm	13:01	7.5	Surface	1.0	0.4	138	27.7	27.5	8.1	8.1	32.8	33.0	97.3	97.6	6.4	6.4	8.4	9.2	11	15	75	81	821077	805824	<0.2	<0.2	0.2	0.3
						1.0	0.5	148	27.3		8.1		33.1		97.8		6.4		8.7		13		76				<0.2		0.3	
					Middle	3.8	0.4	137	27.7	27.7	8.1	8.1	32.8	32.8	97.0	97.0	6.4		9.6		17		80				<0.2		0.3	
						3.8	0.5	139	27.7		8.1		32.8		97.0		6.4		9.6		16		81				<0.2		0.3	
					Bottom	6.5	0.4	104	27.7	27.5	8.1	8.1	32.7	32.9	97.7	98.3	6.4	6.5	9.7		18		87				<0.2		0.2	
						6.5	0.5	109	27.3		8.1		33.0		98.9		6.5		9.3		17		87				<0.2		0.3	
IM7	Fine	Calm	13:08	8.4	Surface	1.0	0.5	126	27.8	27.7	8.1	8.1	32.8	32.9	98.0	98.1	6.4	6.4	6.5	7.4	10	13	75	81	821335	806834	<0.2	<0.2	0.5	0.4
						1.0	0.5	128	27.6		8.1		32.9		98.1		6.4		6.5		12		76				<0.2		0.5	
					Middle	4.2	0.6	184	27.8	27.6	8.1	8.1	32.8	32.9	97.4	97.6	6.4		7.0		12		81				<0.2		0.5	
						4.2	0.6	194	27.4		8.1		33.0		97.8		6.4		7.5		13		80				<0.2		0.5	
					Bottom	7.4	0.2	113	27.3	27.5	8.1	8.1	33.0	32.9	98.2	98.2	6.5	6.5	8.7		14		86				<0.2		0.3	
						7.4	0.3	123	27.7		8.1		32.7		98.2		6.4		8.4		16		86				<0.2		0.2	
IM8	Cloudy	Moderate	12:03	8.5	Surface	1.0	0.5	116	24.8	24.8	8.0	8.0	31.2	31.2	98.6	98.6	6.9	6.9	9.7	15.1	13	17	85	89	821688	807844	<0.2	<0.2	0.4	0.4
						1.0	0.5	123	24.8		8.0		31.2		98.6		6.9		9.7		12		83				<0.2		0.5	
					Middle	4.3	0.5	154	24.8	24.8	7.9	7.9	31.2	31.2	98.4	98.4	6.8		12.8		18		90				<0.2		0.3	
						4.3	0.5	159	24.8		7.9		31.2		98.4		6.8		12.6		16		90				<0.2		0.4	
					Bottom	7.5	0.4	160	24.8	24.8	7.9	7.9	31.2	31.2	99.7	99.8	6.9	6.9	22.9		21		91				<0.2		0.4	
						7.5	0.4	169	24.8		7.9		31.2		99.8		6.9		22.7		19		92				<0.2		0.4	

DA: Depth-Averaged

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

<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:55	8.1	Surface	1.0	0.6	153	24.8	24.8	7.9	7.9	31.1	31.1	99.6	99.6	6.9	6.9	5.5	5.6	10	10	86	89	822098	808810	<0.2	<0.2	0.4	0.4
						1.0	0.6	166	24.8		7.9		31.1		99.6		6.9		5.6		10		83				<0.2		0.5	
					Middle	4.1	0.4	160	24.8	24.8	7.9	7.9	31.1	31.1	99.6	99.6	6.9		5.5		10		90				<0.2		0.3	
						4.1	0.5	172	24.8		7.9		31.1		99.6		6.9		5.5		9		89				<0.2		0.3	
					Bottom	7.1	0.5	160	24.8	24.8	7.9	7.9	31.0	31.0	100.8	100.9	7.0	7.0	5.8		12		92				<0.2		0.5	
						7.1	0.5	162	24.8		7.9		31.0		101.0		7.0		5.8		11		92				<0.2		0.5	
IM10	Cloudy	Moderate	11:46	7.4	Surface	1.0	0.3	107	25.0	25.0	7.9	7.9	31.0	31.0	96.3	96.3	6.7	6.7	6.0	6.7	11	15	85	90	822255	809824	<0.2	<0.2	0.4	0.5
						1.0	0.3	111	25.0		7.9		31.0		96.3		6.7		5.9		12		88				<0.2		0.3	
					Middle	3.7	0.2	178	25.0	25.0	7.9	7.9	31.0	31.0	96.3	96.3	6.7		6.6		14		90				<0.2		0.6	
						3.7	0.2	184	25.0		7.9		31.0		96.3		6.7		6.6		16		91				<0.2		0.5	
					Bottom	6.4	0.3	171	25.0	25.0	7.9	7.9	31.0	31.0	97.6	98.0	6.8	6.8	7.5		16		92				<0.2		0.6	
						6.4	0.4	183	25.0		7.9		31.0		98.3		6.8		7.6		18		93				<0.2		0.6	
IM11	Cloudy	Moderate	11:39	8.8	Surface	1.0	0.3	129	25.1	25.1	7.9	7.9	31.0	31.0	95.8	95.8	6.6	6.7	6.1	6.7	10	13	85	90	821482	810556	<0.2	<0.2	0.5	0.5
						1.0	0.3	137	25.1		7.9		31.0		95.8		6.6		6.1		12		85				<0.2		0.6	
					Middle	4.4	0.3	180	25.1	25.1	7.8	7.8	31.0	31.0	96.1	96.2	6.7		6.9		12		91				<0.2		0.5	
						4.4	0.3	189	25.1		7.8		31.0		96.2		6.7		7.1		12		91				<0.2		0.5	
					Bottom	7.8	0.4	172	25.1	25.1	7.8	7.8	31.0	31.0	97.5	97.6	6.8	6.8	7.1		15		92				<0.2		0.5	
						7.8	0.4	179	25.1		7.8		31.0		97.6		6.8		7.0		17		93				<0.2		0.5	
IM12	Cloudy	Moderate	11:31	9.6	Surface	1.0	0.3	151	25.0	25.0	7.8	7.8	30.8	30.8	96.1	96.1	6.7	6.7	6.0	8.4	10	12	86	90	821165	811501	<0.2	<0.2	0.5	0.6
						1.0	0.3	156	25.0		7.8		30.8		96.1		6.7		6.1		10		87				<0.2		0.5	
					Middle	4.8	0.3	140	25.0	25.0	7.8	7.8	30.8	30.8	96.1	96.1	6.7		8.2		12		91				<0.2		0.6	
						4.8	0.3	150	25.0		7.8		30.8		96.1		6.7		8.3		13		90				<0.2		0.6	
					Bottom	8.6	0.3	113	25.0	25.0	7.8	7.8	30.8	30.8	97.8	97.9	6.8	6.8	10.9		13		92				<0.2		0.6	
						8.6	0.3	117	25.0		7.8		30.8		97.9		6.8		10.8		12		93				<0.2		0.6	
SR2	Fine	Moderate	11:12	4.9	Surface	1.0	0.4	115	25.0	25.0	7.8	7.8	30.5	30.5	96.6	96.7	6.7	6.7	5.7	7.9	13	15	86	89	821453	814183	<0.2	<0.2	0.6	0.6
						1.0	0.4	122	25.0		7.8		30.5		96.7		6.7		5.8		13		87				<0.2		0.7	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.4	112	25.0	25.0	7.8	7.8	30.5	30.5	96.8	96.8	6.7	6.7	9.8		15		91				<0.2		0.5	
						3.9	0.4	116	25.0		7.8		30.5		96.8		6.7		10.2		17		92				<0.2		0.5	
SR3	Cloudy	Moderate	12:09	9.2	Surface	1.0	0.5	153	24.8	24.8	8.0	8.0	31.4	31.4	98.8	98.8	6.9	6.9	8.8	14.0	12	17	-	-	822158	807565	-	-	-	-
						1.0	0.5	154	24.8		8.0		31.4		98.8		6.9		8.9		14		-				-		-	
					Middle	4.6	0.5	170	24.8	24.8	8.0	8.0	31.4	31.4	98.1	98.2	6.8		12.1		16		-				-		-	
						4.6	0.5	177	24.8		8.0		31.4		98.2		6.8		12.0		18		-				-		-	
					Bottom	8.2	0.5	160	24.8	24.8	8.0	8.0	31.4	31.4	98.3	98.3	6.8	6.8	20.9		18		-				-		-	
						8.2	0.5	170	24.8		8.0		31.4		98.2		6.8		21.0		21		-				-		-	
SR4A	Fine	Calm	11:30	9.1	Surface	1.0	0.5	189	27.5	27.5	8.1	8.1	32.9	32.9	95.8	95.8	6.3	6.3	10.8	12.7	20	<u>24</u>	-	-	817183	807809	-	-	-	-
						1.0	0.5	207	27.5		8.1		32.9		95.7		6.3		11.3		18		-				-		-	
					Middle	4.6	0.3	116	27.5	27.5	8.1	8.1	32.9	32.9	95.2	95.2	6.3		13.0		22		-				-		-	
						4.6	0.3	119	27.5		8.1		32.8		95.1		6.3		13.6		23		-				-		-	
					Bottom	8.1	0.4	146	27.5	27.6	8.1	8.1	32.8	32.8	95.2	95.3	6.3	6.3	14.1		32		-				-		-	
						8.1	0.4	148	27.6		8.1		32.8		95.4		6.3		13.6		30		-				-		-	
SR5A	Fine	Calm	11:11	4.6	Surface	1.0	0.3	165	27.7	27.8	8.0	8.0	32.1	32.1	95.2	95.1	6.3	6.3	4.8	5.2	9	9	-	-	816602	810714	-	-	-	-
						1.0	0.3	170	27.8		8.0		32.0		94.9		6.2		5.2		9		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	132	27.8	27.8	8.0	8.0	31.9	31.9	96.0	95.5	6.3	6.3	5.3		8		-				-		-	
						3.6	0.3	140	27.8		8.0		31.9		95.0		6.3		5.3		10		-				-		-	
SR6	Fine	Calm	10:47	5.0	Surface	1.0	0.2	188	27.6	27.6	8.1	8.1	32.8	32.8	94.6	94.5	6.2	6.2	4.9	5.0	10	10	-	-	817885	814643	-	-	-	-
						1.0	0.2	197	27.6		8.1		32.8		94.4		6.2		5.0		8		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	163	27.6	27.6	8.1	8.1	32.8	32.8	94.3	95.2	6.2	6.3	5.2		10		-				-		-	
						4.0	0.1	165	27.6		8.1		32.8		96.1		6.3		5.0		11		-				-		-	
SR7	Fine	Calm	10:22	17.8	Surface	1.0	0.3	184	25.3	25.3	7.8	7.8	30.8	30.8	89.8	89.8	6.2	6.2	5.5	8.0	9	14	-	-	823629	823732	-	-	-	-
						1.0	0.3	189	25.3		7.8		30.8		89.8		6.2		5.6		10		-				-		-	
					Middle	8.9	0.2	164	25.3	25.3	7.8	7.8	30.9	30.9	89.4	89.4	6.2		8.8		15		-				-		-	
						8.9	0.2	179	25.3		7.8		30.9		89.4		6.2		9.1		16		-				-		-	
					Bottom	16.8	0.2	159	25.3	25.3	7.8	7.8	30.9	30.9	90.5	90.6	6.2	6.2	9.4		16		-				-		-	
						16.8	0.2	165	25.3		7.8		30.9		90.6		6.2		9.4		17		-				-		-	
SR8	Cloudy	Moderate	11:26	5.0	Surface	1.0	0.3	170.0	25.0	25.0	7.8	7.8	30.6	30.6	97.2	97.2	6.8	6.8	5.6	6.0	10	13	-	-	820427	811588	-	-	-	-
						1.0	0.3	185.0	25.0		7.8		30.6		97.2		6.8		5.6		11		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	190.0	25.0	25.0	7.8	7.8	30.6	30.6	98.7	98.8	6.9	6.9	6.4		15		-				-		-	
						4.0	0.3	197.0	25.0		7.8		30.5		98.8		6.9		6.4		16		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Moderate	10:21	9.0	Surface	1.0	0.7	48	27.6	27.6	7.9	7.9	31.5	31.5	95.3	95.3	6.3	6.3	12.5	16.2	20	23	83	88	815621	804232	<0.2	<0.2	0.6	0.6
						1.0	0.8	51	27.6		7.9		31.5		95.3		6.3		12.6		19		83				<0.2		0.6	
					Middle	4.5	0.8	51	27.6	27.4	7.9	7.9	31.5	31.7	95.0	95.3	6.3		14.4		21		89				<0.2		0.7	
						4.5	0.8	53	27.2		7.9		31.8		95.6		6.4		14.5		19		90				<0.2		0.6	
					Bottom	8.0	0.7	51	27.5	27.5	7.9	7.9	31.5	31.5	95.2	95.3	6.3	6.3	21.8		28		91				<0.2		0.5	
						8.0	0.7	52	27.5		7.9		31.4		95.4		6.3		21.2		31		92				<0.2		0.4	
C2	Cloudy	Moderate	11:12	12.6	Surface	1.0	0.5	88	24.9	24.9	7.7	7.7	26.9	26.9	91.3	91.3	6.5	6.5	4.2	14.5	7	15	81	89	825672	806928	<0.2	<0.2	1.9	1.7
						1.0	0.5	92	24.9		7.7		26.9		91.3		6.5		4.3		8		82				<0.2		1.9	
					Middle	6.3	0.5	65	24.7	24.7	7.7	7.7	28.0	28.0	90.9	90.9	6.4		9.7		8		90				<0.2		2.0	
						6.3	0.6	67	24.7		7.7		28.0		90.9		6.4		9.9		7		92				<0.2		2.0	
					Bottom	11.6	0.5	74	24.8	24.8	7.7	7.7	29.0	29.0	92.2	92.2	6.5	6.5	29.6		29		93				<0.2		1.2	
						11.6	0.5	81	24.8		7.7		29.0		92.2		6.5		29.4		29		93				<0.2		1.2	
C3	Cloudy	Moderate	09:28	12.4	Surface	1.0	0.7	72	24.7	24.7	7.8	7.8	30.9	30.9	96.4	96.4	6.7	6.7	5.3	14.7	7	18	86	90	822118	817810	<0.2	<0.2	0.4	0.5
						1.0	0.8	73	24.7		7.8		30.9		96.4		6.7		5.4		9		85				<0.2		0.5	
					Middle	6.2	0.8	267	24.6	24.6	7.8	7.8	31.0	31.0	95.7	95.7	6.7		18.0		17		90				<0.2		0.7	
						6.2	0.8	270	24.6		7.8		31.0		95.7		6.7		18.1		17		92				<0.2		0.7	
					Bottom	11.4	0.5	274	24.6	24.6	7.8	7.8	31.0	31.0	96.8	96.8	6.8	6.8	20.6		29		93				<0.2		0.4	
						11.4	0.6	274	24.6		7.8		31.0		96.8		6.8		20.6		27		93				<0.2		0.4	
IM1	Fine	Moderate	11:13	8.2	Surface	1.0	0.6	238	27.9	27.9	7.9	7.9	29.8	29.8	94.9	94.9	6.3	6.3	6.8	10.2	9	9	83	89	818350	806440	<0.2	<0.2	2.6	1.5
						1.0	0.6	256	27.9		7.9		29.8		94.9		6.3		6.9		10		84				<0.2		2.5	
					Middle	4.1	0.6	232	27.7	27.7	7.9	7.9	30.9	30.9	94.3	94.3	6.2		8.2		10		89				<0.2		1.1	
						4.1	0.6	245	27.7		7.9		30.9		94.3		6.3		8.4		9		91				<0.2		1.0	
					Bottom	7.2	0.5	244	27.5	27.5	7.9	7.9	31.1	31.1	94.9	95.0	6.3	6.3	15.5		9		92				<0.2		1.0	
						7.2	0.5	247	27.5		7.9		31.1		95.0		6.3		15.5		9		92				<0.2		1.0	
IM2	Fine	Moderate	11:36	8.3	Surface	1.0	0.7	235	27.9	27.9	7.9	7.9	29.8	29.7	94.7	94.7	6.3	6.3	7.1	11.8	10	10	84	89	818856	806201	<0.2	<0.2	2.1	2.2
						1.0	0.7	253	27.9		7.9		29.6		94.6		6.3		7.0		11		86				<0.2		2.0	
					Middle	4.2	0.6	238	27.6	27.6	7.9	7.9	31.0	31.0	92.9	92.9	6.2		12.6		10		89				<0.2		2.5	
						4.2	0.6	246	27.6		7.9		31.0		92.9		6.2		12.8		11		90				<0.2		2.4	
					Bottom	7.3	0.5	247	27.5	27.5	7.9	7.9	31.1	31.1	92.6	92.6	6.1	6.1	15.5		10		92				<0.2		2.2	
						7.3	0.5	269	27.5		7.9		31.1		92.6		6.1		15.5		9		93				<0.2		2.2	
IM3	Fine	Moderate	11:45	8.6	Surface	1.0	0.6	233	27.9	27.9	7.9	7.9	29.7	29.7	94.3	94.3	6.3	6.3	8.0	12.9	7	10	83	88	819414	806005	<0.2	<0.2	1.6	1.6
						1.0	0.6	242	27.9		7.9		29.7		94.2		6.3		8.0		9		83				<0.2		1.5	
					Middle	4.3	0.6	255	27.6	27.6	7.9	7.9	30.9	30.9	93.0	93.1	6.2		13.8		9		89				<0.2		1.5	
						4.3	0.6	277	27.6		7.9		30.9		93.1		6.2		14.0		11		89				<0.2		1.7	
					Bottom	7.6	0.5	264	27.5	27.5	7.9	7.9	31.1	31.1	92.9	92.9	6.2	6.2	17.3		12		92				<0.2		1.6	
						7.6	0.5	267	27.5		7.9		31.1		92.9		6.2		16.3		12		93				<0.2		1.6	
IM4	Fine	Moderate	11:53	8.2	Surface	1.0	0.7	239	27.9	27.9	7.9	7.9	29.6	29.6	94.3	94.3	6.3	6.3	8.0	12.3	12	12	83	88	819574	805023	<0.2	<0.2	1.7	1.8
						1.0	0.7	242	27.9		7.9		29.6		94.3		6.3		8.2		11		83				<0.2		1.8	
					Middle	4.1	0.6	239	27.6	27.6	7.9	7.9	30.9	30.9	93.0	93.0	6.2		13.9		12		87				<0.2		1.8	
						4.1	0.7	243	27.6		7.9		30.9		93.0		6.2		14.0		11		89				<0.2		1.9	
					Bottom	7.2	0.5	241	27.5	27.5	7.9	7.9	31.0	31.0	93.1	93.1	6.2	6.2	14.9		12		91				<0.2		1.9	
						7.2	0.5	252	27.5		7.9		31.0		93.1		6.2		14.5		14		92				<0.2		1.9	
IM5	Fine	Moderate	12:01	7.1	Surface	1.0	0.7	259	27.7	27.7	7.9	7.9	30.6	30.6	93.5	93.5	6.2	6.2	11.2	17.0	5	6	82	88	820548	804940	<0.2	<0.2	2.2	2.1
						1.0	0.7	259	27.7		7.9		30.5		93.4		6.2		11.1		4		84				<0.2		2.1	
					Middle	3.6	0.6	263	27.5	27.5	7.9	7.9	31.0	31.0	92.7	92.7	6.2		17.1		5		87				<0.2		2.2	
						3.6	0.7	288	27.5		7.9		31.0		92.7		6.2		17.4		6		89				<0.2		2.1	
					Bottom	6.1	0.5	265	27.4	27.4	7.9	7.9	31.1	31.1	92.4	92.4	6.1	6.1	22.7		8		91				<0.2		2.0	
						6.1	0.5	269	27.4		7.9		31.1		92.4		6.1		22.5		7		92				<0.2		1.9	
IM6	Fine	Moderate	12:10	7.0	Surface	1.0	0.7	244	27.6	27.6	7.9	7.9	30.7	30.7	93.5	93.5	6.2	6.2	12.3	15.4	5	5	83	88	821043	805830	<0.2	<0.2	0.5	0.7
						1.0	0.7	249	27.6		7.9		30.7		93.5		6.2		12.6		6		84				<0.2		0.6	
					Middle	3.5	0.6	242	27.5	27.5	7.9	7.9	31.0	31.0	93.0	93.0	6.2		16.0		5		88				<0.2		0.7	
						3.5	0.6	259	27.5		7.9		31.0		92.9		6.2		16.9		5		90				<0.2		0.7	
					Bottom	6.0	0.6	258	27.5	27.5	7.9	7.9	31.1	31.1	92.9	92.9	6.2	6.2	17.4		5		92				<0.2		0.8	
						6.0	0.6	271	27.5		7.9		31.1		92.9		6.2		17.2		6		92				<0.2		0.7	
IM7	Fine	Moderate	12:15	8.2	Surface	1.0	0.7	220	27.7	27.7	7.9	7.9	30.6	30.6	93.4	93.4	6.2	6.2	13.7	19.7	6	5	83	89	821364	806828	<0.2	<0.2	0.7	0.7
						1.0	0.7	228	27.7		7.9		30.5		93.4		6.2		13.7		6		86				<0.2		0.6	
					Middle	4.1	0.7	267	27.5	27.5	7.9	7.9	31.1	31.1	92.6	92.6	6.1		21.8		4		91				<0.2		0.7	
						4.1	0.8	289	27.5		7.9		31.1		92.5		6.1		22.0		4		91				<0.2		0.6	
					Bottom	7.2	0.6	271	27.4	27.4	7.9	7.9	31.1	31.1	92.6	92.6	6.1	6.1	23.6		6		92				<0.2		0.6	
						7.2	0.7	287	27.4		7.9		31.1		92.6		6.1		23.4		5		92				<0.2		0.7	
IM8	Cloudy	Moderate	10:38	8.2	Surface	1.0	0.4	226	25.0	25.0	7.8	7.8	28.0	28.0	93.0	93.1	6.6	6.6	1.7	5.9	3	13	83	88	821709	807826	<0.2	<0.2	1.7	1.5
						1.0	0.5	230	25.0		7.8		28.0		93.1		6.6		1.8		5		83				<0.2		1.7	
					Middle	4.1	0.7	257	24.7	24.7	7.8	7.8	28.7	28.7	93.3	93.3	6.6		6.3		7		89				<0.2		1.5	
						4.1	0.7	281	24.7		7.8		28.7		93.3		6.6		6.5		6		91				<0.2		1.6	
					Bottom	7.2	0.6	267	24.5	24.5	7.8	7.8	30.4	30.4	94.1	94.1	6.6	6.6	9.6		30		92				<0.2		1.1	
						7.2	0.6	281	24.5		7.8		30.4		94.1		6.6		9.4		28		92				<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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Average	pH Value	Average	Salinity (ppt) Value	Average	DO Saturation (%) Value	Average	Dissolved Oxygen Value	DA	Turbidity(NTU) Value	DA	Suspended Solids (mg/L) Value	DA	Total Alkalinity (ppm) Value	DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	DA	Nickel (μg/L) Value	DA
IM9	Cloudy	Moderate	10:30	7.8	Surface	1.0	0.4	177	24.9	24.9	7.8	7.8	28.7	28.7	94.6	94.6	6.7	6.6	3.1	5.2	2	5	85	89	822083	808792	<0.2	<0.2	1.5	1.3
						1.0	0.4	192	24.9		7.8		28.7		94.6		6.6		3.2		2		84				<0.2		1.4	
					Middle	3.9	0.5	243	24.8	24.8	7.8	7.8	29.6	29.6	94.2	94.2	6.6		5.4		5		89				<0.2		1.0	
						3.9	0.5	266	24.8		7.8		29.6		94.2		6.6		5.5		5		90				<0.2		1.2	
					Bottom	6.8	0.4	221	24.7	24.7	7.8	7.8	29.6	29.6	94.9	95.2	6.7	6.7	7.3		9		92				<0.2		1.2	
						6.8	0.5	221	24.7		7.8		29.6		95.4		6.7		6.9		9		93				<0.2		1.3	
IM10	Cloudy	Moderate	10:22	7.6	Surface	1.0	0.5	279	24.8	24.8	7.8	7.8	30.7	30.7	98.0	98.0	6.8	6.8	5.5	12.2	5	12	86	90	822240	809837	<0.2	<0.2	1.2	1.4
						1.0	0.6	283	24.8		7.8		30.7		98.0		6.8		5.3		6		87				<0.2		1.2	
					Middle	3.8	0.5	271	24.7	24.7	7.8	7.8	31.0	31.0	97.6	97.6	6.8		8.3		8		91				<0.2		1.4	
						3.8	0.5	290	24.7		7.8		31.0		97.6		6.8		8.5		8		90				<0.2		1.4	
					Bottom	6.6	0.4	253	24.6	24.6	7.8	7.8	31.2	31.2	97.8	97.8	6.8	6.8	22.8		21		93				<0.2		1.5	
						6.6	0.5	274	24.6		7.8		31.2		97.8		6.8		22.9		21		92				<0.2		1.7	
IM11	Cloudy	Moderate	10:14	8.4	Surface	1.0	0.6	275	24.6	24.6	7.8	7.8	31.0	31.0	96.8	96.8	6.8	6.8	16.3	21.0	31	32	84	90	821515	810559	<0.2	<0.2	1.0	0.8
						1.0	0.6	294	24.6		7.8		31.0		96.8		6.8		16.3		33		84				<0.2		0.9	
					Middle	4.2	0.5	276	24.6	24.6	7.8	7.8	31.0	31.0	96.6	96.6	6.7		21.2		33		92				<0.2		0.7	
						4.2	0.5	299	24.6		7.8		31.0		96.5		6.7		20.9		32		92				<0.2		0.6	
					Bottom	7.4	0.5	271	24.5	24.5	7.8	7.8	31.2	31.2	96.9	96.9	6.8	6.8	25.4		31		94				<0.2		0.8	
						7.4	0.5	295	24.5		7.8		31.2		96.9		6.8		25.7		30		93				<0.2		0.8	
IM12	Cloudy	Moderate	10:07	9.0	Surface	1.0	0.7	264	24.8	24.8	7.8	7.8	30.8	30.8	96.6	96.6	6.7	6.7	7.5	16.6	10	18	84	89	821142	811520	<0.2	<0.2	0.8	0.9
						1.0	0.8	276	24.8		7.8		30.8		96.6		6.7		7.5		9		82				<0.2		0.9	
					Middle	4.5	0.7	266	24.7	24.7	7.8	7.8	30.9	30.9	96.2	96.3	6.7		13.0		12		90				<0.2		0.9	
						4.5	0.8	274	24.7		7.8		30.9		96.3		6.7		13.2		13		90				<0.2		1.1	
					Bottom	8.0	0.5	270	24.6	24.6	7.8	7.8	31.2	31.2	96.6	96.6	6.7	6.7	29.1		30		93				<0.2		0.9	
						8.0	0.6	281	24.6		7.8		31.2		96.6		6.7		29.1		31		94				<0.2		1.0	
SR2	Cloudy	Moderate	09:47	4.8	Surface	1.0	0.3	263	24.6	24.6	7.8	7.8	31.2	31.2	96.7	96.7	6.7	6.7	14.9	18.3	20	21	86	89	821464	814153	<0.2	<0.2	1.0	0.9
						1.0	0.3	284	24.6		7.8		31.2		96.7		6.7		15.1		20		86				<0.2		0.9	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	265	24.6	24.6	7.7	7.7	31.4	31.4	98.0	98.1	6.8	6.8	21.5		22		91				<0.2		0.9	
						3.8	0.3	289	24.6		7.7		31.4		98.1		6.8		21.6		21		91				<0.2		0.9	
SR3	Cloudy	Moderate	10:44	9.1	Surface	1.0	0.5	169	24.9	24.9	7.8	7.8	27.9	27.9	92.5	92.5	6.5	6.5	3.7	13.4	6	15	-	-	822133	807553	-	-	-	-
						1.0	0.6	183	24.9		7.8		27.9		92.4		6.5		3.8		6		-				-		-	
					Middle	4.6	0.7	68	24.7	24.7	7.8	7.8	29.1	29.1	92.0	92.0	6.5		7.2		6		-				-		-	
						4.6	0.7	74	24.7		7.8		29.1		92.0		6.5		7.2		8		-				-		-	
					Bottom	8.1	0.5	101	24.6	24.6	7.8	7.8	30.3	30.3	93.3	93.4	6.5	6.5	29.1		33		-				-		-	
						8.1	0.5	110	24.6		7.8		30.3		93.4		6.5		29.2		31		-				-		-	
SR4A	Fine	Calm	09:42	8.9	Surface	1.0	0.1	174	27.2	27.3	7.9	7.9	31.2	31.2	94.3	94.3	6.3	6.3	12.3	15.8	21	25	-	-	817187	807801	-	-	-	-
						1.0	0.1	183	27.3		7.9		31.2		94.3		6.3		12.1		21		-				-		-	
					Middle	4.5	0.1	143	27.2	27.2	7.9	7.9	31.3	31.3	94.1	94.1	6.3		15.8		22		-				-		-	
						4.5	0.1	143	27.2		7.9		31.3		94.1		6.3		15.9		21		-				-		-	
					Bottom	7.9	0.1	125	27.2	27.2	7.9	7.9	31.4	31.4	94.0	94.1	6.3	6.3	19.1		33		-				-		-	
						7.9	0.1	134	27.2		7.9		31.4		94.2		6.3		19.7		33		-				-		-	
SR5A	Fine	Calm	09:25	4.4	Surface	1.0	0.3	263	27.4	27.3	7.9	7.9	30.8	30.9	94.0	94.1	6.3	6.3	6.0	6.1	10	9	-	-	816592	810693	-	-	-	-
						1.0	0.3	278	27.2		7.9		30.9		94.2		6.3		6.1		8		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	274	27.2	27.1	7.9	7.9	30.9	31.0	95.3	95.8	6.4	6.4	6.3		9		-				-		-	
						3.4	0.3	292	27.0		7.9		31.0		96.2		6.4		6.0		10		-				-		-	
SR6	Fine	Calm	08:52	4.3	Surface	1.0	0.2	225	27.3	27.3	7.9	7.9	31.2	31.2	94.9	94.9	6.3	6.3	9.4	9.9	9	11	-	-	817908	814664	-	-	-	-
						1.0	0.2	232	27.3		7.9		31.2		94.9		6.3		9.6		10		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	217	27.3	27.3	7.9	7.9	31.2	31.2	95.3	95.9	6.3	6.4	10.2		13		-				-		-	
						3.3	0.2	225	27.2		7.9		31.2		96.5		6.4		10.3		13		-				-		-	
SR7	Fine	Moderate	08:57	17.1	Surface	1.0	0.3	138	24.7	24.7	7.8	7.8	30.9	30.9	94.4	94.4	6.6	6.6	7.2	17.0	12	23	-	-	823638	823761	-	-	-	-
						1.0	0.3	138	24.7		7.8		30.9		94.4		6.6		7.2		11		-				-		-	
					Middle	8.6	0.4	177	24.7	24.7	7.8	7.8	30.9	30.9	93.6	93.6	6.5		20.4		26		-				-		-	
						8.6	0.4	193	24.7		7.8		30.9		93.6		6.5		21.8		26		-				-		-	
					Bottom	16.1	0.3	184	24.7	24.7	7.8	7.8	30.9	30.9	93.3	93.4	6.5	6.5	23.9		32		-				-		-	
						16.1	0.3	189	24.7		7.8		30.9		93.5		6.5		21.4		30		-				-		-	
SR8	Cloudy	Moderate	10:01	5.0	Surface	1.0	0.3	200	24.8	24.8	7.8	7.8	30.6	30.6	97.0	97.0	6.8	6.8	7.9	8.2	11	12	-	-	820436	811611	-	-	-	-
						1.0	0.3	219	24.8		7.8		30.6		97.0		6.8		7.8		11		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	217	24.6	24.6	7.7	7.7	31.1	31.1	98.7	98.8	6.9	6.9	8.5		12		-				-		-	
						4.0	0.3	217	24.6		7.7		31.1		98.8		6.9		8.4		13		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Fine	Moderate	15:49	8.6	Surface	1.0	0.2	186	27.7	27.8	7.9	7.9	30.5	30.5	93.7	93.7	6.2	6.2	10.7	14.9	8	11	86	90	815605	804260	<0.2	<0.2	1.0	1.0
						1.0	0.2	195	27.8		7.9		30.5		93.6		6.2		10.7		10		86				<0.2		1.0	
					Middle	4.3	0.2	195	27.5	27.6	7.9	7.9	31.1	31.1	93.1	93.1	6.2		14.6		11		90				<0.2		1.1	
						4.3	0.2	207	27.6		7.9		31.1		93.1		6.2		14.6		12		90				<0.2		1.0	
					Bottom	7.6	0.2	144	27.4	27.5	7.9	7.9	31.2	31.2	92.5	92.5	6.1	6.1	19.6		11		93				<0.2		1.0	
						7.6	0.2	157	27.5		7.9		31.1		92.5		6.1		19.1		11		95				<0.2		1.1	
C2	Cloudy	Moderate	14:21	11.8	Surface	1.0	0.3	117	25.0	25.0	7.7	7.7	28.6	28.6	92.2	92.2	6.5	6.5	3.1	9.5	8	12	82	88	825698	806959	<0.2	<0.2	1.7	1.8
						1.0	0.3	123	25.0		7.7		28.6		92.2		6.5		3.2		8		83				<0.2		1.9	
					Middle	5.9	0.3	96	24.8	24.8	7.7	7.7	29.0	29.0	91.3	91.3	6.4		5.3		8		88				<0.2		2.0	
						5.9	0.3	98	24.8		7.7		29.0		91.3		6.4		5.4		7		90				<0.2		2.0	
					Bottom	10.8	0.2	101	24.7	24.7	7.7	7.7	30.8	30.8	93.2	93.3	6.5	6.5	20.0		19		93				<0.2		1.8	
						10.8	0.2	110	24.7		7.7		30.8		93.3		6.5		20.1		20		93				<0.2		1.5	
C3	Cloudy	Moderate	16:05	12.0	Surface	1.0	0.6	76	25.0	25.0	7.8	7.8	31.1	31.1	92.4	92.4	6.4	6.4	0.1	1.6	8	10	86	90	822089	817809	<0.2	<0.2	0.6	0.5
						1.0	0.6	79	25.0		7.8		31.1		92.4		6.4		0.1		9		87				<0.2		0.5	
					Middle	6.0	0.5	80	24.8	24.8	7.8	7.8	31.1	31.1	91.0	91.1	6.3		2.0		8		91				<0.2		0.5	
						6.0	0.5	81	24.8		7.8		31.1		91.1		6.3		2.0		10		91				<0.2		0.5	
					Bottom	11.0	0.4	102	24.8	24.8	7.8	7.8	31.1	31.1	93.3	93.4	6.5	6.5	2.8		10		93				<0.2		0.6	
						11.0	0.5	109	24.8		7.8		31.1		93.4		6.5		2.8		12		94				<0.2		0.5	
IM1	Fine	Moderate	15:25	7.9	Surface	1.0	0.1	142	27.6	27.6	7.9	7.9	30.9	30.9	93.9	94.0	6.2	6.2	14.1	17.4	5	6	85	89	818363	806467	<0.2	<0.2	1.0	1.0
						1.0	0.2	144	27.6		7.9		30.9		94.0		6.2		14.3		6		86				<0.2		1.0	
					Middle	4.0	0.2	154	27.6	27.6	7.9	7.9	31.0	31.1	94.2	94.2	6.2		18.0		5		88				<0.2		1.0	
						4.0	0.2	157	27.6		7.9		31.1		94.2		6.3		18.2		4		88				<0.2		1.0	
					Bottom	6.9	0.1	114	27.6	27.6	7.9	7.9	31.0	31.0	96.2	96.3	6.4	6.4	20.0		7		92				<0.2		1.1	
						6.9	0.1	124	27.6		7.9		31.0		96.3		6.4		19.9		9		93				<0.2		1.0	
IM2	Fine	Moderate	15:12	8.4	Surface	1.0	0.2	166	27.6	27.6	7.9	7.9	30.9	30.9	93.3	93.3	6.2	6.2	12.6	19.0	7	7	84	88	818860	806203	<0.2	<0.2	1.1	1.1
						1.0	0.2	167	27.6		7.9		30.9		93.3		6.2		12.6		8		84				<0.2		1.0	
					Middle	4.2	0.2	102	27.4	27.4	7.9	7.9	31.1	31.1	92.3	92.4	6.1		20.4		6		87				<0.2		1.1	
						4.2	0.2	104	27.4		7.9		31.1		92.4		6.1		20.6		6		86				<0.2		1.1	
					Bottom	7.4	0.2	177	27.4	27.4	7.9	7.9	31.2	31.2	92.5	92.6	6.1	6.1	24.8		7		92				<0.2		1.0	
						7.4	0.2	185	27.4		7.9		31.2		92.6		6.1		22.7		9		92				<0.2		1.1	
IM3	Fine	Moderate	15:01	8.5	Surface	1.0	0.3	158	27.6	27.6	7.9	7.9	30.9	30.9	93.3	93.3	6.2	6.2	12.5	18.9	9	10	83	87	819419	806034	<0.2	<0.2	1.1	1.1
						1.0	0.3	172	27.6		7.9		30.9		93.3		6.2		12.7		9		85				<0.2		1.0	
					Middle	4.3	0.3	159	27.5	27.5	7.9	7.9	31.1	31.1	92.8	92.8	6.2		17.5		11		85				<0.2		1.2	
						4.3	0.3	167	27.5		7.9		31.1		92.8		6.2		17.7		9		87				<0.2		1.1	
					Bottom	7.5	0.3	178	27.4	27.4	7.9	7.9	31.1	31.1	92.2	92.2	6.1	6.1	26.8		9		91				<0.2		1.1	
						7.5	0.3	188	27.4		7.9		31.1		92.2		6.1		26.1		10		92				<0.2		1.3	
IM4	Fine	Moderate	14:47	8.0	Surface	1.0	0.4	126	27.6	27.6	7.9	7.9	30.9	30.9	93.3	93.3	6.2	6.2	12.6	16.3	14	14	84	88	819564	805030	<0.2	<0.2	1.1	1.0
						1.0	0.4	131	27.6		7.9		30.8		93.2		6.2		12.6		15		85				<0.2		1.0	
					Middle	4.0	0.3	120	27.5	27.5	7.9	7.9	31.1	31.1	92.8	92.9	6.2		15.5		14		89				<0.2		1.0	
						4.0	0.3	122	27.5		7.9		31.1		92.9		6.2		15.8		14		88				<0.2		1.1	
					Bottom	7.0	0.3	178	27.4	27.4	7.9	7.9	31.1	31.1	92.4	92.5	6.1	6.1	20.8		13		91				<0.2		1.0	
						7.0	0.3	190	27.4		7.9		31.1		92.5		6.1		20.4		13		92				<0.2		1.0	
IM5	Fine	Moderate	14:37	7.4	Surface	1.0	0.3	184	27.6	27.6	7.9	7.9	30.7	30.7	93.5	93.5	6.2	6.2	11.5	14.7	12	13	84	87	820578	804927	<0.2	<0.2	1.1	1.1
						1.0	0.3	189	27.6		7.9		30.7		93.5		6.2		11.6		12		84				<0.2		1.1	
					Middle	3.7	0.3	162	27.5	27.5	7.9	7.9	31.1	31.1	93.0	93.0	6.2		15.2		13		86				<0.2		1.0	
						3.7	0.3	166	27.5		7.9		31.1		93.0		6.2		15.4		14		86				<0.2		1.0	
					Bottom	6.4	0.3	190	27.5	27.5	7.9	7.9	31.1	31.1	92.9	93.0	6.2	6.2	17.3		13		89				<0.2		1.2	
						6.4	0.3	208	27.5		7.9		31.1		93.1		6.2		17.3		12		90				<0.2		1.0	
IM6	Fine	Moderate	14:26	7.3	Surface	1.0	0.3	179	27.7	27.7	7.9	7.9	30.6	30.6	93.8	93.8	6.2	6.2	10.3	15.9	9	12	85	88	821046	805838	<0.2	<0.2	0.9	1.0
						1.0	0.3	196	27.7		7.9		30.5		93.8		6.2		10.2		10		84				<0.2		1.1	
					Middle	3.7	0.3	172	27.5	27.5	7.9	7.9	31.1	31.1	93.2	93.2	6.2		14.7		13		87				<0.2		1.0	
						3.7	0.3	178	27.5		7.9		31.1		93.2		6.2		15.2		14		88				<0.2		1.0	
					Bottom	6.3	0.3	168	27.5	27.5	7.9	7.9	31.1	31.1	92.8	92.8	6.2	6.2	22.2		12		90				<0.2		1.0	
						6.3	0.3	184	27.5		7.9		31.1		92.8		6.2		22.5		12		92				<0.2		1.0	
IM7	Fine	Moderate	14:18	7.6	Surface	1.0	0.4	147	27.7	27.7	7.9	7.9	30.5	30.5	93.9	93.9	6.2	6.2	11.9	17.6	5	6	85	88	821362	806829	<0.2	<0.2	1.0	1.0
						1.0	0.4	157	27.7		7.9		30.5		93.9		6.2		12.0		5		85				<0.2		1.0	
					Middle	3.8	0.5	166	27.5	27.5	7.9	7.9	31.1	31.1	93.3	93.4	6.2		19.1		4		88				<0.2		1.0	
						3.8	0.5	168	27.4		7.9		31.1		93.4		6.2		19.0		5		88				<0.2		1.1	
					Bottom	6.6	0.4	177	27.4	27.4	7.9	7.9	31.1	31.1	94.0	94.1	6.3	6.3	21.7		8		90				<0.2		1.0	
						6.6	0.4	185	27.4		7.9		31.1		94.1		6.3		21.7		10		92				<0.2		1.0	
IM8	Cloudy	Moderate	14:58	8.3	Surface	1.0	0.5	180	25.2	25.2	7.8	7.8	29.5	29.6	97.8	97.8	6.8	6.8	2.2	9.0	5	13	83	89	821677	807856	<0.2	<0.2	1.0	0.7
						1.0	0.5	190	25.2		7.8		29.6		97.8		6.8		2.3		6		86				<0.2		1.0	
					Middle	4.2	0.5	191	25.0	25.0	7.8	7.8	30.6	30.6	97.1	97.1	6.7		2.4		10		90				<0.2		0.7	
						4.2	0.5	205	25.0		7.8		30.6		97.0		6.7		2.4		12		90				<0.2		0.7	
					Bottom	7.3	0.4	199	24.7	24.7	7.8	7.8	31.6	31.6	96.8	96.8	6.7	6.7	22.3		24		92				<0.2		0.5	
						7.3	0.4	199	24.7		7.8		31.6		96.8		6.7		22.3		23		92				<0.2		0.5	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 October 16 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	15:06	7.2	Surface	1.0	0.6	194	25.1	25.1	7.8	7.8	29.8	29.8	97.0	97.0	6.8	6.8	3.0	11.5	5	17	85	89	822090	808798	<0.2	<0.2	1.0	0.8
						1.0	0.7	206	25.1		7.8		29.8		96.9		6.8		3.1		4		85				<0.2		1.0	
					Middle	3.6	0.7	196	24.9	24.9	7.8	7.8	30.5	30.5	96.1	96.1	6.7		6.8		9		90				<0.2		0.9	
						3.6	0.7	199	24.9		7.8		30.5		96.1		6.7		7.0		7		90				<0.2		0.8	
					Bottom	6.2	0.5	181	24.7	24.7	7.8	7.8	31.0	31.0	95.4	95.4	6.6	6.6	25.0		37		91				<0.2		0.6	
						6.2	0.5	182	24.7		7.8		31.0		95.4		6.6		24.0		37		92				<0.2		0.7	
IM10	Cloudy	Moderate	15:12	7.4	Surface	1.0	0.5	105	25.0	25.0	7.8	7.8	30.6	30.6	96.8	96.9	6.7	6.7	3.8	4.0	8	10	86	89	822257	809854	<0.2	<0.2	0.8	0.7
						1.0	0.5	114	25.0		7.8		30.6		96.9		6.7		3.9		7		84				<0.2		0.7	
					Middle	3.7	0.5	187	24.9	24.9	7.8	7.8	30.8	30.8	96.6	96.6	6.7		3.9		10		91				<0.2		0.8	
						3.7	0.5	198	24.9		7.8		30.8		96.6		6.7		3.9		11		89				<0.2		0.7	
					Bottom	6.4	0.5	196	24.7	24.7	7.8	7.8	31.4	31.4	97.0	97.0	6.7	6.7	4.3		12		93				<0.2		0.6	
						6.4	0.5	208	24.7		7.8		31.4		97.0		6.7		4.4		10		92				<0.2		0.6	
IM11	Cloudy	Moderate	15:19	7.3	Surface	1.0	0.5	108	25.1	25.1	7.8	7.8	30.4	30.4	98.5	98.5	6.8	6.8	1.4	2.5	5	7	85	89	821497	810537	<0.2	<0.2	0.8	0.7
						1.0	0.5	110	25.1		7.8		30.4		98.5		6.8		1.5		7		85				<0.2		0.8	
					Middle	3.7	0.5	114	25.0	25.0	7.8	7.8	31.0	31.1	98.5	98.6	6.8		2.1		7		90				<0.2		0.6	
						3.7	0.5	116	24.9		7.8		31.1		98.6		6.8		2.3		7		90				<0.2		0.7	
					Bottom	6.3	0.5	114	24.9	24.9	7.8	7.8	31.6	31.6	99.4	99.4	6.9	6.9	3.9		7		91				<0.2		0.5	
						6.3	0.5	117	24.9		7.8		31.6		99.4		6.9		4.0		6		92				<0.2		0.6	
IM12	Cloudy	Moderate	15:26	8.6	Surface	1.0	0.6	194	25.2	25.2	7.8	7.8	30.0	30.0	99.0	99.0	6.9	6.9	1.5	2.2	6	6	85	89	821173	811523	<0.2	<0.2	0.9	0.7
						1.0	0.7	197	25.2		7.8		30.0		99.0		6.9		1.5		5		83				<0.2		0.9	
					Middle	4.3	0.7	197	25.0	25.0	7.8	7.8	30.8	30.8	98.5	98.6	6.8		2.0		6		89				<0.2		0.7	
						4.3	0.7	210	25.0		7.8		30.8		98.6		6.8		2.1		6		90				<0.2		0.7	
					Bottom	7.6	0.5	188	24.8	24.8	7.8	7.8	31.5	31.5	98.0	98.0	6.8	6.8	2.9		6		93				<0.2		0.6	
						7.6	0.5	188	24.7		7.8		31.5		98.0		6.8		2.9		6		91				<0.2		0.5	
SR2	Cloudy	Moderate	15:46	5.1	Surface	1.0	0.5	89	24.8	24.8	7.8	7.8	31.2	31.2	98.0	98.0	6.8	6.8	4.8	5.3	10	14	84	88	821468	814179	<0.2	<0.2	0.4	0.4
						1.0	0.6	90	24.8		7.8		31.2		98.0		6.8		4.9		11		85				<0.2		0.4	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.4	100	24.7	24.7	7.8	7.8	31.3	31.3	99.8	100.0	6.9	7.0	5.7		18		93				<0.2		0.4	
						4.1	0.5	107	24.7		7.8		31.3		100.1		7.0		5.6		16		91				<0.2		0.4	
SR3	Cloudy	Moderate	14:51	8.8	Surface	1.0	0.4	165	24.9	24.9	7.8	7.8	31.1	31.1	97.1	97.1	6.7	6.7	9.1	22.3	12	25	-	-	822140	807572	-	-	-	-
						1.0	0.4	177	24.9		7.8		31.1		97.1		6.7		9.3		11		-				-		-	
					Middle	4.4	0.4	103	24.8	24.8	7.8	7.8	31.3	31.3	96.4	96.4	6.7		20.3		27		-				-		-	
						4.4	0.4	105	24.8		7.8		31.3		96.4		6.7		20.1		31		-				-		-	
					Bottom	7.8	0.5	179	24.8	24.8	7.8	7.8	31.5	31.5	96.6	96.6	6.7	6.7	37.4		36		-				-		-	
						7.8	0.5	190	24.8		7.8		31.5		96.6		6.7		37.4		34		-				-		-	
SR4A	Fine	Calm	16:11	9.2	Surface	1.0	0.4	84	27.8	27.7	8.0	8.0	31.8	31.9	96.2	96.3	6.3	6.4	15.0	19.8	22	28	-	-	817206	807829	-	-	-	-
						1.0	0.4	91	27.6		8.0		31.9		96.4		6.4		15.3		23		-				-		-	
					Middle	4.6	0.4	83	27.5	27.4	8.0	8.0	32.0	32.2	95.7	96.0	6.3		21.5		29		-				-		-	
						4.6	0.4	83	27.2		8.0		32.3		96.3		6.4		21.0		30		-				-		-	
					Bottom	8.2	0.4	91	27.4	27.5	8.0	8.0	32.1	32.1	95.8	95.8	6.3	6.3	23.0		30		-				-		-	
						8.2	0.4	94	27.5		8.0		32.0		95.7		6.3		23.1		34		-				-		-	
SR5A	Fine	Calm	16:26	3.6	Surface	1.0	0.1	146	27.9	27.9	8.0	8.0	30.6	30.7	95.6	95.6	6.3	6.3	6.4	6.9	11	11	-	-	816612	810714	-	-	-	-
						1.0	0.1	147	27.9		8.0		30.7		95.6		6.3		6.5		11		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	144	27.5	27.3	8.0	8.0	30.7	30.9	95.9	96.2	6.4	6.4	7.4		11		-				-		-	
						2.6	0.2	152	27.1		8.0		31.0		96.4		6.4		7.4		12		-				-		-	
SR6	Fine	Calm	16:47	3.8	Surface	1.0	0.4	136	28.4	28.2	8.0	8.0	30.7	30.8	98.0	98.2	6.4	6.5	4.1	4.3	5	5	-	-	817909	814682	-	-	-	-
						1.0	0.4	139	28.0		8.0		30.9		98.4		6.5		4.2		4		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.3	134	27.7	27.5	8.0	8.0	31.3	31.4	99.0	99.4	6.5	6.6	4.4		6		-				-		-	
						2.8	0.3	145	27.3		8.0		31.5		99.8		6.6		4.4		5		-				-		-	
SR7	Cloudy	Moderate	16:33	17.6	Surface	1.0	0.6	74	24.9	24.9	7.8	7.8	31.2	31.2	90.6	90.6	6.3	6.3	2.4	7.2	7	7	-	-	823616	823743	-	-	-	-
						1.0	0.6	75	24.9		7.8		31.2		90.6		6.3		2.5		6		-				-		-	
					Middle	8.8	0.6	66	24.8	24.8	7.8	7.8	31.1	31.1	90.5	90.5	6.3		7.2		6		-				-		-	
						8.8	0.7	69	24.8		7.8		31.1		90.5		6.3		7.5		7		-				-		-	
					Bottom	16.6	0.3	95	24.8	24.8	7.8	7.8	31.2	31.2	91.5	91.5	6.4	6.4	11.5		7		-				-		-	
						16.6	0.3	96	24.8		7.7		31.2		91.5		6.4		11.8		7		-				-		-	
SR8	Cloudy	Moderate	15:32	5.2	Surface	1.0	0.3	183	24.9	24.9	7.8	7.8	30.7	30.7	97.9	97.9	6.8	6.8	3.0	3.2	7	8	-	-	820433	811601	-	-	-	-
						1.0	0.3	195	24.9		7.8		30.7		97.9		6.8		3.0		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	197	24.7	24.7	7.8	7.8	31.5	31.6	99.1	99.2	6.9	6.9	3.4		9		-				-		-	
						4.2	0.3	210	24.7		7.8		31.6		99.2		6.9		3.4		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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 October 16 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen (mg/L) Value	Dissolved Oxygen (mg/L) DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Calm	12:08	8.1	Surface	1.0	0.5	89	27.6	27.4	7.8	7.8	24.3	24.6	97.5	97.9	6.7	6.6	9.3	11.3	12	18	83	88	815608	804265	<0.2	<0.2	1.8	1.5
						1.0	0.5	93	27.2		7.8		24.8		98.2		6.8		9.3		11		83				<0.2		1.9	
					Middle	4.1	0.6	59	27.3	27.3	7.8	7.8	27.4	27.5	96.2	96.3	6.5		11.0		19		88				<0.2		1.2	
						4.1	0.7	60	27.3		7.8		27.5		96.3		6.5		11.2		21		89				<0.2		1.2	
					Bottom	7.1	0.6	55	26.8	27.1	7.8	7.8	28.9	28.7	97.8	97.5	6.6	6.6	13.7		22		91				<0.2		1.3	
						7.1	0.6	57	27.3		7.8		28.5		97.1		6.6		13.5		20		92				<0.2		1.6	
C2	Fine	Moderate	13:41	12.0	Surface	1.0	0.3	270	24.9	24.9	7.7	7.7	21.2	21.2	97.7	97.7	7.2	7.0	5.4	10.7	11	14	82	88	825666	806950	<0.2	<0.2	3.5	3.5
						1.0	0.3	278	24.9		7.7		21.2		97.6		7.2		5.5		12		81				<0.2		3.5	
					Middle	6.0	0.4	285	24.3	24.3	7.7	7.7	24.7	24.7	93.1	93.1	6.8		10.3		12		89				<0.2		3.6	
						6.0	0.5	306	24.3		7.7		24.7		93.1		6.8		10.6		12		90				<0.2		3.5	
					Bottom	11.0	0.5	274	24.4	24.4	7.7	7.7	25.8	25.8	93.1	93.1	6.7	6.7	16.3		18		92				<0.2		3.6	
						11.0	0.5	300	24.4		7.7		25.8		93.1		6.7		16.3		19		93				<0.2		3.5	
C3	Cloudy	Calm	11:41	11.2	Surface	1.0	0.6	270	24.4	24.4	7.7	7.7	28.1	28.1	96.2	96.2	6.9	6.9	7.9	12.7	8	10	87	90	822120	817802	<0.2	<0.2	2.1	2.1
						1.0	0.6	288	24.4		7.7		28.1		96.2		6.9		8.0		9		86				<0.2		2.2	
					Middle	5.6	0.4	270	24.3	24.3	7.7	7.7	28.4	28.4	95.4	95.4	6.8		10.9		10		91				<0.2		2.2	
						5.6	0.5	285	24.3		7.7		28.4		95.4		6.8		11.0		10		91				<0.2		2.0	
					Bottom	10.2	0.5	263	24.4	24.4	7.7	7.7	29.1	29.1	95.5	95.5	6.8	6.8	19.1		12		93				<0.2		2.2	
						10.2	0.6	275	24.4		7.7		29.1		95.5		6.8		19.1		12		93				<0.2		2.1	
IM1	Fine	Calm	12:29	7.3	Surface	1.0	0.6	291	27.5	27.3	7.8	7.8	26.3	26.4	96.0	96.3	6.5	6.5	8.2	15.0	71	35	83	88	818336	806457	<0.2	<0.2	2.1	1.7
						1.0	0.6	295	27.1		7.8		26.5		96.6		6.6		8.3		77		84				<0.2		2.1	
					Middle	3.7	0.6	277	27.4	27.4	7.8	7.8	27.1	27.2	94.6	94.6	6.4		12.0		18		87				<0.2		1.7	
						3.7	0.7	296	27.4		7.8		27.2		94.6		6.4		12.0		20		89				<0.2		1.7	
					Bottom	6.3	0.5	271	27.3	27.3	7.8	7.8	28.8	28.8	94.4	94.4	6.4	6.4	24.6		12		91				<0.2		1.3	
						6.3	0.5	293	27.3		7.8		28.8		94.4		6.4		24.7		12		92				<0.2		1.3	
IM2	Fine	Calm	12:35	8.4	Surface	1.0	0.5	216	26.9	27.1	7.8	7.8	27.1	27.0	95.4	95.1	6.5	6.5	9.7	17.0	50	27	85	89	818863	806206	<0.2	<0.2	2.3	1.9
						1.0	0.5	221	27.3		7.8		26.9		94.8		6.5		9.6		48		85				<0.2		2.2	
					Middle	4.2	0.6	209	27.2	27.0	7.8	7.8	27.6	27.7	93.8	94.1	6.4		15.7		18		88				<0.2		1.6	
						4.2	0.6	218	26.8		7.8		27.8		94.3		6.4		16.0		18		91				<0.2		1.9	
					Bottom	7.4	0.4	208	26.8	27.1	7.8	7.8	28.4	28.3	94.0	93.7	6.4	6.4	25.6		16		92				<0.2		1.5	
						7.4	0.5	225	27.3		7.8		28.1		93.4		6.3		25.5		14		92				<0.2		1.6	
IM3	Fine	Calm	12:42	8.3	Surface	1.0	0.6	231	27.3	27.2	7.8	7.8	26.2	26.3	95.1	95.4	6.5	6.5	10.7	17.5	34	20	85	88	819402	806001	<0.2	<0.2	1.4	1.5
						1.0	0.6	232	27.0		7.8		26.4		95.7		6.6		10.9		33		86				<0.2		1.3	
					Middle	4.2	0.7	270	27.3	27.1	7.8	7.8	27.1	27.2	94.6	94.9	6.4		19.0		17		87				<0.2		1.5	
						4.2	0.8	288	26.9		7.8		27.3		95.2		6.5		19.1		18		88				<0.2		1.6	
					Bottom	7.3	0.4	248	26.8	27.0	7.8	7.8	28.6	28.5	97.2	97.0	6.6	6.6	23.1		8		90				<0.2		1.3	
						7.3	0.5	256	27.2		7.8		28.3		96.7		6.5		22.2		9		91				<0.2		1.8	
IM4	Fine	Calm	12:53	7.7	Surface	1.0	0.6	251	28.0	28.1	7.8	7.8	24.4	24.4	97.5	97.4	6.7	6.6	9.3	16.7	18	13	83	88	819570	805044	<0.2	<0.2	1.7	1.8
						1.0	0.6	257	28.1		7.8		24.3		97.2		6.6		9.5		17		85				<0.2		2.0	
					Middle	3.9	0.7	287	27.4	27.5	7.8	7.8	26.2	26.2	96.1	96.0	6.6		15.9		14		87				<0.2		1.6	
						3.9	0.7	312	27.5		7.8		26.1		95.9		6.5		16.1		12		88				<0.2		1.5	
					Bottom	6.7	0.6	267	27.3	27.3	7.8	7.8	27.5	27.6	98.6	98.7	6.7	6.7	25.4		8		90				<0.2		2.1	
						6.7	0.6	274	27.3		7.8		27.6		98.8		6.7		24.1		8		92				<0.2		1.8	
IM5	Fine	Calm	13:01	6.5	Surface	1.0	0.7	271	28.2	28.2	7.8	7.8	22.4	22.4	97.6	97.7	6.7	6.6	6.6	13.5	10	15	83	87	820563	804926	<0.2	<0.2	2.0	2.0
						1.0	0.8	292	28.1		7.8		22.4		97.7		6.7		6.8		8		83				<0.2		2.2	
					Middle	3.3	0.8	250	27.4	27.4	7.8	7.8	26.3	26.4	94.6	94.8	6.5		11.9		15		87				<0.2		1.8	
						3.3	0.8	263	27.3		7.8		26.4		94.9		6.5		12.1		13		87				<0.2		2.1	
					Bottom	5.5	0.6	265	26.9	27.1	7.8	7.8	27.7	27.6	96.4	96.2	6.6	6.6	22.2		21		89				<0.2		1.8	
						5.5	0.6	289	27.3		7.8		27.4		95.9		6.5		21.1		22		90				<0.2		2.0	
IM6	Fine	Calm	13:09	6.7	Surface	1.0	0.7	233	27.7	27.7	7.8	7.8	23.1	23.1	95.3	95.3	6.6	6.6	7.7	11.8	8	16	83	87	821060	805820	<0.2	<0.2	3.5	2.4
						1.0	0.7	238	27.7		7.8		23.0		95.3		6.6		7.9		8		84				<0.2		3.4	
					Middle	3.4	0.8	274	27.3	27.1	7.8	7.8	25.5	25.6	95.0	95.3	6.5		11.2		14		86				<0.2		2.1	
						3.4	0.8	298	26.9		7.8		25.7		95.6		6.6		11.3		16		88				<0.2		2.3	
					Bottom	5.7	0.6	246	26.9	27.1	7.8	7.8	28.3	28.1	97.1	97.2	6.6	6.6	17.2		23		89				<0.2		1.6	
						5.7	0.6	246	27.3		7.8		27.9		97.3		6.6		15.7		25		91				<0.2		1.6	
IM7	Fine	Calm	13:17	8.0	Surface	1.0	0.5	287	27.4	27.4	7.8	7.8	23.1	23.1	95.3	95.3	6.6	6.6	8.8	16.2	9	15	85	89	821349	806828	<0.2	<0.2	3.1	2.5
						1.0	0.5	302	27.4		7.8		23.1		95.3		6.6		8.9		10		86				<0.2		3.0	
					Middle	4.0	0.7	263	27.4	27.3	7.8	7.8	25.2	25.3	94.9	95.0	6.5		16.1		13		89				<0.2		2.9	
						4.0	0.7	283	27.2		7.8		25.3		95.1		6.5		16.5		13		90				<0.2		2.6	
					Bottom	7.0	0.6	269	26.9	27.1	7.8	7.8	28.9	28.8	96.8	96.6	6.6	6.6	23.6		22		92				<0.2		1.9	
						7.0	0.7	272	27.3		7.8		28.6		96.4		6.5		23.2		23		92				<0.2		1.7	
IM8	Fine	Moderate	13:02	7.9	Surface	1.0	0.4	278	24.3	24.3	7.7	7.7	23.1	23.1	97.7	97.7	7.2	7.2	6.3	7.1	12	16	85	89	821681	807843	<0.2	<0.2	2.1	2.9
						1.0	0.4	294	24.3		7.7		23.1		97.7		7.2		6.3		12		84				<0.2		2.2	
					Middle	4.0	0.4	295	24.3	24.3	7.7	7.7	24.2	24.2	97.4	97.4	7.1		7.3		17		89				<0.2		3.3	
						4.0	0.4	321	24.3		7.7		24.1		97.4		7.1		7.2		16		90				<0.2		3.2	
					Bottom	6.9	0.6	234	24.3	24.3	7.7	7.7	24.8	24.8	98.6	98.6	7.2	7.2	7.6		19		92				<0.2		3.3	
						6.9	0.6	239	24.3		7.7		24.8		98.6		7.2		7.6		19		92				<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

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

Water Quality Monitoring Results on 22 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Fine	Moderate	12:02	7.4	Surface	1.0	0.4	266	24.8	24.8	7.7	7.7	21.5	21.5	99.1	99.1	7.3	7.2	5.2	14.6	16	15	84	88	822099	808801	<0.2	<0.2	2.6	2.6
						1.0	0.5	291	24.8		7.7		21.4		99.1		7.3		5.2		14		83				<0.2		2.4	
					Middle	3.7	0.6	252	24.4	24.4	7.7	7.7	23.8	23.8	97.7	97.7	7.1		20.0		14		90				<0.2		2.9	
						3.7	0.6	252	24.4		7.7		23.8		97.7		7.1		20.0		14		90				<0.2		2.7	
					Bottom	6.4	0.7	268	24.3	24.3	7.7	7.7	26.2	26.2	98.4	98.4	7.1	7.1	18.6		16		91				<0.2		2.5	
						6.4	0.7	276	24.3		7.7		26.2		98.4		7.1		18.6		16		92				<0.2		2.5	
IM10	Fine	Moderate	12:42	7.3	Surface	1.0	0.6	290	24.5	24.5	7.8	7.8	23.8	23.8	98.6	98.6	7.2	7.1	13.1	21.3	8	11	83	88	822250	809820	<0.2	<0.2	2.3	1.8
						1.0	0.7	294	24.5		7.8		23.8		98.6		7.2		13.1		7		83				<0.2		2.3	
					Middle	3.7	0.6	290	24.3	24.3	7.8	7.8	27.0	27.0	97.1	97.1	7.0		23.7		7		89				<0.2		1.7	
						3.7	0.7	295	24.3		7.8		26.9		97.1		7.0		23.0		9		90				<0.2		1.7	
					Bottom	6.3	0.6	289	24.3	24.3	7.8	7.8	27.4	27.4	98.2	98.2	7.0	7.0	27.3		18		92				<0.2		1.4	
						6.3	0.6	313	24.3		7.8		27.4		98.2		7.0		27.3		18		92				<0.2		1.3	
IM11	Fine	Moderate	12:35	8.2	Surface	1.0	0.6	281	24.5	24.5	7.8	7.8	23.4	23.5	98.6	98.6	7.2	7.2	6.0	16.9	6	8	84	89	821507	810542	<0.2	<0.2	2.1	1.9
						1.0	0.6	307	24.5		7.8		23.5		98.6		7.2		6.0		6		84				<0.2		2.1	
					Middle	4.1	0.7	274	24.4	24.4	7.8	7.8	25.6	25.6	98.1	98.1	7.1		18.2		6		90				<0.2		2.8	
						4.1	0.8	280	24.4		7.8		25.6		98.1		7.1		18.7		7		91				<0.2		2.9	
					Bottom	7.2	0.6	280	24.3	24.3	7.8	7.8	28.5	28.5	98.7	98.7	7.0	7.0	26.3		10		91				<0.2		0.9	
						7.2	0.6	302	24.3		7.8		28.5		98.7		7.0		26.3		11		93				<0.2		0.8	
IM12	Fine	Moderate	12:26	8.8	Surface	1.0	0.8	272	24.6	24.6	7.8	7.8	25.4	25.4	97.0	97.0	7.0	7.0	7.2	19.0	8	11	83	89	821164	811524	<0.2	<0.2	2.6	2.0
						1.0	0.8	273	24.6		7.8		25.4		97.0		7.0		7.1		7		83				<0.2		2.5	
					Middle	4.4	0.7	279	24.3	24.3	7.8	7.8	28.6	28.6	96.4	96.4	6.9		21.8		6		90				<0.2		1.7	
						4.4	0.8	290	24.3		7.8		28.6		96.4		6.9		22.0		7		91				<0.2		1.8	
					Bottom	7.8	0.5	270	24.3	24.3	7.8	7.8	29.1	29.1	97.2	97.2	6.9	6.9	27.8		18		92				<0.2		1.7	
						7.8	0.5	279	24.3		7.8		29.1		97.2		6.9		27.8		18		92				<0.2		1.6	
SR2	Fine	Moderate	12:05	4.9	Surface	1.0	0.2	278	24.9	24.9	7.7	7.7	21.9	21.9	100.2	100.3	7.3	7.3	8.9	15.0	7	6	86	89	821479	814146	<0.2	<0.2	1.2	1.5
						1.0	0.2	281	24.9		7.7		21.9		100.3		7.3		9.0		5		85				<0.2		1.0	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	235	24.3	24.3	7.6	7.6	25.1	25.1	99.4	99.4	7.2	7.2	21.0		6		92				<0.2		1.9	
						3.9	0.2	247	24.3		7.6		25.1		99.4		7.2		21.0		7		91				<0.2		1.8	
SR3	Fine	Moderate	13:10	8.6	Surface	1.0	0.4	247	24.9	24.9	7.7	7.7	21.1	21.1	97.6	97.6	7.2	7.1	6.7	12.5	10	11	-	-	822134	807565	-	-	-	-
						1.0	0.4	256	24.8		7.7		21.1		97.5		7.2		6.8		8		-				-		-	
					Middle	4.3	0.8	236	24.3	24.3	7.7	7.7	25.3	25.3	95.5	95.5	6.9		12.9		14		-				-		-	
						4.3	0.8	258	24.3		7.7		25.3		95.5		6.9		12.9		12		-				-		-	
					Bottom	7.6	0.7	231	24.3	24.3	7.7	7.7	25.6	25.6	96.4	96.5	7.0	7.0	18.0		12		-				-		-	
						7.6	0.7	245	24.3		7.7		25.6		96.5		7.0		17.8		12		-				-		-	
SR4A	Fine	Calm	11:46	8.6	Surface	1.0	0.3	240	27.3	27.3	7.8	7.8	29.8	29.8	93.5	93.5	6.3	6.3	16.9	19.5	24	25	-	-	817191	807808	-	-	-	-
						1.0	0.4	252	27.3		7.8		29.8		93.5		6.3		17.0		24		-				-		-	
					Middle	4.3	0.3	239	27.2	27.2	7.8	7.8	29.8	29.8	93.1	93.1	6.3		19.7		23		-				-		-	
						4.3	0.3	252	27.2		7.8		29.8		93.1		6.3		19.7		24		-				-		-	
					Bottom	7.6	0.2	227	27.0	27.0	7.8	7.8	29.9	29.9	93.5	93.6	6.3	6.3	21.9		28		-				-		-	
						7.6	0.3	240	27.0		7.8		29.9		93.6		6.3		21.7		28		-				-		-	
SR5A	Fine	Calm	11:30	3.8	Surface	1.0	0.3	298	27.1	27.1	7.8	7.8	29.8	29.8	94.0	94.0	6.3	6.3	13.4	14.0	21	22	-	-	816610	810684	-	-	-	-
						1.0	0.3	314	27.1		7.8		29.8		93.9		6.3		13.2		22		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.3	291	27.0	27.0	7.8	7.8	29.9	29.9	94.9	95.1	6.4	6.4	14.7		22		-				-		-	
						2.8	0.3	307	27.0		7.8		29.9		95.3		6.4		14.7		21		-				-		-	
SR6	Fine	Calm	11:06	3.7	Surface	1.0	0.2	275	27.2	27.2	7.7	7.7	27.8	27.8	96.4	96.4	6.5	6.5	15.0	17.3	28	30	-	-	817893	814679	-	-	-	-
						1.0	0.2	300	27.2		7.7		27.8		96.4		6.5		15.6		27		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	262	27.1	27.1	7.7	7.7	28.1	28.2	96.9	97.3	6.6	6.6	19.1		33		-				-		-	
						2.7	0.2	287	27.1		7.6		28.2		97.7		6.6		19.6		33		-				-		-	
SR7	Cloudy	Calm	11:10	16.8	Surface	1.0	0.3	202	24.5	24.5	7.7	7.7	28.5	28.5	95.9	95.9	6.8	6.8	9.5	12.9	12	15	-	-	823648	823736	-	-	-	-
						1.0	0.3	209	24.5		7.7		28.5		95.9		6.8		9.5		14		-				-		-	
					Middle	8.4	0.6	194	24.4	24.4	7.7	7.7	29.0	29.0	94.8	94.8	6.7		13.7		14		-				-		-	
						8.4	0.7	207	24.4		7.7		29.0		94.8		6.7		13.8		15		-				-		-	
					Bottom	15.8	0.9	239	24.4	24.4	7.7	7.7	29.1	29.1	95.2	95.2	6.7	6.7	15.4		19		-				-		-	
						15.8	0.9	250	24.4		7.7		29.1		95.2		6.7		15.4		18		-				-		-	
SR8	Fine	Moderate	12:17	5.2	Surface	1.0	0.1	235	24.4	24.4	7.7	7.7	27.1	27.1	99.5	99.6	7.1	7.1	20.4	13.9	12	12	-	-	820407	811578	-	-	-	-
						1.0	0.1	257	24.4		7.7		27.0		99.6		7.1		20.0		10		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	241	24.7	24.7	7.7	7.7	22.2	22.2	100.4	100.4	7.4	7.4	7.6		13		-				-		-	
						4.2	0.1	254	24.7		7.7		22.2		100.4		7.4		7.6		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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 October 16 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	Calm	17:47	8.6	Surface	1.0	0.3	214	27.4	27.5	7.9	7.9	25.9	25.8	96.4	96.3	6.6	6.6	8.1	11.4	9	16	85	89	815636	804251	<0.2	<0.2	1.7	1.3
						1.0	0.3	218	27.5		7.9		25.7		96.1		6.6		8.2		11		86				<0.2		1.6	
					Middle	4.3	0.4	200	26.8	27.0	7.9	7.9	28.8	28.5	96.3	96.0	6.6		12.7		11		90				<0.2		1.0	
						4.3	0.4	214	27.2		7.9		28.2		95.7		6.5		12.8		13		91				<0.2		1.3	
					Bottom	7.6	0.4	198	27.3	27.3	7.9	7.9	29.1	29.1	96.6	96.7	6.5	6.5	13.3		24		92				<0.2		1.1	
						7.6	0.4	206	27.3		7.9		29.1		96.8		6.5		13.3		26		92				<0.2		1.2	
C2	Fine	Moderate	16:28	12.8	Surface	1.0	0.3	162	24.8	24.8	7.7	7.7	23.1	23.1	96.3	96.3	7.0	6.9	10.1	17.2	8	9	81	88	825667	806931	<0.2	<0.2	4.2	3.7
						1.0	0.4	163	24.8		7.7		23.1		96.2		7.0		10.3		8		82				<0.2		4.1	
					Middle	6.4	0.3	120	24.4	24.4	7.6	7.6	24.8	24.8	93.3	93.3	6.8		18.1		8		89				<0.2		3.3	
						6.4	0.3	120	24.4		7.6		24.8		93.3		6.8		18.1		8		90				<0.2		3.6	
					Bottom	11.8	0.4	188	24.5	24.5	7.6	7.6	26.1	26.1	96.9	96.9	7.0	7.0	23.4		12		91				<0.2		3.2	
						11.8	0.4	191	24.5		7.6		26.1		96.9		7.0		23.4		12		92				<0.2		3.8	
C3	Cloudy	Moderate	18:21	11.9	Surface	1.0	0.4	130	24.8	24.8	7.8	7.8	28.7	28.7	95.2	95.2	6.7	6.7	4.4	5.6	8	10	87	90	822108	817787	<0.2	<0.2	1.6	1.3
						1.0	0.4	140	24.8		7.8		28.7		95.1		6.7		4.4		9		87				<0.2		1.2	
					Middle	6.0	0.3	135	24.5	24.5	7.8	7.8	29.1	29.1	93.5	93.5	6.6		5.9		10		91				<0.2		1.2	
						6.0	0.3	144	24.5		7.8		29.1		93.5		6.6		5.9		9		91				<0.2		1.3	
					Bottom	10.9	0.3	123	24.5	24.5	7.7	7.7	29.1	29.1	94.7	94.7	6.7	6.7	6.5		11		92				<0.2		1.1	
						10.9	0.3	132	24.5		7.7		29.1		94.7		6.7		6.5		12		93				<0.2		1.1	
IM1	Fine	Calm	17:24	7.6	Surface	1.0	0.3	149	27.5	27.8	7.9	7.9	25.5	25.3	100.8	100.5	6.9	6.8	6.5	7.2	8	10	83	87	818363	806457	<0.2	<0.2	1.9	1.8
						1.0	0.3	160	28.0		7.9		25.0		100.1		6.8		6.3		10		84				<0.2		1.9	
					Middle	3.8	0.4	145	27.8	27.6	7.9	7.9	26.8	27.0	98.5	98.8	6.7		8.4		9		87				<0.2		1.7	
						3.8	0.4	158	27.4		7.9		27.2		99.0		6.7		8.6		10		89				<0.2		1.8	
					Bottom	6.6	0.3	173	27.5	27.7	7.9	7.9	28.1	27.9	100.4	100.2	6.8	6.8	7.0		11		90				<0.2		1.8	
						6.6	0.3	174	27.9		7.9		27.7		99.9		6.7		6.5		11		91				<0.2		1.7	
IM2	Fine	Calm	17:16	8.4	Surface	1.0	0.3	158	28.0	28.1	7.9	7.9	24.9	24.9	98.5	98.4	6.7	6.6	6.4	7.0	7	10	84	87	818836	806174	<0.2	<0.2	1.9	1.6
						1.0	0.3	172	28.1		7.9		24.8		98.2		6.7		6.3		8		84				<0.2		1.9	
					Middle	4.2	0.4	146	26.9	27.2	7.9	7.9	28.4	28.3	97.2	96.9	6.6		7.2		9		87				<0.2		1.7	
						4.2	0.4	151	27.4		7.9		28.1		96.6		6.5		7.0		9		88				<0.2		1.6	
					Bottom	7.4	0.3	142	27.4	27.4	7.9	7.9	28.4	28.4	97.6	97.9	6.6	6.6	7.3		13		90				<0.2		1.2	
						7.4	0.3	148	27.4		7.9		28.4		98.2		6.6		7.5		14		91				<0.2		1.3	
IM3	Fine	Calm	17:09	8.8	Surface	1.0	0.3	135	28.2	28.0	7.9	7.9	25.5	25.6	98.6	98.8	6.7	6.6	7.0	9.0	10	10	85	89	819398	806012	<0.2	<0.2	1.8	1.7
						1.0	0.3	140	27.8		7.9		25.7		99.0		6.7		7.1		9		86				<0.2		1.6	
					Middle	4.4	0.3	134	27.4	27.6	7.9	7.9	26.3	26.2	97.1	96.8	6.6		8.5		11		89				<0.2		1.4	
						4.4	0.3	138	27.8		7.9		26.1		96.4		6.5		8.4		11		89				<0.2		1.5	
					Bottom	7.8	0.3	124	27.2	27.1	7.9	7.9	28.5	28.6	96.3	96.7	6.5	6.6	11.6		10		92				<0.2		2.0	
						7.8	0.3	127	26.9		7.9		28.7		97.0		6.6		11.5		11		92				<0.2		1.9	
IM4	Fine	Calm	17:02	7.9	Surface	1.0	0.3	154	28.1	28.1	7.9	7.9	25.4	25.4	98.5	98.5	6.7	6.6	7.9	14.8	7	15	84	88	819585	805051	<0.2	<0.2	1.5	1.5
						1.0	0.3	166	28.1		7.9		25.4		98.4		6.7		8.1		6		85				<0.2		1.5	
					Middle	4.0	0.4	155	26.9	27.1	7.9	7.9	28.1	28.0	95.0	94.7	6.5		16.3		9		87				<0.2		1.6	
						4.0	0.4	155	27.3		7.9		27.9		94.4		6.4		16.4		9		89				<0.2		1.4	
					Bottom	6.9	0.3	154	27.3	27.1	7.9	7.9	28.0	28.2	95.6	96.2	6.5	6.6	20.1		30		91				<0.2		1.3	
						6.9	0.3	165	26.9		7.9		28.3		96.7		6.6		20.1		31		92				<0.2		1.4	
IM5	Fine	Calm	16:46	7.1	Surface	1.0	0.3	151	27.7	27.9	7.8	7.8	25.5	25.4	96.7	96.4	6.6	6.5	7.9	13.9	8	18	83	87	820552	804928	<0.2	<0.2	2.5	1.8
						1.0	0.3	163	28.0		7.8		25.3		96.0		6.5		8.4		8		84				<0.2		2.0	
					Middle	3.6	0.3	151	27.5	27.5	7.8	7.8	26.8	26.8	95.5	95.5	6.5		13.1		12		87				<0.2		1.7	
						3.6	0.4	151	27.5		7.8		26.8		95.5		6.5		13.4		14		87				<0.2		1.7	
					Bottom	6.1	0.3	167	26.9	27.1	7.9	7.9	27.9	27.8	98.0	97.8	6.7	6.7	20.7		33		89				<0.2		1.5	
						6.1	0.3	182	27.3		7.9		27.7		97.6		6.6		20.0		31		91				<0.2		1.6	
IM6	Fine	Calm	16:37	6.4	Surface	1.0	0.3	156	27.4	27.4	7.8	7.8	25.1	25.1	94.6	94.6	6.5	6.5	13.1	16.4	15	20	85	89	821066	805831	<0.2	<0.2	2.1	1.8
						1.0	0.3	163	27.4		7.8		25.1		94.6		6.5		13.4		13		85				<0.2		2.1	
					Middle	3.2	0.4	155	27.3	27.1	7.8	7.9	26.9	27.0	94.4	94.7	6.4		17.7		15		89				<0.2		1.8	
						3.2	0.4	167	26.9		7.9		27.1		94.9		6.5		17.9		16		91				<0.2		1.9	
					Bottom	5.4	0.3	117	27.2	27.0	7.8	7.8	28.0	28.2	96.3	96.7	6.5	6.6	18.1		30		92				<0.2		1.3	
						5.4	0.4	119	26.8		7.8		28.3		97.0		6.6		18.0		32		92				<0.2		1.5	
IM7	Fine	Calm	16:27	8.1	Surface	1.0	0.3	142	27.2	27.3	7.8	7.8	24.3	24.3	95.4	95.4	6.6	6.6	9.1	13.1	9	15	85	89	821341	806843	<0.2	<0.2	2.6	2.0
						1.0	0.3	155	27.3		7.8		24.2		95.4		6.6		9.0		7		87				<0.2		2.5	
					Middle	4.1	0.4	149	27.3	27.3	7.8	7.8	24.9	24.9	95.0	95.0	6.5		14.8		12		88				<0.2		2.5	
						4.1	0.4	160	27.3		7.8		24.9		95.0		6.5		14.8		14		91				<0.2		2.4	
					Bottom	7.1	0.4	141	26.9	27.1	7.8	7.8	28.6	28.5	97.1	96.9	6.6	6.6	15.9		23		92				<0.2		1.2	
						7.1	0.4	142	27.3		7.8		28.4		96.7		6.5		15.2		25		93				<0.2		1.0	
IM8	Fine	Moderate	17:08	8.7	Surface	1.0	0.4	145	24.3	24.3	7.7	7.7	25.0	25.0	95.6	95.6	6.9	6.9	13.2	15.5	9	9	83	89	821680	807825	<0.2	<0.2	3.3	3.4
						1.0	0.4	150	24.3		7.7		25.0		95.6		6.9		13.3		8		83				<0.2		3.3	
					Middle	4.4	0.4	139	24.4	24.4	7.7	7.7	25.4	25.4	95.4	95.4	6.9		15.0		8		91				<0.2		3.6	
						4.4	0.4	140	24.4		7.7		25.4		95.4		6.9		15.0		10		90				<0.2		3.6	
					Bottom	7.7	0.3	138	24.4	24.4	7.7	7.7	27.8	27.8	95.3	95.3	6.8	6.8	18.3		10		92				<0.2		3.4	
						7.7	0.4	139	24.4		7.7		27.8		95.3		6.8		18.3		11		93				<0.2		3.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 October 16 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	17:16	7.6	Surface	1.0	0.5	145	24.4	24.4	7.8	7.8	24.7	24.7	97.2	97.3	7.1	7.1	12.2	13.4	8	14	84	88	822109	808793	<0.2	<0.2	4.3	3.5
						1.0	0.6	151	24.4		7.8		24.7		97.3		7.1		12.2		8		83				<0.2		4.3	
					Middle	3.8	0.5	132	24.4	24.4	7.8	7.8	25.8	25.8	97.2	97.2	7.0		12.8		9		89				<0.2		2.7	
						3.8	0.5	138	24.4		7.8		25.8		97.1		7.0		12.9		9		89				<0.2		2.7	
					Bottom	6.6	0.4	146	24.4	24.4	7.7	7.7	28.2	28.2	98.4	98.4	7.0	7.0	15.0		24		91				<0.2		3.4	
						6.6	0.4	157	24.4		7.7		28.2		98.4		7.0		15.0		26		93				<0.2		3.4	
IM10	Cloudy	Moderate	17:25	7.4	Surface	1.0	0.5	122	24.8	24.8	7.8	7.8	22.6	22.6	98.9	98.9	7.2	7.1	5.5	8.5	8	11	83	89	822247	809838	<0.2	<0.2	3.3	3.2
						1.0	0.5	129	24.8		7.8		22.6		98.9		7.2		5.5		9		84				<0.2		3.4	
					Middle	3.7	0.6	121	24.7	24.7	7.8	7.8	26.8	26.8	96.6	96.6	6.9		8.7		8		90				<0.2		2.8	
						3.7	0.6	124	24.7		7.8		26.8		96.6		6.9		8.8		9		90				<0.2		2.9	
					Bottom	6.4	0.4	119	24.5	24.5	7.8	7.8	28.2	28.2	96.4	96.4	6.9	6.9	11.1		16		93				<0.2		3.3	
						6.4	0.4	123	24.5		7.8		28.2		96.4		6.9		11.1		16		92				<0.2		3.4	
IM11	Cloudy	Moderate	17:31	7.1	Surface	1.0	0.6	123	24.8	24.8	7.8	7.8	22.5	22.5	99.7	99.7	7.3	7.2	4.9	8.0	10	23	84	89	821507	810548	<0.2	<0.2	3.2	2.9
						1.0	0.6	123	24.8		7.8		22.4		99.6		7.3		5.0		10		85				<0.2		3.1	
					Middle	3.6	0.5	127	24.8	24.8	7.8	7.8	26.9	26.9	98.9	98.9	7.0		7.3		11		90				<0.2		2.6	
						3.6	0.5	136	24.8		7.8		26.9		98.9		7.0		7.3		10		90				<0.2		2.8	
					Bottom	6.1	0.4	116	24.5	24.5	7.7	7.7	28.4	28.4	99.7	99.7	7.1	7.1	11.8		48		92				<0.2		2.8	
						6.1	0.4	120	24.5		7.7		28.4		99.7		7.1		11.8		46		92				<0.2		2.9	
IM12	Cloudy	Moderate	17:39	8.4	Surface	1.0	0.5	110	25.0	25.0	7.8	7.8	24.1	24.1	99.2	99.2	7.2	7.1	6.2	13.6	8	19	84	89	821163	811506	<0.2	<0.2	2.6	2.5
						1.0	0.6	119	25.0		7.8		24.1		99.2		7.2		6.2		9		84				<0.2		2.6	
					Middle	4.2	0.7	118	24.5	24.5	7.8	7.8	28.0	28.0	96.9	96.9	6.9		12.7		9		90				<0.2		2.7	
						4.2	0.7	120	24.5		7.8		28.0		96.9		6.9		12.8		8		90				<0.2		2.6	
					Bottom	7.4	0.6	125	24.4	24.4	7.7	7.7	28.1	28.1	97.7	97.7	7.0	7.0	21.8		37		92				<0.2		2.3	
						7.4	0.6	131	24.4		7.7		28.1		97.7		7.0		21.8		40		93				<0.2		2.4	
SR2	Cloudy	Moderate	18:00	4.9	Surface	1.0	0.6	193	25.4	25.4	7.8	7.8	24.9	24.9	101.3	101.3	7.2	7.2	4.5	5.0	10	13	84	88	821469	814174	<0.2	<0.2	2.7	2.2
						1.0	0.6	203	25.4		7.8		24.9		101.3		7.2		4.5		12		84				<0.2		2.8	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.6	195	24.8	24.9	7.8	7.8	27.8	27.8	100.3	100.3	7.1	7.1	5.5		13		92				<0.2		1.6	
						3.9	0.6	195	24.9		7.8		27.8		100.3		7.1		5.5		15		91				<0.2		1.7	
SR3	Fine	Moderate	17:00	9.3	Surface	1.0	0.3	173	24.5	24.5	7.7	7.7	24.0	24.0	96.4	96.4	7.0	7.0	9.8	19.5	8	9	-	-	822135	807564	-	-	-	-
						1.0	0.4	180	24.5		7.7		24.0		96.4		7.0		10.0		8		-				-		-	
					Middle	4.7	0.4	186	24.4	24.4	7.7	7.7	25.2	25.2	95.1	95.1	6.9		19.4		8		-				-		-	
						4.7	0.4	186	24.4		7.7		25.2		95.1		6.9		19.8		8		-				-		-	
					Bottom	8.3	0.3	128	24.3	24.3	7.7	7.7	27.8	27.8	94.8	94.8	6.8	6.8	28.9		10		-				-		-	
						8.3	0.3	135	24.3		7.7		27.8		94.8		6.8		28.9		11		-				-		-	
SR4A	Fine	Calm	18:17	7.0	Surface	1.0	0.3	135	27.6	27.9	7.9	7.9	27.1	27.0	99.3	99.0	6.7	6.6	9.7	10.5	14	17	-	-	817176	807807	-	-	-	-
						1.0	0.3	147	28.1		7.9		26.8		98.6		6.6		9.5		14		-				-		-	
					Middle	3.5	0.4	149	28.1	28.0	7.9	7.9	27.8	27.9	96.4	96.5	6.5		10.8		15		-				-		-	
						3.5	0.4	153	27.9		7.9		27.9		96.6		6.5		10.8		16		-				-		-	
					Bottom	6.0	0.3	123	27.4	27.6	7.9	7.9	29.9	29.8	98.4	98.2	6.6	6.6	11.2		21		-				-		-	
						6.0	0.4	129	27.8		7.9		29.6		97.9		6.5		11.0		22		-				-		-	
SR5A	Fine	Calm	18:34	4.1	Surface	1.0	0.1	148	27.8	27.8	7.9	7.9	29.6	29.6	95.0	95.1	6.3	6.3	10.8	15.8	6	11	-	-	816576	810705	-	-	-	-
						1.0	0.1	159	27.7		7.9		29.6		95.1		6.3		11.1		8		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	154	27.3	27.4	7.9	7.9	29.9	29.9	94.8	94.8	6.4	6.4	20.3		16		-				-		-	
						3.1	0.2	164	27.4		7.9		29.8		94.7		6.3		20.8		15		-				-		-	
SR6	Fine	Calm	18:56	3.9	Surface	1.0	0.2	136	27.0	27.2	7.9	7.9	28.3	28.2	95.4	95.1	6.5	6.5	12.4	12.2	14	14	-	-	817918	814647	-	-	-	-
						1.0	0.2	145	27.4		7.9		28.0		94.8		6.4		12.2		15		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	133	26.9	27.1	7.9	7.9	28.7	28.6	95.9	95.7	6.5	6.5	12.1		15		-				-		-	
						2.9	0.3	135	27.3		7.9		28.4		95.4		6.4		11.9		13		-				-		-	
SR7	Cloudy	Calm	18:52	17.6	Surface	1.0	0.8	128	24.6	24.6	7.8	7.8	29.7	29.7	90.7	90.7	6.4	6.4	5.3	6.7	9	10	-	-	823636	823755	-	-	-	-
						1.0	0.8	133	24.6		7.8		29.6		90.7		6.4		5.3		7		-				-		-	
					Middle	8.8	0.6	85	24.6	24.6	7.8	7.8	30.0	30.0	90.1	90.1	6.3		7.8		10		-				-		-	
						8.8	0.6	89	24.6		7.8		30.0		90.1		6.3		7.8		11		-				-		-	
					Bottom	16.6	0.6	127	24.6	24.6	7.7	7.7	30.1	30.1	91.1	91.2	6.4	6.4	7.0		11		-				-		-	
						16.6	0.7	127	24.6		7.7		30.1		91.2		6.4		6.9		11		-				-		-	
SR8	Cloudy	Moderate	17:46	5.0	Surface	1.0	0.3	153	24.9	24.9	7.8	7.8	25.7	25.7	99.6	99.6	7.1	7.1	6.4	7.4	11	13	-	-	820430	811608	-	-	-	-
						1.0	0.4	153	24.9		7.8		25.7		99.5		7.1		6.5		11		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	160	24.3	24.3	7.8	7.8	28.3	28.3	99.1	99.1	7.1	7.1	8.3		15		-				-		-	
						4.0	0.3	166	24.3		7.8		28.3		99.1		7.1		8.3		13		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	15:47	7.8	Surface	1.0	0.4	103	29.4	29.4	7.8	7.8	17.9	17.9	98.3	98.4	6.8	6.8	2.3	2.3	5	5	84	87	815603	804242	<0.2	<0.2	5.3	4.5
						1.0	0.4	110	29.4		7.8		17.9		98.4		6.8		2.2		5		85				<0.2		5.4	
					Middle	3.9	0.6	61	28.4	28.4	7.8	7.8	19.4	19.4	97.8	97.8	6.8		2.6		5		88				<0.2		4.8	
						3.9	0.6	64	28.4		7.8		19.4		97.8		6.8		2.4		4		87				<0.2		4.9	
					Bottom	6.8	0.4	79	27.9	27.9	7.8	7.8	23.5	23.5	97.5	97.6	6.7	6.7	2.1		6		89				<0.2		3.4	
						6.8	0.5	85	27.9		7.8		23.5		97.6		6.7		2.2		5		90				<0.2		3.1	
C2	Cloudy	Moderate	14:46	12.0	Surface	1.0	0.4	139	25.3	25.3	7.6	7.6	17.3	17.3	83.5	83.5	6.2	6.1	3.6	7.6	7	14	81	87	825681	806959	<0.2	<0.2	5.3	3.7
						1.0	0.4	144	25.3		7.6		17.3		83.5		6.2		3.7		7		82				<0.2		5.3	
					Middle	6.0	0.4	202	24.9	24.9	7.7	7.7	24.0	24.0	82.6	82.6	6.0		8.1		14		88				<0.2		3.0	
						6.0	0.4	218	24.9		7.7		24.0		82.6		6.0		8.1		14		89				<0.2		3.1	
					Bottom	11.0	0.4	180	24.9	24.9	7.6	7.6	24.5	24.5	85.0	85.1	6.1	6.1	10.9		19		91				<0.2		2.8	
						11.0	0.5	194	24.9		7.6		24.5		85.1		6.1		11.0		21		91				<0.2		2.8	
C3	Cloudy	Moderate	16:37	12.0	Surface	1.0	0.4	271	25.3	25.3	7.8	7.8	24.8	24.8	94.7	94.7	6.8	6.6	2.4	4.7	5	8	87	90	822092	817818	<0.2	<0.2	2.3	2.4
						1.0	0.4	271	25.3		7.8		24.8		94.6		6.8		2.4		6		86				<0.2		2.5	
					Middle	6.0	0.6	262	24.9	24.9	7.7	7.7	25.6	25.6	87.3	87.3	6.3		3.8		8		91				<0.2		2.6	
						6.0	0.6	288	24.9		7.7		25.6		87.3		6.3		3.8		10		91				<0.2		2.7	
					Bottom	11.0	0.4	277	24.7	24.7	7.7	7.7	27.0	27.0	86.6	86.7	6.2	6.2	7.9		9		93				<0.2		2.3	
						11.0	0.5	285	24.7		7.7		27.0		86.7		6.2		7.7		8		92				<0.2		2.2	
IM1	Fine	Calm	15:25	6.9	Surface	1.0	0.6	268	28.1	28.1	7.8	7.8	23.4	22.7	93.0	92.5	6.4	6.3	4.5	6.3	6	10	85	88	818369	806454	<0.2	<0.2	3.6	2.7
						1.0	0.6	271	28.0		7.8		21.9		92.0		6.4		4.8		8		85				<0.2		3.5	
					Middle	3.5	0.5	277	27.5	27.5	7.8	7.8	25.1	25.1	89.6	89.6	6.1		6.3		9		87				<0.2		2.3	
						3.5	0.6	294	27.5		7.8		25.0		89.6		6.2		6.5		10		88				<0.2		2.6	
					Bottom	5.9	0.4	234	27.3	27.3	7.8	7.8	27.9	28.0	92.4	92.6	6.3	6.3	7.8		11		90				<0.2		2.0	
						5.9	0.4	236	27.3		7.8		28.0		92.7		6.3		7.7		13		91				<0.2		2.0	
IM2	Fine	Calm	15:20	7.9	Surface	1.0	0.6	263	28.3	28.3	7.8	7.8	19.4	19.5	92.7	92.6	6.5	6.3	4.7	7.0	5	8	85	88	818859	806181	<0.2	<0.2	4.0	3.2
						1.0	0.7	279	28.2		7.8		19.5		92.5		6.5		4.9		5		85				<0.2		4.1	
					Middle	4.0	0.6	271	27.5	27.5	7.8	7.8	24.8	24.8	89.1	89.1	6.1		9.2		9		88				<0.2		3.0	
						4.0	0.6	295	27.5		7.8		24.8		89.1		6.1		9.4		7		89				<0.2		3.1	
					Bottom	6.9	0.4	226	27.5	27.6	7.8	7.8	28.5	28.4	90.9	90.9	6.1	6.1	7.2		12		90				<0.2		2.4	
						6.9	0.4	249	27.6		7.8		28.2		90.9		6.1		6.8		10		90				<0.2		2.4	
IM3	Fine	Calm	15:11	7.7	Surface	1.0	0.6	221	28.1	28.1	7.8	7.8	19.3	19.4	92.3	92.3	6.5	6.5	4.5	6.4	4	7	85	88	819423	806002	<0.2	<0.2	2.7	2.7
						1.0	0.6	229	28.0		7.8		19.4		92.3		6.5		4.7		3		85				<0.2		2.6	
					Middle	3.9	0.5	218	27.9	27.9	7.8	7.8	21.6	21.5	92.0	92.0	6.4		6.5		3		87				<0.2		2.8	
						3.9	0.6	227	27.9		7.8		21.4		92.0		6.4		6.7		4		89				<0.2		2.7	
					Bottom	6.7	0.4	245	27.6	27.6	7.8	7.8	25.3	25.3	94.3	94.4	6.4	6.5	8.1		13		90				<0.2		2.7	
						6.7	0.4	250	27.6		7.8		25.3		94.4		6.5		7.7		12		90				<0.2		2.6	
IM4	Fine	Calm	15:03	7.3	Surface	1.0	0.5	212	28.6	28.6	7.8	7.8	19.7	19.7	93.9	93.9	6.5	6.4	3.4	5.3	6	8	83	86	819559	805024	<0.2	<0.2	3.9	3.0
						1.0	0.6	213	28.6		7.8		19.7		93.8		6.5		3.5		4		83				<0.2		3.6	
					Middle	3.7	0.5	222	28.1	28.1	7.8	7.8	21.7	21.7	90.8	90.8	6.3		5.3		6		86				<0.2		3.5	
						3.7	0.5	232	28.0		7.8		21.7		90.8		6.3		5.4		6		86				<0.2		3.2	
					Bottom	6.3	0.4	233	27.8	27.8	7.8	7.8	25.6	25.6	92.1	92.2	6.3	6.3	7.0		13		89				<0.2		2.0	
						6.3	0.4	251	27.8		7.8		25.6		92.3		6.3		7.0		13		90				<0.2		2.0	
IM5	Fine	Calm	14:56	6.2	Surface	1.0	0.5	224	28.2	28.3	7.8	7.8	21.5	21.5	89.9	89.8	6.2	6.1	4.6	5.1	9	11	83	87	820582	804931	<0.2	<0.2	3.4	2.8
						1.0	0.5	233	28.3		7.8		21.4		89.7		6.2		4.6		10		84				<0.2		3.1	
					Middle	3.1	0.6	232	28.0	28.1	7.8	7.8	24.3	24.2	87.9	87.8	6.0		5.0		11		87				<0.2		3.2	
						3.1	0.6	249	28.1		7.8		24.0		87.6		6.0		5.1		12		87				<0.2		3.0	
					Bottom	5.2	0.4	217	27.9	27.9	7.8	7.8	26.4	26.4	87.9	88.0	5.9	6.0	5.5		12		89				<0.2		2.1	
						5.2	0.4	217	27.9		7.8		26.4		88.0		6.0		5.6		10		89				<0.2		2.1	
IM6	Fine	Calm	14:49	6.3	Surface	1.0	0.6	233	28.5	28.5	7.8	7.8	21.9	22.0	88.8	88.8	6.1	6.0	5.2	7.6	6	10	84	87	821068	805843	<0.2	<0.2	4.1	2.3
						1.0	0.6	240	28.4		7.8		22.0		88.8		6.1		5.4		6		84				<0.2		4.2	
					Middle	3.2	0.7	240	28.1	28.1	7.8	7.8	25.3	25.3	86.9	86.9	5.9		7.6		8		88				<0.2		1.6	
						3.2	0.7	247	28.1		7.8		25.3		86.9		5.9		7.8		10		88				<0.2		1.7	
					Bottom	5.3	0.5	246	27.8	27.9	7.8	7.8	26.8	26.8	88.8	88.8	6.0	6.0	9.6		15		90				<0.2		1.1	
						5.3	0.5	254	27.9		7.8		26.7		88.7		6.0		9.8		13		90				<0.2		1.2	
IM7	Fine	Calm	14:42	7.4	Surface	1.0	0.3	203	27.7	28.0	7.7	7.7	22.1	22.0	87.4	87.1	6.1	6.0	6.2	7.2	6	11	82	85	821363	806826	<0.2	<0.2	3.9	2.7
						1.0	0.3	206	28.3		7.7		21.9		86.7		6.0		6.1		5		83				<0.2		3.8	
					Middle	3.7	0.6	214	28.2	28.2	7.7	7.7	25.0	25.1	86.9	87.0	5.9		7.9		13		85				<0.2		1.7	
						3.7	0.6	231	28.2		7.7		25.1		87.0		5.9		8.1		14		84				<0.2		1.8	
					Bottom	6.4	0.4	225	28.2	28.0	7.7	7.7	25.6	25.8	87.1	87.5	5.9	6.0	7.4		13		87				<0.2		2.3	
						6.4	0.4	233	27.7		7.7		25.9		87.8		6.0		7.3		15		87				<0.2		2.5	
IM8	Cloudy	Moderate	15:18	8.1	Surface	1.0	0.3	259	26.0	26.0	7.6	7.6	17.5	17.5	93.0	92.9	6.8	6.7	1.0	1.9	4	6	83	88	821677	807853	<0.2	<0.2	4.0	3.7
						1.0	0.4	280	25.9		7.6		17.5		92.7		6.8		1.0		5		83				<0.2		4.3	
					Middle	4.1	0.5	247	25.1	25.1	7.6	7.6	21.4	21.4	89.1	89.1	6.5		1.6		5		90				<0.2		3.4	
						4.1	0.5	257	25.1		7.6		21.3		89.1		6.5		1.6		6		89				<0.2		3.1	
					Bottom	7.1	0.5	231	25.1	25.1	7.6	7.6	23.2	23.2	93.7	93.8	6.8	6.8	2.9		7		91				<0.2		3.8	
						7.1	0.5	236	25.1		7.6		23.2		93.9		6.8		3.2		7		90				<0.2		3.3	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:27	7.3	Surface	1.0	0.4	274	25.4	25.4	7.6	7.6	19.7	19.7	92.4	92.4	6.8	6.7	1.0	6.2	6	7	83	88	822088	808795	<0.2	<0.2	4.4	2.8
						1.0	0.4	289	25.4		7.6		19.6		92.4		6.8		1.0		5		84				<0.2		4.2	
					Middle	3.7	0.4	264	25.1	25.1	7.7	7.7	23.1	23.1	90.2	90.2	6.5		5.2		6		90				<0.2		2.3	
						3.7	0.5	271	25.1		7.7		23.1		90.2		6.5		5.2		5		90				<0.2		2.2	
					Bottom	6.3	0.6	252	25.1	25.1	7.6	7.6	24.2	24.2	92.6	92.6	6.7	6.7	12.4		12		91				<0.2		1.9	
						6.3	0.7	261	25.1		7.6		24.2		92.6		6.7		12.4		10		91				<0.2		1.8	
IM10	Cloudy	Moderate	15:35	7.5	Surface	1.0	0.3	281	25.7	25.7	7.7	7.7	19.6	19.6	95.0	94.9	7.0	6.7	0.2	2.1	8	7	84	88	822239	809853	<0.2	<0.2	3.3	2.6
						1.0	0.3	306	25.7		7.7		19.6		94.8		6.9		0.2		7		83				<0.2		3.6	
					Middle	3.8	0.5	261	25.2	25.2	7.7	7.7	23.3	23.3	90.3	90.3	6.5		1.4		6		90				<0.2		2.6	
						3.8	0.6	273	25.2		7.7		23.3		90.3		6.5		1.4		8		90				<0.2		2.4	
					Bottom	6.5	0.4	267	25.0	25.0	7.7	7.7	24.5	24.5	92.8	93.2	6.7	6.7	4.8		7		91				<0.2		1.6	
						6.5	0.4	269	25.0		7.6		24.4		93.5		6.7		4.4		8		91				<0.2		1.8	
IM11	Cloudy	Moderate	15:44	8.5	Surface	1.0	0.5	274	25.3	25.3	7.7	7.7	20.7	20.7	93.5	93.5	6.8	6.8	0.9	2.5	5	5	84	88	821499	810551	<0.2	<0.2	3.3	2.6
						1.0	0.5	281	25.3		7.7		20.7		93.4		6.8		0.9		4		84				<0.2		3.3	
					Middle	4.3	0.3	256	25.1	25.1	7.7	7.7	22.8	22.8	92.0	92.0	6.7		1.9		3		90				<0.2		2.4	
						4.3	0.3	270	25.1		7.7		22.8		92.0		6.7		1.9		4		90				<0.2		2.4	
					Bottom	7.5	0.4	245	25.0	25.0	7.7	7.7	23.6	23.6	93.0	93.1	6.7	6.7	4.8		6		91				<0.2		2.0	
						7.5	0.4	253	25.0		7.7		23.6		93.1		6.7		4.8		7		91				<0.2		1.9	
IM12	Cloudy	Moderate	15:52	9.2	Surface	1.0	0.5	262	25.7	25.7	7.7	7.7	20.1	20.1	100.4	100.4	7.3	6.9	1.6	5.4	19	17	84	89	821170	811514	<0.2	<0.2	3.3	2.5
						1.0	0.6	275	25.7		7.7		20.1		100.4		7.3		1.6		18		84				<0.2		3.7	
					Middle	4.6	0.6	271	25.1	25.1	7.7	7.7	23.5	23.5	90.1	89.9	6.5		4.1		17		90				<0.2		2.4	
						4.6	0.6	286	25.0		7.7		23.5		89.6		6.5		4.6		16		91				<0.2		2.7	
					Bottom	8.2	0.6	257	24.7	24.7	7.7	7.7	25.6	25.6	90.1	90.2	6.5	6.5	10.3		16		91				<0.2		1.4	
						8.2	0.7	265	24.7		7.7		25.6		90.3		6.5		10.4		17		92				<0.2		1.4	
SR2	Cloudy	Moderate	16:16	4.8	Surface	1.0	0.4	279	25.3	25.3	7.7	7.7	24.2	24.2	93.7	93.7	6.7	6.7	6.3	8.2	16	17	86	89	821476	814178	<0.2	<0.2	2.5	1.9
						1.0	0.4	280	25.3		7.7		24.2		93.6		6.7		6.4		18		85				<0.2		2.3	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	260	24.8	24.8	7.7	7.7	26.0	26.1	89.7	89.8	6.4	6.4	10.0		18		91				<0.2		1.2	
						3.8	0.3	285	24.8		7.7		26.1		89.8		6.4		9.9		17		92				<0.2		1.6	
SR3	Cloudy	Moderate	15:13	8.4	Surface	1.0	0.4	233	25.9	25.9	7.6	7.6	16.3	16.3	91.2	91.2	6.8	6.6	1.3	2.8	10	9	-	-	822164	807560	-	-	-	-
						1.0	0.4	246	25.9		7.6		16.3		91.2		6.8		1.3		8		-				-		-	
					Middle	4.2	0.3	223	25.1	25.1	7.6	7.6	23.0	23.0	87.7	87.7	6.4		2.5		8		-				-		-	
						4.2	0.3	231	25.1		7.6		23.0		87.7		6.4		2.6		8		-				-		-	
					Bottom	7.4	0.5	226	25.1	25.1	7.6	7.6	23.9	23.9	92.7	93.0	6.7	6.7	4.7		12		-				-		-	
						7.4	0.5	230	25.1		7.6		23.9		93.2		6.7		4.5		10		-				-		-	
SR4A	Fine	Calm	16:08	8.6	Surface	1.0	0.2	298	28.1	28.1	7.8	7.8	25.5	25.5	95.7	95.7	6.5	6.5	20.0	22.3	28	35	-	-	817180	807797	-	-	-	-
						1.0	0.2	318	28.1		7.8		25.5		95.7		6.5		20.1		31		-				-		-	
					Middle	4.3	0.2	290	28.1	28.1	7.8	7.8	25.7	25.7	94.7	94.7	6.4		22.8		33		-				-		-	
						4.3	0.2	302	28.1		7.8		25.7		94.7		6.4		23.5		36		-				-		-	
					Bottom	7.6	0.2	293	27.9	27.9	7.8	7.8	26.2	26.2	96.2	96.9	6.5	6.6	23.8		41		-				-		-	
						7.6	0.2	304	27.8		7.8		26.1		97.6		6.6		23.7		38		-				-		-	
SR5A	Fine	Calm	16:27	3.8	Surface	1.0	0.4	310	28.0	28.2	7.8	7.8	26.0	25.9	96.6	96.3	6.5	6.5	12.6	12.7	30	29	-	-	816612	810686	-	-	-	-
						1.0	0.4	334	28.4		7.8		25.8		96.0		6.5		12.4		30		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.3	310	27.9	28.1	7.8	7.8	26.0	25.9	98.8	98.6	6.7	6.7	13.0		28		-				-		-	
						2.8	0.3	326	28.3		7.8		25.8		98.4		6.6		12.8		29		-				-		-	
SR6	Fine	Calm	16:51	4.0	Surface	1.0	0.2	240	28.5	28.6	7.8	7.8	26.4	26.4	92.4	92.4	6.2	6.2	9.4	9.8	21	25	-	-	817881	814663	-	-	-	-
						1.0	0.3	248	28.6		7.8		26.4		92.3		6.2		9.4		20		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	243	27.8	28.0	7.8	7.8	26.7	26.6	95.7	95.6	6.5	6.5	10.3		31		-				-		-	
						3.0	0.2	261	28.2		7.8		26.4		95.4		6.4		10.1		28		-				-		-	
SR7	Cloudy	Moderate	17:10	17.6	Surface	1.0	0.2	210	24.9	24.9	7.8	7.8	26.3	26.3	89.4	89.4	6.4	6.3	3.2	4.9	6	11	-	-	823642	823744	-	-	-	-
						1.0	0.2	213	24.9		7.8		26.3		89.4		6.4		3.2		7		-				-		-	
					Middle	8.8	0.2	221	24.8	24.8	7.8	7.8	26.9	26.9	87.4	87.4	6.2		5.0		10		-				-		-	
						8.8	0.2	238	24.8		7.8		26.9		87.4		6.2		4.9		12		-				-		-	
					Bottom	16.6	0.2	208	24.7	24.7	7.7	7.7	27.7	27.7	87.4	87.5	6.2	6.2	6.4		15		-				-		-	
						16.6	0.2	223	24.7		7.7		27.7		87.5		6.2		6.4		13		-				-		-	
SR8	Cloudy	Moderate	16:01	5.4	Surface	1.0	0.1	243	25.7	25.7	7.7	7.7	20.0	20.0	100.3	100.1	7.3	7.3	2.7	3.4	5	6	-	-	820403	811584	-	-	-	-
						1.0	0.1	253	25.7		7.7		20.0		99.8		7.3		2.7		6		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	246	25.3	25.3	7.7	7.7	22.6	22.7	97.5	97.5	7.1	7.1	4.0		6		-				-		-	
						4.4	0.2	255	25.3		7.7		22.7		97.5		7.1		4.1		5		-				-		-	

DA: Depth-Averaged

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

Value exceeding Action Level is underlined

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 October 16 during Mid-Ebb tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Calm	08:25	8.5	Surface	1.0	0.4	227	27.6	27.9	7.8	7.8	22.6	22.4	91.8	91.5	6.4	6.3	3.9	7.1	4	10	86	87	815613	804250	<0.2	<0.2	4.3	2.7
						1.0	0.4	245	28.1		7.8		22.1		91.1		6.3		3.7		5		83				<0.2		4.0	
					Middle	4.3	0.3	184	27.5	27.6	7.8	7.8	26.3	26.3	90.6	90.6	6.2		7.1		6		86				<0.2		2.8	
						4.3	0.3	198	27.6		7.8		26.3		90.5		6.2		7.3		5		86				<0.2		2.9	
					Bottom	7.5	0.3	192	27.0	27.2	7.8	7.8	29.3	29.2	94.1	93.9	6.4	6.4	10.7		19		89				<0.2		1.2	
						7.5	0.3	209	27.4		7.8		29.0		93.7		6.3		10.1		22		90				<0.2		1.2	
C2	Cloudy	Moderate	10:11	11.9	Surface	1.0	0.2	168	25.4	25.4	7.7	7.7	18.2	18.2	87.0	87.0	6.4	6.2	3.9	9.2	3	8	81	86	825690	806935	<0.2	<0.2	5.0	3.7
						1.0	0.2	174	25.4		7.7		18.2		87.0		6.4		3.9		4		81				<0.2		4.7	
					Middle	6.0	0.2	232	24.9	24.9	7.7	7.7	25.2	25.2	83.6	83.6	6.0		9.2		7		88				<0.2		3.5	
						6.0	0.2	239	24.9		7.7		25.2		83.6		6.0		9.2		9		86				<0.2		3.6	
					Bottom	10.9	0.2	200	24.9	24.9	7.7	7.7	26.2	26.2	86.4	86.5	6.2	6.2	14.5		12		91				<0.2		2.7	
						10.9	0.2	219	24.9		7.7		26.2		86.6		6.2		14.4		13		91				<0.2		2.7	
C3	Fine	Moderate	08:08	12.2	Surface	1.0	0.4	178	24.7	24.7	7.7	7.7	25.5	25.5	92.7	92.7	6.7	6.6	1.7	2.1	5	5	85	89	822101	817788	<0.2	<0.2	2.6	2.5
						1.0	0.4	192	24.7		7.7		25.5		92.6		6.7		1.7		6		86				<0.2		2.7	
					Middle	6.1	0.2	170	24.8	24.8	7.7	7.7	26.4	26.4	90.4	90.4	6.5		2.0		6		88				<0.2		2.2	
						6.1	0.2	171	24.8		7.7		26.4		90.4		6.5		2.1		6		90				<0.2		2.6	
					Bottom	11.2	0.5	188	24.8	24.8	7.7	7.7	27.0	27.0	91.1	91.1	6.5	6.5	2.5		5		91				<0.2		2.4	
						11.2	0.6	190	24.8		7.7		27.0		91.1		6.5		2.5		4		91				<0.2		2.2	
IM1	Cloudy	Calm	08:51	6.7	Surface	1.0	0.3	152	27.8	27.6	7.8	7.8	25.5	25.6	87.9	88.2	6.0	6.0	6.4	8.5	7	12	83	86	818344	806474	<0.2	<0.2	2.7	1.9
						1.0	0.3	153	27.4		7.8		25.7		88.4		6.0		6.6		5		84				<0.2		2.9	
					Middle	3.4	0.3	134	27.1	27.3	7.8	7.8	27.5	27.4	88.5	88.3	6.0		8.5		10		86				<0.2		1.6	
						3.4	0.3	135	27.5		7.8		27.2		88.0		6.0		8.5		12		85				<0.2		1.7	
					Bottom	5.7	0.3	144	27.4	27.2	7.8	7.8	28.4	28.5	90.0	90.4	6.1	6.1	10.4		17		89				<0.2		1.4	
						5.7	0.3	158	27.0		7.8		28.6		90.7		6.1		10.3		18		90				<0.2		1.3	
IM2	Cloudy	Calm	09:00	7.9	Surface	1.0	0.3	191	28.4	28.4	7.8	7.8	21.5	21.6	96.7	96.6	6.7	6.5	2.4	3.8	4	5	86	89	818867	806192	<0.2	<0.2	4.1	3.2
						1.0	0.3	203	28.4		7.8		21.6		96.5		6.6		2.4		3		86				<0.2		4.0	
					Middle	4.0	0.3	170	28.3	28.2	7.8	7.8	23.1	23.1	93.4	93.4	6.4		3.3		3		89				<0.2		3.6	
						4.0	0.3	182	28.1		7.8		23.1		93.4		6.4		3.5		2		89				<0.2		3.4	
					Bottom	6.9	0.3	191	27.8	27.8	7.8	7.8	26.5	26.6	94.2	94.4	6.4	6.4	5.6		10		91				<0.2		2.0	
						6.9	0.3	201	27.8		7.8		26.6		94.6		6.4		5.6		9		92				<0.2		2.2	
IM3	Cloudy	Calm	09:09	7.7	Surface	1.0	0.3	192	27.7	27.9	7.8	7.8	21.2	21.0	95.7	95.4	6.7	6.4	2.6	3.2	5	8	84	89	819423	806016	<0.2	<0.2	4.8	3.5
						1.0	0.3	200	28.1		7.8		20.8		95.1		6.6		2.4		6		87				<0.2		4.5	
					Middle	3.9	0.3	179	28.0	28.1	7.8	7.8	22.6	22.6	89.6	89.5	6.2		3.3		6		90				<0.2		3.8	
						3.9	0.3	180	28.1		7.8		22.6		89.3		6.1		3.3		8		90				<0.2		3.9	
					Bottom	6.7	0.3	163	27.7	27.7	7.8	7.8	26.6	26.7	92.6	92.9	6.3	6.3	3.7		11		92				<0.2		2.0	
						6.7	0.3	174	27.6		7.8		26.7		93.1		6.3		3.8		12		92				<0.2		2.2	
IM4	Cloudy	Calm	09:18	7.3	Surface	1.0	0.3	187	28.1	28.1	7.7	7.7	18.6	18.6	93.7	93.8	6.6	6.4	2.8	4.1	4	6	83	86	819564	805045	<0.2	<0.2	4.8	3.7
						1.0	0.3	198	28.1		7.7		18.6		93.8		6.6		2.8		5		83				<0.2		5.0	
					Middle	3.7	0.4	139	28.0	28.0	7.8	7.8	22.3	22.3	89.5	89.5	6.2		5.1		4		86				<0.2		3.7	
						3.7	0.4	139	28.0		7.8		22.3		89.5		6.2		5.0		6		87				<0.2		3.9	
					Bottom	6.3	0.3	164	27.8	27.9	7.7	7.7	26.4	26.4	93.0	93.1	6.3	6.3	4.5		9		87				<0.2		2.5	
						6.3	0.3	175	27.9		7.7		26.3		93.1		6.3		4.1		10		88				<0.2		2.4	
IM5	Cloudy	Calm	09:27	6.5	Surface	1.0	0.3	191	28.0	28.1	7.7	7.7	19.7	19.7	89.1	89.0	6.3	6.1	5.2	8.8	7	15	82	85	820581	804941	<0.2	<0.2	5.0	3.5
						1.0	0.3	196	28.1		7.7		19.7		88.9		6.2		5.0		7		80				<0.2		4.7	
					Middle	3.3	0.3	136	27.8	27.8	7.8	7.8	23.0	22.9	86.3	86.3	6.0		9.3		16		84				<0.2		3.2	
						3.3	0.3	147	27.8		7.8		22.7		86.2		6.0		9.2		15		85				<0.2		3.5	
					Bottom	5.5	0.3	179	27.7	27.7	7.8	7.8	25.4	25.4	88.0	88.1	6.0	6.0	12.1		21		88				<0.2		2.5	
						5.5	0.3	188	27.7		7.8		25.4		88.1		6.0		12.0		22		89				<0.2		2.3	
IM6	Cloudy	Calm	09:37	6.2	Surface	1.0	0.3	122	28.2	28.1	7.8	7.8	21.6	21.6	89.0	89.1	6.2	6.1	4.4	7.4	7	12	84	87	821058	805845	<0.2	<0.2	4.0	2.8
						1.0	0.3	133	28.0		7.8		21.6		89.1		6.2		4.6		7		83				<0.2		4.2	
					Middle	3.1	0.3	117	27.8	27.6	7.8	7.8	25.1	25.2	85.9	86.2	5.9		7.7		10		86				<0.2		2.8	
						3.1	0.3	119	27.4		7.8		25.3		86.4		5.9		7.8		12		88				<0.2		2.7	
					Bottom	5.2	0.3	119	27.6	27.4	7.8	7.8	27.4	27.6	88.7	89.1	6.0	6.1	9.8		17		90				<0.2		1.6	
						5.2	0.3	126	27.2		7.8		27.7		89.4		6.1		10.1		18		91				<0.2		1.7	
IM7	Cloudy	Calm	09:47	7.3	Surface	1.0	0.3	134	28.2	28.0	7.8	7.8	21.1	21.2	87.8	88.0	6.1	6.1	5.8	6.6	11	14	83	87	821345	806835	<0.2	<0.2	3.2	2.6
						1.0	0.3	142	27.8		7.8		21.3		88.2		6.1		5.9		11		84				<0.2		3.2	
					Middle	3.7	0.4	111	27.5	27.7	7.8	7.8	26.0	25.9	88.3	88.1	6.0		7.3		15		87				<0.2		2.5	
						3.7	0.4	113	27.9		7.8		25.8		87.8		6.0		7.1		14		88				<0.2		2.3	
					Bottom	6.3	0.3	134	27.9	27.7	7.8	7.8	26.4	26.6	90.2	91.2	6.1	6.2	6.6		17		89				<0.2		2.0	
						6.3	0.3	140	27.4		7.8		26.8		92.1		6.3		6.6		15		89				<0.2		2.1	
IM8	Cloudy	Moderate	09:29	7.9	Surface	1.0	0.4	123	25.2	25.2	7.7	7.7	18.0	18.0	92.9	92.9	6.9	6.7	0.8	2.8	5	5	82	87	821676	807848	<0.2	<0.2	5.2	4.1
						1.0	0.4	128	25.2		7.7		18.0		92.8		6.9		0.8		3		82				<0.2		5.2	
					Middle	4.0	0.4	133	25.3	25.3	7.7	7.7	24.4	24.4	91.2	91.2	6.5		1.8		6		89				<0.2		3.5	
						4.0	0.4	144	25.3		7.7		24.4		91.2		6.5		1.8		5		90				<0.2		3.9	
					Bottom	6.9	0.3	128	24.8	24.8	7.7	7.7	26.4	26.4	89.4	89.4	6.4	6.4	5.8		6		90				<0.2		3.2	
						6.9	0.3	134	24.8		7.7		26.4		89.4		6.4		5.8		6		90				<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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 October 16 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	09:21	6.9	Surface	1.0	0.4	130	25.2	25.2	7.7	7.7	18.2	18.2	94.6	94.6	7.0	6.9	0.6	4.2	5	6	83	88	822090	808817	<0.2	<0.2	5.2	4.0
						1.0	0.4	134	25.2		7.7		18.2		94.6		7.0		0.6		5		82				<0.2		5.2	
					Middle	3.5	0.4	121	25.4	25.4	7.7	7.7	24.5	24.6	94.0	94.0	6.7		2.1		5		90				<0.2		3.9	
						3.5	0.5	131	25.4		7.7		24.6		94.0		6.7		2.1		7		90				<0.2		3.9	
					Bottom	5.9	0.4	137	24.8	24.8	7.7	7.7	26.4	26.4	92.0	92.0	6.6	6.6	10.1		7		91				<0.2		2.9	
						5.9	0.4	140	24.8		7.7		26.3		92.0		6.6		9.8		8		90				<0.2		3.0	
IM10	Cloudy	Moderate	09:13	7.8	Surface	1.0	0.5	134	25.1	25.1	7.7	7.7	19.9	19.9	93.1	93.1	6.9	6.7	1.2	4.7	6	7	84	88	822242	809825	<0.2	<0.2	4.9	3.8
						1.0	0.5	141	25.1		7.7		19.9		93.1		6.9		1.2		4		83				<0.2		5.0	
					Middle	3.9	0.4	125	25.0	25.0	7.7	7.7	25.7	25.7	89.2	89.2	6.4		4.4		8		89				<0.2		4.4	
						3.9	0.4	125	25.0		7.7		25.7		89.2		6.4		4.4		7		90				<0.2		4.5	
					Bottom	6.8	0.4	130	24.6	24.6	7.7	7.7	27.1	27.1	88.4	88.4	6.3	6.3	8.5		10		90				<0.2		2.1	
						6.8	0.4	135	24.6		7.7		27.1		88.4		6.3		8.5		8		90				<0.2		2.1	
IM11	Cloudy	Moderate	09:05	8.0	Surface	1.0	0.5	134	25.4	25.4	7.7	7.7	22.0	22.0	99.0	99.0	7.2	7.1	0.8	5.0	5	9	83	88	821515	810528	<0.2	<0.2	4.2	3.2
						1.0	0.5	137	25.4		7.7		22.0		98.9		7.2		0.9		4		83				<0.2		4.1	
					Middle	4.0	0.4	126	25.3	25.3	7.8	7.8	22.9	22.9	95.9	95.9	6.9		2.2		6		90				<0.2		3.8	
						4.0	0.4	134	25.3		7.8		22.9		95.9		6.9		2.3		8		89				<0.2		3.6	
					Bottom	7.0	0.3	143	24.6	24.6	7.8	7.8	27.2	27.2	91.8	91.9	6.6	6.6	11.9		16		90				<0.2		2.0	
						7.0	0.3	150	24.6		7.8		27.2		91.9		6.6		12.0		14		90				<0.2		1.7	
IM12	Cloudy	Moderate	08:56	8.6	Surface	1.0	0.5	129	25.1	25.1	7.7	7.7	23.0	23.0	98.1	98.1	7.1	7.0	0.6	5.0	4	4	83	88	821158	811530	<0.2	<0.2	3.9	3.7
						1.0	0.5	141	25.1		7.7		23.0		98.1		7.1		0.6		3		83				<0.2		3.8	
					Middle	4.3	0.3	133	25.1	25.1	7.7	7.7	23.1	23.1	94.5	94.5	6.8		2.5		4		89				<0.2		4.0	
						4.3	0.3	142	25.1		7.7		23.1		94.4		6.8		2.6		5		89				<0.2		3.9	
					Bottom	7.6	0.4	124	24.8	24.8	7.7	7.7	26.2	26.2	88.2	88.3	6.3	6.3	11.8		5		91				<0.2		3.1	
						7.6	0.5	132	24.8		7.7		26.2		88.3		6.3		11.9		4		91				<0.2		3.2	
SR2	Fine	Moderate	08:31	4.8	Surface	1.0	0.4	132	25.0	25.0	7.7	7.7	23.0	23.0	91.8	91.6	6.7	6.7	2.7	5.7	2	9	83	87	821478	814162	<0.2	<0.2	3.5	3.1
						1.0	0.4	142	25.0		7.7		23.0		91.4		6.6		2.8		4		84				<0.2		3.8	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	131	24.7	24.8	7.7	7.7	26.0	26.0	85.3	85.4	6.1	6.1	8.5		16		91				<0.2		2.5	
						3.8	0.3	133	24.8		7.7		26.0		85.5		6.1		8.9		14		91				<0.2		2.4	
SR3	Cloudy	Moderate	09:36	8.7	Surface	1.0	0.4	115	25.2	25.2	7.7	7.7	18.3	18.3	92.3	92.3	6.9	6.7	0.9	3.1	2	5	-	-	822153	807573	-	-	-	-
						1.0	0.4	124	25.2		7.7		18.3		92.2		6.9		0.9		3		-				-		-	
					Middle	4.4	0.6	124	25.1	25.1	7.7	7.7	23.1	23.1	90.0	90.0	6.5		2.7		5		-				-		-	
						4.4	0.6	125	25.1		7.7		23.1		89.9		6.5		2.8		3		-				-		-	
					Bottom	7.7	0.4	102	24.8	24.8	7.7	7.7	26.6	26.6	92.3	92.4	6.6	6.6	5.6		7		-				-		-	
						7.7	0.4	111	24.8		7.7		26.6		92.5		6.6		5.6		7		-				-		-	
SR4A	Cloudy	Calm	08:06	9.0	Surface	1.0	0.3	172	27.6	27.6	7.8	7.8	23.0	23.0	91.5	91.5	6.3	6.2	8.6	15.0	8	24	-	-	817206	807790	-	-	-	-
						1.0	0.3	181	27.6		7.8		23.0		91.4		6.3		8.5		9		-				-		-	
					Middle	4.5	0.4	180	27.4	27.4	7.8	7.8	24.8	24.9	88.0	88.0	6.1		15.6		28		-				-		-	
						4.5	0.4	196	27.3		7.8		24.9		88.0		6.1		15.6		29		-				-		-	
					Bottom	8.0	0.3	195	27.2	27.2	7.8	7.8	28.6	28.6	89.7	90.2	6.1	6.1	21.1		34		-				-		-	
						8.0	0.4	211	27.2		7.8		28.6		90.6		6.1		20.6		35		-				-		-	
SR5A	Fine	Calm	07:49	4.1	Surface	1.0	0.1	176	27.9	27.9	7.7	7.7	25.4	25.4	93.0	93.0	6.3	6.3	6.3	7.9	6	12	-	-	816598	810694	-	-	-	-
						1.0	0.1	181	27.9		7.7		25.4		93.0		6.3		6.2		5		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	166	27.8	27.8	7.7	7.7	25.9	25.9	95.6	95.7	6.5	6.5	9.5		17		-				-		-	
						3.1	0.2	166	27.8		7.7		25.9		95.8		6.5		9.5		18		-				-		-	
SR6	Fine	Calm	07:25	4.2	Surface	1.0	0.1	122	27.8	27.8	7.7	7.7	25.4	25.4	93.6	93.6	6.4	6.4	4.1	4.0	7	8	-	-	817915	814655	-	-	-	-
						1.0	0.2	123	27.8		7.7		25.4		93.5		6.4		3.9		6		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	125	27.8	27.8	7.7	7.7	25.9	25.9	94.4	95.4	6.4	6.5	4.1		9		-				-		-	
						3.2	0.1	133	27.8		7.7		25.8		96.3		6.5		3.7		8		-				-		-	
SR7	Fine	Calm	07:34	17.8	Surface	1.0	0.5	189	24.8	24.8	7.7	7.7	26.8	26.8	94.1	94.1	6.7	6.6	1.2	1.5	6	6	-	-	823620	823725	-	-	-	-
						1.0	0.5	204	24.8		7.7		26.8		94.0		6.7		1.2		5		-				-		-	
					Middle	8.9	0.3	192	24.8	24.8	7.7	7.7	28.3	28.3	90.2	90.2	6.4		1.5		6		-				-		-	
						8.9	0.3	210	24.8		7.7		28.3		90.2		6.4		1.5		5		-				-		-	
					Bottom	16.8	0.4	186	24.8	24.8	7.7	7.7	28.5	28.5	91.0	91.0	6.4	6.4	1.8		7		-				-		-	
						16.8	0.4	201	24.8		7.7		28.5		91.0		6.4		1.8		6		-				-		-	
SR8	Cloudy	Moderate	08:49	5.1	Surface	1.0	0.3	164	25.2	25.2	7.7	7.7	24.3	24.3	91.2	91.2	6.5	6.5	5.1	10.8	10	11	-	-	820431	811603	-	-	-	-
						1.0	0.3	170	25.2		7.7		24.3		91.1		6.5		5.2		8		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	168	24.8	24.8	7.6	7.6	26.1	26.1	88.7	88.8	6.3	6.4	16.4		14		-				-		-	
						4.1	0.2	170	24.8		7.6		26.1		88.8		6.4		16.3		13		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 October 16 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 (mg/L)		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	16:47	7.8	Surface	1.0	0.4	127	28.8	29.1	7.8	7.8	20.1	20.0	101.7	101.4	7.0	6.9	3.4	4.1	7	8	85	87	815626	804251	<0.2	<0.2	4.0	3.3
						1.0	0.4	132	29.3		7.8		19.9		101.0		6.9		3.2		5		85				<0.2		4.4	
					Middle	3.9	0.4	114	28.7	28.7	7.9	7.9	22.4	22.5	100.2	100.3	6.8		4.2		8		87				<0.2		3.2	
						3.9	0.4	118	28.6		7.9		22.5		100.3		6.9		4.3		8		87				<0.2		3.1	
					Bottom	6.8	0.5	76	28.4	28.4	7.9	7.9	23.8	23.9	100.2	100.3	6.8	6.8	4.6		12		90				<0.2		2.7	
						6.8	0.5	80	28.3		7.9		23.9		100.4		6.8		4.7		10		90				<0.2		2.3	
C2	Cloudy	Moderate	15:44	10.2	Surface	1.0	0.4	150	25.7	25.7	7.6	7.6	18.4	18.6	80.3	80.3	5.9	5.9	4.9	8.0	6	7	82	88	825697	806947	<0.2	<0.2	2.4	2.9
						1.0	0.4	162	25.7		7.6		18.7		80.3		5.9		4.9		6		82				<0.2		2.6	
					Middle	5.1	0.4	202	25.1	25.1	7.7	7.7	24.2	24.2	80.6	80.7	5.8		7.1		8		90				<0.2		3.6	
						5.1	0.5	208	25.1		7.7		24.1		80.7		5.8		7.1		7		89				<0.2		3.4	
					Bottom	9.2	0.5	265	25.1	25.1	7.7	7.7	27.4	27.4	82.9	82.9	5.9	5.9	12.0		8		91				<0.2		2.5	
						9.2	0.5	273	25.1		7.7		27.4		82.9		5.9		12.1		8		92				<0.2		2.7	
C3	Cloudy	Moderate	17:42	11.9	Surface	1.0	0.5	265	25.5	25.5	7.8	7.8	25.3	25.3	95.3	95.2	6.8	6.5	3.9	8.8	6	5	86	90	822117	817795	<0.2	<0.2	2.2	2.2
						1.0	0.5	290	25.5		7.8		25.3		95.1		6.7		4.0		5		87				<0.2		2.8	
					Middle	6.0	0.5	257	25.0	25.0	7.8	7.8	27.9	27.9	89.0	89.0	6.3		8.8		5		91				<0.2		1.8	
						6.0	0.5	265	25.0		7.8		27.9		89.0		6.3		8.9		4		92				<0.2		2.1	
					Bottom	10.9	0.5	262	24.9	24.9	7.7	7.7	28.4	28.4	90.4	90.5	6.4	6.4	13.5		6		93				<0.2		2.3	
						10.9	0.5	282	24.9		7.7		28.4		90.5		6.4		13.5		5		92				<0.2		2.0	
IM1	Fine	Calm	16:23	6.7	Surface	1.0	0.3	199	28.8	28.8	7.8	7.8	21.5	21.6	93.1	93.0	6.4	6.2	6.5	12.0	6	10	82	87	818331	806442	<0.2	<0.2	2.8	2.4
						1.0	0.3	217	28.8		7.8		21.6		92.9		6.4		6.4		8		83				<0.2		3.0	
					Middle	3.4	0.4	163	28.1	28.1	7.8	7.8	24.7	24.7	88.6	88.6	6.0		11.7		11		86				<0.2		2.2	
						3.4	0.4	175	28.0		7.8		24.7		88.5		6.0		12.0		10		87				<0.2		2.3	
					Bottom	5.7	0.4	104	27.8	27.8	7.8	7.8	26.8	26.9	89.4	89.5	6.0	6.1	17.4		14		90				<0.2		2.1	
						5.7	0.5	104	27.8		7.8		26.9		89.6		6.1		17.7		13		91				<0.2		2.0	
IM2	Fine	Calm	16:18	7.6	Surface	1.0	0.5	233	28.9	28.9	7.8	7.8	20.3	20.4	93.1	93.1	6.4	6.3	4.8	8.1	5	9	84	88	818862	806205	<0.2	<0.2	3.7	3.1
						1.0	0.6	244	28.9		7.8		20.4		93.1		6.4		5.0		5		84				<0.2		3.8	
					Middle	3.8	0.4	237	28.6	28.6	7.8	7.8	22.4	22.5	89.4	89.5	6.1		8.3		11		89				<0.2		2.6	
						3.8	0.5	258	28.5		7.8		22.5		89.5		6.1		8.5		10		89				<0.2		2.7	
					Bottom	6.6	0.4	205	27.5	27.8	7.8	7.8	26.6	26.4	89.7	89.5	6.1	6.1	11.0		11		91				<0.2		2.8	
						6.6	0.5	222	28.0		7.8		26.1		89.2		6.0		10.9		11		92				<0.2		2.7	
IM3	Fine	Calm	16:10	7.7	Surface	1.0	0.7	252	28.7	28.7	7.7	7.7	20.8	20.8	88.5	88.6	6.1	6.2	4.9	6.9	6	11	87	89	819410	806024	<0.2	<0.2	3.6	3.3
						1.0	0.8	270	28.7		7.7		20.8		88.6		6.1		5.1		8		86				<0.2		3.4	
					Middle	3.9	0.6	246	28.7	28.7	7.8	7.8	21.5	21.5	90.4	90.5	6.2		7.2		11		89				<0.2		3.5	
						3.9	0.7	253	28.6		7.8		21.5		90.5		6.2		7.3		11		90				<0.2		3.2	
					Bottom	6.7	0.5	247	28.6	28.6	7.8	7.8	21.9	21.9	93.3	93.4	6.4	6.4	8.3		14		92				<0.2		3.2	
						6.7	0.6	251	28.6		7.8		21.9		93.5		6.4		8.3		15		92				<0.2		3.1	
IM4	Fine	Calm	16:02	7.2	Surface	1.0	0.5	229	28.8	28.8	7.8	7.8	21.9	22.0	90.4	90.3	6.2	6.1	5.8	10.2	8	12	83	87	819560	805054	<0.2	<0.2	3.0	2.8
						1.0	0.5	245	28.7		7.8		22.0		90.1		6.2		6.3		8		84				<0.2		3.0	
					Middle	3.6	0.6	237	28.4	28.2	7.8	7.8	23.0	23.1	88.4	88.7	6.0		9.1		9		86				<0.2		3.0	
						3.6	0.6	252	28.0		7.8		23.2		88.9		6.1		9.3		10		87				<0.2		3.0	
					Bottom	6.2	0.4	244	28.3	28.1	7.8	7.8	24.1	24.2	91.4	91.8	6.2	6.3	15.3		16		90				<0.2		2.6	
						6.2	0.5	252	27.9		7.8		24.3		92.1		6.3		15.6		19		90				<0.2		2.4	
IM5	Fine	Calm	15:55	6.2	Surface	1.0	0.4	235	28.8	28.8	7.8	7.8	21.1	21.1	88.7	88.6	6.1	6.0	5.9	12.5	9	18	84	88	820570	804916	<0.2	<0.2	3.4	2.2
						1.0	0.5	256	28.8		7.8		21.1		88.5		6.1		6.0		8		84				<0.2		3.5	
					Middle	3.1	0.4	257	28.3	28.3	7.8	7.8	24.0	24.0	85.0	85.1	5.8		9.0		13		89				<0.2		1.4	
						3.1	0.5	277	28.3		7.8		23.9		85.1		5.8		9.5		11		89				<0.2		1.6	
					Bottom	5.2	0.5	278	27.9	27.9	7.8	7.8	26.3	26.3	84.6	84.7	5.7	5.7	22.2		34		92				<0.2		1.7	
						5.2	0.5	284	27.8		7.8		26.3		84.7		5.7		22.4		32		92				<0.2		1.8	
IM6	Fine	Calm	15:48	6.2	Surface	1.0	0.6	240	28.6	28.6	7.8	7.8	22.2	22.2	86.1	86.0	5.9	5.8	8.4	10.8	9	16	83	88	821077	805820	<0.2	<0.2	3.3	2.4
						1.0	0.6	242	28.6		7.8		22.2		85.9		5.9		8.3		11		85				<0.2		3.2	
					Middle	3.1	0.6	259	28.1	28.2	7.8	7.8	24.3	24.2	83.7	83.7	5.7		11.8		16		87				<0.2		2.0	
						3.1	0.6	277	28.2		7.8		24.0		83.6		5.7		11.7		19		88				<0.2		2.0	
					Bottom	5.2	0.5	264	28.0	28.1	7.8	7.8	25.4	25.4	83.7	83.8	5.7	5.7	12.3		19		91				<0.2		1.9	
						5.2	0.5	265	28.1		7.8		25.4		83.9		5.7		12.4		21		92				<0.2		2.0	
IM7	Fine	Calm	15:40	7.3	Surface	1.0	0.6	235	28.2	28.3	7.7	7.7	23.6	23.6	85.0	84.9	5.8	5.8	7.4	11.7	9	21	83	86	821335	806827	<0.2	<0.2	2.7	2.5
						1.0	0.6	238	28.4		7.7		23.6		84.8		5.8		7.6		9		84				<0.2		2.5	
					Middle	3.7	0.6	241	28.3	28.1	7.7	7.7	24.3	24.4	85.7	86.0	5.8		12.2		16		86				<0.2		2.1	
						3.7	0.6	245	27.9		7.7		24.5		86.3		5.9		12.4		14		86				<0.2		2.4	
					Bottom	6.3	0.5	244	28.3	28.1	7.7	7.7	24.4	24.5	89.5	89.9	6.1	6.2	15.3		38		89				<0.2		2.8	
						6.3	0.5	253	27.9		7.7		24.6		90.3		6.2		15.1		40		89				<0.2		2.5	
IM8	Cloudy	Moderate	16:16	7.6	Surface	1.0	0.4	224	25.7	25.7	7.7	7.7	21.8	21.8	88.9	88.9	6.4	6.4	5.0	6.0	9	9	83	88	821706	807847	<0.2	<0.2	3.5	3.1
						1.0	0.4	244	25.7		7.7		21.8		88.9		6.4		5.0		7		84				<0.2		3.5	
					Middle	3.8	0.4	191	25.5	25.5	7.7	7.7	23.4	23.4	87.9	87.9	6.3		6.7		10		90				<0.2		2.8	
						3.8	0.4	204	25.5		7.7		23.4		87.9		6.3		6.6		11		89				<0.2		2.7	
					Bottom	6.6	0.3	212	25.4	25.4	7.7	7.7	24.3	24.3	87.9	87.9	6.3	6.3	6.4		9		91				<0.2		3.0	
						6.6	0.3	213	25.4		7.7		24.3		87.9		6.3		6.4		10		90				<0.2		2.8	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 October 16 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	16:25	6.4	Surface	1.0	0.3	225	26.0	26.0	7.7	7.7	20.0	20.0	92.4	92.4	6.7	6.6	3.9	4.7	5	6	83	88	822101	808817	<0.2	<0.2	3.1	3.1
						1.0	0.3	229	26.0		7.7		20.0		92.4		6.7		3.9		4		83				<0.2		3.2	
					Middle	3.2	0.4	276	25.7	25.7	7.7	7.7	22.5	22.5	91.1	91.1	6.5		4.3		6		90				<0.2		2.8	
						3.2	0.4	280	25.7		7.7		22.5		91.1		6.5		4.4		4		90				<0.2		3.0	
					Bottom	5.4	0.4	258	25.5	25.5	7.7	7.7	24.2	24.2	90.6	90.7	6.5	6.5	5.9		7		90				<0.2		3.1	
						5.4	0.4	280	25.5		7.7		24.2		90.7		6.5		5.8		7		91				<0.2		3.2	
IM10	Cloudy	Moderate	16:32	6.7	Surface	1.0	0.5	283	26.0	26.0	7.7	7.7	21.3	21.3	94.8	94.8	6.8	6.8	4.0	6.7	5	5	84	88	822252	809831	<0.2	<0.2	3.4	3.1
						1.0	0.5	295	26.0		7.7		21.3		94.8		6.8		4.0		4		83				<0.2		3.4	
					Middle	3.4	0.4	276	25.9	25.9	7.7	7.7	21.7	21.7	93.5	93.5	6.7		5.7		4		90				<0.2		3.4	
						3.4	0.5	285	25.9		7.7		21.7		93.4		6.7		5.7		4		90				<0.2		3.2	
					Bottom	5.7	0.5	267	25.6	25.6	7.7	7.7	23.5	23.5	94.3	94.4	6.8	6.8	10.2		5		91				<0.2		2.4	
						5.7	0.5	286	25.6		7.7		23.4		94.4		6.8		10.3		6		91				<0.2		2.6	
IM11	Cloudy	Moderate	16:41	7.4	Surface	1.0	0.5	271	26.0	26.0	7.8	7.8	21.7	21.7	100.3	100.3	7.2	7.2	3.5	13.8	5	11	84	89	821503	810556	<0.2	<0.2	3.2	3.0
						1.0	0.6	289	26.0		7.8		21.7		100.2		7.2		3.6		6		84				<0.2		3.4	
					Middle	3.7	0.6	293	25.9	25.9	7.8	7.8	21.9	21.9	98.3	98.3	7.1		6.0		7		90				<0.2		3.3	
						3.7	0.6	320	25.9		7.8		21.9		98.3		7.1		6.2		7		91				<0.2		3.0	
					Bottom	6.4	0.6	291	25.2	25.2	7.7	7.7	24.5	24.5	91.3	91.3	6.5	6.5	31.8		18		91				<0.2		2.7	
						6.4	0.6	301	25.2		7.7		24.5		91.3		6.5		31.8		20		91				<0.2		2.5	
IM12	Cloudy	Moderate	16:53	7.1	Surface	1.0	0.7	284	25.9	25.9	7.8	7.8	22.0	22.0	103.6	103.6	7.4	7.2	3.1	15.2	6	7	84	89	821176	811525	<0.2	<0.2	3.3	3.2
						1.0	0.7	310	25.9		7.8		22.0		103.6		7.4		3.1		6		85				<0.2		3.2	
					Middle	3.6	0.7	277	25.5	25.5	7.8	7.8	23.1	23.1	96.1	96.1	6.9		6.1		6		91				<0.2		3.1	
						3.6	0.7	300	25.5		7.8		23.1		96.1		6.9		6.3		7		91				<0.2		3.2	
					Bottom	6.1	0.5	269	25.3	25.3	7.8	7.8	25.7	25.7	93.3	93.3	6.6	6.6	36.3		8		92				<0.2		3.2	
						6.1	0.5	269	25.3		7.8		25.7		93.3		6.6		36.3		8		92				<0.2		3.2	
SR2	Cloudy	Moderate	17:18	4.4	Surface	1.0	0.2	189	25.7	25.7	7.8	7.8	24.3	24.3	96.9	96.9	6.9	6.9	9.3	11.7	11	13	86	89	821473	814183	<0.2	<0.2	2.5	2.5
						1.0	0.2	197	25.7		7.8		24.3		96.9		6.9		9.3		11		85				<0.2		2.3	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	195	25.6	25.6	7.7	7.7	24.8	24.8	98.0	98.1	7.0	7.0	13.8		14		92				<0.2		2.6	
						3.4	0.2	204	25.6		7.7		24.8		98.1		7.0		14.4		14		91				<0.2		2.7	
SR3	Cloudy	Moderate	16:12	8.2	Surface	1.0	0.4	213	26.1	26.1	7.7	7.7	17.6	17.7	88.0	88.0	6.5	6.3	3.6	4.4	6	6	-	-	822166	807556	-	-	-	-
						1.0	0.4	216	26.1		7.7		17.8		87.9		6.4		3.6		5		-				-		-	
					Middle	4.1	0.4	229	25.4	25.4	7.7	7.7	23.9	23.9	86.3	86.3	6.2		3.8		6		-				-		-	
						4.1	0.4	239	25.4		7.7		23.9		86.3		6.2		3.8		5		-				-		-	
					Bottom	7.2	0.3	236	25.3	25.3	7.7	7.7	24.6	24.6	85.9	85.9	6.1	6.1	5.8		6		-				-		-	
						7.2	0.3	239	25.3		7.7		24.6		85.8		6.1		5.8		7		-				-		-	
SR4A	Fine	Calm	17:06	8.6	Surface	1.0	0.4	248	28.3	28.4	7.9	7.9	24.8	24.8	99.6	99.5	6.8	6.7	14.3	13.4	23	23	-	-	817193	807800	-	-	-	-
						1.0	0.4	268	28.4		7.9		24.8		99.4		6.7		14.2		22		-				-		-	
					Middle	4.3	0.4	254	28.3	28.4	7.9	7.9	24.8	24.8	98.2	98.1	6.7		13.4		23		-				-		-	
						4.3	0.4	273	28.4		7.9		24.7		97.9		6.6		13.4		23		-				-		-	
					Bottom	7.6	0.4	244	27.9	28.1	7.9	7.9	25.1	25.0	98.8	98.6	6.7	6.7	12.6		22		-				-		-	
						7.6	0.4	261	28.3		7.9		24.9		98.4		6.7		12.5		22		-				-		-	
SR5A	Fine	Calm	17:24	4.0	Surface	1.0	0.4	292	28.1	28.4	7.9	7.9	25.3	25.2	100.8	100.5	6.8	6.8	9.0	11.1	14	15	-	-	816577	810692	-	-	-	-
						1.0	0.4	308	28.6		7.9		25.1		100.2		6.8		8.9		13		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.3	286	28.6	28.6	7.9	7.9	25.0	25.1	100.5	100.6	6.8	6.8	12.8		15		-				-		-	
						3.0	0.3	302	28.5		7.9		25.1		100.6		6.8		13.5		17		-				-		-	
SR6	Fine	Calm	17:48	3.9	Surface	1.0	0.2	229	28.4	28.5	7.9	7.9	24.0	24.0	101.0	101.0	6.9	6.9	14.3	14.7	15	20	-	-	817899	814656	-	-	-	-
						1.0	0.3	236	28.5		7.9		24.0		100.9		6.8		14.5		16		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	236	28.2	28.4	7.9	7.9	24.4	24.3	102.4	102.2	7.0	7.0	15.1		25		-				-		-	
						2.9	0.1	238	28.5		7.9		24.2		101.9		6.9		14.9		24		-				-		-	
SR7	Cloudy	Moderate	18:17	17.2	Surface	1.0	0.2	208	25.1	25.1	7.8	7.8	27.8	27.8	89.4	89.5	6.3	6.3	5.1	8.4	8	8	-	-	823644	823760	-	-	-	-
						1.0	0.2	223	25.1		7.8		27.8		89.5		6.3		5.1		8		-				-		-	
					Middle	8.6	0.2	191	24.9	24.9	7.8	7.8	29.2	29.2	89.5	89.5	6.3		8.2		8		-				-		-	
						8.6	0.2	193	24.9		7.8		29.2		89.5		6.3		8.1		6		-				-		-	
					Bottom	16.2	0.2	198	24.9	24.9	7.8	7.8	29.5	29.5	90.1	90.1	6.3	6.3	12.0		10		-				-		-	
						16.2	0.2	214	24.9		7.8		29.5		90.1		6.3		11.8		8		-				-		-	
SR8	Cloudy	Moderate	17:02	4.8	Surface	1.0	0.2	292	26.2	26.2	7.8	7.8	21.9	21.9	106.5	106.5	7.6	7.6	4.6	5.8	6	7	-	-	820426	811592	-	-	-	-
						1.0	0.2	306	26.2		7.8		21.9		106.5		7.6		4.7		5		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	266	25.9	25.9	7.8	7.8	22.2	22.2	104.3	104.3	7.5	7.5	6.8		8		-				-		-	
						3.8	0.3	290	25.9		7.8		22.2		104.3		7.5		7.0		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

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

Water Quality Monitoring Results on 27 October 16 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	Calm	10:14	8.2	Surface	1.0	0.8	210	28.0	28.0	7.9	7.9	22.9	22.9	99.6	98.9	6.9	6.5	4.2	11.3	6	17	82	86	815637	804237	<0.2	<0.2	3.5	2.3
						1.0	0.8	220	28.0		7.9		22.9		98.2		6.8		4.8		5		83				<0.2		3.7	
					Middle	4.1	0.7	217	27.6	27.6	7.8	7.8	28.5	28.5	91.1	91.2	6.1		15.0		7		84				<0.2		2.1	
						4.1	0.7	238	27.5		7.8		28.5		91.2		6.1		15.2		6		87				<0.2		2.2	
					Bottom	7.2	0.5	229	27.4	27.5	7.8	7.8	28.9	28.9	96.6	96.7	6.5	6.5	14.7		38		89				<0.2		1.0	
						7.2	0.5	245	27.5		7.8		28.8		96.8		6.5		14.1		39		90				<0.2		1.1	
C2	Cloudy	Moderate	12:14	10.8	Surface	1.0	0.4	181	26.6	26.6	7.6	7.6	16.9	16.9	84.0	84.0	6.1	6.1	4.4	7.9	7	8	81	87	825689	806928	<0.2	<0.2	5.0	3.9
						1.0	0.4	197	26.6		7.6		16.9		83.9		6.1		4.5		5		81				<0.2		5.1	
					Middle	5.4	0.4	175	25.3	25.3	7.7	7.7	23.6	23.6	82.6	82.6	6.0		6.5		7		89				<0.2		4.3	
						5.4	0.4	179	25.3		7.7		23.6		82.6		6.0		6.5		7		90				<0.2		4.3	
					Bottom	9.8	0.4	154	25.1	25.1	7.7	7.7	26.6	26.6	82.7	82.8	5.9	5.9	12.7		11		91				<0.2		2.3	
						9.8	0.4	158	25.1		7.7		26.5		82.8		5.9		12.6		10		91				<0.2		2.3	
C3	Cloudy	Moderate	10:03	12.4	Surface	1.0	0.3	127	25.6	25.6	7.7	7.7	25.0	25.0	94.5	94.5	6.7	6.5	2.8	4.5	3	6	86	89	822122	817810	<0.2	<0.2	2.9	2.5
						1.0	0.3	128	25.6		7.7		25.0		94.4		6.7		2.9		4		86				<0.2		2.6	
					Middle	6.2	0.2	133	25.2	25.2	7.7	7.7	26.4	26.4	89.6	89.6	6.4		4.4		5		89				<0.2		2.3	
						6.2	0.2	146	25.2		7.7		26.4		89.5		6.3		4.4		6		90				<0.2		2.5	
					Bottom	11.4	0.2	92	25.0	25.0	7.7	7.7	27.5	27.5	87.2	87.2	6.2	6.2	6.1		8		92				<0.2		2.3	
						11.4	0.2	100	25.0		7.7		27.5		87.2		6.2		6.2		10		91				<0.2		2.6	
IM1	Fine	Calm	10:43	6.7	Surface	1.0	0.7	200	28.5	28.6	7.8	7.8	21.6	21.6	95.7	95.1	6.6	6.4	4.5	8.7	5	15	84	87	818339	806462	<0.2	<0.2	3.6	2.5
						1.0	0.7	210	28.6		7.8		21.5		94.4		6.5		4.9		7		83				<0.2		3.8	
					Middle	3.4	0.4	189	27.9	27.9	7.8	7.8	25.4	25.4	90.5	90.6	6.2		10.0		15		87				<0.2		1.8	
						3.4	0.4	190	27.8		7.8		25.4		90.7		6.2		10.2		16		89				<0.2		2.2	
					Bottom	5.7	0.4	190	27.3	27.6	7.8	7.8	27.5	27.4	96.3	96.2	6.5	6.5	11.4		22		89				<0.2		1.9	
						5.7	0.4	203	27.8		7.8		27.3		96.0		6.5		11.1		22		91				<0.2		1.6	
IM2	Fine	Calm	10:50	7.7	Surface	1.0	0.8	222	28.1	28.4	7.8	7.8	22.2	22.0	100.9	100.5	7.0	6.8	2.8	4.3	5	9	82	87	818862	806190	<0.2	<0.2	4.3	3.6
						1.0	0.8	234	28.6		7.8		21.8		100.1		6.9		2.7		3		83				<0.2		4.5	
					Middle	3.9	0.8	211	28.4	28.2	7.8	7.8	22.0	22.1	97.0	97.2	6.7		4.6		6		86				<0.2		4.0	
						3.9	0.8	224	28.0		7.8		22.2		97.4		6.7		4.8		4		87				<0.2		3.6	
					Bottom	6.7	0.6	195	27.9	27.9	7.8	7.8	26.1	26.2	100.4	100.7	6.8	6.8	5.7		18		90				<0.2		2.2	
						6.7	0.6	196	27.8		7.8		26.2		100.9		6.8		5.4		17		91				<0.2		2.8	
IM3	Fine	Calm	10:58	7.5	Surface	1.0	0.7	220	28.6	28.6	7.8	7.8	21.4	21.4	93.6	93.4	6.4	6.3	3.1	5.0	4	5	85	89	819405	806013	<0.2	<0.2	4.0	3.4
						1.0	0.7	237	28.6		7.8		21.4		93.2		6.4		3.2		4		86				<0.2		3.8	
					Middle	3.8	0.7	228	28.5	28.5	7.8	7.8	22.5	22.6	89.2	89.2	6.1		5.0		4		88				<0.2		3.6	
						3.8	0.7	238	28.4		7.8		22.6		89.2		6.1		5.2		6		89				<0.2		3.4	
					Bottom	6.5	0.6	228	27.8	27.9	7.8	7.8	26.5	26.5	90.6	91.2	6.1	6.2	7.1		6		92				<0.2		2.7	
						6.5	0.6	249	27.9		7.8		26.4		91.8		6.2		6.4		7		92				<0.2		2.9	
IM4	Fine	Calm	11:06	7.2	Surface	1.0	0.7	212	28.4	28.4	7.8	7.8	20.7	20.7	94.6	94.5	6.5	6.3	4.9	7.7	5	9	84	87	819574	805050	<0.2	<0.2	4.1	3.3
						1.0	0.8	218	28.4		7.8		20.7		94.4		6.5		5.1		4		82				<0.2		4.3	
					Middle	3.6	0.6	220	28.2	28.2	7.8	7.8	22.7	22.7	89.0	88.9	6.1		6.2		10		87				<0.2		3.4	
						3.6	0.7	227	28.1		7.8		22.7		88.8		6.1		6.4		10		88				<0.2		3.5	
					Bottom	6.2	0.5	223	27.7	27.7	7.8	7.8	26.7	26.7	86.5	86.6	5.9	5.9	11.7		12		90				<0.2		2.3	
						6.2	0.5	237	27.7		7.8		26.7		86.6		5.9		11.7		14		91				<0.2		2.0	
IM5	Fine	Calm	11:16	6.1	Surface	1.0	0.7	217	28.8	28.6	7.8	7.8	19.4	19.4	87.8	88.0	6.1	6.0	4.6	7.0	8	11	82	87	820552	804923	<0.2	<0.2	4.3	3.0
						1.0	0.7	230	28.4		7.8		19.3		88.2		6.1		4.7		10		83				<0.2		4.2	
					Middle	3.1	0.5	238	27.9	28.0	7.8	7.8	24.4	24.4	85.0	84.9	5.8		6.5		11		87				<0.2		2.2	
						3.1	0.6	242	28.0		7.8		24.4		84.8		5.8		6.6		12		89				<0.2		2.0	
					Bottom	5.1	0.5	237	27.9	27.9	7.8	7.8	25.5	25.5	83.7	83.8	5.7	5.7	9.6		13		90				<0.2		2.8	
						5.1	0.5	242	27.9		7.8		25.5		83.8		5.7		9.8		11		91				<0.2		2.6	
IM6	Fine	Calm	11:25	6.0	Surface	1.0	0.6	214	28.8	28.8	7.7	7.7	18.7	18.7	90.8	90.8	6.3	6.2	4.3	9.9	5	7	85	89	821070	805816	<0.2	<0.2	3.8	3.2
						1.0	0.6	226	28.8		7.7		18.7		90.8		6.3		4.1		4		87				<0.2		3.6	
					Middle	3.0	0.5	228	28.2	28.2	7.8	7.8	22.3	22.2	88.5	88.4	6.1		8.6		6		90				<0.2		3.5	
						3.0	0.5	247	28.2		7.8		22.0		88.3		6.1		8.6		8		90				<0.2		3.6	
					Bottom	5.0	0.4	242	27.9	27.9	7.8	7.8	26.5	26.6	92.3	92.5	6.3	6.3	16.5		11		92				<0.2		2.2	
						5.0	0.5	264	27.8		7.8		26.6		92.7		6.3		17.2		9		92				<0.2		2.3	
IM7	Fine	Calm	11:34	7.2	Surface	1.0	0.7	213	28.7	28.7	7.8	7.8	20.7	20.7	87.2	86.9	6.0	5.9	4.6	6.8	9	10	85	88	821359	806828	<0.2	<0.2	3.3	3.0
						1.0	0.7	223	28.7		7.8		20.7		86.5		6.0		4.9		10		85				<0.2		3.6	
					Middle	3.6	0.5	219	28.2	28.2	7.8	7.8	25.1	25.1	85.6	85.7	5.8		7.1		10		87				<0.2		2.9	
						3.6	0.6	226	28.1		7.8		25.1		85.8		5.8		7.2		9		88				<0.2		2.7	
					Bottom	6.2	0.5	225	28.0	28.0	7.8	7.8	25.8	25.8	91.4	92.0	6.2	6.3	8.4		11		90				<0.2		2.6	
						6.2	0.5	227	28.0		7.8		25.7		92.5		6.3		8.4		12		91				<0.2		2.7	
IM8	Cloudy	Moderate	11:29	7.5	Surface	1.0	0.4	174	25.7	25.7	7.7	7.7	20.1	20.1	92.4	92.4	6.7	6.6	4.0	7.2	6	7	82	88	821680	807855	<0.2	<0.2	4.0	3.4
						1.0	0.5	182	25.7		7.7		20.1		92.4		6.7		4.0		4		82				<0.2		4.2	
					Middle	3.8	0.3	168	25.4	25.4	7.7	7.7	23.2	23.1	89.8	89.8	6.5		5.8		5		90				<0.2		3.6	
						3.8	0.3	171	25.4		7.7		23.0		89.8		6.5		6.1		7		89				<0.2		3.6	
					Bottom	6.5	0.3	126	25.1	25.1	7.7	7.7	25.7	25.7	95.2	95.4	6.8	6.8	11.7		11		91				<0.2		2.3	
						6.5	0.4	132	25.1		7.7		25.7		95.6		6.8		11.8		10		91				<0.2		2.5	

DA: Depth-Averaged

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

Value exceeding Action Level is underlined

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 October 16 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	11:22	6.4	Surface	1.0	0.5	157	25.7	25.7	7.7	7.7	20.9	21.0	92.4	92.4	6.7	6.6	3.9	6.5	6	7	82	88	822098	808797	<0.2	<0.2	3.8	3.0
						1.0	0.6	161	25.7		7.7		21.0		92.3		6.7		3.9		6		84				<0.2		3.9	
					Middle	3.2	0.5	126	25.5	25.5	7.7	7.7	23.2	23.2	88.9	88.9	6.4		5.5		7		90				<0.2		2.6	
						3.2	0.5	131	25.5		7.7		23.2		88.8		6.4		5.6		8		90				<0.2		2.6	
					Bottom	5.4	0.4	106	25.1	25.1	7.7	7.7	25.5	25.5	90.0	90.1	6.4	6.4	10.2		7		91				<0.2		2.7	
						5.4	0.4	109	25.1		7.7		25.5		90.2		6.4		10.1		7		91				<0.2		2.5	
IM10	Cloudy	Moderate	11:13	6.9	Surface	1.0	0.6	139	26.1	26.1	7.7	7.7	22.4	22.4	92.9	92.9	6.6	6.5	3.0	7.1	4	4	83	88	822226	809854	<0.2	<0.2	2.8	2.8
						1.0	0.6	145	26.1		7.7		22.4		92.8		6.6		3.0		3		83				<0.2		2.8	
					Middle	3.5	0.5	118	25.3	25.3	7.7	7.7	23.4	23.4	88.4	88.4	6.4		4.6		3		89				<0.2		2.8	
						3.5	0.5	120	25.3		7.7		23.4		88.3		6.4		4.7		3		89				<0.2		2.8	
					Bottom	5.9	0.4	132	25.1	25.1	7.7	7.7	25.7	25.7	88.6	88.7	6.3	6.3	13.5		5		92				<0.2		2.8	
						5.9	0.4	141	25.1		7.7		25.7		88.8		6.3		13.5		4		91				<0.2		2.5	
IM11	Cloudy	Moderate	11:04	7.2	Surface	1.0	0.6	135	25.7	25.7	7.7	7.7	21.0	21.0	93.8	93.7	6.8	6.6	2.9	7.1	3	3	83	88	821511	810559	<0.2	<0.2	3.7	2.9
						1.0	0.6	138	25.7		7.7		21.0		93.6		6.8		3.0		2		83				<0.2		3.6	
					Middle	3.6	0.7	101	25.3	25.3	7.7	7.7	24.1	24.2	88.2	88.2	6.3		5.4		4		90				<0.2		2.4	
						3.6	0.7	102	25.3		7.7		24.2		88.2		6.3		5.4		4		89				<0.2		2.2	
					Bottom	6.2	0.6	128	24.9	24.9	7.7	7.7	26.1	26.1	90.6	90.7	6.5	6.5	13.0		4		91				<0.2		2.8	
						6.2	0.7	138	24.9		7.7		26.1		90.8		6.5		13.0		3		92				<0.2		2.5	
IM12	Cloudy	Moderate	10:55	8.8	Surface	1.0	0.7	120	25.6	25.6	7.7	7.7	22.4	22.4	94.1	94.1	6.8	6.8	3.0	4.0	4	5	83	88	821181	811513	<0.2	<0.2	3.1	2.9
						1.0	0.7	126	25.6		7.7		22.4		94.0		6.8		3.0		4		83				<0.2		3.2	
					Middle	4.4	0.7	104	25.3	25.3	7.7	7.7	23.3	23.3	93.4	93.4	6.7		3.7		6		89				<0.2		2.9	
						4.4	0.7	104	25.3		7.7		23.2		93.4		6.7		3.7		4		90				<0.2		2.7	
					Bottom	7.8	0.6	134	25.2	25.2	7.7	7.7	24.4	24.4	97.4	97.5	7.0	7.0	5.3		5		92				<0.2		2.8	
						7.8	0.6	141	25.2		7.7		24.4		97.6		7.0		5.3		5		92				<0.2		2.9	
SR2	Cloudy	Moderate	10:31	4.2	Surface	1.0	0.6	175	25.3	25.3	7.7	7.7	23.9	23.9	93.2	93.2	6.7	6.7	6.1	10.3	4	7	84	88	821467	814170	<0.2	<0.2	3.3	2.9
						1.0	0.6	184	25.3		7.7		23.9		93.1		6.7		6.1		3		84				<0.2		3.1	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	169	25.1	25.1	7.7	7.7	25.3	25.3	93.6	93.7	6.7	6.7	14.3		10		92				<0.2		2.4	
						3.2	0.3	176	25.1		7.7		25.3		93.8		6.7		14.6		12		92				<0.2		2.6	
SR3	Cloudy	Moderate	11:36	8.1	Surface	1.0	0.3	182	25.5	25.5	7.7	7.7	22.6	22.6	88.2	88.2	6.4	6.3	5.3	11.8	5	5	-	-	822132	807589	-	-	-	-
						1.0	0.3	190	25.5		7.7		22.5		88.1		6.4		5.4		4		-				-		-	
					Middle	4.1	0.3	198	25.2	25.2	7.7	7.7	25.1	25.1	84.9	84.9	6.1		9.9		5		-				-		-	
						4.1	0.3	199	25.2		7.7		25.1		84.9		6.1		10.0		5		-				-		-	
					Bottom	7.1	0.3	207	24.9	24.9	7.7	7.7	26.2	26.2	86.9	86.9	6.2	6.2	20.0		7		-				-		-	
						7.1	0.3	217	24.9		7.7		26.2		86.9		6.2		20.3		6		-				-		-	
SR4A	Fine	Calm	09:55	8.8	Surface	1.0	0.3	182	27.8	27.8	7.8	7.8	24.7	24.7	93.7	93.6	6.4	6.3	8.1	10.5	7	14	-	-	817189	807824	-	-	-	-
						1.0	0.3	182	27.8		7.8		24.7		93.5		6.4		8.3		8		-				-		-	
					Middle	4.4	0.3	171	27.5	27.5	7.8	7.8	27.0	27.0	91.0	91.0	6.2		11.6		15		-				-		-	
						4.4	0.3	185	27.5		7.8		27.0		91.0		6.2		11.5		14		-				-		-	
					Bottom	7.8	0.3	138	27.5	27.5	7.8	7.8	27.9	28.0	95.4	95.6	6.4	6.5	11.7		19		-				-		-	
						7.8	0.3	141	27.4		7.8		28.0		95.8		6.5		11.7		20		-				-		-	
SR5A	Fine	Calm	09:37	3.9	Surface	1.0	0.2	150	28.2	28.2	7.8	7.8	24.7	24.7	97.9	97.9	6.7	6.7	12.2	9.7	6	9	-	-	816590	810690	-	-	-	-
						1.0	0.3	164	28.2		7.8		24.7		97.9		6.7		12.2		6		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	172	28.2	28.2	7.8	7.8	24.9	24.9	99.2	99.5	6.7	6.8	7.4		10		-				-		-	
						2.9	0.2	181	28.2		7.8		24.8		99.7		6.8		6.9		12		-				-		-	
SR6	Fine	Calm	09:13	3.8	Surface	1.0	0.1	127	28.3	28.3	7.7	7.7	24.7	24.7	100.4	100.5	6.8	6.8	3.3	3.1	10	10	-	-	817898	814647	-	-	-	-
						1.0	0.1	132	28.3		7.7		24.7		100.5		6.8		3.4		11		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	105	27.9	28.0	7.7	7.7	25.0	25.0	101.5	102.0	6.9	7.0	2.8		10		-				-		-	
						2.8	0.2	107	28.0		7.6		25.0		102.4		7.0		2.9		10		-				-		-	
SR7	Cloudy	Moderate	09:16	18.4	Surface	1.0	0.4	94	25.0	25.0	7.7	7.7	26.2	26.2	93.2	93.2	6.6	6.5	1.9	2.3	4	5	-	-	823630	823744	-	-	-	-
						1.0	0.5	94	25.0		7.7		26.2		93.2		6.6		1.9		4		-				-		-	
					Middle	9.2	0.4	84	24.9	24.9	7.7	7.7	27.2	27.2	90.9	90.9	6.4		2.4		4		-				-		-	
						9.2	0.4	85	24.9		7.7		27.2		90.9		6.4		2.3		4		-				-		-	
					Bottom	17.4	0.3	103	24.9	24.9	7.7	7.7	28.4	28.4	88.6	88.6	6.2	6.2	2.6		6		-				-		-	
						17.4	0.3	108	24.9		7.7		28.4		88.6		6.2		2.6		6		-				-		-	
SR8	Cloudy	Moderate	10:49	5.2	Surface	1.0	0.3	136	25.7	25.7	7.7	7.7	22.3	22.3	101.5	101.5	7.3	7.3	3.6	4.9	4	7	-	-	820402	811598	-	-	-	-
						1.0	0.3	138	25.7		7.7		22.3		101.5		7.3		3.7		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	140	25.7	25.7	7.7	7.7	22.4	22.4	100.2	100.2	7.2	7.2	6.0		10		-				-		-	
						4.2	0.3	144	25.7		7.7		22.4		100.2		7.2		6.1		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen (mg/L)		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	17:30	8.1	Surface	1.0	0.5	205	28.4	28.4	8.0	8.0	25.1	25.1	106.1	106.0	7.2	7.1	5.3	7.0	9	15	83	87	815637	804249	<0.2	<0.2	1.8	1.2
						1.0	0.6	219	28.3		8.0		25.1		105.9		7.2		5.4		7		84				<0.2		1.9	
					Middle	4.1	0.3	204	28.1	28.1	7.9	7.9	26.7	26.6	102.7	102.6	6.9		6.9		15		88				<0.2		0.8	
						4.1	0.4	220	28.1		7.9		26.5		102.4		6.9		6.9		14		88				<0.2		0.6	
					Bottom	7.1	0.3	196	27.8	27.9	7.9	7.9	28.6	28.6	102.4	102.5	6.8	6.9	9.0		23		90				<0.2		0.8	
						7.1	0.3	206	27.9		7.9		28.6		102.5		6.9		8.7		23		91				<0.2		1.0	
C2	Cloudy	Moderate	16:28	10.8	Surface	1.0	0.9	170	25.8	25.8	7.7	7.7	23.3	23.3	88.9	88.9	6.4	6.3	6.4	8.5	7	8	82	88	825675	806934	<0.2	<0.2	4.0	3.6
						1.0	1.0	178	25.8		7.7		23.3		88.8		6.3		6.5		6		82				<0.2		3.6	
					Middle	5.4	0.7	174	25.3	25.3	7.8	7.8	28.9	28.9	88.6	88.7	6.2		10.1		9		90				<0.2		4.0	
						5.4	0.7	178	25.3		7.8		28.9		88.7		6.2		10.1		8		89				<0.2		3.9	
					Bottom	9.8	0.4	171	25.3	25.3	7.8	7.8	29.5	29.5	92.1	92.2	6.4	6.4	9.0		9		91				<0.2		3.2	
						9.8	0.4	177	25.3		7.8		29.5		92.3		6.4		9.0		9		91				<0.2		3.1	
C3	Cloudy	Moderate	18:43	10.1	Surface	1.0	0.5	257	25.4	25.4	7.9	7.9	25.9	25.9	101.6	101.6	7.2	6.9	4.3	12.2	10	10	87	90	822111	817815	<0.2	<0.2	1.7	1.5
						1.0	0.5	265	25.4		7.9		25.9		101.5		7.2		4.3		11		86				<0.2		1.5	
					Middle	5.1	0.6	264	25.3	25.3	7.8	7.8	27.3	27.3	93.7	93.7	6.6		7.0		10		91				<0.2		1.5	
						5.1	0.6	266	25.3		7.8		27.3		93.7		6.6		7.0		10		92				<0.2		1.2	
					Bottom	9.1	0.5	260	25.1	25.1	7.8	7.8	28.8	28.8	93.1	93.1	6.5	6.5	25.4		9		93				<0.2		1.6	
						9.1	0.6	266	25.1		7.8		28.8		93.1		6.5		25.4		10		93				<0.2		1.6	
IM1	Fine	Calm	17:11	6.8	Surface	1.0	0.6	203	28.4	28.4	7.9	7.9	24.4	24.4	99.0	98.7	6.7	6.6	7.2	11.8	6	15	83	86	818350	806464	<0.2	<0.2	1.7	1.1
						1.0	0.6	207	28.3		7.9		24.4		98.4		6.7		7.8		8		83				<0.2		1.4	
					Middle	3.4	0.4	186	27.9	27.9	7.9	7.9	27.0	27.0	96.2	96.3	6.5		12.4		12		86				<0.2		0.8	
						3.4	0.4	186	27.9		7.9		27.0		96.3		6.5		12.6		14		87				<0.2		0.9	
					Bottom	5.8	0.3	168	28.0	27.8	7.9	7.9	27.5	27.7	98.7	99.1	6.6	6.7	15.5		23		89				<0.2		0.9	
						5.8	0.4	169	27.6		7.9		27.8		99.4		6.7		15.3		25		89				<0.2		1.0	
IM2	Fine	Calm	17:05	8.2	Surface	1.0	0.8	230	28.6	28.6	7.8	7.8	22.7	22.7	97.4	97.4	6.6	6.6	3.9	6.4	5	7	85	88	818852	806185	<0.2	<0.2	1.6	1.5
						1.0	0.8	249	28.6		7.8		22.7		97.3		6.6		3.8		5		85				<0.2		1.5	
					Middle	4.1	0.7	217	28.5	28.5	7.8	7.8	23.3	23.3	97.1	97.1	6.6		5.5		6		87				<0.2		1.9	
						4.1	0.8	235	28.4		7.8		23.3		97.1		6.6		5.6		5		88				<0.2		1.6	
					Bottom	7.2	0.7	209	28.0	28.0	7.9	7.9	26.4	26.7	98.2	98.3	6.6	6.6	9.8		10		90				<0.2		1.1	
						7.2	0.7	216	28.0		7.9		27.0		98.4		6.6		9.8		8		91				<0.2		1.3	
IM3	Fine	Calm	16:57	7.8	Surface	1.0	0.7	235	28.4	28.5	7.8	7.8	23.1	23.1	92.1	92.1	6.3	6.4	5.6	8.2	7	11	85	89	819397	806010	<0.2	<0.2	2.1	1.7
						1.0	0.8	252	28.5		7.8		23.1		92.0		6.3		5.5		9		86				<0.2		2.0	
					Middle	3.9	0.6	219	28.2	28.2	7.8	7.8	24.7	24.7	93.6	93.7	6.4		8.4		10		89				<0.2		1.4	
						3.9	0.7	230	28.2		7.8		24.7		93.7		6.4		8.5		12		90				<0.2		1.7	
					Bottom	6.8	0.4	210	28.0	27.8	7.9	7.9	27.3	27.4	95.6	95.9	6.4	6.5	10.7		15		91				<0.2		1.4	
						6.8	0.5	212	27.6		7.9		27.5		96.2		6.5		10.7		14		91				<0.2		1.7	
IM4	Fine	Calm	16:49	7.4	Surface	1.0	0.8	222	28.5	28.5	7.8	7.8	23.2	23.2	94.3	94.3	6.4	6.4	5.7	11.0	8	13	84	87	819567	805054	<0.2	<0.2	1.6	1.6
						1.0	0.8	228	28.5		7.8		23.2		94.3		6.4		5.8		9		84				<0.2		1.6	
					Middle	3.7	0.7	214	28.2	28.2	7.8	7.8	24.5	24.5	94.2	94.3	6.4		11.4		9		87				<0.2		2.0	
						3.7	0.7	225	28.2		7.8		24.5		94.3		6.4		11.6		8		87				<0.2		2.0	
					Bottom	6.4	0.5	207	27.9	27.9	7.9	7.9	27.3	27.3	97.2	97.3	6.5	6.5	15.8		23		89				<0.2		1.1	
						6.4	0.6	224	27.9		7.9		27.3		97.3		6.5		15.7		22		89				<0.2		1.1	
IM5	Fine	Calm	16:42	6.5	Surface	1.0	0.6	202	28.5	28.5	7.8	7.8	23.4	23.4	92.5	92.5	6.3	6.4	6.4	9.9	9	13	86	90	820554	804907	<0.2	<0.2	2.2	1.5
						1.0	0.7	202	28.5		7.8		23.4		92.5		6.3		6.5		9		87				<0.2		2.3	
					Middle	3.3	0.4	198	28.1	28.1	7.8	7.8	25.1	25.1	93.8	93.9	6.4		9.8		12		90				<0.2		0.9	
						3.3	0.4	211	28.1		7.8		25.0		93.9		6.4		10.0		11		91				<0.2		0.9	
					Bottom	5.5	0.3	207	27.9	27.9	7.9	7.9	27.3	27.3	96.5	96.6	6.5	6.5	13.4		18		92				<0.2		1.0	
						5.5	0.3	227	27.9		7.9		27.3		96.7		6.5		13.2		19		92				<0.2		1.4	
IM6	Fine	Calm	16:35	6.1	Surface	1.0	0.9	224	28.5	28.5	7.8	7.8	23.4	23.4	93.3	93.3	6.4	6.4	5.2	8.1	9	11	84	87	821045	805844	<0.2	<0.2	1.8	1.8
						1.0	1.0	233	28.5		7.8		23.4		93.3		6.4		5.3		7		83				<0.2		2.0	
					Middle	3.1	0.8	213	28.5	28.5	7.8	7.8	23.5	23.5	93.0	93.0	6.3		6.3		8		87				<0.2		2.0	
						3.1	0.9	230	28.5		7.8		23.5		93.0		6.3		6.4		10		87				<0.2		1.9	
					Bottom	5.1	0.7	209	28.0	28.0	7.9	7.9	26.4	26.4	94.4	94.4	6.4	6.4	12.7		17		90				<0.2		1.8	
						5.1	0.7	225	28.0		7.9		26.4		94.4		6.4		12.5		16		91				<0.2		1.5	
IM7	Fine	Calm	16:28	7.6	Surface	1.0	0.7	202	28.5	28.5	7.7	7.7	22.8	22.8	90.7	90.7	6.2	6.2	4.8	8.0	7	11	82	89	821341	806818	<0.2	<0.2	2.0	1.7
						1.0	0.7	220	28.4		7.7		22.8		90.7		6.2		4.9		7		84				<0.2		2.1	
					Middle	3.8	0.5	195	28.2	28.2	7.8	7.8	24.1	24.1	89.9	90.0	6.1		8.5		12		89				<0.2		1.2	
						3.8	0.5	203	28.2		7.8		24.1		90.0		6.1		8.6		12		90				<0.2		1.6	
					Bottom	6.6	0.5	183	28.0	28.0	7.8	7.8	25.7	25.7	93.2	93.2	6.3	6.3	10.6		14		92				<0.2		1.4	
						6.6	0.5	189	28.0		7.8		25.7		93.2		6.3		10.5		16		94				<0.2		1.6	
IM8	Cloudy	Moderate	17:08	7.5	Surface	1.0	0.7	208	25.9	25.9	7.7	7.7	23.1	23.1	94.5	94.5	6.7	6.6	4.2	6.6	6	9	82	88	821675	807823	<0.2	<0.2	2.4	2.1
						1.0	0.7	209	25.9		7.7		23.1		94.4		6.7		4.2		7		82				<0.2		2.6	
					Middle	3.8	0.5	210	25.9	25.9	7.7	7.7	23.8	23.9	92.1	92.1	6.5		5.3		6		90				<0.2		2.2	
						3.8	0.5	221	25.9		7.7		23.9		92.0		6.5		5.3		6		90				<0.2		2.2	
					Bottom	6.5	0.4	225	25.5	25.5	7.7	7.7	25.5	25.5	89.2	89.2	6.3	6.3	10.4		13		91				<0.2		1.5	
						6.5	0.4	245	25.5		7.7		25.5		89.2		6.3		10.4		14		91				<0.2		1.6	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 October 16 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:18	6.3	Surface	1.0	0.5	206	25.9	25.9	7.7	7.7	23.4	23.4	96.7	96.8	6.9	6.9	4.5	8.9	6	8	83	88	822090	808799	<0.2	<0.2	2.1	2.1
						1.0	0.5	209	25.9		7.7		23.4		96.8		6.9		4.4		6		83				<0.2		2.1	
					Middle	3.2	0.5	216	26.0	26.0	7.7	7.7	24.3	24.3	95.7	95.5	6.8		5.0		6		90				<0.2		1.9	
						3.2	0.5	233	26.0		7.7		24.3		95.3		6.8		5.2		7		90				<0.2		1.8	
					Bottom	5.3	0.3	222	25.4	25.4	7.7	7.7	26.0	26.0	96.4	96.5	6.8	6.8	17.0		11		92				<0.2		2.0	
						5.3	0.3	239	25.4		7.7		26.0		96.6		6.8		17.0		10		92				<0.2		2.4	
IM10	Cloudy	Moderate	17:28	7.3	Surface	1.0	0.4	213	25.9	25.9	7.8	7.8	24.5	24.5	95.9	95.9	6.8	6.7	3.9	7.4	8	8	83	89	822222	809845	<0.2	<0.2	1.9	1.9
						1.0	0.4	219	25.9		7.8		24.5		95.8		6.8		3.9		8		84				<0.2		1.6	
					Middle	3.7	0.3	209	25.7	25.7	7.7	7.7	25.1	25.1	91.7	91.7	6.5		5.8		8		91				<0.2		2.1	
						3.7	0.3	218	25.7		7.7		25.1		91.7		6.5		5.8		6		91				<0.2		2.4	
					Bottom	6.3	0.3	222	25.3	25.3	7.7	7.7	26.2	26.2	93.5	93.6	6.6	6.6	12.8		9		92				<0.2		1.6	
						6.3	0.3	228	25.3		7.7		26.2		93.6		6.6		12.3		8		92				<0.2		1.7	
IM11	Cloudy	Moderate	17:38	7.9	Surface	1.0	0.5	259	25.8	25.8	7.8	7.8	24.0	24.0	97.9	97.9	7.0	6.9	4.4	5.7	7	8	84	89	821512	810545	<0.2	<0.2	2.1	1.9
						1.0	0.5	278	25.8		7.8		24.0		97.8		7.0		4.4		5		85				<0.2		2.6	
					Middle	4.0	0.4	231	25.7	25.7	7.8	7.8	24.2	24.2	94.9	94.9	6.8		5.4		8		91				<0.2		1.8	
						4.0	0.4	250	25.7		7.8		24.2		94.8		6.7		5.5		8		91				<0.2		1.9	
					Bottom	6.9	0.3	228	25.4	25.4	7.7	7.7	25.2	25.2	93.0	93.0	6.6	6.6	7.3		9		92				<0.2		1.5	
						6.9	0.3	228	25.4		7.7		25.2		93.0		6.6		7.3		9		92				<0.2		1.5	
IM12	Cloudy	Moderate	17:47	6.6	Surface	1.0	0.5	269	25.9	25.9	7.8	7.8	23.9	23.9	98.1	98.1	7.0	6.9	4.4	12.0	6	7	85	89	821174	811527	<0.2	<0.2	1.7	1.6
						1.0	0.6	276	25.9		7.8		23.9		98.0		7.0		4.4		5		85				<0.2		1.7	
					Middle	3.3	0.5	264	25.7	25.7	7.8	7.8	24.4	24.4	94.8	94.8	6.7		6.1		6		91				<0.2		1.8	
						3.3	0.5	270	25.7		7.8		24.4		94.8		6.7		6.2		7		91				<0.2		1.7	
					Bottom	5.6	0.5	257	25.3	25.3	7.8	7.8	25.9	26.0	95.0	95.1	6.7	6.8	25.4		8		92				<0.2		1.2	
						5.6	0.5	266	25.3		7.8		26.0		95.1		6.8		25.4		9		92				<0.2		1.2	
SR2	Cloudy	Moderate	18:13	4.5	Surface	1.0	0.3	238	25.5	25.5	7.8	7.8	24.7	24.7	96.4	96.4	6.9	6.9	9.0	13.2	13	14	86	90	821476	814166	<0.2	<0.2	2.0	1.8
						1.0	0.3	260	25.5		7.8		24.7		96.3		6.9		9.1		14		86				<0.2		1.9	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	225	25.3	25.3	7.8	7.8	25.8	25.8	91.8	91.8	6.5	6.5	17.3		13		93				<0.2		1.4	
						3.5	0.3	240	25.3		7.8		25.8		91.8		6.5		17.3		15		93				<0.2		1.7	
SR3	Cloudy	Moderate	17:00	8.5	Surface	1.0	0.7	201	25.9	25.9	7.7	7.7	23.0	23.0	91.4	91.3	6.5	6.5	4.6	8.8	6	7	-	-	822147	807565	-	-	-	-
						1.0	0.7	202	25.9		7.7		23.0		91.2		6.5		4.6		4		-				-		-	
					Middle	4.3	0.6	198	25.8	25.8	7.7	7.7	23.5	23.5	89.4	89.5	6.4		6.0		6		-				-		-	
						4.3	0.6	216	25.8		7.7		23.4		89.5		6.4		6.1		5		-				-		-	
					Bottom	7.5	0.5	219	25.5	25.5	7.7	7.7	25.5	25.5	88.9	89.0	6.3	6.3	15.6		10		-				-		-	
						7.5	0.5	219	25.5		7.7		25.5		89.0		6.3		15.6		8		-				-		-	
SR4A	Fine	Calm	17:53	7.6	Surface	1.0	0.5	244	28.4	28.4	7.9	7.9	26.1	26.1	101.0	100.9	6.8	6.6	11.5	14.3	14	16	-	-	817185	807815	-	-	-	-
						1.0	0.6	266	28.4		7.9		26.0		100.7		6.8		11.4		13		-				-		-	
					Middle	3.8	0.5	252	28.2	28.2	7.9	7.9	27.3	27.4	94.8	94.8	6.4		14.3		16		-				-		-	
						3.8	0.5	263	28.2		7.9		27.4		94.8		6.3		14.4		15		-				-		-	
					Bottom	6.6	0.3	232	27.9	27.8	7.9	7.9	28.3	28.4	93.6	93.9	6.3	6.3	17.0		20		-				-		-	
						6.6	0.3	253	27.6		7.9		28.5		94.1		6.3		17.1		20		-				-		-	
SR5A	Fine	Calm	18:15	4.6	Surface	1.0	0.3	312	28.4	28.4	7.9	7.9	25.1	25.1	104.9	104.9	7.1	7.1	6.7	6.9	9	10	-	-	816588	810684	-	-	-	-
						1.0	0.3	315	28.4		7.9		25.1		104.9		7.1		6.8		10		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	311	28.4	28.4	7.9	7.9	25.2	25.2	105.2	105.2	7.1	7.1	7.1		10		-				-		-	
						3.6	0.3	314	28.4		7.9		25.1		105.2		7.1		6.9		11		-				-		-	
SR6	Fine	Calm	18:38	3.9	Surface	1.0	0.1	90	28.5	28.5	7.9	7.9	24.7	24.7	101.6	101.6	6.9	6.9	15.5	14.1	18	19	-	-	817916	814667	-	-	-	-
						1.0	0.1	98	28.5		7.9		24.7		101.6		6.9		15.8		18		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	70	28.5	28.6	7.9	7.9	24.7	24.7	103.5	103.5	7.0	7.0	12.5		20		-				-		-	
						2.9	0.2	75	28.6		7.9		24.7		103.4		7.0		12.6		20		-				-		-	
SR7	Cloudy	Moderate	19:21	16.8	Surface	1.0	0.2	146	25.2	25.2	7.9	7.9	27.9	27.9	95.5	95.5	6.7	6.6	5.5	7.6	6	10	-	-	823635	823748	-	-	-	-
						1.0	0.2	151	25.2		7.9		27.9		95.5		6.7		5.6		7		-				-		-	
					Middle	8.4	0.2	183	25.1	25.1	7.9	7.9	28.9	28.9	93.3	93.3	6.5		7.9		10		-				-		-	
						8.4	0.2	184	25.1		7.9		28.9		93.3		6.5		8.0		10		-				-		-	
					Bottom	15.8	0.2	101	25.1	25.1	7.8	7.8	29.3	29.3	93.3	93.3	6.5	6.5	9.3		14		-				-		-	
						15.8	0.3	104	25.1		7.8		29.3		93.3		6.5		9.3		14		-				-		-	
SR8	Cloudy	Moderate	17:55	4.7	Surface	1.0	0.4	251	25.8	25.8	7.8	7.8	23.5	23.5	106.5	106.5	7.6	7.6	4.6	6.9	5	7	-	-	820428	811591	-	-	-	-
						1.0	0.4	260	25.8		7.8		23.5		106.5		7.6		4.7		6		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.4	261	25.7	25.7	7.8	7.8	23.9	23.9	103.5	103.5	7.4	7.4	9.1		7		-				-		-	
						3.7	0.5	273	25.7		7.8		23.9		103.5		7.4		9.3		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 October 16 during Mid-Ebb tide

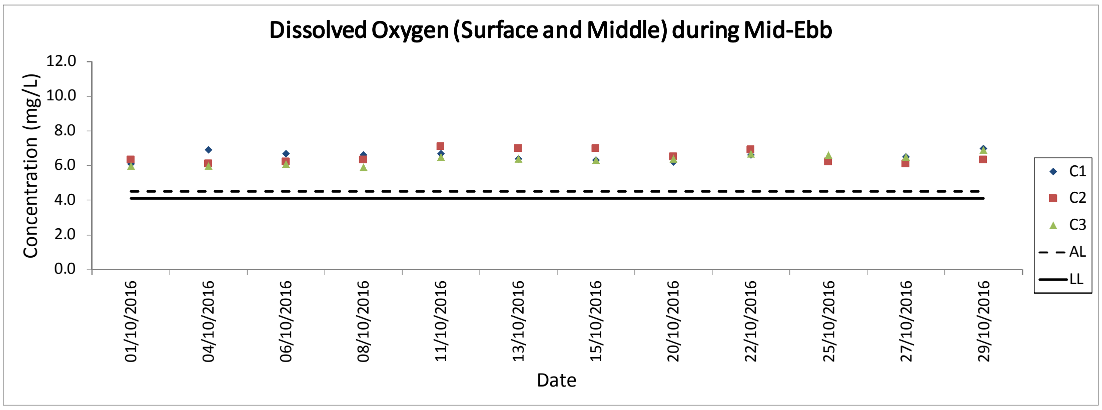
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Calm	11:35	8.6	Surface	1.0	0.6	226	28.3	28.3	7.9	7.9	25.5	25.6	105.6	105.6	7.1	7.0	5.0	5.7	9	10	83	86	815602	804263	<0.2	<0.2	1.7	1.4
						1.0	0.6	245	28.2		7.9		25.6		105.6		7.1		5.1		11		83				<0.2		1.8	
					Middle	4.3	0.5	229	28.0	28.1	7.9	7.9	26.9	26.8	102.2	102.1	6.9		5.9		9		85				<0.2		1.7	
						4.3	0.6	239	28.1		7.9		26.7		102.0		6.9		6.0		9		85				<0.2		1.5	
					Bottom	7.6	0.4	227	27.9	27.9	7.9	7.9	29.1	29.1	105.5	105.7	7.0	7.0	6.0		11		91				<0.2		0.9	
						7.6	0.5	229	27.9		7.9		29.1		105.8		7.0		6.0		11		90				<0.2		0.7	
C2	Cloudy	Moderate	13:28	10.9	Surface	1.0	0.8	178	25.9	25.9	7.7	7.7	22.3	22.3	89.5	89.6	6.4	6.3	5.3	9.5	6	9	82	88	825679	806958	<0.2	<0.2	3.0	2.9
						1.0	0.9	180	25.9		7.7		22.3		89.6		6.4		5.4		7		81				<0.2		3.0	
					Middle	5.5	0.6	178	25.3	25.3	7.7	7.7	25.9	25.9	86.4	86.5	6.1		10.5		10		89				<0.2		2.7	
						5.5	0.7	187	25.3		7.7		25.9		86.5		6.1		10.5		12		90				<0.2		3.1	
					Bottom	9.9	0.4	167	25.3	25.3	7.7	7.7	26.6	26.6	88.1	88.1	6.2	6.2	12.5		11		91				<0.2		2.8	
						9.9	0.4	169	25.3		7.7		26.6		88.1		6.2		12.5		10		92				<0.2		2.8	
C3	Cloudy	Moderate	11:11	11.3	Surface	1.0	0.4	147	25.4	25.4	7.8	7.8	25.5	25.5	96.9	96.8	6.9	6.9	3.5	4.0	6	8	87	91	822115	817807	<0.2	<0.2	1.4	1.7
						1.0	0.4	149	25.4		7.8		25.5		96.7		6.9		3.5		8		86				<0.2		1.4	
					Middle	5.7	0.4	138	25.2	25.2	7.8	7.8	26.5	26.5	95.6	95.6	6.8		3.7		7		91				<0.2		1.8	
						5.7	0.4	138	25.2		7.8		26.5		95.6		6.8		3.7		8		93				<0.2		1.6	
					Bottom	10.3	0.3	169	25.2	25.2	7.7	7.7	27.6	27.6	98.2	98.3	6.9	6.9	4.8		9		93				<0.2		1.9	
						10.3	0.4	182	25.2		7.7		27.6		98.3		6.9		4.8		8		93				<0.2		1.8	
IM1	Fine	Calm	12:02	7.1	Surface	1.0	0.5	197	28.2	28.3	7.9	7.9	25.0	25.0	99.2	99.1	6.7	6.6	5.6	8.4	9	13	83	86	818365	806461	<0.2	<0.2	1.9	1.2
						1.0	0.6	206	28.4		7.9		24.9		99.0		6.7		5.6		8		83				<0.2		1.7	
					Middle	3.6	0.4	202	28.1	28.0	7.9	7.9	26.8	26.9	96.9	97.2	6.5		9.3		13		85				<0.2		0.9	
						3.6	0.4	203	27.8		7.9		27.0		97.4		6.6		9.4		14		86				<0.2		0.9	
					Bottom	6.1	0.4	203	28.0	28.0	7.9	7.9	27.9	28.0	99.0	99.1	6.6	6.6	10.2		17		89				<0.2		0.9	
						6.1	0.4	203	28.0		7.9		28.0		99.1		6.6		10.3		18		90				<0.2		0.8	
IM2	Fine	Calm	12:00	8.1	Surface	1.0	0.6	215	28.5	28.5	7.9	7.9	23.7	23.8	104.6	104.6	7.1	6.9	4.1	5.8	6	9	83	86	818871	806202	<0.2	<0.2	2.5	1.6
						1.0	0.6	231	28.4		7.9		23.8		104.6		7.1		4.2		5		84				<0.2		2.3	
					Middle	4.1	0.5	205	28.2	28.2	7.9	7.9	26.0	26.0	99.1	99.2	6.7		6.6		9		86				<0.2		1.5	
						4.1	0.5	223	28.2		7.9		26.0		99.2		6.7		6.7		10		87				<0.2		1.6	
					Bottom	7.1	0.4	214	27.6	27.8	7.9	7.9	28.4	28.2	103.7	103.5	7.0	7.0	6.7		11		89				<0.2		1.0	
						7.1	0.4	235	28.0		7.9		27.9		103.3		6.9		6.4		11		89				<0.2		0.8	
IM3	Fine	Calm	12:17	8.0	Surface	1.0	0.4	213	28.5	28.5	7.9	7.9	23.3	23.3	108.4	108.4	7.4	7.0	3.7	7.1	6	10	85	89	819423	806037	<0.2	<0.2	2.4	1.7
						1.0	0.5	227	28.5		7.9		23.3		108.3		7.4		3.7		5		86				<0.2		2.6	
					Middle	4.0	0.5	186	28.1	28.1	7.9	7.9	25.7	25.7	98.0	97.9	6.6		7.7		7		89				<0.2		1.5	
						4.0	0.5	203	28.1		7.9		25.7		97.8		6.6		7.9		9		89				<0.2		1.4	
					Bottom	7.0	0.3	191	27.6	27.8	7.9	7.9	27.7	27.6	99.3	99.1	6.7	6.7	9.8		16		91				<0.2		1.0	
						7.0	0.3	197	28.0		7.9		27.4		98.9		6.6		9.6		16		92				<0.2		1.2	
IM4	Fine	Calm	12:24	7.7	Surface	1.0	0.5	219	28.6	28.6	7.8	7.9	23.0	23.0	102.1	102.1	7.0	6.8	4.0	9.4	9	11	83	88	819551	805051	<0.2	<0.2	2.5	1.8
						1.0	0.6	229	28.6		7.9		23.0		102.0		7.0		4.0		8		85				<0.2		2.6	
					Middle	3.9	0.5	197	28.4	28.4	7.9	7.9	24.8	24.8	96.2	96.2	6.5		9.0		9		88				<0.2		1.7	
						3.9	0.5	211	28.4		7.9		24.8		96.2		6.5		9.2		11		89				<0.2		1.7	
					Bottom	6.7	0.4	184	27.9	27.8	7.9	7.9	27.8	27.9	97.7	98.1	6.6	6.6	15.2		15		91				<0.2		1.2	
						6.7	0.5	185	27.6		7.9		28.0		98.4		6.6		15.0		16		92				<0.2		1.0	
IM5	Fine	Calm	12:33	6.2	Surface	1.0	0.6	215	28.4	28.4	7.8	7.8	23.9	23.9	95.7	95.7	6.5	6.5	6.1	7.7	9	11	82	86	820553	804914	<0.2	<0.2	2.3	1.8
						1.0	0.6	228	28.4		7.8		23.9		95.6		6.5		6.0		9		83				<0.2		2.2	
					Middle	3.1	0.6	207	28.3	28.3	7.8	7.8	24.5	24.5	95.6	95.7	6.5		7.6		11		86				<0.2		2.0	
						3.1	0.6	226	28.3		7.8		24.5		95.7		6.5		7.7		11		86				<0.2		1.9	
					Bottom	5.2	0.5	190	27.9	27.9	7.9	7.9	27.3	27.3	95.2	95.2	6.4	6.4	9.5		12		89				<0.2		1.3	
						5.2	0.6	195	27.9		7.9		27.3		95.2		6.4		9.5		11		89				<0.2		1.2	
IM6	Fine	Calm	12:43	6.3	Surface	1.0	0.6	217	28.5	28.5	7.8	7.8	23.4	23.4	95.0	95.0	6.5	6.5	4.7	8.9	7	14	83	87	821052	805810	<0.2	<0.2	2.4	2.0
						1.0	0.6	232	28.5		7.8		23.4		94.9		6.5		4.7		6		84				<0.2		2.5	
					Middle	3.2	0.6	211	28.5	28.5	7.8	7.8	23.5	23.5	93.5	93.5	6.4		8.0		9		86				<0.2		2.3	
						3.2	0.6	223	28.5		7.8		23.5		93.5		6.4		8.3		9		89				<0.2		2.2	
					Bottom	5.3	0.6	192	28.0	28.0	7.9	7.9	26.8	26.7	93.6	93.5	6.3	6.3	13.9		25		90				<0.2		1.2	
						5.3	0.6	210	28.0		7.9		26.6		93.4		6.3		13.8		26		90				<0.2		1.3	
IM7	Fine	Calm	12:51	7.7	Surface	1.0	0.5	210	28.4	28.4	7.8	7.8	23.0	23.0	89.8	89.8	6.1	6.1	6.7	9.2	7	13	82	87	821365	806816	<0.2	<0.2	2.7	2.1
						1.0	0.6	222	28.4		7.8		23.0		89.7		6.1		6.6		8		84				<0.2		2.5	
					Middle	3.9	0.4	205	28.2	28.2	7.8	7.8	25.0	25.0	90.2	90.3	6.1		9.7		11		86				<0.2		2.2	
						3.9	0.4	212	28.2		7.8		24.9		90.3		6.1		9.8		11		87				<0.2		2.2	
					Bottom	6.7	0.4	192	28.1	28.1	7.8	7.8	26.2	26.2	93.4	93.5	6.3	6.3	11.2		20		91				<0.2		1.5	
						6.7	0.4	207	28.1		7.8		26.2		93.5		6.3		11.2		21		91				<0.2		1.6	
IM8	Cloudy	Moderate	12:42	8.0	Surface	1.0	0.5	179	25.6	25.6	7.7	7.7	22.2	22.2	91.4	91.4	6.6	6.5	4.6	9.5	4	8	82	88	821707	807836	<0.2	<0.2	3.0	2.5
						1.0	0.6	195	25.6		7.7		22.2		91.3		6.6		4.6		5		82				<0.2		3.1	
					Middle	4.0	0.4	176	25.5	25.5	7.7	7.7	22.8	22.8	89.4	89.4	6.4		6.8		4		89				<0.2		2.9	
						4.0	0.4	185	25.5		7.7		22.8		89.4		6.4		6.9		6		90				<0.2		2.9	
					Bottom	7.0	0.3	152	25.2	25.2	7.7	7.7	25.3	25.3	93.3	93.3	6.7	6.7	16.9		12		92				<0.2		1.4	
						7.0	0.3	164	25.2		7.7		25.3		93.3		6.7		16.9		14		92				<0.2		1.5	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>

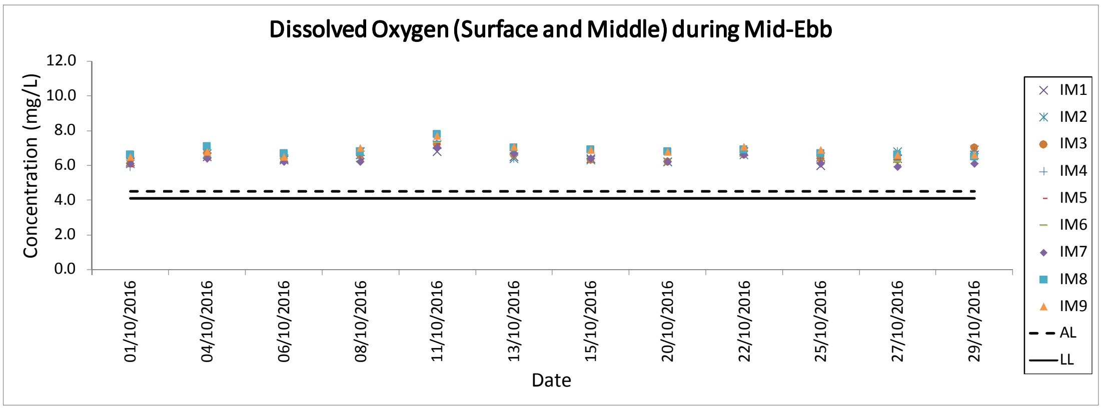
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 October 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L) Value	Chromium (μg/L) DA	Nickel (μg/L) Value	Nickel (μg/L) DA
IM9	Cloudy	Moderate	12:32	7.1	Surface	1.0	0.5	146	25.8	25.8	7.7	7.7	22.2	22.2	91.6	91.6	6.6	6.6	4.8	11.1	5	10	83	88	822087	808828	<0.2	<0.2	2.0	2.0
						1.0	0.5	146	25.8		7.7		22.2		91.5		6.6		4.9		4		83				<0.2		1.8	
					Middle	3.6	0.4	138	25.4	25.4	7.7	7.7	23.8	23.8	91.0	91.1	6.5		9.6		12		90				<0.2		2.2	
						3.6	0.5	142	25.4		7.7		23.8		91.1		6.5		9.7		14		90				<0.2		2.4	
					Bottom	6.1	0.4	103	25.1	25.1	7.8	7.8	26.1	26.1	96.9	96.9	6.9	6.9	18.8		12		92				<0.2		1.6	
						6.1	0.4	109	25.1		7.8		26.1		96.9		6.9		18.8		12		92				<0.2		1.7	
IM10	Rainy	Moderate	12:23	7.6	Surface	1.0	0.6	133	25.7	25.7	7.7	7.7	22.2	22.2	92.3	92.3	6.6	6.5	6.1	15.7	6	8	83	88	822232	809855	<0.2	<0.2	2.9	2.8
						1.0	0.6	135	25.7		7.7		22.2		92.3		6.6		6.3		6		83				<0.2		2.8	
					Middle	3.8	0.4	121	25.3	25.3	7.8	7.8	24.9	24.9	90.2	90.2	6.4		12.4		7		89				<0.2		3.0	
						3.8	0.5	128	25.3		7.8		24.8		90.2		6.5		12.4		6		90				<0.2		2.8	
					Bottom	6.6	0.3	137	25.1	25.1	7.8	7.8	26.2	26.2	93.5	93.5	6.7	6.7	28.4		11		92				<0.2		2.5	
						6.6	0.3	142	25.1		7.8		26.2		93.5		6.7		28.3		10		92				<0.2		2.9	
IM11	Cloudy	Moderate	12:12	7.2	Surface	1.0	0.6	102	25.6	25.6	7.8	7.8	22.5	22.5	101.0	101.0	7.3	7.2	4.5	13.1	5	6	84	89	821492	810527	<0.2	<0.2	2.5	2.6
						1.0	0.7	102	25.6		7.8		22.5		101.0		7.3		4.5		4		84				<0.2		2.6	
					Middle	3.6	0.6	98	25.4	25.4	7.8	7.8	23.7	23.7	97.7	97.8	7.0		8.5		6		91				<0.2		2.5	
						3.6	0.6	101	25.4		7.8		23.7		97.8		7.0		8.6		6		90				<0.2		2.8	
					Bottom	6.2	0.5	93	25.2	25.2	7.8	7.8	25.8	25.8	98.2	98.3	7.0	7.0	26.3		8		92				<0.2		2.7	
						6.2	0.5	97	25.2		7.8		25.8		98.3		7.0		26.2		6		92				<0.2		2.4	
IM12	Cloudy	Moderate	12:03	9.1	Surface	1.0	0.5	107	25.5	25.5	7.8	7.8	23.6	23.6	100.4	100.4	7.2	7.2	5.7	8.9	6	8	85	89	821159	811508	<0.2	<0.2	2.7	2.2
						1.0	0.5	109	25.5		7.8		23.6		100.4		7.2		5.7		6		84				<0.2		2.5	
					Middle	4.6	0.5	102	25.5	25.5	7.8	7.8	23.6	23.6	99.1	99.1	7.1		7.5		9		90				<0.2		2.5	
						4.6	0.5	105	25.5		7.8		23.6		99.0		7.1		7.6		8		91				<0.2		2.4	
					Bottom	8.1	0.4	110	25.3	25.3	7.7	7.7	25.5	25.5	98.7	98.8	7.0	7.0	13.4		9		93				<0.2		1.5	
						8.1	0.4	117	25.3		7.7		25.5		98.8		7.0		13.4		7		92				<0.2		1.6	
SR2	Cloudy	Moderate	11:40	5.2	Surface	1.0	0.5	96	25.5	25.5	7.7	7.7	23.7	23.7	97.2	97.2	7.0	7.0	5.5	8.5	7	8	86	89	821482	814183	<0.2	<0.2	2.2	1.9
						1.0	0.5	105	25.5		7.7		23.7		97.2		7.0		5.6		8		85				<0.2		1.9	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	104	25.3	25.3	7.7	7.7	25.7	25.7	97.4	97.5	6.9	6.9	11.4		7		93				<0.2		1.8	
						4.2	0.3	111	25.3		7.7		25.7		97.5		6.9		11.4		8		93				<0.2		1.7	
SR3	Rainy	Moderate	12:51	8.3	Surface	1.0	0.5	183	25.6	25.6	7.7	7.7	22.1	22.2	91.9	91.7	6.6	6.6	7.0	11.2	3	5	-	-	822137	807560	-	-	-	-
						1.0	0.6	187	25.6		7.7		22.2		91.4		6.6		7.5		4		-				-		-	
					Middle	4.2	0.5	181	25.3	25.3	7.8	7.8	24.4	24.4	92.2	92.3	6.6		11.4		4		-				-		-	
						4.2	0.5	185	25.3		7.8		24.4		92.3		6.6		11.5		5		-				-		-	
					Bottom	7.3	0.3	176	25.1	25.1	7.8	7.8	26.8	26.8	96.1	96.1	6.8	6.8	15.0		8		-				-		-	
						7.3	0.3	181	25.1		7.8		26.8		96.1		6.8		15.0		8		-				-		-	
SR4A	Fine	Calm	11:14	8.5	Surface	1.0	0.4	160	28.0	28.0	7.9	7.9	26.2	26.2	99.1	99.1	6.7	6.6	10.2	12.2	14	18	-	-	817179	807793	-	-	-	-
						1.0	0.4	160	28.0		7.9		26.2		99.0		6.7		10.3		15		-				-		-	
					Middle	4.3	0.3	144	27.8	27.8	7.8	7.8	27.5	27.5	97.1	97.1	6.5		12.7		17		-				-		-	
						4.3	0.4	145	27.8		7.8		27.5		97.1		6.5		12.8		18		-				-		-	
					Bottom	7.5	0.3	152	27.8	27.8	7.8	7.8	28.1	28.1	98.0	98.3	6.6	6.6	13.5		22		-				-		-	
						7.5	0.3	165	27.8		7.8		28.1		98.6		6.6		13.4		21		-				-		-	
SR5A	Fine	Calm	10:57	3.4	Surface	1.0	0.2	178	28.3	28.3	7.8	7.8	25.0	25.0	101.8	101.8	6.9	6.9	8.4	11.3	10	14	-	-	816605	810712	-	-	-	-
						1.0	0.2	179	28.3		7.8		24.9		101.7		6.9		8.3		10		-				-		-	
					Middle	1.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.2	187	28.1	28.3	7.8	7.8	25.1	25.0	100.6	100.3	6.8	6.8	14.2		17		-				-		-	
						2.4	0.2	192	28.4		7.8		24.8		100.0		6.8		14.3		18		-				-		-	
SR6	Fine	Calm	10:32	4.3	Surface	1.0	0.2	175	28.2	28.2	7.7	7.7	24.0	24.1	100.5	100.5	6.9	6.9	3.5	3.9	6	9	-	-	817911	814656	-	-	-	-
						1.0	0.2	176	28.2		7.7		24.1		100.5		6.9		3.6		6		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	173	28.2	28.2	7.7	7.7	24.5	24.5	100.8	101.6	6.9	7.0	4.1		11		-				-		-	
						3.3	0.2	185	28.2		7.7		24.4		102.3		7.0		4.3		11		-				-		-	
SR7	Rainy	Moderate	10:32	17.2	Surface	1.0	0.2	123	25.3	25.3	7.7	7.7	26.3	26.3	95.6	95.6	6.8	6.7	4.3	5.3	7	10	-	-	823638	823756	-	-	-	-
						1.0	0.2	130	25.3		7.7		26.3		95.5		6.8		4.3		8		-				-		-	
					Middle	8.6	0.3	201	25.1	25.1	7.7	7.7	27.4	27.4	93.0	93.0	6.6		5.2		10		-				-		-	
						8.6	0.3	213	25.1		7.7		27.4		93.0		6.6		5.2		11		-				-		-	
					Bottom	16.2	0.3	205	25.1	25.1	7.7	7.7	27.8	27.8	93.4	93.4	6.6	6.6	6.4		12		-				-		-	
						16.2	0.4	208	25.1		7.7		27.8		93.4		6.6		6.4		12		-				-		-	
SR8	Cloudy	Moderate	11:56	5.3	Surface	1.0	0.3	178	25.7	25.7	7.7	7.7	23.3	23.3	98.8	98.8	7.1	7.1	6.9	6.4	12	12	-	-	820428	811581	-	-	-	-
						1.0	0.3	189	25.7		7.7		23.3		98.8		7.1		7.0		11		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	195	25.7	25.7	7.7	7.7	24.0	24.0	102.0	102.0	7.3	7.3	5.8		13		-				-		-	
						4.3	0.2	204	25.7		7.7		24.0		102.0		7.3		5.8		11		-				-		-	

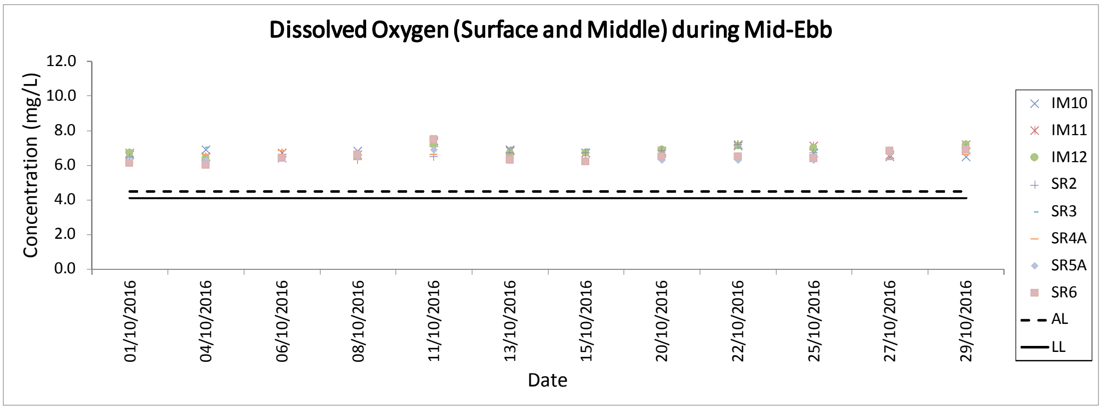
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>



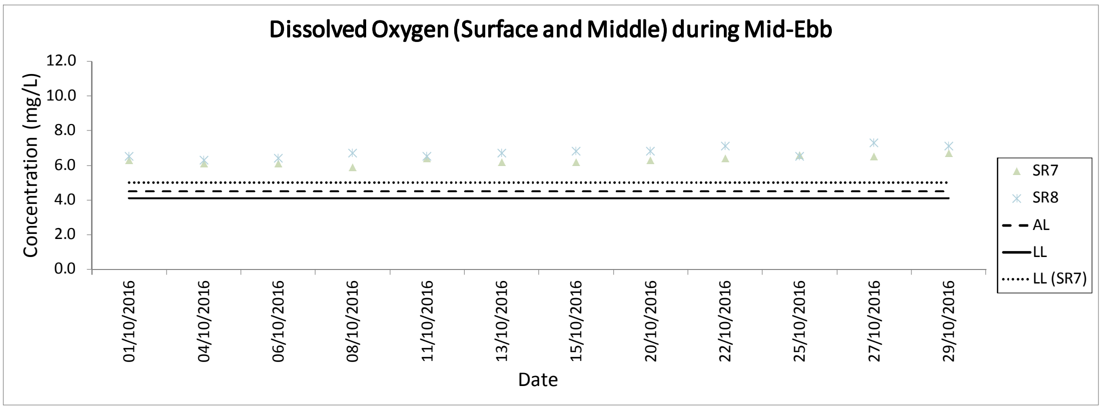
Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
C1
C2
C3
AL
LL



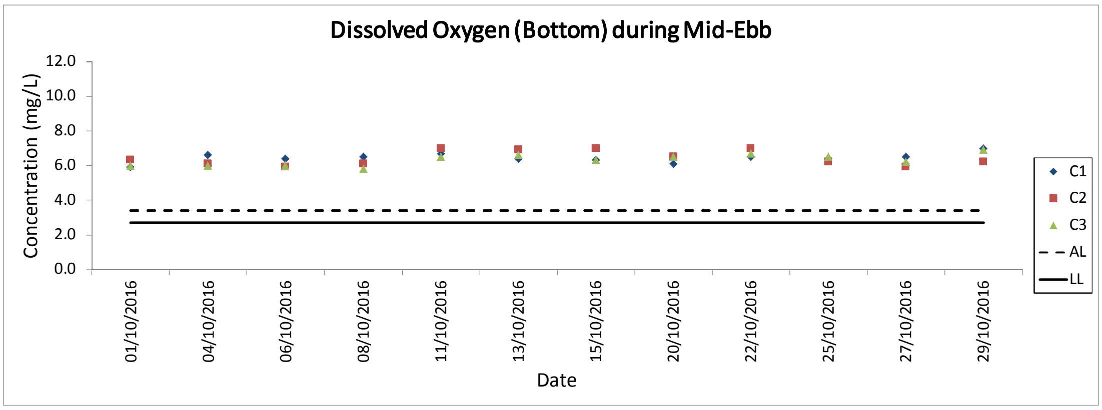
Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL

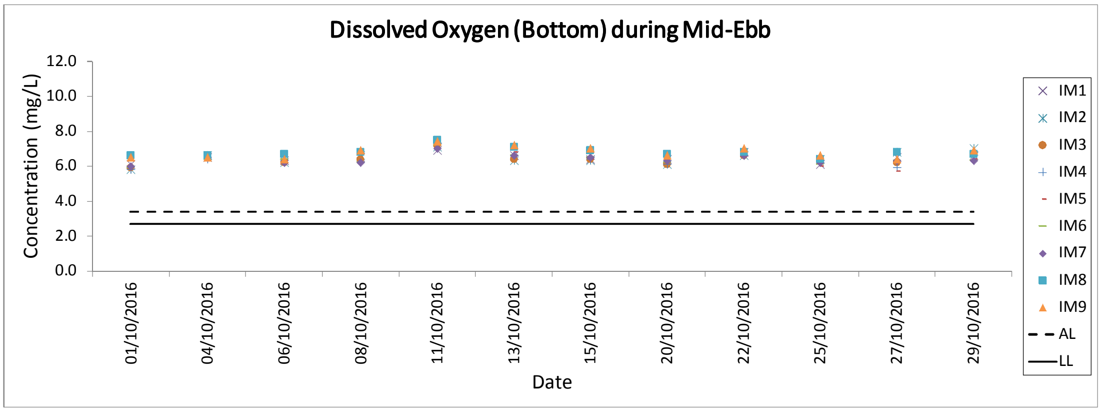


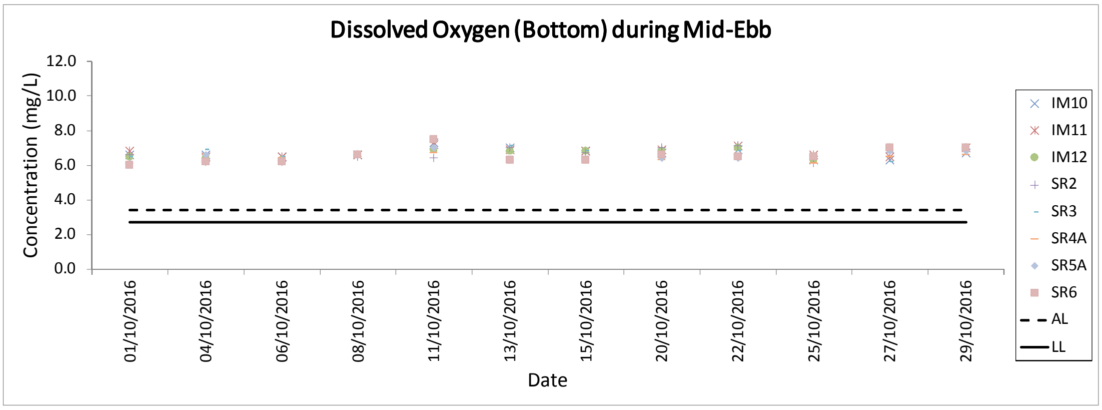
Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL



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
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
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
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
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
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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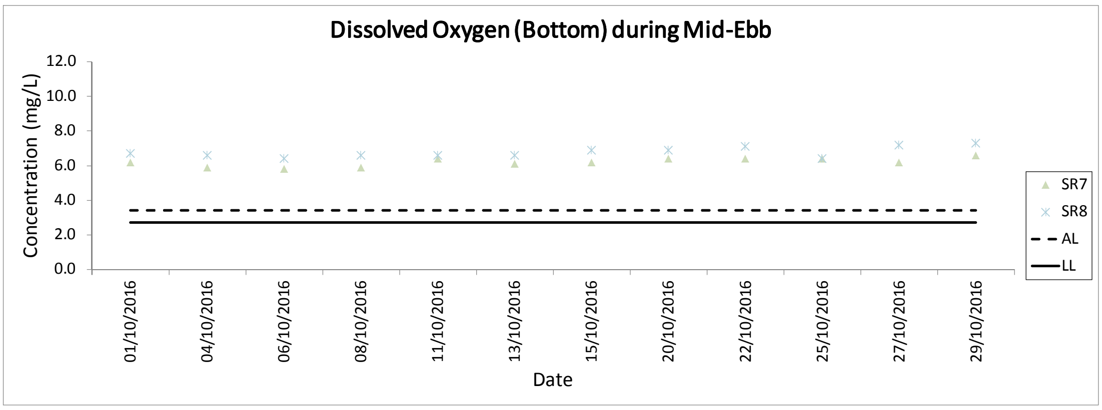
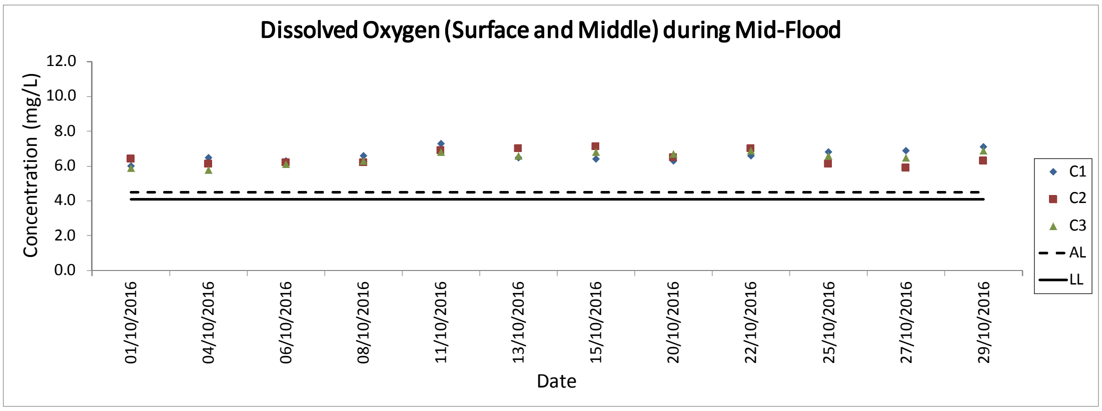
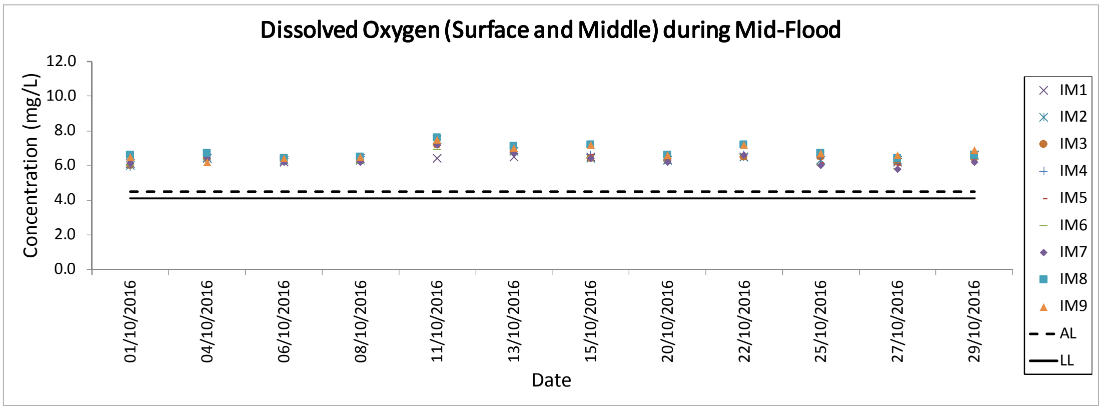
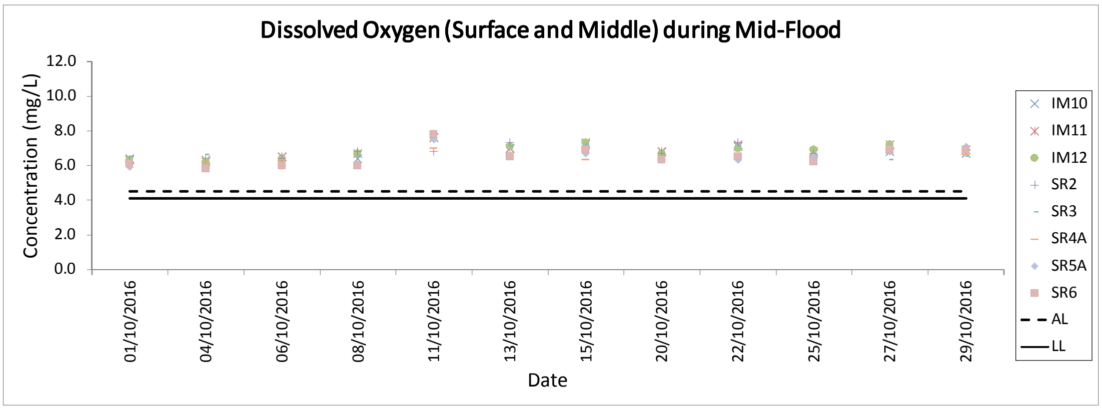
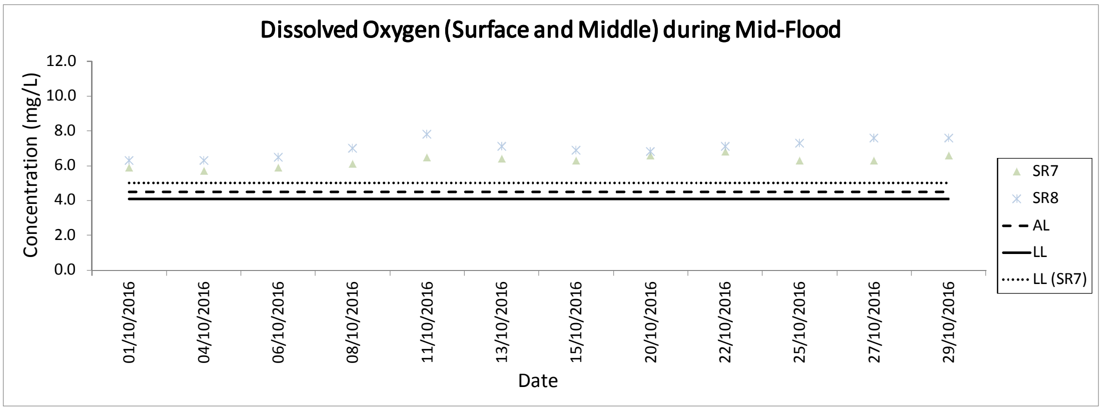
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL

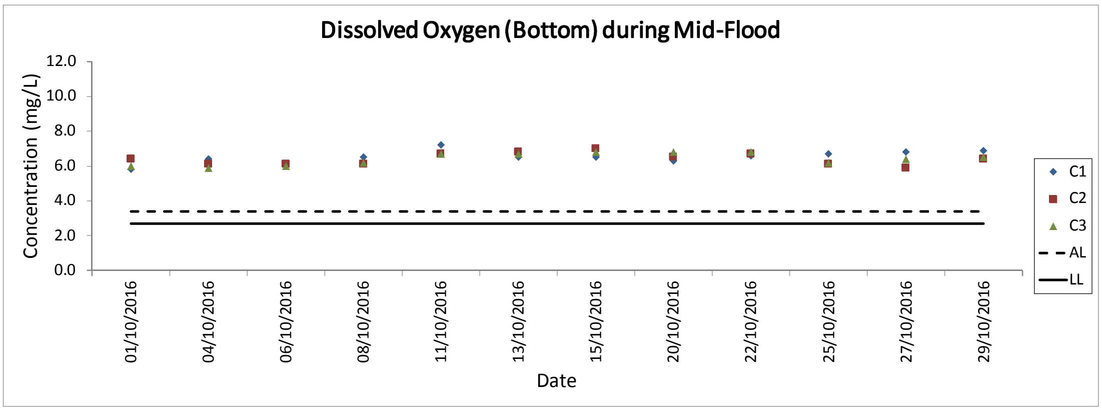

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
SR7
SR8
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
C1
C2
C3
AL
LL

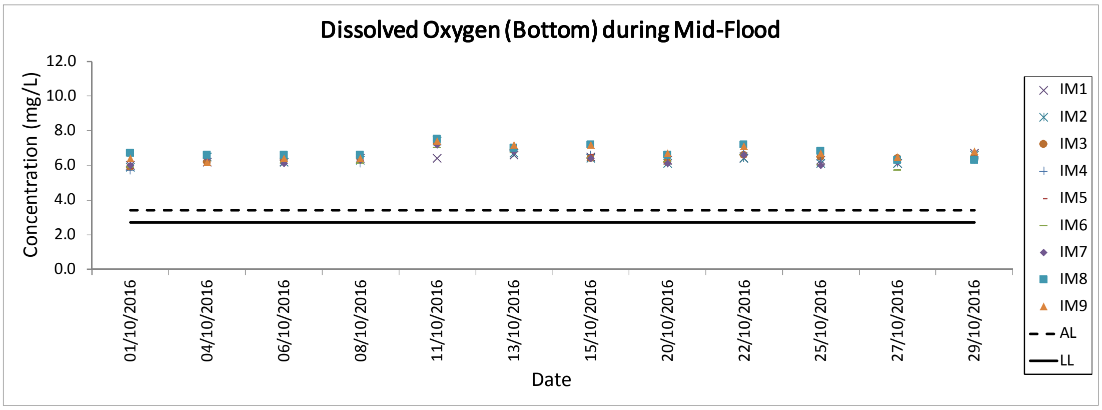

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL


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
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL

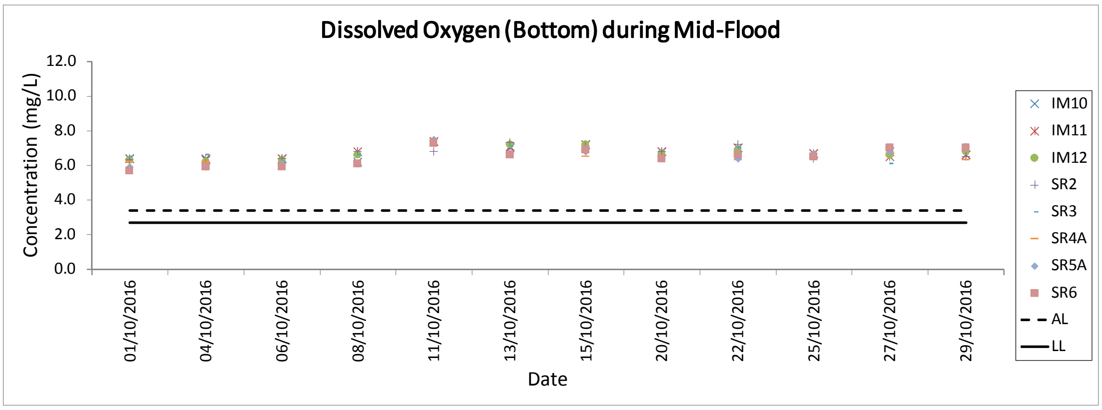

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
SR7
SR8
AL
LL
LL (SR7)



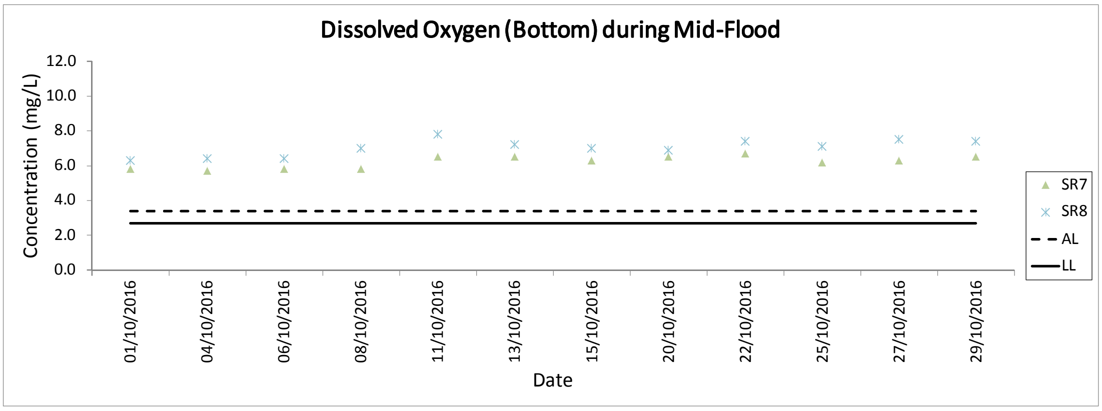
Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
C1
C2
C3
AL
LL



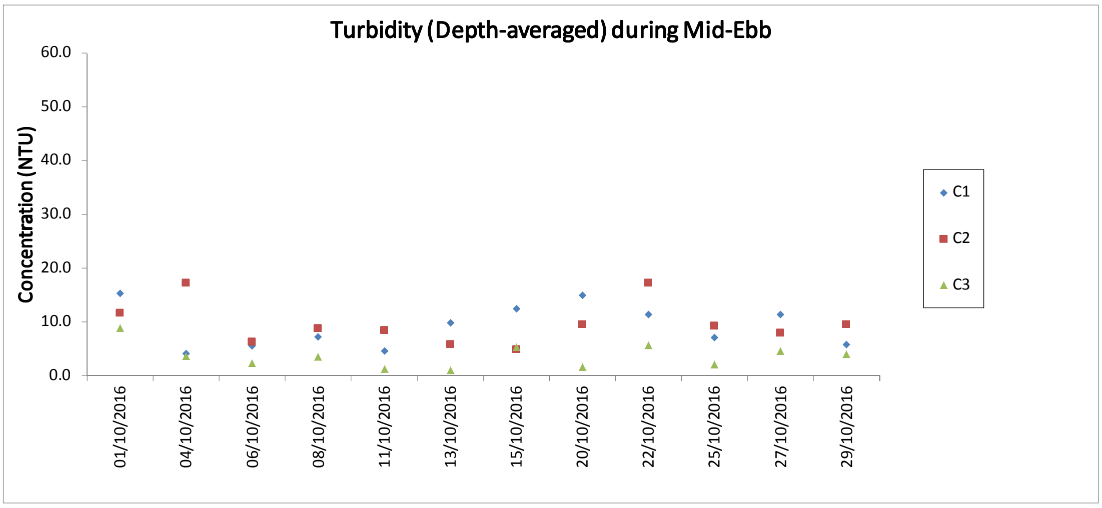
Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM1
IM2
IM3
IM4
IM5
IM6
IM7
IM8
IM9
AL
LL

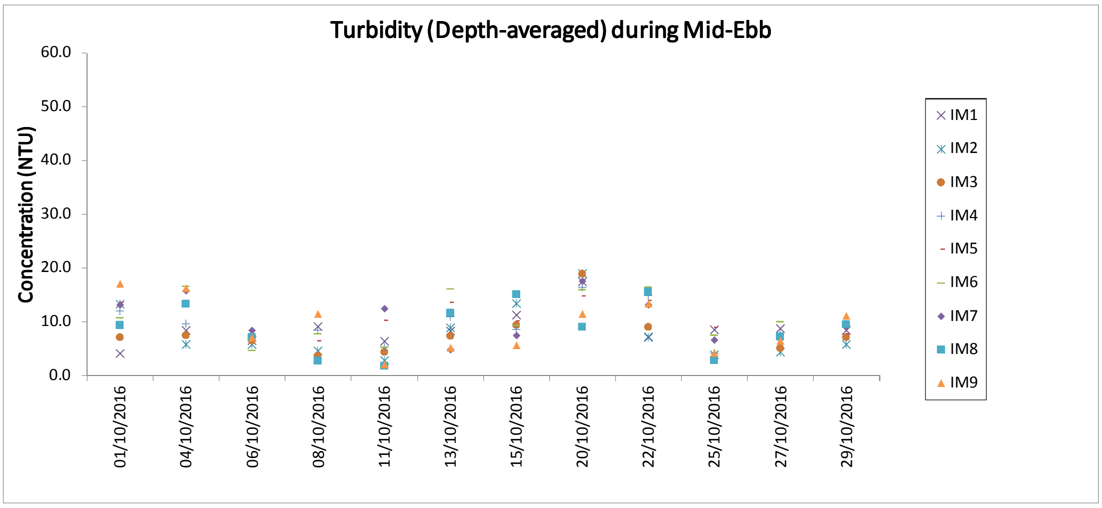


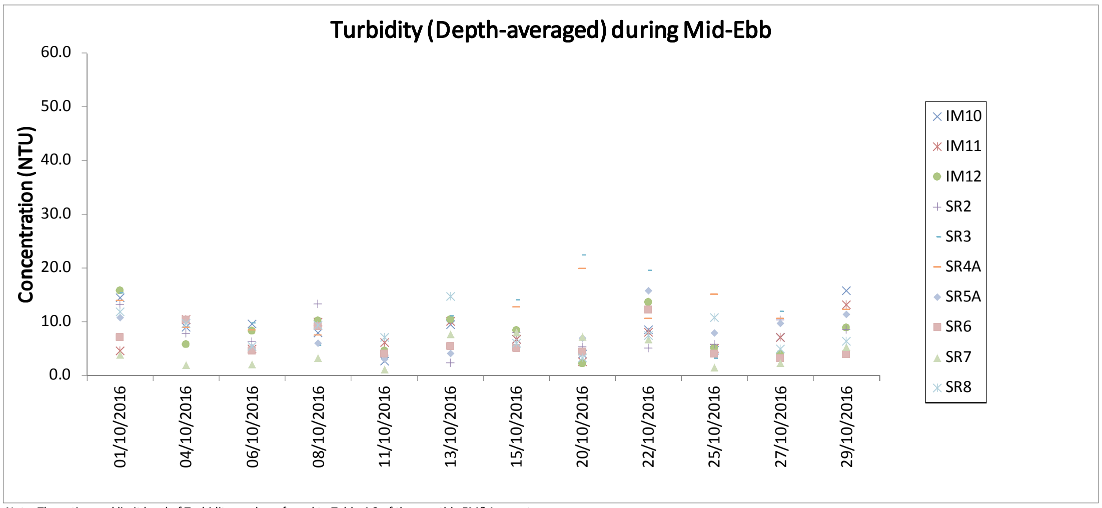
Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
IM10
IM11
IM12
SR2
SR3
SR4A
SR5A
SR6
AL
LL



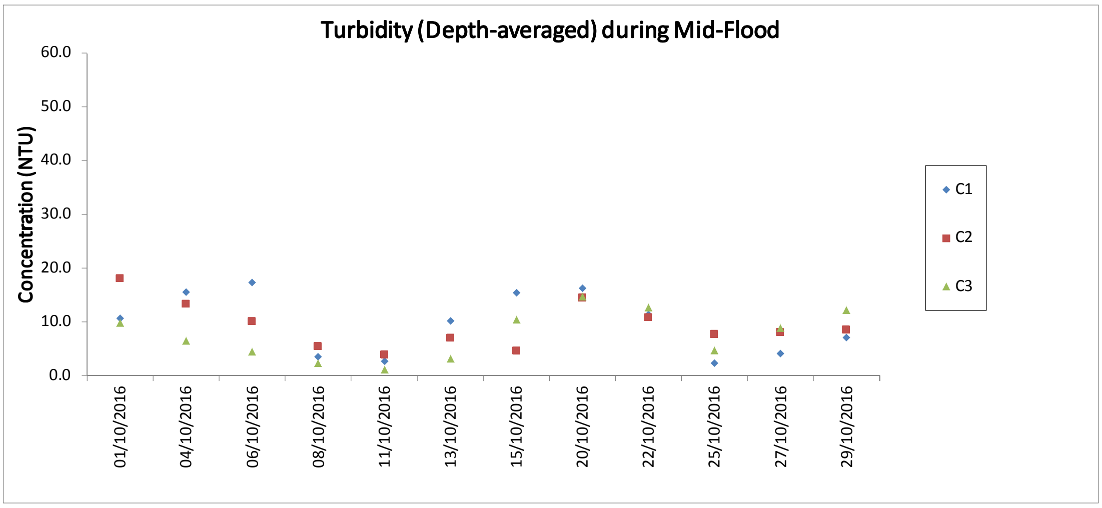
Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2016
04/10/2016
06/10/2016
08/10/2016
11/10/2016
13/10/2016
15/10/2016
20/10/2016
22/10/2016
25/10/2016
27/10/2016
29/10/2016
Date
SR7
SR8
AL
LL

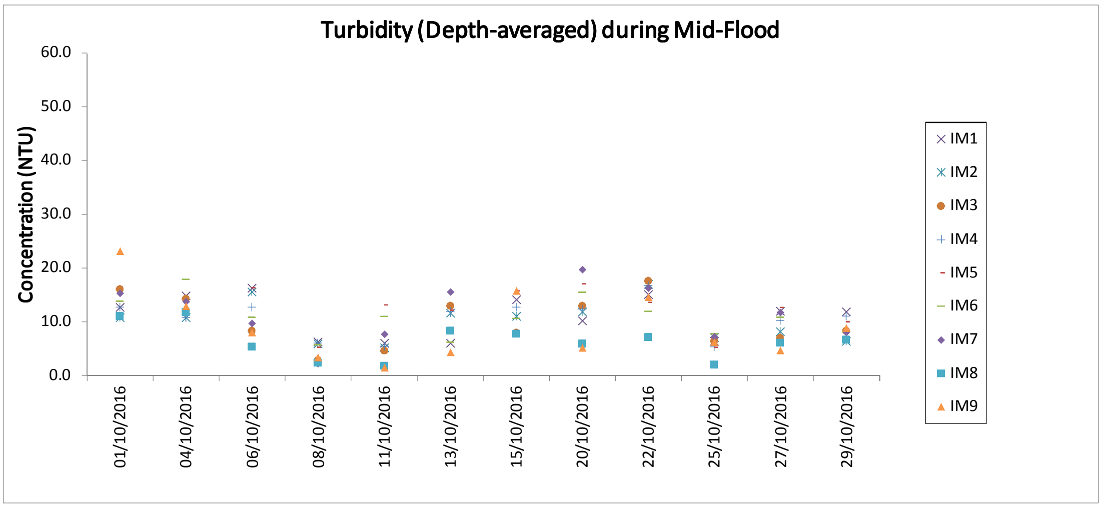


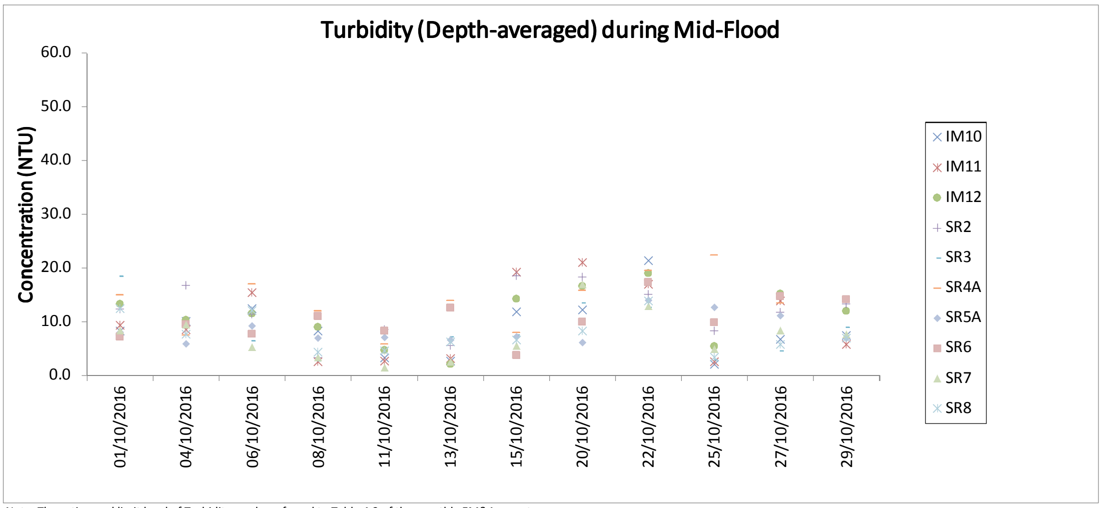




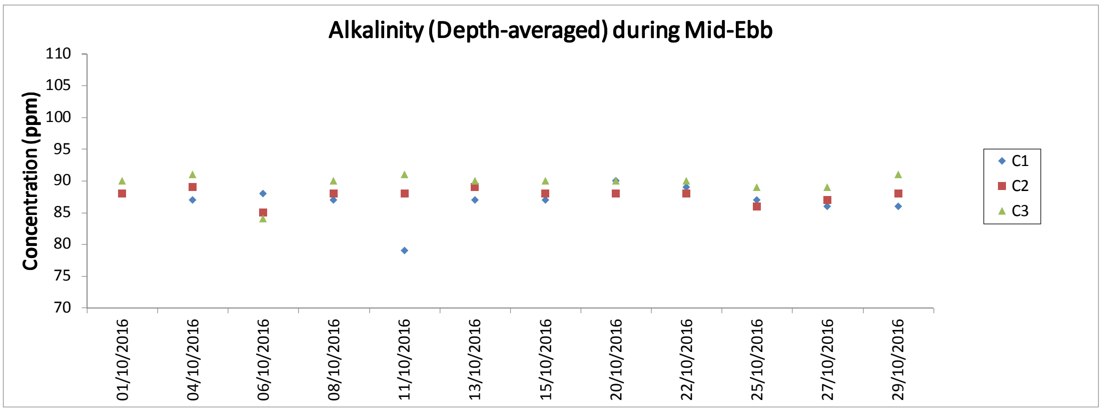
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

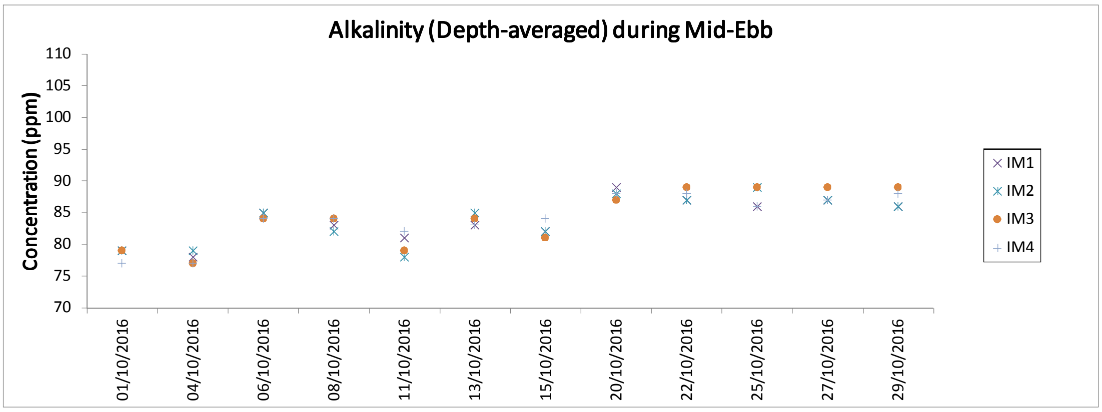


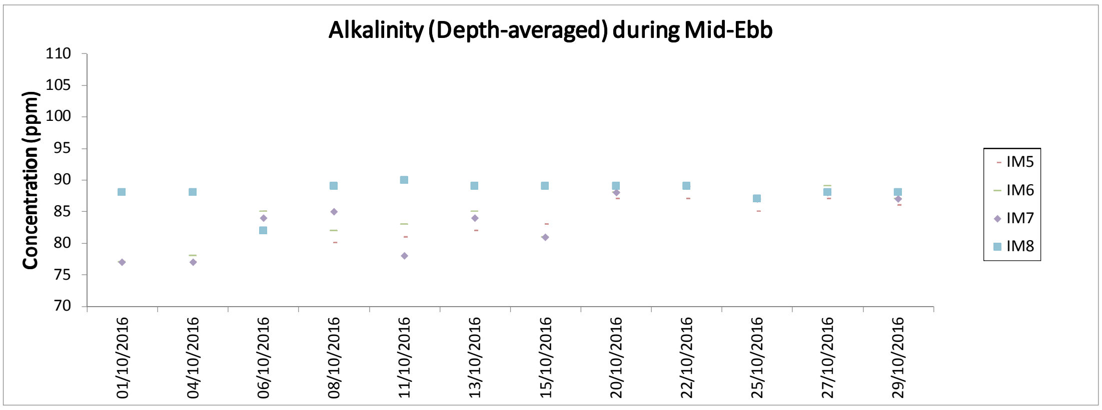


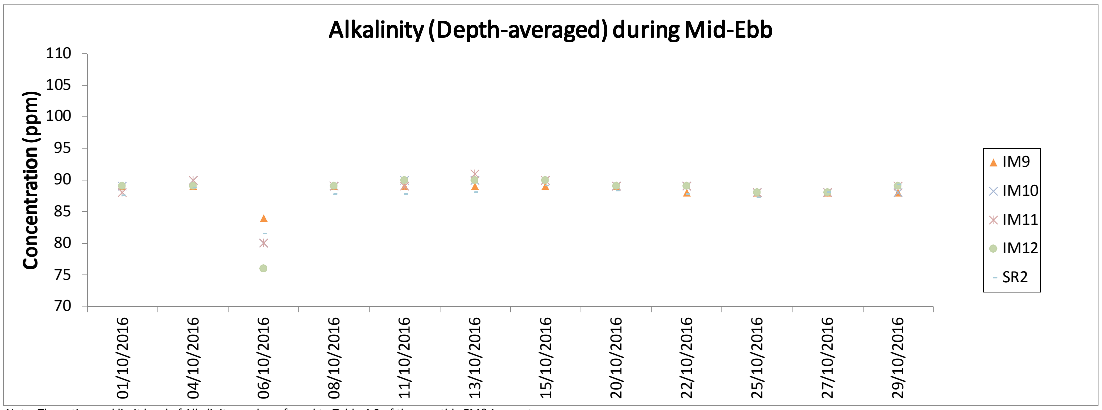


Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

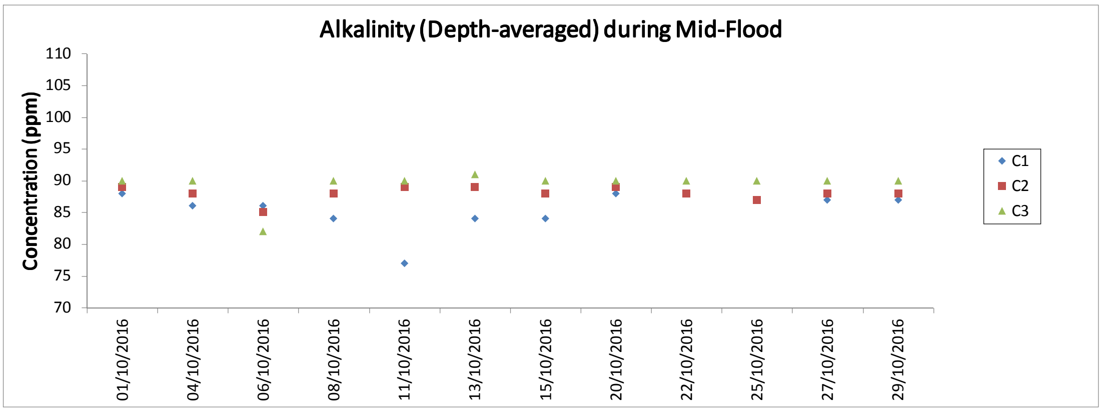


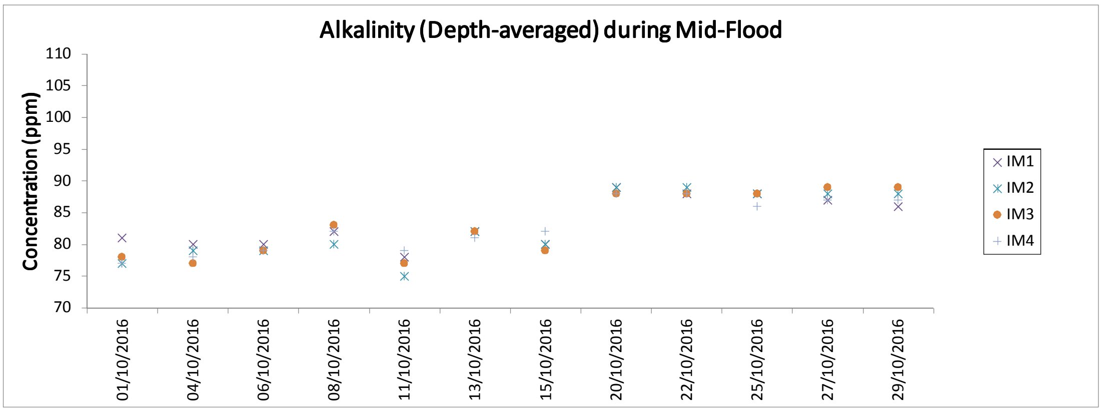


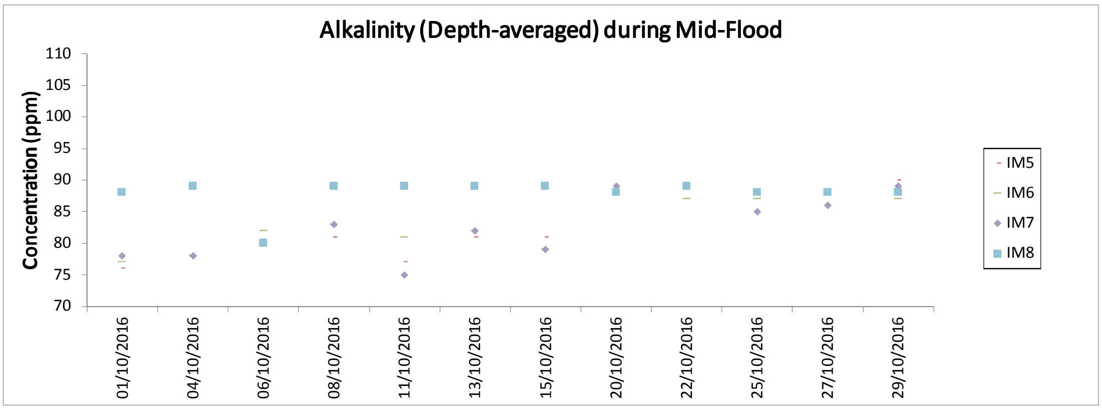


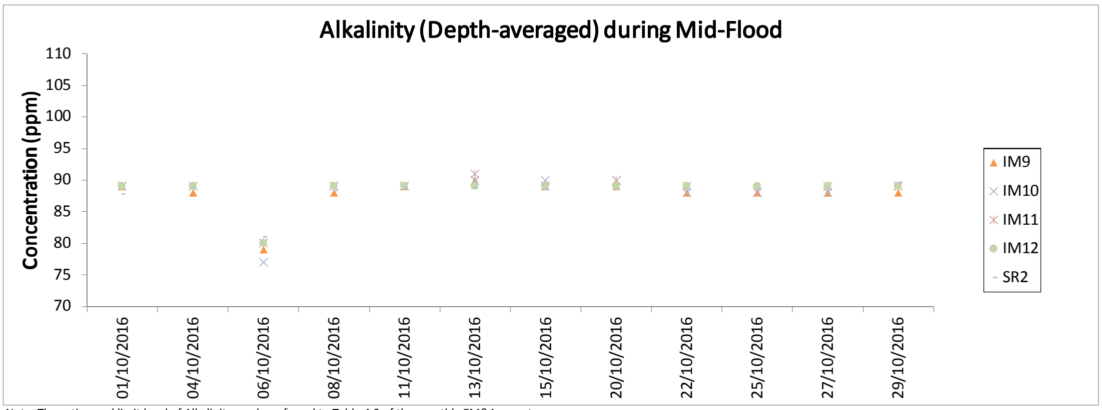


Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.

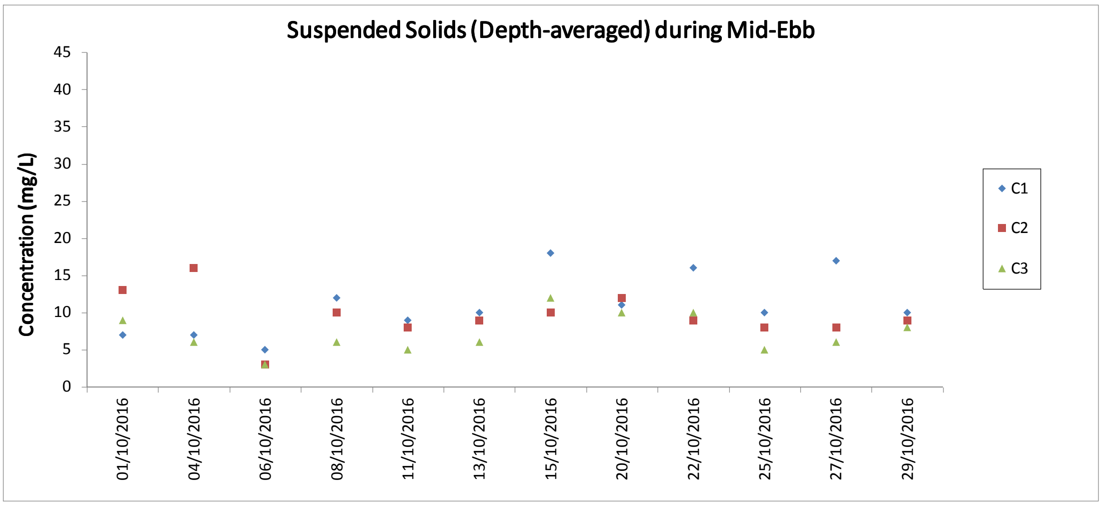


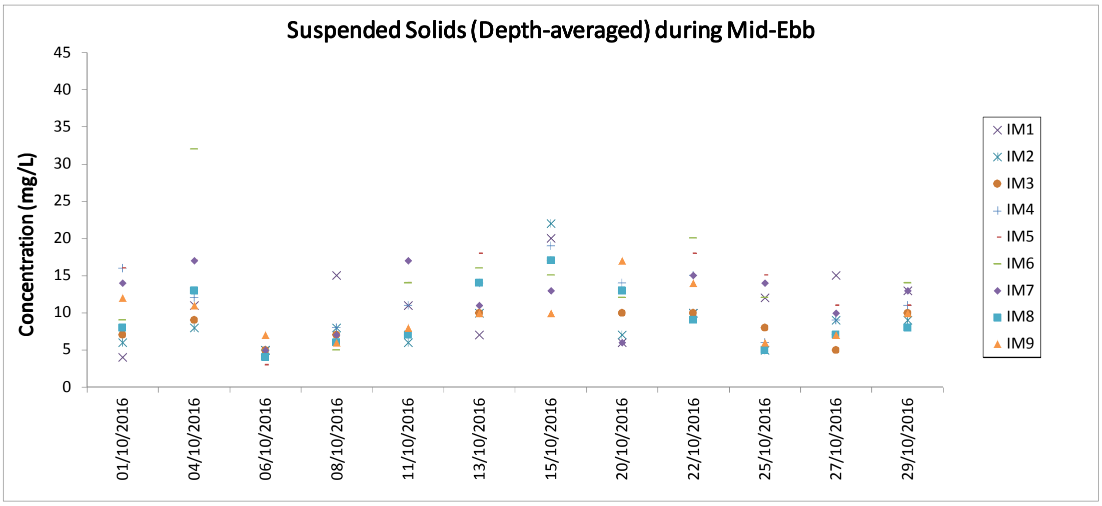


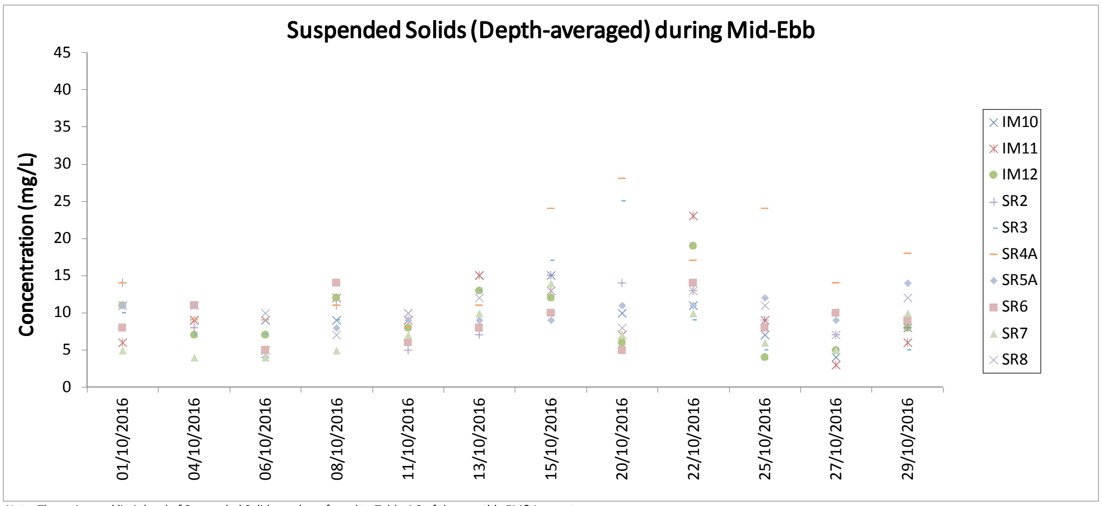




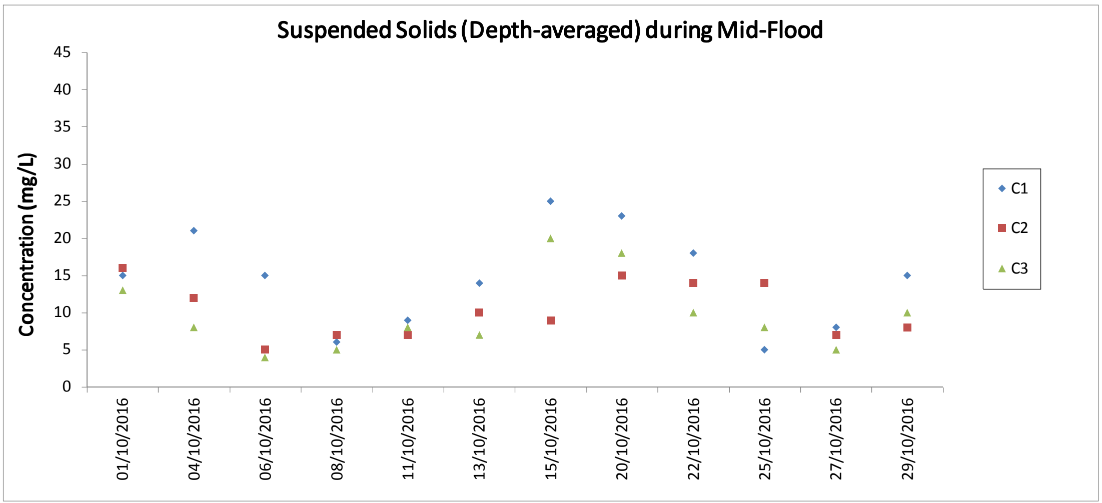
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.

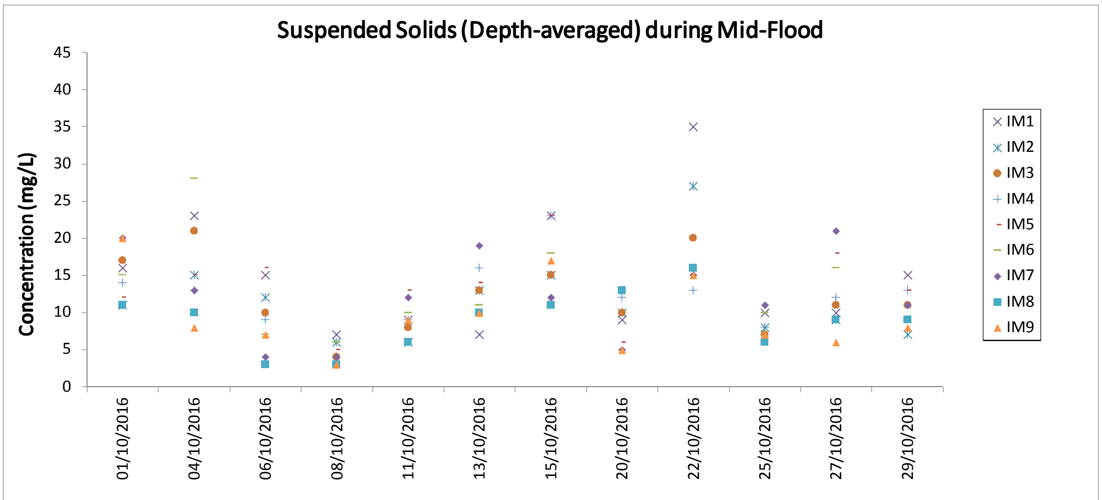


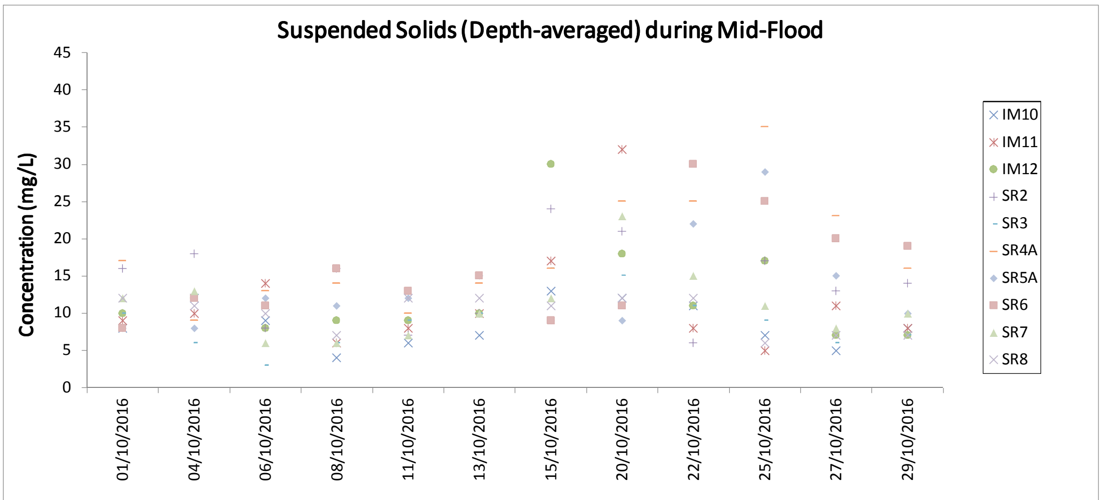




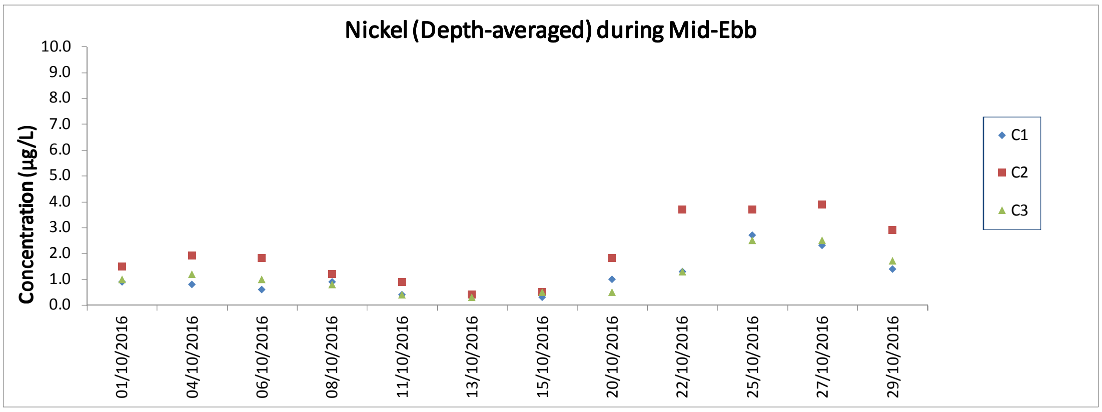
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.

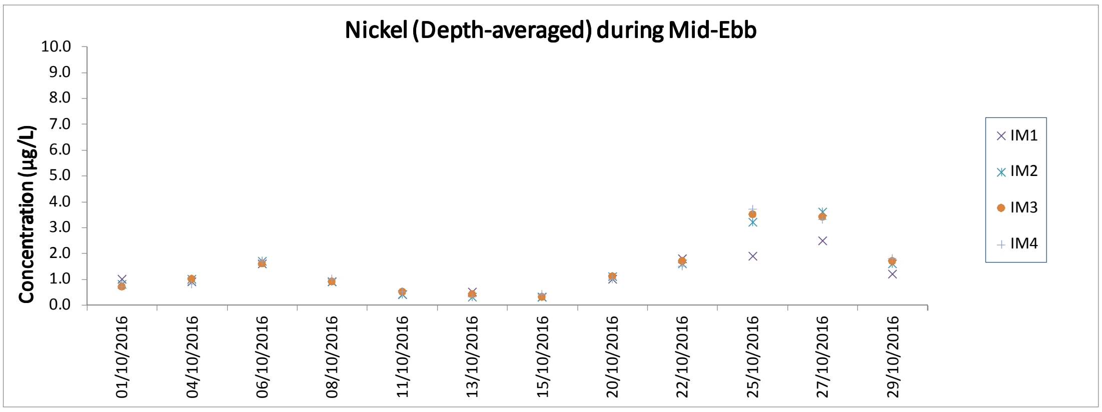


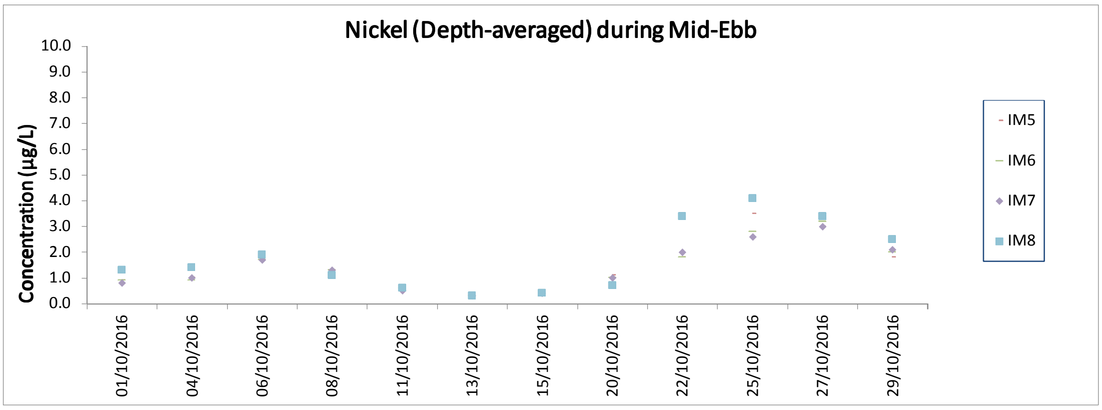


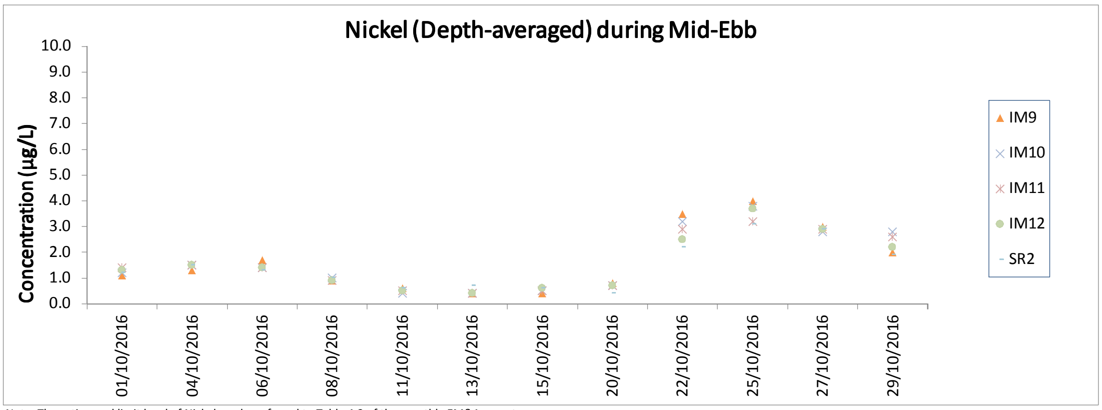


Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.

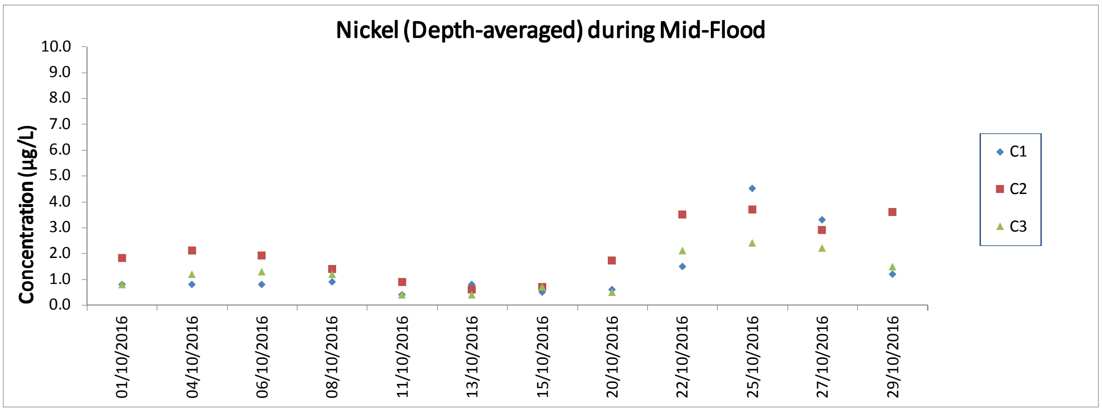


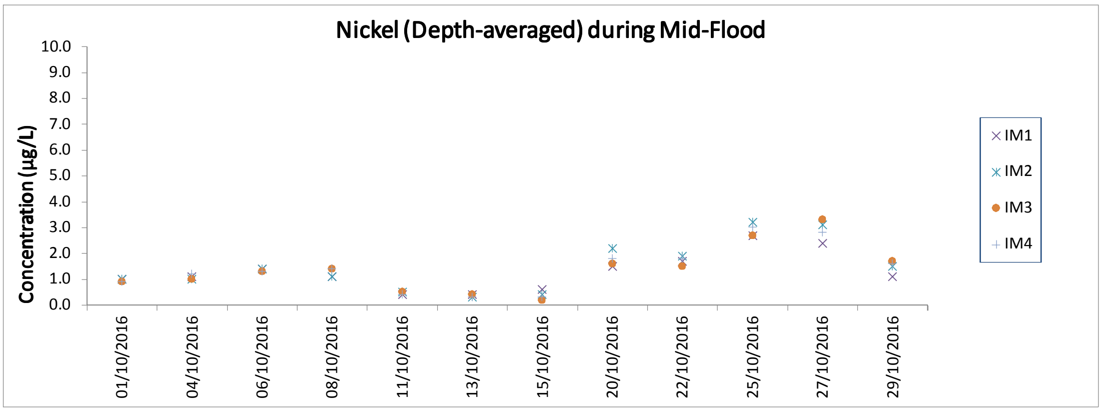


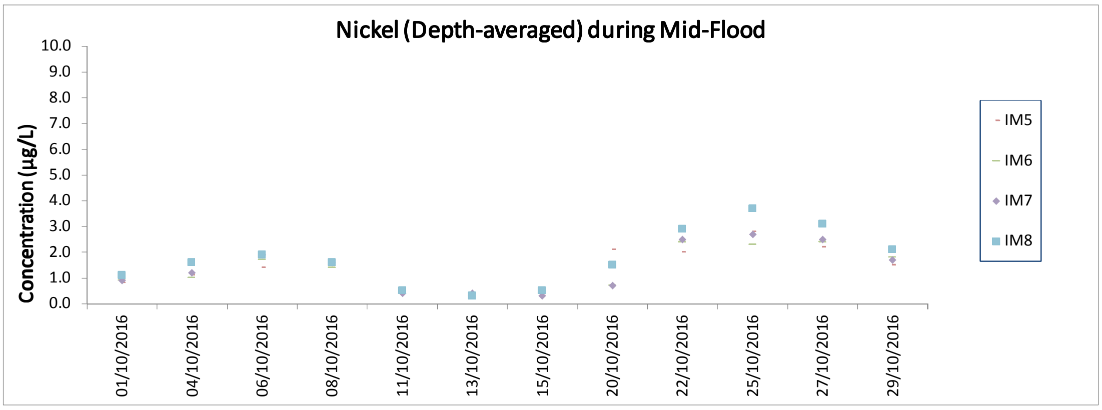


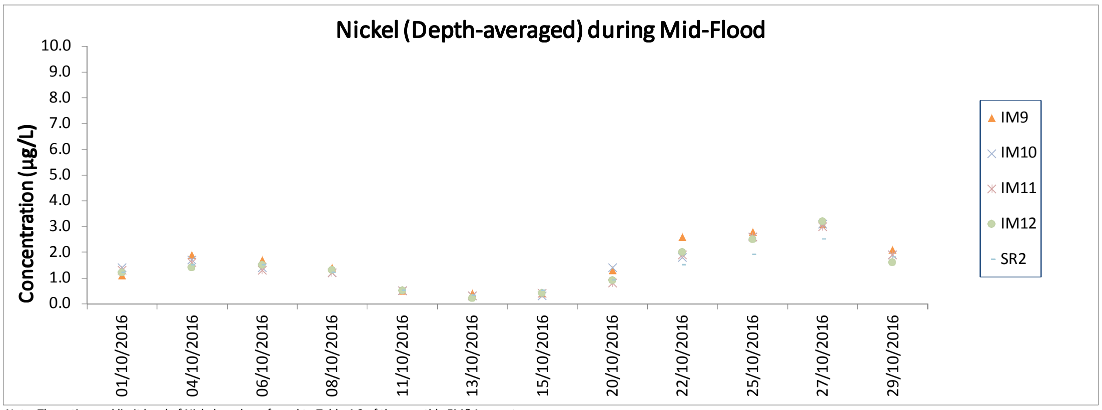


Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.









Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.
The monitoring results of Chromium at all monitoring stations were below the reporting limit <0.2 µg/L,
the impact monitoring results of Chromium at all monitoring stations can be referred to Appendix E. of the monthly EM&A report.

Chinese White Dolphin Monitoring Results

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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
05-Aug-16	NEL	2	44.36	SUMMER	32166	3RS ET
05-Aug-16	NEL	3	2.64	SUMMER	32166	3RS ET
09-Aug-16	AW	2	4.76	SUMMER	32166	3RS ET
09-Aug-16	WL	1	8.07	SUMMER	32166	3RS ET
09-Aug-16	WL	2	16.14	SUMMER	32166	3RS ET
09-Aug-16	WL	3	3.70	SUMMER	32166	3RS ET
09-Aug-16	WL	4	1.80	SUMMER	32166	3RS ET
09-Aug-16	SWL	3	1.41	SUMMER	32166	3RS ET
09-Aug-16	SWL	4	0.77	SUMMER	32166	3RS ET
09-Aug-16	SWL	5	4.79	SUMMER	32166	3RS ET
10-Aug-16	SWL	1	14.30	SUMMER	32166	3RS ET
10-Aug-16	SWL	2	37.70	SUMMER	32166	3RS ET
10-Aug-16	SWL	3	11.10	SUMMER	32166	3RS ET
15-Aug-16	NEL	1	21.10	SUMMER	32166	3RS ET
15-Aug-16	NEL	2	26.00	SUMMER	32166	3RS ET
19-Aug-16	NWL	3	68.90	SUMMER	32166	3RS ET
19-Aug-16	NWL	4	12.60	SUMMER	32166	3RS ET
19-Aug-16	NWL	5	0.40	SUMMER	32166	3RS ET
22-Aug-16	AW	2	1.58	SUMMER	32166	3RS ET
22-Aug-16	AW	3	3.20	SUMMER	32166	3RS ET
22-Aug-16	WL	2	11.83	SUMMER	32166	3RS ET
22-Aug-16	WL	3	6.71	SUMMER	32166	3RS ET
22-Aug-16	WL	4	11.94	SUMMER	32166	3RS ET
22-Aug-16	SWL	3	0.83	SUMMER	32166	3RS ET
22-Aug-16	SWL	4	6.17	SUMMER	32166	3RS ET
24-Aug-16	NWL	1	34.84	SUMMER	32166	3RS ET
24-Aug-16	NWL	2	48.06	SUMMER	32166	3RS ET
25-Aug-16	SWL	1	11.89	SUMMER	32166	3RS ET
25-Aug-16	SWL	2	38.89	SUMMER	32166	3RS ET
25-Aug-16	SWL	3	12.60	SUMMER	32166	3RS ET
05-Sep-16	NEL	2	41.60	AUTUMN	32166	3RS ET
05-Sep-16	NEL	3	5.40	AUTUMN	32166	3RS ET
06-Sep-16	NWL	1	8.62	AUTUMN	32166	3RS ET
06-Sep-16	NWL	2	47.10	AUTUMN	32166	3RS ET
06-Sep-16	NWL	3	27.38	AUTUMN	32166	3RS ET
08-Sep-16	AW	2	2.65	AUTUMN	32166	3RS ET
08-Sep-16	AW	3	2.43	AUTUMN	32166	3RS ET
08-Sep-16	WL	1	5.25	AUTUMN	32166	3RS ET
08-Sep-16	WL	2	23.16	AUTUMN	32166	3RS ET
08-Sep-16	WL	3	2.67	AUTUMN	32166	3RS ET
08-Sep-16	SWL	1	2.15	AUTUMN	32166	3RS ET
08-Sep-16	SWL	2	10.15	AUTUMN	32166	3RS ET
19-Sep-16	AW	3	4.81	AUTUMN	32166	3RS ET
19-Sep-16	WL	2	5.10	AUTUMN	32166	3RS ET
19-Sep-16	WL	3	25.61	AUTUMN	32166	3RS ET
19-Sep-16	SWL	2	6.81	AUTUMN	32166	3RS ET
20-Sep-16	NEL	1	1.10	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
20-Sep-16	NEL	2	45.70	AUTUMN	32166	3RS ET
22-Sep-16	NWL	2	33.84	AUTUMN	32166	3RS ET
22-Sep-16	NWL	3	43.92	AUTUMN	32166	3RS ET
22-Sep-16	NWL	4	3.40	AUTUMN	32166	3RS ET
26-Sep-16	SWL	1	5.61	AUTUMN	32166	3RS ET
26-Sep-16	SWL	2	18.67	AUTUMN	32166	3RS ET
26-Sep-16	SWL	3	35.90	AUTUMN	32166	3RS ET
26-Sep-16	SWL	4	1.64	AUTUMN	32166	3RS ET
27-Sep-16	SWL	2	15.86	AUTUMN	32166	3RS ET
27-Sep-16	SWL	3	35.83	AUTUMN	32166	3RS ET
27-Sep-16	SWL	4	7.73	AUTUMN	32166	3RS ET
05-Oct-16	NWL	2	57.65	AUTUMN	32166	3RS ET
05-Oct-16	NWL	3	24.37	AUTUMN	32166	3RS ET
07-Oct-16	SWL	2	19.10	AUTUMN	32166	3RS ET
07-Oct-16	SWL	3	41.15	AUTUMN	32166	3RS ET
07-Oct-16	SWL	4	2.05	AUTUMN	32166	3RS ET
19-Oct-16	NEL	2	2.20	AUTUMN	32166	3RS ET
19-Oct-16	NEL	3	18.00	AUTUMN	32166	3RS ET
19-Oct-16	NEL	4	27.50	AUTUMN	32166	3RS ET
20-Oct-16	NEL	2	30.40	AUTUMN	32166	3RS ET
20-Oct-16	NEL	3	16.80	AUTUMN	32166	3RS ET
24-Oct-16	AW	1	4.80	AUTUMN	32166	3RS ET
24-Oct-16	WL	1	5.39	AUTUMN	32166	3RS ET
24-Oct-16	WL	2	6.10	AUTUMN	32166	3RS ET
24-Oct-16	WL	3	15.88	AUTUMN	32166	3RS ET
24-Oct-16	WL	4	3.82	AUTUMN	32166	3RS ET
24-Oct-16	SWL	3	4.89	AUTUMN	32166	3RS ET
24-Oct-16	SWL	4	0.41	AUTUMN	32166	3RS ET
25-Oct-16	SWL	2	1.05	AUTUMN	32166	3RS ET
25-Oct-16	SWL	3	31.73	AUTUMN	32166	3RS ET
25-Oct-16	SWL	4	28.02	AUTUMN	32166	3RS ET
25-Oct-16	SWL	5	2.00	AUTUMN	32166	3RS ET
26-Oct-16	AW	2	2.81	AUTUMN	32166	3RS ET
26-Oct-16	AW	3	1.83	AUTUMN	32166	3RS ET
26-Oct-16	WL	2	12.50	AUTUMN	32166	3RS ET
26-Oct-16	WL	3	9.25	AUTUMN	32166	3RS ET
26-Oct-16	WL	4	9.44	AUTUMN	32166	3RS ET
26-Oct-16	SWL	3	1.06	AUTUMN	32166	3RS ET
26-Oct-16	SWL	4	4.03	AUTUMN	32166	3RS ET
28-Oct-16	NWL	1	6.27	AUTUMN	32166	3RS ET
28-Oct-16	NWL	2	73.09	AUTUMN	32166	3RS ET
28-Oct-16	NWL	3	0.90	AUTUMN	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. August 2016 and September 2016) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
09-Aug-16	1	1037	CWD	2	WL	1	8	ON	3RS ET	22.2625	113.8563	SUMMER	NONE
09-Aug-16	2	1047	CWD	1	WL	2	85	ON	3RS ET	22.2609	113.8515	SUMMER	NONE
09-Aug-16	3	1114	CWD	5	WL	2	98	ON	3RS ET	22.2504	113.8413	SUMMER	NONE
09-Aug-16	4	1146	CWD	3	WL	2	5	ON	3RS ET	22.2394	113.8278	SUMMER	NONE
09-Aug-16	5	1325	CWD	1	SWL	4	N/A	OFF	3RS ET	22.1936	113.8473	SUMMER	NONE
10-Aug-16	1	1059	FP	1	SWL	2	130	ON	3RS ET	22.1715	113.9353	SUMMER	NONE
10-Aug-16	2	1107	FP	6	SWL	2	396	ON	3RS ET	22.1624	113.9359	SUMMER	NONE
10-Aug-16	3	1116	FP	5	SWL	2	256	ON	3RS ET	22.1524	113.9356	SUMMER	NONE
19-Aug-16	1	1201	CWD	5	NWL	3	56	ON	3RS ET	22.3869	113.8890	SUMMER	NONE
19-Aug-16	2	1358	CWD	7	NWL	3	59	ON	3RS ET	22.3749	113.9066	SUMMER	NONE
22-Aug-16	1	0950	CWD	2	WL	2	N/A	OFF	3RS ET	22.3003	113.8665	SUMMER	NONE
22-Aug-16	2	1001	CWD	5	WL	3	197	ON	3RS ET	22.3023	113.8616	SUMMER	NONE
22-Aug-16	3	1046	CWD	5	WL	2	47	ON	3RS ET	22.2661	113.8592	SUMMER	NONE
22-Aug-16	4	1116	CWD	1	WL	2	213	ON	3RS ET	22.2503	113.8345	SUMMER	NONE
22-Aug-16	5	1145	CWD	1	WL	2	390	ON	3RS ET	22.2414	113.8408	SUMMER	NONE
22-Aug-16	6	1209	CWD	5	WL	2	183	ON	3RS ET	22.2367	113.8265	SUMMER	NONE
22-Aug-16	7	1237	CWD	7	WL	2	124	ON	3RS ET	22.2236	113.8369	SUMMER	NONE
22-Aug-16	8	1318	CWD	4	WL	4	245	ON	3RS ET	22.2143	113.8209	SUMMER	NONE
24-Aug-16	1	1216	CWD	6	NWL	1	32	ON	3RS ET	22.3785	113.8888	SUMMER	NONE
24-Aug-16	2	1336	CWD	1	NWL	2	27	ON	3RS ET	22.3797	113.8976	SUMMER	NONE
25-Aug-16	1	1013	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1997	113.8684	SUMMER	NONE
25-Aug-16	2	1142	CWD	7	SWL	1	1303	ON	3RS ET	22.1498	113.8887	SUMMER	NONE
06-Sep-16	1	1127	CWD	3	NWL	3	48	ON	3RS ET	22.3379	113.8784	AUTUMN	NONE
08-Sep-16	1	1020	CWD	4	WL	1	221	ON	3RS ET	22.2504	113.8387	AUTUMN	PURSE SEINE
08-Sep-16	2	1044	CWD	9	WL	1	36	ON	3RS ET	22.2416	113.8409	AUTUMN	NONE
08-Sep-16	3	1233	CWD	2	WL	2	100	ON	3RS ET	22.1871	113.8365	AUTUMN	NONE
19-Sep-16	1	0945	CWD	2	AW	3	13	ON	3RS ET	22.3009	113.8895	AUTUMN	NONE
19-Sep-16	2	1147	CWD	10	WL	3	27	ON	3RS ET	22.2319	113.8282	AUTUMN	NONE
19-Sep-16	3	1230	CWD	1	WL	3	135	ON	3RS ET	22.2138	113.8202	AUTUMN	NONE
19-Sep-16	4	1244	CWD	8	WL	3	25	ON	3RS ET	22.2142	113.8331	AUTUMN	NONE
19-Sep-16	5	1334	CWD	5	WL	3	149	ON	3RS ET	22.1963	113.8397	AUTUMN	NONE

DATE	STG #	TIME	CWD/FP	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
19-Sep-16	6	1411	CWD	1	SWL	2	124	ON	3RS ET	22.1910	113.8508	AUTUMN	NONE
19-Sep-16	7	1427	CWD	5	SWL	2	N/A	OFF	3RS ET	22.1838	113.8499	AUTUMN	NONE
19-Sep-16	8	1506	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1942	113.8543	AUTUMN	PURSE SEINE
22-Sep-16	1	1007	CWD	6	NWL	2	238	ON	3RS ET	22.3373	113.8684	AUTUMN	NONE
22-Sep-16	2	1315	CWD	7	NWL	3	153	ON	3RS ET	22.3636	113.8981	AUTUMN	NONE
26-Sep-16	1	1109	FP	5	SWL	2	347	ON	3RS ET	22.1688	113.9280	AUTUMN	NONE
26-Sep-16	2	1157	FP	2	SWL	3	308	ON	3RS ET	22.1728	113.9195	AUTUMN	NONE
26-Sep-16	3	1456	CWD	5	SWL	2	15	ON	3RS ET	22.1997	113.8690	AUTUMN	NONE
27-Sep-16	1	1100	FP	2	SWL	3	48	ON	3RS ET	22.1627	113.9360	AUTUMN	NONE
27-Sep-16	2	1130	FP	1	SWL	3	34	ON	3RS ET	22.1723	113.9280	AUTUMN	NONE
27-Sep-16	3	1214	FP	4	SWL	3	62	ON	3RS ET	22.1601	113.9179	AUTUMN	NONE
27-Sep-16	4	1309	CWD	1	SWL	2	204	ON	3RS ET	22.2024	113.9078	AUTUMN	NONE
27-Sep-16	5	1412	CWD	2	SWL	2	182	ON	3RS ET	22.1851	113.8879	AUTUMN	NONE
27-Sep-16	6	1434	CWD	1	SWL	3	64	ON	3RS ET	22.2062	113.8874	AUTUMN	NONE
05-Oct-16	1	1048	CWD	2	NWL	2	N/A	OFF	3RS ET	22.2716	113.8719	AUTUMN	NONE
05-Oct-16	2	1141	CWD	1	NWL	3	19	ON	3RS ET	22.3571	113.8781	AUTUMN	NONE
05-Oct-16	3	1212	CWD	2	NWL	3	N/A	OFF	3RS ET	22.5836	115.8169	AUTUMN	NONE
05-Oct-16	4	1246	CWD	2	NWL	2	102	ON	3RS ET	22.3696	113.8886	AUTUMN	NONE
07-Oct-16	1	1200	FP	2	SWL	3	116	ON	3RS ET	22.7397	115.8400	AUTUMN	NONE
24-Oct-16	1	1017	CWD	4	WL	2	206	ON	3RS ET	22.2698	113.8436	AUTUMN	NONE
24-Oct-16	2	1054	CWD	1	WL	3	87	ON	3RS ET	22.2599	113.8416	AUTUMN	NONE
24-Oct-16	3	1127	CWD	2	WL	3	91	ON	3RS ET	22.2404	113.8307	AUTUMN	NONE
24-Oct-16	4	1154	CWD	1	WL	3	108	ON	3RS ET	22.2236	113.8326	AUTUMN	NONE
24-Oct-16	5	1242	CWD	1	WL	4	11	ON	3RS ET	22.2018	113.8219	AUTUMN	NONE
24-Oct-16	6	1252	CWD	2	WL	3	48	ON	3RS ET	22.1983	113.8274	AUTUMN	NONE
24-Oct-16	7	1321	CWD	3	WL	3	N/A	OFF	3RS ET	22.1918	113.8383	AUTUMN	NONE
24-Oct-16	8	1403	CWD	1	SWL	3	45	ON	3RS ET	22.1863	113.8587	AUTUMN	NONE
25-Oct-16	1	1457	CWD	1	SWL	4	N/A	OFF	3RS ET	22.1943	113.8519	AUTUMN	NONE
25-Oct-16	2	1511	CWD	1	WL	3	N/A	OFF	3RS ET	22.2166	113.8338	AUTUMN	NONE
25-Oct-16	3	1518	CWD	1	WL	3	N/A	OFF	3RS ET	22.2293	113.8371	AUTUMN	NONE
25-Oct-16	4	1523	CWD	3	WL	3	N/A	OFF	3RS ET	22.2386	113.8406	AUTUMN	PURSE SEINE
26-Oct-16	1	1032	CWD	1	WL	2	135	ON	3RS ET	22.2675	113.8600	AUTUMN	NONE

DATE	STG #	TIME	CWD/FP	HRD SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
26-Oct-16	2	1047	CWD	2	WL	2	149	ON	3RS ET	22.2616	113.8553	AUTUMN	NONE
26-Oct-16	3	1112	CWD	1	WL	2	168	ON	3RS ET	22.2500	113.8348	AUTUMN	NONE
26-Oct-16	4	1133	CWD	2	WL	2	38	ON	3RS ET	22.2413	113.8394	AUTUMN	NONE
26-Oct-16	5	1219	CWD	7	WL	4	286	ON	3RS ET	22.2143	113.8219	AUTUMN	NONE
26-Oct-16	6	1309	CWD	1	WL	4	390	ON	3RS ET	22.1885	113.8419	AUTUMN	PURSE SEINE
26-Oct-16	7	1350	CWD	4	SWL	3	441	ON	3RS ET	22.1933	113.8493	AUTUMN	NONE
26-Oct-16	8	1403	CWD	2	SWL	3	14	ON	3RS ET	22.1905	113.8490	AUTUMN	NONE
26-Oct-16	9	1412	CWD	2	SWL	3	395	ON	3RS ET	22.1863	113.8488	AUTUMN	NONE
26-Oct-16	10	1440	CWD	1	SWL	3	63	ON	3RS ET	22.1976	113.8589	AUTUMN	NONE
28-Oct-16	1	0949	CWD	7	NWL	2	210	ON	3RS ET	22.3757	113.8682	AUTUMN	NONE
28-Oct-16	2	1145	CWD	2	NWL	2	623	ON	3RS ET	22.3548	113.8781	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. August 2016 and September 2016) 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 running quarterly STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 1275.15 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 49 on-effort sightings and total number of 166 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

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

$$STG = \frac{49}{1275.15}\ x\ 100 = 3.84$$

Running Quarterly Encounter Rate of Number of Dolphins (ANI)

$$ANI = \frac{166}{1275.15}\ x\ 100 = 13.02$$

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

WLMM027_20161005_1_2

WLMM054_20161005_1_1

NLMM023_20161005_4_3

WLMM049_20161024_1_1

WLMM060_20161024_1_3

WLMM027_20161024_7_3


SLMM011_20161024_7_1


SLMM022_20161025_4_1


WLMM061_20161026_1_6


SLMM002_20161026_2_3


SLMM013_20161026_2_3


WLMM049_20161026_3_1


WLMM032_20161026_5_3


WLMM035_20161026_5_4

WLMM061_20161026_5_2

SLMM052_20161026_7_5

SLMM014_20161026_10_1

NLMM005_20161028_1_2

NLMM012_20161028_1_5

NLMM039_20161028_1_9

NLMM040_20161028_1_4

NLMM041_20161028_1_6

<table>
<tr><td></td><td></td></tr>
<tr><td>NLMM042_20161028_1_4</td><td>WLMM050_20161028_1_9</td></tr>
<tr><td></td><td></td></tr>
<tr><td>NLMM006_20161028_2_5</td><td>NLMM013_20161028_2_1_Top</td></tr>
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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
4-Oct-16	Lung Kwu Chau	8:42	14:42	6:00	2-3	2	6	1-4
6-Oct-16	Lung Kwu Chau	8:37	14:37	6:00	2-3	2	3	2-4
17-Oct-16	Sha Chau	8:36	14:36	6:00	3	3	0	N/A
27-Oct-16	Lung Kwu Chau	8:51	14:51	6:00	2	2	4	1-3
28-Oct-16	Sha Chau	8:38	14:38	6:00	2	2-3	0	N/A

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