Appendix C. Monitoring Results

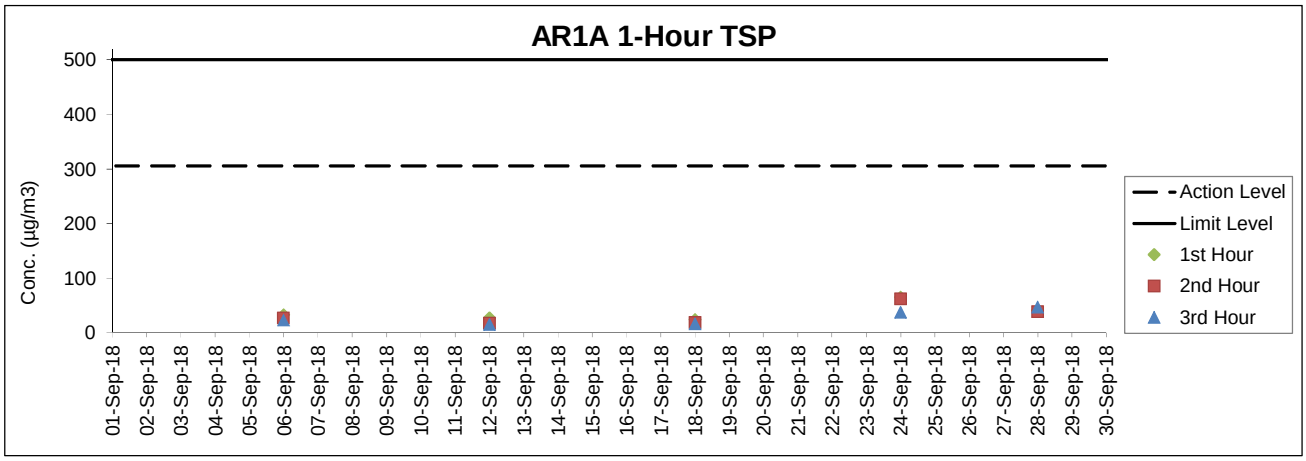
Air Quality Monitoring Results

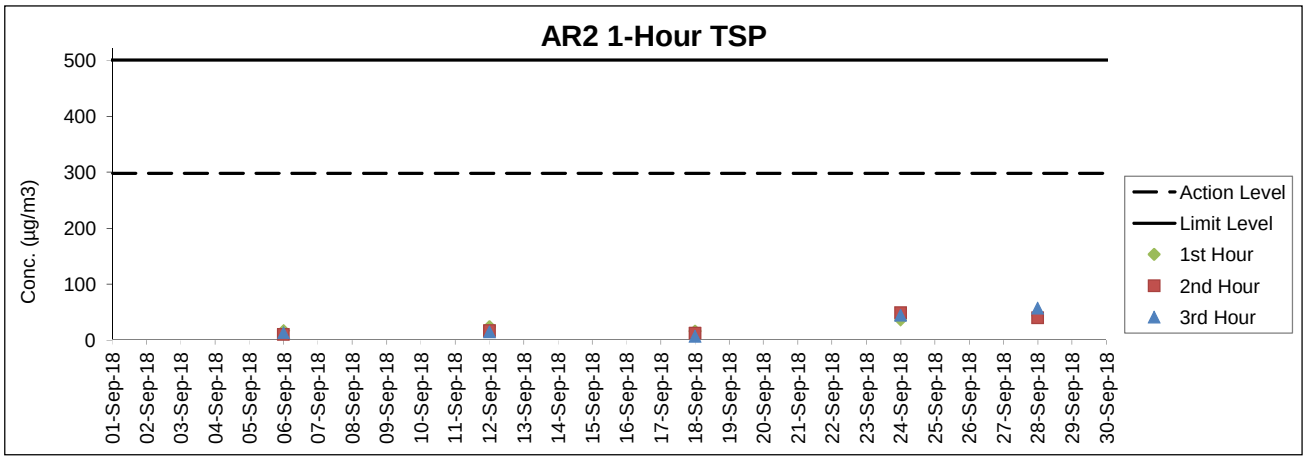
1-hour TSP Results
Station: AR1A - Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (µg/m^3)	Action Level (µg/m^3)	Limit Level (µg/m^3)
06-Sep-18	8:57	Sunny	2.9	61	33	306	500
06-Sep-18	9:57	Sunny	2.8	35	27	306	500
06-Sep-18	10:57	Sunny	3.5	26	23	306	500
12-Sep-18	9:00	Fine	5.1	32	27	306	500
12-Sep-18	10:00	Fine	5.2	30	17	306	500
12-Sep-18	11:00	Fine	5.6	58	15	306	500
18-Sep-18	9:08	Sunny	7.1	116	24	306	500
18-Sep-18	10:08	Sunny	8.7	114	19	306	500
18-Sep-18	11:08	Sunny	6.6	101	16	306	500
24-Sep-18	08:54	Rainy	6.2	305	65	306	500
24-Sep-18	9:54	Rainy	3.5	222	62	306	500
24-Sep-18	10:54	Rainy	1.3	252	37	306	500
28-Sep-18	9:05	Sunny	3.9	21	41	306	500
28-Sep-18	10:05	Sunny	4.8	354	38	306	500
28-Sep-18	11:05	Sunny	3.8	324	47	306	500

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (µg/m^3)	Action Level (µg/m^3)	Limit Level (µg/m^3)
06-Sep-18	9:00	Sunny	3.3	63	17	298	500
06-Sep-18	10:00	Sunny	3.2	45	10	298	500
06-Sep-18	11:00	Sunny	4.1	27	13	298	500
12-Sep-18	8:57	Fine	5.1	32	24	298	500
12-Sep-18	9:57	Fine	5.4	28	17	298	500
12-Sep-18	10:57	Fine	5.5	58	14	298	500
18-Sep-18	8:54	Sunny	7.3	118	16	298	500
18-Sep-18	9:54	Sunny	8.0	118	12	298	500
18-Sep-18	10:54	Sunny	6.9	116	7	298	500
24-Sep-18	8:48	Rainy	6.8	304	36	298	500
24-Sep-18	9:48	Rainy	4.6	227	49	298	500
24-Sep-18	10:48	Cloudy	1.3	252	44	298	500
28-Sep-18	8:55	Fine	3.7	18	44	298	500
28-Sep-18	9:55	Fine	5.1	7	40	298	500
28-Sep-18	10:55	Fine	3.7	328	57	298	500





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)
06-Sep-18	Sunny	9:12	73.0	55.0	71
06-Sep-18	Sunny	9:17	73.0	56.5	
06-Sep-18	Sunny	9:22	69.5	55.5	
06-Sep-18	Sunny	9:27	69.5	54.0	
06-Sep-18	Sunny	9:32	74.0	56.5	
06-Sep-18	Sunny	9:37	71.5	56.0	
12-Sep-18	Fine	9:20	65.5	57.0	65
12-Sep-18	Fine	9:25	64.0	55.0	
12-Sep-18	Fine	9:30	64.5	56.0	
12-Sep-18	Fine	9:35	64.5	55.0	
12-Sep-18	Fine	9:40	65.0	55.5	
12-Sep-18	Fine	9:45	63.5	55.0	
20-Sep-18	Sunny	11:20	74.5	58.0	72
20-Sep-18	Sunny	11:25	70.5	53.0	
20-Sep-18	Sunny	11:30	72.0	53.0	
20-Sep-18	Sunny	11:35	73.5	54.0	
20-Sep-18	Sunny	11:40	71.0	53.0	
20-Sep-18	Sunny	11:45	69.5	52.5	
24-Sep-18	Fine	13:35	72.0	55.0	73
24-Sep-18	Fine	13:40	74.5	55.5	
24-Sep-18	Fine	13:45	74.0	56.0	
24-Sep-18	Fine	13:50	73.5	55.5	
24-Sep-18	Fine	13:55	72.0	54.0	
24-Sep-18	Fine	14:00	72.5	54.0	

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Sep-18	Sunny	14:14	62.0	58.5	64
06-Sep-18	Sunny	14:19	64.0	60.5	
06-Sep-18	Sunny	14:24	62.5	58.5	
06-Sep-18	Sunny	14:29	62.5	58.5	
06-Sep-18	Sunny	14:34	63.0	58.5	
06-Sep-18	Sunny	14:39	63.5	58.5	
12-Sep-18	Cloudy	14:34	64.0	60.5	65
12-Sep-18	Cloudy	14:39	63.5	60.0	
12-Sep-18	Cloudy	14:44	63.5	60.0	
12-Sep-18	Cloudy	14:49	64.0	60.5	
12-Sep-18	Cloudy	14:54	64.5	60.0	
12-Sep-18	Cloudy	14:59	65.0	60.5	
18-Sep-18	Sunny	13:43	62.0	58.5	64
18-Sep-18	Sunny	13:48	63.0	59.5	
18-Sep-18	Sunny	13:53	62.5	58.0	
18-Sep-18	Sunny	13:58	62.0	58.5	
18-Sep-18	Sunny	14:03	62.0	59.0	
18-Sep-18	Sunny	14:08	62.5	58.5	
24-Sep-18	Fine	14:44	63.0	59.0	66
24-Sep-18	Fine	14:49	63.5	59.0	
24-Sep-18	Fine	14:54	70.5	59.5	
24-Sep-18	Fine	14:59	63.5	59.5	
24-Sep-18	Fine	15:04	64.0	60.0	
24-Sep-18	Fine	15:09	63.0	59.0	

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

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

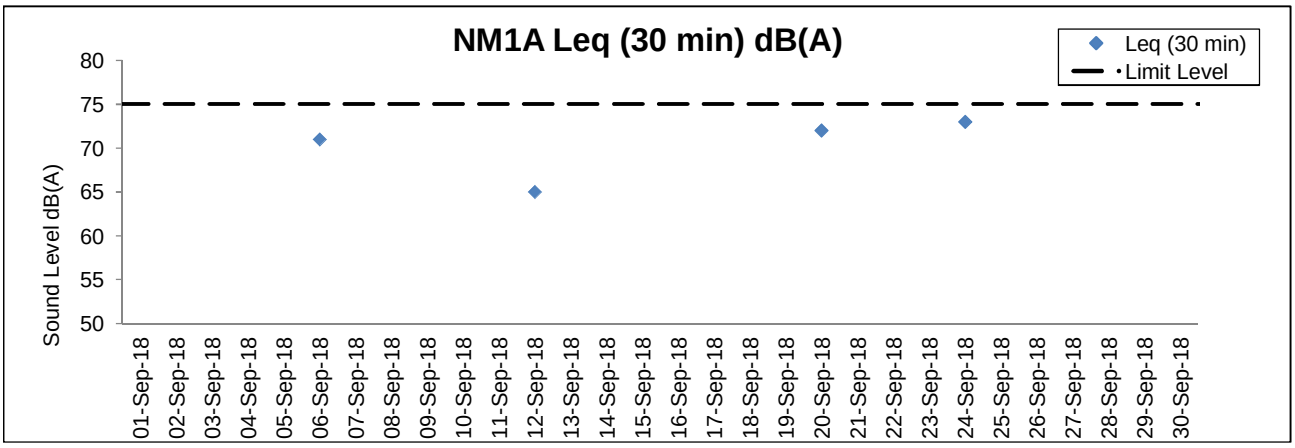
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
06-Sep-18	Sunny	8:59	56.0	45.0	56
06-Sep-18	Sunny	9:04	57.0	43.5	
06-Sep-18	Sunny	9:09	50.5	44.0	
06-Sep-18	Sunny	9:14	51.0	44.5	
06-Sep-18	Sunny	9:19	50.0	43.5	
06-Sep-18	Sunny	9:24	50.0	44.0	
12-Sep-18	Fine	9:00	61.5	50.5	57
12-Sep-18	Fine	9:05	60.0	51.0	
12-Sep-18	Fine	9:10	61.0	51.5	
12-Sep-18	Fine	9:15	56.0	49.0	
12-Sep-18	Fine	9:20	56.5	49.5	
12-Sep-18	Fine	9:25	64.0	51.0	
18-Sep-18	Sunny	8:57	56.0	46.5	58
18-Sep-18	Sunny	9:02	61.5	49.0	
18-Sep-18	Sunny	9:07	56.0	47.0	
18-Sep-18	Sunny	9:12	51.5	46.5	
18-Sep-18	Sunny	9:17	55.5	46.5	
18-Sep-18	Sunny	9:22	52.0	46.0	
24-Sep-18	Cloudy	11:06	51.5	46.0	54
24-Sep-18	Cloudy	11:11	51.5	45.5	
24-Sep-18	Cloudy	11:16	49.5	45.5	
24-Sep-18	Cloudy	11:21	50.5	46.0	
24-Sep-18	Cloudy	11:26	49.5	44.5	
24-Sep-18	Cloudy	11:31	52.0	46.0	

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)
04-Sep-18	Sunny	9:39	75.5	46.5	71
04-Sep-18	Sunny	9:44	73.5	51.5	
04-Sep-18	Sunny	9:49	72.5	49.5	
04-Sep-18	Sunny	9:54	74.0	49.5	
04-Sep-18	Sunny	9:59	73.0	57.5	
04-Sep-18	Sunny	10:04	71.5	55.0	
10-Sep-18	Sunny	9:40	70.0	53.5	68
10-Sep-18	Sunny	9:45	69.5	55.5	
10-Sep-18	Sunny	9:50	71.0	58.5	
10-Sep-18	Sunny	9:55	72.5	59.5	
10-Sep-18	Sunny	10:00	68.0	57.5	
10-Sep-18	Sunny	10:05	72.5	56.5	
20-Sep-18	Sunny	9:40	76.5	49.0	70
20-Sep-18	Sunny	9:45	71.5	49.0	
20-Sep-18	Sunny	9:50	72.5	45.5	
20-Sep-18	Sunny	9:55	70.0	46.5	
20-Sep-18	Sunny	10:00	74.5	48.5	
20-Sep-18	Sunny	10:05	73.0	46.5	
26-Sep-18	Fine	9:41	72.5	52.5	70
26-Sep-18	Fine	9:46	73.5	49.5	
26-Sep-18	Fine	9:51	74.5	50.0	
26-Sep-18	Fine	9:56	71.5	52.0	
26-Sep-18	Fine	10:01	76.0	51.0	
26-Sep-18	Fine	10:06	73.0	51.0	

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


NM1A Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Sep-18
02-Sep-18
03-Sep-18
04-Sep-18
05-Sep-18
06-Sep-18
07-Sep-18
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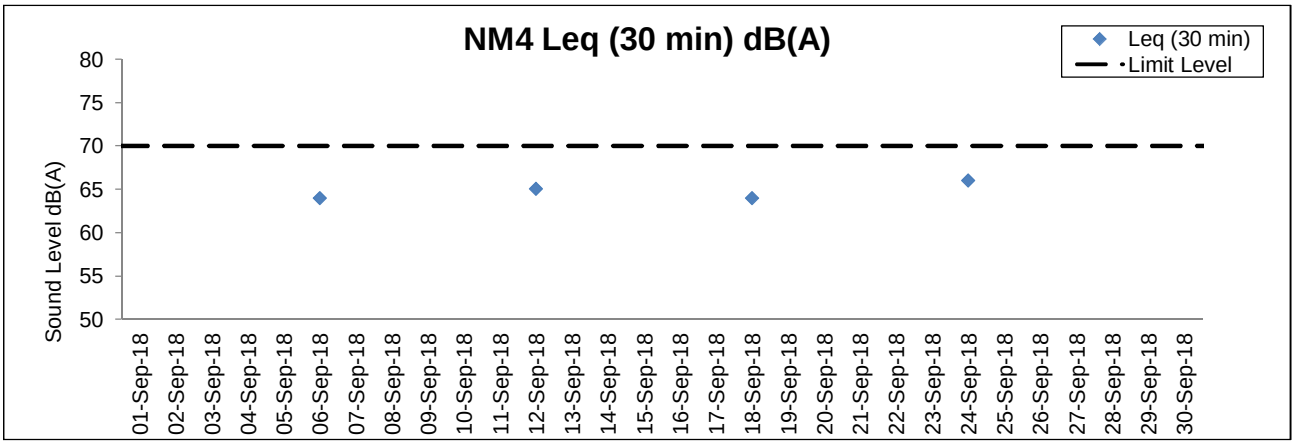
29-Sep-18
30-Sep-18


NM4 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Sep-18
02-Sep-18
03-Sep-18
04-Sep-18
05-Sep-18
06-Sep-18
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08-Sep-18
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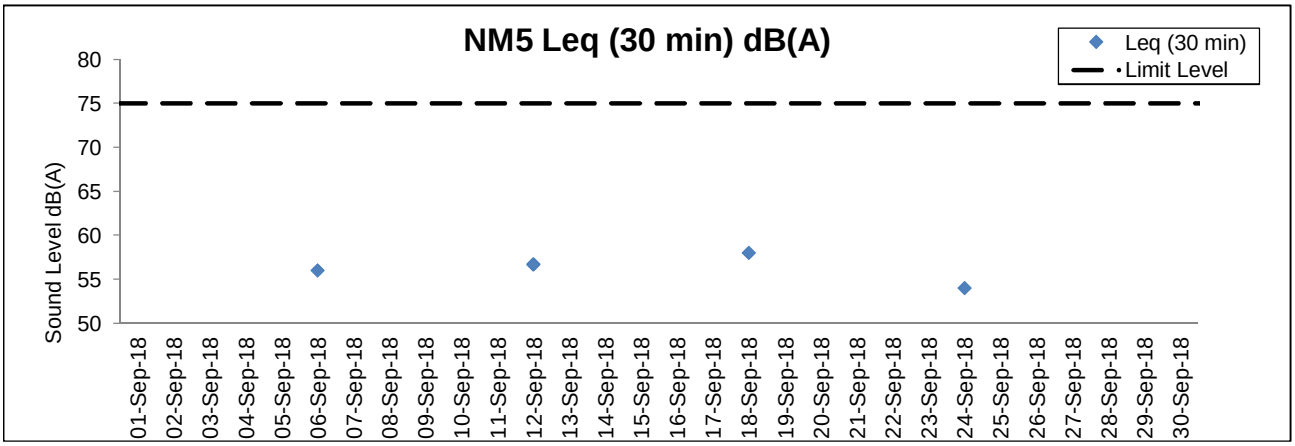
30-Sep-18


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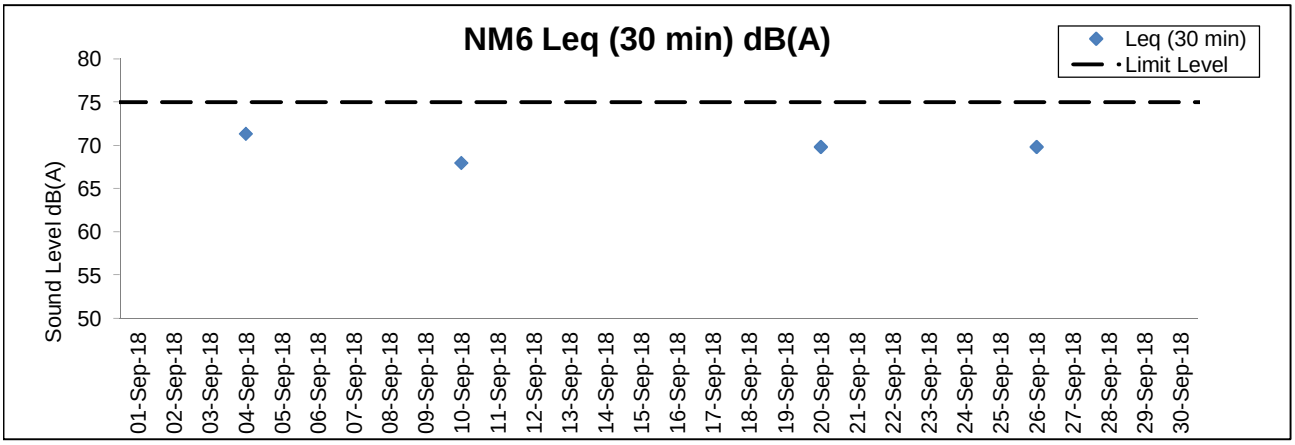
30-Sep-18


NM6 Leq (30 min) dB(A)
Leq (30 min)
Limit Level
Sound Level dB(A)
80
75
70
65
60
55
50
01-Sep-18
02-Sep-18
03-Sep-18
04-Sep-18
05-Sep-18
06-Sep-18
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22-Sep-18
23-Sep-18
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27-Sep-18
28-Sep-18
29-Sep-18
30-Sep-18

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	15:51	8.6	Surface	1.0	0.4	247	27.9	27.9	7.9	7.9	16.0	16.0	84.2	83.9	6.0	5.4	4.9	8.4	4	5	86	90	815608	804226	<0.2	<0.2	2.4	2.7
						1.0	0.4	259	27.9		7.9		16.0		83.6		6.0		5.0		5		87				<0.2		2.8	
					Middle	4.3	0.2	130	27.3	27.3	7.9	7.9	23.5	23.4	69.7	69.3	4.9		7.7		5		89				<0.2		2.6	
						4.3	0.2	139	27.3		7.9		23.4		68.9		4.8		8.3		5		90				<0.2		3.0	
					Bottom	7.6	0.1	272	26.6	26.6	7.9	7.9	27.5	27.5	67.2	67.9	4.6	4.7	12.4		5		93				<0.2		2.8	
						7.6	0.1	298	26.6		7.9		27.5		68.5		4.7		12.1		6		93				<0.2		2.8	
C2	Rainy	Moderate	14:48	12.5	Surface	1.0	0.3	94	28.3	28.3	7.8	7.8	12.4	12.5	75.4	75.4	5.5	5.3	9.7	12.3	4	4	81	85	825672	806971	<0.2	<0.2	4.2	4.0
						1.0	0.3	95	28.3		7.8		12.5		75.4		5.5		9.7		4		82				<0.2		4.2	
					Middle	6.3	0.1	236	28.2	28.2	7.8	7.8	16.6	16.6	71.8	71.8	5.1		13.5		4		85				<0.2		4.1	
						6.3	0.1	254	28.2		7.8		16.6		71.8		5.1		13.5		3		85				<0.2		3.9	
					Bottom	11.5	0.1	254	27.9	27.9	7.8	7.8	19.6	19.6	73.0	73.1	5.1	5.1	13.7		4		89				<0.2		3.9	
						11.5	0.1	275	27.9		7.8		19.6		73.1		5.1		13.7		4		89				<0.2		3.7	
C3	Rainy	Moderate	16:26	12.3	Surface	1.0	0.5	58	27.7	27.7	7.9	7.9	19.2	19.2	74.6	74.6	5.3	5.2	9.1	8.8	6	6	81	86	822138	817787	<0.2	<0.2	2.0	2.3
						1.0	0.5	63	27.7		7.9		19.2		74.5		5.3		9.1		6		81				<0.2		2.3	
					Middle	6.2	0.2	88	27.2	27.2	7.9	7.9	21.7	21.7	70.7	70.7	5.0		8.2		6		86				<0.2		2.2	
						6.2	0.3	93	27.2		7.9		21.7		70.6		5.0		8.2		6		86				<0.2		2.3	
					Bottom	11.3	0.1	27	26.6	26.6	7.9	7.9	24.7	24.7	67.4	67.5	4.7	4.7	9.2		6		89				<0.2		2.3	
						11.3	0.1	28	26.6		7.9		24.7		67.5		4.7		9.2		6		90				<0.2		2.4	
IM1	Rainy	Moderate	15:32	5.3	Surface	1.0	0.2	168	28.1	28.1	7.8	7.8	16.2	16.3	82.2	82.2	5.9	5.9	3.6	3.8	4	5	84	86	817939	807113	<0.2	<0.2	3.0	3.0
						1.0	0.3	180	28.1		7.8		16.3		82.1		5.9		3.7		5		85				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	174	28.1	28.1	7.8	7.8	17.0	17.0	82.9	83.1	5.9	5.9	3.9		6		87				<0.2		2.8	
						4.3	0.2	175	28.1		7.8		16.9		83.2		5.9		3.8		5		88				<0.2		3.2	
IM2	Rainy	Moderate	15:25	7.5	Surface	1.0	0.2	216	27.9	27.9	7.9	7.9	14.6	14.6	88.2	88.2	6.4	6.0	3.7	12.9	4	5	81	86	818142	806141	<0.2	<0.2	3.3	3.2
						1.0	0.2	221	27.9		7.9		14.6		88.1		6.4		3.7		4		82				<0.2		3.1	
					Middle	3.8	0.2	207	27.9	27.9	7.9	7.9	18.8	18.8	78.1	78.0	5.5		12.7		4		87				<0.2		3.2	
						3.8	0.3	217	27.9		7.9		18.8		77.8		5.5		13.2		4		87				<0.2		3.2	
					Bottom	6.5	0.2	104	27.4	27.4	7.9	7.9	22.8	22.8	77.1	77.2	5.4	5.4	22.2		6		90				<0.2		3.2	
						6.5	0.2	113	27.4		7.9		22.8		77.3		5.4		22.0		6		91				<0.2		3.1	
IM3	Rainy	Moderate	15:18	8.2	Surface	1.0	0.2	241	28.0	28.0	7.8	7.8	16.8	16.7	82.5	82.5	5.9	5.6	4.9	13.5	5	6	83	87	818775	805583	<0.2	<0.2	3.2	3.0
						1.0	0.2	252	28.0		7.8		16.7		82.5		5.9		4.9		6		84				<0.2		3.1	
					Middle	4.1	0.2	132	27.7	27.7	7.9	7.9	19.9	19.9	74.9	74.9	5.3		11.5		5		86				<0.2		2.8	
						4.1	0.2	138	27.7		7.9		19.9		74.8		5.3		11.8		6		87				<0.2		2.9	
					Bottom	7.2	0.1	135	27.4	27.4	7.9	7.9	22.7	22.7	77.6	77.7	5.4	5.4	24.0		7		90				<0.2		2.9	
						7.2	0.1	143	27.4		7.9		22.7		77.8		5.4		24.1		6		90				<0.2		2.8	
IM4	Rainy	Moderate	15:08	7.8	Surface	1.0	0.1	301	28.0	28.0	7.8	7.8	16.2	16.2	81.1	81.1	5.8	5.7	4.5	11.9	5	7	85	90	819725	804635	<0.2	<0.2	2.9	2.7
						1.0	0.1	313	28.0		7.8		16.2		81.1		5.8		4.6		5		86				<0.2		2.7	
					Middle	3.9	0.0	84	27.8	27.8	7.9	7.9	18.9	18.9	77.8	77.8	5.5		9.8		7		89				<0.2		2.7	
						3.9	0.0	91	27.8		7.9		18.9		77.7		5.5		10.0		8		90				<0.2		2.6	
					Bottom	6.8	0.1	105	27.5	27.5	7.9	7.9	22.3	22.3	83.9	84.1	5.9	5.9	21.3		9		93				<0.2		2.8	
						6.8	0.1	109	27.5		7.9		22.3		84.3		5.9		21.0		9		94				<0.2		2.7	
IM5	Rainy	Moderate	14:59	7.3	Surface	1.0	0.2	9	27.9	27.9	7.9	7.9	18.1	18.1	79.9	79.9	5.7	5.6	12.6	12.4	5	6	83	87	820740	804893	<0.2	<0.2	2.6	2.8
						1.0	0.2	9	27.9		7.9		18.1		79.9		5.7		12.7		6		83				<0.2		2.7	
					Middle	3.7	0.2	302	27.7	27.7	7.9	7.9	20.3	20.4	76.5	76.7	5.4		10.2		7		86				<0.2		2.7	
						3.7	0.2	316	27.7		7.9		20.4		76.8		5.4		10.3		7		86				<0.2		2.9	
					Bottom	6.3	0.1	91	27.7	27.7	7.9	7.9	20.6	20.6	80.6	80.7	5.7	5.7	14.3		6		92				<0.2		3.0	
						6.3	0.1	98	27.7		7.9		20.6		80.8		5.7		14.3		6		94				<0.2		2.6	
IM6	Rainy	Moderate	14:51	7.5	Surface	1.0	0.1	290	28.1	28.1	7.8	7.8	11.8	11.8	82.3	82.3	6.0	5.8	5.7	13.8	5	7	82	87	821070	805806	<0.2	<0.2	4.0	4.1
						1.0	0.1	294	28.1		7.8		11.8		82.2		6.0		5.8		5		83				<0.2		4.1	
					Middle	3.8	0.0	255	28.0	28.0	7.8	7.8	17.1	17.1	78.8	78.8	5.6		9.9		7		87				<0.2		4.0	
						3.8	0.0	279	28.0		7.8		17.1		78.7		5.6		10.1		8		88				<0.2		4.2	
					Bottom	6.5	0.1	122	27.8	27.8	7.9	7.8	20.3	20.3	81.0	81.1	5.7	5.7	25.5		8		90				<0.2		4.3	
						6.5	0.1	127	27.8		7.8		20.3		81.2		5.7		25.6		8		91				<0.2		4.2	
IM7	Rainy	Moderate	14:44	8.5	Surface	1.0	0.0	271	28.2	28.2	7.8	7.8	11.9	11.9	79.6	79.6	5.8	5.8	5.6	8.5	4	5	82	86	821357	806840	<0.2	<0.2	4.1	4.1
						1.0	0.0	278	28.2		7.8		11.9		79.6		5.8		5.7		4		82				<0.2		4.2	
					Middle	4.3	0.2	60	28.0	28.0	7.8	7.8	17.1	17.1	79.7	79.7	5.7		8.3		5		86				<0.2		4.3	
						4.3	0.3	64	28.0		7.8		17.1		79.7		5.7		8.3		5		87				<0.2		4.0	
					Bottom	7.5	0.2	85	27.9	27.9	7.8	7.8	18.8	18.8	82.4	82.6	5.8	5.8	11.6		5		90				<0.2		3.9	
						7.5	0.2	85	27.9		7.8		18.8		82.7		5.8		11.6		5		90				<0.2		4.0	
IM8	Rainy	Moderate	15:12	8.2	Surface	1.0	0.3	115	28.3	28.3	7.8	7.8	13.2	13.1	74.8	74.8	5.4	5.5	9.1	14.5	5	6	81	86	821832	808129	<0.2	<0.2	3.6	3.6
						1.0	0.3	121	28.3		7.8		13.1		74.7		5.4		9.1		4		82				<0.2		3.8	
					Middle	4.1	0.3	135	28.1	28.1	7.9	7.9	15.6	15.6	78.0	78.1	5.6		11.9		5		86				<0.2		3.5	
						4.1	0.4	135	28.1		7.9		15.6		78.1		5.6		12.0		6		87				<0.2		3.5	
					Bottom	7.2	0.2	114	28.0	28.0	7.9	7.9	18.6	18.6	78.0	78.0	5.5	5.5	22.5		7		89				<0.2		3.6	
						7.2	0.3	123	28.0		7.9		18.6		78.0		5.5		22.5		7		90				<0.2		3.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	15:19	7.4	Surface	1.0	0.4	105	28.3	28.3	7.7	7.7	11.6	11.6	76.0	76.0	5.6	5.5	9.2	15.0	5	6	82	86	822104	808816	<0.2	<0.2	4.3	4.3
						1.0	0.4	115	28.3		7.7		11.6		76.0		5.6		9.3		6		82				<0.2		4.5	
					Middle	3.7	0.5	105	28.1	28.1	7.9	7.9	18.1	18.0	76.5	76.5	5.4		15.3		7		87				<0.2		4.5	
						3.7	0.6	109	28.1		7.9		17.8		76.4		5.4		15.3		6		87				<0.2		4.4	
					Bottom	6.4	0.2	95	28.0	28.0	7.9	7.9	18.6	18.6	78.0	78.1	5.5	5.5	20.1		7		89				<0.2		4.3	
						6.4	0.3	103	28.0		7.9		18.6		78.1		5.5		20.6		7		90				<0.2		4.0	
IM10	Rainy	Moderate	15:27	7.1	Surface	1.0	0.6	116	28.2	28.2	7.7	7.7	11.3	11.3	73.7	73.7	5.4	5.5	9.3	14.7	4	4	82	87	822396	809789	<0.2	<0.2	3.6	3.7
						1.0	0.6	118	28.2		7.7		11.3		73.6		5.4		9.3		4		83				<0.2		3.8	
					Middle	3.6	0.7	103	28.1	28.1	7.9	7.9	15.6	15.6	76.6	76.6	5.5		14.5		4		86				<0.2		4.2	
						3.6	0.7	108	28.1		7.9		15.6		76.6		5.5		14.7		4		86				<0.2		3.6	
					Bottom	6.1	0.4	99	28.0	28.0	7.9	7.9	17.7	17.7	75.2	75.2	5.3	5.3	20.2		4		92				<0.2		3.5	
						6.1	0.4	102	28.0		7.9		17.7		75.2		5.3		20.1		5		93				<0.2		3.7	
IM11	Rainy	Moderate	15:37	8.5	Surface	1.0	0.7	116	28.1	28.1	7.8	7.8	11.9	11.9	76.4	76.4	5.6	5.4	8.8	11.7	3	4	85	89	822038	811446	<0.2	<0.2	3.9	3.8
						1.0	0.7	127	28.1		7.8		11.9		76.3		5.6		8.8		3		86				<0.2		3.8	
					Middle	4.3	0.6	96	28.2	28.2	7.8	7.8	15.8	15.8	73.0	73.1	5.2		12.2		3		89				<0.2		3.9	
						4.3	0.7	97	28.2		7.8		15.7		73.1		5.2		12.2		4		90				<0.2		3.8	
					Bottom	7.5	0.4	75	27.9	27.9	7.9	7.9	18.0	18.0	74.4	74.4	5.3	5.3	14.0		4		92				<0.2		3.8	
						7.5	0.4	78	27.9		7.9		18.0		74.4		5.3		14.0		4		93				<0.2		3.8	
IM12	Rainy	Moderate	15:43	8.3	Surface	1.0	0.7	101	28.2	28.2	7.8	7.8	13.2	13.2	75.3	75.3	5.5	5.4	10.2	16.6	3	4	82	86	821440	812016	<0.2	<0.2	3.2	3.3
						1.0	0.8	106	28.2		7.8		13.2		75.2		5.5		10.3		3		82				<0.2		3.2	
					Middle	4.2	0.6	96	28.1	28.1	8.0	8.0	16.4	16.4	73.6	73.6	5.3		14.7		4		85				<0.2		3.2	
						4.2	0.6	100	28.1		8.0		16.4		73.5		5.2		14.7		4		86				<0.2		3.4	
					Bottom	7.3	0.3	71	27.6	27.6	7.9	7.9	20.6	20.6	70.1	70.2	4.9	4.9	24.7		6		90				<0.2		3.3	
						7.3	0.3	72	27.6		7.9		20.6		70.2		4.9		24.7		5		90				<0.2		3.3	
SR2	Rainy	Moderate	16:07	4.6	Surface	1.0	0.4	95	28.1	28.1	7.9	7.9	15.3	15.3	77.7	77.8	5.6	5.6	10.6	11.0	4	5	82	85	821450	814145	<0.2	<0.2	2.1	2.2
						1.0	0.4	95	28.1		7.9		15.2		77.9		5.6		10.6		4		83				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	98	28.1	28.1	7.9	7.9	15.9	15.9	78.4	78.5	5.6	5.6	11.4		6		87				<0.2		2.2	
						3.6	0.2	103	28.1		7.9		15.9		78.5		5.6		11.4		6		87				<0.2		2.3	
SR3	Rainy	Moderate	15:07	9.4	Surface	1.0	0.2	133	28.3	28.3	7.8	7.8	14.2	14.2	73.5	73.6	5.3	5.4	10.9	13.2	6	6	-	-	822166	807550	-	-	-	-
						1.0	0.2	134	28.3		7.8		14.2		73.6		5.3		10.9		6		-				-		-	
					Middle	4.7	0.2	111	28.1	28.1	7.9	7.9	16.3	16.3	77.0	77.0	5.5		13.4		7		-				-		-	
						4.7	0.2	117	28.1		7.9		16.3		76.9		5.5		13.5		7		-				-		-	
					Bottom	8.4	0.2	89	28.1	28.1	7.9	7.9	17.4	17.4	77.5	77.5	5.5	5.5	15.3		6		-				-		-	
						8.4	0.2	96	28.1		7.9		17.4		77.5		5.5		15.3		6		-				-		-	
SR4A	Rainy	Moderate	16:14	8.4	Surface	1.0	0.3	59	28.0	28.0	7.9	7.9	16.8	16.8	83.8	83.7	6.0	5.8	12.4	15.4	5	6	-	-	817173	807799	-	-	-	-
						1.0	0.4	62	28.0		7.9		16.8		83.6		6.0		12.6		6		-				-		-	
					Middle	4.2	0.4	63	27.9	27.9	7.9	7.9	18.9	18.9	78.8	78.8	5.6		15.7		6		-				-		-	
						4.2	0.4	64	27.9		7.9		18.9		78.8		5.6		15.3		6		-				-		-	
					Bottom	7.4	0.3	51	27.7	27.7	7.9	7.9	20.5	20.5	81.4	81.9	5.7	5.8	18.1		7		-				-		-	
						7.4	0.3	51	27.7		7.9		20.5		82.3		5.8		18.1		7		-				-		-	
SR5A	Rainy	Moderate	16:30	3.8	Surface	1.0	0.1	285	27.8	27.8	7.9	7.9	17.9	17.9	84.5	84.6	6.0	6.0	6.5	6.6	9	10	-	-	816574	810695	-	-	-	-
						1.0	0.1	289	27.8		7.9		17.9		84.6		6.0		6.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	313	27.8	27.8	7.9	7.9	17.9	17.9	86.2	86.3	6.1	6.1	6.6		10		-				-		-	
						2.8	0.1	332	27.8		7.9		17.9		86.4		6.1		6.7		11		-				-		-	
SR6	Rainy	Moderate	17:08	4.3	Surface	1.0	0.0	36	27.9	27.9	7.8	7.8	17.2	17.2	75.4	75.4	5.4	5.4	11.3	13.0	12	12	-	-	817878	814635	-	-	-	-
						1.0	0.0	39	27.9		7.8		17.2		75.4		5.4		11.4		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	7	27.9	27.9	7.8	7.8	18.4	18.4	78.1	78.1	5.5	5.5	14.6		13		-				-		-	
						3.3	0.0	7	27.9		7.8		18.4		78.1		5.5		14.6		12		-				-		-	
SR7	Rainy	Moderate	16:52	18.0	Surface	1.0	0.5	104	27.6	27.6	7.9	7.9	19.5	19.5	76.9	76.9	5.4	5.0	7.9	9.0	4	6	-	-	823619	823714	-	-	-	-
						1.0	0.5	110	27.6		7.9		19.5		76.8		5.4		7.9		4		-				-		-	
					Middle	9.0	0.3	108	26.9	26.9	7.9	7.9	23.2	23.2	65.8	65.7	4.6		9.0		6		-				-		-	
						9.0	0.4	109	26.9		7.9		23.2		65.6		4.6		9.0		6		-				-		-	
					Bottom	17.0	0.2	84	26.1	26.1	7.9	7.9	26.4	26.4	62.6	62.7	4.4	4.4	10.2		7		-				-		-	
						17.0	0.3	90	26.1		7.9		26.4		62.7		4.4		10.2		7		-				-		-	
SR8	Rainy	Moderate	15:54	3.9	Surface	1.0	-	-	28.0	28.0	8.1	8.1	14.2	14.2	82.3	82.3	6.0	6.0	11.4	12.5	7	7	-	-	820417	811593	-	-	-	-
						1.0	-	-	28.0		8.1		14.2		82.3		6.0		11.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	28.1	28.1	8.0	8.0	15.2	15.2	81.0	81.0	5.8	5.8	13.5		8		-				-		-	
						2.9	-	-	28.1		8.0		15.2		81.0		5.8		13.6		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Due to safety reason, the monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	11:14	9.1	Surface	1.0	0.5	51	28.0	28.0	7.8	7.8	15.7	15.7	82.0	82.0	5.9	5.7	6.3	12.9	4	6	81	89	815623	804231	<0.2	<0.2	2.9	3.0
						1.0	0.6	52	28.0		7.8		15.7		82.0		5.9		6.3		4		81				<0.2		2.9	
					Middle	4.6	0.6	64	27.7	27.7	7.9	7.9	19.4	19.4	77.5	77.5	5.5		14.9		6		89				<0.2		2.9	
						4.6	0.7	66	27.7		7.9		19.4		77.5		5.5		15.0		5		91				<0.2		3.0	
					Bottom	8.1	0.4	69	27.3	27.3	7.9	7.9	24.2	24.2	75.6	75.7	5.2	5.3	17.3		7		94				<0.2		3.2	
						8.1	0.4	74	27.3		7.9		24.2		75.8		5.3		17.6		7		95				<0.2		3.0	
C2	Cloudy	Moderate	12:10	12.4	Surface	1.0	0.2	39	28.4	28.4	7.7	7.7	11.2	11.2	72.1	72.1	5.3	5.2	9.6	11.2	4	5	82	88	825691	806938	<0.2	<0.2	5.1	4.9
						1.0	0.2	39	28.4		7.7		11.3		72.0		5.3		9.6		5		83				<0.2		4.9	
					Middle	6.2	0.1	32	28.2	28.2	7.8	7.8	17.0	17.0	70.1	70.3	5.0		11.0		5		89				<0.2		4.7	
						6.2	0.1	33	28.2		7.8		17.0		70.4		5.0		11.1		5		89				<0.2		4.6	
					Bottom	11.4	0.2	323	28.1	28.1	7.8	7.8	17.8	17.8	72.1	72.2	5.1	5.1	12.8		5		92				<0.2		5.0	
						11.4	0.2	328	28.1		7.8		17.8		72.2		5.1		12.8		5		92				<0.2		5.0	
C3	Rainy	Moderate	10:21	9.3	Surface	1.0	0.6	245	28.0	28.0	7.9	7.9	18.0	17.9	75.1	75.1	5.3	5.2	8.9	9.4	4	7	80	87	822079	817786	<0.2	<0.2	3.1	3.8
						1.0	0.6	251	28.0		7.9		17.9		75.0		5.3		8.9		4		80				<0.2		3.0	
					Middle	4.7	0.7	257	27.7	27.7	7.9	7.9	20.2	20.2	71.5	71.5	5.0		9.2		6		88				<0.2		3.2	
						4.7	0.7	257	27.7		7.9		20.2		71.4		5.0		9.2		7		89				<0.2		4.9	
					Bottom	8.3	0.4	285	27.2	27.2	7.9	7.9	22.9	22.9	70.5	70.6	4.9	4.9	9.9		9		93				<0.2		4.2	
						8.3	0.4	286	27.2		7.9		22.9		70.6		4.9		10.0		9		93				<0.2		4.1	
IM1	Rainy	Moderate	11:33	5.4	Surface	1.0	0.4	0	27.9	27.9	7.9	7.9	15.9	15.9	87.4	87.4	6.3	6.3	6.1	11.1	7	8	82	84	817976	807127	<0.2	<0.2	2.8	2.8
						1.0	0.4	0	27.9		7.9		15.9		87.4		6.3		6.2		8		82				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	349	27.8	27.8	7.9	7.9	19.5	19.5	86.5	86.6	6.1	6.1	16.1		9		85				<0.2		2.7	
						4.4	0.2	321	27.8		7.9		19.5		86.7		6.1		15.8		9		86				<0.2		2.7	
IM2	Rainy	Moderate	11:41	7.8	Surface	1.0	0.4	38	28.2	28.2	7.8	7.8	15.1	15.1	80.7	80.7	5.8	5.8	5.3	7.9	8	10	82	86	818134	806190	<0.2	<0.2	2.8	2.8
						1.0	0.5	38	28.2		7.8		15.2		80.7		5.8		5.4		8		82				<0.2		2.8	
					Middle	3.9	0.5	29	28.0	28.0	7.9	7.9	18.2	18.2	80.6	80.6	5.7		7.8		9		86				<0.2		2.8	
						3.9	0.5	30	28.0		7.9		18.2		80.6		5.7		7.9		10		86				<0.2		2.9	
					Bottom	6.8	0.3	6	27.9	27.9	7.9	7.9	20.0	20.0	78.5	78.6	5.5	5.5	10.5		12		89				<0.2		3.0	
						6.8	0.3	6	27.9		7.9		20.0		78.6		5.5		10.7		11		90				<0.2		2.7	
IM3	Rainy	Moderate	11:47	8.0	Surface	1.0	0.4	36	28.1	28.1	7.8	7.8	15.1	15.1	82.9	82.9	6.0	5.8	5.4	11.3	8	10	83	86	818803	805578	<0.2	<0.2	2.9	2.9
						1.0	0.5	39	28.1		7.8		15.1		82.8		5.9		5.5		9		83				<0.2		3.0	
					Middle	4.0	0.4	24	28.0	28.0	7.8	7.8	18.3	18.3	80.3	80.4	5.7		11.6		10		85				<0.2		2.8	
						4.0	0.4	24	28.0		7.8		18.3		80.4		5.7		11.9		10		86				<0.2		2.7	
					Bottom	7.0	0.3	23	27.8	27.8	7.9	7.9	20.2	20.2	83.3	83.4	5.8	5.9	16.6		13		90				<0.2		3.0	
						7.0	0.3	25	27.8		7.9		20.2		83.5		5.9		16.6		12		90				<0.2		2.8	
IM4	Rainy	Moderate	11:56	7.7	Surface	1.0	0.5	30	28.1	28.1	7.8	7.8	14.3	14.3	80.9	80.9	5.8	5.7	10.5	14.5	8	9	82	86	819706	804611	<0.2	<0.2	2.3	2.2
						1.0	0.6	31	28.1		7.8		14.4		80.8		5.8		10.7		8		82				<0.2		2.2	
					Middle	3.9	0.7	30	27.9	27.9	7.9	7.9	16.9	16.9	77.8	77.8	5.6		12.5		9		86				<0.2		2.1	
						3.9	0.7	32	27.9		7.9		16.9		77.7		5.6		12.2		10		86				<0.2		2.2	
					Bottom	6.7	0.3	24	27.6	27.6	7.9	7.9	21.5	21.5	80.3	80.5	5.6	5.6	20.3		9		89				<0.2		2.3	
						6.7	0.4	24	27.6		7.9		21.5		80.6		5.6		20.6		10		91				<0.2		2.1	
IM5	Rainy	Moderate	12:03	7.4	Surface	1.0	0.5	33	28.2	28.2	7.8	7.8	15.6	15.6	78.6	78.6	5.6	5.5	6.0	10.6	11	12	83	86	820727	804842	<0.2	<0.2	2.2	2.1
						1.0	0.5	35	28.2		7.8		15.7		78.6		5.6		6.1		11		83				<0.2		2.0	
					Middle	3.7	0.4	46	27.7	27.7	7.9	7.9	20.2	20.2	74.7	74.7	5.3		11.1		12		86				<0.2		2.2	
						3.7	0.4	47	27.7		7.9		20.2		74.7		5.3		11.2		12		87				<0.2		2.2	
					Bottom	6.4	0.3	41	27.7	27.7	7.9	7.9	21.3	21.3	77.0	77.0	5.4	5.4	14.6		12		89				<0.2		2.0	
						6.4	0.3	42	27.7		7.9		21.3		77.0		5.4		14.6		12		90				<0.2		2.1	
IM6	Rainy	Moderate	12:11	7.3	Surface	1.0	0.2	75	28.1	28.1	7.9	7.9	16.1	16.1	79.9	79.9	5.7	5.7	7.8	13.9	12	15	83	87	821060	805853	<0.2	<0.2	2.2	2.3
						1.0	0.2	76	28.1		7.9		16.1		79.9		5.7		7.8		12		84				<0.2		2.2	
					Middle	3.7	0.2	87	27.9	27.9	7.9	7.9	18.9	18.9	78.8	78.9	5.6		15.6		15		86				<0.2		2.4	
						3.7	0.2	90	27.9		7.9		18.9		78.9		5.6		15.7		15		87				<0.2		2.3	
					Bottom	6.3	0.1	58	27.9	27.9	7.9	7.9	19.9	19.9	83.0	83.1	5.8	5.9	18.2		16		89				<0.2		2.3	
						6.3	0.1	58	27.9		7.9		19.9		83.2		5.9		18.2		17		91				<0.2		2.2	
IM7	Rainy	Moderate	12:17	8.3	Surface	1.0	0.1	210	28.3	28.3	7.8	7.8	10.5	10.5	80.9	80.9	6.0	6.0	6.9	13.3	10	12	82	88	821359	806813	<0.2	<0.2	2.3	2.3
						1.0	0.1	230	28.3		7.8		10.5		80.9		6.0		7.0		11		83				<0.2		1.9	
					Middle	4.2	0.3	47	28.1	28.1	7.8	7.8	14.9	14.9	82.3	82.4	5.9		13.7		12		89				<0.2		1.9	
						4.2	0.3	49	28.1		7.8		14.9		82.4		5.9		13.8		11		90				<0.2		2.9	
					Bottom	7.3	0.3	75	28.0	28.0	7.8	7.8	18.2	18.2	86.8	87.0	6.1	6.2	19.4		12		92				<0.2		2.0	
						7.3	0.4	81	28.0		7.8		18.2		87.1		6.2		19.0		13		93				<0.2		2.9	
IM8	Cloudy	Moderate	11:44	8.1	Surface	1.0	0.3	69	28.2	28.2	7.8	7.8	9.7	9.7	79.6	79.6	5.9	5.7	9.3	12.9	8	9	83	86	821843	808156	<0.2	<0.2	4.2	**4.3**
						1.0	0.3	74	28.2		7.8		9.7		79.6		5.9		9.3		8		83				<0.2		4.4	
					Middle	4.1	0.4	58	28.2	28.2	7.8	7.8	14.4	14.4	74.4	74.5	5.4		15.7		9		86				<0.2		4.3	
						4.1	0.4	59	28.2		7.8		14.4		74.5		5.4		15.8		9		86				<0.2		4.4	
					Bottom	7.1	0.2	93	28.2	28.2	7.8	7.8	16.2	16.2	72.4	72.5	5.2	5.2	13.7		9		89				<0.2		4.1	
						7.1	0.3	93	28.2		7.8		16.2		72.5		5.2		13.7		10		90				<0.2		4.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	11:37	7.8	Surface	1.0	0.4	48	28.3	28.3	7.7	7.7	11.7	11.7	74.4	74.4	5.4	5.5	10.8	17.6	8	9	82	86	822117	808832	<0.2	<0.2	4.1	**4.3**
						1.0	0.5	49	28.3		7.7		11.7		74.4		5.4		10.8		8		83				<0.2		3.8	
					Middle	3.9	0.5	32	28.2	28.2	7.9	7.9	12.8	12.8	75.8	75.8	5.5		18.2		9		86				<0.2		4.2	
						3.9	0.5	33	28.2		7.9		12.8		75.8		5.5		18.2		9		87				<0.2		4.5	
					Bottom	6.8	0.2	9	28.1	28.1	7.9	7.9	16.6	16.6	74.3	74.3	5.3	5.3	24.0		9		88				<0.2		4.5	
						6.8	0.2	9	28.1		7.9		16.7		74.3		5.3		23.7		9		90				<0.2		4.6	
IM10	Rainy	Moderate	11:36	8.0	Surface	1.0	0.4	36	28.3	28.3	7.7	7.7	11.7	11.7	74.9	75.0	5.5	5.5	11.4	16.5	8	8	81	85	822388	809775	<0.2	<0.2	3.8	**3.7**
						1.0	0.4	39	28.3		7.7		11.7		75.0		5.5		11.4		8		81				<0.2		3.7	
					Middle	4.0	0.5	27	28.3	28.3	7.9	7.9	12.7	12.7	75.7	75.7	5.5		16.6		8		85				<0.2		3.7	
						4.0	0.5	28	28.3		7.9		12.7		75.7		5.5		16.7		8		86				<0.2		3.5	
					Bottom	7.0	0.0	357	28.2	28.2	7.9	7.9	14.4	14.4	76.8	76.8	5.5	5.5	21.3		9		89				<0.2		3.8	
						7.0	0.0	328	28.2		7.9		14.4		76.8		5.5		21.3		9		90				<0.2		3.6	
IM11	Rainy	Moderate	11:15	8.7	Surface	1.0	0.2	308	28.2	28.2	7.8	7.8	14.9	14.9	78.6	78.6	5.7	5.4	11.4	17.7	8	8	82	86	822031	811441	<0.2	<0.2	3.3	3.1
						1.0	0.2	322	28.2		7.8		14.9		78.5		5.6		11.5		7		83				<0.2		3.2	
					Middle	4.4	0.4	302	27.9	27.9	7.9	7.9	18.2	18.2	74.0	73.9	5.2		19.0		8		85				<0.2		3.2	
						4.4	0.4	311	27.9		7.9		18.2		73.8		5.2		19.1		8		85				<0.2		3.1	
					Bottom	7.7	0.2	302	27.8	27.8	7.9	7.9	19.8	19.8	73.7	73.7	5.2	5.2	22.7		9		89				<0.2		3.0	
						7.7	0.2	303	27.8		7.9		19.8		73.7		5.2		22.7		9		90				<0.2		3.0	
IM12	Rainy	Moderate	11:07	9.6	Surface	1.0	0.4	271	28.0	28.0	7.9	7.9	17.6	17.6	74.3	74.3	5.3	5.3	10.6	15.9	11	16	81	85	821481	812062	<0.2	<0.2	2.9	2.9
						1.0	0.5	277	28.0		7.9		17.6		74.2		5.3		10.6		12		82				<0.2		2.9	
					Middle	4.8	0.4	279	27.8	27.8	7.9	7.9	19.4	19.4	74.0	74.1	5.2		14.5		14		85				<0.2		2.8	
						4.8	0.5	301	27.8		7.9		19.4		74.1		5.2		14.7		14		86				<0.2		2.9	
					Bottom	8.6	0.2	319	27.8	27.8	7.9	7.9	19.9	19.9	73.1	73.1	5.2	5.2	22.6		21		89				<0.2		2.9	
						8.6	0.2	324	27.8		7.9		19.9		73.1		5.1		22.6		22		89				<0.2		2.8	
SR2	Rainy	Moderate	10:43	4.8	Surface	1.0	0.4	313	28.0	28.0	7.8	7.8	16.6	16.6	76.5	76.5	5.5	5.5	12.4	14.9	8	9	81	84	821488	814184	<0.2	<0.2	2.9	2.8
						1.0	0.4	329	28.0		7.8		16.6		76.4		5.5		12.5		8		81				<0.2		2.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	293	27.8	27.8	7.8	7.8	19.0	19.0	74.2	74.2	5.2	5.3	17.3		9		87				<0.2		2.8	
						3.8	0.2	293	27.8		7.8		19.0		74.2		5.3		17.2		9		87				<0.2		2.7	
SR3	Cloudy	Moderate	11:51	9.3	Surface	1.0	0.1	68	28.3	28.3	7.7	7.7	10.4	10.4	75.1	75.1	5.5	5.4	9.3	13.1	6	7	-	-	822152	807591	-	-	-	-
						1.0	0.1	70	28.3		7.7		10.4		75.1		5.5		9.3		6		-				-		-	
					Middle	4.7	0.2	50	28.3	28.3	7.7	7.7	13.9	13.9	71.9	72.0	5.2		11.4		7		-				-		-	
						4.7	0.2	54	28.3		7.7		13.9		72.0		5.2		11.5		8		-				-		-	
					Bottom	8.3	0.3	58	28.2	28.2	7.8	7.8	16.3	16.3	73.9	73.9	5.3	5.3	18.5		8		-				-		-	
						8.3	0.3	59	28.2		7.8		16.3		73.9		5.3		18.4		7		-				-		-	
SR4A	Rainy	Moderate	10:51	8.4	Surface	1.0	0.1	238	27.8	27.8	7.9	7.9	19.0	19.0	81.4	81.4	5.8	5.8	8.3	9.3	12	13	-	-	817217	807814	-	-	-	-
						1.0	0.1	259	27.8		7.9		19.0		81.4		5.8		8.3		12		-				-		-	
					Middle	4.2	0.1	252	27.8	27.8	7.9	7.9	19.1	19.1	81.4	81.4	5.8		9.1		14		-				-		-	
						4.2	0.1	254	27.8		7.9		19.1		81.4		5.8		9.1		14		-				-		-	
					Bottom	7.4	0.1	241	27.8	27.8	7.9	7.9	19.2	19.2	83.0	83.1	5.9	5.9	10.6		14		-				-		-	
						7.4	0.1	257	27.8		7.9		19.2		83.1		5.9		10.6		14		-				-		-	
SR5A	Rainy	Moderate	10:34	3.1	Surface	1.0	0.2	296	27.8	27.8	7.8	7.8	18.4	18.4	79.6	79.6	5.6	5.6	7.5	9.1	10	13	-	-	816611	810683	-	-	-	-
						1.0	0.2	306	27.8		7.8		18.4		79.6		5.6		7.6		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.1	239	27.8	27.8	7.8	7.8	18.5	18.5	79.0	79.0	5.6	5.6	10.7		15		-				-		-	
						2.1	0.1	243	27.8		7.8		18.5		79.0		5.6		10.7		15		-				-		-	
SR6	Rainy	Moderate	10:07	4.9	Surface	1.0	0.2	286	28.1	28.1	7.8	7.8	16.2	16.2	81.5	81.5	5.8	5.8	19.5	14.9	16	18	-	-	817878	814687	-	-	-	-
						1.0	0.2	314	28.1		7.8		16.2		81.5		5.8		19.5		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	341	28.0	28.0	7.8	7.8	16.7	16.7	86.2	86.4	6.2	6.2	10.2		19		-				-		-	
						3.9	0.1	352	28.0		7.8		16.7		86.6		6.2		10.2		20		-				-		-	
SR7	Rainy	Moderate	09:53	18.1	Surface	1.0	0.1	94	28.0	28.0	7.9	7.9	17.6	17.6	77.4	77.4	5.5	5.1	8.7	10.3	6	7	-	-	823618	823743	-	-	-	-
						1.0	0.1	96	28.0		7.9		17.6		77.3		5.5		8.7		6		-				-		-	
					Middle	9.1	0.2	65	27.1	27.1	7.9	7.9	22.7	22.7	67.0	67.0	4.7		9.9		7		-				-		-	
						9.1	0.3	71	27.1		7.9		22.7		67.0		4.7		10.0		7		-				-		-	
					Bottom	17.1	0.0	259	26.6	26.6	7.9	7.9	25.6	25.6	64.4	64.5	4.5	4.5	12.2		9		-				-		-	
						17.1	0.0	273	26.6		7.9		25.6		64.5		4.5		12.2		9		-				-		-	
SR8	Rainy	Moderate	11:00	4.1	Surface	1.0	-	-	28.1	28.1	7.9	7.9	15.8	15.8	80.6	80.6	5.8	5.8	9.1	10.4	8	11	-	-	820417	811593	-	-	-	-
						1.0	-	-	28.1		7.9		15.8		80.6		5.8		9.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	27.9	27.9	7.8	7.8	18.0	18.0	77.4	77.5	5.5	5.5	11.7		14		-				-		-	
						3.1	-	-	27.9		7.8		18.0		77.5		5.5		11.7		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Due to safety reason, the monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	06:54	8.1	Surface	1.0	0.3	231	28.8	28.8	7.6	7.6	7.7	7.7	73.1	73.2	5.4	5.4	5.0	8.7	7	6	80	85	815613	804265	<0.2	<0.2	5.5	5.4
						1.0	0.3	233	28.8		7.6		7.7		73.3		5.4		5.1		6		81				<0.2		5.5	
					Middle	4.1	0.2	275	28.4	28.4	7.7	7.7	9.8	9.8	72.9	72.7	5.4		8.3		4		85				<0.2		5.5	
						4.1	0.2	275	28.4		7.7		9.8		72.4		5.3		8.7		4		86				<0.2		5.5	
					Bottom	7.1	0.3	219	26.7	26.7	7.8	7.8	25.3	25.3	60.2	60.4	4.2	4.2	12.7		6		89				<0.2		5.6	
						7.1	0.3	225	26.8		7.8		25.3		60.5		4.2		12.5		6		90				<0.2		5.0	
C2	Fine	Moderate	08:18	11.3	Surface	1.0	0.9	163	28.6	28.6	7.5	7.5	6.2	6.2	62.3	62.3	4.7	4.3	12.0	10.3	10	9	80	84	825687	806948	<0.2	<0.2	5.9	5.9
						1.0	1.0	166	28.6		7.5		6.2		62.3		4.7		12.0		8		80				<0.2		5.6	
					Middle	5.7	0.1	236	27.0	27.0	7.8	7.8	20.9	20.9	53.5	53.5	3.8		9.2		7		84				<0.2		6.0	
						5.7	0.1	254	27.0		7.8		20.9		53.5		3.8		9.2		9		84				<0.2		5.8	
					Bottom	10.3	0.2	354	26.7	26.7	7.8	7.8	22.8	22.8	54.4	54.5	3.8	3.8	9.6		8		87				<0.2		6.0	
						10.3	0.2	326	26.7		7.8		22.8		54.5		3.8		9.6		9		88				<0.2		5.9	
C3	Fine	Moderate	06:17	12.1	Surface	1.0	0.1	292	28.2	28.2	7.8	7.8	12.9	12.9	68.0	68.0	4.9	4.6	8.6	9.5	6	6	81	86	822113	817784	<0.2	<0.2	4.4	4.5
						1.0	0.1	301	28.2		7.8		12.9		67.9		4.9		8.6		6		81				<0.2		4.6	
					Middle	6.1	0.0	306	27.2	27.2	7.8	7.8	20.1	20.1	58.8	58.8	4.2		9.1		5		87				<0.2		4.5	
						6.1	0.0	309	27.2		7.8		20.1		58.8		4.2		9.1		7		86				<0.2		4.5	
					Bottom	11.1	0.3	129	25.5	25.5	7.9	7.9	26.7	26.7	56.5	56.6	4.0	4.0	10.9		6		91				<0.2		4.6	
						11.1	0.3	136	25.5		7.9		26.7		56.7		4.0		10.9		4		90				<0.2		4.5	
IM1	Fine	Moderate	07:15	4.1	Surface	1.0	0.0	204	28.2	28.2	7.8	7.8	13.7	13.7	70.3	70.3	5.1	5.1	4.1	4.6	6	4	86	88	817948	807154	<0.2	<0.2	4.5	4.6
						1.0	0.0	214	28.2		7.8		13.6		70.3		5.1		4.2		4		86				<0.2		4.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	59	27.7	27.7	7.8	7.8	17.7	17.7	69.1	69.2	4.9	4.9	5.0		4		89				<0.2		4.7	
						3.1	0.1	64	27.7		7.8		17.7		69.3		4.9		5.0		2		90				<0.2		4.5	
IM2	Fine	Moderate	07:22	6.6	Surface	1.0	0.2	301	28.7	28.7	7.8	7.8	10.1	10.1	79.5	79.5	5.8	5.6	3.7	5.6	5	5	82	86	818187	806176	<0.2	<0.2	4.5	4.6
						1.0	0.2	306	28.7		7.8		10.1		79.5		5.8		3.7		6		83				<0.2		4.6	
					Middle	3.3	0.2	277	28.4	28.4	7.8	7.8	11.6	11.6	73.3	73.3	5.4		4.3		5		86				<0.2		4.6	
						3.3	0.2	293	28.4		7.8		11.6		73.2		5.3		4.3		4		87				<0.2		4.5	
					Bottom	5.6	0.0	287	26.7	26.7	7.9	7.9	25.8	25.8	59.7	59.9	4.1	4.2	8.9		5		89				<0.2		4.6	
						5.6	0.0	309	26.7		7.9		25.8		60.0		4.2		8.9		5		90				<0.2		4.7	
IM3	Fine	Moderate	07:29	6.7	Surface	1.0	0.5	224	28.7	28.7	7.7	7.7	9.1	9.1	66.9	66.9	4.9	4.9	8.2	8.5	8	7	82	88	818777	805577	<0.2	<0.2	4.6	4.6
						1.0	0.5	228	28.7		7.7		9.1		66.9		4.9		8.2		9		84				<0.2		4.4	
					Middle	3.4	0.5	217	28.2	28.2	7.8	7.8	11.5	11.5	65.3	65.3	4.8		8.1		8		87				<0.2		4.6	
						3.4	0.5	235	28.2		7.8		11.5		65.2		4.8		8.1		6		88				<0.2		4.7	
					Bottom	5.7	0.2	217	27.1	27.1	7.8	7.8	21.8	21.7	67.7	68.0	4.8	4.8	9.3		6		92				<0.2		4.6	
						5.7	0.3	237	27.1		7.8		21.7		68.2		4.8		9.1		6		93				<0.2		4.4	
IM4	Fine	Moderate	07:38	6.8	Surface	1.0	0.7	200	28.7	28.6	7.6	7.6	7.4	7.4	62.3	62.3	4.6	4.6	7.3	12.0	7	7	85	90	819708	804594	<0.2	<0.2	4.5	4.5
						1.0	0.7	204	28.6		7.6		7.4		62.3		4.6		7.4		7		85				<0.2		4.7	
					Middle	3.4	0.5	200	27.9	27.9	7.6	7.6	14.5	14.5	62.2	62.2	4.6		10.6		7		89				<0.2		4.4	
						3.4	0.5	209	27.9		7.6		14.5		62.1		4.6		10.6		7		89				<0.2		4.4	
					Bottom	5.8	0.2	223	27.3	27.3	7.7	7.7	19.2	19.2	64.6	64.8	4.6	4.6	17.9		7		94				<0.2		4.5	
						5.8	0.2	241	27.3		7.7		19.2		65.0		4.6		18.0		7		95				<0.2		4.6	
IM5	Fine	Moderate	07:46	6.3	Surface	1.0	0.8	271	28.7	28.7	7.5	7.5	7.3	7.3	63.4	63.4	4.7	4.7	8.3	10.1	6	6	84	86	820755	804870	<0.2	<0.2	4.5	4.7
						1.0	0.8	275	28.7		7.5		7.4		63.3		4.7		8.3		7		84				<0.2		4.5	
					Middle	3.2	0.7	272	28.3	28.3	7.6	7.6	8.4	8.4	63.2	63.3	4.7		9.4		7		85				<0.2		4.5	
						3.2	0.7	278	28.3		7.6		8.4		63.3		4.7		9.5		5		85				<0.2		4.8	
					Bottom	5.3	0.5	271	27.9	27.9	7.6	7.6	13.3	13.4	68.3	68.3	5.0	5.0	12.6		6		88				<0.2		5.0	
						5.3	0.6	295	27.9		7.6		13.5		68.3		5.0		12.5		7		88				<0.2		4.6	
IM6	Fine	Moderate	07:56	6.1	Surface	1.0	1.0	247	28.6	28.6	7.6	7.6	7.2	7.2	60.6	60.6	4.5	4.6	8.4	10.7	7	8	83	87	821053	805803	<0.2	<0.2	4.6	4.5
						1.0	1.0	258	28.6		7.6		7.2		60.5		4.5		8.5		7		83				<0.2		4.5	
					Middle	3.1	0.6	238	27.8	27.8	7.7	7.7	15.7	15.7	63.0	63.1	4.6		10.6		9		86				<0.2		4.5	
						3.1	0.7	245	27.8		7.7		15.7		63.1		4.6		10.7		9		87				<0.2		4.6	
					Bottom	5.1	0.3	240	27.4	27.4	7.7	7.7	18.6	18.6	62.3	62.5	4.4	4.5	13.1		8		89				<0.2		4.5	
						5.1	0.3	253	27.4		7.7		18.7		62.6		4.5		13.1		8		91				<0.2		4.5	
IM7	Fine	Moderate	08:06	7.6	Surface	1.0	0.9	232	28.9	28.9	7.6	7.6	5.5	5.5	62.4	62.4	4.7	4.6	8.8	9.1	9	8	81	86	821332	806840	<0.2	<0.2	4.6	4.7
						1.0	0.9	241	28.9		7.6		5.5		62.4		4.7		8.7		7		83				<0.2		4.7	
					Middle	3.8	0.8	241	28.5	28.4	7.7	7.7	7.9	7.8	60.9	60.9	4.5		8.6		8		86				<0.2		4.9	
						3.8	0.8	252	28.4		7.7		7.8		60.8		4.5		8.6		10		87				<0.2		4.7	
					Bottom	6.6	0.3	227	27.3	27.3	7.7	7.7	19.2	19.2	62.6	62.8	4.5	4.5	10.0		8		90				<0.2		4.6	
						6.6	0.4	236	27.3		7.7		19.2		63.0		4.5		10.0		8		91				<0.2		4.5	
IM8	Fine	Moderate	07:40	7.3	Surface	1.0	0.5	196	28.7	28.7	7.5	7.5	5.3	5.3	63.3	63.4	4.8	4.7	12.4	11.3	9	9	81	86	821821	808121	<0.2	<0.2	4.8	4.5
						1.0	0.6	200	28.7		7.5		5.3		63.4		4.8		12.4		9		82				<0.2		4.7	
					Middle	3.7	0.4	224	28.5	28.5	7.5	7.5	7.7	7.7	62.4	62.4	4.6		11.1		8		86				<0.2		4.3	
						3.7	0.4	241	28.5		7.5		7.7		62.4		4.6		11.0		10		86				<0.2		4.4	
					Bottom	6.3	0.3	234	28.3	28.3	7.6	7.6	9.3	9.3	62.0	62.1	4.6	4.6	10.5		7		89				<0.2		4.3	
						6.3	0.3	254	28.3		7.6		9.3		62.1		4.6		10.4		9		90				<0.2		4.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	07:32	7.4	Surface	1.0	0.3	160	29.1	29.1	7.6	7.6	5.7	5.7	67.7	67.8	5.0	4.8	13.3	11.5	10	9	81	86	822064	808790	<0.2	<0.2	4.0	4.0
						1.0	0.3	163	29.1		7.6		5.8		67.8		5.0		13.3		9		82				<0.2		4.0	
					Middle	3.7	0.0	61	28.5	28.5	7.6	7.6	8.6	8.6	61.9	61.9	4.6		10.9		8		86				<0.2		4.0	
						3.7	0.0	61	28.5		7.6		8.6		61.9		4.6		10.8		9		86				<0.2		4.2	
					Bottom	6.4	0.1	37	28.3	28.3	7.6	7.6	10.5	10.5	62.5	62.5	4.6	4.6	10.2		8		90				<0.2		4.0	
						6.4	0.1	40	28.3		7.6		10.5		62.5		4.6		10.2		8		90				<0.2		3.8	
IM10	Fine	Moderate	07:25	9.0	Surface	1.0	0.5	117	28.4	28.4	7.6	7.6	9.1	9.1	62.0	62.0	4.6	4.5	10.6	10.1	7	8	81	86	822399	809785	<0.2	<0.2	4.6	4.6
						1.0	0.5	128	28.4		7.6		9.1		62.0		4.6		10.5		6		81				<0.2		4.7	
					Middle	4.5	0.3	84	28.3	28.3	7.6	7.6	10.7	10.7	59.4	59.4	4.4		10.1		8		86				<0.2		4.7	
						4.5	0.3	89	28.3		7.6		10.7		59.4		4.4		10.1		9		85				<0.2		4.6	
					Bottom	8.0	0.3	99	27.2	27.2	7.8	7.8	19.9	19.8	54.2	54.2	3.9	3.9	9.6		7		90				<0.2		4.5	
						8.0	0.3	101	27.2		7.8		19.7		54.1		3.9		9.6		9		90				<0.2		4.6	
IM11	Fine	Moderate	07:11	9.3	Surface	1.0	0.6	103	28.8	28.8	7.6	7.6	6.8	6.8	65.0	65.0	4.8	4.6	11.7	14.4	8	7	81	86	822051	811473	<0.2	<0.2	5.1	4.9
						1.0	0.6	107	28.8		7.6		6.8		65.0		4.8		11.7		7		81				<0.2		4.9	
					Middle	4.7	0.4	99	28.0	28.0	7.7	7.7	14.4	14.4	59.1	59.1	4.3		11.2		7		87				<0.2		4.8	
						4.7	0.4	107	28.0		7.7		14.4		59.1		4.3		11.3		6		86				<0.2		4.8	
					Bottom	8.3	0.2	113	27.3	27.3	7.8	7.8	19.6	19.6	58.2	58.2	4.1	4.1	20.3		6		90				<0.2		4.7	
						8.3	0.2	121	27.3		7.8		19.6		58.2		4.1		20.4		6		90				<0.2		4.9	
IM12	Fine	Moderate	07:02	9.6	Surface	1.0	0.5	98	28.8	28.8	7.6	7.6	5.6	5.6	65.9	65.9	4.9	4.6	11.6	12.3	7	7	82	86	821480	812037	<0.2	<0.2	4.9	5.0
						1.0	0.5	99	28.8		7.6		5.6		65.9		4.9		11.6		6		81				<0.2		5.2	
					Middle	4.8	0.4	100	28.1	28.1	7.7	7.7	13.2	13.2	59.8	59.8	4.3		9.5		6		85				<0.2		5.1	
						4.8	0.4	103	28.1		7.7		13.2		59.8		4.3		9.5		8		87				<0.2		5.0	
					Bottom	8.6	0.1	138	26.6	26.6	7.8	7.8	22.0	22.0	54.8	54.9	3.9	3.9	15.9		7		90				<0.2		5.0	
						8.6	0.1	148	26.6		7.8		22.1		54.9		3.9		15.9		5		88				<0.2		4.9	
SR2	Fine	Moderate	06:42	4.3	Surface	1.0	0.2	59	28.4	28.4	7.6	7.6	9.2	9.2	68.2	68.3	5.0	5.1	9.5	9.3	5	5	81	83	821440	814137	<0.2	<0.2	5.5	5.6
						1.0	0.2	62	28.4		7.6		9.2		68.3		5.1		9.5		5		81				<0.2		5.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	317	28.4	28.4	7.7	7.7	11.2	11.2	71.3	71.3	5.2	5.2	9.1		5		85				<0.2		5.6	
						3.3	0.1	342	28.4		7.7		11.2		71.3		5.2		9.1		5		86				<0.2		5.7	
SR3	Fine	Moderate	07:46	9.1	Surface	1.0	0.7	205	29.0	29.0	7.5	7.5	5.3	5.3	63.2	63.2	4.7	4.5	12.2	10.7	7	8	-	-	822147	807559	-	-	-	-
						1.0	0.7	218	29.0		7.5		5.3		63.2		4.7		12.1		8		-				-		-	
					Middle	4.6	0.5	235	28.1	28.1	7.6	7.6	12.2	12.1	58.5	58.5	4.3		10.1		8		-				-		-	
						4.6	0.5	247	28.1		7.6		12.1		58.5		4.3		10.1		9		-				-		-	
					Bottom	8.1	0.5	242	27.9	27.9	7.7	7.7	14.4	14.4	58.6	58.7	4.2	4.3	9.9		9		-				-		-	
						8.1	0.5	242	27.9		7.7		14.4		58.7		4.3		9.9		9		-				-		-	
SR4A	Fine	Calm	06:34	8.4	Surface	1.0	0.5	239	28.6	28.6	7.8	7.8	12.0	12.0	73.7	73.7	5.3	4.7	9.2	11.9	5	5	-	-	817190	807797	-	-	-	-
						1.0	0.5	260	28.6		7.8		12.0		73.7		5.3		9.2		4		-				-		-	
					Middle	4.2	0.3	233	27.5	27.5	7.8	7.8	20.1	20.1	56.9	56.9	4.0		13.1		6		-				-		-	
						4.2	0.3	253	27.5		7.8		20.1		56.9		4.0		13.1		5		-				-		-	
					Bottom	7.4	0.4	241	26.7	26.7	7.8	7.8	25.4	25.4	59.8	60.0	4.2	4.2	13.3		5		-				-		-	
						7.4	0.5	256	26.7		7.8		25.4		60.1		4.2		13.4		6		-				-		-	
SR5A	Fine	Calm	06:16	3.6	Surface	1.0	0.1	304	28.7	28.7	7.7	7.7	11.5	11.5	72.8	72.7	5.3	5.3	8.1	11.1	7	7	-	-	816618	810697	-	-	-	-
						1.0	0.1	306	28.7		7.7		11.5		72.6		5.3		8.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	320	28.7	28.7	7.7	7.7	13.0	13.0	73.3	73.4	5.3	5.3	13.8		6		-				-		-	
						2.6	0.1	335	28.7		7.7		13.0		73.4		5.3		13.8		7		-				-		-	
SR6	Fine	Calm	05:44	3.9	Surface	1.0	0.1	258	28.7	28.7	7.7	7.7	11.8	11.8	71.8	71.7	5.2	5.2	10.5	11.5	7	6	-	-	817892	814689	-	-	-	-
						1.0	0.1	264	28.7		7.7		11.8		71.6		5.2		10.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	338	28.7	28.7	7.6	7.6	13.8	13.8	71.0	71.2	5.1	5.1	12.2		5		-				-		-	
						2.9	0.0	340	28.7		7.6		13.9		71.4		5.1		12.4		6		-				-		-	
SR7	Fine	Moderate	05:36	17.9	Surface	1.0	0.3	114	28.5	28.5	7.8	7.8	12.5	12.5	72.9	72.9	5.4	5.0	8.1	7.7	4	4	-	-	823624	823720	-	-	-	-
						1.0	0.4	120	28.5		7.8		12.5		72.9		5.4		8.1		4		-				-		-	
					Middle	9.0	0.2	101	27.6	27.6	7.8	7.8	18.2	18.2	62.6	62.6	4.6		7.2		3		-				-		-	
						9.0	0.2	105	27.6		7.8		18.2		62.6		4.6		7.2		4		-				-		-	
					Bottom	16.9	0.3	112	25.7	25.7	7.9	7.9	26.1	26.1	56.2	56.2	4.0	4.0	7.8		5		-				-		-	
						16.9	0.3	123	25.7		7.9		26.1		56.2		4.0		7.8		6		-				-		-	
SR8	Fine	Moderate	06:54	4.8	Surface	1.0	-	-	28.6	28.6	7.7	7.7	8.3	8.3	69.6	69.6	5.2	5.2	9.9	9.7	6	6	-	-	820423	811588	-	-	-	-
						1.0	-	-	28.6		7.7		8.3		69.6		5.2		9.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.2	28.2	7.8	7.8	12.9	13.0	70.6	70.7	5.1	5.1	9.5		6		-				-		-	
						3.8	-	-	28.2		7.8		13.0		70.8		5.1		9.5		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Due to safety reason, the monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:35	8.0	Surface	1.0	0.4	43	29.3	29.3	7.6	7.6	7.6	7.5	69.1	69.1	5.1	4.9	5.9	7.7	5	5	80	85	815622	804239	<0.2	<0.2	4.9	4.9
						1.0	0.4	43	29.3		7.6		7.5		69.0		5.1		5.8		5		81				<0.2		4.9	
					Middle	4.0	0.5	47	28.2	28.2	7.7	7.7	12.0	12.0	64.7	64.7	4.7		5.9		6		86				<0.2		4.9	
						4.0	0.5	50	28.2		7.7		12.0		64.6		4.7		6.2		5		87				<0.2		5.0	
					Bottom	7.0	0.3	28	26.6	26.6	7.8	7.8	25.8	25.7	53.3	53.4	3.7	3.7	11.3		5		89				<0.2		4.9	
						7.0	0.3	28	26.6		7.8		25.7		53.4		3.7		11.1		6		89				<0.2		4.8	
C2	Sunny	Moderate	13:15	10.2	Surface	1.0	0.8	167	28.7	28.7	7.5	7.5	6.3	6.2	59.6	59.6	4.5	4.1	12.8	10.3	11	10	82	87	825667	806964	<0.2	<0.2	5.8	6.0
						1.0	0.8	167	28.7		7.5		6.2		59.6		4.5		12.8		10		82				<0.2		6.3	
					Middle	5.1	0.1	191	27.2	27.2	7.8	7.8	20.1	20.1	52.7	52.7	3.7		9.1		9		87				<0.2		5.8	
						5.1	0.1	202	27.2		7.8		20.1		52.7		3.7		9.1		10		87				<0.2		6.1	
					Bottom	9.2	0.3	345	26.7	26.7	7.9	7.9	23.0	23.0	54.9	54.9	3.9	3.9	9.0		10		92				<0.2		6.0	
						9.2	0.3	354	26.7		7.9		22.9		54.9		3.9		9.1		10		91				<0.2		6.1	
C3	Sunny	Moderate	15:00	11.2	Surface	1.0	0.4	257	28.9	28.9	7.8	7.8	12.5	12.5	75.2	75.2	5.4	4.7	7.8	8.2	6	5	81	85	822079	817818	<0.2	<0.2	4.1	4.2
						1.0	0.4	280	28.9		7.8		12.5		75.1		5.4		7.8		5		81				<0.2		4.3	
					Middle	5.6	0.3	218	26.7	26.7	7.9	7.9	21.8	21.9	56.3	56.3	4.0		7.5		6		85				<0.2		4.2	
						5.6	0.3	221	26.7		7.9		21.9		56.2		4.0		7.5		4		85				<0.2		4.2	
					Bottom	10.2	0.3	293	25.7	25.7	7.9	7.9	26.3	26.3	56.0	56.0	3.9	3.9	9.3		5		90				<0.2		4.2	
						10.2	0.3	307	25.7		7.9		26.3		56.0		3.9		9.3		4		89				<0.2		4.4	
IM1	Cloudy	Moderate	14:07	4.7	Surface	1.0	0.1	233	29.1	29.1	7.8	7.8	9.8	9.8	85.7	85.7	6.2	6.2	3.8	4.0	6	5	82	84	817923	807144	<0.2	<0.2	4.7	4.8
						1.0	0.1	234	29.1		7.8		9.8		85.6		6.2		3.9		5		83				<0.2		4.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	234	28.5	28.5	7.8	7.8	11.6	11.6	84.2	84.3	6.1	6.1	4.1		4		84				<0.2		4.8	
						3.7	0.0	256	28.5		7.8		11.6		84.4		6.1		4.2		4		85				<0.2		4.7	
IM2	Cloudy	Moderate	14:15	6.4	Surface	1.0	0.8	5	29.3	29.3	7.7	7.7	9.1	9.1	75.6	75.6	5.5	5.1	5.8	7.9	4	4	81	86	818142	806150	<0.2	<0.2	4.8	4.8
						1.0	0.8	5	29.3		7.7		9.1		75.6		5.5		5.9		4		82				<0.2		5.0	
					Middle	3.2	0.6	351	27.8	27.8	7.9	7.9	14.1	14.1	63.8	63.8	4.6		7.1		4		86				<0.2		4.9	
						3.2	0.6	323	27.7		7.9		14.1		63.7		4.6		7.2		5		86				<0.2		4.9	
					Bottom	5.4	0.3	18	27.3	27.3	7.8	7.8	22.6	22.5	72.6	72.6	5.1	5.1	10.8		3		89				<0.2		4.7	
						5.4	0.3	19	27.3		7.8		22.5		72.6		5.1		10.7		5		90				<0.2		4.7	
IM3	Cloudy	Moderate	13:53	6.9	Surface	1.0	0.5	287	28.9	28.9	7.8	7.8	9.8	9.8	80.3	80.3	5.9	5.7	4.5	6.9	4	4	81	86	818774	805608	<0.2	<0.2	5.1	5.3
						1.0	0.5	315	28.9		7.8		9.8		80.3		5.9		4.6		3		81				<0.2		5.2	
					Middle	3.5	0.5	296	28.5	28.5	7.8	7.8	11.7	11.7	76.0	76.0	5.5		5.1		4		85				<0.2		5.2	
						3.5	0.6	301	28.5		7.8		11.7		75.9		5.5		5.2		4		85				<0.2		5.3	
					Bottom	5.9	0.3	322	26.8	26.8	7.9	7.9	24.5	24.5	57.7	57.8	4.0	4.0	11.0		3		90				<0.2		5.6	
						5.9	0.3	347	26.8		7.9		24.5		57.9		4.0		11.2		3		91				<0.2		5.1	
IM4	Cloudy	Moderate	13:42	7.0	Surface	1.0	0.5	325	29.1	29.1	7.6	7.6	7.6	7.7	66.1	66.1	4.9	4.6	8.1	10.5	8	7	80	85	819752	804590	<0.2	<0.2	5.1	5.3
						1.0	0.5	336	29.1		7.6		7.7		66.1		4.9		8.0		7		81				<0.2		5.4	
					Middle	3.5	0.3	334	27.7	27.7	7.7	7.7	16.8	16.8	58.6	58.6	4.2		8.5		7		85				<0.2		5.2	
						3.5	0.3	307	27.7		7.7		16.8		58.6		4.2		8.6		8		85				<0.2		5.3	
					Bottom	6.0	0.2	19	27.1	27.1	7.8	7.8	20.7	20.7	57.7	57.8	4.1	4.1	14.7		8		90				<0.2		5.1	
						6.0	0.2	19	27.1		7.8		20.7		57.9		4.1		14.8		6		90				<0.2		5.5	
IM5	Cloudy	Moderate	13:33	6.4	Surface	1.0	0.6	286	28.8	28.8	7.6	7.6	6.9	6.9	62.5	62.5	4.7	4.6	9.6	10.0	8	7	82	85	820709	804881	<0.2	<0.2	5.2	5.3
						1.0	0.6	301	28.8		7.6		6.9		62.5		4.6		9.6		6		83				<0.2		5.2	
					Middle	3.2	0.4	285	27.7	27.7	7.7	7.7	16.7	16.7	62.7	62.8	4.5		10.0		6		86				<0.2		5.3	
						3.2	0.4	291	27.7		7.7		16.7		62.8		4.5		10.1		7		86				<0.2		5.3	
					Bottom	5.4	0.2	291	27.5	27.5	7.7	7.7	18.3	18.3	59.9	60.1	4.3	4.3	10.2		8		87				<0.2		5.3	
						5.4	0.2	311	27.5		7.7		18.3		60.2		4.3		10.2		8		87				<0.2		5.3	
IM6	Cloudy	Moderate	13:27	6.3	Surface	1.0	0.9	261	28.9	28.9	7.6	7.6	7.3	7.3	62.1	62.1	4.6	4.7	8.6	9.4	7	8	80	85	821087	805845	<0.2	<0.2	5.1	5.3
						1.0	0.9	283	28.9		7.6		7.3		62.1		4.6		8.6		8		81				<0.2		5.3	
					Middle	3.2	0.6	274	28.0	28.0	7.6	7.6	14.3	14.3	63.3	63.4	4.7		9.2		7		86				<0.2		5.2	
						3.2	0.6	281	28.0		7.6		14.3		63.5		4.7		9.3		7		88				<0.2		5.2	
					Bottom	5.3	0.3	266	27.4	27.4	7.7	7.7	18.9	19.1	62.2	62.2	4.4	4.4	10.4		8		88				<0.2		5.4	
						5.3	0.3	267	27.4		7.7		19.2		62.2		4.4		10.4		8		89				<0.2		5.4	
IM7	Cloudy	Moderate	13:15	7.8	Surface	1.0	0.9	233	28.9	28.9	7.6	7.6	5.5	5.5	61.3	61.3	4.6	4.5	8.1	8.8	7	7	85	90	821344	806838	<0.2	<0.2	5.3	5.2
						1.0	0.9	240	28.9		7.6		5.5		61.3		4.6		8.1		6		86				<0.2		5.4	
					Middle	3.9	0.7	242	28.5	28.5	7.6	7.6	9.5	9.5	59.9	59.9	4.4		7.2		8		90				<0.2		5.2	
						3.9	0.7	258	28.5		7.6		9.4		59.9		4.4		7.2		7		91				<0.2		5.0	
					Bottom	6.8	0.2	229	27.2	27.2	7.7	7.7	20.2	20.5	54.1	54.2	3.8	3.8	11.2		8		92				<0.2		5.0	
						6.8	0.3	235	27.2		7.7		20.9		54.2		3.8		11.2		8		94				<0.2		5.4	
IM8	Sunny	Moderate	13:37	7.0	Surface	1.0	0.2	231	29.4	29.4	7.5	7.5	5.7	5.7	65.1	65.1	4.8	4.8	13.0	15.5	8	8	83	87	821803	808158	<0.2	<0.2	5.9	6.0
						1.0	0.3	231	29.4		7.5		5.7		65.1		4.8		13.0		7		83				<0.2		6.0	
					Middle	3.5	0.3	280	28.9	28.9	7.6	7.6	6.7	6.7	62.8	62.8	4.7		13.4		7		87				<0.2		6.2	
						3.5	0.3	292	28.9		7.6		6.7		62.7		4.7		13.4		8		87				<0.2		5.9	
					Bottom	6.0	0.3	240	27.8	27.8	7.7	7.7	15.4	15.4	59.6	59.8	4.3	4.3	20.6		7		91				<0.2		5.8	
						6.0	0.3	261	27.8		7.7		15.4		59.9		4.3		19.5		8		92				<0.2		6.2	

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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 04 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	13:44	6.6	Surface	1.0	0.3	204	29.5	29.5	7.6	7.6	5.9	5.9	68.0	68.0	5.0	4.9	11.8	11.0	7	8	83	87	822086	808800	<0.2	<0.2	5.8	5.8
						1.0	0.3	211	29.5		7.6		5.8		68.0		5.0		11.8		7		84				<0.2		5.7	
					Middle	3.3	0.2	212	29.1	29.1	7.7	7.7	6.9	7.0	63.3	63.3	4.7		11.2		8		87				<0.2		6.0	
						3.3	0.2	225	29.1		7.7		7.0		63.2		4.7		11.2		7		87				<0.2		5.6	
					Bottom	5.6	0.2	225	27.7	27.7	7.7	7.7	16.6	16.6	59.3	59.4	4.3	4.3	10.0		8		92				<0.2		5.7	
						5.6	0.2	229	27.7		7.7		16.6		59.4		4.3		10.0		8		91				<0.2		5.8	
IM10	Sunny	Moderate	13:53	6.5	Surface	1.0	0.1	283	29.2	29.2	7.6	7.6	7.1	7.1	69.2	69.3	5.1	4.9	11.0	12.0	5	6	83	87	822379	809782	<0.2	<0.2	5.7	5.6
						1.0	0.1	298	29.2		7.6		7.1		69.3		5.1		10.9		6		83				<0.2		5.6	
					Middle	3.3	0.1	336	28.7	28.7	7.6	7.6	9.2	9.2	64.3	64.3	4.7		10.8		4		87				<0.2		5.6	
						3.3	0.1	342	28.7		7.6		9.2		64.2		4.7		10.8		6		87				<0.2		5.5	
					Bottom	5.5	0.2	290	27.5	27.4	7.8	7.8	18.9	18.9	59.1	59.2	4.2	4.2	14.2		5		91				<0.2		5.8	
						5.5	0.2	315	27.4		7.8		18.8		59.3		4.2		14.2		7		91				<0.2		5.6	
IM11	Sunny	Moderate	14:04	7.4	Surface	1.0	0.2	339	29.0	29.0	7.6	7.6	7.8	7.8	67.7	67.7	5.0	4.6	10.8	13.4	5	6	82	87	822057	811487	<0.2	<0.2	5.1	5.1
						1.0	0.2	352	29.0		7.6		7.8		67.7		5.0		10.8		6		83				<0.2		5.0	
					Middle	3.7	0.4	318	27.8	27.8	7.8	7.8	16.9	17.1	58.6	58.6	4.2		9.7		7		87				<0.2		5.1	
						3.7	0.5	346	27.8		7.8		17.2		58.6		4.2		9.7		7		87				<0.2		5.1	
					Bottom	6.4	0.4	297	26.8	26.8	7.8	7.8	22.1	22.1	54.8	54.8	3.9	3.9	19.8		7		91				<0.2		5.1	
						6.4	0.5	317	26.8		7.8		22.1		54.8		3.9		19.7		6		91				<0.2		5.0	
IM12	Sunny	Moderate	14:12	7.8	Surface	1.0	0.3	301	29.8	29.8	7.7	7.7	6.7	6.7	71.9	71.9	5.3	4.9	10.9	14.9	7	6	83	87	821444	812055	<0.2	<0.2	5.1	5.0
						1.0	0.3	317	29.8		7.7		6.7		71.8		5.3		10.9		7		83				<0.2		5.0	
					Middle	3.9	0.5	283	28.0	28.0	7.8	7.8	16.6	16.6	63.4	63.4	4.5		13.4		6		86				<0.2		5.1	
						3.9	0.5	299	28.0		7.8		16.6		63.3		4.5		13.5		6		87				<0.2		5.0	
					Bottom	6.8	0.5	280	26.5	26.5	7.9	7.9	23.5	23.5	54.4	54.5	3.8	3.8	20.3		6		90				<0.2		5.0	
						6.8	0.5	294	26.5		7.9		23.5		54.5		3.8		20.3		6		91				<0.2		5.0	
SR2	Sunny	Moderate	14:37	4.8	Surface	1.0	0.2	97	29.0	29.0	7.7	7.7	8.6	8.6	72.4	72.4	5.3	5.3	11.5	17.3	5	4	82	85	821474	814191	<0.2	<0.2	4.5	4.5
						1.0	0.2	104	29.0		7.7		8.6		72.3		5.3		11.5		4		83				<0.2		4.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	103	27.7	27.7	7.8	7.8	17.5	17.5	62.0	62.2	4.4	4.4	23.1		4		88				<0.2		4.5	
						3.8	0.1	104	27.7		7.8		17.5		62.3		4.4		23.1		4		88				<0.2		4.4	
SR3	Sunny	Moderate	13:31	8.4	Surface	1.0	0.4	216	28.8	28.8	7.6	7.6	7.1	7.0	62.2	62.2	4.6	4.5	11.3	10.3	10	10	-	-	822129	807568	-	-	-	-
						1.0	0.5	223	28.8		7.6		6.9		62.2		4.6		11.3		11		-				-		-	
					Middle	4.2	0.4	248	28.1	28.1	7.7	7.7	13.0	13.0	59.1	59.1	4.3		9.5		11		-				-		-	
						4.2	0.4	263	28.1		7.7		13.0		59.1		4.3		9.5		9		-				-		-	
					Bottom	7.4	0.4	249	27.7	27.7	7.7	7.7	14.6	14.7	60.6	60.6	4.4	4.4	10.2		8		-				-		-	
						7.4	0.4	257	27.7		7.7		14.7		60.6		4.4		10.2		8		-				-		-	
SR4A	Cloudy	Moderate	15:00	8.4	Surface	1.0	0.1	320	29.5	29.5	7.9	7.9	14.3	14.3	93.6	93.5	6.6	5.9	7.9	10.1	7	8	-	-	817193	807839	-	-	-	-
						1.0	0.1	341	29.5		7.9		14.3		93.4		6.6		8.3		9		-				-		-	
					Middle	4.2	0.1	304	29.0	29.0	7.9	7.9	14.8	14.8	72.8	72.5	5.2		8.7		7		-				-		-	
						4.2	0.1	329	29.0		7.9		14.8		72.2		5.1		8.8		7		-				-		-	
					Bottom	7.4	0.1	135	27.5	27.5	7.8	7.8	20.9	20.9	68.3	68.6	4.8	4.8	13.4		10		-				-		-	
						7.4	0.1	135	27.5		7.8		20.9		68.8		4.8		13.5		8		-				-		-	
SR5A	Cloudy	Calm	15:13	4.6	Surface	1.0	0.2	321	29.1	29.1	7.9	7.9	14.6	14.6	90.4	90.4	6.4	6.4	4.6	4.5	9	8	-	-	816586	810690	-	-	-	-
						1.0	0.2	341	29.1		7.9		14.6		90.4		6.4		4.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	335	29.1	29.1	7.9	7.9	14.7	14.7	92.2	92.3	6.5	6.5	4.3		7		-				-		-	
						3.6	0.2	348	29.1		7.9		14.7		92.3		6.5		4.3		7		-				-		-	
SR6	Cloudy	Calm	15:38	4.3	Surface	1.0	0.0	197	29.7	29.7	7.8	7.8	9.4	9.4	85.7	85.7	6.2	6.2	6.6	7.6	6	6	-	-	817916	814665	-	-	-	-
						1.0	0.0	209	29.7		7.8		9.4		85.7		6.2		6.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	46	28.9	28.9	7.8	7.8	13.4	13.4	86.8	86.9	6.2	6.2	8.6		4		-				-		-	
						3.3	0.1	47	29.0		7.8		13.4		87.0		6.2		8.6		6		-				-		-	
SR7	Sunny	Moderate	15:33	17.2	Surface	1.0	0.1	274	28.9	28.9	7.9	7.9	14.4	14.4	80.0	80.0	5.7	5.0	7.7	9.5	2	3	-	-	823636	823715	-	-	-	-
						1.0	0.1	286	28.9		7.9		14.4		79.9		5.7		7.7		4		-				-		-	
					Middle	8.6	0.2	134	26.5	26.5	7.9	7.9	23.2	23.2	60.5	60.5	4.3		8.0		3		-				-		-	
						8.6	0.2	145	26.5		7.9		23.2		60.5		4.3		8.0		4		-				-		-	
					Bottom	16.2	0.1	71	24.5	24.5	8.0	8.0	29.6	29.6	53.9	54.0	3.8	3.8	12.6		2		-				-		-	
						16.2	0.1	76	24.5		8.0		29.6		54.0		3.8		12.8		4		-				-		-	
SR8	Sunny	Moderate	14:22	4.6	Surface	1.0	-	-	29.1	29.1	7.8	7.8	6.8	6.8	69.5	69.5	5.1	5.1	12.4	15.9	8	8	-	-	820433	811598	-	-	-	-
						1.0	-	-	29.1		7.8		6.8		69.4		5.1		12.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	27.2	27.2	7.9	7.9	16.0	16.0	57.0	57.0	4.1	4.1	19.4		9		-				-		-	
						3.6	-	-	27.1		7.9		16.1		56.9		4.1		19.2		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Due to safety reason, the monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
C1	Fine	Moderate	10:08	8.3	Surface	1.0	0.9	208	28.7	28.7	7.9	7.9	17.0	17.0	60.3	60.1	4.3	3.7	3.9	8.0	4	6	77	85	815623	804260	<0.2	<0.2	<0.2	3.4	3.8
						1.0	1.0	228	28.7		7.9		16.9		59.8		4.2		4.0		6		78				<0.2			3.8	
					Middle	4.2	0.7	224	26.6	26.6	7.9	7.9	25.5	25.5	46.0	46.0	3.2		6.6		6		87				<0.2	<0.2		3.7	
						4.2	0.8	226	26.6		7.9		25.5		45.9		3.2		6.7		5		87				<0.2			3.8	
					Bottom	7.3	0.6	228	26.1	26.1	7.9	7.9	27.8	27.8	41.8	41.8	2.9	2.9	13.4		7		91				<0.2	<0.2		3.9	
						7.3	0.6	237	26.1		7.9		27.8		41.8		2.9		13.3		8		92				<0.2			4.0	
C2	Sunny	Moderate	11:42	11.2	Surface	1.0	1.5	174	29.5	29.5	7.9	7.9	10.1	10.1	78.2	78.2	5.7	4.8	10.3	20.0	6	6	77	84	825657	806947	<0.2	<0.2	<0.2	5.2	5.2
						1.0	1.5	176	29.5		7.9		10.1		78.2		5.7		10.3		5		77				<0.2			5.3	
					Middle	5.6	0.9	180	26.1	26.1	7.9	7.9	23.6	23.6	54.9	54.9	3.9		22.0		6		84				<0.2	<0.2		4.8	
						5.6	1.0	196	26.1		7.9		23.6		54.9		3.9		22.0		6		84				<0.2			5.2	
					Bottom	10.2	0.3	148	26.0	26.0	7.9	7.9	25.5	25.5	62.2	62.2	4.4	4.4	27.7		6		90				<0.2	<0.2		5.3	
						10.2	0.3	160	26.0		7.9		25.5		62.2		4.4		27.7		6		90				<0.2			5.3	
C3	Sunny	Moderate	09:32	11.8	Surface	1.0	0.3	145	27.9	27.9	8.0	8.0	16.4	16.4	73.1	73.1	5.2	4.9	7.5	8.5	5	6	74	80	822083	817790	<0.2	<0.2	<0.2	4.7	4.8
						1.0	0.3	145	27.9		8.0		16.4		73.1		5.2		7.5		5		75				<0.2			4.8	
					Middle	5.9	0.1	94	26.7	26.7	8.0	8.0	22.9	22.9	64.0	64.0	4.5		7.5		5		82				<0.2	<0.2		5.0	
						5.9	0.1	98	26.7		8.0		22.9		64.0		4.5		7.5		5		81				<0.2			4.6	
					Bottom	10.8	0.2	78	25.0	25.0	8.0	8.0	28.7	28.7	57.6	57.6	4.1	4.1	10.5		7		85				<0.2	<0.2		4.7	
						10.8	0.3	80	25.0		8.0		28.7		57.6		4.1		10.5		7		84				<0.2			4.9	
IM1	Fine	Moderate	10:33	5.9	Surface	1.0	0.5	186	27.2	27.2	8.0	8.0	21.5	21.5	64.8	64.8	4.6	4.6	9.7	8.0	10	11	85	89	817944	807158	<0.2	<0.2	<0.2	3.8	3.6
						1.0	0.5	188	27.2		8.0		21.5		64.8		4.6		9.7		10		85				<0.2			3.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.9	0.1	195	26.1	26.1	7.9	7.9	27.8	27.8	50.2	50.2	3.5	3.5	6.2		13		92				<0.2	<0.2		3.6	
						4.9	0.1	199	26.1		7.9		27.8		50.2		3.5		6.2		12		92				<0.2			3.3	
IM2	Fine	Moderate	10:41	6.6	Surface	1.0	0.8	222	28.1	28.1	7.9	7.9	18.3	18.3	68.8	68.8	4.9	4.6	8.7	12.9	6	7	82	85	818144	806182	<0.2	<0.2	<0.2	3.2	3.1
						1.0	0.8	235	28.1		7.9		18.3		68.8		4.9		8.8		6		82				<0.2			2.8	
					Middle	3.3	0.7	212	27.3	27.3	7.9	7.9	21.6	21.5	60.8	60.8	4.3		13.5		7		85				<0.2	<0.2		3.0	
						3.3	0.7	229	27.3		7.9		21.4		60.8		4.3		14.2		7		85				<0.2			3.3	
					Bottom	5.6	0.4	195	26.5	26.5	7.9	7.9	25.6	25.6	53.3	53.3	3.7	3.7	16.0		7		88				<0.2	<0.2		3.1	
						5.6	0.4	203	26.5		7.9		25.6		53.3		3.7		16.1		7		88				<0.2			3.1	
IM3	Fine	Moderate	10:54	6.4	Surface	1.0	0.9	228	28.2	28.2	7.8	7.8	17.7	17.7	67.0	67.0	4.7	4.6	8.5	12.4	8	10	80	83	818775	805584	<0.2	<0.2	<0.2	3.0	3.0
						1.0	1.0	233	28.2		7.8		17.7		67.0		4.7		8.6		9		80				<0.2			3.0	
					Middle	3.2	0.8	225	27.9	27.9	7.9	7.9	18.5	18.3	62.9	62.9	4.5		13.2		11		81				<0.2	<0.2		2.7	
						3.2	0.9	243	27.9		7.9		18.1		62.8		4.5		13.5		11		82				<0.2			2.8	
					Bottom	5.4	0.6	215	27.1	27.1	7.8	7.8	22.9	22.9	63.1	63.3	4.4	4.4	15.4		11		86				<0.2	<0.2		3.0	
						5.4	0.7	229	27.1		7.8		22.9		63.5		4.4		15.4		11		86				<0.2			3.2	
IM4	Fine	Moderate	11:06	6.2	Surface	1.0	1.2	217	28.8	28.8	7.7	7.7	13.5	13.6	69.9	69.9	5.0	4.8	9.7	12.1	8	9	76	80	819715	804604	<0.2	<0.2	<0.2	4.4	4.5
						1.0	1.2	220	28.9		7.7		13.6		69.9		5.0		9.7		7		76				<0.2			4.5	
					Middle	3.1	0.9	220	27.9	27.9	7.8	7.8	18.4	18.4	64.8	64.8	4.6		12.4		9		81				<0.2	<0.2		4.3	
						3.1	0.9	223	27.9		7.8		18.4		64.8		4.6		12.8		9		81				<0.2			4.5	
					Bottom	5.2	0.6	215	27.5	27.5	7.8	7.8	19.7	19.7	63.3	63.4	4.5	4.5	14.1		11		83				<0.2	<0.2		4.6	
						5.2	0.6	226	27.5		7.8		19.7		63.5		4.5		14.1		10		84				<0.2			4.4	
IM5	Fine	Moderate	11:15	6.9	Surface	1.0	1.0	213	29.2	29.2	7.7	7.7	13.8	13.5	72.1	72.1	5.1	4.7	6.3	10.1	9	9	75	79	820716	804857	<0.2	<0.2	<0.2	4.0	4.0
						1.0	1.0	224	29.2		7.7		13.1		72.1		5.1		6.4		8		76				<0.2			4.1	
					Middle	3.5	0.9	222	28.8	28.8	7.8	7.8	14.9	14.6	60.2	60.1	4.3		9.7		9		77				<0.2	<0.2		3.9	
						3.5	0.9	225	28.8		7.8		14.3		60.0		4.3		9.9		9		77				<0.2			4.0	
					Bottom	5.9	0.7	241	27.3	27.3	7.8	7.8	21.8	21.8	57.7	57.8	4.1	4.1	14.3		10		86				<0.2	<0.2		4.0	
						5.9	0.8	265	27.3		7.8		21.8		57.9		4.1		14.1		10		85				<0.2			4.0	
IM6	Fine	Moderate	11:23	6.7	Surface	1.0	1.2	248	28.1	28.1	7.8	7.8	17.7	17.7	68.8	68.8	4.9	4.7	6.1	9.3	6	8	81	83	821063	805829	<0.2	<0.2	<0.2	3.6	3.8
						1.0	1.2	265	28.1		7.8		17.7		68.8		4.9		6.2		6		81				<0.2			3.4	
					Middle	3.4	1.1	249	28.0	28.0	7.8	7.8	17.9	17.9	61.7	61.7	4.4		7.2		7		82				<0.2	<0.2		4.1	
						3.4	1.2	270	28.0		7.8		17.9		61.6		4.4		7.3		7		82				<0.2			3.9	
					Bottom	5.7	0.8	240	27.2	27.2	7.8	7.8	21.5	21.5	54.6	54.6	3.8	3.9	14.5		9		86				<0.2	<0.2		3.9	
						5.7	0.8	263	27.2		7.8		21.4		54.6		3.9		14.4		10		86				<0.2			3.6	
IM7	Fine	Moderate	11:34	7.2	Surface	1.0	1.0	247	28.1	28.1	7.7	7.7	16.4	16.4	67.9	67.9	4.8	4.6	10.4	12.9	5	5	80	82	821362	806822	<0.2	<0.2	<0.2	3.7	3.5
						1.0	1.1	265	28.1		7.7		16.4		67.9		4.8		10.5		6		79				<0.2			3.8	
					Middle	3.6	0.9	252	27.7	27.7	7.8	7.8	17.9	17.9	60.3	60.3	4.3		12.7		5		81				<0.2	<0.2		3.5	
						3.6	1.0	253	27.7		7.8		17.9		60.3		4.3		12.9		5		82				<0.2			3.3	
					Bottom	6.2	0.9	253	27.7	27.7	7.8	7.8	18.1	18.1	66.8	66.9	4.8	4.8	15.3		5		84				<0.2	<0.2		3.1	
						6.2	0.9	253	27.7		7.8		18.1		67.0		4.8		15.4		6		84				<0.2			3.5	
IM8	Sunny	Moderate	11:08	7.4	Surface	1.0	0.6	185	28.4	28.4	7.9	7.9	14.8	14.8	66.8	66.8	4.8	4.6	8.3	8.5	4	5	68	74	821820	808130	<0.2	<0.2	<0.2	5.2	4.9
						1.0	0.6	198	28.4		7.9		14.8		66.8		4.8		8.3		3		69				<0.2			4.4	
					Middle	3.7	0.3	209	27.5	27.5	7.9	7.9	18.6	18.6	60.1	60.1	4.3		8.5		5		74				<0.2	<0.2		4.8	
						3.7	0.3	227	27.5		7.9		18.6		60.1		4.3		8.5		5		76				<0.2			4.9	
					Bottom	6.4	0.3	254	27.4	27.4	7.9	7.9	20.3	20.3	63.5	63.5	4.5	4.5	8.6		7		77				<0.2	<0.2		5.0	
						6.4	0.3	277	27.4		7.9		20.3		63.5		4.5		8.6		6		79				<0.2			5.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
IM9	Sunny	Moderate	11:05	6.5	Surface	1.0	0.6	157	28.7	28.7	7.9	7.9	12.9	12.9	68.4	68.4	4.9	4.6	8.6	9.6	3	4	71	74	822089	808808	<0.2	<0.2	<0.2	5.0	5.0
						1.0	0.6	166	28.7		7.9		12.9		68.4		4.9		8.6		3		70				<0.2			4.8	
					Middle	3.3	0.3	136	27.4	27.4	7.9	7.9	20.2	20.2	59.4	59.4	4.2		9.3		4		72				<0.2	<0.2		5.2	
						3.3	0.3	148	27.4		7.9		20.2		59.4		4.2		9.3		4		74				<0.2			4.9	
					Bottom	5.5	0.1	66	27.0	27.0	7.9	7.9	22.1	22.1	66.2	66.2	4.7	4.7	11.0		5		77				<0.2	<0.2		5.2	
						5.5	0.1	72	27.0		7.9		22.1		66.2		4.7		11.0		6		77				<0.2			5.0	
IM10	Sunny	Moderate	10:59	7.1	Surface	1.0	0.8	131	28.0	28.0	7.9	7.9	15.1	15.1	66.6	66.6	4.8	4.6	8.1	10.9	4	5	70	74	822370	809795	<0.2	<0.2	<0.2	4.9	5.2
						1.0	0.8	135	28.0		7.9		15.1		66.6		4.8		8.1		4		72				<0.2			5.1	
					Middle	3.6	0.6	117	26.8	26.8	7.9	7.9	23.1	23.1	61.4	61.4	4.3		10.9		5		75				<0.2	<0.2		5.5	
						3.6	0.6	128	26.8		7.9		23.1		61.4		4.3		10.9		5		75				<0.2			5.0	
					Bottom	6.1	0.5	108	26.6	26.6	7.9	7.9	24.5	24.5	53.0	53.0	3.7	3.7	13.7		6		76				<0.2	<0.2		5.2	
						6.1	0.5	111	26.6		7.9		24.5		53.0		3.7		13.7		6		77				<0.2			5.2	
IM11	Sunny	Moderate	10:47	7.1	Surface	1.0	0.9	108	28.8	28.8	7.9	7.9	14.2	14.2	74.2	74.2	5.3	4.8	8.9	11.7	4	5	71	76	822051	811474	<0.2	<0.2	<0.2	4.9	4.9
						1.0	1.0	116	28.8		7.9		14.2		74.2		5.3		8.9		4		72				<0.2			4.9	
					Middle	3.6	0.7	105	27.8	27.8	7.9	7.9	17.2	17.2	60.3	60.3	4.3		10.7		4		76				<0.2	<0.2		4.9	
						3.6	0.7	115	27.8		7.9		17.2		60.3		4.3		10.7		4		75				<0.2			5.0	
					Bottom	6.1	0.4	83	26.5	26.5	7.9	7.9	24.3	24.3	57.1	57.1	4.0	4.0	15.4		6		80				<0.2	<0.2		4.6	
						6.1	0.4	91	26.5		7.9		24.3		57.1		4.0		15.4		6		79				<0.2			4.8	
IM12	Sunny	Moderate	10:40	8.6	Surface	1.0	0.4	101	28.6	28.6	8.0	8.0	16.1	16.1	72.3	72.3	5.1	4.7	9.1	17.0	7	8	75	78	821462	812066	<0.2	<0.2	<0.2	4.9	4.8
						1.0	0.4	107	28.6		8.0		16.1		72.3		5.1		9.1		6		74				<0.2			4.7	
					Middle	4.3	0.5	99	26.8	26.8	7.9	7.9	23.5	23.5	61.4	61.4	4.3		20.3		8		79				<0.2	<0.2		4.9	
						4.3	0.5	100	26.8		7.9		23.5		61.4		4.3		20.3		9		78				<0.2			4.6	
					Bottom	7.6	0.4	95	26.7	26.7	7.9	7.9	24.2	24.2	51.1	51.1	3.6	3.6	21.5		10		82				<0.2	<0.2		5.0	
						7.6	0.4	104	26.7		7.9		24.2		51.1		3.6		21.5		10		82				<0.2			4.7	
SR2	Sunny	Moderate	09:58	4.9	Surface	1.0	0.6	72	28.1	28.1	8.0	8.0	16.8	16.8	63.5	63.5	4.5	4.5	9.5	10.1	4	5	78	82	821460	814157	<0.2	<0.2	<0.2	4.7	4.7
						1.0	0.6	75	28.1		8.0		16.8		63.5		4.5		9.5		5		79				<0.2			4.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.9	0.4	72	26.9	26.9	7.9	7.9	22.4	22.4	69.5	69.5	4.9	4.9	10.7		6		85				<0.2	<0.2		4.6	
						3.9	0.4	72	26.9		7.9		22.4		69.5		4.9		10.7		6		84				<0.2			4.8	
SR3	Sunny	Moderate	11:18	8.2	Surface	1.0	1.0	188	28.8	28.8	7.8	7.8	11.9	11.9	68.4	68.4	4.9	4.6	9.3	11.1	4	5	-	-	822124	807559	-	-	-	-	-
						1.0	1.0	189	28.8		7.8		11.9		68.4		4.9		9.3		4		-				-			-	
					Middle	4.1	0.3	230	26.7	26.7	7.9	7.9	23.8	23.8	59.6	59.6	4.2		11.4		5		-				-	-		-	
						4.1	0.3	246	26.7		7.9		23.8		59.6		4.2		11.4		4		-				-			-	
					Bottom	7.2	0.2	246	26.6	26.6	7.9	7.9	24.5	24.5	52.6	52.6	3.7	3.7	12.5		5		-				-	-		-	
						7.2	0.2	263	26.6		7.9		24.5		52.6		3.7		12.5		5		-				-			-	
SR4A	Fine	Calm	09:47	8.8	Surface	1.0	0.3	258	28.7	28.7	7.9	7.9	16.2	16.3	74.0	73.9	5.2	4.8	5.1	9.5	4	5	-	-	817161	807810	-	-	-	-	-
						1.0	0.3	277	28.7		7.9		16.3		73.8		5.2		5.1		4		-				-			-	
					Middle	4.4	0.3	248	26.2	26.2	7.9	7.9	27.7	27.7	64.2	64.2	4.4		10.7		5		-				-	-		-	
						4.4	0.3	265	26.2		7.9		27.7		64.2		4.4		10.7		5		-				-			-	
					Bottom	7.8	0.2	251	26.0	26.0	7.9	7.9	28.1	28.1	50.0	50.2	3.5	3.5	12.6		7		-				-	-		-	
						7.8	0.2	258	26.0		7.9		28.1		50.3		3.5		12.5		7		-				-			-	
SR5A	Fine	Calm	09:30	4.7	Surface	1.0	0.1	346	29.6	29.6	8.0	8.0	14.6	14.6	71.5	71.0	5.0	5.0	6.6	8.2	6	8	-	-	816602	810719	-	-	-	-	-
						1.0	0.1	346	29.6		8.0		14.6		70.5		5.0		6.7		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.7	0.2	310	26.9	26.9	7.8	7.8	24.2	24.2	53.9	54.1	3.8	3.8	9.7		9		-				-	-		-	
						3.7	0.3	333	26.9		7.8		24.2		54.2		3.8		9.7		9		-				-			-	
SR6	Fine	Calm	09:05	4.3	Surface	1.0	0.1	54	28.8	28.8	7.8	7.8	15.2	15.2	67.7	66.7	4.8	4.8	6.2	7.0	8	8	-	-	817904	814637	-	-	-	-	-
						1.0	0.1	57	28.8		7.8		15.2		65.6		4.7		6.6		9		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.3	0.0	313	27.4	27.4	7.8	7.8	20.5	20.5	72.1	72.4	5.1	5.1	7.5		8		-				-	-		-	
						3.3	0.0	315	27.4		7.8		20.5		72.7		5.1		7.6		8		-				-			-	
SR7	Sunny	Moderate	08:45	16.5	Surface	1.0	0.5	51	28.0	28.0	8.0	8.0	17.2	17.2	78.9	78.9	5.6	5.2	7.3	7.6	6	7	-	-	823638	823743	-	-	-	-	-
						1.0	0.5	55	28.0		8.0		17.2		78.9		5.6		7.3		6		-				-			-	
					Middle	8.3	0.2	57	26.4	26.4	8.0	8.0	24.8	24.8	69.2	69.2	4.8		7.4		8		-				-	-		-	
						8.3	0.2	58	26.4		8.0		24.8		69.2		4.8		7.4		7		-				-			-	
					Bottom	15.5	0.3	21	24.5	24.5	7.9	7.9	30.4	30.4	60.8	60.8	4.3	4.3	8.0		8		-				-	-		-	
						15.5	0.3	22	24.5		7.9		30.4		60.8		4.3		8.0		8		-				-			-	
SR8	Sunny	Moderate	10:16	5.0	Surface	1.0	-	-	29.0	29.0	8.1	8.1	15.2	15.2	72.0	72.0	5.1	5.1	10.2	10.8	4	5	-	-	820507	811644	-	-	-	-	-
						1.0	-	-	29.0		8.1		15.2		72.0		5.1		10.2		4		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.0	-	-	27.8	27.8	8.0	8.0	21.5	21.5	66.7	66.7	4.7	4.7	11.4		5		-				-	-		-	
						4.0	-	-	27.8		8.0		21.5		66.7		4.7		11.4		5		-				-			-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
C1	Fine	Moderate	16:46	7.2	Surface	1.0	0.1	176	28.5	28.5	8.0	8.0	17.2	17.2	69.1	69.1	4.9	4.5	8.4	9.8	10	10	81	85	815615	804219	<0.2	<0.2	<0.2	3.0	3.0
						1.0	0.1	180	28.5		8.0		17.2		69.1		4.9		8.4		10		81				<0.2			3.0	
					Middle	3.6	0.1	86	27.6	27.6	7.9	7.9	20.4	20.4	58.2	58.2	4.1		8.3		10		85				<0.2	<0.2		2.9	
						3.6	0.1	87	27.6		7.9		20.4		58.1		4.1		8.4		11		86				<0.2			3.0	
					Bottom	6.2	0.2	61	26.8	26.8	7.9	7.9	24.3	24.3	49.3	49.3	3.4	3.4	12.5		10		88				<0.2	<0.2		3.0	
						6.2	0.2	62	26.8		7.9		24.3		49.3		3.4		12.6		10		88				<0.2			3.1	
C2	Sunny	Moderate	15:48	10.5	Surface	1.0	1.4	174	29.0	29.0	7.7	7.7	10.2	10.2	60.9	60.9	4.4	3.9	10.9	12.7	6	7	70	74	825670	806941	<0.2	<0.2	<0.2	5.1	5.0
						1.0	1.4	179	29.0		7.7		10.2		60.9		4.4		10.9		7		70				<0.2			5.0	
					Middle	5.3	0.7	168	26.6	26.6	7.9	7.9	22.4	22.4	46.9	46.9	3.3		13.2		7		73				<0.2	<0.2		5.0	
						5.3	0.7	170	26.6		7.9		22.4		46.9		3.3		13.2		7		73				<0.2			4.8	
					Bottom	9.5	0.0	288	26.2	26.2	8.0	8.0	24.7	24.7	47.4	47.4	3.3	3.3	13.9		7		80				<0.2	<0.2		5.5	
						9.5	0.0	307	26.2		8.0		24.7		47.4		3.3		13.9		7		78				<0.2			4.7	
C3	Cloudy	Moderate	17:29	12.2	Surface	1.0	0.4	270	29.0	29.0	8.1	8.1	17.0	17.0	80.9	80.9	5.7	5.0	8.9	9.4	6	7	77	82	822108	817799	<0.2	<0.2	<0.2	5.0	5.2
						1.0	0.4	290	29.0		8.1		17.0		80.9		5.7		8.9		6		76				<0.2			4.9	
					Middle	6.1	0.4	236	26.0	26.0	7.9	7.9	25.4	25.4	59.4	59.4	4.2		9.7		6		81				<0.2	<0.2		5.3	
						6.1	0.4	253	26.0		7.9		25.4		59.4		4.2		9.7		6		82				<0.2			5.2	
					Bottom	11.2	0.3	276	26.0	26.0	7.9	7.9	25.8	25.8	69.1	69.4	4.9	4.9	9.7		9		87				<0.2	<0.2		5.4	
						11.2	0.3	292	26.0		7.9		25.7		69.7		4.9		9.6		9		86				<0.2			5.2	
IM1	Fine	Moderate	16:25	3.8	Surface	1.0	0.3	18	28.0	28.0	8.0	8.0	20.7	20.7	66.4	66.4	4.6	4.6	10.2	10.9	11	13	84	87	817936	807121	<0.2	<0.2	<0.2	2.2	2.2
						1.0	0.3	19	28.0		8.0		20.7		66.4		4.6		10.3		12		84				<0.2			2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	2.8	0.3	14	27.9	27.9	8.0	8.0	21.5	21.5	69.1	69.2	4.8	4.8	11.5		14		89				<0.2	<0.2		2.2	
						2.8	0.3	14	27.9		8.0		21.5		69.2		4.8		11.6		14		89				<0.2			2.1	
IM2	Fine	Moderate	16:18	6.4	Surface	1.0	0.3	202	29.1	29.1	8.0	8.0	14.0	14.2	70.1	70.0	5.0	4.6	10.7	13.0	17	18	79	84	818188	806151	<0.2	<0.2	<0.2	3.7	3.6
						1.0	0.3	208	29.1		8.0		14.3		69.8		5.0		10.8		17		79				<0.2			3.4	
					Middle	3.2	0.1	8	27.6	27.6	8.0	8.0	21.1	21.2	57.8	57.8	4.1		12.8		18		85				<0.2	<0.2		3.2	
						3.2	0.1	8	27.6		8.0		21.2		57.8		4.1		12.8		18		86				<0.2			4.0	
					Bottom	5.4	0.2	5	27.3	27.3	8.0	8.0	22.3	22.3	55.3	55.3	3.9	3.9	15.3		18		87				<0.2	<0.2		3.5	
						5.4	0.2	5	27.3		8.0		22.3		55.3		3.9		15.4		18		88				<0.2			3.8	
IM3	Fine	Moderate	16:11	6.9	Surface	1.0	0.6	226	29.2	29.2	7.8	7.8	12.8	12.8	74.2	74.2	5.3	4.7	13.8	16.9	24	28	77	84	818780	805592	<0.2	<0.2	<0.2	3.5	3.6
						1.0	0.6	230	29.3		7.8		12.8		74.1		5.3		13.8		25		77				<0.2			3.8	
					Middle	3.5	0.3	251	27.7	27.7	7.9	7.9	19.8	19.8	57.8	57.8	4.1		16.3		28		84				<0.2	<0.2		3.8	
						3.5	0.3	268	27.7		7.9		19.8		57.7		4.1		16.3		27		84				<0.2			3.4	
					Bottom	5.9	0.2	338	26.2	26.2	7.9	7.9	27.5	27.5	56.3	56.3	3.9	3.9	20.4		30		90				<0.2	<0.2		3.7	
						5.9	0.3	311	26.2		7.9		27.5		56.3		3.9		20.7		31		90				<0.2			3.5	
IM4	Fine	Moderate	16:01	6.8	Surface	1.0	0.4	233	28.5	28.5	7.8	7.8	15.4	15.4	74.1	74.1	5.3	4.8	14.3	17.3	26	27	80	83	819698	804603	<0.2	<0.2	<0.2	3.8	3.7
						1.0	0.4	243	28.5		7.8		15.4		74.1		5.3		14.6		27		81				<0.2			3.7	
					Middle	3.4	0.3	226	28.0	28.0	7.8	7.8	16.9	16.9	59.7	59.7	4.3		17.6		27		82				<0.2	<0.2		3.6	
						3.4	0.3	234	28.0		7.8		16.9		59.6		4.3		17.3		26		81				<0.2			3.7	
					Bottom	5.8	0.5	213	27.4	27.4	7.8	7.8	20.1	20.1	55.6	55.7	3.9	3.9	20.3		27		85				<0.2	<0.2		3.6	
						5.8	0.5	229	27.4		7.8		20.1		55.7		3.9		19.9		28		86				<0.2			3.6	
IM5	Fine	Moderate	15:54	6.6	Surface	1.0	1.0	240	28.5	28.5	7.7	7.7	14.6	14.6	67.7	67.7	4.8	4.6	13.3	16.2	11	12	79	80	820747	804866	<0.2	<0.2	<0.2	3.3	3.6
						1.0	1.0	252	28.5		7.7		14.6		67.7		4.8		13.1		10		78				<0.2			3.5	
					Middle	3.3	1.0	234	28.0	28.0	7.7	7.7	16.3	16.3	61.3	61.3	4.4		16.1		12		80				<0.2	<0.2		3.5	
						3.3	1.0	247	28.0		7.7		16.3		61.3		4.4		15.8		11		80				<0.2			3.8	
					Bottom	5.6	0.9	227	28.0	28.0	7.7	7.7	16.6	16.6	63.4	63.5	4.5	4.5	19.3		14		81				<0.2	<0.2		3.6	
						5.6	0.9	243	28.0		7.7		16.6		63.5		4.5		19.5		14		81				<0.2			3.6	
IM6	Fine	Moderate	15:47	6.3	Surface	1.0	0.9	252	28.2	28.2	7.7	7.7	15.3	15.3	70.2	70.2	5.0	4.9	14.1	17.1	11	14	78	80	821070	805839	<0.2	<0.2	<0.2	4.0	3.8
						1.0	1.0	272	28.2		7.7		15.3		70.2		5.0		14.0		12		79				<0.2			3.9	
					Middle	3.2	0.9	250	28.0	28.0	7.7	7.7	16.0	16.1	65.5	65.5	4.7		17.2		13		80				<0.2	<0.2		3.5	
						3.2	1.0	251	28.0		7.7		16.1		65.5		4.7		16.9		13		79				<0.2			3.8	
					Bottom	5.3	0.7	246	27.9	27.9	7.7	7.7	16.7	16.7	63.8	63.9	4.6	4.6	20.2		16		81				<0.2	<0.2		3.8	
						5.3	0.8	250	27.9		7.7		16.7		64.0		4.6		20.3		16		81				<0.2			3.6	
IM7	Fine	Moderate	15:41	7.0	Surface	1.0	1.0	237	28.9	28.9	7.7	7.7	11.6	11.6	73.5	73.5	5.3	5.0	6.0	9.2	5	7	76	79	821350	806858	<0.2	<0.2	<0.2	4.1	4.3
						1.0	1.0	258	28.9		7.7		11.6		73.5		5.3		6.0		6		76				<0.2			4.2	
					Middle	3.5	0.9	253	27.9	27.9	7.7	7.7	16.5	16.5	63.7	63.8	4.6		10.4		7		80				<0.2	<0.2		4.3	
						3.5	0.9	268	27.9		7.7		16.5		63.8		4.6		10.5		7		79				<0.2			4.3	
					Bottom	6.0	0.8	255	27.9	27.9	7.7	7.7	16.5	16.5	70.1	70.3	5.0	5.1	11.1		7		81				<0.2	<0.2		4.5	
						6.0	0.8	255	27.9		7.7		16.5		70.5		5.1		10.9		8		81				<0.2			4.1	
IM8	Sunny	Moderate	16:12	6.9	Surface	1.0	0.5	184	29.6	29.6	7.9	7.9	10.5	10.5	80.4	80.4	5.8	5.7	10.5	10.5	6	6	68	74	821815	808143	<0.2	<0.2	<0.2	4.9	4.8
						1.0	0.5	200	29.6		7.9		10.5		80.4		5.8		10.5		6		71				<0.2			4.6	
					Middle	3.5	0.3	199	28.8	28.8	7.9	7.9	12.7	12.7	76.1	76.1	5.5		10.4		6		73				<0.2	<0.2		5.0	
						3.5	0.3	199	28.8		7.9		12.7		76.1		5.5		10.4		6		74				<0.2			4.8	
					Bottom	5.9	0.2	248	28.7	28.7	7.8	7.8	13.7	13.7	77.9	77.9	5.6	5.6	10.6		7		78				<0.2	<0.2		4.7	
						5.9	0.2	257	28.7		7.8		13.7		77.9		5.6		10.6		7		78				<0.2			5.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
IM9	Sunny	Moderate	16:18	6.5	Surface	1.0	0.4	166	30.0	30.0	7.8	7.8	6.8	6.8	77.1	77.1	5.6	5.5	10.2	9.8	5	6	72	75	822073	808811	<0.2	<0.2	<0.2	4.6	4.9
						1.0	0.4	180	30.0		7.8		6.8		77.1		5.6		10.2		5		71				<0.2			5.0	
					Middle	3.3	0.1	135	28.9	28.9	7.8	7.8	13.3	13.3	74.2	74.2	5.3		9.7		6		73				<0.2	<0.2		5.0	
						3.3	0.1	135	28.9		7.8		13.3		74.2		5.3		9.7		6		73				<0.2			5.3	
					Bottom	5.5	0.1	1	28.4	28.4	7.8	7.8	14.4	14.4	75.3	75.3	5.4	5.4	9.5		6		79				<0.2	<0.2		4.6	
						5.5	0.1	1	28.4		7.8		14.4		75.3		5.4		9.5		6		80				<0.2			4.9	
IM10	Sunny	Moderate	16:26	7.0	Surface	1.0	0.4	147	30.0	30.0	7.9	7.9	12.2	11.7	78.9	78.9	5.6	5.0	9.7	9.2	7	8	71	75	822382	809791	<0.2	<0.2	<0.2	4.8	4.7
						1.0	0.4	151	30.0		7.9		11.2		78.9		5.6		9.7		7		72				<0.2			5.0	
					Middle	3.5	0.2	97	27.9	27.9	7.9	7.9	16.6	16.6	59.6	59.6	4.3		9.0		7		73				<0.2	<0.2		4.5	
						3.5	0.2	103	27.9		7.9		16.6		59.6		4.3		9.0		7		75				<0.2			4.8	
					Bottom	6.0	0.1	95	27.2	27.2	7.8	7.8	20.8	20.8	62.0	62.0	4.4	4.4	8.9		9		78				<0.2	<0.2		4.7	
						6.0	0.1	100	27.2		7.8		20.8		62.0		4.4		8.9		9		78				<0.2			4.5	
IM11	Sunny	Moderate	16:36	7.2	Surface	1.0	0.3	98	29.3	29.3	7.9	7.9	12.3	12.3	71.1	71.1	5.1	4.7	10.3	11.9	5	6	69	75	822046	811444	<0.2	<0.2	<0.2	4.6	4.5
						1.0	0.3	99	29.3		7.9		12.3		71.1		5.1		10.3		5		71				<0.2			4.6	
					Middle	3.6	0.2	39	27.9	27.9	7.9	7.9	17.3	17.3	60.0	60.0	4.3		11.4		6		75				<0.2	<0.2		4.6	
						3.6	0.2	40	27.9		7.9		17.3		60.0		4.3		11.4		6		74				<0.2			4.0	
					Bottom	6.2	0.2	326	27.6	27.6	7.8	7.8	19.6	19.6	60.8	60.8	4.3	4.3	14.0		6		80				<0.2	<0.2		4.3	
						6.2	0.2	358	27.6		7.8		19.6		60.8		4.3		14.0		6		79				<0.2			4.8	
IM12	Cloudy	Moderate	16:43	7.8	Surface	1.0	0.2	113	29.3	29.3	7.9	7.9	12.2	12.2	75.5	75.5	5.4	5.2	9.5	10.2	6	6	72	77	821441	812027	<0.2	<0.2	<0.2	4.6	4.7
						1.0	0.2	113	29.3		7.9		12.2		75.5		5.4		9.5		6		71				<0.2			4.9	
					Middle	3.9	0.3	1	28.8	28.8	7.9	7.9	14.3	14.3	68.0	68.0	4.9		10.1		6		77				<0.2	<0.2		4.6	
						3.9	0.3	1	28.8		7.9		14.3		68.0		4.9		10.1		6		78				<0.2			4.5	
					Bottom	6.8	0.1	285	26.8	26.8	7.9	7.9	22.0	22.0	70.0	70.0	5.0	5.0	10.9		6		81				<0.2	<0.2		4.7	
						6.8	0.1	311	26.8		7.9		22.0		70.0		5.0		10.9		6		82				<0.2			4.9	
SR2	Cloudy	Moderate	17:07	3.8	Surface	1.0	0.1	331	29.1	29.1	7.9	7.9	13.3	13.3	84.7	84.7	6.0	6.0	10.4	10.6	4	5	75	79	821461	814166	<0.2	<0.2	<0.2	4.9	4.8
						1.0	0.1	345	29.1		7.9		13.3		84.7		6.0		10.5		5		74				<0.2			4.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	2.8	0.1	335	29.0	29.0	7.9	7.9	13.9	13.9	86.8	86.8	6.2	6.2	10.8		5		83				<0.2	<0.2		4.9	
						2.8	0.1	345	29.0		7.9		13.9		86.8		6.2		10.8		5		83				<0.2			4.7	
SR3	Sunny	Moderate	16:07	8.2	Surface	1.0	0.8	185	29.1	29.1	7.9	7.9	9.0	9.2	70.6	70.4	5.2	4.6	9.9	10.1	6	6	-	-	822113	807564	-	-	-	-	-
						1.0	0.9	198	29.1		7.9		9.3		70.1		5.1		9.9		5		-				-			-	
					Middle	4.1	0.5	216	27.4	27.4	7.8	7.8	18.8	18.8	57.8	57.8	4.1		10.1		6		-				-	-		-	
						4.1	0.5	237	27.4		7.8		18.8		57.8		4.1		10.1		6		-				-			-	
					Bottom	7.2	0.4	244	27.4	27.4	7.8	7.8	19.4	19.4	62.4	62.4	4.4	4.4	10.4		6		-				-	-		-	
						7.2	0.4	254	27.4		7.8		19.4		62.4		4.4		10.4		6		-				-			-	
SR4A	Fine	Calm	17:07	8.1	Surface	1.0	0.6	248	29.1	29.1	8.1	8.1	17.9	17.9	85.8	85.6	6.0	5.2	14.6	17.8	12	12	-	-	817194	807813	-	-	-	-	-
						1.0	0.6	271	29.1		8.1		17.9		85.4		5.9		14.7		12		-				-			-	
					Middle	4.1	0.6	251	28.2	28.2	7.9	7.9	20.3	20.3	63.9	63.7	4.5		16.9		12		-				-	-		-	
						4.1	0.6	268	28.2		7.9		20.3		63.4		4.4		17.0		12		-				-			-	
					Bottom	7.1	0.4	254	27.1	27.1	7.8	7.8	23.8	23.8	49.0	49.0	3.4	3.4	21.8		12		-				-	-		-	
						7.1	0.4	264	27.1		7.8		23.8		49.0		3.4		21.9		12		-				-			-	
SR5A	Fine	Calm	17:27	3.9	Surface	1.0	0.4	305	29.4	29.4	8.2	8.2	15.9	15.9	99.1	98.7	6.9	6.9	8.6	10.1	8	8	-	-	816613	810708	-	-	-	-	-
						1.0	0.5	320	29.4		8.2		15.9		98.3		6.9		8.7		8		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	2.9	0.4	307	28.7	28.7	8.0	8.0	18.2	18.2	90.1	90.2	6.3	6.3	11.5		8		-				-	-		-	
						2.9	0.4	313	28.7		8.0		18.2		90.2		6.3		11.6		8		-				-			-	
SR6	Fine	Calm	17:54	3.7	Surface	1.0	0.2	215	29.2	29.2	8.1	8.1	17.3	17.3	94.6	94.3	6.6	6.6	8.1	9.1	10	11	-	-	817879	814682	-	-	-	-	-
						1.0	0.2	224	29.2		8.1		17.3		94.0		6.6		8.2		10		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	2.7	0.1	228	28.4	28.4	8.0	8.0	18.4	18.4	83.6	83.5	5.9	5.9	10.0		11		-				-	-		-	
						2.7	0.1	247	28.4		8.0		18.4		83.4		5.9		9.9		11		-				-			-	
SR7	Cloudy	Moderate	18:05	16.8	Surface	1.0	0.1	4	27.2	27.2	8.0	8.0	21.7	21.7	75.7	75.7	5.3	5.1	8.7	9.6	5	7	-	-	823637	823722	-	-	-	-	-
						1.0	0.1	4	27.2		8.0		21.7		75.7		5.3		8.7		5		-				-			-	
					Middle	8.4	0.2	10	25.3	25.3	8.0	8.0	26.9	26.9	68.8	68.8	4.9		9.8		6		-				-	-		-	
						8.4	0.3	10	25.3		8.0		26.9		68.8		4.9		9.8		6		-				-			-	
					Bottom	15.8	0.1	19	25.2	25.2	7.9	7.9	28.3	28.3	62.5	62.5	4.4	4.4	10.2		8		-				-	-		-	
						15.8	0.1	20	25.2		7.9		28.3		62.5		4.4		10.2		9		-				-			-	
SR8	Cloudy	Moderate	16:53	4.0	Surface	1.0	-	-	29.7	29.7	8.0	8.0	10.7	10.7	91.9	91.9	6.6	6.6	12.4	12.9	6	7	-	-	820502	811660	-	-	-	-	-
						1.0	-	-	29.7		8.0		10.7		91.9		6.6		12.4		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.0	-	-	29.8	29.8	8.0	8.0	11.4	11.4	91.9	91.9	6.6	6.6	13.4		8		-				-	-		-	
						3.0	-	-	29.8		8.0		11.4		91.9		6.6		13.4		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; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Misty	Moderate	12:03	8.0	Surface	1.0	0.8	197	27.7	27.7	8.0	8.0	21.8	21.8	75.5	75.5	5.3	4.3	3.7	10.9	4	6	81	86	815641	804231	<0.2	<0.2	2.1	2.0
						1.0	0.8	215	27.7		8.0		21.7		75.4		5.3		3.7		4		82				<0.2		1.8	
					Middle	4.0	0.8	199	25.9	25.9	7.9	7.9	28.1	28.1	46.0	46.1	3.2		10.2		6		86				<0.2		2.1	
						4.0	0.8	209	25.9		7.9		28.1		46.1		3.2		10.3		6		87				<0.2		1.9	
					Bottom	7.0	0.5	206	25.6	25.6	7.9	7.9	29.1	29.1	51.3	51.5	3.6	3.6	18.6		8		90				<0.2		2.1	
						7.0	0.5	225	25.6		7.9		29.1		51.6		3.6		18.6		8		91				<0.2		1.9	
C2	Fine	Moderate	13:36	11.2	Surface	1.0	1.5	170	28.4	28.4	7.9	7.9	15.0	15.0	70.7	70.7	5.1	4.5	9.4	22.8	3	3	70	76	825691	806937	<0.2	<0.2	3.0	3.1
						1.0	1.6	180	28.4		7.9		15.0		70.7		5.1		9.4		3		71				<0.2		3.4	
					Middle	5.6	1.0	170	27.2	27.1	7.9	7.9	19.5	19.5	54.4	54.4	3.9		26.3		3		74				<0.2		3.1	
						5.6	1.0	178	27.1		7.9		19.5		54.3		3.9		26.6		3		73				<0.2		3.0	
					Bottom	10.2	0.3	188	26.5	26.5	7.9	7.9	24.8	24.8	54.5	54.5	3.8	3.8	32.5		3		84				<0.2		3.0	
						10.2	0.3	202	26.5		7.9		24.8		54.5		3.8		32.5		3		84				<0.2		2.8	
C3	Fine	Moderate	11:25	12.2	Surface	1.0	0.3	104	27.1	27.1	8.1	8.1	22.7	22.7	72.6	72.6	5.1	5.1	9.1	9.7	3	3	78	82	822125	817792	<0.2	<0.2	2.9	3.0
						1.0	0.3	111	27.1		8.1		22.7		72.6		5.1		9.1		3		75				<0.2		3.0	
					Middle	6.1	0.2	90	26.4	26.4	8.1	8.1	24.3	24.3	70.7	70.7	5.0		9.9		3		81				<0.2		3.2	
						6.1	0.2	98	26.4		8.1		24.3		70.7		5.0		9.9		3		81				<0.2		3.0	
					Bottom	11.2	0.3	52	26.1	26.1	8.1	8.1	25.7	25.7	77.1	77.1	5.4	5.4	10.0		3		88				<0.2		3.0	
						11.2	0.3	54	26.1		8.1		25.7		77.1		5.4		10.0		3		87				<0.2		2.9	
IM1	Misty	Moderate	12:28	5.4	Surface	1.0	0.1	165	26.6	26.6	7.9	7.9	26.4	26.4	65.2	65.2	4.6	4.6	10.8	13.3	12	14	86	88	817949	807137	<0.2	<0.2	1.4	1.5
						1.0	0.1	172	26.6		7.9		26.4		65.2		4.6		10.8		13		87				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	173	26.0	26.0	7.9	7.9	27.8	27.8	51.0	51.1	3.5	3.6	15.8		15		89				<0.2		1.5	
						4.4	0.1	187	26.0		7.9		27.8		51.1		3.6		15.8		16		90				<0.2		1.4	
IM2	Misty	Moderate	12:35	6.8	Surface	1.0	0.7	167	28.0	28.0	8.0	8.0	21.2	21.2	78.2	78.2	5.4	4.6	6.9	15.1	11	15	83	87	818157	806176	<0.2	<0.2	1.4	1.4
						1.0	0.7	168	28.0		8.0		21.2		78.2		5.4		6.9		11		83				<0.2		1.6	
					Middle	3.4	0.5	166	26.4	26.4	7.9	7.9	26.2	26.2	55.1	55.2	3.8		18.0		14		86				<0.2		1.5	
						3.4	0.6	167	26.4		7.9		26.2		55.2		3.8		18.1		14		87				<0.2		1.4	
					Bottom	5.8	0.2	166	26.0	26.0	7.9	7.9	27.8	27.8	49.3	49.4	3.4	3.4	20.4		18		90				<0.2		1.4	
						5.8	0.2	171	26.0		7.9		27.8		49.4		3.4		20.3		19		91				<0.2		1.3	
IM3	Misty	Moderate	12:43	7.0	Surface	1.0	1.0	200	27.9	27.9	7.9	7.9	20.8	20.8	71.9	71.9	5.0	4.6	6.0	15.0	11	12	83	88	818773	805599	<0.2	<0.2	1.8	1.9
						1.0	1.0	205	27.9		7.9		20.8		71.9		5.0		6.1		11		84				<0.2		1.9	
					Middle	3.5	0.8	197	27.1	27.1	7.9	7.9	23.6	23.7	59.6	59.6	4.2		18.7		13		87				<0.2		1.9	
						3.5	0.8	209	27.1		7.9		23.7		59.6		4.2		18.2		13		89				<0.2		1.9	
					Bottom	6.0	0.5	171	26.4	26.4	7.9	7.9	26.4	26.3	51.9	52.0	3.6	3.6	20.4		13		93				<0.2		1.9	
						6.0	0.5	171	26.4		7.9		26.3		52.0		3.6		20.4		13		93				<0.2		1.8	
IM4	Misty	Moderate	12:54	7.1	Surface	1.0	1.3	177	27.8	27.8	7.9	7.9	20.3	20.3	71.4	71.4	5.0	4.8	4.9	11.9	7	8	85	90	819748	804599	<0.2	<0.2	2.2	2.1
						1.0	1.4	194	27.8		7.9		20.3		71.4		5.0		4.9		7		86				<0.2		2.1	
					Middle	3.6	1.2	184	27.5	27.5	7.9	7.9	21.4	21.4	65.2	65.2	4.6		9.6		8		89				<0.2		2.3	
						3.6	1.3	186	27.5		7.9		21.4		65.2		4.6		9.7		9		90				<0.2		2.0	
					Bottom	6.1	0.8	177	26.5	26.5	7.9	7.9	25.8	25.7	55.1	55.2	3.8	3.8	21.0		9		94				<0.2		2.0	
						6.1	0.9	190	26.5		7.9		25.7		55.2		3.8		21.0		8		95				<0.2		2.1	
IM5	Misty	Moderate	13:09	6.4	Surface	1.0	1.4	190	27.7	27.7	7.9	7.9	20.7	20.7	69.4	69.4	4.9	4.6	7.9	14.3	5	7	85	86	820745	804855	<0.2	<0.2	1.9	2.1
						1.0	1.5	206	27.7		7.9		20.7		69.4		4.9		7.9		6		84				<0.2		2.1	
					Middle	3.2	1.1	196	27.2	27.2	7.9	7.9	22.8	22.8	59.9	59.9	4.2		12.7		6		85				<0.2		2.0	
						3.2	1.2	196	27.2		7.9		22.8		59.8		4.2		12.9		6		86				<0.2		2.1	
					Bottom	5.4	0.8	193	26.8	26.8	7.9	7.9	24.6	24.6	58.7	58.8	4.1	4.1	22.1		8		89				<0.2		2.1	
						5.4	0.8	211	26.8		7.9		24.6		58.8		4.1		22.1		8		89				<0.2		2.4	
IM6	Misty	Moderate	13:21	6.1	Surface	1.0	0.9	219	27.3	27.3	7.9	7.9	22.1	22.1	68.0	68.1	4.7	4.6	10.9	17.0	9	10	84	87	821066	805821	<0.2	<0.2	1.9	1.9
						1.0	1.0	238	27.3		7.9		22.1		68.2		4.7		10.9		9		84				<0.2		1.8	
					Middle	3.1	0.8	213	27.0	27.0	7.9	7.9	23.6	23.5	63.4	63.4	4.4		17.4		10		87				<0.2		1.9	
						3.1	0.8	231	27.0		7.9		23.5		63.4		4.4		17.3		11		88				<0.2		1.9	
					Bottom	5.1	0.7	212	26.9	26.9	7.9	7.9	24.2	24.2	56.3	56.4	3.9	3.9	22.8		11		90				<0.2		2.0	
						5.1	0.7	229	26.9		7.9		24.2		56.4		3.9		22.8		12		91				<0.2		2.0	
IM7	Misty	Moderate	13:32	7.2	Surface	1.0	1.0	219	27.6	27.6	7.9	7.9	20.4	20.4	68.0	68.0	4.8	4.7	10.2	16.3	4	12	82	87	821339	806846	<0.2	<0.2	2.3	2.2
						1.0	1.1	230	27.6		7.9		20.4		67.9		4.8		10.3		5		83				<0.2		2.2	
					Middle	3.6	0.9	225	27.5	27.5	7.9	7.9	20.9	20.9	65.6	65.6	4.6		16.5		7		86				<0.2		2.3	
						3.6	0.9	235	27.5		7.9		20.9		65.6		4.6		16.7		6		87				<0.2		2.3	
					Bottom	6.2	0.8	232	27.5	27.5	7.9	7.9	21.0	21.0	66.9	67.0	4.7	4.7	22.2		24		91				<0.2		2.1	
						6.2	0.8	244	27.5		7.9		21.0		67.0		4.7		22.1		23		92				<0.2		2.1	
IM8	Fine	Moderate	13:11	7.1	Surface	1.0	0.7	196	27.7	27.7	8.0	8.0	19.9	19.9	70.1	70.1	4.9	4.8	10.0	11.4	<2	<2	72	78	821822	808162	<0.2	<0.2	3.1	3.2
						1.0	0.7	214	27.7		8.0		19.9		70.1		4.9		10.0		<2		73				<0.2		3.2	
					Middle	3.6	0.5	203	27.6	27.6	8.0	8.0	20.5	20.5	67.3	67.3	4.7		11.8		<2		79				<0.2		3.2	
						3.6	0.6	203	27.6		8.0		20.5		67.3		4.7		11.8		<2		79				<0.2		3.0	
					Bottom	6.1	0.4	225	27.5	27.5	8.0	8.0	20.8	20.8	68.6	68.6	4.8	4.8	12.3		<2		82				<0.2		3.2	
						6.1	0.5	241	27.5		8.0		20.8		68.6		4.8		12.3		<2		81				<0.2		3.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	13:05	7.3	Surface	1.0	0.6	172	27.9	27.9	8.0	8.0	19.2	19.2	70.4	70.4	5.0	4.8	9.1	10.8	2	3	75	78	822090	808812	<0.2	<0.2	3.3	3.2
						1.0	0.6	188	27.9		8.0		19.2		70.4		5.0		9.1		2		74				<0.2		3.2	
					Middle	3.7	0.4	172	27.5	27.5	8.0	8.0	20.7	20.7	65.6	65.6	4.6		11.4		2		78				<0.2		3.2	
						3.7	0.4	185	27.5		8.0		20.7		65.6		4.6		11.4		3		77				<0.2		3.3	
					Bottom	6.3	0.2	178	27.4	27.4	8.0	8.0	21.0	21.0	66.2	66.2	4.7	4.7	11.8		4		81				<0.2		3.3	
						6.3	0.2	187	27.4		8.0		21.0		66.2		4.7		11.8		4		81				<0.2		3.0	
IM10	Fine	Moderate	12:52	7.2	Surface	1.0	0.9	140	27.7	27.7	8.0	8.0	20.0	20.0	67.0	67.0	4.7	4.6	11.3	16.9	3	3	74	78	822376	809767	<0.2	<0.2	3.4	3.1
						1.0	0.9	146	27.7		8.0		20.0		67.0		4.7		11.3		3		76				<0.2		3.0	
					Middle	3.6	0.7	124	27.2	27.2	8.0	8.0	22.3	22.3	62.0	62.0	4.4		19.6		3		79				<0.2		3.3	
						3.6	0.7	128	27.2		8.0		22.3		62.0		4.4		19.6		3		79				<0.2		2.9	
					Bottom	6.2	0.6	120	27.2	27.2	8.0	8.0	22.4	22.4	64.0	64.0	4.5	4.5	19.8		2		81				<0.2		3.1	
						6.2	0.6	122	27.2		8.0		22.4		64.0		4.5		19.8		3		80				<0.2		3.1	
IM11	Fine	Moderate	12:43	7.4	Surface	1.0	0.9	105	27.9	27.9	8.1	8.1	19.2	19.2	72.0	72.0	5.1	4.8	12.6	13.8	<2	3	74	77	822050	811432	<0.2	<0.2	3.1	3.0
						1.0	0.9	107	27.9		8.1		19.2		72.0		5.1		12.6		<2		72				<0.2		2.9	
					Middle	3.7	0.7	103	27.2	27.2	8.0	8.0	22.1	22.1	62.0	62.0	4.4		11.9		3		79				<0.2		3.2	
						3.7	0.7	107	27.2		8.0		22.1		62.0		4.4		11.9		3		78				<0.2		3.0	
					Bottom	6.4	0.4	103	27.1	27.1	8.0	8.0	22.6	22.6	66.4	66.4	4.7	4.7	16.8		3		81				<0.2		2.9	
						6.4	0.4	105	27.1		8.0		22.6		66.4		4.7		16.8		4		80				<0.2		2.8	
IM12	Fine	Moderate	12:36	8.8	Surface	1.0	0.8	102	27.8	27.8	8.0	8.0	19.8	19.8	71.5	71.5	5.0	4.8	10.4	16.3	2	3	79	82	821439	812025	<0.2	<0.2	2.8	2.8
						1.0	0.8	109	27.8		8.0		19.8		71.5		5.0		10.4		3		78				<0.2		3.0	
					Middle	4.4	0.6	102	27.4	27.4	8.0	8.0	21.1	21.1	63.2	63.2	4.5		16.2		3		82				<0.2		2.6	
						4.4	0.6	109	27.4		8.0		21.1		63.2		4.5		16.2		3		83				<0.2		2.9	
					Bottom	7.8	0.4	108	27.2	27.2	8.0	8.0	22.2	22.2	65.9	65.9	4.6	4.6	22.4		4		85				<0.2		2.8	
						7.8	0.4	109	27.2		8.0		22.2		65.9		4.6		22.4		4		86				<0.2		2.7	
SR2	Fine	Moderate	11:52	3.6	Surface	1.0	0.5	81	27.7	27.7	8.0	8.0	20.3	20.3	65.6	65.6	4.6	4.6	14.6	16.6	3	4	77	80	821459	814153	<0.2	<0.2	3.2	2.9
						1.0	0.6	87	27.7		8.0		20.3		65.6		4.6		14.6		4		78				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.4	80	27.3	27.3	8.0	8.0	21.7	21.7	64.3	64.3	4.5	4.5	18.6		3		81				<0.2		2.8	
						2.6	0.4	85	27.3		8.0		21.7		64.3		4.5		18.6		4		84				<0.2		2.8	
SR3	Fine	Moderate	13:17	8.2	Surface	1.0	1.0	182	28.1	28.1	8.0	8.0	17.5	17.5	70.3	70.3	5.0	4.7	9.8	14.0	4	4	-	-	822148	807541	-	-	-	-
						1.0	1.1	191	28.1		8.0		17.5		70.3		5.0		9.8		3		-				-		-	
					Middle	4.1	0.6	200	27.3	27.3	8.0	8.0	21.3	21.3	61.5	61.5	4.3		14.6		4		-				-		-	
						4.1	0.7	215	27.3		8.0		21.3		61.5		4.3		14.6		5		-				-		-	
					Bottom	7.2	0.5	229	27.1	27.1	8.0	8.0	22.4	22.4	62.2	62.2	4.4	4.4	17.6		5		-				-		-	
						7.2	0.5	238	27.1		8.0		22.4		62.2		4.4		17.6		5		-				-		-	
SR4A	Misty	Calm	11:45	9.6	Surface	1.0	0.1	113	27.8	27.8	8.0	8.0	21.3	21.2	74.3	74.3	5.2	4.9	6.6	16.0	5	8	-	-	817210	807815	-	-	-	-
						1.0	0.1	113	27.8		8.0		21.2		74.2		5.2		6.7		5		-				-		-	
					Middle	4.8	0.3	52	26.0	26.0	7.9	7.9	27.9	27.9	66.2	66.2	4.6		18.8		7		-				-		-	
						4.8	0.3	56	26.0		7.9		27.9		66.2		4.6		18.7		7		-				-		-	
					Bottom	8.6	0.2	66	26.0	26.0	7.9	7.9	28.1	28.1	49.1	49.1	3.4	3.4	22.5		12		-				-		-	
						8.6	0.2	70	26.0		7.9		28.1		49.0		3.4		22.6		11		-				-		-	
SR5A	Misty	Calm	11:28	4.7	Surface	1.0	0.1	334	28.5	28.5	8.0	8.0	20.2	20.2	78.5	78.5	5.5	5.5	5.6	7.6	6	7	-	-	816621	810702	-	-	-	-
						1.0	0.1	307	28.5		8.0		20.2		78.5		5.5		5.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	110	27.6	27.6	7.9	7.9	22.4	22.4	68.0	68.1	4.7	4.7	9.6		7		-				-		-	
						3.7	0.0	114	27.6		7.9		22.4		68.2		4.7		9.6		7		-				-		-	
SR6	Misty	Calm	11:02	4.5	Surface	1.0	0.1	57	28.4	28.4	8.0	8.0	19.2	19.2	77.2	77.2	5.4	5.4	5.3	5.2	5	6	-	-	817916	814687	-	-	-	-
						1.0	0.1	61	28.4		8.0		19.2		77.2		5.4		5.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	55	28.1	28.1	7.9	7.9	20.3	20.3	73.8	73.9	5.2	5.2	5.1		7		-				-		-	
						3.5	0.2	56	28.1		7.9		20.3		73.9		5.2		5.1		7		-				-		-	
SR7	Fine	Moderate	10:44	16.2	Surface	1.0	0.5	76	27.0	27.0	8.1	8.1	22.5	22.5	75.2	75.2	5.3	5.1	7.4	7.9	2	3	-	-	823646	823764	-	-	-	-
						1.0	0.5	78	27.0		8.1		22.5		75.2		5.3		7.4		3		-				-		-	
					Middle	8.1	0.3	355	25.8	25.8	8.1	8.1	26.4	26.4	70.2	70.2	4.9		8.2		3		-				-		-	
						8.1	0.3	327	25.8		8.1		26.4		70.2		4.9		8.2		3		-				-		-	
					Bottom	15.2	0.2	357	25.7	25.7	8.0	8.0	27.1	27.1	65.2	65.2	4.6	4.6	8.2		3		-				-		-	
						15.2	0.2	328	25.7		8.0		27.1		65.2		4.6		8.2		3		-				-		-	
SR8	Fine	Moderate	12:10	5.2	Surface	1.0	-	-	28.1	28.1	8.1	8.1	20.1	20.1	81.3	81.3	5.7	5.7	13.5	13.9	4	5	-	-	820508	811658	-	-	-	-
						1.0	-	-	28.1		8.1		20.1		81.3		5.7		13.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.2	28.2	8.1	8.1	20.4	20.4	86.0	86.0	6.0	6.0	14.2		6		-				-		-	
						4.2	-	-	28.2		8.1		20.4		86.0		6.0		14.2		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Misty	Moderate	18:15	7.9	Surface	1.0	0.6	182	27.5	27.5	7.9	7.9	21.9	21.9	66.7	66.7	4.7	4.5	14.2	18.8	14	15	81	86	815604	804230	<0.2	<0.2	2.0	2.1
						1.0	0.6	187	27.5		7.9		21.9		66.7		4.7		14.1		15		82				<0.2		1.9	
					Middle	4.0	0.4	191	26.9	26.9	7.9	7.9	24.3	24.3	59.9	59.9	4.2		21.5		14		87				<0.2		2.3	
						4.0	0.4	207	26.9		7.9		24.3		59.8		4.2		21.5		14		88				<0.2		2.0	
					Bottom	6.9	0.2	231	26.5	26.5	7.9	7.9	26.2	26.2	55.4	55.5	3.9	3.9	20.9		15		90				<0.2		2.3	
						6.9	0.2	231	26.5		7.9		26.2		55.6		3.9		20.8		15		90				<0.2		1.9	
C2	Fine	Moderate	17:09	11.5	Surface	1.0	1.6	178	28.3	28.3	7.8	7.8	14.2	14.2	66.1	66.1	4.8	4.4	10.0	13.3	4	5	73	78	825674	806936	<0.2	<0.2	3.0	3.0
						1.0	1.7	192	28.3		7.8		14.2		66.1		4.8		10.0		4		74				<0.2		3.0	
					Middle	5.8	1.2	173	27.5	27.5	7.9	7.9	18.6	18.6	55.7	55.7	4.0		13.2		5		77				<0.2		2.7	
						5.8	1.3	186	27.5		7.9		18.6		55.7		4.0		13.2		4		79				<0.2		3.1	
					Bottom	10.5	0.4	186	26.7	26.7	7.9	7.9	23.9	23.9	62.0	62.0	4.4	4.4	16.6		6		81				<0.2		3.0	
						10.5	0.5	193	26.7		7.9		23.9		62.0		4.4		16.6		6		82				<0.2		3.2	
C3	Fine	Moderate	18:44	11.8	Surface	1.0	0.4	354	27.5	27.5	8.0	8.0	21.5	21.5	65.9	65.9	4.6	4.5	12.2	12.6	7	8	79	83	822127	817821	<0.2	<0.2	3.0	3.1
						1.0	0.5	359	27.5		8.0		21.5		65.9		4.6		12.2		7		78				<0.2		3.3	
					Middle	5.9	0.4	313	26.8	26.8	8.0	8.0	23.4	23.4	61.7	61.7	4.3		13.1		7		83				<0.2		3.0	
						5.9	0.5	317	26.8		8.0		23.4		61.7		4.3		13.1		8		81				<0.2		3.2	
					Bottom	10.8	0.3	258	26.1	26.1	8.0	8.0	25.9	25.9	67.2	67.2	4.7	4.7	12.5		10		88				<0.2		3.3	
						10.8	0.3	266	26.1		8.0		25.9		67.2		4.7		12.5		9		87				<0.2		3.0	
IM1	Misty	Moderate	17:57	4.1	Surface	1.0	0.1	137	27.4	27.4	8.0	8.0	22.7	22.7	69.3	69.3	4.9	4.9	17.8	19.7	10	13	83	85	817931	807122	<0.2	<0.2	2.2	2.1
						1.0	0.1	142	27.4		8.0		22.7		69.3		4.9		17.8		10		84				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	289	27.0	27.0	8.0	8.0	24.4	24.4	58.1	58.1	4.1	4.1	21.6		16		85				<0.2		2.0	
						3.1	0.1	309	27.0		8.0		24.4		58.1		4.1		21.7		17		86				<0.2		2.0	
IM2	Misty	Moderate	17:49	6.7	Surface	1.0	0.7	177	27.8	27.8	8.0	8.0	20.7	20.7	69.2	69.2	4.9	4.6	13.1	18.0	18	24	82	86	818165	806153	<0.2	<0.2	2.2	2.2
						1.0	0.7	180	27.8		8.0		20.7		69.2		4.9		13.1		18		83				<0.2		2.2	
					Middle	3.4	0.4	175	27.3	27.3	8.0	8.0	22.4	22.4	59.9	59.9	4.2		18.4		20		86				<0.2		2.1	
						3.4	0.4	184	27.3		8.0		22.4		59.8		4.2		18.4		20		87				<0.2		2.1	
					Bottom	5.7	0.1	209	26.6	26.6	8.0	8.0	25.8	25.8	53.6	53.7	3.7	3.7	22.3		34		90				<0.2		2.1	
						5.7	0.1	223	26.6		8.0		25.8		53.7		3.7		22.4		33		90				<0.2		2.2	
IM3	Misty	Moderate	17:42	7.0	Surface	1.0	0.5	192	27.9	27.9	7.9	7.9	19.2	19.2	72.4	72.4	5.1	5.0	12.0	16.5	21	25	82	86	818777	805614	<0.2	<0.2	2.1	2.0
						1.0	0.6	211	27.9		7.9		19.3		72.3		5.1		12.2		20		82				<0.2		2.1	
					Middle	3.5	0.4	200	27.7	27.7	7.9	7.9	20.2	20.2	70.3	70.3	4.9		14.5		24		85				<0.2		1.8	
						3.5	0.5	204	27.7		7.9		20.2		70.3		4.9		14.5		23		86				<0.2		1.9	
					Bottom	6.0	0.3	190	27.6	27.6	7.9	7.9	20.7	20.7	70.0	70.1	4.9	4.9	22.8		31		91				<0.2		1.9	
						6.0	0.4	193	27.6		7.9		20.8		70.1		4.9		22.8		30		92				<0.2		2.1	
IM4	Misty	Moderate	17:33	6.9	Surface	1.0	0.9	190	27.6	27.6	7.9	7.9	20.5	20.5	67.1	67.1	4.7	4.7	10.6	13.9	20	22	81	86	819703	804603	<0.2	<0.2	1.8	2.0
						1.0	1.0	194	27.6		7.9		20.5		67.1		4.7		10.6		20		81				<0.2		1.8	
					Middle	3.5	0.9	191	27.5	27.5	7.9	7.9	20.7	20.7	66.9	66.9	4.7		13.2		21		85				<0.2		2.0	
						3.5	1.0	205	27.5		7.9		20.7		66.9		4.7		13.2		21		86				<0.2		2.1	
					Bottom	5.9	0.7	187	27.5	27.5	7.9	7.9	20.8	20.8	58.1	58.1	4.0	4.0	17.8		26		90				<0.2		2.3	
						5.9	0.7	198	27.5		7.9		20.8		58.1		4.0		17.8		26		90				<0.2		1.9	
IM5	Misty	Moderate	17:27	6.3	Surface	1.0	1.0	205	27.4	27.4	7.9	7.9	21.2	21.2	67.8	67.8	4.8	4.7	12.7	16.8	23	26	83	86	820720	804874	<0.2	<0.2	2.2	2.1
						1.0	1.1	216	27.4		7.9		21.2		67.8		4.8		12.7		22		84				<0.2		1.9	
					Middle	3.2	0.9	208	27.3	27.3	7.9	7.9	21.6	21.6	63.3	63.3	4.5		16.6		25		86				<0.2		2.1	
						3.2	1.0	214	27.3		7.9		21.6		63.3		4.5		16.6		25		87				<0.2		2.1	
					Bottom	5.3	0.7	197	27.2	27.2	7.9	7.9	22.4	22.4	61.9	62.0	4.3	4.4	21.2		29		88				<0.2		2.2	
						5.3	0.7	204	27.2		7.9		22.4		62.0		4.4		21.2		30		88				<0.2		2.0	
IM6	Misty	Moderate	17:20	6.2	Surface	1.0	1.2	214	27.6	27.6	7.9	7.9	19.6	19.6	69.1	69.1	4.9	4.7	10.2	16.2	14	18	80	86	821056	805850	<0.2	<0.2	2.2	2.3
						1.0	1.2	222	27.6		7.9		19.6		69.1		4.9		10.2		14		82				<0.2		2.1	
					Middle	3.1	1.2	214	27.6	27.6	7.9	7.9	19.7	19.7	63.4	63.4	4.4		16.3		19		87				<0.2		2.4	
						3.1	1.3	234	27.6		7.9		19.7		63.4		4.4		16.4		18		88				<0.2		2.2	
					Bottom	5.2	1.0	222	27.6	27.6	7.9	7.9	19.7	19.7	71.2	71.2	5.0	5.0	21.9		20		89				<0.2		2.3	
						5.2	1.0	232	27.6		7.9		19.7		71.2		5.0		21.9		20		90				<0.2		2.6	
IM7	Misty	Moderate	17:14	7.4	Surface	1.0	1.0	211	28.0	28.0	7.8	7.8	17.4	17.4	72.8	72.8	5.2	5.2	7.6	10.0	7	12	86	91	821347	806816	<0.2	<0.2	2.2	2.3
						1.0	1.0	227	28.0		7.8		17.4		72.8		5.2		7.5		8		87				<0.2		2.5	
					Middle	3.7	1.0	221	27.9	27.9	7.9	7.9	18.2	18.2	72.4	72.4	5.1		10.0		10		91				<0.2		2.5	
						3.7	1.0	221	27.9		7.9		18.2		72.4		5.1		10.0		10		91				<0.2		2.2	
					Bottom	6.4	0.8	237	27.8	27.8	7.9	7.9	18.6	18.6	73.2	73.2	5.2	5.2	12.5		17		93				<0.2		2.1	
						6.4	0.9	254	27.8		7.9		18.6		73.2		5.2		12.4		17		95				<0.2		2.4	
IM8	Fine	Moderate	17:28	7.3	Surface	1.0	0.6	201	28.0	28.0	7.9	7.9	17.3	17.3	70.6	70.6	5.0	5.0	11.0	13.7	6	7	72	78	821822	808158	<0.2	<0.2	2.7	2.9
						1.0	0.6	220	28.0		7.9		17.3		70.6		5.0		11.0		6		75				<0.2		2.8	
					Middle	3.7	0.4	221	27.9	27.9	7.9	7.9	17.5	17.5	70.8	70.8	5.0		12.1		6		77				<0.2		3.2	
						3.7	0.4	242	27.9		7.9		17.5		70.8		5.0		12.1		7		78				<0.2		2.8	
					Bottom	6.3	0.4	226	27.9	27.9	8.0	8.0	18.0	18.0	70.9	70.9	5.0	5.0	18.0		7		82				<0.2		3.1	
						6.3	0.5	241	27.9		8.0		18.0		70.9		5.0		18.0		8		82				<0.2		3.0	

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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 08 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	17:35	7.1	Surface	1.0	0.5	156	28.0	28.0	7.9	7.9	16.7	16.7	69.4	69.4	5.0	4.8	9.7	10.5	6	7	76	78	822073	808833	<0.2	<0.2	2.8	2.8
						1.0	0.5	163	28.0		7.9		16.7		69.4		5.0		9.7		7		75				<0.2		2.5	
					Middle	3.6	0.3	153	27.5	27.5	7.9	7.9	19.7	19.7	65.6	65.6	4.6		10.8		7		77				<0.2		2.8	
						3.6	0.3	159	27.5		7.9		19.7		65.6		4.6		10.8		6		77				<0.2		2.6	
					Bottom	6.1	0.2	136	27.5	27.5	7.9	7.9	20.0	20.0	67.4	67.4	4.8	4.8	10.9		7		81				<0.2		3.0	
						6.1	0.2	142	27.5		7.9		20.0		67.4		4.8		10.9		7		83				<0.2		2.8	
IM10	Fine	Moderate	17:42	6.9	Surface	1.0	0.7	130	28.0	28.0	8.0	8.0	18.1	18.1	66.0	66.0	4.7	4.6	10.1	11.6	7	7	73	78	822376	809822	<0.2	<0.2	2.8	2.7
						1.0	0.7	134	28.0		8.0		18.1		66.0		4.7		10.1		7		75				<0.2		2.7	
					Middle	3.5	0.5	108	27.3	27.3	8.0	8.0	20.9	20.9	60.8	60.8	4.5		12.3		7		77				<0.2		2.9	
						3.5	0.5	115	27.3		8.0		20.9		60.8		4.5		12.3		7		79				<0.2		2.7	
					Bottom	5.9	0.4	94	27.2	27.2	8.0	8.0	21.2	21.2	63.6	63.6	4.0	4.0	12.5		8		82				<0.2		2.7	
						5.9	0.4	94	27.2		8.0		21.2		63.6		4.0		12.5		8		82				<0.2		2.6	
IM11	Fine	Moderate	17:52	7.3	Surface	1.0	0.7	115	27.8	27.8	8.0	8.0	18.5	18.5	66.9	66.9	4.7	4.6	10.6	12.8	6	7	73	78	822071	811473	<0.2	<0.2	2.8	2.8
						1.0	0.8	122	27.8		8.0		18.5		66.9		4.7		10.6		5		75				<0.2		2.8	
					Middle	3.7	0.5	108	27.4	27.4	8.0	8.0	20.8	20.8	63.5	63.5	4.5		12.8		7		79				<0.2		2.8	
						3.7	0.5	111	27.4		8.0		20.8		63.5		4.5		12.8		7		77				<0.2		3.1	
					Bottom	6.3	0.3	98	27.3	27.3	8.0	8.0	21.1	21.1	64.4	64.4	4.5	4.5	14.9		8		83				<0.2		2.7	
						6.3	0.3	106	27.3		8.0		21.1		64.4		4.5		14.9		8		82				<0.2		2.7	
IM12	Fine	Moderate	17:58	7.8	Surface	1.0	0.4	109	27.8	27.8	8.0	8.0	18.9	18.9	69.4	69.4	4.9	4.8	9.9	11.5	8	8	73	78	821457	812038	<0.2	<0.2	2.9	2.8
						1.0	0.4	117	27.8		8.0		18.9		69.4		4.9		9.9		7		74				<0.2		2.7	
					Middle	3.9	0.3	71	27.5	27.5	8.0	8.0	20.4	20.4	66.2	66.2	4.7		12.0		8		79				<0.2		2.7	
						3.9	0.3	76	27.5		8.0		20.4		66.2		4.7		12.0		7		79				<0.2		2.8	
					Bottom	6.8	0.2	57	27.5	27.5	8.0	8.0	20.6	20.6	67.3	67.3	4.7	4.7	12.5		7		83				<0.2		2.8	
						6.8	0.2	57	27.5		8.0		20.6		67.3		4.7		12.5		8		82				<0.2		2.7	
SR2	Fine	Moderate	18:23	3.6	Surface	1.0	0.2	83	27.7	27.7	8.0	8.0	20.1	20.1	68.6	68.6	4.8	4.8	10.2	13.3	6	7	79	81	821470	814137	<0.2	<0.2	2.2	2.0
						1.0	0.2	90	27.7		8.0		20.1		68.6		4.8		10.2		7		77				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	68	27.5	27.5	7.9	7.9	20.8	20.8	68.6	68.6	4.8	4.8	16.3		7		85				<0.2		1.9	
						2.6	0.1	73	27.5		7.9		20.8		68.6		4.8		16.3		7		84				<0.2		2.0	
SR3	Fine	Moderate	17:23	8.0	Surface	1.0	0.9	198	27.9	27.9	7.9	7.9	17.5	17.5	65.9	65.9	4.7	4.6	11.8	14.4	6	7	-	-	822146	807545	-	-	-	-
						1.0	1.0	215	27.9		7.9		17.5		65.9		4.7		11.8		6		-				-		-	
					Middle	4.0	0.6	204	27.4	27.4	7.9	7.9	20.4	20.4	63.2	63.2	4.5		15.4		7		-				-		-	
						4.0	0.7	222	27.4		7.9		20.4		63.2		4.5		15.4		7		-				-		-	
					Bottom	7.0	0.6	240	27.3	27.3	7.9	7.9	21.4	21.4	68.2	68.2	4.8	4.8	15.9		7		-				-		-	
						7.0	0.6	246	27.3		7.9		21.4		68.2		4.8		15.9		7		-				-		-	
SR4A	Fine	Calm	18:49	8.6	Surface	1.0	0.8	231	28.3	28.3	8.0	8.0	21.3	21.3	81.7	81.7	5.7	5.6	10.2	17.3	8	10	-	-	817175	807797	-	-	-	-
						1.0	0.9	233	28.3		8.0		21.3		81.7		5.7		10.2		8		-				-		-	
					Middle	4.3	0.7	234	28.1	28.1	8.0	8.0	21.6	21.6	79.2	79.2	5.5		19.7		9		-				-		-	
						4.3	0.7	239	28.1		8.0		21.6		79.2		5.5		19.7		10		-				-		-	
					Bottom	7.6	0.5	237	28.0	28.0	8.0	8.0	21.9	21.9	79.7	79.8	5.5	5.5	22.1		12		-				-		-	
						7.6	0.5	255	28.0		8.0		21.9		79.8		5.5		22.1		12		-				-		-	
SR5A	Fine	Calm	19:13	4.2	Surface	1.0	0.2	279	28.4	28.4	8.1	8.1	20.8	20.8	89.3	89.4	6.2	6.2	13.9	18.7	12	12	-	-	816570	810704	-	-	-	-
						1.0	0.2	291	28.4		8.1		20.8		89.4		6.2		13.9		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.4	292	28.4	28.4	8.0	8.0	20.8	20.8	87.8	87.8	6.1	6.1	23.4		12		-				-		-	
						3.2	0.4	310	28.4		8.0		20.8		87.8		6.1		23.4		13		-				-		-	
SR6	Fine	Calm	19:46	4.1	Surface	1.0	0.0	319	28.5	28.5	8.1	8.1	19.6	19.6	90.6	90.6	6.3	6.3	10.9	13.7	13	13	-	-	817899	814682	-	-	-	-
						1.0	0.0	347	28.5		8.1		19.6		90.5		6.3		10.8		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	231	28.1	28.1	8.0	8.0	20.5	20.4	84.7	84.8	5.9	5.9	16.5		13		-				-		-	
						3.1	0.1	246	28.1		8.0		20.4		84.9		5.9		16.4		14		-				-		-	
SR7	Fine	Moderate	19:18	16.8	Surface	1.0	0.3	192	27.6	27.6	8.1	8.1	21.0	21.0	73.6	73.6	5.2	5.1	9.4	11.0	11	11	-	-	823656	823749	-	-	-	-
						1.0	0.3	211	27.6		8.1		21.0		73.6		5.2		9.4		11		-				-		-	
					Middle	8.4	0.2	214	26.6	26.6	8.0	8.0	24.3	24.3	69.8	69.8	4.9		11.9		12		-				-		-	
						8.4	0.2	222	26.6		8.0		24.3		69.8		4.9		11.9		11		-				-		-	
					Bottom	15.8	0.1	356	26.2	26.2	8.0	8.0	25.4	25.4	66.2	66.2	4.6	4.6	11.6		11		-				-		-	
						15.8	0.1	328	26.2		8.0		25.4		66.2		4.6		11.6		11		-				-		-	
SR8	Fine	Moderate	18:08	4.0	Surface	1.0	-	-	28.4	28.4	8.1	8.1	20.0	20.0	77.7	77.7	5.4	5.4	14.9	15.0	8	8	-	-	820517	811663	-	-	-	-
						1.0	-	-	28.4		8.1		20.0		77.7		5.4		14.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	28.0	28.0	8.1	8.1	20.1	20.1	75.8	75.8	5.3	5.3	15.1		8		-				-		-	
						3.0	-	-	28.0		8.1		20.1		75.8		5.3		15.1		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:05	8.4	Surface	1.0	0.1	29	27.3	27.3	8.0	8.0	22.0	22.0	70.0	70.0	4.9	4.7	6.1	10.8	6	7	80	83	815624	804275	<0.2	<0.2	2.1	1.9
						1.0	0.1	29	27.3		8.0		22.0		70.0		4.9		6.1		6		79				<0.2		1.9	
					Middle	4.2	0.1	261	26.6	26.6	8.0	8.0	24.6	24.6	63.9	63.9	4.5		11.8		6		83				<0.2		1.9	
						4.2	0.1	286	26.6		8.0		24.6		63.9		4.5		11.8		7		84				<0.2		1.7	
					Bottom	7.4	0.2	196	26.3	26.3	8.0	8.0	26.8	26.8	64.9	64.9	4.5	4.5	14.6		8		86				<0.2		1.9	
						7.4	0.2	207	26.3		8.0		26.8		64.9		4.5		14.6		8		87				<0.2		1.8	
C2	Sunny	Moderate	12:25	12.9	Surface	1.0	0.4	43	27.2	27.2	7.9	7.9	22.1	22.1	72.4	72.4	5.1	5.0	15.7	19.3	7	8	81	86	825695	806948	<0.2	<0.2	1.9	1.9
						1.0	0.5	44	27.2		7.9		22.1		72.4		5.1		16.0		8		80				<0.2		2.0	
					Middle	6.5	0.5	51	26.9	26.9	7.9	7.9	23.3	23.3	70.3	70.3	4.9		19.9		8		85				<0.2		1.8	
						6.5	0.5	53	26.9		7.9		23.3		70.2		4.9		20.1		8		86				<0.2		1.8	
					Bottom	11.9	0.3	30	26.5	26.5	7.9	7.9	24.6	24.6	59.3	59.4	4.2	4.2	21.8		8		91				<0.2		1.9	
						11.9	0.3	30	26.5		7.9		24.6		59.4		4.2		22.0		9		90				<0.2		1.7	
C3	Sunny	Moderate	14:12	13.3	Surface	1.0	0.6	82	26.9	26.9	8.0	8.0	24.7	24.7	74.7	74.6	5.2	5.0	9.3	11.2	8	10	83	87	822092	817774	<0.2	<0.2	2.1	2.2
						1.0	0.6	82	26.9		8.0		24.7		74.5		5.2		9.3		9		83				<0.2		2.2	
					Middle	6.7	0.4	90	26.1	26.1	8.0	8.0	26.0	26.0	68.4	68.5	4.8		9.5		10		87				<0.2		2.3	
						6.7	0.4	96	26.1		8.0		26.0		68.5		4.8		9.5		11		87				<0.2		2.2	
					Bottom	12.3	0.3	97	25.8	25.8	8.0	8.0	26.8	26.8	60.5	60.5	4.2	4.2	14.7		12		92				<0.2		2.0	
						12.3	0.3	98	25.8		8.0		26.8		60.5		4.2		14.7		11		92				<0.2		2.2	
IM1	Fine	Moderate	13:45	5.6	Surface	1.0	0.1	189	27.4	27.4	7.9	7.9	22.5	22.5	69.3	69.3	4.8	4.8	5.1	5.5	6	6	81	84	817956	807109	<0.2	<0.2	1.8	1.9
						1.0	0.1	202	27.4		7.9		22.5		69.3		4.8		5.1		6		82				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	262	27.2	27.2	7.9	7.9	23.2	23.2	67.9	67.9	4.7	4.7	5.8		6		86				<0.2		1.9	
						4.6	0.2	285	27.2		7.9		23.2		67.9		4.7		5.8		7		85				<0.2		1.8	
IM2	Fine	Moderate	13:38	8.1	Surface	1.0	0.2	60	27.3	27.3	7.9	7.9	21.9	21.9	71.2	71.2	5.0	4.7	7.1	11.8	8	9	81	86	818143	806158	<0.2	<0.2	1.7	1.7
						1.0	0.2	60	27.3		7.9		21.9		71.2		5.0		7.1		9		83				<0.2		1.6	
					Middle	4.1	0.1	69	26.7	26.7	7.9	7.9	24.0	24.0	61.3	61.3	4.3		14.2		9		85				<0.2		1.8	
						4.1	0.1	74	26.7		7.9		24.0		61.3		4.3		14.2		9		88				<0.2		1.7	
					Bottom	7.1	0.2	90	26.6	26.6	7.9	7.9	25.2	25.2	62.4	62.4	4.4	4.4	14.1		10		88				<0.2		1.7	
						7.1	0.2	92	26.6		7.9		25.2		62.4		4.4		14.1		10		91				<0.2		1.7	
IM3	Fine	Moderate	13:31	8.6	Surface	1.0	0.5	49	27.0	27.0	8.0	8.0	22.8	22.8	68.8	68.8	4.8	4.6	8.9	15.1	9	9	80	83	818761	805598	<0.2	<0.2	1.6	1.8
						1.0	0.5	52	27.0		8.0		22.8		68.8		4.8		8.9		8		79				<0.2		1.8	
					Middle	4.3	0.3	45	26.5	26.5	8.0	8.0	25.3	25.3	61.7	61.7	4.3		17.3		10		83				<0.2		1.8	
						4.3	0.3	46	26.5		8.0		25.3		61.7		4.3		17.3		10		83				<0.2		1.9	
					Bottom	7.6	0.2	43	26.5	26.5	8.0	8.0	25.5	25.5	62.3	62.3	4.3	4.3	19.2		10		87				<0.2		1.8	
						7.6	0.2	45	26.5		8.0		25.5		62.3		4.3		19.2		9		88				<0.2		1.8	
IM4	Fine	Moderate	13:16	8.4	Surface	1.0	0.3	84	27.2	27.2	8.0	8.0	24.5	24.5	68.8	68.8	4.8	4.6	9.5	14.0	7	9	83	85	819695	804591	<0.2	<0.2	1.7	1.8
						1.0	0.3	90	27.2		8.0		24.5		68.8		4.8		9.5		8		81				<0.2		1.8	
					Middle	4.2	0.2	97	26.8	26.8	8.0	8.0	24.8	24.8	62.8	62.8	4.4		17.1		7		86				<0.2		1.6	
						4.2	0.2	102	26.8		8.0		24.8		62.8		4.4		17.1		8		86				<0.2		1.7	
					Bottom	7.4	0.1	19	26.5	26.5	8.0	8.0	26.1	26.1	63.5	63.5	4.4	4.4	15.5		11		88				<0.2		2.0	
						7.4	0.1	20	26.5		8.0		26.1		63.5		4.4		15.5		11		87				<0.2		1.7	
IM5	Fine	Moderate	13:07	8.1	Surface	1.0	0.3	4	27.1	27.1	8.0	8.0	24.6	24.6	71.2	71.2	4.9	4.6	10.9	14.6	10	11	83	86	820752	804892	<0.2	<0.2	1.8	1.8
						1.0	0.3	4	27.1		8.0		24.6		71.2		4.9		10.9		11		84				<0.2		1.9	
					Middle	4.1	0.3	0	26.6	26.6	8.0	8.0	25.2	25.2	62.4	62.4	4.3		17.9		11		86				<0.2		1.8	
						4.1	0.4	0	26.6		8.0		25.2		62.4		4.3		17.9		11		88				<0.2		1.6	
					Bottom	7.1	0.3	12	26.6	26.6	8.0	8.0	25.5	25.5	63.0	63.0	4.4	4.4	14.9		12		88				<0.2		1.6	
						7.1	0.3	12	26.6		8.0		25.5		63.0		4.4		14.9		12		88				<0.2		1.8	
IM6	Fine	Moderate	12:58	8.0	Surface	1.0	0.1	348	27.0	27.0	7.9	7.9	23.9	23.9	69.8	69.8	4.9	4.6	17.4	17.8	5	6	80	82	821035	805821	<0.2	<0.2	2.3	2.3
						1.0	0.1	353	27.0		7.9		23.9		69.8		4.9		17.4		5		79				<0.2		2.3	
					Middle	4.0	0.2	5	26.9	26.9	7.9	7.9	24.1	24.1	61.8	61.8	4.3		18.8		7		83				<0.2		2.5	
						4.0	0.2	5	26.9		7.9		24.1		61.8		4.3		18.8		7		81				<0.2		2.2	
					Bottom	7.0	0.2	350	26.8	26.8	7.9	7.9	24.3	24.3	62.8	62.8	4.4	4.4	17.1		7		85				<0.2		2.3	
						7.0	0.2	322	26.8		7.9		24.3		62.8		4.4		17.1		7		86				<0.2		2.3	
IM7	Fine	Moderate	12:46	9.6	Surface	1.0	0.1	111	27.5	27.5	7.8	7.8	20.4	20.4	68.8	68.8	4.9	4.6	5.9	15.5	4	5	78	83	821343	806862	<0.2	<0.2	2.5	2.4
						1.0	0.1	113	27.5		7.8		20.4		68.8		4.9		5.9		4		79				<0.2		2.2	
					Middle	4.8	0.1	351	26.9	26.9	7.9	7.9	23.0	23.0	61.4	61.4	4.3		17.0		5		83				<0.2		2.4	
						4.8	0.1	323	26.9		7.9		23.0		61.4		4.3		17.0		5		84				<0.2		2.4	
					Bottom	8.6	0.2	332	26.8	26.8	7.9	7.9	23.8	23.8	63.0	63.0	4.4	4.4	23.5		5		85				<0.2		2.4	
						8.6	0.3	305	26.8		7.9		23.8		63.0		4.4		23.5		5		87				<0.2		2.2	
IM8	Sunny	Moderate	12:51	8.9	Surface	1.0	0.3	95	27.4	27.4	7.9	7.9	21.3	21.3	69.4	69.4	4.9	4.8	12.3	16.3	6	8	82	87	821854	808122	<0.2	<0.2	2.8	2.6
						1.0	0.3	96	27.4		7.9		21.3		69.4		4.9		12.4		6		83				<0.2		2.6	
					Middle	4.5	0.2	67	26.9	26.9	7.9	7.9	23.0	23.0	66.0	66.0	4.6		16.2		6		87				<0.2		2.5	
						4.5	0.2	70	26.9		7.9		23.1		66.0		4.6		16.4		7		87				<0.2		2.4	
					Bottom	7.9	0.3	86	26.8	26.8	7.9	7.9	23.5	23.5	60.2	60.2	4.2	4.2	20.1		10		91				<0.2		2.4	
						7.9	0.3	88	26.8		7.9		23.5		60.2		4.2		20.2		10		91				<0.2		2.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	12:56	8.4	Surface	1.0	0.4	82	27.3	27.3	7.9	7.9	21.0	21.0	78.7	78.7	5.5	5.4	11.7	14.6	4	6	82	86	822116	808820	<0.2	<0.2	3.3	**3.5**
						1.0	0.4	83	27.3		7.9		21.0		78.7		5.5		11.7		5		82				<0.2		3.5	
					Middle	4.2	0.4	81	26.9	26.9	7.9	7.9	23.2	23.2	74.0	74.0	5.2		13.9		6		86				<0.2		3.5	
						4.2	0.4	81	26.9		7.9		23.2		74.0		5.2		14.2		7		86				<0.2		4.1	
					Bottom	7.4	0.4	84	26.8	26.8	7.9	7.9	23.5	23.5	64.6	64.7	4.5	4.5	17.9		6		90				<0.2		3.6	
						7.4	0.5	89	26.8		7.9		23.5		64.7		4.5		17.9		7		90				<0.2		3.0	
IM10	Sunny	Moderate	13:03	8.2	Surface	1.0	0.5	86	27.3	27.3	7.9	7.9	21.4	21.4	68.1	68.1	4.8	4.7	11.7	14.6	5	6	81	87	822401	809800	<0.2	<0.2	2.6	2.8
						1.0	0.5	90	27.3		7.9		21.4		68.1		4.8		11.8		6		81				<0.2		2.7	
					Middle	4.1	0.5	105	26.9	26.9	7.9	7.9	23.1	23.1	64.3	64.3	4.5		14.2		6		88				<0.2		2.8	
						4.1	0.5	108	26.9		7.9		23.1		64.3		4.5		14.3		6		88				<0.2		3.1	
					Bottom	7.2	0.4	99	26.7	26.7	7.9	7.9	23.8	23.8	60.2	60.2	4.2	4.2	17.9		6		91				<0.2		3.0	
						7.2	0.4	101	26.7		7.9		23.8		60.2		4.2		17.9		6		91				<0.2		2.8	
IM11	Sunny	Moderate	13:12	8.3	Surface	1.0	0.5	103	27.3	27.3	8.0	8.0	22.3	22.3	72.3	72.2	5.1	4.8	11.5	12.6	5	6	83	87	822044	811480	<0.2	<0.2	2.9	3.1
						1.0	0.6	109	27.3		8.0		22.3		72.1		5.0		11.5		5		82				<0.2		3.0	
					Middle	4.2	0.5	98	26.9	26.9	8.0	8.0	23.4	23.4	66.2	66.2	4.6		12.6		6		87				<0.2		3.2	
						4.2	0.5	99	26.9		8.0		23.4		66.2		4.6		12.6		5		88				<0.2		3.1	
					Bottom	7.3	0.3	111	26.4	26.4	8.0	8.0	24.7	24.7	61.4	61.5	4.3	4.3	13.7		6		90				<0.2		3.3	
						7.3	0.3	115	26.4		8.0		24.7		61.6		4.3		13.7		6		90				<0.2		3.2	
IM12	Sunny	Moderate	13:20	11.1	Surface	1.0	0.5	84	27.2	27.2	8.0	8.0	23.1	23.1	70.8	70.8	4.9	4.7	12.9	16.1	5	6	83	87	821449	812036	<0.2	<0.2	2.5	2.7
						1.0	0.5	88	27.2		8.0		23.1		70.7		4.9		12.9		6		83				<0.2		2.7	
					Middle	5.6	0.5	91	26.4	26.4	7.9	7.9	24.7	24.7	64.1	64.1	4.5		16.2		7		88				<0.2		2.9	
						5.6	0.5	93	26.4		7.9		24.7		64.1		4.5		16.3		6		88				<0.2		2.8	
					Bottom	10.1	0.2	135	26.0	26.0	8.0	8.0	26.1	26.1	56.4	56.5	4.0	4.0	19.2		7		91				<0.2		2.7	
						10.1	0.3	146	26.0		8.0		26.1		56.5		4.0		19.2		7		91				<0.2		2.8	
SR2	Sunny	Moderate	13:53	5.5	Surface	1.0	0.6	98	27.5	27.5	8.0	8.0	22.9	22.9	65.4	65.4	4.6	4.6	11.1	13.1	6	6	85	88	821481	814143	<0.2	<0.2	2.6	2.7
						1.0	0.6	100	27.5		8.0		22.9		65.4		4.6		11.2		6		85				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.2	84	26.7	26.7	8.0	8.0	24.0	24.0	59.6	59.6	4.2	4.2	15.0		5		91				<0.2		2.7	
						4.5	0.3	87	26.7		8.0		24.0		59.6		4.2		15.0		6		91				<0.2		2.7	
SR3	Sunny	Moderate	12:44	10.5	Surface	1.0	0.2	128	27.3	27.3	7.9	7.9	21.9	21.8	70.4	70.4	4.9	4.8	12.3	15.6	6	7	-	-	822160	807586	-	-	-	-
						1.0	0.3	139	27.3		7.9		21.8		70.4		4.9		12.4		6		-				-		-	
					Middle	5.3	0.4	117	27.0	27.0	7.9	7.9	22.9	22.9	65.3	65.3	4.6		15.7		7		-				-		-	
						5.3	0.4	123	27.0		7.9		22.9		65.3		4.6		15.7		6		-				-		-	
					Bottom	9.5	0.5	87	26.8	26.8	7.9	7.9	23.4	23.4	62.7	62.8	4.4	4.4	18.8		7		-				-		-	
						9.5	0.5	88	26.8		7.9		23.4		62.8		4.4		18.7		7		-				-		-	
SR4A	Fine	Moderate	14:25	8.8	Surface	1.0	0.4	51	27.7	27.7	7.9	7.9	22.4	22.4	69.8	69.8	4.8	4.6	7.7	13.7	5	6	-	-	817204	807809	-	-	-	-
						1.0	0.4	55	27.7		7.9		22.4		69.8		4.8		7.7		5		-				-		-	
					Middle	4.4	0.3	48	26.9	26.9	7.9	7.9	23.6	23.6	62.4	62.4	4.4		17.0		6		-				-		-	
						4.4	0.4	50	26.9		7.9		23.6		62.4		4.4		17.0		6		-				-		-	
					Bottom	7.8	0.2	56	26.8	26.8	7.9	7.9	23.8	23.8	64.9	64.9	4.5	4.5	16.4		7		-				-		-	
						7.8	0.2	57	26.8		7.9		23.8		64.9		4.5		16.4		7		-				-		-	
SR5A	Fine	Moderate	14:42	4.6	Surface	1.0	0.4	106	27.2	27.2	7.9	7.9	23.4	23.4	65.8	65.8	4.6	4.6	7.9	7.9	6	7	-	-	816571	810713	-	-	-	-
						1.0	0.4	109	27.2		7.9		23.4		65.8		4.6		7.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	48	27.2	27.2	7.9	7.9	23.7	23.7	66.4	66.4	4.6	4.6	7.9		7		-				-		-	
						3.6	0.2	51	27.2		7.9		23.7		66.4		4.6		7.9		8		-				-		-	
SR6	Fine	Moderate	15:27	4.3	Surface	1.0	0.1	42	26.9	26.9	7.9	7.9	23.7	23.7	67.3	67.3	4.7	4.7	14.4	15.6	6	6	-	-	817904	814669	-	-	-	-
						1.0	0.1	43	26.9		7.9		23.7		67.3		4.7		14.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	41	26.9	26.9	7.9	7.9	23.9	23.9	73.2	73.2	5.1	5.1	16.7		7		-				-		-	
						3.3	0.1	41	26.9		7.9		23.9		73.2		5.1		16.7		6		-				-		-	
SR7	Sunny	Moderate	14:36	16.3	Surface	1.0	0.5	70	27.1	27.1	8.0	8.0	24.8	24.8	77.6	77.6	5.4	5.1	8.7	9.4	6	7	-	-	823627	823735	-	-	-	-
						1.0	0.5	72	27.1		8.0		24.8		77.6		5.4		8.7		7		-				-		-	
					Middle	8.2	0.3	97	25.7	25.7	8.0	8.0	26.8	26.8	66.5	66.5	4.7		9.8		8		-				-		-	
						8.2	0.3	97	25.7		8.0		26.8		66.5		4.7		9.8		7		-				-		-	
					Bottom	15.3	0.2	72	25.7	25.7	8.0	8.0	27.0	27.0	58.1	58.2	4.1	4.1	9.8		8		-				-		-	
						15.3	0.2	72	25.7		8.0		27.0		58.2		4.1		9.8		8		-				-		-	
SR8	Sunny	Moderate	13:42	5.8	Surface	1.0	-	-	27.4	27.4	8.1	8.1	23.2	23.2	67.1	67.1	4.7	4.7	12.7	13.8	6	8	-	-	820417	811593	-	-	-	-
						1.0	-	-	27.4		8.1		23.2		67.0		4.7		12.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	27.1	27.1	8.1	8.1	23.6	23.6	65.6	65.7	4.6	4.6	14.9		8		-				-		-	
						4.8	-	-	27.1		8.1		23.6		65.7		4.6		14.8		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	07:42	9.6	Surface	1.0	0.8	32	26.9	26.9	7.9	7.9	22.0	22.0	64.1	64.1	4.5	4.4	15.4	15.9	6	9	81	85	815615	804226	<0.2	<0.2	1.3	1.4
						1.0	0.8	34	26.9		7.9		22.0		64.1		4.5		15.4		7		82				<0.2		1.4	
					Middle	4.8	0.7	33	26.5	26.5	8.0	8.0	25.6	25.6	61.8	61.8	4.3		16.9		9		84				<0.2		1.3	
						4.8	0.7	33	26.5		8.0		25.6		61.8		4.3		16.9		8		85				<0.2		1.4	
					Bottom	8.6	0.7	35	26.5	26.5	8.0	8.0	26.1	26.1	64.5	64.5	4.5	4.5	15.3		11		89				<0.2		1.4	
						8.6	0.7	35	26.5		8.0		26.1		64.5		4.5		15.3		12		90				<0.2		1.4	
C2	Fine	Moderate	09:21	12.6	Surface	1.0	0.3	21	27.0	27.0	7.8	7.8	21.2	21.2	66.3	66.3	4.7	4.7	11.8	16.0	6	6	77	82	825652	806954	<0.2	<0.2	2.4	2.2
						1.0	0.3	22	27.0		7.8		21.2		66.2		4.7		11.9		6		77				<0.2		2.2	
					Middle	6.3	0.4	27	26.8	26.8	7.8	7.8	21.9	21.9	65.3	65.3	4.6		15.5		6		81				<0.2		2.4	
						6.3	0.4	29	26.8		7.8		21.9		65.3		4.6		15.8		5		80				<0.2		2.0	
					Bottom	11.6	0.4	331	26.4	26.4	7.9	7.9	24.6	24.6	55.6	55.6	3.9	3.9	20.4		6		87				<0.2		2.2	
						11.6	0.5	352	26.4		7.9		24.6		55.6		3.9		20.3		6		87				<0.2		2.0	
C3	Fine	Moderate	07:28	12.1	Surface	1.0	0.7	262	26.6	26.6	8.0	8.0	23.8	23.8	69.1	69.1	4.9	4.7	12.2	20.2	4	6	82	86	822126	817811	<0.2	<0.2	2.0	2.2
						1.0	0.7	275	26.6		8.0		23.8		69.0		4.8		12.2		5		82				<0.2		2.0	
					Middle	6.1	0.7	260	26.0	26.0	8.0	8.0	26.0	26.0	63.7	63.7	4.5		17.8		6		88				<0.2		2.0	
						6.1	0.7	260	26.0		8.0		26.0		63.6		4.5		18.0		6		87				<0.2		2.6	
					Bottom	11.1	0.5	264	25.9	25.9	7.9	7.9	26.3	26.3	56.9	56.9	4.0	4.0	30.4		8		89				<0.2		2.5	
						11.1	0.5	280	25.9		7.9		26.3		56.9		4.0		30.3		8		90				<0.2		2.0	
IM1	Fine	Moderate	07:59	5.4	Surface	1.0	0.1	5	26.8	26.8	7.9	7.9	24.0	24.0	66.1	66.1	4.6	4.6	13.4	15.7	29	29	83	85	817970	807111	<0.2	<0.2	1.3	1.3
						1.0	0.1	5	26.8		7.9		24.0		66.1		4.6		13.4		28		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	31	26.8	26.8	7.9	7.9	24.0	24.0	73.1	73.1	5.1	5.1	18.0		29		85				<0.2		1.2	
						4.4	0.1	32	26.8		7.9		24.0		73.1		5.1		18.0		28		86				<0.2		1.3	
IM2	Fine	Moderate	08:07	8.3	Surface	1.0	0.7	2	26.8	26.8	7.9	7.9	23.3	23.3	72.2	72.2	5.1	4.7	14.6	17.8	18	20	81	87	818136	806143	<0.2	<0.2	1.7	1.6
						1.0	0.7	2	26.8		7.9		23.3		72.2		5.1		14.6		19		83				<0.2		1.5	
					Middle	4.2	0.5	5	26.7	26.7	7.9	7.9	24.2	24.2	59.8	59.8	4.2		18.1		19		86				<0.2		1.4	
						4.2	0.5	5	26.7		7.9		24.2		59.8		4.2		18.1		20		88				<0.2		1.5	
					Bottom	7.3	0.4	355	26.7	26.7	7.9	7.9	24.3	24.3	62.5	62.5	4.4	4.4	20.7		21		91				<0.2		1.7	
						7.3	0.4	327	26.7		7.9		24.3		62.5		4.4		20.7		22		90				<0.2		1.6	
IM3	Fine	Moderate	08:15	8.5	Surface	1.0	0.7	7	26.8	26.8	7.9	7.9	23.1	23.1	64.2	64.2	4.5	4.6	12.7	12.9	12	14	83	86	818775	805598	<0.2	<0.2	1.7	1.8
						1.0	0.8	7	26.8		7.9		23.1		64.2		4.5		12.7		14		84				<0.2		1.6	
					Middle	4.3	0.6	357	26.7	26.7	7.9	7.9	24.6	24.6	66.7	66.7	4.7		11.0		14		86				<0.2		1.8	
						4.3	0.6	328	26.7		7.9		24.6		66.7		4.7		11.0		15		88				<0.2		1.8	
					Bottom	7.5	0.6	2	26.7	26.7	7.9	7.9	24.6	24.6	72.1	72.1	5.0	5.0	14.9		15		89				<0.2		1.9	
						7.5	0.6	2	26.7		7.9		24.6		72.1		5.0		14.9		15		88				<0.2		1.8	
IM4	Fine	Moderate	08:27	8.5	Surface	1.0	0.5	353	26.7	26.7	7.9	7.9	24.6	24.6	67.8	67.8	4.7	4.6	11.9	13.5	14	16	81	85	819709	804619	<0.2	<0.2	1.7	1.8
						1.0	0.5	325	26.7		7.9		24.6		67.8		4.7		11.9		15		82				<0.2		1.7	
					Middle	4.3	0.5	357	26.7	26.7	7.9	7.9	24.8	24.8	63.2	63.2	4.4		12.9		16		87				<0.2		1.7	
						4.3	0.6	359	26.7		7.9		24.8		63.2		4.4		12.9		16		84				<0.2		1.8	
					Bottom	7.5	0.4	358	26.6	26.6	7.9	7.9	24.9	24.9	67.1	67.1	4.7	4.7	15.8		17		88				<0.2		1.7	
						7.5	0.4	329	26.6		7.9		24.9		67.1		4.7		15.8		18		89				<0.2		2.0	
IM5	Fine	Moderate	08:35	7.8	Surface	1.0	0.6	3	26.8	26.8	7.9	7.9	24.2	24.2	68.8	68.8	4.8	4.6	11.4	13.3	12	13	81	85	820754	804859	<0.2	<0.2	2.6	2.6
						1.0	0.7	3	26.8		7.9		24.2		68.8		4.8		11.4		12		82				<0.2		2.6	
					Middle	3.9	0.6	1	26.7	26.7	7.9	7.9	24.4	24.4	61.5	61.5	4.3		13.6		13		87				<0.2		2.5	
						3.9	0.6	1	26.7		7.9		24.4		61.5		4.3		13.6		12		87				<0.2		2.7	
					Bottom	6.8	0.5	355	26.7	26.7	7.9	7.9	24.4	24.4	64.1	64.1	4.5	4.5	14.9		13		87				<0.2		2.8	
						6.8	0.5	327	26.7		7.9		24.4		64.1		4.5		14.9		13		88				<0.2		2.5	
IM6	Fine	Moderate	08:41	7.7	Surface	1.0	0.5	29	26.9	26.9	7.9	7.9	23.4	23.4	66.6	66.6	4.7	4.6	14.3	12.0	10	11	80	83	821051	805856	<0.2	<0.2	2.6	2.5
						1.0	0.5	31	26.9		7.9		23.4		66.6		4.7		14.3		11		79				<0.2		2.6	
					Middle	3.9	0.4	28	26.8	26.8	7.9	7.9	23.6	23.6	63.7	63.7	4.5		10.2		11		82				<0.2		2.3	
						3.9	0.4	29	26.8		7.9		23.6		63.7		4.5		10.2		11		84				<0.2		2.5	
					Bottom	6.7	0.2	16	26.7	26.7	7.9	7.9	24.1	24.1	70.1	70.1	4.9	4.9	11.5		11		86				<0.2		2.4	
						6.7	0.3	16	26.7		7.9		24.1		70.1		4.9		11.5		11		87				<0.2		2.6	
IM7	Fine	Moderate	08:49	9.4	Surface	1.0	0.1	345	27.0	27.0	7.8	7.8	20.1	20.1	68.8	68.8	4.9	4.7	8.1	12.7	7	8	80	83	821331	806826	<0.2	<0.2	2.4	2.3
						1.0	0.1	317	27.0		7.8		20.1		68.8		4.9		8.1		6		79				<0.2		2.3	
					Middle	4.7	0.2	357	26.9	26.9	7.9	7.9	22.2	22.2	63.0	63.0	4.4		13.7		8		82				<0.2		2.2	
						4.7	0.2	328	26.9		7.9		22.2		63.0		4.4		13.7		9		83				<0.2		2.4	
					Bottom	8.4	0.3	50	26.9	26.9	7.9	7.9	23.1	23.1	68.0	68.0	4.8	4.8	16.2		10		87				<0.2		2.3	
						8.4	0.3	52	26.9		7.9		23.1		68.0		4.8		16.2		10		88				<0.2		2.3	
IM8	Fine	Moderate	08:56	9.0	Surface	1.0	0.3	104	27.0	27.0	7.8	7.8	19.8	19.8	71.7	71.7	5.1	5.0	16.2	18.8	7	8	79	83	821804	808117	<0.2	<0.2	2.3	2.3
						1.0	0.3	113	27.0		7.8		19.8		71.7		5.1		16.4		8		78				<0.2		2.4	
					Middle	4.5	0.4	68	26.9	26.9	7.9	7.9	22.6	22.6	68.5	68.6	4.8		18.5		8		83				<0.2		2.2	
						4.5	0.4	69	26.9		7.9		22.6		68.6		4.8		18.6		9		83				<0.2		2.3	
					Bottom	8.0	0.5	49	26.9	26.9	7.9	7.9	23.0	23.0	59.2	59.2	4.2	4.2	21.5		9		88				<0.2		2.3	
						8.0	0.6	49	26.9		7.9		23.0		59.2		4.2		21.6		9		88				<0.2		2.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	08:45	8.0	Surface	1.0	0.3	85	27.0	27.0	7.9	7.9	19.8	19.8	69.2	69.2	4.9	4.9	14.5	17.2	11	13	78	82	822107	808813	<0.2	<0.2	2.5	2.5
						1.0	0.4	85	27.0		7.9		19.8		69.2		4.9		14.6		10		79				<0.2		2.7	
					Middle	4.0	0.3	63	26.9	26.9	7.9	7.9	21.6	21.6	67.3	67.3	4.8		17.0		12		81				<0.2		2.5	
						4.0	0.3	68	26.9		7.9		21.6		67.3		4.8		17.1		11		81				<0.2		2.7	
					Bottom	7.0	0.4	14	26.9	26.9	7.9	7.9	22.7	22.7	60.3	60.3	4.2	4.2	19.9		16		86				<0.2		2.5	
						7.0	0.4	15	26.9		7.9		22.7		60.3		4.2		20.0		16		86				<0.2		2.2	
IM10	Fine	Moderate	08:35	7.7	Surface	1.0	0.4	350	26.9	26.9	7.9	7.9	22.0	22.0	71.3	71.2	5.0	5.0	12.5	17.1	10	11	80	83	822363	809765	<0.2	<0.2	2.4	2.6
						1.0	0.5	351	26.9		7.9		22.0		71.1		5.0		12.9		10		80				<0.2		2.5	
					Middle	3.9	0.5	329	26.8	26.8	7.9	7.9	23.0	23.0	70.4	70.4	4.9		17.7		12		84				<0.2		2.5	
						3.9	0.5	338	26.8		7.9		23.0		70.3		4.9		17.9		11		84				<0.2		2.4	
					Bottom	6.7	0.6	322	26.6	26.6	7.9	7.9	23.8	23.8	59.0	59.0	4.1	4.1	21.0		12		86				<0.2		2.8	
						6.7	0.6	350	26.6		7.9		23.8		59.0		4.1		20.8		11		86				<0.2		2.8	
IM11	Fine	Moderate	08:25	8.8	Surface	1.0	0.7	301	26.7	26.7	8.0	8.0	23.4	23.4	70.0	70.0	4.9	4.8	18.7	20.3	10	12	81	85	822080	811468	<0.2	<0.2	2.3	2.3
						1.0	0.7	323	26.7		8.0		23.4		70.0		4.9		18.8		10		82				<0.2		2.5	
					Middle	4.4	0.5	306	26.5	26.5	8.0	8.0	24.0	24.0	66.0	66.0	4.6		20.2		11		86				<0.2		1.9	
						4.4	0.5	321	26.5		8.0		24.0		66.0		4.6		20.2		12		86				<0.2		2.1	
					Bottom	7.8	0.2	308	26.3	26.3	8.0	8.0	24.8	24.8	57.8	57.8	4.1	4.1	22.0		15		89				<0.2		2.4	
						7.8	0.2	333	26.3		8.0		24.8		57.8		4.1		22.0		16		88				<0.2		2.4	
IM12	Fine	Moderate	08:17	8.4	Surface	1.0	0.9	274	26.7	26.7	8.0	8.0	23.6	23.6	69.7	69.7	4.9	4.9	16.9	19.3	8	10	81	84	821446	812023	<0.2	<0.2	2.0	2.6
						1.0	0.9	280	26.7		8.0		23.6		69.6		4.9		17.1		8		82				<0.2		2.4	
					Middle	4.2	0.8	277	26.6	26.6	8.0	8.0	23.8	23.8	68.9	68.9	4.8		19.1		9		85				<0.2		2.8	
						4.2	0.8	285	26.6		8.0		23.8		68.9		4.8		19.1		9		84				<0.2		2.4	
					Bottom	7.4	0.5	279	26.6	26.6	7.9	7.9	24.0	24.0	59.2	59.2	4.2	4.2	21.7		11		87				<0.2		2.8	
						7.4	0.5	294	26.6		7.9		24.0		59.1		4.2		21.7		12		87				<0.2		3.1	
SR2	Fine	Moderate	07:49	5.1	Surface	1.0	0.1	322	26.7	26.7	7.9	7.9	23.4	23.4	69.8	69.8	4.9	4.9	17.3	18.9	17	19	81	83	821487	814192	<0.2	<0.2	2.6	2.4
						1.0	0.1	323	26.7		7.9		23.4		69.8		4.9		17.4		18		81				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	120	26.6	26.6	7.9	7.9	23.6	23.6	60.7	60.7	4.3	4.3	20.5		20		84				<0.2		2.3	
						4.1	0.1	127	26.6		7.9		23.6		60.7		4.3		20.2		21		84				<0.2		2.4	
SR3	Fine	Moderate	09:03	9.8	Surface	1.0	0.3	45	27.0	27.0	7.9	7.9	20.6	20.6	69.2	69.3	4.9	4.7	19.2	20.3	7	8	-	-	822161	807591	-	-	-	-
						1.0	0.3	48	27.0		7.9		20.6		69.3		4.9		19.6		8		-				-		-	
					Middle	4.9	0.4	80	26.8	26.8	7.9	7.9	23.4	23.4	64.7	64.7	4.5		20.4		8		-				-		-	
						4.9	0.5	80	26.8		7.9		23.4		64.7		4.5		20.4		8		-				-		-	
					Bottom	8.8	0.4	69	26.8	26.8	7.9	7.9	23.5	23.5	60.5	60.6	4.2	4.3	21.1		8		-				-		-	
						8.8	0.4	70	26.8		7.9		23.5		60.6		4.3		21.2		9		-				-		-	
SR4A	Fine	Moderate	07:18	9.8	Surface	1.0	0.2	86	26.8	26.8	7.9	7.9	23.8	23.8	68.8	68.8	4.8	4.6	8.1	9.7	12	12	-	-	817196	807808	-	-	-	-
						1.0	0.2	87	26.8		7.9		23.8		68.8		4.8		8.1		12		-				-		-	
					Middle	4.9	0.0	102	26.8	26.8	7.9	7.9	23.9	23.9	62.1	62.1	4.3		9.9		11		-				-		-	
						4.9	0.0	106	26.8		7.9		23.9		62.1		4.3		9.9		12		-				-		-	
					Bottom	8.8	0.0	70	26.8	26.8	7.9	7.9	24.0	24.0	64.6	64.6	4.5	4.5	11.1		11		-				-		-	
						8.8	0.0	74	26.8		7.9		24.0		64.6		4.5		11.1		12		-				-		-	
SR5A	Fine	Moderate	07:01	4.3	Surface	1.0	0.2	290	26.8	26.8	7.8	7.8	24.1	24.1	64.9	64.9	4.5	4.5	9.1	9.5	12	13	-	-	816571	810684	-	-	-	-
						1.0	0.2	318	26.8		7.8		24.1		64.9		4.5		9.1		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	295	26.8	26.8	7.8	7.8	24.1	24.1	68.1	68.1	4.8	4.8	9.8		14		-				-		-	
						3.3	0.2	295	26.8		7.8		24.1		68.1		4.8		9.8		15		-				-		-	
SR6	Fine	Moderate	06:34	4.6	Surface	1.0	0.2	269	26.7	26.7	7.8	7.8	23.0	23.0	65.5	65.5	4.6	4.6	9.4	10.4	17	19	-	-	817913	814637	-	-	-	-
						1.0	0.2	290	26.7		7.8		23.0		65.5		4.6		9.4		17		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	291	26.7	26.7	7.8	7.8	23.2	23.2	62.5	62.5	4.4	4.4	11.4		21		-				-		-	
						3.6	0.1	297	26.7		7.8		23.2		62.5		4.4		11.4		20		-				-		-	
SR7	Fine	Moderate	07:02	16.7	Surface	1.0	0.3	359	26.4	26.4	7.9	7.9	24.5	24.5	75.2	75.2	5.3	5.1	12.3	15.1	10	12	-	-	823638	823717	-	-	-	-
						1.0	0.3	330	26.4		7.9		24.5		75.2		5.3		12.5		10		-				-		-	
					Middle	8.4	0.2	59	25.9	25.9	7.9	7.9	26.1	26.1	68.8	68.8	4.8		15.6		12		-				-		-	
						8.4	0.2	63	25.9		7.9		26.1		68.8		4.8		15.7		12		-				-		-	
					Bottom	15.7	0.1	148	25.7	25.7	7.9	7.9	26.8	26.8	60.9	61.0	4.3	4.3	17.2		14		-				-		-	
						15.7	0.1	155	25.7		7.9		26.8		61.1		4.3		17.3		13		-				-		-	
SR8	Fine	Moderate	08:05	5.7	Surface	1.0	-	-	26.9	26.9	7.9	7.9	22.3	22.3	70.9	70.9	5.0	5.0	14.9	16.6	14	14	-	-	820417	811593	-	-	-	-
						1.0	-	-	26.9		7.9		22.3		70.9		5.0		14.9		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	-	-	26.4	26.4	8.0	8.0	24.5	24.5	57.3	57.3	4.0	4.0	18.3		14		-				-		-	
						4.7	-	-	26.4		8.0		24.5		57.2		4.0		18.4		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:03	9.3	Surface	1.0	0.1	127	27.3	27.3	8.0	8.0	23.2	23.2	77.5	77.4	5.4	5.1	4.9	8.7	6	6	87	90	815627	804270	<0.2	<0.2	1.7	1.6
						1.0	0.1	128	27.3		8.0		23.2		77.3		5.4		4.9		6		88				<0.2		1.6	
					Middle	4.7	0.0	356	26.5	26.5	8.0	8.0	26.6	26.6	69.9	69.9	4.8		10.3		6		90				<0.2		1.5	
						4.7	0.0	357	26.5		8.0		26.6		69.9		4.9		10.3		6		91				<0.2		1.6	
					Bottom	8.3	0.0	330	26.4	26.4	8.0	8.0	26.8	26.8	71.8	71.9	5.0	5.0	11.0		7		92				<0.2		1.5	
						8.3	0.0	339	26.4		8.0		26.8		72.0		5.0		11.0		7		93				<0.2		1.7	
C2	Fine	Moderate	13:46	11.4	Surface	1.0	0.1	35	27.1	27.1	7.9	7.9	22.3	22.3	70.8	70.8	5.0	5.0	16.0	17.8	9	9	82	86	825685	806956	<0.2	<0.2	2.3	2.2
						1.0	0.2	37	27.1		7.9		22.3		70.8		5.0		16.1		10		82				<0.2		2.1	
					Middle	5.7	0.3	48	27.2	27.2	7.9	7.9	22.6	22.6	72.0	72.1	5.0		17.5		9		86				<0.2		2.6	
						5.7	0.3	49	27.2		7.9		22.6		72.1		5.0		17.7		10		86				<0.2		2.0	
					Bottom	10.4	0.2	49	27.0	27.0	8.0	8.0	23.5	23.5	72.7	72.7	5.1	5.1	19.8		9		90				<0.2		1.9	
						10.4	0.2	49	27.0		8.0		23.5		72.6		5.1		19.6		9		90				<0.2		2.0	
C3	Fine	Moderate	15:46	12.6	Surface	1.0	0.4	49	27.5	27.5	8.0	8.0	23.5	23.5	76.3	76.3	5.3	5.1	8.3	8.4	5	5	82	87	822087	817781	<0.2	<0.2	1.8	1.9
						1.0	0.4	50	27.5		8.0		23.5		76.2		5.3		8.3		4		83				<0.2		2.2	
					Middle	6.3	0.3	91	26.8	26.8	8.0	8.0	24.7	24.7	69.0	69.0	4.8		8.7		5		86				<0.2		2.0	
						6.3	0.3	91	26.8		8.0		24.7		69.0		4.8		8.7		5		87				<0.2		1.9	
					Bottom	11.6	0.2	96	26.5	26.5	8.0	8.0	25.4	25.4	68.3	68.3	4.8	4.8	8.2		6		90				<0.2		1.8	
						11.6	0.3	97	26.5		8.0		25.4		68.3		4.8		8.2		5		91				<0.2		1.7	
IM1	Cloudy	Moderate	14:42	5.0	Surface	1.0	0.1	163	27.1	27.1	8.0	8.0	25.1	25.1	79.9	79.9	5.5	5.5	5.3	5.3	9	11	85	87	817975	807153	<0.2	<0.2	1.5	1.6
						1.0	0.1	164	27.1		8.0		25.1		79.9		5.5		5.4		9		86				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	198	27.0	27.0	8.0	8.0	25.1	25.1	82.5	82.6	5.7	5.7	5.2		12		89				<0.2		1.6	
						4.0	0.1	212	27.0		8.0		25.1		82.6		5.7		5.2		12		89				<0.2		1.6	
IM2	Cloudy	Moderate	14:35	7.9	Surface	1.0	0.2	47	27.2	27.2	8.0	8.0	23.8	23.8	75.2	75.2	5.2	5.1	6.5	11.9	7	9	85	89	818142	806183	<0.2	<0.2	1.5	1.5
						1.0	0.2	51	27.2		8.0		23.8		75.1		5.2		6.5		8		85				<0.2		1.5	
					Middle	4.0	0.1	27	26.5	26.5	8.0	8.0	25.7	25.7	70.0	70.0	4.9		13.2		8		89				<0.2		1.6	
						4.0	0.1	27	26.5		8.0		25.7		70.0		4.9		13.3		9		90				<0.2		1.6	
					Bottom	6.9	0.1	69	26.5	26.5	8.0	8.0	25.8	25.8	74.9	75.1	5.2	5.2	16.1		10		93				<0.2		1.4	
						6.9	0.1	75	26.5		8.0		25.8		75.2		5.2		16.0		10		92				<0.2		1.6	
IM3	Cloudy	Moderate	14:24	7.5	Surface	1.0	0.2	39	27.0	27.0	8.0	8.0	24.1	24.1	72.2	72.2	5.0	4.9	7.6	14.7	7	8	87	90	818796	805610	<0.2	<0.2	1.6	1.5
						1.0	0.2	42	27.0		8.0		24.1		72.2		5.0		7.6		7		87				<0.2		1.5	
					Middle	3.8	0.1	37	26.5	26.5	8.0	8.0	25.9	25.9	68.4	68.5	4.8		15.4		8		89				<0.2		1.5	
						3.8	0.1	39	26.5		8.0		25.9		68.5		4.8		15.4		8		90				<0.2		1.5	
					Bottom	6.5	0.2	30	26.4	26.4	8.0	8.0	26.1	26.1	72.1	72.2	5.0	5.0	21.0		9		92				<0.2		1.5	
						6.5	0.2	31	26.4		8.0		26.1		72.3		5.0		20.9		10		93				<0.2		1.5	
IM4	Cloudy	Moderate	14:14	8.2	Surface	1.0	0.3	27	27.0	27.0	8.0	8.0	24.7	24.7	73.8	73.7	5.1	5.0	6.8	12.7	10	11	86	90	819740	804588	<0.2	<0.2	1.4	1.4
						1.0	0.3	29	27.0		8.0		24.7		73.6		5.1		7.0		10		87				<0.2		1.5	
					Middle	4.1	0.2	21	26.7	26.7	8.0	8.0	25.7	25.7	70.3	70.3	4.9		11.5		10		90				<0.2		1.4	
						4.1	0.2	21	26.8		8.0		25.7		70.3		4.9		11.5		10		91				<0.2		1.5	
					Bottom	7.2	0.1	354	26.4	26.4	8.0	8.0	26.3	26.3	69.6	69.7	4.8	4.8	19.6		14		93				<0.2		1.4	
						7.2	0.1	326	26.4		8.0		26.3		69.7		4.8		19.6		13		93				<0.2		1.4	
IM5	Cloudy	Moderate	14:06	7.6	Surface	1.0	0.2	13	27.2	27.2	8.0	8.0	24.5	24.4	74.8	74.8	5.2	5.0	10.4	11.3	9	10	85	90	820705	804857	<0.2	<0.2	2.2	2.2
						1.0	0.2	13	27.2		8.0		24.4		74.7		5.2		10.5		9		87				<0.2		2.3	
					Middle	3.8	0.1	17	26.5	26.5	8.0	8.0	26.0	26.0	69.1	69.2	4.8		10.2		10		90				<0.2		2.2	
						3.8	0.1	18	26.5		8.0		26.0		69.2		4.8		10.2		9		91				<0.2		2.0	
					Bottom	6.6	0.1	22	26.5	26.5	8.0	8.0	26.0	26.0	74.1	74.2	5.2	5.2	13.4		10		94				<0.2		2.1	
						6.6	0.1	22	26.5		8.0		26.0		74.3		5.2		13.3		11		95				<0.2		2.3	
IM6	Cloudy	Moderate	13:58	7.8	Surface	1.0	0.1	18	27.1	27.1	8.0	8.0	24.7	24.7	74.5	74.5	5.2	5.1	9.3	17.2	14	16	84	89	821049	805813	<0.2	<0.2	2.2	2.2
						1.0	0.1	18	27.1		8.0		24.7		74.5		5.2		9.4		15		86				<0.2		2.2	
					Middle	3.9	0.1	340	26.9	26.9	8.0	8.0	24.8	24.8	72.4	72.4	5.0		16.6		15		88				<0.2		2.1	
						3.9	0.1	355	26.9		8.0		24.8		72.3		5.0		16.9		16		89				<0.2		2.2	
					Bottom	6.8	0.1	56	26.6	26.6	8.0	8.0	25.6	25.6	74.9	75.1	5.2	5.2	25.8		17		93				<0.2		2.2	
						6.8	0.1	60	26.6		8.0		25.6		75.2		5.2		25.4		16		94				<0.2		2.1	
IM7	Cloudy	Moderate	13:44	8.5	Surface	1.0	0.0	15	27.3	27.3	7.9	7.9	21.5	21.5	69.7	69.7	4.9	4.8	7.9	12.5	6	7	87	90	821355	806842	<0.2	<0.2	2.1	2.1
						1.0	0.0	15	27.3		7.9		21.5		69.6		4.9		8.0		6		87				<0.2		2.0	
					Middle	4.3	0.1	332	26.7	26.7	7.9	7.9	24.4	24.4	67.3	67.3	4.7		14.5		6		90				<0.2		2.3	
						4.3	0.1	305	26.7		7.9		24.4		67.3		4.7		14.5		6		91				<0.2		2.1	
					Bottom	7.5	0.1	31	26.7	26.7	7.9	7.9	24.8	24.8	67.8	67.8	4.7	4.7	15.0		8		93				<0.2		2.2	
						7.5	0.1	32	26.7		7.9		24.8		67.8		4.7		14.8		8		94				<0.2		1.9	
IM8	Fine	Moderate	14:16	8.2	Surface	1.0	0.2	88	27.5	27.5	7.9	7.9	22.2	22.2	74.0	74.0	5.2	5.1	10.0	13.0	5	7	83	87	821825	808126	<0.2	<0.2	1.9	2.0
						1.0	0.2	88	27.5		7.9		22.2		74.0		5.2		10.0		5		83				<0.2		1.9	
					Middle	4.1	0.3	85	27.1	27.1	8.0	8.0	23.4	23.3	72.1	72.2	5.0		11.9		8		87				<0.2		2.0	
						4.1	0.3	89	27.1		8.0		23.3		72.2		5.0		11.9		8		87				<0.2		1.9	
					Bottom	7.2	0.3	73	26.8	26.8	8.0	8.0	24.9	24.9	73.0	73.1	5.1	5.1	17.2		8		90				<0.2		2.0	
						7.2	0.3	75	26.8		8.0		24.9		73.1		5.1		17.2		8		91				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:23	7.7	Surface	1.0	0.3	89	27.4	27.4	7.9	7.9	22.2	22.2	73.9	73.9	5.2	5.1	9.9	13.1	7	8	83	86	822114	808804	<0.2	<0.2	1.9	1.8
						1.0	0.3	95	27.4		7.9		22.2		73.9		5.2		10.0		6		82				<0.2		1.9	
					Middle	3.9	0.4	74	27.2	27.2	7.9	7.9	22.8	22.8	71.6	71.6	5.0		10.9		7		86				<0.2		1.8	
						3.9	0.4	74	27.2		7.9		22.8		71.5		5.0		10.9		8		87				<0.2		1.8	
					Bottom	6.7	0.3	61	26.7	26.7	8.0	8.0	24.9	24.9	69.8	69.8	4.9	4.9	18.4		8		90				<0.2		1.8	
						6.7	0.3	64	26.7		8.0		24.9		69.8		4.9		18.4		9		90				<0.2		1.8	
IM10	Fine	Moderate	14:34	7.4	Surface	1.0	0.3	99	27.3	27.3	7.9	7.9	22.4	22.4	73.0	73.0	5.1	5.1	11.0	15.7	10	10	83	87	822407	809782	<0.2	<0.2	1.8	1.8
						1.0	0.4	107	27.3		7.9		22.4		73.0		5.1		11.0		10		82				<0.2		1.9	
					Middle	3.7	0.3	80	27.1	27.1	8.0	8.0	22.9	22.9	71.9	72.0	5.0		14.9		10		87				<0.2		1.8	
						3.7	0.4	87	27.1		8.0		22.9		72.0		5.0		15.1		10		87				<0.2		1.8	
					Bottom	6.4	0.3	87	26.8	26.8	8.0	8.0	24.7	24.7	71.0	71.0	4.9	4.9	21.0		10		91				<0.2		1.8	
						6.4	0.4	87	26.8		8.0		24.7		70.9		4.9		21.0		10		90				<0.2		1.7	
IM11	Fine	Moderate	14:46	7.8	Surface	1.0	0.3	112	27.1	27.1	7.9	7.9	23.0	23.0	72.1	72.1	5.0	4.9	11.1	15.8	9	10	83	87	822034	811455	<0.2	<0.2	1.8	1.8
						1.0	0.4	112	27.1		7.9		23.0		72.1		5.0		11.1		9		82				<0.2		1.7	
					Middle	3.9	0.3	95	26.9	26.9	8.0	8.0	23.5	23.5	68.6	68.6	4.8		14.6		9		86				<0.2		1.9	
						3.9	0.3	99	26.9		8.0		23.5		68.6		4.8		14.7		10		87				<0.2		1.7	
					Bottom	6.8	0.2	89	26.6	26.6	8.0	8.0	24.4	24.4	68.5	68.5	4.8	4.8	21.6		11		91				<0.2		1.8	
						6.8	0.2	89	26.6		8.0		24.4		68.5		4.8		21.7		11		91				<0.2		2.0	
IM12	Fine	Moderate	14:54	8.7	Surface	1.0	0.4	80	27.3	27.3	8.0	8.0	22.7	22.7	73.5	73.5	5.1	5.1	10.8	13.6	6	7	82	86	821454	812054	<0.2	<0.2	1.8	1.8
						1.0	0.5	85	27.3		8.0		22.7		73.4		5.1		10.8		6		83				<0.2		1.9	
					Middle	4.4	0.4	83	27.0	27.0	8.0	8.0	23.7	23.7	71.2	71.3	5.0		13.7		7		85				<0.2		1.9	
						4.4	0.4	87	27.0		8.0		23.7		71.3		5.0		13.7		7		86				<0.2		1.8	
					Bottom	7.7	0.3	93	27.0	27.0	8.0	8.0	23.9	23.9	72.1	72.1	5.0	5.0	16.5		7		90				<0.2		1.8	
						7.7	0.3	96	27.0		8.0		23.9		72.1		5.0		16.3		8		90				<0.2		1.8	
SR2	Fine	Moderate	15:24	4.8	Surface	1.0	0.4	79	27.5	27.5	8.0	8.0	22.3	22.3	76.0	76.0	5.3	5.3	9.6	15.5	6	7	82	84	821488	814173	<0.2	<0.2	1.8	1.9
						1.0	0.4	79	27.5		8.0		22.3		75.9		5.3		9.7		5		83				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	96	26.5	26.5	8.0	8.0	24.7	24.7	66.8	66.8	4.7	4.7	21.3		8		86				<0.2		1.9	
						3.8	0.2	104	26.5		8.0		24.7		66.8		4.7		21.5		7		86				<0.2		1.8	
SR3	Fine	Moderate	14:09	9.7	Surface	1.0	0.3	157	27.4	27.4	7.9	7.9	21.3	21.3	72.1	72.1	5.1	5.1	9.5	14.0	6	7	-	-	822142	807562	-	-	-	-
						1.0	0.3	158	27.4		7.9		21.3		72.1		5.1		9.6		6		-				-		-	
					Middle	4.9	0.3	109	27.2	27.2	7.9	7.9	22.4	22.4	71.8	71.8	5.0		13.4		7		-				-		-	
						4.9	0.4	114	27.2		7.9		22.4		71.8		5.0		13.5		7		-				-		-	
					Bottom	8.7	0.4	75	26.9	26.9	8.0	8.0	24.5	24.5	72.0	72.0	5.0	5.0	18.9		8		-				-		-	
						8.7	0.4	81	26.9		8.0		24.5		72.0		5.0		18.9		9		-				-		-	
SR4A	Cloudy	Moderate	15:26	9.2	Surface	1.0	0.2	68	27.1	27.1	8.0	8.0	24.6	24.6	75.8	75.8	5.3	5.3	7.2	9.7	6	7	-	-	817210	807806	-	-	-	-
						1.0	0.2	73	27.1		8.0		24.6		75.7		5.3		7.3		6		-				-		-	
					Middle	4.6	0.1	78	26.7	26.7	8.0	8.0	25.5	25.5	74.4	74.4	5.2		10.6		8		-				-		-	
						4.6	0.1	78	26.7		8.0		25.5		74.4		5.2		10.7		8		-				-		-	
					Bottom	8.2	0.1	61	26.7	26.7	7.9	7.9	25.6	25.6	76.6	76.7	5.3	5.3	11.1		8		-				-		-	
						8.2	0.1	62	26.7		7.9		25.6		76.7		5.3		11.1		8		-				-		-	
SR5A	Cloudy	Moderate	15:43	5.3	Surface	1.0	0.1	43	27.2	27.2	7.9	7.9	24.0	24.0	75.9	75.9	5.3	5.3	6.5	7.8	6	7	-	-	816621	810706	-	-	-	-
						1.0	0.1	43	27.2		7.9		24.0		75.9		5.3		6.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	163	27.0	27.0	7.9	7.9	24.3	24.3	78.4	78.5	5.5	5.5	9.0		8		-				-		-	
						4.3	0.1	173	27.0		7.9		24.3		78.6		5.5		9.0		8		-				-		-	
SR6	Cloudy	Moderate	16:40	4.8	Surface	1.0	0.2	33	27.6	27.6	7.9	7.9	22.9	22.9	76.5	76.6	5.3	5.3	9.4	10.3	6	7	-	-	817911	814686	-	-	-	-
						1.0	0.2	35	27.6		7.9		22.9		76.6		5.3		9.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	77	27.3	27.3	7.9	7.9	23.3	23.3	80.2	80.3	5.6	5.6	11.0		7		-				-		-	
						3.8	0.2	81	27.3		7.9		23.3		80.4		5.6		11.0		8		-				-		-	
SR7	Fine	Moderate	16:12	18.6	Surface	1.0	0.7	76	26.7	26.7	8.0	8.0	25.2	25.2	70.1	70.1	4.9	**4.7**	8.5	9.0	7	7	-	-	823658	823717	-	-	-	-
						1.0	0.7	81	26.7		8.0		25.2		70.1		4.9		8.5		7		-				-		-	
					Middle	9.3	0.6	82	26.1	26.1	8.0	8.0	26.3	26.3	64.1	64.1	4.5		9.1		7		-				-		-	
						9.3	0.7	87	26.1		8.0		26.3		64.1		4.5		9.2		7		-				-		-	
					Bottom	17.6	0.2	138	26.1	26.1	8.0	8.0	26.4	26.4	65.1	65.2	4.6	4.6	9.4		8		-				-		-	
						17.6	0.2	147	26.1		8.0		26.4		65.2		4.6		9.4		8		-				-		-	
SR8	Fine	Moderate	15:10	3.9	Surface	1.0	-	-	27.3	27.3	8.0	8.0	23.0	23.0	74.6	74.7	5.2	5.2	10.8	11.2	7	8	-	-	820485	811632	-	-	-	-
						1.0	-	-	27.3		8.0		23.0		74.7		5.2		10.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	27.2	27.2	8.0	8.0	23.6	23.6	74.9	75.0	5.2	5.2	11.5		8		-				-		-	
						2.9	-	-	27.2		8.0		23.6		75.0		5.2		11.5		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Route to SR8 was too narrow for navigation under windy weather. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:51	9.1	Surface	1.0	0.6	45	27.0	27.0	7.9	7.9	23.1	23.1	73.0	73.0	5.1	5.0	7.7	12.6	8	9	86	90	815645	804257	<0.2	<0.2	2.5	2.1
						1.0	0.6	46	27.0		7.9		23.1		73.0		5.1		7.8		8		87				<0.2		2.4	
					Middle	4.6	0.5	40	26.5	26.5	8.0	8.0	25.7	25.6	68.9	69.0	4.8		12.2		9		90				<0.2		2.3	
						4.6	0.5	41	26.6		8.0		25.6		69.1		4.8		12.7		10		90				<0.2		1.8	
					Bottom	8.1	0.5	40	26.4	26.4	8.0	8.0	26.4	26.4	72.3	73.0	5.0	5.1	17.3		11		93				<0.2		1.7	
						8.1	0.5	43	26.4		8.0		26.4		73.6		5.1		17.7		10		94				<0.2		1.7	
C2	Fine	Moderate	10:11	11.3	Surface	1.0	0.2	351	27.5	27.5	7.8	7.8	20.1	20.1	71.1	71.2	5.0	4.9	9.8	17.9	3	4	86	90	825695	806923	<0.2	<0.2	2.1	2.2
						1.0	0.2	323	27.5		7.8		20.1		71.2		5.0		9.8		3		85				<0.2		2.2	
					Middle	5.7	0.4	28	27.1	27.1	7.9	7.9	21.3	21.3	68.4	68.5	4.8		17.4		4		89				<0.2		2.1	
						5.7	0.4	30	27.1		7.9		21.3		68.5		4.8		17.4		4		90				<0.2		2.3	
					Bottom	10.3	0.3	16	27.0	27.0	7.9	7.9	21.9	21.9	69.1	69.1	4.9	4.9	26.5		5		94				<0.2		2.3	
						10.3	0.4	16	27.0		7.9		21.9		69.1		4.9		26.7		6		93				<0.2		2.2	
C3	Fine	Moderate	08:16	10.6	Surface	1.0	0.7	259	26.7	26.7	8.0	8.0	24.0	24.0	67.6	67.6	4.7	4.6	10.0	13.7	4	7	84	88	822128	817795	<0.2	<0.2	1.7	1.7
						1.0	0.7	274	26.7		8.0		24.0		67.6		4.7		10.0		4		84				<0.2		1.8	
					Middle	5.3	0.8	256	26.5	26.5	8.0	8.0	24.8	24.8	64.8	64.8	4.5		10.6		7		88				<0.2		1.7	
						5.3	0.8	273	26.5		8.0		24.8		64.8		4.5		10.6		8		88				<0.2		1.6	
					Bottom	9.6	0.4	261	26.3	26.3	8.0	8.0	25.5	25.5	64.1	64.1	4.5	4.5	20.6		9		92				<0.2		1.7	
						9.6	0.5	263	26.3		8.0		25.5		64.1		4.5		20.5		9		92				<0.2		1.6	
IM1	Cloudy	Moderate	09:13	4.6	Surface	1.0	0.2	317	26.6	26.6	8.0	8.0	26.1	26.1	69.9	69.9	4.8	4.9	10.6	9.5	16	18	86	88	817954	807119	<0.2	<0.2	2.4	2.3
						1.0	0.2	345	26.6		8.0		26.1		69.9		4.9		10.6		16		87				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	13	26.5	26.5	8.0	8.0	26.2	26.2	73.2	73.3	5.1	5.1	8.4		19		90				<0.2		2.3	
						3.6	0.2	13	26.5		8.0		26.2		73.4		5.1		8.4		20		90				<0.2		2.2	
IM2	Cloudy	Moderate	09:20	8.1	Surface	1.0	0.4	27	27.0	27.0	8.0	8.0	24.2	24.2	73.0	73.0	5.1	5.1	11.9	12.3	8	9	87	90	818185	806193	<0.2	<0.2	1.4	1.5
						1.0	0.5	29	27.0		8.0		24.2		72.9		5.1		11.1		8		87				<0.2		1.5	
					Middle	4.1	0.3	13	26.5	26.5	8.0	8.0	25.7	25.7	71.5	71.6	5.0		10.3		9		89				<0.2		1.8	
						4.1	0.3	13	26.5		8.0		25.7		71.6		5.0		10.3		9		90				<0.2		1.4	
					Bottom	7.1	0.3	7	26.5	26.5	8.0	8.0	25.9	25.8	74.3	74.4	5.2	5.2	15.0		11		94				<0.2		1.6	
						7.1	0.3	7	26.5		8.0		25.8		74.5		5.2		15.1		11		94				<0.2		1.4	
IM3	Cloudy	Moderate	09:41	8.4	Surface	1.0	0.4	19	27.2	27.2	8.0	8.0	24.0	24.0	75.7	75.7	5.3	5.1	8.3	11.5	8	10	87	90	818806	805578	<0.2	<0.2	1.8	1.8
						1.0	0.4	19	27.2		8.0		24.0		75.7		5.3		8.4		9		87				<0.2		1.8	
					Middle	4.2	0.3	18	26.4	26.4	8.0	8.0	25.9	25.9	70.5	70.6	4.9		10.7		9		89				<0.2		1.8	
						4.2	0.3	18	26.4		8.0		25.9		70.6		4.9		10.9		9		90				<0.2		1.7	
					Bottom	7.4	0.2	0	26.5	26.5	8.0	8.0	25.9	25.9	75.1	75.3	5.2	5.3	15.1		12		94				<0.2		1.8	
						7.4	0.2	0	26.5		8.0		25.9		75.4		5.3		15.6		12		94				<0.2		1.6	
IM4	Cloudy	Moderate	09:55	8.5	Surface	1.0	0.4	17	27.2	27.2	8.0	8.0	24.3	24.3	75.3	75.3	5.2	5.0	7.8	11.6	12	13	85	89	819741	804615	<0.2	<0.2	2.0	2.0
						1.0	0.4	17	27.2		8.0		24.3		75.2		5.2		7.9		12		86				<0.2		2.4	
					Middle	4.3	0.3	9	26.4	26.4	8.0	8.0	26.2	26.2	68.2	68.2	4.7		10.8		13		89				<0.2		2.0	
						4.3	0.4	9	26.4		8.0		26.2		68.2		4.7		10.3		12		90				<0.2		2.0	
					Bottom	7.5	0.3	18	26.4	26.4	8.0	8.0	26.2	26.2	71.2	71.3	4.9	5.0	16.4		13		91				<0.2		1.8	
						7.5	0.3	18	26.4		8.0		26.2		71.3		5.0		16.3		13		92				<0.2		2.0	
IM5	Cloudy	Moderate	10:04	7.8	Surface	1.0	0.4	13	27.1	27.1	8.0	8.0	24.4	24.4	75.5	75.5	5.2	5.0	11.0	12.7	12	13	84	86	820729	804893	<0.2	<0.2	1.6	1.6
						1.0	0.4	13	27.1		8.0		24.4		75.4		5.2		11.2		13		84				<0.2		1.7	
					Middle	3.9	0.3	6	26.5	26.5	8.0	8.0	25.9	25.9	68.9	69.0	4.8		12.4		13		85				<0.2		1.6	
						3.9	0.4	6	26.5		8.0		25.9		69.1		4.8		12.3		13		86				<0.2		1.7	
					Bottom	6.8	0.3	34	26.5	26.5	8.0	8.0	25.9	25.9	74.7	74.9	5.2	5.2	14.7		13		89				<0.2		1.4	
						6.8	0.3	36	26.5		8.0		25.9		75.0		5.2		14.4		13		90				<0.2		1.6	
IM6	Cloudy	Moderate	10:13	7.9	Surface	1.0	0.2	4	27.0	27.0	8.0	8.0	24.6	24.6	73.9	73.9	5.1	5.0	11.4	14.0	9	11	86	90	821057	805831	<0.2	<0.2	1.5	1.5
						1.0	0.2	4	27.0		8.0		24.6		73.8		5.1		11.4		9		87				<0.2		1.4	
					Middle	4.0	0.2	22	26.7	26.7	8.0	8.0	25.3	25.3	69.4	69.4	4.8		13.5		10		90				<0.2		1.6	
						4.0	0.2	22	26.7		8.0		25.3		69.4		4.8		13.8		10		91				<0.2		1.4	
					Bottom	6.9	0.2	42	26.6	26.6	8.0	8.0	25.5	25.5	71.0	71.1	4.9	5.0	16.9		13		92				<0.2		1.5	
						6.9	0.2	44	26.6		8.0		25.5		71.2		5.0		16.9		12		93				<0.2		1.5	
IM7	Cloudy	Moderate	10:22	8.3	Surface	1.0	0.0	8	27.2	27.2	7.9	7.9	21.5	21.5	71.1	71.1	5.0	5.0	7.6	12.3	7	9	86	90	821331	806813	<0.2	<0.2	1.4	1.4
						1.0	0.0	8	27.2		7.9		21.5		71.0		5.0		7.7		7		87				<0.2		1.5	
					Middle	4.2	0.1	347	26.8	26.8	7.9	7.9	24.0	24.0	70.7	70.8	5.0		12.7		9		89				<0.2		1.5	
						4.2	0.1	348	26.8		7.9		24.0		70.8		5.0		12.8		9		90				<0.2		1.4	
					Bottom	7.3	0.1	49	26.7	26.7	7.9	7.9	24.8	24.8	75.1	75.3	5.2	5.3	16.5		9		95				<0.2		1.4	
						7.3	0.1	49	26.7		7.9		24.8		75.4		5.3		16.5		10		94				<0.2		1.4	
IM8	Fine	Moderate	09:40	7.8	Surface	1.0	0.2	80	27.4	27.4	7.9	7.9	20.9	20.9	73.4	73.4	5.2	5.1	10.5	14.9	10	11	85	89	821824	808147	<0.2	<0.2	1.9	1.9
						1.0	0.2	83	27.4		7.9		20.9		73.4		5.2		10.5		10		85				<0.2		1.9	
					Middle	3.9	0.4	65	27.0	27.0	7.9	7.9	22.1	22.1	71.0	71.0	5.0		16.8		11		90				<0.2		2.2	
						3.9	0.4	68	27.0		7.9		22.1		71.0		5.0		16.7		12		89				<0.2		1.9	
					Bottom	6.8	0.5	59	27.0	27.0	7.9	7.9	22.8	22.8	72.4	72.4	5.1	5.1	17.3		12		93				<0.2		1.8	
						6.8	0.5	62	27.0		7.9		22.8		72.4		5.1		17.3		12		94				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	09:31	7.6	Surface	1.0	0.4	40	27.3	27.3	7.9	7.9	21.1	21.1	72.6	72.7	5.1	5.1	13.9	17.6	13	15	86	89	822075	808812	<0.2	<0.2	2.0	2.0
						1.0	0.4	43	27.3		7.9		21.1		72.7		5.1		13.9		13		85				<0.2		2.0	
					Middle	3.8	0.4	42	27.1	27.1	7.9	7.9	21.8	21.8	71.5	71.5	5.0		16.4		15		89				<0.2		2.0	
						3.8	0.4	42	27.1		7.9		21.8		71.5		5.0		16.5		15		89				<0.2		2.0	
					Bottom	6.6	0.5	9	27.0	27.0	7.9	7.9	22.8	22.9	72.7	72.7	5.1	5.1	22.4		17		93				<0.2		2.2	
						6.6	0.5	9	27.0		7.9		22.9		72.7		5.1		22.4		17		94				<0.2		2.0	
IM10	Fine	Moderate	09:22	8.1	Surface	1.0	0.4	317	27.1	27.1	7.9	7.9	22.7	22.7	73.1	73.1	5.1	5.1	19.7	22.4	14	14	85	89	822381	809817	<0.2	<0.2	1.7	1.7
						1.0	0.5	342	27.1		7.9		22.7		73.0		5.1		19.8		14		86				<0.2		1.7	
					Middle	4.1	0.4	336	27.0	27.0	7.9	7.9	22.7	22.7	72.3	72.3	5.1		21.3		14		89				<0.2		1.6	
						4.1	0.4	345	27.0		7.9		22.7		72.3		5.1		21.3		14		89				<0.2		1.8	
					Bottom	7.1	0.4	333	27.0	27.0	7.9	7.9	22.8	22.8	73.5	73.5	5.2	5.2	26.1		15		93				<0.2		1.6	
						7.1	0.4	349	27.0		7.9		22.8		73.5		5.2		26.0		15		93				<0.2		1.8	
IM11	Fine	Moderate	09:11	7.8	Surface	1.0	0.2	303	27.0	27.0	7.9	7.9	23.3	23.3	72.1	72.1	5.0	5.0	15.2	20.0	13	14	85	89	822029	811443	<0.2	<0.2	1.6	1.7
						1.0	0.2	315	27.0		7.9		23.3		72.0		5.0		15.2		13		86				<0.2		1.7	
					Middle	3.9	0.3	44	26.9	26.9	7.9	7.9	23.5	23.5	70.6	70.6	4.9		18.6		14		89				<0.2		1.8	
						3.9	0.4	47	26.9		7.9		23.5		70.6		4.9		18.6		13		89				<0.2		1.6	
					Bottom	6.8	0.4	95	26.8	26.8	7.9	7.9	23.6	23.6	70.4	70.4	4.9	4.9	26.1		15		93				<0.2		1.8	
						6.8	0.4	95	26.8		7.9		23.6		70.4		4.9		26.1		14		93				<0.2		1.7	
IM12	Fine	Moderate	09:03	8.9	Surface	1.0	0.7	279	26.9	26.9	7.9	7.9	23.5	23.5	70.4	70.4	4.9	4.9	15.4	18.5	21	22	85	89	821449	812059	<0.2	<0.2	1.6	1.6
						1.0	0.8	304	26.9		7.9		23.5		70.3		4.9		15.4		21		85				<0.2		1.5	
					Middle	4.5	0.6	276	26.8	26.8	7.9	7.9	23.6	23.6	69.7	69.7	4.9		18.8		21		90				<0.2		1.6	
						4.5	0.7	297	26.8		7.9		23.6		69.6		4.9		18.8		22		89				<0.2		1.6	
					Bottom	7.9	0.5	270	26.8	26.8	7.9	7.9	23.6	23.6	70.6	70.6	4.9	4.9	21.4		23		94				<0.2		1.6	
						7.9	0.5	292	26.8		7.9		23.6		70.6		4.9		21.4		22		93				<0.2		1.6	
SR2	Fine	Moderate	08:36	4.8	Surface	1.0	0.3	51	26.9	26.9	8.0	8.0	23.3	23.3	71.6	71.6	5.0	5.0	16.4	17.8	9	12	85	87	821457	814138	<0.2	<0.2	1.6	1.6
						1.0	0.3	51	26.9		8.0		23.3		71.6		5.0		16.5		10		85				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	42	26.9	26.9	8.0	8.0	23.4	23.4	73.0	73.1	5.1	5.1	19.2		14		90				<0.2		1.6	
						3.8	0.3	45	26.9		8.0		23.4		73.1		5.1		19.1		14		89				<0.2		1.5	
SR3	Fine	Moderate	09:49	8.2	Surface	1.0	0.2	37	27.3	27.3	7.9	7.9	20.8	20.8	71.8	71.8	5.1	5.0	9.7	16.7	5	6	-	-	822169	807588	-	-	-	-
						1.0	0.2	38	27.3		7.9		20.8		71.7		5.1		9.8		4		-				-		-	
					Middle	4.1	0.6	65	26.8	26.8	8.0	8.0	24.0	24.0	68.7	68.7	4.8		14.9		7		-				-		-	
						4.1	0.6	69	26.8		8.0		24.0		68.7		4.8		14.7		6		-				-		-	
					Bottom	7.2	0.5	65	26.7	26.7	8.0	8.0	24.8	24.8	68.9	68.9	4.8	4.8	25.4		7		-				-		-	
						7.2	0.5	66	26.7		8.0		24.8		68.8		4.8		25.4		7		-				-		-	
SR4A	Cloudy	Moderate	08:28	9.2	Surface	1.0	0.1	79	26.9	26.9	7.9	7.9	24.1	24.1	71.7	71.7	5.0	5.0	7.2	9.8	9	10	-	-	817176	807837	-	-	-	-
						1.0	0.1	86	26.9		7.9		24.1		71.7		5.0		7.2		10		-				-		-	
					Middle	4.6	0.2	90	26.7	26.7	7.9	7.9	24.8	24.8	69.8	69.9	4.9		9.7		10		-				-		-	
						4.6	0.3	97	26.7		7.9		24.8		69.9		4.9		9.9		10		-				-		-	
					Bottom	8.2	0.3	78	26.5	26.5	8.0	8.0	25.9	25.9	71.5	71.6	5.0	5.0	12.6		12		-				-		-	
						8.2	0.3	78	26.5		8.0		25.9		71.6		5.0		12.4		11		-				-		-	
SR5A	Cloudy	Calm	08:10	3.8	Surface	1.0	0.1	243	26.9	26.9	7.9	7.9	23.6	23.6	74.9	74.9	5.2	5.2	8.8	9.6	11	11	-	-	816567	810724	-	-	-	-
						1.0	0.2	250	26.9		7.9		23.6		74.9		5.2		8.9		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	269	26.9	26.9	7.9	7.9	23.6	23.6	77.9	78.0	5.5	5.5	10.3		11		-				-		-	
						2.8	0.1	277	26.9		7.9		23.6		78.0		5.5		10.4		10		-				-		-	
SR6	Cloudy	Calm	07:46	4.5	Surface	1.0	0.1	217	26.9	26.9	7.8	7.8	23.5	23.5	78.4	78.5	5.5	5.5	8.7	9.2	10	11	-	-	817896	814635	-	-	-	-
						1.0	0.2	227	26.9		7.8		23.5		78.6		5.5		8.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	211	26.9	26.9	7.7	7.7	23.6	23.6	83.6	83.8	5.9	5.9	9.8		11		-				-		-	
						3.5	0.1	228	26.9		7.7		23.6		83.9		5.9		9.6		12		-				-		-	
SR7	Fine	Moderate	07:50	18.8	Surface	1.0	0.1	172	26.5	26.5	8.0	8.0	24.7	24.7	66.3	66.3	4.6	**4.6**	10.6	13.8	7	9	-	-	823610	823737	-	-	-	-
						1.0	0.1	185	26.5		8.0		24.7		66.3		4.6		10.7		7		-				-		-	
					Middle	9.4	0.2	118	26.3	26.3	8.0	8.0	25.5	25.5	64.9	64.9	4.5		13.4		9		-				-		-	
						9.4	0.2	127	26.3		8.0		25.5		64.8		4.5		13.4		9		-				-		-	
					Bottom	17.8	0.2	127	26.1	26.1	8.0	8.0	26.3	26.3	64.4	64.5	4.5	4.5	17.4		10		-				-		-	
						17.8	0.2	128	26.1		8.0		26.3		64.5		4.5		17.3		10		-				-		-	
SR8	Fine	Moderate	08:53	5.5	Surface	1.0	-	-	26.9	26.9	7.9	7.9	23.2	23.2	71.2	71.2	5.0	5.0	15.5	16.7	14	15	-	-	820518	811673	-	-	-	-
						1.0	-	-	26.9		7.9		23.2		71.2		5.0		15.6		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	26.7	26.7	7.9	7.9	23.8	23.8	71.5	71.6	5.0	5.0	18.0		16		-				-		-	
						4.5	-	-	26.7		7.9		23.8		71.6		5.0		17.8		16		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Route to SR8 was too narrow for navigation under windy weather. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	11:32	8.9	Surface	1.0	0.7	46	27.7	27.7	8.0	8.0	21.1	21.0	78.8	78.8	5.5	5.5	13.5	15.8	4	4	85	89	815610	804251	<0.2	<0.2	2.0	2.0
						1.0	0.7	48	27.7		8.0		20.9		78.8		5.5		13.4		5		86				<0.2		2.0	
					Middle	4.5	0.3	35	26.9	26.9	8.1	8.1	27.6	27.6	78.3	78.5	5.4		15.6		4		89				<0.2		2.0	
						4.5	0.3	35	26.9		8.1		27.6		78.7		5.4		15.4		4		90				<0.2		2.0	
					Bottom	7.9	0.4	31	26.9	26.9	8.1	8.1	28.0	28.0	80.9	81.0	5.5	5.5	18.5		5		93				<0.2		1.9	
						7.9	0.4	33	26.9		8.1		28.0		81.1		5.5		18.6		4		93				<0.2		2.2	
C2	Fine	Moderate	12:30	12.0	Surface	1.0	0.3	27	28.3	28.3	7.9	7.9	16.9	16.9	71.3	71.3	5.1	4.9	8.9	14.7	4	4	79	83	825662	806966	<0.2	<0.2	3.1	2.8
						1.0	0.3	28	28.3		7.9		16.9		71.3		5.1		8.9		3		79				<0.2		2.7	
					Middle	6.0	0.2	358	27.4	27.4	7.9	7.9	22.6	22.6	67.0	67.1	4.7		15.0		5		82				<0.2		2.9	
						6.0	0.2	329	27.4		7.9		22.6		67.1		4.7		15.1		4		82				<0.2		2.6	
					Bottom	11.0	0.3	322	26.9	26.9	7.9	7.9	24.4	24.4	66.8	66.8	4.7	4.7	20.2		6		87				<0.2		2.5	
						11.0	0.3	330	26.9		7.9		24.4		66.8		4.7		20.1		4		87				<0.2		2.7	
C3	Fine	Moderate	10:39	11.8	Surface	1.0	0.4	218	27.7	27.7	7.9	7.9	22.5	22.5	74.0	74.0	5.1	5.0	7.7	9.2	5	5	82	87	822121	817826	<0.2	<0.2	2.4	2.5
						1.0	0.5	230	27.7		7.9		22.5		74.0		5.1		7.7		5		82				<0.2		2.4	
					Middle	5.9	0.4	233	27.2	27.2	7.9	7.9	23.8	23.9	70.2	70.1	4.9		7.9		6		88				<0.2		2.3	
						5.9	0.4	255	27.2		7.9		23.9		70.0		4.9		7.9		6		88				<0.2		2.6	
					Bottom	10.8	0.6	269	26.7	26.7	8.0	8.0	25.7	25.7	70.6	70.7	4.9	4.9	12.0		4		91				<0.2		2.7	
						10.8	0.6	278	26.7		8.0		25.7		70.7		4.9		11.9		6		91				<0.2		2.6	
IM1	Fine	Moderate	11:51	5.6	Surface	1.0	0.1	310	28.0	28.0	7.9	7.9	18.6	18.6	83.9	84.0	5.9	5.9	7.9	8.0	5	5	86	87	817967	807132	<0.2	<0.2	1.7	1.8
						1.0	0.1	313	28.0		7.9		18.6		84.1		5.9		8.0		5		86				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	303	27.9	27.9	7.9	7.9	18.8	18.8	88.3	88.5	6.2	6.3	8.1		4		88				<0.2		1.8	
						4.6	0.0	330	27.9		7.9		18.8		88.7		6.3		7.9		6		89				<0.2		1.7	
IM2	Fine	Moderate	11:59	7.7	Surface	1.0	0.3	324	28.1	28.1	7.9	7.9	18.9	18.9	79.1	79.1	5.6	5.4	9.2	12.9	4	4	84	89	818170	806168	<0.2	<0.2	1.8	1.9
						1.0	0.4	350	28.1		7.9		18.9		79.0		5.6		9.4		4		85				<0.2		2.0	
					Middle	3.9	0.5	346	27.2	27.2	8.0	8.0	24.6	24.6	74.5	74.6	5.2		11.6		3		89				<0.2		1.8	
						3.9	0.5	354	27.2		8.0		24.6		74.7		5.2		11.4		5		90				<0.2		1.8	
					Bottom	6.7	0.4	12	27.2	27.2	7.9	7.9	24.7	24.7	79.7	79.9	5.5	5.5	17.8		3		93				<0.2		1.7	
						6.7	0.4	12	27.2		7.9		24.7		80.1		5.5		17.9		5		94				<0.2		2.1	
IM3	Fine	Moderate	12:05	7.9	Surface	1.0	0.4	352	28.1	28.0	7.9	7.9	18.8	18.8	77.5	77.5	5.5	5.4	12.6	14.0	6	6	86	90	818767	805587	<0.2	<0.2	2.5	2.3
						1.0	0.4	324	28.0		7.9		18.8		77.4		5.5		12.3		4		87				<0.2		2.3	
					Middle	4.0	0.4	8	27.1	27.1	8.0	8.0	25.0	25.0	74.7	74.8	5.2		13.7		5		90				<0.2		1.8	
						4.0	0.4	8	27.1		8.0		25.0		74.9		5.2		13.5		6		90				<0.2		2.5	
					Bottom	6.9	0.3	17	27.1	27.1	8.0	8.0	25.4	25.3	80.6	80.8	5.6	5.6	16.1		5		94				<0.2		2.5	
						6.9	0.3	18	27.1		8.0		25.3		80.9		5.6		15.7		7		95				<0.2		2.4	
IM4	Fine	Moderate	12:14	8.0	Surface	1.0	0.5	5	27.8	27.8	7.9	7.9	20.3	20.3	76.4	76.4	5.4	5.3	11.9	12.9	7	7	86	90	819725	804626	<0.2	<0.2	2.5	2.5
						1.0	0.5	5	27.8		7.9		20.3		76.4		5.4		12.0		7		87				<0.2		2.3	
					Middle	4.0	0.4	357	27.2	27.2	8.0	8.0	24.9	24.9	75.6	75.7	5.2		12.8		7		89				<0.2		2.6	
						4.0	0.4	328	27.2		8.0		24.9		75.8		5.2		12.9		8		91				<0.2		2.5	
					Bottom	7.0	0.4	358	27.2	27.2	8.0	8.0	24.9	24.8	80.0	80.2	5.5	5.6	14.1		6		93				<0.2		2.6	
						7.0	0.4	358	27.2		8.0		24.8		80.3		5.6		13.7		7		94				<0.2		2.4	
IM5	Fine	Moderate	12:21	7.3	Surface	1.0	0.6	4	27.9	27.9	7.9	7.9	20.5	20.5	75.9	75.9	5.3	5.2	6.0	9.7	4	4	86	90	820706	804851	<0.2	<0.2	2.4	2.4
						1.0	0.6	4	27.9		7.9		20.5		75.8		5.3		6.1		4		86				<0.2		2.4	
					Middle	3.7	0.5	11	27.2	27.2	8.0	8.0	24.6	24.6	71.7	71.8	5.0		10.3		6		89				<0.2		2.4	
						3.7	0.5	11	27.2		8.0		24.6		71.8		5.0		10.5		4		91				<0.2		2.2	
					Bottom	6.3	0.4	9	27.2	27.2	8.0	8.0	24.8	24.8	74.5	74.5	5.2	5.2	12.7		3		94				<0.2		2.5	
						6.3	0.4	9	27.2		8.0		24.8		74.5		5.2		12.8		3		95				<0.2		2.7	
IM6	Fine	Moderate	12:27	7.5	Surface	1.0	0.2	31	28.4	28.4	7.9	7.9	19.9	19.9	79.8	79.7	5.6	5.4	5.1	9.8	4	4	85	89	821033	805844	<0.2	<0.2	2.2	2.3
						1.0	0.3	31	28.4		7.9		19.9		79.6		5.5		5.2		4		86				<0.2		2.3	
					Middle	3.8	0.2	22	27.8	27.8	7.9	7.9	21.6	21.6	75.6	75.6	5.3		9.3		6		90				<0.2		2.3	
						3.8	0.3	23	27.8		7.9		21.6		75.6		5.3		9.5		4		91				<0.2		2.4	
					Bottom	6.5	0.1	50	27.4	27.4	7.9	7.9	23.8	23.8	76.3	76.4	5.3	5.3	14.6		5		92				<0.2		2.2	
						6.5	0.1	53	27.4		7.9		23.8		76.5		5.3		14.8		4		92				<0.2		2.2	
IM7	Fine	Moderate	12:34	8.9	Surface	1.0	0.0	158	29.1	29.1	7.9	7.9	13.6	13.6	78.5	78.5	5.6	5.6	4.3	6.7	4	4	86	90	821373	806857	<0.2	<0.2	2.1	2.1
						1.0	0.0	173	29.1		7.9		13.6		78.4		5.6		4.3		4		87				<0.2		2.2	
					Middle	4.5	0.2	61	27.8	27.8	7.9	7.9	19.2	19.2	79.4	79.4	5.6		6.3		5		90				<0.2		2.0	
						4.5	0.2	66	27.8		7.9		19.2		79.4		5.6		6.5		3		89				<0.2		2.2	
					Bottom	7.9	0.1	78	27.8	27.8	7.9	7.9	21.5	21.5	84.0	84.2	5.9	5.9	9.5		3		93				<0.2		2.1	
						7.9	0.1	79	27.8		7.9		21.5		84.3		5.9		9.4		4		94				<0.2		2.2	
IM8	Fine	Moderate	12:02	8.1	Surface	1.0	0.2	55	28.9	28.9	7.9	7.9	12.9	12.9	75.7	75.7	5.4	5.3	9.6	11.0	4	4	78	83	821843	808149	<0.2	<0.2	2.4	2.5
						1.0	0.2	55	28.9		7.9		12.9		75.6		5.4		9.7		3		78				<0.2		2.6	
					Middle	4.1	0.2	76	27.8	27.8	7.9	7.9	20.4	20.4	72.3	72.3	5.1		11.6		3		82				<0.2		2.8	
						4.1	0.2	76	27.8		7.9		20.4		72.3		5.1		11.6		5		81				<0.2		2.4	
					Bottom	7.1	0.2	104	27.5	27.5	7.9	7.9	21.5	21.5	69.8	69.9	4.9	4.9	11.8		5		88				<0.2		2.4	
						7.1	0.2	104	27.5		7.9		21.5		69.9		4.9		11.9		4		88				<0.2		2.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	11:54	7.6	Surface	1.0	0.2	48	28.7	28.7	7.9	7.9	14.7	14.7	75.1	75.1	5.4	5.2	9.2	11.5	4	5	78	83	822067	808832	<0.2	<0.2	2.4	2.5
						1.0	0.2	52	28.7		7.9		14.7		75.0		5.3		9.2		5		78				<0.2		2.5	
					Middle	3.8	0.3	40	27.9	27.9	7.9	7.9	18.6	18.6	70.9	71.0	5.0		10.7		5		82				<0.2		2.5	
						3.8	0.3	41	27.9		7.9		18.6		71.0		5.0		10.8		6		82				<0.2		2.3	
					Bottom	6.6	0.3	78	27.6	27.6	7.9	7.9	21.3	21.3	69.9	69.9	4.9	4.9	14.4		7		88				<0.2		2.7	
						6.6	0.3	84	27.6		7.9		21.3		69.9		4.9		14.4		5		88				<0.2		2.5	
IM10	Fine	Moderate	11:45	7.8	Surface	1.0	0.3	35	28.8	28.8	7.9	7.9	13.9	13.9	77.1	77.1	5.5	5.3	10.8	15.9	6	6	78	83	822359	809808	<0.2	<0.2	2.1	1.9
						1.0	0.3	38	28.8		7.9		13.9		77.1		5.5		10.9		6		78				<0.2		1.9	
					Middle	3.9	0.4	339	27.9	27.9	7.9	7.9	20.4	20.4	72.6	72.6	5.1		15.9		6		83				<0.2		1.7	
						3.9	0.4	312	27.9		7.9		20.3		72.5		5.1		16.4		4		83				<0.2		1.9	
					Bottom	6.8	0.5	316	27.4	27.4	7.9	7.9	23.0	23.0	71.5	71.5	5.0	5.0	20.6		7		88				<0.2		1.9	
						6.8	0.5	346	27.4		7.9		23.0		71.5		5.0		20.5		6		88				<0.2		1.8	
IM11	Fine	Moderate	11:34	8.6	Surface	1.0	0.3	325	28.1	28.1	7.9	7.9	20.6	20.6	75.9	75.8	5.3	5.1	8.4	12.1	6	5	81	86	822081	811468	<0.2	<0.2	2.0	1.9
						1.0	0.4	327	28.1		7.9		20.6		75.7		5.3		8.5		4		81				<0.2		1.9	
					Middle	4.3	0.4	299	27.4	27.4	7.9	7.9	23.1	23.1	69.8	69.8	4.9		12.6		4		87				<0.2		2.2	
						4.3	0.4	304	27.4		7.9		23.1		69.8		4.9		12.6		4		88				<0.2		1.9	
					Bottom	7.6	0.2	297	27.1	27.1	7.9	7.9	24.1	24.1	68.5	68.5	4.8	4.8	15.1		5		90				<0.2		1.7	
						7.6	0.2	323	27.1		7.9		24.1		68.5		4.8		15.1		6		90				<0.2		1.8	
IM12	Fine	Moderate	11:27	8.9	Surface	1.0	0.5	282	27.9	27.9	7.9	7.9	21.5	21.5	74.1	74.0	5.2	5.0	10.0	14.9	8	7	81	86	821466	812022	<0.2	<0.2	1.7	1.8
						1.0	0.5	304	27.9		7.9		21.5		73.9		5.1		10.2		7		82				<0.2		1.7	
					Middle	4.5	0.5	287	27.4	27.4	7.9	7.9	23.2	23.2	70.6	70.6	4.9		15.2		7		87				<0.2		1.7	
						4.5	0.6	289	27.4		7.9		23.2		70.5		4.9		15.2		8		88				<0.2		1.8	
					Bottom	7.9	0.4	285	27.2	27.2	7.9	7.9	23.7	23.7	70.4	70.4	4.9	4.9	19.4		6		90				<0.2		2.0	
						7.9	0.4	293	27.2		7.9		23.7		70.4		4.9		19.5		5		89				<0.2		1.8	
SR2	Fine	Moderate	11:01	4.3	Surface	1.0	0.2	320	27.7	27.7	7.9	7.9	22.4	22.4	73.7	73.6	5.1	5.1	9.5	11.6	10	8	82	85	821449	814142	<0.2	<0.2	1.8	1.8
						1.0	0.2	320	27.7		7.9		22.4		73.5		5.1		9.5		8		82				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	328	27.2	27.2	7.9	7.9	23.8	23.8	71.0	71.1	4.9	5.0	13.7		6		87				<0.2		1.7	
						3.3	0.0	344	27.2		7.9		23.8		71.2		5.0		13.7		6		87				<0.2		1.7	
SR3	Fine	Moderate	12:09	9.2	Surface	1.0	0.2	22	28.5	28.5	7.9	7.9	15.3	15.3	73.6	73.6	5.3	5.1	12.6	15.1	4	4	-	-	822126	807587	-	-	-	-
						1.0	0.2	23	28.5		7.9		15.3		73.5		5.2		12.8		5		-				-		-	
					Middle	4.6	0.2	77	27.8	27.8	7.9	7.9	20.0	20.0	71.5	71.6	5.0		14.8		3		-				-		-	
						4.6	0.2	78	27.8		7.9		20.0		71.6		5.0		15.3		5		-				-		-	
					Bottom	8.2	0.2	76	27.6	27.6	8.0	8.0	21.9	21.9	71.5	71.6	5.0	5.0	17.7		3		-				-		-	
						8.2	0.2	83	27.6		8.0		21.9		71.6		5.0		17.5		3		-				-		-	
SR4A	Fine	Moderate	11:09	8.6	Surface	1.0	0.1	35	28.2	28.2	7.9	7.9	19.7	19.7	79.1	79.1	5.5	5.4	5.8	5.9	5	5	-	-	817197	807821	-	-	-	-
						1.0	0.1	36	28.3		7.9		19.7		79.1		5.5		5.8		6		-				-		-	
					Middle	4.3	0.1	246	27.8	27.8	7.9	7.9	23.3	23.3	76.8	76.8	5.3		5.8		5		-				-		-	
						4.3	0.1	254	27.8		7.9		23.3		76.8		5.3		5.8		7		-				-		-	
					Bottom	7.6	0.1	234	27.7	27.7	7.9	7.9	23.4	23.4	78.2	78.3	5.4	5.4	6.2		5		-				-		-	
						7.6	0.2	244	27.7		7.9		23.4		78.4		5.4		6.1		4		-				-		-	
SR5A	Fine	Moderate	10:52	4.3	Surface	1.0	0.2	254	27.7	27.7	7.9	7.9	23.3	23.3	78.6	78.6	5.4	5.4	4.4	4.6	2	5	-	-	816565	810720	-	-	-	-
						1.0	0.2	263	27.7		7.9		23.3		78.6		5.4		4.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	263	27.7	27.7	7.9	7.9	23.3	23.3	83.4	83.4	5.8	5.8	4.8		6		-				-		-	
						3.3	0.1	276	27.7		7.9		23.3		83.4		5.8		4.8		6		-				-		-	
SR6	Fine	Moderate	10:30	4.5	Surface	1.0	0.2	232	27.9	27.9	7.8	7.8	21.7	21.7	78.5	78.4	5.5	5.5	3.4	3.9	3	3	-	-	817875	814650	-	-	-	-
						1.0	0.2	250	27.9		7.8		21.7		78.3		5.5		3.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	238	27.5	27.6	7.8	7.7	23.2	23.1	79.4	82.2	5.5	5.7	4.5		3		-				-		-	
						3.5	0.2	244	27.6		7.7		23.1		84.9		5.9		4.3		2		-				-		-	
SR7	Fine	Moderate	10:12	16.5	Surface	1.0	0.0	231	27.4	27.4	8.0	8.0	23.4	23.4	74.6	74.7	5.3	5.1	8.2	9.8	2	3	-	-	823612	823771	-	-	-	-
						1.0	0.0	253	27.4		8.0		23.4		74.7		5.3		8.2		3		-				-		-	
					Middle	8.3	0.1	35	26.8	26.8	8.0	8.0	25.5	25.5	68.7	68.7	4.8		9.9		3		-				-		-	
						8.3	0.1	36	26.8		8.0		25.5		68.7		4.8		10.0		3		-				-		-	
					Bottom	15.5	0.2	118	26.6	26.6	8.0	8.0	26.4	26.4	68.9	68.9	4.8	4.8	11.3		2		-				-		-	
						15.5	0.2	118	26.6		8.0		26.4		68.9		4.8		11.3		<2		-				-		-	
SR8	Fine	Moderate	11:26	5.6	Surface	1.0	-	-	28.1	28.1	7.9	7.9	21.2	21.2	77.0	77.0	5.4	5.4	8.1	11.1	2	3	-	-	820476	811688	-	-	-	-
						1.0	-	-	28.1		7.9		21.2		77.0		5.4		8.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	27.4	27.4	7.9	7.9	23.2	23.2	72.3	72.3	5.0	5.0	14.1		2		-				-		-	
						4.6	-	-	27.4		7.9		23.2		72.3		5.0		14.0		<2		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note 1: Route to SR8 was too narrow for navigation under windy weather. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.
Note 2: The ebb tide monitoring session on 15 September 2018 was cancelled due to typhoon.

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	07:44	8.8	Surface	1.0	0.1	162	26.9	26.9	8.0	8.0	23.2	23.2	93.4	93.4	6.6	6.5	5.1	8.1	7	8	82	86	815609	804230	<0.2	<0.2	1.7	1.7
						1.0	0.1	171	26.9		8.0		23.2		93.4		6.6		5.1		6		83				<0.2		1.9	
					Middle	4.4	0.1	54	26.8	26.8	8.0	8.0	23.4	23.4	91.7	91.7	6.4		6.5		7		85				<0.2		1.7	
						4.4	0.1	59	26.8		8.0		23.4		91.7		6.4		6.6		6		86				<0.2		1.7	
					Bottom	7.8	0.1	10	26.6	26.6	8.1	8.1	26.6	26.6	88.4	88.4	6.1	6.1	12.6		9		91				<0.2		1.5	
						7.8	0.1	10	26.6		8.1		26.6		88.4		6.1		12.5		10		91				<0.2		1.4	
C2	Fine	Rough	09:18	10.1	Surface	1.0	0.8	173	27.5	27.5	7.9	7.9	12.1	12.1	87.9	87.8	6.5	6.3	10.6	11.1	4	4	78	82	825686	806973	<0.2	<0.2	4.4	4.2
						1.0	0.9	181	27.5		7.9		12.1		87.7		6.5		10.9		4		79				<0.2		4.2	
					Middle	5.1	0.5	161	26.8	26.8	8.0	8.0	23.6	23.6	86.2	86.2	6.0		11.1		4		81				<0.2		4.3	
						5.1	0.5	164	26.8		8.0		23.7		86.2		6.0		11.0		3		82				<0.2		4.0	
					Bottom	9.1	0.2	171	26.8	26.8	8.0	8.0	24.2	24.2	86.6	86.6	6.1	6.1	11.5		4		87				<0.2		4.4	
						9.1	0.2	176	26.8		8.0		24.2		86.6		6.1		11.5		4		87				<0.2		4.0	
C3	Cloudy	Moderate	07:32	12.3	Surface	1.0	0.2	301	26.6	26.6	8.1	8.1	25.4	25.4	92.5	92.5	6.4	6.4	10.4	9.9	6	7	75	82	822118	817808	<0.2	<0.2	4.3	4.3
						1.0	0.2	305	26.6		8.1		25.4		92.4		6.4		10.4		6		75				<0.2		4.2	
					Middle	6.2	0.2	277	26.6	26.6	8.1	8.1	25.8	25.8	91.8	91.8	6.4		9.6		8		82				<0.2		4.1	
						6.2	0.2	292	26.6		8.1		25.8		91.7		6.4		9.6		8		83				<0.2		4.2	
					Bottom	11.3	0.2	263	26.6	26.6	8.1	8.1	26.2	26.2	91.9	91.9	6.4	6.4	9.6		8		88				<0.2		4.4	
						11.3	0.2	281	26.6		8.1		26.2		91.9		6.4		9.6		8		87				<0.2		4.3	
IM1	Fine	Moderate	08:09	5.0	Surface	1.0	0.1	90	26.8	26.8	8.0	8.0	24.6	24.6	91.7	91.7	6.4	6.4	7.2	9.5	9	9	87	89	817947	807120	<0.2	<0.2	1.5	1.4
						1.0	0.1	90	26.8		8.0		24.6		91.7		6.4		7.2		9		87				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	45	26.7	26.7	8.0	8.0	25.7	25.7	89.5	89.5	6.2	6.2	11.7		9		90				<0.2		1.4	
						4.0	0.1	45	26.7		8.0		25.7		89.5		6.2		11.8		8		90				<0.2		1.3	
IM2	Fine	Moderate	08:16	7.2	Surface	1.0	0.3	200	26.8	26.8	8.0	8.0	24.2	24.2	91.5	91.6	6.4	6.3	5.6	10.0	6	7	83	87	818178	806175	<0.2	<0.2	1.6	1.6
						1.0	0.3	216	26.8		8.0		24.2		91.6		6.4		5.6		6		83				<0.2		1.5	
					Middle	3.6	0.1	314	26.7	26.7	8.0	8.0	25.0	25.0	89.5	89.5	6.2		8.5		8		86				<0.2		1.6	
						3.6	0.1	342	26.7		8.0		24.9		89.4		6.2		8.5		8		86				<0.2		1.5	
					Bottom	6.2	0.2	343	26.6	26.6	8.0	8.0	26.7	26.7	87.7	87.7	6.1	6.1	15.7		8		91				<0.2		1.5	
						6.2	0.2	353	26.6		8.0		26.7		87.7		6.1		15.8		7		90				<0.2		1.6	
IM3	Fine	Moderate	08:24	7.4	Surface	1.0	0.5	228	26.9	26.9	8.0	8.0	23.3	23.3	92.1	92.1	6.5	6.4	6.3	10.0	9	9	81	85	818764	805594	<0.2	<0.2	1.7	1.6
						1.0	0.5	232	26.9		8.0		23.3		92.1		6.5		6.4		8		81				<0.2		1.6	
					Middle	3.7	0.3	227	26.8	26.8	8.0	8.0	24.2	24.2	90.1	90.1	6.3		8.4		9		85				<0.2		1.7	
						3.7	0.3	235	26.8		8.0		24.2		90.1		6.3		8.4		9		85				<0.2		1.5	
					Bottom	6.4	0.1	320	26.7	26.7	8.0	8.0	25.5	25.6	88.6	88.6	6.2	6.2	15.2		9		90				<0.2		1.5	
						6.4	0.1	322	26.7		8.0		25.6		88.6		6.2		15.4		8		89				<0.2		1.5	
IM4	Fine	Moderate	08:35	7.5	Surface	1.0	0.5	223	27.5	27.5	7.9	7.9	14.1	14.1	92.5	92.5	6.8	6.7	4.8	8.4	5	6	78	82	819697	804612	<0.2	<0.2	3.5	3.6
						1.0	0.5	243	27.5		7.9		14.1		92.5		6.8		4.9		5		78				<0.2		3.5	
					Middle	3.8	0.4	206	26.9	26.9	7.9	7.9	21.0	21.0	92.0	92.0	6.5		7.2		5		82				<0.2		3.5	
						3.8	0.4	216	26.9		7.9		21.0		92.0		6.5		7.3		6		81				<0.2		3.6	
					Bottom	6.5	0.2	230	26.7	26.7	8.0	8.0	24.2	24.2	87.4	87.4	6.1	6.1	13.1		7		86				<0.2		3.8	
						6.5	0.2	230	26.7		8.0		24.3		87.4		6.1		13.2		6		87				<0.2		3.8	
IM5	Fine	Moderate	08:47	6.4	Surface	1.0	0.7	244	27.7	27.7	7.9	7.9	13.5	13.5	91.3	91.3	6.7	6.6	4.5	8.1	5	6	77	83	820725	804852	<0.2	<0.2	2.8	2.9
						1.0	0.7	248	27.7		7.9		13.5		91.3		6.7		4.6		6		78				<0.2		2.6	
					Middle	3.2	0.6	237	26.9	26.9	7.9	7.9	21.7	21.7	91.1	91.1	6.4		6.9		6		84				<0.2		2.9	
						3.2	0.6	249	26.9		7.9		21.7		91.1		6.4		6.9		5		84				<0.2		2.8	
					Bottom	5.4	0.6	235	26.8	26.8	8.0	8.0	23.6	23.6	88.3	88.3	6.2	6.2	12.7		5		87				<0.2		3.2	
						5.4	0.6	253	26.8		8.0		23.6		88.3		6.2		12.7		6		87				<0.2		2.8	
IM6	Fine	Moderate	08:59	6.7	Surface	1.0	0.7	259	27.3	27.3	7.9	7.9	18.3	18.3	92.6	92.6	6.6	6.6	3.8	6.2	3	5	79	82	821053	805812	<0.2	<0.2	2.4	2.2
						1.0	0.8	277	27.3		7.9		18.3		92.6		6.6		3.8		3		80				<0.2		2.3	
					Middle	3.4	0.6	248	27.0	27.0	7.9	7.9	20.5	20.5	91.0	91.0	6.5		5.1		4		82				<0.2		2.1	
						3.4	0.6	253	27.0		7.9		20.5		91.0		6.5		5.1		4		82				<0.2		2.1	
					Bottom	5.7	0.5	239	26.8	26.8	8.0	8.0	22.0	21.9	90.2	90.2	6.4	6.4	9.8		8		85				<0.2		2.1	
						5.7	0.5	262	26.8		8.0		21.9		90.2		6.4		9.7		8		84				<0.2		2.4	
IM7	Fine	Moderate	09:10	8.0	Surface	1.0	0.7	248	27.3	27.3	7.9	7.9	16.8	17.1	92.3	92.3	6.7	6.6	4.3	4.5	4	5	79	82	821377	806817	<0.2	<0.2	2.8	2.7
						1.0	0.7	258	27.3		7.9		17.5		92.3		6.6		4.3		4		79				<0.2		2.6	
					Middle	4.0	0.6	255	26.9	26.9	7.9	7.9	20.6	20.6	91.7	91.7	6.5		4.4		4		82				<0.2		3.0	
						4.0	0.7	255	26.9		7.9		20.6		91.7		6.5		4.4		4		81				<0.2		2.7	
					Bottom	7.0	0.5	256	26.8	26.8	7.9	7.9	22.1	22.1	91.8	91.8	6.5	6.5	4.7		6		86				<0.2		2.6	
						7.0	0.6	262	26.8		7.9		22.1		91.8		6.5		4.7		6		85				<0.2		2.6	
IM8	Fine	Rough	08:50	7.4	Surface	1.0	0.5	188	27.1	27.1	8.0	8.0	16.7	16.6	91.8	91.8	6.7	6.6	9.3	9.5	5	5	79	82	821857	808142	<0.2	<0.2	4.7	4.3
						1.0	0.6	203	27.1		8.0		16.6		91.8		6.7		9.4		4		80				<0.2		4.3	
					Middle	3.7	0.4	221	26.9	26.9	8.0	8.0	21.1	21.1	91.9	92.0	6.5		9.5		5		81				<0.2		3.8	
						3.7	0.4	224	26.9		8.0		21.1		92.1		6.5		9.6		5		81				<0.2		4.3	
					Bottom	6.4	0.3	243	26.9	26.9	8.0	8.0	21.4	21.4	92.1	92.1	6.5	6.5	9.7		5		86				<0.2		4.1	
						6.4	0.3	254	26.9		8.0		21.4		92.1		6.5		9.7		5		87				<0.2		4.6	

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	08:44	7.0	Surface	1.0	0.5	196	27.2	27.2	7.9	7.9	15.7	15.4	91.8	91.8	6.7	6.6	9.6	9.9	4	5	78	84	822080	808812	<0.2	<0.2	3.8	4.4
						1.0	0.5	197	27.2		7.9		15.1		91.8		6.7		9.6		4		79				<0.2		4.7	
					Middle	3.5	0.2	191	26.9	26.9	8.0	8.0	20.7	20.7	91.5	91.5	6.5		10.1		4		84				<0.2		4.7	
						3.5	0.2	198	26.9		8.0		20.8		91.5		6.5		10.0		5		84				<0.2		4.3	
					Bottom	6.0	0.2	207	26.9	26.9	8.0	8.0	21.1	21.1	91.7	91.8	6.5	6.5	10.0		5		88				<0.2		4.6	
						6.0	0.2	208	26.9		8.0		21.1		91.8		6.5		10.0		6		89				<0.2		4.4	
IM10	Fine	Rough	08:38	7.6	Surface	1.0	0.4	150	27.0	27.0	8.0	8.0	17.4	17.9	90.5	90.6	6.5	6.5	10.6	14.1	6	6	76	82	822378	809792	<0.2	<0.2	4.7	4.2
						1.0	0.4	154	27.0		8.0		18.3		90.7		6.5		10.8		5		76				<0.2		4.5	
					Middle	3.8	0.3	128	26.9	26.9	8.0	8.0	22.1	22.1	91.0	91.0	6.4		13.3		6		81				<0.2		3.8	
						3.8	0.3	128	26.9		8.0		22.1		91.0		6.4		13.5		7		81				<0.2		4.9	
					Bottom	6.6	0.2	137	26.8	26.8	8.0	8.0	23.1	23.1	91.0	91.1	6.4	6.4	18.4		7		88				<0.2		3.6	
						6.6	0.2	143	26.8		8.0		23.1		91.1		6.4		18.2		7		88				<0.2		3.7	
IM11	Fine	Rough	08:28	8.0	Surface	1.0	0.2	101	26.9	26.9	8.0	8.0	20.7	20.7	91.4	91.4	6.5	6.5	11.2	16.9	6	8	76	81	822028	811458	<0.2	<0.2	3.9	4.2
						1.0	0.2	103	26.9		8.0		20.7		91.4		6.5		11.5		6		76				<0.2		4.0	
					Middle	4.0	0.1	108	26.9	26.9	8.0	8.0	22.6	22.6	91.8	91.8	6.5		19.2		8		81				<0.2		3.8	
						4.0	0.1	111	26.9		8.0		22.7		91.8		6.5		19.6		9		82				<0.2		4.3	
					Bottom	7.0	0.1	133	26.9	26.9	8.0	8.0	24.0	24.0	92.2	92.3	6.4	6.4	20.2		9		84				<0.2		4.6	
						7.0	0.1	141	26.9		8.0		24.0		92.3		6.4		19.9		8		85				<0.2		4.8	
IM12	Fine	Rough	08:20	8.1	Surface	1.0	0.2	106	26.8	26.8	8.0	8.0	22.5	22.6	93.2	93.1	6.6	6.6	11.3	13.3	5	6	76	82	821460	812055	<0.2	<0.2	3.9	4.1
						1.0	0.2	110	26.8		8.0		22.6		93.0		6.6		11.5		5		76				<0.2		3.9	
					Middle	4.1	0.2	117	26.8	26.8	8.0	8.0	23.1	23.1	92.0	91.9	6.5		13.8		6		82				<0.2		4.1	
						4.1	0.2	127	26.8		8.0		23.0		91.8		6.5		14.1		6		82				<0.2		4.4	
					Bottom	7.1	0.1	303	26.8	26.8	8.0	8.0	24.3	24.3	90.5	90.5	6.3	6.3	14.4		8		87				<0.2		4.3	
						7.1	0.1	323	26.8		8.0		24.3		90.5		6.3		14.6		8		87				<0.2		4.2	
SR2	Cloudy	Moderate	07:53	5.0	Surface	1.0	0.2	90	26.8	26.8	8.0	8.0	23.7	23.7	90.3	90.3	6.3	6.3	14.9	16.6	4	5	77	81	821443	814167	<0.2	<0.2	4.0	4.0
						1.0	0.2	90	26.8		8.0		23.7		90.2		6.3		15.0		5		78				<0.2		4.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	66	26.7	26.7	8.0	8.0	24.6	24.6	90.7	90.8	6.3	6.3	18.3		5		84				<0.2		4.0	
						4.0	0.1	72	26.7		8.0		24.6		90.9		6.3		18.0		6		84				<0.2		4.0	
SR3	Fine	Rough	08:56	8.7	Surface	1.0	0.7	193	27.2	27.2	8.0	8.0	15.1	14.9	91.9	91.9	6.7	6.5	9.5	11.5	4	4	-	-	822151	807569	-	-	-	-
						1.0	0.7	201	27.2		8.0		14.8		91.8		6.7		9.5		3		-				-		-	
					Middle	4.4	0.5	217	26.8	26.8	8.0	8.0	22.7	22.7	90.2	90.1	6.4		10.6		3		-				-		-	
						4.4	0.5	237	26.8		8.0		22.7		89.9		6.3		10.7		4		-				-		-	
					Bottom	7.7	0.4	228	26.8	26.8	8.0	8.0	24.5	24.5	89.1	89.2	6.2	6.2	14.5		4		-				-		-	
						7.7	0.4	237	26.8		8.0		24.5		89.3		6.2		14.3		4		-				-		-	
SR4A	Cloudy	Calm	07:22	9.3	Surface	1.0	0.4	252	26.7	26.7	8.0	8.0	25.1	25.1	90.2	90.2	6.3	6.3	6.2	9.6	8	8	-	-	817190	807799	-	-	-	-
						1.0	0.4	274	26.7		8.0		25.1		90.2		6.3		6.2		8		-				-		-	
					Middle	4.7	0.4	247	26.7	26.7	8.0	8.0	26.1	26.1	88.8	88.8	6.2		9.5		8		-				-		-	
						4.7	0.4	259	26.7		8.0		26.1		88.8		6.2		9.5		7		-				-		-	
					Bottom	8.3	0.3	249	26.7	26.7	8.0	8.0	26.2	26.2	88.6	88.6	6.1	6.1	13.1		8		-				-		-	
						8.3	0.3	268	26.7		8.0		26.2		88.6		6.1		13.1		8		-				-		-	
SR5A	Cloudy	Calm	07:04	3.8	Surface	1.0	0.2	284	26.7	26.7	8.0	8.0	24.1	24.1	85.4	85.4	6.0	6.0	8.1	7.4	8	10	-	-	816599	810678	-	-	-	-
						1.0	0.2	291	26.7		8.0		24.1		85.4		6.0		8.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	285	26.7	26.7	8.0	8.0	24.5	24.5	86.0	86.2	6.0	6.0	6.6		11		-				-		-	
						2.8	0.3	290	26.7		8.0		24.5		86.3		6.0		6.6		11		-				-		-	
SR6	Cloudy	Calm	06:37	4.4	Surface	1.0	0.1	241	26.7	26.7	8.0	8.0	24.9	24.9	87.7	87.7	6.1	6.1	5.4	6.3	6	8	-	-	817888	814648	-	-	-	-
						1.0	0.1	265	26.7		8.0		24.9		87.6		6.1		5.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	93	26.7	26.7	8.0	8.0	25.9	25.9	86.9	87.0	6.0	6.0	7.1		9		-				-		-	
						3.4	0.0	100	26.7		8.0		25.9		87.0		6.0		7.1		9		-				-		-	
SR7	Cloudy	Moderate	06:50	17.3	Surface	1.0	0.2	213	26.6	26.6	8.1	8.1	27.4	27.4	88.6	88.6	6.1	6.1	9.9	11.7	6	9	-	-	823662	823760	-	-	-	-
						1.0	0.2	228	26.6		8.1		27.4		88.6		6.1		9.9		7		-				-		-	
					Middle	8.7	0.2	178	26.7	26.7	8.1	8.1	27.9	27.9	87.4	87.4	6.0		11.5		9		-				-		-	
						8.7	0.2	184	26.7		8.1		27.9		87.3		6.0		11.6		10		-				-		-	
					Bottom	16.3	0.0	235	26.7	26.7	8.1	8.0	28.0	28.0	87.5	87.6	6.0	6.0	13.2		9		-				-		-	
						16.3	0.0	255	26.7		8.0		28.0		87.6		6.0		13.8		10		-				-		-	
SR8	Cloudy	Rough	08:10	5.0	Surface	1.0	-	-	26.8	26.8	8.0	8.0	23.2	23.2	92.3	92.3	6.5	6.5	13.3	12.5	6	7	-	-	820479	811660	-	-	-	-
						1.0	-	-	26.8		8.0		23.3		92.2		6.5		13.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	26.8	26.8	8.0	8.0	24.2	24.2	90.5	90.6	6.3	6.3	11.5		8		-				-		-	
						4.0	-	-	26.8		8.0		24.2		90.6		6.3		11.5		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was unsafe due to shallow water and narrow access route. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	19:52	8.2	Surface	1.0	0.4	203	27.7	27.7	8.0	8.0	19.9	19.9	95.0	95.0	6.7	6.6	3.9	8.8	5	6	81	86	815601	804271	<0.2	<0.2	2.2	2.2
						1.0	0.5	204	27.7		8.0		19.9		94.9		6.7		4.1		6		81				<0.2		2.2	
					Middle	4.1	0.5	196	27.0	27.0	8.0	8.0	22.4	22.4	92.1	92.1	6.5		5.6		6		86				<0.2		2.0	
						4.1	0.5	202	27.0		8.0		22.4		92.0		6.5		5.7		7		86				<0.2		2.2	
					Bottom	7.2	0.4	226	26.6	26.7	8.1	8.0	26.8	26.6	86.6	87.3	6.0	6.1	16.8		6		92				<0.2		2.2	
						7.2	0.4	244	26.7		8.0		26.4		87.9		6.1		16.7		7		91				<0.2		2.3	
C2	Fine	Rough	18:46	10.2	Surface	1.0	1.0	170	27.9	27.8	8.0	8.0	10.4	10.4	86.5	86.4	6.4	6.2	11.8	15.8	4	5	78	83	825693	806957	<0.2	<0.2	4.0	4.6
						1.0	1.1	171	27.7		8.0		10.5		86.3		6.4		12.3		5		79				<0.2		4.6	
					Middle	5.1	0.6	153	26.9	26.9	8.0	8.0	21.5	21.5	85.1	85.2	6.0		16.5		5		84				<0.2		4.9	
						5.1	0.6	155	26.9		8.0		21.6		85.2		6.0		17.2		5		84				<0.2		5.0	
					Bottom	9.2	0.4	140	26.9	26.9	8.0	8.0	23.0	23.0	85.3	85.4	6.0	6.0	18.6		6		87				<0.2		4.4	
						9.2	0.4	152	26.9		8.0		23.0		85.4		6.0		18.4		5		88				<0.2		4.9	
C3	Fine	Moderate	20:33	11.0	Surface	1.0	0.1	51	27.0	27.0	8.1	8.1	23.4	23.4	89.8	89.5	6.3	6.2	11.3	12.1	6	8	80	85	822132	817788	<0.2	<0.2	5.1	5.3
						1.0	0.2	51	26.9		8.1		23.4		89.2		6.2		11.4		5		81				<0.2		5.3	
					Middle	5.5	0.2	105	26.7	26.7	8.1	8.1	24.8	24.8	87.7	87.7	6.1		12.2		9		85				<0.2		5.6	
						5.5	0.2	107	26.7		8.1		24.8		87.7		6.1		12.2		9		86				<0.2		4.9	
					Bottom	10.0	0.2	79	26.7	26.7	8.1	8.1	26.1	26.1	88.1	88.2	6.1	6.1	12.7		8		89				<0.2		5.7	
						10.0	0.2	82	26.7		8.1		26.1		88.3		6.1		12.7		9		90				<0.2		5.0	
IM1	Fine	Moderate	19:33	4.4	Surface	1.0	0.1	234	27.2	27.2	8.0	8.0	25.7	25.7	90.1	90.1	6.2	6.2	7.3	9.0	10	11	87	89	817948	807126	<0.2	<0.2	1.5	1.4
						1.0	0.2	245	27.2		8.0		25.7		90.0		6.2		7.3		11		88				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	201	26.8	26.7	8.0	8.0	26.2	26.2	87.0	86.9	6.0	6.0	10.6		10		91				<0.2		1.3	
						3.4	0.1	205	26.7		8.0		26.2		86.8		6.0		10.8		11		91				<0.2		1.3	
IM2	Fine	Moderate	19:22	6.7	Surface	1.0	0.6	214	27.4	27.4	8.0	8.0	20.8	20.8	92.2	92.2	6.5	6.4	17.0	13.8	18	19	81	86	818152	806161	<0.2	<0.2	2.2	2.2
						1.0	0.6	221	27.4		8.0		20.8		92.2		6.5		17.0		17		81				<0.2		2.3	
					Middle	3.4	0.4	211	26.9	26.9	8.0	8.0	24.6	24.7	90.0	90.0	6.3		13.1		20		87				<0.2		2.4	
						3.4	0.4	213	26.9		8.0		24.7		90.0		6.3		13.0		18		86				<0.2		2.1	
					Bottom	5.7	0.3	214	27.0	26.9	8.0	8.0	25.2	25.2	90.2	90.2	6.3	6.3	11.1		19		89				<0.2		2.1	
						5.7	0.4	222	26.9		8.0		25.2		90.1		6.2		11.3		20		90				<0.2		2.2	
IM3	Fine	Moderate	19:14	6.8	Surface	1.0	0.7	227	27.5	27.5	7.9	7.9	19.1	19.1	92.1	92.1	6.5	6.5	8.2	8.4	11	11	80	85	818777	805584	<0.2	<0.2	2.8	3.0
						1.0	0.8	243	27.5		7.9		19.1		92.1		6.5		8.2		11		80				<0.2		2.9	
					Middle	3.4	0.5	216	27.0	27.0	8.0	8.0	21.1	21.1	91.2	91.2	6.5		8.2		11		86				<0.2		3.3	
						3.4	0.5	217	27.0		8.0		21.1		91.2		6.5		8.3		12		86				<0.2		3.0	
					Bottom	5.8	0.4	206	26.8	26.8	8.0	8.0	23.7	23.7	90.3	90.3	6.3	6.3	8.5		12		88				<0.2		3.0	
						5.8	0.4	221	26.8		8.0		23.8		90.2		6.3		8.9		11		89				<0.2		3.1	
IM4	Fine	Moderate	19:03	7.0	Surface	1.0	0.8	203	27.8	27.8	7.9	7.9	14.8	14.8	91.5	91.6	6.6	6.6	7.0	12.1	10	13	78	82	819695	804597	<0.2	<0.2	3.5	3.4
						1.0	0.8	217	27.8		7.9		14.9		91.6		6.6		7.2		10		78				<0.2		3.8	
					Middle	3.5	0.7	208	27.2	27.2	7.9	7.9	18.8	18.8	91.1	91.1	6.5		9.9		12		80				<0.2		3.4	
						3.5	0.7	213	27.2		7.9		18.8		91.0		6.5		9.8		13		81				<0.2		3.2	
					Bottom	6.0	0.5	204	27.0	27.0	8.0	8.0	21.8	21.8	89.5	89.5	6.3	6.3	19.2		15		87				<0.2		3.4	
						6.0	0.5	206	27.0		8.0		21.8		89.5		6.3		19.3		16		87				<0.2		3.2	
IM5	Fine	Moderate	18:54	6.5	Surface	1.0	0.9	192	27.7	27.7	7.9	7.9	13.9	13.9	91.3	91.4	6.7	6.7	3.8	4.5	5	7	78	81	820724	804837	<0.2	<0.2	3.9	3.7
						1.0	1.0	197	27.6		7.9		13.8		91.5		6.7		3.8		6		77				<0.2		3.8	
					Middle	3.3	0.5	214	27.5	27.5	7.9	7.9	16.8	16.8	92.1	92.1	6.6		3.8		7		81				<0.2		3.6	
						3.3	0.6	218	27.5		7.9		16.8		92.0		6.6		3.8		7		81				<0.2		3.6	
					Bottom	5.5	0.5	226	27.3	27.2	7.9	7.9	18.4	18.5	90.7	90.7	6.5	6.5	5.7		8		84				<0.2		3.7	
						5.5	0.6	229	27.2		7.9		18.5		90.7		6.5		5.8		9		84				<0.2		3.7	
IM6	Fine	Moderate	18:46	6.3	Surface	1.0	0.6	220	27.7	27.7	7.9	7.9	14.6	14.6	90.3	90.3	6.6	6.5	4.2	7.6	5	8	78	81	821065	805849	<0.2	<0.2	3.5	3.7
						1.0	0.6	236	27.7		7.9		14.7		90.2		6.6		4.3		6		78				<0.2		3.8	
					Middle	3.2	0.5	212	27.1	27.1	7.9	7.9	19.1	19.1	88.4	88.4	6.3		7.8		9		81				<0.2		3.7	
						3.2	0.5	212	27.1		7.9		19.2		88.3		6.3		7.8		8		82				<0.2		3.7	
					Bottom	5.3	0.4	229	27.0	27.0	7.9	7.9	20.2	20.2	88.8	88.8	6.3	6.3	10.5		8		85				<0.2		3.8	
						5.3	0.4	250	27.0		7.9		20.2		88.7		6.3		10.8		9		84				<0.2		3.4	
IM7	Fine	Moderate	18:37	7.8	Surface	1.0	0.4	238	28.0	28.0	7.8	7.8	11.9	11.9	89.5	89.5	6.6	6.4	4.4	11.1	5	7	77	82	821340	806858	<0.2	<0.2	2.6	2.7
						1.0	0.4	238	28.0		7.8		11.9		89.5		6.6		4.4		5		77				<0.2		2.7	
					Middle	3.9	0.4	260	27.1	27.1	7.9	7.9	18.8	18.8	86.9	86.9	6.2		10.8		7		80				<0.2		2.7	
						3.9	0.4	284	27.1		7.9		18.8		86.9		6.2		10.9		6		80				<0.2		2.8	
					Bottom	6.8	0.4	254	26.8	26.8	8.0	8.0	24.7	24.7	86.9	86.9	6.1	6.1	18.1		10		88				<0.2		2.7	
						6.8	0.4	268	26.8		8.0		24.7		86.9		6.1		18.1		11		88				<0.2		2.6	
IM8	Fine	Rough	19:08	6.5	Surface	1.0	0.4	179	27.7	27.6	7.9	7.9	13.7	13.2	86.6	86.5	6.3	6.3	10.5	12.4	5	6	78	82	821808	808131	<0.2	<0.2	4.8	5.0
						1.0	0.5	181	27.5		7.9		12.7		86.4		6.4		10.8		6		77				<0.2		5.3	
					Middle	3.3	0.3	205	27.2	27.2	7.9	7.9	18.0	18.0	86.1	86.1	6.2		12.3		4		82				<0.2		4.8	
						3.3	0.3	210	27.2		7.9		18.0		86.1		6.2		12.4		6		83				<0.2		4.7	
					Bottom	5.5	0.2	247	27.2	27.2	8.0	8.0	18.2	18.2	87.0	87.1	6.2	6.2	14.3		6		85				<0.2		5.1	
						5.5	0.2	255	27.2		8.0		18.2		87.1		6.2		14.2		7		86				<0.2		5.0	

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	19:16	6.7	Surface	1.0	0.5	164	27.7	27.7	7.9	7.9	13.5	13.5	87.2	87.1	6.4	6.3	12.0	15.8	5	5	77	82	822111	808817	<0.2	<0.2	5.0	5.4
						1.0	0.5	167	27.6		7.9		13.6		87.0		6.4		12.5		4		76				<0.2		5.0	
					Middle	3.4	0.3	143	27.2	27.2	7.9	7.9	18.5	18.5	85.9	85.9	6.2		15.7		5		81				<0.2		5.5	
						3.4	0.3	154	27.2		7.9		18.5		85.9		6.2		16.2		5		82				<0.2		5.5	
					Bottom	5.7	0.1	132	27.2	27.2	8.0	8.0	19.0	19.0	87.0	87.1	6.2	6.2	19.2		6		87				<0.2		5.7	
						5.7	0.1	134	27.2		8.0		19.0		87.1		6.2		19.0		5		87				<0.2		5.7	
IM10	Fine	Rough	19:24	6.2	Surface	1.0	0.6	149	27.7	27.7	8.0	8.0	13.8	13.9	88.2	88.1	6.4	6.3	9.5	10.1	4	5	77	83	822379	809793	<0.2	<0.2	5.1	5.4
						1.0	0.7	151	27.6		8.0		14.0		88.0		6.4		9.6		4		78				<0.2		5.2	
					Middle	3.1	0.5	132	27.2	27.2	8.0	8.0	19.9	19.9	87.3	87.3	6.2		10.7		4		83				<0.2		5.5	
						3.1	0.5	134	27.2		8.0		19.9		87.2		6.2		10.7		4		84				<0.2		5.5	
					Bottom	5.2	0.4	113	27.2	27.2	8.0	8.0	20.2	20.2	88.1	88.2	6.3	6.3	10.1		5		88				<0.2		5.5	
						5.2	0.4	114	27.2		8.0		20.2		88.2		6.3		9.9		6		89				<0.2		5.4	
IM11	Fine	Rough	19:35	6.1	Surface	1.0	0.5	123	27.5	27.5	8.0	8.0	17.8	17.8	88.9	88.9	6.4	6.3	10.6	12.1	4	4	76	84	822059	811433	<0.2	<0.2	4.8	5.2
						1.0	0.6	130	27.5		8.0		17.7		88.8		6.4		10.7		4		77				<0.2		5.5	
					Middle	3.1	0.5	121	27.1	27.1	8.0	8.0	20.7	20.7	88.0	88.0	6.2		12.8		4		86				<0.2		5.5	
						3.1	0.5	126	27.1		8.0		20.7		88.0		6.2		12.4		4		85				<0.2		4.9	
					Bottom	5.1	0.3	100	27.0	27.0	8.0	8.0	21.0	21.0	88.2	88.2	6.3	6.3	13.0		4		89				<0.2		5.1	
						5.1	0.3	106	27.0		8.0		21.0		88.1		6.2		13.1		4		89				<0.2		5.3	
IM12	Fine	Rough	19:44	9.6	Surface	1.0	0.6	106	27.8	27.7	8.0	8.0	16.1	16.1	90.5	90.5	6.5	6.4	12.2	15.6	4	4	76	80	821471	812039	<0.2	<0.2	5.4	5.4
						1.0	0.6	114	27.7		8.0		16.2		90.4		6.5		12.4		4		76				<0.2		5.3	
					Middle	4.8	0.4	95	27.0	27.0	8.0	8.0	20.4	20.4	88.8	88.8	6.3		16.8		4		79				<0.2		5.8	
						4.8	0.5	95	27.0		8.0		20.3		88.8		6.3		17.5		4		79				<0.2		5.5	
					Bottom	8.6	0.3	85	26.8	26.8	8.1	8.1	24.0	24.0	88.3	88.2	6.2	6.2	17.4		4		85				<0.2		5.1	
						8.6	0.3	92	26.8		8.1		24.0		88.1		6.2		17.4		4		85				<0.2		5.5	
SR2	Fine	Moderate	20:11	4.0	Surface	1.0	0.4	86	27.4	27.4	8.0	8.0	18.2	18.2	90.0	90.0	6.4	6.4	10.9	10.0	6	5	75	79	821483	814143	<0.2	<0.2	5.0	5.3
						1.0	0.5	93	27.4		8.0		18.2		89.9		6.4		11.0		4		75				<0.2		5.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.3	71	27.2	27.2	8.0	8.0	20.5	20.4	89.2	89.3	6.3	6.3	9.1		5		83				<0.2		5.7	
						3.0	0.3	71	27.2		8.0		20.3		89.3		6.3		9.1		5		84				<0.2		5.5	
SR3	Fine	Rough	19:02	8.3	Surface	1.0	0.3	175	27.7	27.6	8.0	8.0	12.4	12.4	87.2	87.3	6.4	6.3	10.9	12.9	5	5	-	-	822173	807599	-	-	-	-
						1.0	0.3	177	27.6		8.0		12.4		87.3		6.4		11.0		6		-				-		-	
					Middle	4.2	0.1	342	27.0	27.0	8.0	8.0	21.4	21.4	86.6	86.6	6.1		13.1		6		-				-		-	
						4.2	0.1	315	27.0		8.0		21.4		86.6		6.1		13.3		5		-				-		-	
					Bottom	7.3	0.1	12	27.0	27.0	8.0	8.0	21.7	21.7	86.6	86.7	6.1	6.1	15.4		5		-				-		-	
						7.3	0.1	13	27.0		8.0		21.7		86.7		6.1		13.9		5		-				-		-	
SR4A	Fine	Calm	20:16	7.8	Surface	1.0	0.2	83	27.4	27.4	8.0	8.0	24.3	24.3	90.9	90.9	6.3	6.3	6.8	7.7	11	11	-	-	817214	807795	-	-	-	-
						1.0	0.2	84	27.4		8.0		24.3		90.9		6.3		6.8		11		-				-		-	
					Middle	3.9	0.2	58	27.3	27.3	8.0	8.0	24.4	24.4	90.2	90.2	6.2		7.4		10		-				-		-	
						3.9	0.2	58	27.3		8.0		24.4		90.1		6.2		7.3		11		-				-		-	
					Bottom	6.8	0.2	93	26.8	26.8	8.0	8.0	25.6	25.6	88.0	88.1	6.1	6.1	9.1		12		-				-		-	
						6.8	0.2	102	26.8		8.0		25.6		88.1		6.1		9.0		12		-				-		-	
SR5A	Fine	Calm	20:36	3.4	Surface	1.0	0.0	307	27.6	27.6	8.0	8.0	24.8	24.8	93.0	93.0	6.4	6.4	9.4	13.5	13	28	-	-	816571	810711	-	-	-	-
						1.0	0.0	335	27.6		8.0		24.8		93.0		6.4		9.5		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.0	313	27.5	27.5	8.0	8.0	24.8	24.8	92.9	92.9	6.4	6.4	17.3		41		-				-		-	
						2.4	0.0	333	27.5		8.0		24.8		92.9		6.4		17.7		42		-				-		-	
SR6	Fine	Calm	21:00	3.9	Surface	1.0	0.0	119	27.9	27.9	8.0	8.0	21.9	21.9	94.1	94.1	6.5	6.5	4.9	6.5	6	7	-	-	817928	814671	-	-	-	-
						1.0	0.0	122	27.9		8.0		21.9		94.1		6.5		4.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	74	27.5	27.5	8.0	8.0	23.3	23.4	89.3	89.3	6.2	6.2	8.0		7		-				-		-	
						2.9	0.1	77	27.5		8.0		23.5		89.2		6.2		8.2		7		-				-		-	
SR7	Fine	Moderate	20:59	18.0	Surface	1.0	0.3	71	27.2	27.2	8.1	8.1	24.6	24.6	92.1	92.0	6.4	6.3	9.6	10.8	6	6	-	-	823625	823749	-	-	-	-
						1.0	0.3	77	27.2		8.1		24.7		91.8		6.4		9.8		5		-				-		-	
					Middle	9.0	0.3	75	26.8	26.8	8.1	8.1	25.6	25.6	89.3	89.3	6.2		11.3		6		-				-		-	
						9.0	0.3	77	26.8		8.1		25.6		89.3		6.2		11.3		6		-				-		-	
					Bottom	17.0	0.2	44	26.7	26.7	8.1	8.1	26.6	26.5	88.5	88.9	6.1	6.2	11.3		7		-				-		-	
						17.0	0.2	47	26.7		8.1		26.4		89.2		6.2		11.3		6		-				-		-	
SR8	Fine	Moderate	19:57	5.0	Surface	1.0	-	-	27.7	27.7	8.0	8.0	17.0	17.0	92.2	92.2	6.6	6.6	10.4	10.3	5	6	-	-	820508	811643	-	-	-	-
						1.0	-	-	27.6		8.0		17.0		92.1		6.6		10.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	27.2	27.2	8.0	8.0	19.9	19.8	90.8	90.8	6.5	6.5	10.1		6		-				-		-	
						4.0	-	-	27.2		8.0		19.8		90.7		6.5		10.0		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was unsafe due to shallow water and narrow access route. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:22	8.9	Surface	1.0	0.4	225	28.6	28.6	8.0	8.0	12.0	12.0	90.3	90.3	6.5	6.5	5.2	8.1	3	4	86	89	815639	804274	<0.2	<0.2	3.6	4.0
						1.0	0.4	234	28.6		8.0		12.0		90.2		6.5		5.3		4		85				<0.2		3.9	
					Middle	4.5	0.4	230	28.4	28.4	8.0	8.0	13.6	13.6	89.0	89.0	6.4		6.2		4		89				<0.2		3.8	
						4.5	0.5	250	28.4		8.0		13.6		88.9		6.4		6.2		4		89				<0.2		4.4	
					Bottom	7.9	0.4	229	28.3	28.3	8.0	8.0	16.4	16.0	88.6	88.6	6.3	6.3	12.7		4		93				<0.2		4.1	
						7.9	0.4	234	28.3		8.0		15.6		88.6		6.3		12.7		4		93				<0.2		4.2	
C2	Cloudy	Moderate	11:44	11.8	Surface	1.0	1.1	165	28.5	28.5	7.8	7.8	8.5	8.5	83.0	83.1	6.2	6.0	10.8	10.6	4	6	86	90	825711	806963	<0.2	<0.2	4.3	4.4
						1.0	1.2	176	28.5		7.8		8.5		83.1		6.2		10.7		5		87				<0.2		4.5	
					Middle	5.9	0.7	164	27.2	27.2	8.0	8.0	24.5	24.5	83.5	83.5	5.8		9.9		7		89				<0.2		4.5	
						5.9	0.8	177	27.2		8.0		24.5		83.4		5.8		10.0		6		90				<0.2		4.2	
					Bottom	10.8	0.3	162	27.4	27.4	8.0	8.0	25.7	25.7	84.5	84.5	5.8	5.8	11.1		6		94				<0.2		4.3	
						10.8	0.3	168	27.4		8.0		25.7		84.5		5.8		11.1		7		95				<0.2		4.3	
C3	Fine	Moderate	09:41	12.8	Surface	1.0	0.2	94	28.2	28.2	8.0	8.0	17.6	17.6	91.5	91.5	6.5	6.2	7.2	8.9	2	3	86	89	822097	817808	<0.2	<0.2	4.1	4.3
						1.0	0.2	95	28.2		8.0		17.6		91.5		6.5		7.3		2		86				<0.2		3.8	
					Middle	6.4	0.2	50	27.4	27.4	8.0	8.0	23.6	23.6	84.1	84.1	5.8		8.9		3		89				<0.2		4.2	
						6.4	0.2	51	27.4		8.0		23.6		84.1		5.8		9.0		3		90				<0.2		3.9	
					Bottom	11.8	0.3	109	27.1	27.1	8.0	8.0	27.2	27.2	85.4	85.5	5.8	5.8	10.5		4		92				<0.2		5.6	
						11.8	0.3	113	27.1		8.0		27.2		85.5		5.8		10.4		4		93				<0.2		4.1	
IM1	Cloudy	Moderate	10:41	5.4	Surface	1.0	0.1	189	28.6	28.6	8.0	8.0	10.0	10.0	88.6	88.6	6.5	6.5	4.8	4.4	5	4	85	87	817954	807125	<0.2	<0.2	4.4	4.7
						1.0	0.1	192	28.6		8.0		10.0		88.5		6.5		4.7		4		85				<0.2		4.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	192	27.8	27.8	7.9	7.9	19.5	19.5	87.4	87.4	6.2	6.2	4.0		4		88				<0.2		4.4	
						4.4	0.2	210	27.8		7.9		19.5		87.4		6.2		4.0		4		88				<0.2		5.2	
IM2	Cloudy	Moderate	10:47	7.9	Surface	1.0	0.4	237	28.5	28.5	7.9	7.9	11.7	11.7	87.3	87.3	6.4	6.2	5.3	6.2	4	5	86	90	818143	806150	<0.2	<0.2	4.4	4.1
						1.0	0.4	238	28.5		7.9		11.7		87.3		6.4		5.3		4		86				<0.2		4.0	
					Middle	4.0	0.2	225	27.7	27.7	8.0	8.0	20.2	20.2	84.9	84.9	6.0		5.6		5		89				<0.2		4.4	
						4.0	0.2	226	27.7		8.0		20.2		84.9		6.0		5.7		4		91				<0.2		4.3	
					Bottom	6.9	0.2	177	27.2	27.2	7.9	7.9	24.1	24.1	85.8	85.9	6.0	6.0	7.5		5		93				<0.2		3.8	
						6.9	0.2	191	27.2		7.9		24.1		86.0		6.0		7.5		5		94				<0.2		3.8	
IM3	Cloudy	Moderate	10:52	8.2	Surface	1.0	0.6	187	29.3	29.3	8.0	8.0	6.0	6.0	88.4	88.4	6.5	6.3	5.3	4.5	5	6	82	86	818769	805569	<0.2	<0.2	4.0	4.0
						1.0	0.6	189	29.3		8.0		6.0		88.3		6.5		5.3		6		82				<0.2		3.4	
					Middle	4.1	0.4	192	27.8	27.8	8.0	8.0	18.6	18.7	84.8	84.7	6.0		4.6		6		85				<0.2		3.9	
						4.1	0.5	196	27.8		8.0		18.8		84.6		6.0		4.6		6		85				<0.2		3.6	
					Bottom	7.2	0.2	183	27.6	27.6	7.9	7.9	22.5	22.5	87.0	87.1	6.1	6.1	3.7		6		90				<0.2		5.1	
						7.2	0.2	197	27.6		7.9		22.5		87.2		6.1		3.7		6		90				<0.2		3.8	
IM4	Cloudy	Moderate	11:00	8.3	Surface	1.0	0.6	199	28.3	28.3	7.9	7.9	12.7	12.6	86.4	86.4	6.3	6.3	4.5	4.1	4	4	83	86	819751	804594	<0.2	<0.2	3.6	3.7
						1.0	0.7	204	28.3		7.9		12.5		86.4		6.3		4.4		4		83				<0.2		3.7	
					Middle	4.2	0.6	175	28.1	28.1	7.9	7.9	15.7	15.7	86.4	86.4	6.2		3.9		4		86				<0.2		3.7	
						4.2	0.6	181	28.1		7.9		15.7		86.4		6.2		3.9		4		86				<0.2		3.8	
					Bottom	7.3	0.4	170	28.1	28.1	7.9	7.9	16.1	16.1	87.6	87.6	6.3	6.3	3.9		5		89				<0.2		3.8	
						7.3	0.5	171	28.1		7.9		16.1		87.6		6.3		3.9		5		91				<0.2		3.7	
IM5	Cloudy	Moderate	11:12	7.5	Surface	1.0	0.8	185	28.4	28.3	7.9	7.9	9.2	9.2	85.9	85.9	6.4	6.3	4.8	4.1	4	6	82	86	820713	804839	<0.2	<0.2	3.4	3.7
						1.0	0.8	192	28.3		7.9		9.2		85.9		6.4		4.7		5		83				<0.2		3.6	
					Middle	3.8	0.6	200	28.1	28.1	7.9	7.9	15.6	15.6	86.5	86.5	6.2		3.8		6		86				<0.2		3.9	
						3.8	0.7	210	28.1		7.9		15.6		86.5		6.2		3.8		6		87				<0.2		3.9	
					Bottom	6.5	0.5	209	28.0	28.0	7.9	7.9	16.4	16.5	88.0	88.1	6.3	6.3	3.7		6		89				<0.2		3.9	
						6.5	0.5	221	28.0		7.9		16.5		88.1		6.3		3.7		6		90				<0.2		3.4	
IM6	Cloudy	Moderate	11:21	7.4	Surface	1.0	0.4	249	28.4	28.3	8.0	8.0	11.7	11.7	85.0	85.0	6.2	6.1	4.6	4.9	5	5	84	86	821069	805826	<0.2	<0.2	4.0	3.7
						1.0	0.5	255	28.3		8.0		11.7		85.0		6.2		4.6		4		85				<0.2		3.3	
					Middle	3.7	0.4	275	27.6	27.6	8.0	8.0	17.6	17.6	83.3	83.3	6.0		4.7		4		85				<0.2		3.8	
						3.7	0.5	292	27.6		8.0		17.6		83.2		6.0		4.7		5		87				<0.2		3.7	
					Bottom	6.4	0.2	260	27.2	27.2	7.9	7.9	24.0	23.9	84.5	84.6	5.9	5.9	5.4		4		88				<0.2		3.6	
						6.4	0.2	282	27.2		7.9		23.9		84.7		5.9		5.3		5		89				<0.2		3.9	
IM7	Cloudy	Moderate	11:30	7.1	Surface	1.0	0.6	231	28.3	28.3	7.9	7.9	8.9	9.0	81.8	81.8	6.1	6.0	5.3	6.7	5	5	84	89	821357	806818	<0.2	<0.2	4.0	4.0
						1.0	0.6	231	28.3		7.9		9.1		81.7		6.1		5.2		5		85				<0.2		4.0	
					Middle	3.6	0.6	226	27.6	27.6	7.9	7.9	19.1	19.1	81.8	81.9	5.8		6.7		5		90				<0.2		3.9	
						3.6	0.6	236	27.6		7.9		19.1		82.0		5.8		6.6		5		91				<0.2		3.9	
					Bottom	6.1	0.2	238	27.2	27.2	8.0	8.0	23.7	23.7	83.5	83.5	5.8	5.8	8.3		6		92				<0.2		4.0	
						6.1	0.2	255	27.2		8.0		23.7		83.5		5.8		8.3		4		93				<0.2		3.9	
IM8	Cloudy	Moderate	11:20	9.8	Surface	1.0	0.4	185	28.7	28.7	7.9	7.9	8.9	8.9	86.0	86.0	6.3	6.2	10.0	11.0	5	5	86	90	821812	808129	<0.2	<0.2	3.6	3.8
						1.0	0.5	195	28.7		7.9		9.0		86.0		6.3		10.0		4		87				<0.2		3.7	
					Middle	4.9	0.2	197	27.9	27.8	7.9	7.9	16.0	16.0	84.8	84.8	6.1		10.3		6		91				<0.2		3.8	
						4.9	0.2	216	27.8		7.9		16.0		84.7		6.1		10.4		5		91				<0.2		4.0	
					Bottom	8.8	0.2	251	27.2	27.2	7.9	7.9	24.3	24.3	86.3	86.5	6.0	6.0	12.4		5		92				<0.2		4.1	
						8.8	0.2	270	27.2		7.9		24.2		86.6		6.0		12.6		6		94				<0.2		3.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:15	7.0	Surface	1.0	0.4	152	28.5	28.5	7.9	7.9	9.2	9.2	87.0	87.0	6.4	6.3	9.5	8.7	4	5	82	86	822074	808804	<0.2	<0.2	3.8	3.8
						1.0	0.4	152	28.5		7.9		9.3		87.0		6.4		9.4		4		82				<0.2		3.8	
					Middle	3.5	0.2	126	28.1	28.1	7.9	7.9	16.2	16.2	86.4	86.4	6.2		8.4		5		86				<0.2		3.8	
						3.5	0.2	128	28.1		7.9		16.2		86.4		6.2		8.4		5		87				<0.2		3.7	
					Bottom	6.0	0.1	78	27.9	27.9	7.9	7.9	17.3	17.4	86.4	86.4	6.2	6.2	8.3		6		89				<0.2		3.8	
						6.0	0.1	83	27.9		7.9		17.4		86.3		6.1		8.3		7		90				<0.2		3.9	
IM10	Cloudy	Moderate	10:56	6.5	Surface	1.0	0.4	122	28.2	28.2	7.9	7.9	14.6	14.6	86.1	86.2	6.2	6.1	9.3	11.8	3	4	88	91	822367	809790	<0.2	<0.2	4.1	3.9
						1.0	0.4	126	28.2		7.9		14.6		86.2		6.2		9.3		4		88				<0.2		3.5	
					Middle	3.3	0.4	92	27.9	27.9	7.9	7.9	17.8	17.8	84.1	84.1	6.0		10.9		4		91				<0.2		3.9	
						3.3	0.4	96	27.9		7.9		17.8		84.0		6.0		11.0		4		92				<0.2		4.2	
					Bottom	5.5	0.2	112	27.2	27.2	7.9	7.9	23.4	23.4	82.5	82.6	5.7	5.8	15.1		5		94				<0.2		3.9	
						5.5	0.3	121	27.2		7.9		23.5		82.6		5.8		15.3		5		95				<0.2		3.7	
IM11	Cloudy	Moderate	10:38	6.7	Surface	1.0	0.6	103	28.4	28.4	7.9	7.9	12.2	12.2	87.0	87.0	6.3	6.2	9.8	10.2	3	4	86	90	822035	811442	<0.2	<0.2	4.0	3.9
						1.0	0.6	108	28.4		7.9		12.2		87.0		6.3		9.8		4		87				<0.2		3.9	
					Middle	3.4	0.5	102	27.7	27.7	7.9	7.9	20.5	20.5	85.4	85.4	6.0		10.0		4		89				<0.2		3.7	
						3.4	0.5	106	27.7		7.9		20.5		85.4		6.0		10.0		3		91				<0.2		3.8	
					Bottom	5.7	0.3	107	27.3	27.3	7.9	7.9	24.1	24.1	87.5	87.7	6.1	6.1	10.8		4		94				<0.2		3.8	
						5.7	0.3	116	27.3		7.9		24.1		87.8		6.1		10.8		4		95				<0.2		3.9	
IM12	Cloudy	Moderate	10:28	7.8	Surface	1.0	0.6	90	28.5	28.5	7.9	7.9	11.7	11.7	87.7	87.7	6.4	6.2	10.3	12.5	3	4	86	90	821483	812018	<0.2	<0.2	4.2	3.9
						1.0	0.6	98	28.5		7.9		11.7		87.7		6.4		10.3		4		87				<0.2		4.0	
					Middle	3.9	0.4	86	27.8	27.8	8.0	8.0	17.3	17.3	84.6	84.6	6.0		12.2		3		89				<0.2		3.8	
						3.9	0.4	89	27.8		8.0		17.3		84.5		6.0		12.3		4		90				<0.2		3.9	
					Bottom	6.8	0.2	112	27.2	27.2	7.9	7.9	23.7	23.7	85.2	85.3	5.9	5.9	14.8		4		94				<0.2		3.7	
						6.8	0.2	122	27.2		7.9		23.7		85.3		5.9		14.8		5		95				<0.2		4.0	
SR2	Fine	Moderate	10:05	4.2	Surface	1.0	0.3	77	28.2	28.2	8.0	8.0	14.7	14.8	90.1	90.1	6.5	6.5	8.4	8.2	4	4	84	87	821460	814148	<0.2	<0.2	3.5	3.6
						1.0	0.3	83	28.2		8.0		14.9		90.1		6.5		8.4		4		84				<0.2		3.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	73	27.8	27.8	7.9	7.9	19.5	19.5	92.8	93.0	6.6	6.6	8.0		4		90				<0.2		3.6	
						3.2	0.2	74	27.8		7.9		19.5		93.1		6.6		8.0		4		91				<0.2		3.8	
SR3	Cloudy	Moderate	11:27	12.6	Surface	1.0	0.7	176	28.4	28.4	7.9	7.9	12.2	12.2	84.4	84.4	6.1	5.9	10.0	11.6	5	5	-	-	822152	807553	-	-	-	-
						1.0	0.7	187	28.4		7.9		12.2		84.3		6.1		10.1		5		-				-		-	
					Middle	6.3	0.6	178	27.1	27.1	8.0	8.0	24.0	24.0	81.4	81.5	5.7		11.1		5		-				-		-	
						6.3	0.7	195	27.1		8.0		24.0		81.5		5.7		11.2		5		-				-		-	
					Bottom	11.6	0.3	182	27.1	27.1	8.0	8.0	24.6	24.6	83.8	83.9	5.8	5.8	13.6		6		-				-		-	
						11.6	0.3	186	27.1		8.0		24.6		84.0		5.8		13.8		5		-				-		-	
SR4A	Fine	Moderate	10:03	8.6	Surface	1.0	0.1	308	28.4	28.4	8.0	8.0	14.8	14.8	87.6	87.6	6.3	6.2	4.2	6.4	4	5	-	-	817214	807811	-	-	-	-
						1.0	0.1	318	28.4		8.0		14.8		87.5		6.3		4.2		4		-				-		-	
					Middle	4.3	0.1	99	27.7	27.7	7.9	7.9	19.1	19.1	86.2	86.3	6.1		6.8		4		-				-		-	
						4.3	0.1	104	27.7		7.9		19.1		86.3		6.1		6.8		5		-				-		-	
					Bottom	7.6	0.1	64	27.7	27.7	7.9	7.9	19.3	19.3	89.1	89.3	6.3	6.3	8.1		6		-				-		-	
						7.6	0.1	65	27.7		7.9		19.3		89.4		6.3		8.1		6		-				-		-	
SR5A	Fine	Moderate	09:36	5.2	Surface	1.0	0.0	90	28.2	28.2	8.0	8.0	17.6	17.6	93.9	93.9	6.6	6.7	5.8	6.3	2	3	-	-	816581	810723	-	-	-	-
						1.0	0.0	92	28.2		8.0		17.6		93.9		6.7		5.6		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	349	28.1	28.1	8.0	8.0	19.5	19.5	95.0	95.1	6.7	6.7	6.8		4		-				-		-	
						4.2	0.1	349	28.1		8.0		19.5		95.1		6.7		6.9		4		-				-		-	
SR6	Fine	Calm	09:06	4.4	Surface	1.0	0.0	331	28.1	28.1	7.9	7.9	18.5	18.5	95.1	95.1	6.7	6.7	5.6	6.4	4	4	-	-	817882	814661	-	-	-	-
						1.0	0.0	353	28.1		7.9		18.5		95.1		6.7		5.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	262	28.1	28.1	7.8	7.8	18.7	18.7	96.1	96.2	6.8	6.8	7.3		4		-				-		-	
						3.4	0.1	278	28.1		7.8		18.7		96.2		6.8		7.4		4		-				-		-	
SR7	Fine	Moderate	09:04	16.3	Surface	1.0	0.3	80	28.1	28.1	7.9	7.9	18.8	18.8	91.6	91.6	6.5	6.2	7.2	8.0	2	2	-	-	823647	823727	-	-	-	-
						1.0	0.4	81	28.1		7.9		18.8		91.6		6.5		7.2		2		-				-		-	
					Middle	8.2	0.1	77	27.5	27.5	8.0	8.0	24.5	24.5	84.4	84.4	5.8		8.0		2		-				-		-	
						8.2	0.1	77	27.5		8.0		24.5		84.4		5.8		8.1		2		-				-		-	
					Bottom	15.3	0.2	45	27.2	27.2	8.0	8.0	28.2	28.2	84.0	84.0	5.7	5.7	8.8		3		-				-		-	
						15.3	0.3	45	27.2		8.0		28.2		84.0		5.7		8.7		3		-				-		-	
SR8	Cloudy	Calm	10:15	4.8	Surface	1.0	-	-	28.5	28.5	8.0	8.0	13.1	13.1	88.7	88.7	6.4	6.4	11.6	12.3	4	6	-	-	820526	811658	-	-	-	-
						1.0	-	-	28.5		8.0		13.1		88.7		6.4		11.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.3	28.3	8.0	8.0	14.9	14.9	87.3	87.3	6.3	6.3	12.9		7		-				-		-	
						3.8	-	-	28.3		8.0		14.8		87.3		6.3		12.9		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	17:20	8.8	Surface	1.0	0.2	90	28.6	28.6	8.0	8.0	17.5	17.5	93.6	93.5	6.6	6.3	8.3	11.4	8	8	87	91	815631	804229	<0.2	<0.2	3.9	3.9
						1.0	0.2	94	28.6		8.0		17.5		93.4		6.6		8.3		7		88				<0.2		4.1	
					Middle	4.4	0.2	77	27.7	27.7	8.0	8.0	21.7	21.7	85.9	85.9	6.0		13.2		8		91				<0.2		4.4	
						4.4	0.2	82	27.7		8.0		21.7		85.8		6.0		13.3		8		92				<0.2		3.9	
					Bottom	7.8	0.2	53	27.3	27.3	8.0	8.0	25.4	25.4	86.2	86.3	5.9	5.9	12.7		8		94				<0.2		3.3	
						7.8	0.2	56	27.3		8.0		25.4		86.3		5.9		12.7		9		94				<0.2		3.9	
C2	Cloudy	Moderate	15:57	11.2	Surface	1.0	0.9	174	28.9	28.9	7.9	7.9	8.2	8.2	84.3	84.3	6.2	6.0	11.1	10.6	9	11	86	90	825675	806928	<0.2	<0.2	3.4	3.7
						1.0	0.9	190	28.9		7.9		8.2		84.3		6.2		11.0		10		87				<0.2		3.5	
					Middle	5.6	0.3	189	27.2	27.2	8.0	8.0	22.6	22.6	82.1	82.1	5.7		10.1		11		90				<0.2		4.1	
						5.6	0.3	193	27.2		8.0		22.5		82.1		5.8		10.1		10		91				<0.2		3.7	
					Bottom	10.2	0.0	9	27.1	27.1	8.0	8.0	25.0	25.0	83.0	83.0	5.7	5.7	10.5		11		93				<0.2		3.4	
						10.2	0.0	9	27.1		8.0		25.0		83.0		5.7		10.5		12		93				<0.2		3.9	
C3	Cloudy	Moderate	17:56	10.7	Surface	1.0	0.3	245	28.6	28.6	8.0	8.0	17.5	17.5	92.4	92.3	6.5	6.2	7.8	10.6	4	4	83	87	822099	817806	<0.2	<0.2	4.0	4.0
						1.0	0.3	263	28.6		8.0		17.5		92.2		6.5		7.8		4		83				<0.2		3.7	
					Middle	5.4	0.4	273	27.5	27.5	8.0	8.0	22.4	22.4	83.6	83.6	5.8		8.9		4		86				<0.2		4.0	
						5.4	0.5	281	27.5		8.0		22.4		83.5		5.8		9.0		5		87				<0.2		4.2	
					Bottom	9.7	0.2	256	27.3	27.3	8.0	8.0	25.8	25.8	84.0	84.2	5.8	5.8	15.0		5		89				<0.2		3.8	
						9.7	0.2	280	27.3		8.0		25.8		84.3		5.8		14.9		4		91				<0.2		4.2	
IM1	Cloudy	Calm	16:59	5.3	Surface	1.0	0.2	246	28.9	28.9	8.0	8.0	9.2	9.2	88.9	88.9	6.5	6.5	5.1	6.7	8	8	83	84	817978	807125	<0.2	<0.2	3.8	3.7
						1.0	0.2	260	28.9		8.0		9.2		88.8		6.5		5.0		7		82				<0.2		3.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	73	27.9	27.9	7.9	7.9	18.0	18.2	88.5	88.6	6.3	6.3	8.4		8		85				<0.2		3.4	
						4.3	0.0	75	27.9		7.9		18.3		88.7		6.3		8.4		8		86				<0.2		3.8	
IM2	Cloudy	Moderate	16:51	7.4	Surface	1.0	0.1	322	29.2	29.2	8.0	8.0	9.4	9.4	86.5	86.4	6.3	6.0	6.1	8.0	7	7	86	87	818136	806169	<0.2	<0.2	3.6	3.8
						1.0	0.2	353	29.2		8.0		9.5		86.3		6.3		6.1		7		87				<0.2		3.8	
					Middle	3.7	0.1	297	27.7	27.7	7.9	7.9	21.3	21.2	80.9	80.9	5.7		7.3		7		83				<0.2		4.0	
						3.7	0.1	321	27.7		7.9		21.1		80.8		5.7		7.4		6		84				<0.2		3.8	
					Bottom	6.4	0.1	340	27.1	27.1	8.0	7.9	24.3	24.3	80.4	80.5	5.6	5.6	10.4		8		90				<0.2		4.0	
						6.4	0.1	313	27.1		7.9		24.3		80.5		5.6		10.4		8		91				<0.2		3.6	
IM3	Cloudy	Moderate	16:45	7.3	Surface	1.0	0.3	241	29.3	29.3	7.9	7.9	9.5	9.5	88.4	88.3	6.4	6.2	6.2	10.0	7	7	83	87	818794	805602	<0.2	<0.2	4.0	3.6
						1.0	0.4	250	29.3		7.9		9.4		88.2		6.4		6.2		6		84				<0.2		3.7	
					Middle	3.7	0.1	317	28.3	28.3	7.9	7.9	14.2	14.2	83.0	83.0	6.0		10.3		8		87				<0.2		3.6	
						3.7	0.1	339	28.3		7.9		14.2		82.9		6.0		10.4		7		87				<0.2		3.5	
					Bottom	6.3	0.3	34	27.4	27.4	7.9	7.9	22.7	22.7	82.5	82.6	5.8	5.8	13.4		9		89				<0.2		3.5	
						6.3	0.4	35	27.4		7.9		22.8		82.7		5.8		13.2		8		89				<0.2		3.5	
IM4	Cloudy	Moderate	16:36	8.1	Surface	1.0	0.3	239	29.3	29.3	7.9	7.9	8.4	8.4	88.3	88.3	6.5	6.3	10.9	11.9	7	7	83	88	819705	804627	<0.2	<0.2	3.5	3.7
						1.0	0.3	258	29.3		7.9		8.4		88.3		6.4		10.9		7		84				<0.2		3.6	
					Middle	4.1	0.1	255	28.4	28.4	7.9	7.9	13.3	13.3	84.5	84.5	6.1		11.1		7		86				<0.2		3.6	
						4.1	0.1	267	28.4		7.9		13.3		84.5		6.1		11.1		8		87				<0.2		4.0	
					Bottom	7.1	0.0	65	27.8	27.8	7.9	7.9	19.0	19.0	84.6	84.7	6.0	6.0	13.6		7		94				<0.2		3.5	
						7.1	0.0	67	27.8		7.9		19.0		84.7		6.0		13.7		7		94				<0.2		4.2	
IM5	Cloudy	Moderate	16:26	7.6	Surface	1.0	0.6	262	29.2	29.2	7.8	7.8	8.1	8.1	89.0	89.0	6.5	6.4	12.2	10.9	8	8	85	89	820731	804868	<0.2	<0.2	3.8	3.8
						1.0	0.7	284	29.3		7.8		8.1		89.0		6.5		12.2		8		85				<0.2		3.6	
					Middle	3.8	0.6	250	28.8	28.8	7.9	7.9	9.9	9.9	86.1	86.1	6.3		11.1		7		89				<0.2		4.0	
						3.8	0.6	260	28.8		7.9		9.9		86.1		6.3		11.1		8		90				<0.2		3.6	
					Bottom	6.6	0.4	259	28.0	28.0	7.9	7.9	15.3	15.4	84.4	84.5	6.1	6.1	9.4		8		92				<0.2		3.8	
						6.6	0.4	284	28.0		7.9		15.5		84.5		6.1		9.4		8		93				<0.2		3.9	
IM6	Cloudy	Moderate	16:19	7.5	Surface	1.0	0.7	285	29.1	29.1	7.9	7.9	7.3	7.3	87.1	87.1	6.4	6.2	8.8	9.4	6	7	82	86	821049	805853	<0.2	<0.2	3.9	3.8
						1.0	0.7	299	29.1		7.9		7.3		87.1		6.4		8.8		7		83				<0.2		3.8	
					Middle	3.8	0.5	277	28.0	28.0	7.9	7.9	15.7	15.7	82.8	82.8	5.9		9.4		7		86				<0.2		4.0	
						3.8	0.5	290	28.0		7.9		15.7		82.8		5.9		9.4		8		87				<0.2		3.5	
					Bottom	6.5	0.2	260	27.8	27.8	7.9	7.9	17.7	17.7	82.2	82.3	5.9	5.9	9.8		8		89				<0.2		3.6	
						6.5	0.2	281	27.8		7.9		17.7		82.3		5.9		9.9		8		90				<0.2		4.0	
IM7	Cloudy	Moderate	15:57	7.4	Surface	1.0	0.7	269	28.7	28.7	7.9	7.9	9.0	8.9	83.8	83.8	6.2	6.0	10.2	8.8	7	8	84	86	821359	806808	<0.2	<0.2	4.0	3.9
						1.0	0.7	294	28.7		7.9		8.9		83.8		6.2		10.1		7		84				<0.2		4.1	
					Middle	3.7	0.6	270	27.3	27.3	8.0	8.0	22.1	22.1	81.5	81.5	5.7		7.1		8		85				<0.2		3.6	
						3.7	0.7	271	27.3		8.0		22.1		81.5		5.7		7.1		8		85				<0.2		3.9	
					Bottom	6.4	0.5	253	27.2	27.2	8.0	8.0	24.9	24.9	81.7	81.7	5.6	5.6	9.2		9		90				<0.2		3.7	
						6.4	0.5	264	27.2		8.0		24.9		81.6		5.6		9.2		10		90				<0.2		3.8	
IM8	Cloudy	Moderate	16:28	7.2	Surface	1.0	0.3	199	29.7	29.7	7.9	7.9	5.7	5.7	89.5	89.5	6.6	6.5	11.7	10.0	8	8	82	86	821801	808160	<0.2	<0.2	3.7	3.8
						1.0	0.3	211	29.7		7.9		5.7		89.4		6.6		11.7		7		83				<0.2		3.6	
					Middle	3.6	0.2	231	28.6	28.6	7.9	7.9	10.7	10.7	86.3	86.3	6.3		9.8		8		85				<0.2		3.7	
						3.6	0.2	250	28.6		7.9		10.7		86.3		6.3		9.7		9		86				<0.2		4.0	
					Bottom	6.2	0.1	219	27.9	27.9	7.8	7.8	16.7	16.7	86.9	87.0	6.2	6.2	8.6		9		88				<0.2		4.1	
						6.2	0.1	233	27.9		7.8		16.7		87.1		6.2		8.6		9		89				<0.2		3.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	16:38	6.7	Surface	1.0	0.0	356	29.1	29.1	7.9	7.9	9.2	9.2	86.8	86.8	6.3	6.2	12.7	13.0	7	8	82	86	822107	808792	<0.2	<0.2	3.8	3.8
						1.0	0.0	328	29.1		7.9		9.2		86.8		6.3		12.8		7		83				<0.2		3.7	
					Middle	3.4	0.1	26	28.4	28.4	7.9	7.9	12.3	12.3	84.5	84.6	6.1		13.5		8		86				<0.2		3.7	
						3.4	0.1	26	28.4		7.9		12.3		84.6		6.1		13.4		8		86				<0.2		4.0	
					Bottom	5.7	0.2	167	27.8	27.8	7.9	7.9	19.0	19.0	84.5	84.6	6.0	6.0	12.7		8		89				<0.2		3.8	
						5.7	0.2	178	27.8		7.9		19.0		84.7		6.0		12.9		8		90				<0.2		3.9	
IM10	Cloudy	Moderate	16:47	6.4	Surface	1.0	0.1	86	29.4	29.4	7.9	7.9	9.7	9.7	89.5	89.5	6.5	6.3	10.9	13.4	8	8	85	85	822393	809766	<0.2	<0.2	3.7	3.9
						1.0	0.1	91	29.4		7.9		9.7		89.4		6.5		10.9		7		86				<0.2		3.9	
					Middle	3.2	0.2	93	28.3	28.3	7.9	7.9	15.1	15.1	83.9	83.8	6.0		11.7		8		82				<0.2		4.0	
						3.2	0.2	95	28.2		7.9		15.1		83.7		6.0		11.8		8		83				<0.2		3.6	
					Bottom	5.4	0.1	265	27.4	27.4	7.9	7.9	22.2	22.2	83.9	84.0	5.9	5.9	17.4		9		86				<0.2		4.3	
						5.4	0.1	271	27.4		7.9		22.1		84.0		5.9		17.8		8		87				<0.2		3.9	
IM11	Cloudy	Moderate	16:58	8.0	Surface	1.0	0.1	36	29.4	29.3	8.0	8.0	9.8	9.8	86.5	86.4	6.3	6.0	11.0	13.2	5	6	86	85	822043	811444	<0.2	<0.2	3.8	4.0
						1.0	0.1	37	29.3		8.0		9.8		86.3		6.3		11.0		6		87				<0.2		3.7	
					Middle	4.0	0.2	321	27.5	27.5	7.9	7.9	21.2	21.1	81.2	81.2	5.7		12.5		7		84				<0.2		4.3	
						4.0	0.2	352	27.5		7.9		21.0		81.1		5.7		12.6		6		83				<0.2		3.6	
					Bottom	7.0	0.3	300	27.2	27.2	7.9	7.9	24.2	24.2	81.0	81.2	5.6	5.6	16.0		6		85				<0.2		4.0	
						7.0	0.3	328	27.2		7.9		24.2		81.3		5.6		16.1		7		86				<0.2		4.3	
IM12	Cloudy	Moderate	17:06	7.5	Surface	1.0	0.1	93	29.3	29.3	8.0	8.0	9.0	9.1	87.0	86.9	6.3	6.2	10.6	12.1	5	6	86	90	821456	812019	<0.2	<0.2	3.7	3.7
						1.0	0.1	100	29.3		8.0		9.2		86.7		6.3		10.6		6		86				<0.2		3.7	
					Middle	3.8	0.1	334	27.8	27.8	8.0	8.0	16.9	16.9	84.5	84.5	6.0		11.0		6		89				<0.2		3.5	
						3.8	0.1	307	27.8		8.0		16.9		84.4		6.0		11.1		6		90				<0.2		3.5	
					Bottom	6.5	0.3	314	27.2	27.2	7.9	7.9	24.0	24.0	85.9	86.0	6.0	6.0	14.7		6		94				<0.2		4.0	
						6.5	0.3	325	27.2		7.9		24.0		86.1		6.0		14.8		7		94				<0.2		3.7	
SR2	Cloudy	Moderate	17:33	3.1	Surface	1.0	0.1	327	29.4	29.3	8.0	8.0	10.1	10.2	97.1	97.2	7.0	7.0	10.1	10.3	6	6	82	84	821448	814173	<0.2	<0.2	3.9	3.6
						1.0	0.1	348	29.3		8.0		10.3		97.2		7.0		10.0		5		83				<0.2		3.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.2	336	28.8	28.8	8.0	8.0	18.6	18.6	96.5	96.5	6.7	6.7	10.5		6		85				<0.2		3.5	
						2.1	0.2	344	28.8		8.0		18.6		96.5		6.7		10.6		5		86				<0.2		3.5	
SR3	Cloudy	Moderate	16:23	8.4	Surface	1.0	0.5	189	28.9	28.9	7.9	7.9	7.8	7.8	86.5	86.5	6.4	6.3	10.7	9.4	7	7	-	-	822174	807588	-	-	-	-
						1.0	0.6	204	28.9		7.9		7.8		86.5		6.4		10.7		7		-				-		-	
					Middle	4.2	0.2	211	28.2	28.2	7.9	7.9	15.1	15.2	84.2	84.3	6.1		9.0		7		-				-		-	
						4.2	0.2	213	28.2		7.9		15.3		84.3		6.1		9.0		7		-				-		-	
					Bottom	7.4	0.3	219	27.8	27.8	7.9	7.9	17.3	17.3	84.5	84.6	6.0	6.0	8.5		8		-				-		-	
						7.4	0.3	225	27.8		7.9		17.4		84.7		6.0		8.5		8		-				-		-	
SR4A	Cloudy	Moderate	17:42	8.4	Surface	1.0	0.4	251	28.5	28.5	8.0	8.0	17.2	17.2	93.2	93.1	6.6	6.4	6.2	10.0	4	6	-	-	817166	807835	-	-	-	-
						1.0	0.4	266	28.5		8.0		17.2		92.9		6.6		6.2		5		-				-		-	
					Middle	4.2	0.2	259	27.9	27.8	8.0	8.0	19.9	20.0	88.2	87.9	6.2		11.2		5		-				-		-	
						4.2	0.3	277	27.8		8.0		20.0		87.6		6.2		11.1		6		-				-		-	
					Bottom	7.4	0.0	233	27.4	27.4	8.0	8.0	24.8	24.8	88.7	88.8	6.1	6.1	12.5		7		-				-		-	
						7.4	0.0	246	27.4		8.0		24.8		88.9		6.1		12.5		8		-				-		-	
SR5A	Cloudy	Calm	17:59	3.5	Surface	1.0	0.4	346	28.7	28.7	8.0	8.0	17.1	17.1	98.0	97.9	6.9	6.9	5.2	6.5	5	6	-	-	816574	810666	-	-	-	-
						1.0	0.4	347	28.7		8.0		17.1		97.8		6.9		5.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.3	326	28.2	28.2	8.0	8.0	19.0	19.0	95.7	95.7	6.7	6.7	7.8		7		-				-		-	
						2.5	0.3	350	28.2		8.0		19.0		95.7		6.7		7.8		6		-				-		-	
SR6	Cloudy	Calm	18:30	4.5	Surface	1.0	0.1	188	28.7	28.7	8.0	8.0	17.0	16.9	97.8	97.8	6.9	6.9	5.1	6.0	7	8	-	-	817883	814679	-	-	-	-
						1.0	0.1	193	28.7		8.0		16.9		97.7		6.9		5.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	194	28.1	28.1	8.0	8.0	19.8	19.8	95.6	95.8	6.7	6.7	6.9		8		-				-		-	
						3.5	0.0	196	28.1		8.0		19.8		95.9		6.7		6.9		8		-				-		-	
SR7	Cloudy	Moderate	18:32	16.4	Surface	1.0	0.1	252	28.6	28.6	8.1	8.1	19.4	19.4	95.4	95.3	6.6	6.1	7.8	11.2	5	6	-	-	823629	823770	-	-	-	-
						1.0	0.1	257	28.6		8.1		19.4		95.1		6.6		7.8		5		-				-		-	
					Middle	8.2	0.0	226	27.3	27.3	8.0	8.0	25.2	25.2	79.5	79.4	5.5		10.7		6		-				-		-	
						8.2	0.0	245	27.3		8.0		25.2		79.3		5.5		10.8		5		-				-		-	
					Bottom	15.4	0.0	125	27.1	27.1	8.1	8.1	26.7	26.7	74.3	74.2	5.1	5.1	15.1		8		-				-		-	
						15.4	0.0	130	27.1		8.1		26.7		74.0		5.1		15.2		8		-				-		-	
SR8	Cloudy	Calm	17:16	3.9	Surface	1.0	-	-	29.2	29.1	8.0	8.0	11.7	11.7	98.2	98.2	7.1	7.1	10.7	11.5	7	8	-	-	820516	811632	-	-	-	-
						1.0	-	-	29.1		8.1		11.7		98.2		7.1		10.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	28.3	28.3	8.0	8.0	19.2	19.2	97.9	97.9	6.9	6.9	12.3		8		-				-		-	
						2.9	-	-	28.3		8.0		19.2		97.9		6.9		12.3		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	10:51	8.9	Surface	1.0	0.5	231	28.8	28.8	8.2	8.2	17.0	17.0	94.9	94.9	6.7	6.6	7.6	7.5	2	4	83	88	815617	804266	<0.2	<0.2	3.8	3.7
						1.0	0.5	240	28.8		8.2		17.0		94.8		6.7		7.6		3		84				<0.2		3.8	
					Middle	4.5	0.5	238	28.4	28.4	8.2	8.2	19.5	19.5	91.9	91.9	6.4		7.3		4		88				<0.2		3.8	
						4.5	0.6	239	28.4		8.2		19.5		91.9		6.4		7.3		4		88				<0.2		3.8	
					Bottom	7.9	0.4	205	28.1	28.1	8.2	8.2	22.1	22.1	89.4	89.4	6.2	6.2	7.7		4		92				<0.2		3.6	
						7.9	0.4	208	28.1		8.2		22.1		89.4		6.2		7.7		4		93				<0.2		3.4	
C2	Sunny	Moderate	13:13	10.7	Surface	1.0	1.2	173	29.2	29.2	8.0	8.0	11.7	11.7	90.3	90.2	6.5	6.0	9.2	12.3	4	5	84	88	825696	806966	<0.2	<0.2	3.2	3.0
						1.0	1.3	180	29.2		8.0		11.7		90.1		6.5		9.2		5		84				<0.2		3.5	
					Middle	5.4	0.6	177	27.8	27.8	8.0	8.0	22.0	22.0	77.6	77.6	5.4		12.6		6		88				<0.2		3.2	
						5.4	0.7	189	27.8		8.0		22.0		77.6		5.4		12.6		5		88				<0.2		2.5	
					Bottom	9.7	0.3	143	27.7	27.7	8.0	8.0	23.5	23.5	77.5	77.6	5.3	5.4	15.0		6		92				<0.2		2.9	
						9.7	0.3	146	27.7		8.0		23.5		77.6		5.4		15.0		6		92				<0.2		2.6	
C3	Sunny	Moderate	10:44	8.9	Surface	1.0	0.3	132	28.7	28.7	8.2	8.2	17.1	17.1	95.7	95.7	6.7	6.6	7.4	7.9	2	3	84	89	822081	817799	<0.2	<0.2	3.4	3.3
						1.0	0.3	134	28.7		8.2		17.1		95.7		6.7		7.4		3		85				<0.2		3.6	
					Middle	4.5	0.1	76	28.4	28.4	8.2	8.2	19.0	19.0	92.1	92.2	6.5		7.5		3		88				<0.2		3.0	
						4.5	0.1	82	28.4		8.2		19.0		92.2		6.5		7.5		3		89				<0.2		3.2	
					Bottom	7.9	0.0	25	27.8	27.8	8.2	8.2	24.3	24.3	83.9	83.8	5.8	5.8	8.7		3		93				<0.2		3.4	
						7.9	0.0	26	27.8		8.2		24.3		83.7		5.7		8.7		3		92				<0.2		3.4	
IM1	Sunny	Moderate	11:16	5.1	Surface	1.0	0.2	346	28.8	28.8	8.2	8.2	16.0	16.0	95.7	95.6	6.8	6.8	8.3	10.2	3	4	84	88	817967	807137	<0.2	<0.2	3.5	3.3
						1.0	0.2	318	28.8		8.2		16.0		95.5		6.8		8.4		4		84				<0.2		3.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	24	28.2	28.2	8.1	8.1	19.4	19.4	85.9	85.9	6.0	6.0	12.1		3		91				<0.2		3.0	
						4.1	0.0	25	28.2		8.1		19.4		85.9		6.0		12.1		4		92				<0.2		3.0	
IM2	Sunny	Moderate	11:25	7.2	Surface	1.0	0.6	209	29.2	29.2	8.1	8.1	14.9	14.9	92.2	92.1	6.5	6.2	8.2	8.9	3	4	86	89	818148	806192	<0.2	<0.2	3.4	3.3
						1.0	0.6	228	29.2		8.1		14.9		92.0		6.5		8.2		4		86				<0.2		3.3	
					Middle	3.6	0.4	200	28.4	28.4	8.1	8.1	18.0	18.0	84.3	84.3	5.9		8.5		4		88				<0.2		3.2	
						3.6	0.5	200	28.4		8.1		18.0		84.2		5.9		8.6		5		88				<0.2		3.0	
					Bottom	6.2	0.3	205	28.0	28.0	8.1	8.1	20.7	20.7	82.4	82.5	5.7	5.8	10.1		4		91				<0.2		3.5	
						6.2	0.3	208	28.0		8.1		20.7		82.6		5.8		10.0		5		92				<0.2		3.2	
IM3	Sunny	Moderate	11:34	7.3	Surface	1.0	0.6	211	29.1	29.1	8.1	8.1	14.7	14.7	95.1	95.1	6.7	6.0	8.8	13.6	3	5	86	91	818791	805617	<0.2	<0.2	3.3	3.2
						1.0	0.6	214	29.1		8.1		14.7		95.0		6.7		8.8		4		87				<0.2		3.2	
					Middle	3.7	0.6	215	27.9	27.9	8.0	8.0	21.7	21.7	75.6	75.6	5.3		15.2		5		91				<0.2		2.9	
						3.7	0.6	231	27.9		8.0		21.7		75.6		5.3		15.2		6		92				<0.2		2.8	
					Bottom	6.3	0.4	210	27.7	27.7	8.0	8.0	22.4	22.4	77.4	77.4	5.4	5.4	16.9		6		94				<0.2		3.2	
						6.3	0.4	217	27.7		8.0		22.4		77.4		5.4		16.9		6		95				<0.2		3.5	
IM4	Sunny	Moderate	11:45	7.4	Surface	1.0	0.6	198	29.0	29.0	8.1	8.1	15.9	15.9	85.8	85.6	6.1	5.8	10.5	15.0	4	5	86	89	819698	804616	<0.2	<0.2	3.2	3.1
						1.0	0.6	198	29.0		8.1		15.9		85.4		6.0		10.5		4		86				<0.2		3.3	
					Middle	3.7	0.6	190	28.2	28.1	8.0	8.0	19.8	19.8	78.1	78.1	5.5		13.8		4		89				<0.2		3.2	
						3.7	0.6	206	28.1		8.0		19.8		78.0		5.5		14.0		5		89				<0.2		3.0	
					Bottom	6.4	0.5	204	27.7	27.7	8.0	8.0	22.7	22.7	75.5	75.5	5.2	5.2	20.5		5		92				<0.2		2.8	
						6.4	0.5	211	27.7		8.0		22.7		75.5		5.2		20.5		5		92				<0.2		2.9	
IM5	Sunny	Moderate	11:59	7.0	Surface	1.0	0.7	209	29.0	29.0	8.1	8.1	14.1	14.1	92.3	92.2	6.6	6.2	8.9	12.1	5	5	87	92	820762	804858	<0.2	<0.2	3.4	3.4
						1.0	0.7	229	29.0		8.1		14.1		92.1		6.6		8.9		4		88				<0.2		3.7	
					Middle	3.5	0.5	211	28.3	28.3	8.1	8.1	19.8	19.8	81.5	81.5	5.7		10.2		5		92				<0.2		3.5	
						3.5	0.6	218	28.3		8.1		19.8		81.5		5.7		10.2		5		93				<0.2		3.2	
					Bottom	6.0	0.4	223	27.9	27.9	8.0	8.0	21.7	21.7	79.0	79.0	5.5	5.5	17.1		6		95				<0.2		3.1	
						6.0	0.4	224	27.9		8.0		21.7		79.0		5.5		17.1		6		96				<0.2		3.4	
IM6	Sunny	Moderate	12:10	6.7	Surface	1.0	0.5	202	29.0	29.0	8.1	8.1	14.0	14.1	94.6	94.6	6.7	6.2	8.5	10.6	4	5	88	92	821069	805843	<0.2	<0.2	3.4	3.3
						1.0	0.5	206	29.0		8.1		14.1		94.5		6.7		8.5		4		88				<0.2		3.3	
					Middle	3.4	0.4	219	28.1	28.1	8.1	8.1	20.0	20.0	79.6	79.7	5.6		10.4		5		92				<0.2		3.1	
						3.4	0.5	228	28.1		8.1		20.0		79.7		5.6		10.4		4		93				<0.2		3.6	
					Bottom	5.7	0.4	200	27.8	27.8	8.1	8.1	22.1	22.1	79.1	79.2	5.5	5.5	13.0		5		96				<0.2		3.2	
						5.7	0.4	219	27.8		8.1		22.1		79.2		5.5		13.0		6		97				<0.2		3.2	
IM7	Sunny	Moderate	12:20	8.1	Surface	1.0	0.4	233	28.8	28.8	8.1	8.1	15.1	15.1	91.3	91.2	6.5	6.2	8.6	10.2	5	6	87	92	821366	806844	<0.2	<0.2	3.2	3.3
						1.0	0.4	238	28.8		8.1		15.1		91.1		6.5		8.6		5		88				<0.2		3.3	
					Middle	4.1	0.3	240	28.5	28.5	8.1	8.1	17.1	17.2	84.0	83.9	5.9		9.4		6		92				<0.2		3.1	
						4.1	0.4	251	28.5		8.1		17.2		83.8		5.9		9.4		5		92				<0.2		3.3	
					Bottom	7.1	0.2	236	27.8	27.8	8.0	8.0	21.8	21.8	77.1	77.1	5.4	5.4	12.7		6		95				<0.2		3.5	
						7.1	0.2	253	27.8		8.0		21.8		77.1		5.4		12.7		6		96				<0.2		3.4	
IM8	Sunny	Moderate	12:36	7.4	Surface	1.0	0.5	191	29.0	29.0	8.1	8.1	12.8	12.8	90.6	90.5	6.5	6.0	9.0	11.3	4	5	84	88	821837	808169	<0.2	<0.2	3.1	3.2
						1.0	0.5	202	29.0		8.1		12.8		90.4		6.5		9.0		4		84				<0.2		3.2	
					Middle	3.7	0.3	213	28.2	28.2	8.1	8.1	19.4	19.4	78.5	78.5	5.5		10.8		5		89				<0.2		2.8	
						3.7	0.3	214	28.2		8.1		19.4		78.4		5.5		10.9		6		88				<0.2		3.3	
					Bottom	6.4	0.2	239	27.8	27.8	8.1	8.1	22.0	22.0	75.9	76.0	5.3	5.3	14.1		7		93				<0.2		3.6	
						6.4	0.2	244	27.8		8.1		22.0		76.0		5.3		14.1		6		92				<0.2		3.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	12:27	6.9	Surface	1.0	0.3	159	29.0	29.0	8.2	8.2	14.7	14.7	93.1	93.0	6.6	6.1	8.6	11.3	5	6	84	89	822118	808787	<0.2	<0.2	2.7	2.9
						1.0	0.4	160	29.0		8.2		14.7		92.9		6.6		8.6		5		85				<0.2		3.6	
					Middle	3.5	0.2	160	28.1	28.1	8.1	8.1	20.4	20.4	78.8	78.8	5.5		10.9		7		88				<0.2		2.6	
						3.5	0.2	171	28.1		8.1		20.5		78.7		5.5		10.9		6		89				<0.2		3.0	
					Bottom	5.9	0.1	105	27.8	27.8	8.1	8.1	22.2	22.2	77.0	77.0	5.3	5.3	14.5		6		93				<0.2		2.5	
						5.9	0.1	105	27.8		8.1		22.1		77.0		5.3		14.5		7		92				<0.2		3.1	
IM10	Sunny	Moderate	12:13	7.0	Surface	1.0	0.7	135	28.9	28.9	8.1	8.1	16.1	16.1	86.4	86.3	6.1	5.8	10.2	14.6	6	6	84	88	822405	809807	<0.2	<0.2	3.4	3.1
						1.0	0.8	140	28.9		8.1		16.1		86.2		6.1		10.2		6		84				<0.2		2.6	
					Middle	3.5	0.5	121	28.1	28.1	8.0	8.0	20.1	20.1	78.2	78.3	5.5		13.3		5		89				<0.2		3.2	
						3.5	0.6	129	28.1		8.0		20.1		78.3		5.5		13.5		6		88				<0.2		2.9	
					Bottom	6.0	0.3	94	27.8	27.8	8.0	8.0	22.5	22.4	75.9	76.0	5.3	5.3	20.1		6		92				<0.2		3.1	
						6.0	0.3	95	27.8		8.0		22.4		76.0		5.3		20.1		6		93				<0.2		3.5	
IM11	Sunny	Moderate	11:55	8.5	Surface	1.0	0.8	116	29.0	29.0	8.1	8.1	15.0	15.0	90.6	90.4	6.4	5.9	9.3	14.3	4	6	84	89	822057	811457	<0.2	<0.2	3.5	3.2
						1.0	0.8	116	29.0		8.1		15.0		90.2		6.4		9.4		4		84				<0.2		3.2	
					Middle	4.3	0.4	86	27.9	27.9	8.1	8.1	21.3	21.3	76.1	76.1	5.3		14.8		6		89				<0.2		3.2	
						4.3	0.4	91	27.9		8.1		21.3		76.1		5.3		14.8		6		89				<0.2		3.1	
					Bottom	7.5	0.3	78	27.7	27.7	8.0	8.0	22.5	22.5	75.3	75.4	5.2	5.2	18.6		7		93				<0.2		3.2	
						7.5	0.3	82	27.7		8.1		22.5		75.4		5.2		18.6		8		93				<0.2		2.9	
IM12	Sunny	Moderate	11:46	9.9	Surface	1.0	0.4	88	29.1	29.1	8.1	8.1	15.3	15.3	91.3	91.3	6.5	6.2	8.3	10.6	4	5	84	89	821468	812040	<0.2	<0.2	3.0	2.9
						1.0	0.4	89	29.1		8.1		15.3		91.3		6.5		8.3		3		88				<0.2		2.6	
					Middle	5.0	0.6	97	28.4	28.4	8.1	8.1	18.0	18.0	81.8	81.8	5.8		9.9		5		89				<0.2		3.1	
						5.0	0.6	104	28.4		8.1		18.0		81.7		5.8		10.0		5		88				<0.2		2.9	
					Bottom	8.9	0.4	118	27.9	27.9	8.1	8.1	21.4	21.4	81.2	81.3	5.7	5.7	13.4		6		93				<0.2		2.8	
						8.9	0.4	129	28.0		8.1		21.4		81.3		5.7		13.4		6		92				<0.2		2.9	
SR2	Sunny	Moderate	11:06	5.0	Surface	1.0	0.5	66	28.8	28.8	8.2	8.2	16.3	16.3	93.8	93.7	6.6	6.6	8.3	9.5	2	3	84	86	821479	814153	<0.2	<0.2	2.8	3.0
						1.0	0.5	72	28.8		8.2		16.3		93.5		6.6		8.3		2		84				<0.2		2.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.4	67	28.1	28.1	8.1	8.1	19.6	19.6	83.1	83.2	5.8	5.8	10.5		4		89				<0.2		3.0	
						4.0	0.4	71	28.1		8.1		19.6		83.2		5.8		10.9		4		88				<0.2		3.2	
SR3	Sunny	Moderate	12:45	8.1	Surface	1.0	0.8	192	28.8	28.8	8.0	8.0	14.6	14.6	86.5	86.5	6.2	5.8	9.0	11.6	4	6	-	-	822130	807554	-	-	-	-
						1.0	0.8	194	28.8		8.0		14.6		86.4		6.2		9.1		3		-				-		-	
					Middle	4.1	0.3	211	28.0	28.0	8.0	8.0	21.5	21.4	76.8	76.8	5.3		11.5		6		-				-		-	
						4.1	0.3	215	28.0		8.0		21.4		76.7		5.3		11.5		5		-				-		-	
					Bottom	7.1	0.2	243	27.7	27.7	8.0	8.0	22.9	22.9	74.4	74.5	5.2	5.2	14.1		8		-				-		-	
						7.1	0.2	255	27.7		8.0		22.9		74.5		5.2		14.1		7		-				-		-	
SR4A	Sunny	Moderate	10:31	9.0	Surface	1.0	0.2	90	28.8	28.8	8.2	8.2	16.9	16.9	96.3	96.4	6.8	6.7	7.5	7.5	4	5	-	-	817184	807810	-	-	-	-
						1.0	0.2	95	28.8		8.2		17.0		96.4		6.8		7.6		4		-				-		-	
					Middle	4.5	0.2	62	28.4	28.4	8.2	8.2	19.0	19.0	92.8	92.8	6.5		7.5		6		-				-		-	
						4.5	0.2	65	28.4		8.2		19.0		92.8		6.5		7.5		6		-				-		-	
					Bottom	8.0	0.2	90	28.4	28.4	8.2	8.2	19.7	19.7	92.6	92.6	6.5	6.5	7.4		5		-				-		-	
						8.0	0.2	97	28.4		8.2		19.7		92.6		6.5		7.4		6		-				-		-	
SR5A	Sunny	Calm	10:14	5.3	Surface	1.0	0.1	33	28.5	28.5	8.2	8.2	18.9	18.9	95.5	95.5	6.7	6.7	7.4	7.5	3	3	-	-	816572	810717	-	-	-	-
						1.0	0.1	33	28.5		8.2		18.9		95.4		6.7		7.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	221	28.3	28.3	8.2	8.2	20.1	20.1	94.3	94.4	6.6	6.6	7.6		3		-				-		-	
						4.3	0.0	222	28.3		8.2		20.1		94.4		6.6		7.6		4		-				-		-	
SR6	Sunny	Calm	09:48	4.6	Surface	1.0	0.1	70	28.3	28.3	8.2	8.2	20.0	20.0	92.9	93.0	6.5	6.5	7.7	7.7	2	3	-	-	817872	814645	-	-	-	-
						1.0	0.1	71	28.3		8.2		20.0		93.0		6.5		7.7		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	157	28.2	28.2	8.2	8.2	21.0	21.0	92.3	92.3	6.4	6.4	7.6		3		-				-		-	
						3.6	0.0	167	28.2		8.2		21.0		92.3		6.4		7.6		3		-				-		-	
SR7	Sunny	Moderate	09:54	15.9	Surface	1.0	0.4	79	28.3	28.3	8.2	8.2	19.8	19.8	93.2	93.2	6.5	6.3	7.6	8.3	3	4	-	-	823646	823766	-	-	-	-
						1.0	0.5	85	28.3		8.2		19.8		93.1		6.5		7.6		2		-				-		-	
					Middle	8.0	0.1	22	28.1	28.1	8.2	8.2	21.8	21.8	88.2	88.2	6.1		8.1		4		-				-		-	
						8.0	0.1	22	28.1		8.2		21.8		88.2		6.1		8.2		4		-				-		-	
					Bottom	14.9	0.2	46	27.7	27.7	8.2	8.2	25.8	25.8	83.0	83.1	5.7	5.7	9.0		4		-				-		-	
						14.9	0.3	46	27.7		8.2		25.8		83.1		5.7		9.0		4		-				-		-	
SR8	Sunny	Moderate	11:26	3.6	Surface	1.0	-	-	28.8	28.8	8.2	8.2	15.7	15.7	94.3	94.3	6.7	6.7	10.1	10.7	3	3	-	-	820488	811688	-	-	-	-
						1.0	-	-	28.8		8.2		15.7		94.2		6.7		10.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	28.7	28.7	8.2	8.2	16.5	16.5	91.5	91.5	6.5	6.5	11.2		3		-				-		-	
						2.6	-	-	28.7		8.2		16.5		91.5		6.5		11.2		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	17:59	7.7	Surface	1.0	0.1	90	29.3	29.3	8.3	8.3	18.4	18.4	99.6	99.4	6.9	6.3	8.9	10.8	4	5	90	93	815644	804258	<0.2	<0.2	3.3	3.3
						1.0	0.1	92	29.3		8.3		18.4		99.1		6.9		8.9		4		90				<0.2		3.2	
					Middle	3.9	0.1	42	28.3	28.3	8.1	8.1	20.7	20.7	82.7	82.7	5.7		10.1		4		93				<0.2		3.3	
						3.9	0.1	15	28.3		8.1		20.7		82.6		5.7		10.1		5		94				<0.2		3.2	
					Bottom	6.7	0.1	73	27.8	27.8	8.1	8.1	23.5	23.5	82.1	82.2	5.7	5.7	13.2		6		96				<0.2		3.8	
						6.7	0.1	89	27.8		8.1		23.5		82.3		5.7		13.4		5		96				<0.2		3.2	
C2	Fine	Moderate	16:47	10.2	Surface	1.0	1.2	73	29.2	29.2	8.0	8.0	11.7	11.7	87.3	87.2	6.3	5.8	10.1	11.8	4	4	87	91	825653	806916	<0.2	<0.2	3.5	3.2
						1.0	1.3	85	29.2		8.0		11.7		87.1		6.3		10.1		4		87				<0.2		3.4	
					Middle	5.1	0.6	79	28.0	28.0	8.0	8.0	19.5	19.5	75.4	75.4	5.3		11.7		4		90				<0.2		3.0	
						5.1	0.6	80	28.0		8.0		19.6		75.4		5.3		11.7		4		91				<0.2		2.8	
					Bottom	9.2	0.2	24	27.8	27.8	8.1	8.0	22.0	22.1	75.8	75.9	5.3	5.3	13.7		4		95				<0.2		3.0	
						9.2	0.2	30	27.8		8.0		22.1		75.9		5.3		13.6		5		95				<0.2		3.4	
C3	Fine	Moderate	18:33	9.0	Surface	1.0	0.4	275	29.5	29.5	8.3	8.3	18.5	18.5	105.9	105.7	7.3	6.4	8.4	10.1	5	5	87	91	822135	817819	<0.2	<0.2	3.1	3.1
						1.0	0.4	286	29.5		8.3		18.5		105.5		7.3		8.4		4		87				<0.2		3.1	
					Middle	4.5	0.3	281	28.0	28.0	8.1	8.1	22.3	22.3	79.4	79.4	5.5		10.5		5		91				<0.2		3.2	
						4.5	0.3	298	28.0		8.1		22.3		79.3		5.5		10.5		5		90				<0.2		2.9	
					Bottom	8.0	0.1	261	27.8	27.8	8.1	8.1	24.3	24.3	79.5	79.5	5.5	5.5	11.3		5		95				<0.2		3.2	
						8.0	0.1	285	27.8		8.1		24.3		79.5		5.5		11.2		4		94				<0.2		3.2	
IM1	Fine	Moderate	17:38	4.6	Surface	1.0	0.2	56	29.6	29.6	8.1	8.1	12.6	12.6	98.2	98.1	7.0	7.0	8.6	8.5	4	4	86	90	817949	807119	<0.2	<0.2	3.1	3.3
						1.0	0.2	59	29.6		8.1		12.6		98.0		7.0		8.6		3		86				<0.2		3.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	11	28.7	28.7	8.0	8.0	16.7	16.7	92.6	92.7	6.5	6.5	8.3		4		93				<0.2		3.4	
						3.6	0.1	11	28.7		8.0		16.7		92.7		6.5		8.3		3		93				<0.2		3.4	
IM2	Fine	Moderate	17:29	6.7	Surface	1.0	0.4	11	29.7	29.7	8.1	8.1	12.4	12.4	99.2	99.2	7.1	6.6	8.7	8.6	3	3	86	90	818173	806174	<0.2	<0.2	4.2	4.0
						1.0	0.4	15	29.7		8.1		12.4		99.1		7.0		8.7		2		87				<0.2		3.9	
					Middle	3.4	0.1	19	28.6	28.6	8.1	8.1	16.8	16.8	88.4	88.4	6.2		8.4		3		89				<0.2		3.6	
						3.4	0.1	22	28.6		8.1		16.8		88.3		6.2		8.4		3		89				<0.2		3.9	
					Bottom	5.7	0.1	42	28.4	28.4	8.0	8.0	18.4	18.4	87.7	87.7	6.2	6.2	8.8		4		94				<0.2		4.1	
						5.7	0.1	45	28.4		8.0		18.4		87.7		6.2		8.8		5		95				<0.2		4.0	
IM3	Fine	Moderate	17:20	6.8	Surface	1.0	0.5	40	28.9	28.9	8.0	8.0	14.5	14.5	87.8	87.8	6.3	6.0	8.4	9.1	4	5	86	90	818773	805605	<0.2	<0.2	3.0	3.5
						1.0	0.5	57	28.9		8.0		14.6		87.7		6.2		8.4		4		87				<0.2		3.5	
					Middle	3.4	0.2	17	28.3	28.3	8.0	8.0	18.7	18.7	82.6	82.6	5.8		8.8		5		90				<0.2		3.6	
						3.4	0.2	21	28.3		8.0		18.7		82.6		5.8		8.8		6		90				<0.2		3.7	
					Bottom	5.8	0.3	20	28.2	28.2	8.0	8.0	19.6	19.6	84.3	84.3	5.9	5.9	10.1		6		93				<0.2		3.6	
						5.8	0.3	20	28.2		8.0		19.6		84.2		5.9		10.1		6		94				<0.2		3.8	
IM4	Fine	Moderate	17:10	7.0	Surface	1.0	0.2	71	29.3	29.3	8.1	8.1	12.1	12.3	91.1	91.0	6.5	6.3	9.2	9.3	4	5	87	90	819737	804585	<0.2	<0.2	3.8	3.0
						1.0	0.2	75	29.3		8.1		12.5		90.9		6.5		9.2		5		86				<0.2		2.8	
					Middle	3.5	0.3	33	28.5	28.5	8.1	8.1	16.7	16.7	85.0	85.0	6.0		9.0		4		89				<0.2		2.7	
						3.5	0.4	35	28.5		8.1		16.7		85.0		6.0		9.0		5		90				<0.2		3.0	
					Bottom	6.0	0.3	39	28.3	28.3	8.0	8.0	18.5	18.5	84.5	84.6	5.9	5.9	9.6		6		93				<0.2		2.8	
						6.0	0.3	49	28.3		8.0		18.5		84.6		5.9		9.6		6		94				<0.2		2.9	
IM5	Fine	Moderate	17:01	6.5	Surface	1.0	0.5	37	29.1	29.1	8.1	8.1	12.3	12.3	89.3	89.2	6.4	6.2	8.8	8.7	6	6	85	90	820759	804852	<0.2	<0.2	3.0	3.1
						1.0	0.5	45	29.0		8.1		12.3		89.1		6.4		8.8		5		86				<0.2		3.0	
					Middle	3.3	0.5	55	28.6	28.5	8.1	8.1	16.7	16.6	85.1	85.1	6.0		8.7		6		89				<0.2		2.9	
						3.3	0.5	69	28.5		8.1		16.6		85.1		6.0		8.6		6		90				<0.2		3.1	
					Bottom	5.5	0.4	51	28.3	28.3	8.0	8.0	18.5	18.5	85.1	85.1	6.0	6.0	8.5		6		95				<0.2		2.8	
						5.5	0.4	67	28.3		8.0		18.5		85.1		6.0		8.5		6		95				<0.2		3.5	
IM6	Fine	Moderate	16:54	6.2	Surface	1.0	0.7	65	29.5	29.5	8.2	8.2	11.2	11.2	98.4	98.3	7.1	6.5	10.1	9.6	6	6	85	90	821087	805825	<0.2	<0.2	2.9	3.0
						1.0	0.8	67	29.5		8.2		11.2		98.2		7.0		10.2		5		86				<0.2		3.2	
					Middle	3.1	0.7	60	28.5	28.5	8.1	8.1	16.9	16.9	85.4	85.4	6.0		9.0		6		89				<0.2		3.4	
						3.1	0.7	65	28.5		8.1		16.9		85.3		6.0		9.0		6		90				<0.2		2.7	
					Bottom	5.2	0.4	57	28.4	28.4	8.1	8.1	17.8	17.8	84.1	84.1	5.9	5.9	9.7		7		93				<0.2		3.0	
						5.2	0.4	63	28.4		8.1		17.8		84.1		5.9		9.8		7		94				<0.2		2.8	
IM7	Fine	Moderate	16:47	7.5	Surface	1.0	0.6	30	28.7	28.7	8.1	8.1	15.7	15.7	87.8	87.8	6.2	6.1	8.7	9.1	7	10	87	90	821374	806827	<0.2	<0.2	3.3	3.4
						1.0	0.6	37	28.7		8.1		15.7		87.7		6.2		8.7		7		87				<0.2		3.2	
					Middle	3.8	0.5	41	28.4	28.4	8.1	8.1	17.4	17.3	84.4	84.5	6.0		9.1		10		89				<0.2		3.8	
						3.8	0.6	45	28.4		8.1		17.3		84.5		6.0		9.0		10		91				<0.2		3.2	
					Bottom	6.5	0.4	44	28.3	28.3	8.1	8.1	18.1	18.1	84.3	84.3	5.9	5.9	9.4		12		92				<0.2		3.2	
						6.5	0.4	45	28.3		8.1		18.1		84.3		5.9		9.4		11		93				<0.2		3.5	
IM8	Fine	Moderate	17:07	8.1	Surface	1.0	0.3	316	28.8	28.8	8.1	8.1	15.1	15.1	90.1	90.1	6.4	6.2	8.7	9.2	6	6	88	91	821826	808127	<0.2	<0.2	3.4	3.7
						1.0	0.4	323	28.8		8.1		15.0		90.0		6.4		8.7		5		87				<0.2		3.6	
					Middle	4.1	0.3	354	28.4	28.4	8.1	8.1	17.9	17.9	83.4	83.5	5.9		9.3		6		91				<0.2		3.6	
						4.1	0.3	344	28.4		8.1		17.9		83.5		5.9		9.3		4		91				<0.2		3.8	
					Bottom	7.1	0.2	342	28.3	28.3	8.1	8.1	18.5	18.5	83.5	83.5	5.9	5.9	9.7		6		95				<0.2		3.9	
						7.1	0.2	355	28.3		8.1		18.5		83.5		5.9		9.7		8		95				<0.2		3.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	17:17	7.3	Surface	1.0	0.3	253	28.6	28.6	8.1	8.1	15.7	15.6	86.4	86.4	6.1	6.1	8.5	8.8	6	7	87	91	822082	808819	<0.2	<0.2	3.6	3.7
						1.0	0.3	253	28.6		8.1		15.4		86.3				8.5		5		87				<0.2		3.5	
					Middle	3.7	0.1	221	28.5	28.5	8.1	8.1	17.0	17.0	85.0	85.0	6.0		8.7		7		91				<0.2		3.8	
						3.7	0.1	224	28.5		8.1		17.0		85.0		6.0		8.7		8		91				<0.2		3.7	
					Bottom	6.3	0.1	184	28.4	28.4	8.1	8.1	18.7	18.6	83.7	83.7	5.9	5.9	9.2		8		95				<0.2		4.3	
						6.3	0.1	190	28.4		8.1		18.6		83.7		5.9		9.3		9		95				<0.2		3.3	
IM10	Fine	Moderate	17:27	7.6	Surface	1.0	0.6	238	29.8	29.8	8.1	8.1	11.2	11.3	99.0	99.0	7.1	6.4	9.4	10.3	6	7	87	91	822378	809800	<0.2	<0.2	3.4	3.5
						1.0	0.6	242	29.8		8.1		11.5		99.0		7.1		9.4		7		87				<0.2		3.2	
					Middle	3.8	0.4	208	28.2	28.2	8.0	8.0	19.3	19.2	81.5	81.5	5.7		9.9		7		91				<0.2		3.4	
						3.8	0.4	213	28.2		8.0		19.2		81.5		5.7		9.9		7		91				<0.2		3.4	
					Bottom	6.6	0.3	196	28.2	28.2	8.0	8.0	19.7	19.7	81.6	81.6	5.7	5.7	11.7		7		95				<0.2		3.6	
						6.6	0.3	201	28.2		8.0		19.7		81.6		5.7		11.7		8		95				<0.2		3.8	
IM11	Fine	Moderate	17:38	8.2	Surface	1.0	0.5	223	29.7	29.7	8.2	8.2	12.2	12.2	97.1	97.0	6.9	6.4	9.0	12.5	5	6	86	91	822052	811447	<0.2	<0.2	3.6	3.6
						1.0	0.6	227	29.7		8.2		12.1		96.9		6.9		9.0		6		87				<0.2		3.4	
					Middle	4.1	0.5	202	28.5	28.5	8.1	8.1	17.8	17.8	83.9	83.9	5.9		10.0		5		91				<0.2		3.7	
						4.1	0.6	203	28.5		8.1		17.9		83.9		5.9		10.1		6		91				<0.2		3.6	
					Bottom	7.2	0.2	180	28.2	28.2	8.1	8.1	20.1	20.1	81.9	82.0	5.7	5.7	18.3		7		95				<0.2		3.7	
						7.2	0.2	186	28.2		8.1		20.1		82.0		5.7		18.6		7		95				<0.2		3.5	
IM12	Fine	Moderate	17:44	7.5	Surface	1.0	0.5	209	29.9	29.9	8.2	8.2	11.2	11.2	99.5	99.4	7.1	6.7	8.8	8.6	6	6	87	91	821483	812037	<0.2	<0.2	3.5	3.7
						1.0	0.6	210	29.9		8.2		11.2		99.3		7.1		8.8		5		87				<0.2		3.7	
					Middle	3.8	0.5	184	28.6	28.6	8.1	8.1	16.8	16.8	87.5	87.6	6.2		8.1		6		91				<0.2		3.9	
						3.8	0.5	192	28.6		8.1		16.8		87.6		6.2		8.1		6		91				<0.2		3.5	
					Bottom	6.5	0.3	172	28.3	28.3	8.1	8.1	18.7	18.7	85.6	85.7	6.0	6.0	8.8		7		95				<0.2		3.9	
						6.5	0.4	176	28.4		8.1		18.7		85.7		6.0		8.8		7		95				<0.2		3.8	
SR2	Fine	Moderate	18:11	4.8	Surface	1.0	0.2	227	29.6	29.6	8.1	8.1	13.5	13.5	101.9	101.9	7.2	7.2	10.1	14.2	4	6	87	89	821448	814136	<0.2	<0.2	3.3	3.3
						1.0	0.3	229	29.6		8.1		13.5		101.9		7.2		10.2		5		87				<0.2		3.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	290	29.4	29.4	8.1	8.1	14.0	14.0	99.3	99.3	7.0	7.0	18.0		7		90				<0.2		3.1	
						3.8	0.3	297	29.4		8.1		14.0		99.2		7.0		18.4		7		90				<0.2		3.3	
SR3	Fine	Moderate	17:01	7.8	Surface	1.0	0.9	86	29.1	29.1	8.1	8.1	12.2	12.2	92.2	92.1	6.6	6.0	9.2	11.4	6	6	-	-	822132	807568	-	-	-	-
						1.0	1.0	96	29.1		8.1		12.2		91.9		6.6		9.2		6		-				-		-	
					Middle	3.9	0.6	11	28.1	28.1	8.0	8.0	19.8	19.8	77.1	77.1	5.4		11.1		6		-				-		-	
						3.9	0.6	15	28.1		8.0		19.8		77.1		5.4		11.1		5		-				-		-	
					Bottom	6.8	0.4	30	28.0	28.0	8.1	8.1	20.9	20.9	77.3	77.3	5.4	5.4	13.8		7		-				-		-	
						6.8	0.4	33	28.0		8.1		21.0		77.2		5.4		13.9		6		-				-		-	
SR4A	Fine	Moderate	18:18	8.0	Surface	1.0	0.5	265	29.6	29.6	8.3	8.3	18.4	18.4	113.3	113.1	7.8	6.8	8.1	9.4	4	6	-	-	817217	807819	-	-	-	-
						1.0	0.6	274	29.6		8.3		18.4		112.9		7.8		8.1		5		-				-		-	
					Middle	4.0	0.5	239	28.1	28.1	8.1	8.1	21.2	21.2	83.2	83.2	5.8		9.6		5		-				-		-	
						4.0	0.5	259	28.1		8.1		21.3		83.2		5.8		9.6		6		-				-		-	
					Bottom	7.0	0.5	244	27.8	27.8	8.1	8.1	23.9	23.8	85.6	85.7	5.9	5.9	10.6		7		-				-		-	
						7.0	0.5	250	27.8		8.1		23.8		85.8		5.9		10.6		7		-				-		-	
SR5A	Fine	Calm	18:38	4.8	Surface	1.0	0.4	322	29.5	29.5	8.3	8.3	18.4	18.4	116.6	116.5	8.0	8.0	7.9	8.5	4	4	-	-	816612	810699	-	-	-	-
						1.0	0.4	324	29.5		8.3		18.4		116.4		8.0		7.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	329	28.4	28.4	8.1	8.1	20.5	20.5	95.1	95.3	6.6	6.6	9.0		4		-				-		-	
						3.8	0.4	342	28.4		8.1		20.5		95.5		6.6		9.0		5		-				-		-	
SR6	Fine	Calm	19:21	3.9	Surface	1.0	0.1	215	29.4	29.4	8.3	8.3	18.4	18.4	107.5	107.3	7.4	7.4	8.4	8.8	4	5	-	-	817898	814683	-	-	-	-
						1.0	0.1	216	29.4		8.3		18.4		107.1		7.4		8.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	232	28.4	28.4	8.1	8.1	20.4	20.4	99.9	100.1	6.9	7.0	9.2		5		-				-		-	
						2.9	0.0	251	28.4		8.1		20.4		100.3		7.0		9.2		5		-				-		-	
SR7	Fine	Moderate	18:38	17.3	Surface	1.0	0.1	312	29.5	29.5	8.3	8.3	18.5	18.5	112.1	112.0	7.7	6.6	8.2	10.7	3	4	-	-	823660	823734	-	-	-	-
						1.0	0.1	332	29.5		8.3		18.5		111.9		7.7		8.3		3		-				-		-	
					Middle	8.7	0.2	279	27.9	27.9	8.1	8.1	22.6	22.6	78.0	78.0	5.4		11.6		4		-				-		-	
						8.7	0.2	280	27.9		8.1		22.6		78.0		5.4		11.6		4		-				-		-	
					Bottom	16.3	0.1	280	27.7	27.7	8.1	8.1	24.6	24.6	80.0	80.1	5.5	5.5	12.3		6		-				-		-	
						16.3	0.1	282	27.7		8.1		24.6		80.1		5.5		12.4		6		-				-		-	
SR8	Fine	Moderate	17:57	4.3	Surface	1.0	-	-	29.6	29.6	8.2	8.2	12.9	12.9	101.4	101.4	7.2	7.2	9.8	10.0	4	5	-	-	820511	811657	-	-	-	-
						1.0	-	-	29.6		8.2		12.9		101.4		7.2		9.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	29.4	29.4	8.2	8.2	14.5	14.5	99.2	99.1	7.0	7.0	10.2		5		-				-		-	
						3.3	-	-	29.4		8.2		14.5		99.0		7.0		10.1		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	12:27	8.4	Surface	1.0	0.6	233	28.8	28.7	8.1	8.1	20.2	20.2	86.9	86.9	6.0	5.9	6.2	10.6	5	7	83	86	815643	804231	<0.2	<0.2	2.6	2.3
						1.0	0.6	239	28.7		8.1		20.2		86.8		6.0		6.3		6		83				<0.2		2.2	
					Middle	4.2	0.5	219	28.5	28.5	8.1	8.1	21.9	21.9	84.4	84.4	5.8		11.4		5		86				<0.2		2.2	
						4.2	0.6	240	28.5		8.1		21.9		84.4		5.8		11.3		6		85				<0.2		2.1	
					Bottom	7.4	0.5	211	28.4	28.4	8.1	8.1	22.5	22.5	84.3	84.3	5.8	5.8	14.2		9		88				<0.2		2.2	
						7.4	0.5	218	28.4		8.1		22.5		84.3		5.8		14.2		8		89				<0.2		2.2	
C2	Fine	Moderate	11:29	12.7	Surface	1.0	0.2	105	28.6	28.6	8.0	8.0	18.1	18.1	79.8	79.7	5.6	5.5	8.4	13.5	5	7	81	86	825655	806957	<0.2	<0.2	2.1	2.1
						1.0	0.2	112	28.6		8.0		18.1		79.6		5.6		8.6		5		81				<0.2		2.1	
					Middle	6.4	0.4	84	28.2	28.2	8.1	8.1	21.9	21.9	76.0	76.1	5.3		14.4		6		86				<0.2		2.1	
						6.4	0.4	91	28.3		8.1		21.9		76.1		5.3		14.5		6		86				<0.2		2.0	
					Bottom	11.7	0.3	120	28.0	28.0	8.1	8.1	25.0	25.0	76.8	76.8	5.2	5.2	17.4		9		90				<0.2		2.1	
						11.7	0.3	126	28.0		8.1		25.0		76.8		5.2		17.4		10		91				<0.2		1.9	
C3	Fine	Moderate	13:18	12.3	Surface	1.0	0.3	209	28.4	28.4	8.1	8.1	23.2	23.2	84.3	84.3	5.8	5.7	6.1	9.3	8	9	84	87	822099	817810	<0.2	<0.2	2.0	2.0
						1.0	0.3	226	28.4		8.1		23.2		84.2		5.8		6.2		8		84				<0.2		2.0	
					Middle	6.2	0.4	254	28.2	28.2	8.1	8.1	24.0	24.0	80.7	80.7	5.5		9.9		9		86				<0.2		2.0	
						6.2	0.4	264	28.2		8.1		24.0		80.6		5.5		9.8		9		87				<0.2		2.0	
					Bottom	11.3	0.2	258	27.9	27.9	8.1	8.1	25.2	25.2	80.1	80.2	5.5	5.5	11.9		10		91				<0.2		2.1	
						11.3	0.2	272	27.9		8.1		25.2		80.2		5.5		12.0		8		91				<0.2		1.9	
IM1	Fine	Moderate	12:08	4.7	Surface	1.0	0.2	212	28.7	28.7	8.1	8.1	20.0	20.0	82.7	82.7	5.7	5.7	7.4	9.3	4	4	82	84	817967	807145	<0.2	<0.2	2.1	2.1
						1.0	0.2	228	28.7		8.1		20.0		82.6		5.7		7.5		4		82				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	189	28.2	28.2	8.1	8.1	21.8	21.8	80.4	80.5	5.6	5.6	11.0		3		87				<0.2		2.1	
						3.7	0.2	203	28.2		8.1		21.8		80.5		5.6		11.1		4		86				<0.2		2.1	
IM2	Fine	Moderate	12:01	6.8	Surface	1.0	0.3	218	28.5	28.5	8.1	8.1	19.8	19.8	82.5	82.5	5.7	5.6	8.9	11.6	4	4	81	85	818192	806151	<0.2	<0.2	2.1	2.1
						1.0	0.4	237	28.5		8.1		19.8		82.4		5.7		9.1		4		82				<0.2		2.0	
					Middle	3.4	0.3	197	28.3	28.3	8.1	8.1	20.7	20.7	79.2	79.2	5.5		10.8		4		85				<0.2		2.0	
						3.4	0.3	204	28.3		8.1		20.7		79.1		5.5		11.4		4		85				<0.2		2.1	
					Bottom	5.8	0.2	166	28.0	28.0	8.1	8.1	23.0	23.0	78.6	78.6	5.4	5.4	14.7		5		89				<0.2		2.0	
						5.8	0.3	175	28.0		8.1		23.0		78.6		5.4		14.7		5		89				<0.2		2.1	
IM3	Fine	Moderate	11:54	7.1	Surface	1.0	0.3	214	28.6	28.6	8.1	8.1	19.9	19.9	81.5	81.5	5.7	5.6	12.1	16.5	3	4	81	86	818778	805600	<0.2	<0.2	2.0	2.0
						1.0	0.3	215	28.6		8.1		19.9		81.4		5.7		12.5		3		82				<0.2		2.1	
					Middle	3.6	0.3	188	28.3	28.3	8.1	8.1	21.1	21.1	78.7	78.7	5.5		16.8		3		86				<0.2		2.0	
						3.6	0.3	204	28.2		8.1		21.1		78.6		5.5		16.6		4		87				<0.2		2.1	
					Bottom	6.1	0.2	170	28.0	28.0	8.1	8.1	23.2	23.2	78.3	78.5	5.4	5.4	20.6		5		89				<0.2		2.0	
						6.1	0.2	178	28.0		8.1		23.2		78.6		5.4		20.2		4		89				<0.2		2.0	
IM4	Fine	Moderate	11:46	6.9	Surface	1.0	1.0	222	28.6	28.6	8.1	8.1	20.5	20.5	80.6	80.6	5.6	5.5	7.0	11.0	4	4	82	86	819731	804624	<0.2	<0.2	2.0	2.1
						1.0	1.1	237	28.6		8.1		20.5		80.5		5.6		7.1		4		82				<0.2		2.1	
					Middle	3.5	0.8	230	28.2	28.2	8.1	8.1	21.9	21.9	78.0	78.0	5.4		11.0		4		87				<0.2		1.9	
						3.5	0.9	242	28.2		8.1		21.9		78.0		5.4		11.2		4		87				<0.2		2.2	
					Bottom	5.9	0.6	226	28.0	28.0	8.1	8.1	23.2	23.2	77.7	77.8	5.4	5.4	14.8		5		89				<0.2		2.1	
						5.9	0.6	228	28.0		8.1		23.2		77.8		5.4		14.8		5		89				<0.2		2.0	
IM5	Fine	Moderate	11:39	6.6	Surface	1.0	0.3	219	28.5	28.5	8.1	8.1	21.1	21.1	79.6	79.6	5.5	5.5	7.8	8.5	4	5	83	86	820755	804854	<0.2	<0.2	2.0	2.0
						1.0	0.3	223	28.5		8.1		21.1		79.6		5.5		7.9		5		83				<0.2		2.1	
					Middle	3.3	0.3	199	28.1	28.1	8.1	8.1	22.3	22.3	78.9	78.9	5.5		8.9		5		86				<0.2		2.0	
						3.3	0.3	201	28.1		8.1		22.3		78.8		5.4		8.9		4		86				<0.2		2.1	
					Bottom	5.6	0.3	190	27.9	27.9	8.1	8.1	23.1	23.1	78.5	78.6	5.4	5.4	8.6		5		89				<0.2		2.0	
						5.6	0.3	200	27.9		8.1		23.1		78.6		5.4		8.6		6		90				<0.2		2.0	
IM6	Fine	Moderate	11:32	6.7	Surface	1.0	0.3	177	28.5	28.5	8.1	8.1	21.0	21.0	77.5	77.5	5.4	5.4	8.6	10.1	4	5	82	86	821046	805829	<0.2	<0.2	2.0	2.0
						1.0	0.3	194	28.5		8.1		21.0		77.5		5.4		8.7		4		82				<0.2		2.1	
					Middle	3.4	0.2	150	28.3	28.3	8.1	8.1	21.6	21.6	76.9	76.9	5.3		10.5		4		85				<0.2		2.0	
						3.4	0.2	152	28.3		8.1		21.6		76.9		5.3		10.5		5		86				<0.2		2.0	
					Bottom	5.7	0.3	162	28.2	28.2	8.1	8.1	22.2	22.2	77.3	77.3	5.3	5.3	11.1		6		89				<0.2		2.1	
						5.7	0.3	169	28.2		8.1		22.2		77.3		5.3		11.0		5		89				<0.2		2.0	
IM7	Fine	Moderate	11:26	7.9	Surface	1.0	0.3	160	28.6	28.6	8.0	8.0	18.7	18.7	80.5	80.5	5.6	5.5	6.6	10.6	4	5	80	84	821339	806825	<0.2	<0.2	1.9	2.0
						1.0	0.3	162	28.6		8.0		18.7		80.4		5.6		6.6		4		81				<0.2		2.1	
					Middle	4.0	0.2	98	28.4	28.4	8.0	8.0	19.9	19.9	76.6	76.6	5.3		11.7		6		84				<0.2		2.0	
						4.0	0.2	104	28.4		8.0		19.9		76.5		5.3		11.8		5		84				<0.2		2.0	
					Bottom	6.9	0.2	76	28.3	28.3	8.0	8.0	21.8	21.7	76.5	76.5	5.3	5.3	13.4		6		88				<0.2		1.9	
						6.9	0.3	82	28.3		8.0		21.7		76.5		5.3		13.4		7		88				<0.2		2.0	
IM8	Fine	Moderate	11:56	8.6	Surface	1.0	0.1	105	28.3	28.3	8.1	8.1	21.5	21.5	79.2	79.2	5.5	5.5	9.5	12.8	8	10	83	86	821839	808153	<0.2	<0.2	1.8	1.9
						1.0	0.1	111	28.3		8.1		21.5		79.2		5.5		9.5		9		83				<0.2		1.8	
					Middle	4.3	0.2	62	28.0	27.9	8.1	8.1	22.6	22.6	78.2	78.2	5.4		12.4		9		85				<0.2		1.9	
						4.3	0.2	63	27.9		8.1		22.6		78.1		5.4		12.6		10		86				<0.2		1.8	
					Bottom	7.6	0.4	85	27.8	27.8	8.1	8.1	24.5	24.5	77.3	77.3	5.3	5.3	16.3		10		90				<0.2		2.4	
						7.6	0.4	86	27.8		8.1		24.5		77.3		5.3		16.6		11		90				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	12:04	8.2	Surface	1.0	0.1	56	28.6	28.6	8.1	8.1	20.4	20.4	80.0	80.0	5.5	5.5	8.6	14.5	9	10	84	87	822087	808831	<0.2	<0.2	1.8	1.9
						1.0	0.1	56	28.6		8.1		20.4		79.9		5.5		8.8		10		84				<0.2		1.8	
					Middle	4.1	0.3	61	28.2	28.2	8.1	8.1	22.3	22.3	78.3	78.4	5.4		15.8		10		86				<0.2		1.8	
						4.1	0.4	64	28.2		8.1		22.3		78.4		5.4		16.0		10		87				<0.2		1.9	
					Bottom	7.2	0.4	70	27.8	27.8	8.1	8.1	23.9	23.9	78.8	78.9	5.4	5.4	18.8		12		89				<0.2		2.1	
						7.2	0.4	70	27.8		8.1		23.9		78.9		5.4		18.9		11		90				<0.2		2.2	
IM10	Fine	Moderate	12:13	7.7	Surface	1.0	0.3	106	28.5	28.5	8.1	8.1	19.7	19.7	79.8	79.7	5.6	5.5	16.1	18.2	6	10	84	87	822399	809775	<0.2	<0.2	1.9	1.9
						1.0	0.3	111	28.5		8.1		19.7		79.6		5.5		16.7		7		84				<0.2		1.9	
					Middle	3.9	0.2	139	28.2	28.2	8.1	8.1	22.4	22.4	78.2	78.2	5.4		18.0		8		87				<0.2		1.8	
						3.9	0.2	150	28.2		8.1		22.3		78.2		5.4		18.6		9		88				<0.2		1.9	
					Bottom	6.7	0.1	152	28.0	28.0	8.1	8.1	23.3	23.3	78.2	78.2	5.4	5.4	19.9		14		90				<0.2		1.8	
						6.7	0.1	161	28.0		8.1		23.3		78.2		5.4		20.1		14		90				<0.2		1.9	
IM11	Fine	Moderate	12:24	8.8	Surface	1.0	0.2	52	28.5	28.5	8.1	8.1	19.8	19.8	81.3	81.2	5.7	5.5	18.3	20.1	9	10	82	86	822064	811454	<0.2	<0.2	1.9	2.1
						1.0	0.2	55	28.5		8.1		19.8		81.1		5.6		18.1		9		82				<0.2		1.8	
					Middle	4.4	0.1	357	28.0	28.0	8.1	8.1	22.9	22.9	78.3	78.3	5.4		20.0		10		87				<0.2		2.7	
						4.4	0.1	328	28.0		8.1		23.0		78.3		5.4		19.8		9		87				<0.2		2.2	
					Bottom	7.8	0.1	130	28.0	28.0	8.1	8.1	23.3	23.3	79.3	79.4	5.5	5.5	22.1		11		89				<0.2		1.8	
						7.8	0.1	140	28.0		8.1		23.3		79.4		5.5		22.5		11		90				<0.2		1.9	
IM12	Fine	Moderate	12:32	10.3	Surface	1.0	0.4	81	28.7	28.7	8.1	8.1	20.0	20.0	83.6	83.6	5.8	5.7	10.0	15.3	7	8	81	86	821450	812069	<0.2	<0.2	1.9	2.0
						1.0	0.4	81	28.7		8.1		20.0		83.5		5.8		10.2		6		82				<0.2		2.2	
					Middle	5.2	0.2	68	28.0	28.0	8.2	8.2	22.9	22.9	80.3	80.3	5.5		16.1		8		87				<0.2		2.0	
						5.2	0.2	68	28.0		8.2		22.9		80.3		5.5		16.6		8		87				<0.2		1.9	
					Bottom	9.3	0.0	130	28.0	28.0	8.2	8.2	23.3	23.3	80.7	80.8	5.6	5.6	19.6		8		89				<0.2		1.9	
						9.3	0.0	133	28.0		8.2		23.3		80.8		5.6		19.5		9		89				<0.2		1.8	
SR2	Fine	Moderate	12:59	4.9	Surface	1.0	0.1	333	28.2	28.2	8.1	8.1	22.4	22.4	81.2	81.2	5.6	5.6	18.6	19.5	19	19	84	85	821448	814190	<0.2	<0.2	1.9	1.9
						1.0	0.1	334	28.2		8.1		22.4		81.2		5.6		18.6		18		84				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	120	28.1	28.1	8.1	8.1	22.7	22.7	81.8	81.8	5.6	5.6	20.3		20		85				<0.2		1.9	
						3.9	0.1	131	28.1		8.1		22.7		81.8		5.6		20.3		20		86				<0.2		2.0	
SR3	Fine	Moderate	11:49	10.0	Surface	1.0	0.3	144	28.5	28.5	8.1	8.1	21.0	21.0	78.2	78.2	5.4	5.4	9.0	13.8	10	9	-	-	822160	807598	-	-	-	-
						1.0	0.3	146	28.5		8.1		21.0		78.2		5.4		9.0		9		-				-		-	
					Middle	5.0	0.3	60	28.2	28.2	8.1	8.1	22.2	22.2	77.5	77.5	5.4		13.7		9		-				-		-	
						5.0	0.3	61	28.2		8.1		22.2		77.5		5.4		13.8		10		-				-		-	
					Bottom	9.0	0.4	79	27.8	27.8	8.1	8.1	24.3	24.3	77.9	77.9	5.3	5.3	18.8		10		-				-		-	
						9.0	0.4	79	27.8		8.1		24.3		77.9		5.3		18.7		8		-				-		-	
SR4A	Fine	Calm	12:49	9.2	Surface	1.0	0.1	311	28.2	28.2	8.1	8.1	22.1	22.2	80.6	80.6	5.6	5.6	17.3	19.3	4	6	-	-	817213	807789	-	-	-	-
						1.0	0.1	331	28.2		8.1		22.2		80.5		5.6		17.5		5		-				-		-	
					Middle	4.6	0.2	88	28.2	28.2	8.1	8.1	22.4	22.4	80.3	80.3	5.5		18.8		7		-				-		-	
						4.6	0.2	89	28.2		8.1		22.4		80.3		5.5		18.8		6		-				-		-	
					Bottom	8.2	0.2	71	28.1	28.1	8.1	8.1	22.7	22.7	80.2	80.2	5.5	5.5	21.6		7		-				-		-	
						8.2	0.2	71	28.1		8.1		22.7		80.2		5.5		21.5		7		-				-		-	
SR5A	Fine	Calm	13:07	5.1	Surface	1.0	0.0	255	28.4	28.4	8.1	8.1	23.2	23.2	84.8	84.8	5.8	5.8	5.5	5.8	5	5	-	-	816613	810680	-	-	-	-
						1.0	0.0	259	28.4		8.1		23.2		84.7		5.8		5.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	250	28.3	28.3	8.1	8.1	23.4	23.4	84.0	84.0	5.7	5.7	6.0		4		-				-		-	
						4.1	0.1	263	28.3		8.1		23.4		83.9		5.7		6.0		6		-				-		-	
SR6	Fine	Calm	13:30	4.8	Surface	1.0	0.1	90	28.5	28.5	8.1	8.1	22.8	22.7	87.1	87.1	6.0	6.0	3.6	3.7	5	6	-	-	817905	814687	-	-	-	-
						1.0	0.1	98	28.5		8.1		22.7		87.1		6.0		3.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	99	28.2	28.2	8.1	8.1	24.0	24.0	86.0	86.1	5.9	5.9	3.9		6		-				-		-	
						3.8	0.1	107	28.2		8.1		24.0		86.1		5.9		3.9		7		-				-		-	
SR7	Fine	Moderate	13:46	16.4	Surface	1.0	0.1	7	28.5	28.5	8.1	8.1	22.5	22.5	86.0	85.9	5.9	5.8	4.1	6.9	7	9	-	-	823665	823719	-	-	-	-
						1.0	0.1	7	28.5		8.1		22.5		85.8		5.9		4.1		8		-				-		-	
					Middle	8.2	0.2	67	28.1	28.1	8.1	8.1	24.4	24.4	82.3	82.3	5.6		6.9		9		-				-		-	
						8.2	0.2	69	28.1		8.1		24.4		82.3		5.6		7.1		9		-				-		-	
					Bottom	15.4	0.3	131	28.0	28.0	8.1	8.1	25.1	25.1	81.9	81.9	5.6	5.6	9.6		10		-				-		-	
						15.4	0.3	140	28.0		8.1		25.1		81.9		5.6		9.6		8		-				-		-	
SR8	Fine	Moderate	12:44	5.6	Surface	1.0	-	-	28.6	28.6	8.1	8.1	21.6	21.6	86.0	86.0	5.9	5.9	11.0	13.2	5	6	-	-	820523	811633	-	-	-	-
						1.0	-	-	28.6		8.1		21.6		86.0		5.9		11.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	28.3	28.3	8.1	8.1	22.7	22.7	87.6	87.7	6.0	6.0	15.4		6		-				-		-	
						4.6	-	-	28.3		8.1		22.7		87.7		6.0		15.3		6		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by mooring. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	18:45	8.3	Surface	1.0	0.3	66	28.3	28.3	8.1	8.1	21.3	21.3	92.1	92.3	6.4	5.9	7.4	12.4	5	6	83	86	815624	804220	<0.2	<0.2	1.8	1.9
						1.0	0.3	70	28.3		8.1		21.3		92.5		6.4		7.3		4		83				<0.2		1.8	
					Middle	4.2	0.4	54	28.1	28.1	8.1	8.1	22.9	22.9	77.6	77.6	5.3		13.2		5		86				<0.2		2.0	
						4.2	0.4	58	28.1		8.1		22.9		77.6		5.3		13.5		6		86				<0.2		1.9	
					Bottom	7.3	0.4	58	28.1	28.1	8.1	8.1	23.3	23.3	77.3	77.4	5.3	5.3	16.4		7		89				<0.2		2.0	
						7.3	0.4	59	28.1		8.1		23.3		77.4		5.3		16.4		7		90				<0.2		1.9	
C2	Cloudy	Moderate	20:40	12.8	Surface	1.0	0.3	161	28.6	28.6	8.0	8.0	18.3	18.3	84.0	84.0	5.9	5.7	5.9	11.3	4	4	80	86	825684	806965	<0.2	<0.2	1.8	2.1
						1.0	0.3	165	28.6		8.0		18.3		84.0		5.9		6.0		3		80				<0.2		1.9	
					Middle	6.4	0.5	170	28.1	28.1	8.1	8.1	22.2	22.2	78.9	78.9	5.5		12.4		5		85				<0.2		2.1	
						6.4	0.5	177	28.1		8.1		22.2		78.8		5.5		12.6		4		85				<0.2		2.3	
					Bottom	11.8	0.3	164	28.0	28.0	8.1	8.1	25.3	25.3	76.0	76.0	5.2	5.2	15.4		5		92				<0.2		2.2	
						11.8	0.3	177	28.0		8.1		25.3		76.0		5.2		15.7		5		91				<0.2		2.4	
C3	Cloudy	Moderate	18:19	12.1	Surface	1.0	0.4	108	27.8	27.8	8.1	8.1	25.3	25.3	77.3	77.2	5.3	5.2	8.4	14.8	7	7	84	88	822093	817789	<0.2	<0.2	2.2	2.1
						1.0	0.4	117	27.8		8.1		25.3		77.1		5.3		8.6		6		84				<0.2		2.0	
					Middle	6.1	0.3	106	27.6	27.6	8.1	8.1	27.0	27.0	75.5	75.5	5.1		11.9		8		87				<0.2		2.1	
						6.1	0.3	116	27.6		8.1		27.0		75.4		5.1		12.0		8		87				<0.2		2.2	
					Bottom	11.1	0.4	63	27.5	27.5	8.1	8.1	27.6	27.6	74.6	74.6	5.1	5.1	23.9		7		92				<0.2		2.0	
						11.1	0.4	66	27.5		8.1		27.6		74.6		5.1		24.0		8		91				<0.2		2.1	
IM1	Cloudy	Moderate	19:07	3.9	Surface	1.0	0.1	11	28.4	28.4	8.1	8.1	19.3	19.3	84.9	84.9	5.9	5.9	5.0	5.6	8	8	81	83	817960	807141	<0.2	<0.2	2.4	2.4
						1.0	0.1	11	28.4		8.1		19.3		84.9		5.9		5.0		8		81				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	327	28.3	28.3	8.1	8.1	21.5	21.5	84.0	84.0	5.8	5.8	6.1		8		86				<0.2		2.4	
						2.9	0.0	358	28.3		8.1		21.5		84.0		5.8		6.1		8		85				<0.2		2.4	
IM2	Cloudy	Moderate	19:13	6.6	Surface	1.0	0.2	56	28.4	28.4	8.1	8.1	20.1	20.1	82.7	82.7	5.8	5.7	6.4	7.4	3	4	82	85	818165	806142	<0.2	<0.2	2.6	2.5
						1.0	0.2	61	28.4		8.1		20.1		82.6		5.8		6.4		3		82				<0.2		2.2	
					Middle	3.3	0.2	22	28.3	28.3	8.1	8.1	21.3	21.3	81.0	81.0	5.6		7.2		4		86				<0.2		2.6	
						3.3	0.3	23	28.3		8.1		21.3		80.9		5.6		7.3		4		85				<0.2		2.2	
					Bottom	5.6	0.2	30	28.2	28.2	8.1	8.1	22.8	22.8	79.7	79.8	5.5	5.5	8.7		4		88				<0.2		2.7	
						5.6	0.2	31	28.2		8.1		22.8		79.8		5.5		8.6		4		89				<0.2		2.5	
IM3	Cloudy	Moderate	19:22	6.8	Surface	1.0	0.3	53	28.4	28.4	8.1	8.1	20.1	20.1	81.0	81.0	5.6	5.6	8.4	11.8	4	5	82	85	818789	805572	<0.2	<0.2	2.1	2.1
						1.0	0.3	56	28.4		8.1		20.1		81.0		5.6		8.4		5		82				<0.2		2.2	
					Middle	3.4	0.3	32	28.2	28.2	8.1	8.1	21.1	21.1	79.1	79.1	5.5		12.1		5		85				<0.2		2.0	
						3.4	0.3	33	28.2		8.1		21.1		79.1		5.5		12.3		6		86				<0.2		1.9	
					Bottom	5.8	0.2	0	28.2	28.2	8.1	8.1	22.1	22.1	79.3	79.4	5.5	5.5	15.0		6		88				<0.2		2.0	
						5.8	0.2	0	28.2		8.1		22.1		79.5		5.5		14.5		6		88				<0.2		2.3	
IM4	Cloudy	Moderate	19:32	7.0	Surface	1.0	0.2	38	28.6	28.6	8.1	8.1	19.3	19.3	82.0	82.0	5.7	5.7	5.6	7.2	4	5	81	84	819734	804579	<0.2	<0.2	2.5	2.2
						1.0	0.3	39	28.6		8.1		19.3		82.0		5.7		5.6		5		81				<0.2		2.3	
					Middle	3.5	0.1	61	28.3	28.3	8.1	8.1	20.0	20.0	80.7	80.7	5.6		7.1		5		84				<0.2		2.2	
						3.5	0.1	66	28.3		8.1		20.0		80.7		5.6		7.2		5		84				<0.2		2.1	
					Bottom	6.0	0.1	80	27.9	27.9	8.1	8.1	22.7	22.7	79.9	79.9	5.5	5.5	8.8		6		88				<0.2		2.0	
						6.0	0.1	80	27.9		8.1		22.8		79.9		5.5		8.9		5		88				<0.2		2.0	
IM5	Cloudy	Moderate	19:42	6.3	Surface	1.0	0.2	44	28.4	28.4	8.1	8.1	19.2	19.2	81.8	81.8	5.7	5.7	6.2	8.5	3	4	81	85	820732	804867	<0.2	<0.2	2.2	2.1
						1.0	0.2	45	28.4		8.1		19.2		81.7		5.7		6.2		3		82				<0.2		1.9	
					Middle	3.2	0.1	60	28.2	28.2	8.1	8.1	20.3	20.3	80.0	80.0	5.6		7.7		4		84				<0.2		1.8	
						3.2	0.1	60	28.2		8.1		20.3		79.9		5.6		7.7		3		84				<0.2		2.0	
					Bottom	5.3	0.1	76	27.9	27.9	8.1	8.1	23.5	23.5	78.6	78.7	5.4	5.4	11.5		4		89				<0.2		2.3	
						5.3	0.1	76	27.9		8.1		23.5		78.7		5.4		11.5		5		89				<0.2		2.1	
IM6	Cloudy	Moderate	19:55	6.2	Surface	1.0	0.2	59	28.4	28.4	8.1	8.1	20.8	20.8	80.1	80.1	5.6	5.6	8.3	9.0	3	3	82	85	821087	805839	<0.2	<0.2	2.4	2.5
						1.0	0.2	59	28.4		8.1		20.9		80.1		5.6		8.4		3		82				<0.2		2.3	
					Middle	3.1	0.3	72	28.1	28.1	8.1	8.1	21.4	21.4	79.6	79.6	5.5		9.0		3		85				<0.2		3.0	
						3.1	0.3	74	28.1		8.1		21.4		79.5		5.5		9.1		3		85				<0.2		2.6	
					Bottom	5.2	0.2	111	27.9	27.9	8.1	8.1	23.1	23.1	79.4	79.4	5.5	5.5	9.6		3		89				<0.2		2.6	
						5.2	0.2	117	27.9		8.1		23.1		79.4		5.5		9.5		4		89				<0.2		2.2	
IM7	Cloudy	Moderate	20:01	7.2	Surface	1.0	0.2	33	28.5	28.5	8.1	8.1	18.4	18.4	84.4	84.4	5.9	5.9	5.0	5.9	4	6	80	84	821327	806853	<0.2	<0.2	2.5	2.4
						1.0	0.2	36	28.5		8.1		18.4		84.4		5.9		5.0		5		80				<0.2		2.7	
					Middle	3.6	0.2	70	28.3	28.3	8.1	8.1	19.7	19.7	83.8	83.8	5.9		6.3		6		84				<0.2		2.3	
						3.6	0.3	71	28.3		8.1		19.7		83.8		5.9		6.3		6		84				<0.2		2.5	
					Bottom	6.2	0.3	105	28.2	28.2	8.1	8.1	21.8	21.8	83.8	83.9	5.8	5.8	6.5		7		87				<0.2		2.2	
						6.2	0.3	113	28.2		8.1		21.8		83.9		5.8		6.4		6		87				<0.2		2.2	
IM8	Cloudy	Moderate	20:08	8.9	Surface	1.0	0.4	134	28.6	28.6	8.1	8.1	19.1	19.1	83.2	83.2	5.8	5.7	5.6	11.0	2	3	81	85	821843	808122	<0.2	<0.2	2.3	2.2
						1.0	0.4	134	28.6		8.1		19.1		83.1		5.8		5.6		2		81				<0.2		2.6	
					Middle	4.5	0.3	110	28.1	28.0	8.1	8.1	21.3	21.3	79.2	79.2	5.5		10.0		2		85				<0.2		1.8	
						4.5	0.3	119	28.0		8.1		21.3		79.1		5.5		10.1		3		85				<0.2		1.8	
					Bottom	7.9	0.3	87	27.8	27.8	8.1	8.1	24.2	24.2	76.1	76.1	5.2	5.2	17.1		4		90				<0.2		2.0	
						7.9	0.3	92	27.8		8.1		24.2		76.1		5.2		17.3		3		90				<0.2		2.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	20:00	8.4	Surface	1.0	0.5	129	28.6	28.6	8.0	8.0	19.3	19.3	82.1	82.1	5.7	5.7	5.6	10.6	4	4	81	85	822071	808808	<0.2	<0.2	2.5	2.2
						1.0	0.5	141	28.6		8.0		19.3		82.1				5.6		4		81				<0.2		2.4	
					Middle	4.2	0.4	125	28.2	28.2	8.1	8.1	20.7	20.7	80.5	80.5	5.6		7.2		4		84				<0.2		2.1	
						4.2	0.4	136	28.2		8.1		20.7		80.5		5.6		7.3		5		84				<0.2		2.1	
					Bottom	7.4	0.4	92	27.9	27.9	8.1	8.1	23.4	23.4	79.1	79.1	5.5	5.5	18.9		4		89				<0.2		1.8	
						7.4	0.4	95	27.9		8.1		23.4		79.1		5.5		18.8		5		89				<0.2		2.0	
IM10	Cloudy	Moderate	19:51	8.7	Surface	1.0	0.7	120	28.4	28.4	8.1	8.1	20.1	20.1	81.3	81.3	5.7	5.5	8.9	14.1	4	5	82	86	822376	809794	<0.2	<0.2	2.0	1.7
						1.0	0.7	126	28.4		8.1		20.1		81.2		5.6		8.9		4		82				<0.2		1.6	
					Middle	4.4	0.6	115	28.1	28.1	8.1	8.1	21.9	21.9	78.5	78.5	5.4		15.1		6		86				<0.2		1.7	
						4.4	0.6	125	28.1		8.1		21.9		78.5		5.4		15.1		5		86				<0.2		1.5	
					Bottom	7.7	0.5	99	28.2	28.2	8.1	8.1	22.1	22.1	78.5	78.5	5.4	5.4	18.0		5		88				<0.2		1.6	
						7.7	0.5	104	28.2		8.1		22.1		78.5		5.4		18.5		6		89				<0.2		1.7	
IM11	Cloudy	Moderate	19:37	9.1	Surface	1.0	0.8	113	28.4	28.4	8.1	8.1	20.1	20.1	81.8	81.8	5.7	5.6	7.0	10.6	4	5	82	86	822083	811477	<0.2	<0.2	1.6	1.6
						1.0	0.9	119	28.4		8.1		20.1		81.7		5.7		7.1		4		82				<0.2		1.6	
					Middle	4.6	0.7	105	28.2	28.2	8.1	8.1	22.2	22.2	79.5	79.5	5.5		9.0		4		86				<0.2		1.4	
						4.6	0.7	113	28.2		8.1		22.2		79.5		5.5		9.1		6		87				<0.2		1.6	
					Bottom	8.1	0.5	100	28.1	28.1	8.1	8.1	24.0	24.0	77.5	77.5	5.3	5.3	15.8		6		89				<0.2		1.7	
						8.1	0.6	100	28.1		8.1		24.0		77.5		5.3		15.7		6		89				<0.2		1.7	
IM12	Cloudy	Moderate	19:28	10.9	Surface	1.0	0.8	108	28.4	28.4	8.1	8.1	19.3	19.3	83.6	83.6	5.8	5.7	5.5	9.1	4	6	81	86	821460	812018	<0.2	<0.2	1.6	1.7
						1.0	0.8	109	28.4		8.1		19.3		83.5		5.8		5.6		5		82				<0.2		1.6	
					Middle	5.5	0.6	96	28.2	28.2	8.1	8.1	22.3	22.3	79.4	79.4	5.5		9.4		7		87				<0.2		1.7	
						5.5	0.7	102	28.2		8.1		22.3		79.4		5.5		9.5		6		87				<0.2		1.6	
					Bottom	9.9	0.4	89	28.1	28.1	8.1	8.1	23.5	23.5	78.8	78.8	5.4	5.4	12.4		6		89				<0.2		1.7	
						9.9	0.4	97	28.1		8.1		23.5		78.8		5.4		12.4		6		89				<0.2		1.7	
SR2	Cloudy	Moderate	18:43	5.6	Surface	1.0	0.5	73	28.3	28.3	8.1	8.1	21.1	21.1	80.6	80.6	5.6	5.6	7.6	12.8	4	6	83	85	821465	814149	<0.2	<0.2	1.7	1.7
						1.0	0.5	77	28.3		8.1		21.1		80.5		5.6		7.7		5		83				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.3	66	28.0	28.0	8.1	8.1	24.2	24.2	77.2	77.3	5.3	5.3	18.0		6		87				<0.2		1.7	
						4.6	0.3	70	28.0		8.1		24.2		77.3		5.3		17.9		7		88				<0.2		1.7	
SR3	Cloudy	Moderate	20:16	10.2	Surface	1.0	0.2	192	28.4	28.4	8.1	8.1	20.7	20.7	80.5	80.5	5.6	5.6	7.5	10.9	4	6	-	-	822146	807595	-	-	-	-
						1.0	0.2	203	28.4		8.1		20.7		80.5		5.6		7.5		5		-				-		-	
					Middle	5.1	0.2	181	28.0	28.0	8.1	8.1	22.0	22.0	79.6	79.6	5.5		9.0		7		-				-		-	
						5.1	0.2	189	28.0		8.1		22.0		79.6		5.5		9.0		6		-				-		-	
					Bottom	9.2	0.1	105	27.8	27.8	8.1	8.1	23.7	23.7	77.5	77.5	5.3	5.3	16.3		8		-				-		-	
						9.2	0.1	105	27.8		8.1		23.7		77.5		5.3		16.3		8		-				-		-	
SR4A	Cloudy	Calm	18:27	8.4	Surface	1.0	0.4	87	28.3	28.3	8.1	8.1	20.9	20.8	81.0	80.9	5.6	5.5	8.2	14.9	7	8	-	-	817195	807823	-	-	-	-
						1.0	0.4	92	28.3		8.1		20.8		80.8		5.6		8.4		7		-				-		-	
					Middle	4.2	0.4	76	28.1	28.1	8.1	8.1	22.1	22.1	76.5	76.5	5.3		15.4		9		-				-		-	
						4.2	0.4	81	28.1		8.1		22.1		76.4		5.3		15.9		9		-				-		-	
					Bottom	7.4	0.3	70	28.0	28.0	8.1	8.1	24.7	24.7	75.9	75.9	5.2	5.2	21.0		8		-				-		-	
						7.4	0.3	72	28.0		8.1		24.7		75.9		5.2		20.6		9		-				-		-	
SR5A	Cloudy	Calm	18:13	3.8	Surface	1.0	0.1	97	27.9	27.9	8.1	8.1	24.8	24.8	80.4	80.4	5.5	5.5	4.6	5.3	4	4	-	-	816600	810671	-	-	-	-
						1.0	0.1	105	27.9		8.1		24.8		80.4		5.5		4.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	64	27.8	27.8	8.1	8.1	25.7	25.7	79.8	79.8	5.4	5.4	6.0		5		-				-		-	
						2.8	0.1	69	27.8		8.1		25.7		79.8		5.4		5.8		4		-				-		-	
SR6	Cloudy	Calm	17:49	4.3	Surface	1.0	0.1	277	27.9	27.9	8.1	8.1	25.1	25.1	77.9	77.9	5.3	5.3	5.2	5.7	4	5	-	-	817898	814683	-	-	-	-
						1.0	0.1	291	27.9		8.1		25.1		77.8		5.3		5.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	67	27.8	27.8	8.1	8.1	26.2	26.2	77.3	77.3	5.3	5.3	6.1		5		-				-		-	
						3.3	0.1	70	27.8		8.1		26.2		77.3		5.3		6.0		5		-				-		-	
SR7	Cloudy	Moderate	17:50	16.5	Surface	1.0	0.7	68	27.8	27.8	8.1	8.1	25.2	25.2	76.7	76.7	5.2	5.2	6.2	8.7	3	5	-	-	823625	823714	-	-	-	-
						1.0	0.7	72	27.8		8.1		25.2		76.7		5.2		6.3		2		-				-		-	
					Middle	8.3	0.4	55	27.7	27.7	8.1	8.1	26.8	26.8	75.2	75.2	5.1		8.4		6		-				-		-	
						8.3	0.4	58	27.7		8.1		26.8		75.2		5.1		8.5		5		-				-		-	
					Bottom	15.5	0.3	21	27.6	27.6	8.1	8.1	27.1	27.1	74.8	74.8	5.1	5.1	11.2		5		-				-		-	
						15.5	0.3	21	27.6		8.1		27.1		74.8		5.1		11.3		6		-				-		-	
SR8	Cloudy	Moderate	19:13	5.9	Surface	1.0	-	-	28.3	28.3	8.1	8.1	21.3	21.3	79.7	79.7	5.5	5.5	9.7	11.7	6	6	-	-	820495	811675	-	-	-	-
						1.0	-	-	28.3		8.1		21.3		79.6		5.5		9.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	-	-	28.1	28.1	8.1	8.1	23.3	23.3	77.6	77.6	5.3	5.3	13.7		6		-				-		-	
						4.9	-	-	28.1		8.1		23.3		77.6		5.3		13.7		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by mooring. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	13:37	9.6	Surface	1.0	0.0	304	28.2	28.2	8.1	8.1	18.8	18.8	82.5	82.5	5.8	5.6	7.5	13.0	7	7	80	86	815590	804230	<0.2	<0.2	1.7	1.8
						1.0	0.0	304	28.2		8.1		18.8		82.5		5.8		7.6				81				<0.2		1.8	
					Middle	4.8	0.1	222	27.5	27.5	8.1	8.1	26.3	26.3	78.3	78.4	5.3		12.6				85				<0.2		1.8	
						4.8	0.1	233	27.5		8.1		26.3		78.4		5.4		12.9				86				<0.2		1.7	
					Bottom	8.6	0.1	227	27.5	27.5	8.1	8.1	27.8	27.8	83.2	83.4	5.6	5.7	18.9				91				<0.2		1.9	
						8.6	0.1	249	27.5		8.1		27.8		83.6		5.7		18.5				92				<0.2		1.9	
C2	Fine	Moderate	12:35	13.2	Surface	1.0	0.2	50	28.7	28.7	8.1	8.1	18.2	18.2	78.3	78.3	5.5	5.4	13.6	18.8	7	7	87	90	825680	806940	<0.2	<0.2	2.4	2.6
						1.0	0.2	53	28.7		8.1		18.2		78.3		5.5		13.7				86				<0.2		2.4	
					Middle	6.6	0.1	314	28.4	28.4	8.1	8.1	20.5	20.5	75.0	75.0	5.2		17.4				90				<0.2		2.5	
						6.6	0.1	342	28.4		8.1		20.5		74.9		5.2		17.0				91				<0.2		2.6	
					Bottom	12.2	0.0	268	28.1	28.1	8.1	8.1	23.3	23.3	74.3	74.3	5.1	5.1	25.6				94				<0.2		2.9	
						12.2	0.0	284	28.1		8.1		23.3		74.3		5.1		25.5				94				<0.2		2.7	
C3	Fine	Moderate	14:17	11.1	Surface	1.0	0.4	62	28.6	28.6	8.1	8.1	22.3	22.3	80.1	80.1	5.5	5.4	9.0	9.2	10	10	86	90	822087	817792	<0.2	<0.2	2.8	2.9
						1.0	0.5	63	28.6		8.1		22.3		80.0		5.5		9.0				86				<0.2		3.0	
					Middle	5.6	0.4	103	28.2	28.2	8.1	8.1	23.5	23.5	76.2	76.2	5.2		9.1				90				<0.2		3.2	
						5.6	0.4	103	28.2		8.1		23.5		76.2		5.2		9.1				90				<0.2		2.8	
					Bottom	10.1	0.3	68	28.0	28.0	8.2	8.2	25.1	25.1	75.5	75.6	5.1	5.2	9.4				93				<0.2		2.7	
						10.1	0.4	68	28.0		8.2		25.1		75.6		5.2		9.4				93				<0.2		2.7	
IM1	Cloudy	Moderate	13:17	5.7	Surface	1.0	0.0	18	28.5	28.5	8.1	8.1	18.9	18.9	85.3	85.3	6.0	6.0	9.0	9.9	9	9	78	81	817958	807160	<0.2	<0.2	1.9	1.9
						1.0	0.0	19	28.5		8.1		18.9		85.3		6.0		9.2				80				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-				-				-		-	
						-	-	-	-		-		-		-		-		-				-				-		-	
					Bottom	4.7	0.1	203	28.2	28.2	8.1	8.1	21.8	21.8	86.9	87.1	6.0	6.0	10.8				82				<0.2		1.8	
						4.7	0.1	204	28.2		8.1		21.8		87.3		6.0		10.7				85				<0.2		2.0	
IM2	Cloudy	Moderate	13:10	8.4	Surface	1.0	0.2	30	28.4	28.4	8.1	8.1	19.9	19.9	81.4	81.4	5.7	5.7	9.4	11.7	10	10	86	89	818134	806179	<0.2	<0.2	1.8	1.8
						1.0	0.2	31	28.4		8.1		19.9		81.4		5.7		9.5				86				<0.2		1.8	
					Middle	4.2	0.2	49	28.1	28.1	8.1	8.1	21.4	21.4	80.2	80.3	5.6		12.9				89				<0.2		1.8	
						4.2	0.2	51	28.1		8.1		21.4		80.3		5.6		13.0				89				<0.2		1.7	
					Bottom	7.4	0.3	55	27.7	27.7	8.1	8.1	24.6	24.6	83.6	83.7	5.7	5.8	12.6				93				<0.2		1.8	
						7.4	0.3	57	27.8		8.1		24.6		83.8		5.8		12.5				93				<0.2		1.8	
IM3	Cloudy	Moderate	13:03	8.6	Surface	1.0	0.3	33	28.4	28.4	8.1	8.1	17.4	17.4	80.8	80.8	5.7	5.5	7.2	9.7	8	8	83	88	818808	805620	<0.2	<0.2	1.9	1.9
						1.0	0.3	35	28.4		8.1		17.4		80.8		5.7		7.2				85				<0.2		1.9	
					Middle	4.3	0.3	57	27.7	27.7	8.1	8.1	25.1	25.1	76.4	76.4	5.2		10.1				89				<0.2		1.9	
						4.3	0.4	59	27.7		8.1		25.2		76.4		5.2		10.2				90				<0.2		1.9	
					Bottom	7.6	0.2	60	27.7	27.7	8.1	8.1	25.6	25.6	77.4	77.5	5.3	5.3	11.9				91				<0.2		1.9	
						7.6	0.2	60	27.7		8.1		25.6		77.5		5.3		11.8				92				<0.2		1.8	
IM4	Cloudy	Moderate	12:54	8.8	Surface	1.0	0.2	25	28.5	28.5	8.1	8.1	20.7	20.7	79.8	79.8	5.5	5.5	10.6	12.7	8	8	86	88	819750	804632	<0.2	<0.2	2.1	2.1
						1.0	0.2	26	28.5		8.1		20.7		79.8		5.5		10.9				86				<0.2		2.1	
					Middle	4.4	0.2	3	27.9	27.9	8.1	8.1	23.5	23.5	78.5	78.6	5.4		13.1				87				<0.2		2.0	
						4.4	0.2	3	27.9		8.1		23.5		78.6		5.4		13.1				88				<0.2		2.1	
					Bottom	7.8	0.2	25	27.8	27.8	8.1	8.1	25.1	25.1	84.1	84.5	5.8	5.8	14.3				89				<0.2		2.1	
						7.8	0.3	26	27.8		8.1		25.1		84.9		5.8		14.2				89				<0.2		2.2	
IM5	Cloudy	Moderate	12:47	8.2	Surface	1.0	0.5	20	28.5	28.5	8.1	8.1	19.6	19.6	80.2	80.2	5.6	5.5	11.4	13.0	9	9	81	86	820712	804872	<0.2	<0.2	2.2	2.3
						1.0	0.5	20	28.5		8.1		19.6		80.1		5.6		11.6				81				<0.2		2.1	
					Middle	4.1	0.3	19	27.9	27.9	8.1	8.1	23.1	23.1	78.6	78.6	5.4		12.4				87				<0.2		2.9	
						4.1	0.3	20	27.9		8.1		23.1		78.6		5.4		12.9				87				<0.2		2.2	
					Bottom	7.2	0.3	37	27.9	27.9	8.1	8.1	23.4	23.4	84.2	84.4	5.8	5.8	14.9				89				<0.2		2.1	
						7.2	0.3	39	27.9		8.1		23.4		84.6		5.8		14.5				90				<0.2		2.2	
IM6	Cloudy	Moderate	12:39	8.1	Surface	1.0	0.1	356	28.4	28.4	8.1	8.1	20.5	20.6	79.4	79.3	5.5	5.5	9.9	11.5	13	13	81	86	821057	805817	<0.2	<0.2	2.2	2.2
						1.0	0.1	328	28.4		8.1		20.6		79.1		5.5		9.9				82				<0.2		2.3	
					Middle	4.1	0.1	60	28.2	28.2	8.1	8.1	21.6	21.6	79.8	79.9	5.5		10.3				84				<0.2		2.3	
						4.1	0.1	60	28.2		8.1		21.6		79.9		5.5		10.4				86				<0.2		2.2	
					Bottom	7.1	0.1	69	28.2	28.2	8.0	8.0	21.7	21.7	85.2	85.4	5.9	5.9	14.3				91				<0.2		2.2	
						7.1	0.1	70	28.2		8.0		21.7		85.5		5.9		14.2				91				<0.2		2.2	
IM7	Cloudy	Moderate	12:30	9.5	Surface	1.0	0.2	23	28.7	28.7	8.0	8.0	16.8	16.8	81.1	81.1	5.7	5.7	5.5	8.1	8	8	81	88	821350	806823	<0.2	<0.2	2.2	2.1
						1.0	0.2	23	28.7		8.0		16.8		81.1		5.7		5.6				82				<0.2		2.0	
					Middle	4.8	0.1	25	28.4	28.4	8.0	8.0	19.8	19.8	82.2	82.3	5.7		9.1				88				<0.2		2.1	
						4.8	0.1	26	28.4		8.0		19.9		82.3		5.7		9.2				89				<0.2		2.0	
					Bottom	8.5	0.1	311	28.3	28.3	8.0	8.0	20.2	20.1	87.3	87.5	6.1	6.1	9.7				92				<0.2		2.0	
						8.5	0.1	313	28.3		8.0		20.1		87.7		6.1		9.6				93				<0.2		2.1	
IM8	Fine	Moderate	13:01	8.6	Surface	1.0	0.2	114	28.6	28.6	8.1	8.1	18.1	18.1	79.8	79.8	5.6	5.5	9.9	14.1	7	7	87	91	821858	808161	<0.2	<0.2	2.5	2.6
						1.0	0.2	115	28.6		8.1		18.1		79.8		5.6		9.9				87				<0.2		2.5	
					Middle	4.3	0.3	75	28.5	28.5	8.1	8.1	19.2	19.2	78.0	78.0	5.4		12.7				91				<0.2		2.6	
						4.3	0.3	78	28.5		8.1		19.2		78.0		5.4		12.7				91				<0.2		2.6	
					Bottom	7.6	0.3	104	28.3	28.3	8.1	8.1	21.1	21.1	76.4	76.4	5.3	5.3	19.6				94				<0.2		2.6	
						7.6	0.3	112	28.3		8.1		21.1		76.4		5.3		19.6				95				<0.2		2.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	13:08	8.3	Surface	1.0	0.5	106	28.6	28.6	8.1	8.1	17.1	17.1	78.7	78.7	5.5	5.5	9.8	16.2	5	6	86	91	822067	808791	<0.2	<0.2	2.3	2.3
						1.0	0.5	111	28.6		8.1		17.1		78.7		5.5		9.8		5		87				<0.2		2.3	
					Middle	4.2	0.4	83	28.5	28.5	8.1	8.1	19.2	19.2	78.3	78.3	5.5		12.8		6		92				<0.2		2.3	
						4.2	0.5	83	28.5		8.1		19.2		78.3		5.5		12.9		5		91				<0.2		2.3	
					Bottom	7.3	0.4	86	28.3	28.3	8.1	8.1	20.9	20.9	76.7	76.7	5.3	5.3	25.9		6		95				<0.2		2.2	
						7.3	0.4	92	28.3		8.1		20.9		76.7		5.3		25.8		7		95				<0.2		2.4	
IM10	Fine	Moderate	13:15	8.2	Surface	1.0	0.6	96	28.7	28.7	8.1	8.1	17.4	17.3	81.1	81.1	5.7	5.6	9.3	17.9	4	6	87	91	822372	809815	<0.2	<0.2	2.5	2.4
						1.0	0.7	98	28.7		8.1		17.3		81.1		5.7		9.3		5		87				<0.2		2.3	
					Middle	4.1	0.5	97	28.4	28.4	8.1	8.1	20.5	20.5	77.5	77.5	5.4		16.9		6		92				<0.2		2.5	
						4.1	0.5	102	28.4		8.1		20.5		77.5		5.4		16.9		6		91				<0.2		2.4	
					Bottom	7.2	0.3	92	28.3	28.3	8.2	8.2	21.1	21.1	76.6	76.6	5.3	5.3	27.4		7		95				<0.2		2.4	
						7.2	0.3	100	28.3		8.2		21.1		76.6		5.3		27.4		8		95				<0.2		2.4	
IM11	Fine	Moderate	13:25	7.4	Surface	1.0	0.6	109	28.6	28.6	8.1	8.1	18.2	18.2	79.0	79.0	5.5	5.4	9.6	11.5	4	6	88	91	822081	811434	<0.2	<0.2	2.9	2.5
						1.0	0.7	118	28.6		8.1		18.2		79.0		5.5		9.6		5		87				<0.2		2.5	
					Middle	3.7	0.5	87	28.4	28.4	8.2	8.2	20.3	20.3	76.6	76.7	5.3		11.9		5		91				<0.2		2.4	
						3.7	0.5	91	28.4		8.2		20.3		76.7		5.3		11.9		6		91				<0.2		2.4	
					Bottom	6.4	0.5	114	28.3	28.3	8.2	8.2	21.6	21.6	76.1	76.1	5.3	5.3	13.1		9		96				<0.2		2.5	
						6.4	0.5	123	28.3		8.2		21.6		76.1		5.3		13.1		8		95				<0.2		2.4	
IM12	Fine	Moderate	13:32	10.0	Surface	1.0	0.6	111	28.5	28.5	8.1	8.1	19.1	19.1	79.1	79.2	5.5	5.5	10.9	13.6	7	8	87	91	821483	812060	<0.2	<0.2	2.7	2.6
						1.0	0.6	114	28.5		8.1		19.1		79.2		5.5		10.9		7		87				<0.2		2.6	
					Middle	5.0	0.5	91	28.5	28.5	8.3	8.3	20.3	20.3	78.0	78.1	5.4		13.0		7		92				<0.2		2.6	
						5.0	0.6	97	28.5		8.3		20.3		78.1		5.4		13.1		8		91				<0.2		2.5	
					Bottom	9.0	0.3	100	28.4	28.4	8.3	8.3	21.0	20.9	78.0	78.1	5.4	5.4	16.8		8		95				<0.2		2.5	
						9.0	0.3	107	28.4		8.3		20.9		78.1		5.4		16.8		8		94				<0.2		2.5	
SR2	Fine	Moderate	13:58	4.5	Surface	1.0	0.5	94	28.6	28.6	8.2	8.2	19.3	19.3	79.7	79.7	5.6	5.6	10.8	12.4	8	8	87	89	821472	814149	<0.2	<0.2	2.7	2.7
						1.0	0.5	97	28.6		8.2		19.3		79.7		5.6		10.8		7		87				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	81	28.3	28.3	8.2	8.2	21.8	21.8	75.5	75.5	5.2	5.2	14.0		9		92				<0.2		2.5	
						3.5	0.3	83	28.3		8.2		21.8		75.5		5.2		14.0		9		91				<0.2		2.6	
SR3	Fine	Moderate	12:56	8.9	Surface	1.0	0.4	113	28.6	28.6	8.1	8.1	18.8	18.8	80.8	80.8	5.6	5.6	10.2	11.2	5	7	-	-	822157	807591	-	-	-	-
						1.0	0.4	120	28.6		8.1		18.8		80.7		5.6		10.3		5		-				-		-	
					Middle	4.5	0.4	92	28.4	28.4	8.1	8.1	20.0	20.0	78.3	78.4	5.5		11.4		7		-				-		-	
						4.5	0.4	99	28.4		8.1		20.0		78.4		5.5		11.4		7		-				-		-	
					Bottom	7.9	0.3	78	28.4	28.4	8.1	8.1	20.3	20.3	78.7	78.8	5.5	5.5	12.0		7		-				-		-	
						7.9	0.3	81	28.4		8.1		20.3		78.8		5.5		12.0		8		-				-		-	
SR4A	Cloudy	Calm	13:57	10.1	Surface	1.0	0.4	67	28.2	28.2	8.1	8.1	20.7	20.7	78.2	78.2	5.4	5.4	10.2	14.8	7	9	-	-	817187	807827	-	-	-	-
						1.0	0.4	70	28.2		8.1		20.7		78.1		5.4		10.1		8		-				-		-	
					Middle	5.1	0.4	78	27.9	27.9	8.1	8.1	23.5	23.5	76.7	76.7	5.3		14.6		8		-				-		-	
						5.1	0.4	82	27.9		8.1		23.5		76.7		5.3		14.3		9		-				-		-	
					Bottom	9.1	0.4	69	27.8	27.8	8.1	8.1	24.6	24.6	80.2	80.3	5.5	5.5	19.7		11		-				-		-	
						9.1	0.4	70	27.8		8.1		24.6		80.4		5.5		20.1		11		-				-		-	
SR5A	Cloudy	Calm	14:12	5.0	Surface	1.0	0.0	72	28.6	28.6	8.0	8.0	21.0	21.0	83.5	83.5	5.8	5.8	5.7	7.9	8	9	-	-	816581	810712	-	-	-	-
						1.0	0.0	73	28.6		8.0		21.0		83.4		5.8		5.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	90	28.4	28.4	8.0	8.0	21.4	21.4	83.6	83.7	5.8	5.8	10.0		10		-				-		-	
						4.0	0.1	92	28.4		8.0		21.4		83.8		5.8		9.9		11		-				-		-	
SR6	Rainy	Calm	14:37	4.7	Surface	1.0	0.1	343	28.5	28.5	8.0	8.0	20.6	20.6	82.3	82.4	5.7	5.7	8.0	8.6	7	8	-	-	817890	814672	-	-	-	-
						1.0	0.1	316	28.5		8.0		20.6		82.4		5.7		8.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	358	28.3	28.3	8.0	8.0	21.0	21.0	86.2	86.4	6.0	6.0	9.1		10		-				-		-	
						3.7	0.1	329	28.3		8.0		21.0		86.6		6.0		9.1		9		-				-		-	
SR7	Fine	Moderate	14:44	15.8	Surface	1.0	0.9	69	28.3	28.3	8.2	8.2	23.3	23.3	75.8	75.8	5.2	5.1	9.0	10.2	7	8	-	-	823635	823715	-	-	-	-
						1.0	0.9	73	28.3		8.2		23.3		75.7		5.2		9.0		8		-				-		-	
					Middle	7.9	0.5	67	27.8	27.8	8.2	8.2	25.2	25.2	72.1	72.1	4.9		9.5		7		-				-		-	
						7.9	0.5	69	27.8		8.2		25.2		72.1		4.9		9.4		8		-				-		-	
					Bottom	14.8	0.3	56	27.7	27.7	8.2	8.2	26.2	26.2	70.6	70.7	4.8	4.8	12.1		10		-				-		-	
						14.8	0.4	60	27.7		8.2		26.2		70.7		4.8		12.2		10		-				-		-	
SR8	Fine	Moderate	13:45	4.0	Surface	1.0	-	-	28.6	28.6	8.2	8.2	19.7	19.7	80.7	80.8	5.6	5.6	10.8	13.2	6	8	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.6		8.2		19.7		80.8		5.6		10.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	28.5	28.5	8.2	8.2	20.3	20.3	80.7	80.8	5.6	5.6	15.6		9		-				-		-	
						3.0	-	-	28.5		8.2		20.3		80.8		5.6		15.6		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	19:34	9.4	Surface	1.0	0.6	33	28.1	28.1	8.0	8.0	16.7	16.7	81.6	81.6	5.8	5.5	9.1	9.8	7	8	81	86	815595	804248	<0.2	<0.2	2.3	2.2
						1.0	0.7	33	28.1		8.0		16.7		81.6		5.8		9.2		6		83				<0.2		2.3	
					Middle	4.7	0.5	41	27.5	27.5	8.1	8.1	26.6	26.6	75.7	75.7	5.2		9.8		8		86				<0.2		2.3	
						4.7	0.6	41	27.5		8.1		26.6		75.7		5.2		9.9		7		87				<0.2		2.1	
					Bottom	8.4	0.4	34	27.5	27.5	8.1	8.1	27.4	27.4	79.2	79.3	5.4	5.4	10.5		9		89				<0.2		2.1	
						8.4	0.4	36	27.5		8.1		27.4		79.4		5.4		10.2		8		90				<0.2		2.1	
C2	Cloudy	Moderate	21:01	11.8	Surface	1.0	0.3	55	28.6	28.6	8.0	8.0	17.2	17.2	76.4	76.4	5.4	5.3	12.2	17.9	5	6	85	88	825698	806967	<0.2	<0.2	2.5	2.8
						1.0	0.4	60	28.6		8.0		17.2		76.3		5.4		12.3		5		84				<0.2		2.4	
					Middle	5.9	0.3	32	28.4	28.4	8.1	8.1	19.1	19.1	73.8	73.8	5.2		16.8		6		89				<0.2		2.2	
						5.9	0.3	33	28.4		8.1		19.1		73.8		5.2		16.9		6		88				<0.2		3.0	
					Bottom	10.8	0.4	315	28.3	28.3	8.1	8.1	22.0	22.0	73.9	73.9	5.1	5.1	24.7		6		92				<0.2		3.3	
						10.8	0.4	328	28.3		8.1		22.1		73.9		5.1		24.7		6		92				<0.2		3.3	
C3	Cloudy	Moderate	19:09	11.8	Surface	1.0	0.7	250	28.1	28.1	8.1	8.1	22.8	22.8	76.2	76.2	5.2	5.1	10.6	14.1	6	8	85	89	822090	817782	<0.2	<0.2	1.6	1.6
						1.0	0.7	270	28.1		8.1		22.8		76.1		5.2		10.7		7		85				<0.2		1.5	
					Middle	5.9	0.5	256	27.8	27.8	8.2	8.2	25.4	25.4	72.4	72.4	4.9		14.1		8		89				<0.2		1.6	
						5.9	0.6	273	27.8		8.2		25.4		72.4		4.9		14.0		8		89				<0.2		1.6	
					Bottom	10.8	0.4	260	27.8	27.8	8.2	8.2	25.6	25.6	74.4	74.5	5.1	5.1	17.4		8		93				<0.2		1.6	
						10.8	0.4	267	27.8		8.2		25.6		74.6		5.1		17.5		9		92				<0.2		1.8	
IM1	Cloudy	Moderate	19:51	5.9	Surface	1.0	0.1	357	28.3	28.3	8.1	8.1	20.5	20.5	85.6	85.7	6.0	6.0	10.6	11.0	7	8	82	85	817957	807123	<0.2	<0.2	2.0	2.1
						1.0	0.1	328	28.3		8.1		20.5		85.8		6.0		10.7		8		83				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.1	312	28.3	28.3	8.1	8.1	20.9	20.9	91.3	91.5	6.3	6.4	11.3		9		86				<0.2		2.1	
						4.9	0.2	341	28.3		8.1		20.9		91.7		6.4		11.3		9		87				<0.2		2.0	
IM2	Cloudy	Moderate	19:58	8.4	Surface	1.0	0.3	358	28.2	28.2	8.0	8.0	19.2	19.2	82.1	82.1	5.8	5.7	8.5	12.7	6	6	82	86	818170	806176	<0.2	<0.2	2.4	2.2
						1.0	0.4	329	28.2		8.0		19.2		82.1		5.8		8.5		5		82				<0.2		2.4	
					Middle	4.2	0.4	1	28.3	28.3	8.1	8.1	21.5	21.5	80.2	80.3	5.6		15.3		7		86				<0.2		2.3	
						4.2	0.4	1	28.3		8.1		21.5		80.3		5.6		15.3		6		87				<0.2		2.1	
					Bottom	7.4	0.4	26	28.1	28.1	8.1	8.1	22.0	22.0	83.2	83.3	5.8	5.8	14.3		6		89				<0.2		2.0	
						7.4	0.4	26	28.1		8.1		22.0		83.4		5.8		14.2		7		90				<0.2		2.2	
IM3	Cloudy	Moderate	20:04	8.5	Surface	1.0	0.5	15	28.1	28.1	8.1	8.1	19.0	19.0	80.3	80.3	5.7	5.6	8.9	10.8	6	7	81	86	818756	805600	<0.2	<0.2	2.2	2.2
						1.0	0.6	15	28.1		8.1		19.0		80.3		5.7		8.9		7		82				<0.2		2.2	
					Middle	4.3	0.6	36	27.9	27.9	8.1	8.1	22.0	22.0	79.1	79.2	5.5		10.4		7		85				<0.2		2.2	
						4.3	0.6	38	27.9		8.1		22.0		79.2		5.5		10.2		7		86				<0.2		2.1	
					Bottom	7.5	0.4	26	27.8	27.8	8.1	8.1	23.7	23.7	81.0	81.1	5.6	5.6	13.2		8		90				<0.2		2.2	
						7.5	0.4	27	27.8		8.1		23.7		81.2		5.6		13.4		8		91				<0.2		2.2	
IM4	Cloudy	Moderate	20:12	8.7	Surface	1.0	0.5	14	28.3	28.3	8.1	8.1	19.4	19.4	79.5	79.5	5.6	5.5	10.3	12.5	7	7	86	90	819749	804616	<0.2	<0.2	2.2	2.2
						1.0	0.5	14	28.3		8.1		19.4		79.5		5.6		10.7		6		86				<0.2		2.2	
					Middle	4.4	0.4	1	27.9	27.9	8.1	8.1	23.6	23.6	77.6	77.7	5.3		13.3		7		89				<0.2		2.2	
						4.4	0.4	1	27.9		8.1		23.6		77.7		5.3		13.3		7		90				<0.2		2.2	
					Bottom	7.7	0.2	357	27.9	27.9	8.1	8.1	24.1	24.1	79.6	79.7	5.5	5.5	13.7		8		92				<0.2		2.2	
						7.7	0.2	328	27.9		8.1		24.1		79.8		5.5		13.8		8		94				<0.2		2.2	
IM5	Cloudy	Moderate	20:21	8.1	Surface	1.0	0.6	354	28.3	28.3	8.1	8.1	20.8	20.8	80.6	80.6	5.6	5.5	10.1	12.9	8	9	85	88	820745	804873	<0.2	<0.2	2.2	2.2
						1.0	0.6	354	28.3		8.1		20.8		80.6		5.6		10.1		9		85				<0.2		2.4	
					Middle	4.1	0.4	0	28.0	28.0	8.1	8.1	22.8	22.8	78.5	78.6	5.4		14.8		9		87				<0.2		2.3	
						4.1	0.5	0	28.0		8.1		22.8		78.6		5.4		14.9		9		86				<0.2		2.1	
					Bottom	7.1	0.4	10	28.0	28.0	8.1	8.1	22.9	22.9	83.2	83.4	5.7	5.8	13.8		9		90				<0.2		2.2	
						7.1	0.4	10	28.0		8.1		22.9		83.5		5.8		13.8		10		92				<0.2		2.2	
IM6	Cloudy	Moderate	20:28	8.3	Surface	1.0	0.3	11	28.3	28.3	8.1	8.1	20.7	20.7	79.2	79.2	5.5	5.5	13.9	15.0	14	15	86	90	821058	805802	<0.2	<0.2	2.2	2.2
						1.0	0.3	11	28.3		8.1		20.7		79.1		5.5		13.9		15		86				<0.2		2.2	
					Middle	4.2	0.3	11	28.2	28.2	8.1	8.1	21.0	21.0	79.5	79.5	5.5		14.5		15		89				<0.2		2.3	
						4.2	0.3	11	28.2		8.1		21.0		79.5		5.5		14.7		15		90				<0.2		2.2	
					Bottom	7.3	0.3	337	28.2	28.2	8.1	8.1	21.5	21.5	82.0	82.1	5.7	5.7	16.5		16		93				<0.2		2.2	
						7.3	0.3	351	28.2		8.1		21.5		82.2		5.7		16.2		17		93				<0.2		2.1	
IM7	Cloudy	Moderate	20:35	9.6	Surface	1.0	0.1	50	28.6	28.6	8.0	8.0	17.1	17.1	80.5	80.5	5.7	5.7	5.5	7.4	6	7	82	86	821364	806810	<0.2	<0.2	2.1	2.1
						1.0	0.1	53	28.6		8.0		17.1		80.5		5.7		5.6		6		84				<0.2		2.2	
					Middle	4.8	0.1	36	28.4	28.4	8.0	8.0	19.7	19.7	81.2	81.3	5.7		6.7		7		86				<0.2		2.2	
						4.8	0.1	36	28.5		8.0		19.7		81.3		5.7		6.7		7		87				<0.2		2.1	
					Bottom	8.6	0.1	273	28.3	28.3	8.0	8.0	20.2	20.2	88.4	88.6	6.2	6.2	9.9		8		89				<0.2		2.1	
						8.6	0.1	275	28.3		8.0		20.2		88.8		6.2		9.8		7		89				<0.2		2.0	
IM8	Rainy	Moderate	20:40	8.9	Surface	1.0	0.2	111	28.6	28.6	8.1	8.1	17.3	17.3	78.0	78.0	5.5	5.5	10.4	12.1	5	5	85	89	821803	808134	<0.2	<0.2	3.0	2.9
						1.0	0.2	118	28.6		8.1		17.3		78.0		5.5		10.4		4		85				<0.2		3.2	
					Middle	4.5	0.3	70	28.4	28.4	8.1	8.1	18.9	18.9	77.0	77.1	5.4		12.6		5		90				<0.2		3.1	
						4.5	0.3	72	28.4		8.1		18.9		77.1		5.4		12.7		4		89				<0.2		2.6	
					Bottom	7.9	0.3	55	28.4	28.4	8.1	8.1	19.6	19.6	78.1	78.1	5.4	5.4	13.2		5		94				<0.2		2.6	
						7.9	0.3	57	28.4		8.1		19.6		78.1		5.4		13.2		4		93				<0.2		2.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 September 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	20:32	8.3	Surface	1.0	0.1	55	28.4	28.4	8.1	8.1	17.7	17.7	77.1	77.1	5.4	5.4	14.7	20.4	5	6	86	90	822095	808796	<0.2	<0.2	2.7	2.7
						1.0	0.2	59	28.4		8.1		17.7		77.0		5.4		14.8		5		85				<0.2		2.8	
					Middle	4.2	0.3	46	28.3	28.3	8.2	8.2	19.4	19.4	76.9	76.9	5.4		23.1		5		90				<0.2		2.8	
						4.2	0.3	50	28.3		8.2		19.4		76.9		5.4		23.1		6		89				<0.2		2.6	
					Bottom	7.3	0.2	20	28.3	28.3	8.2	8.2	20.0	20.0	77.5	77.5	5.4	5.4	23.3		6		94				<0.2		2.7	
						7.3	0.2	21	28.3		8.2		20.0		77.4		5.4		23.2		7		93				<0.2		2.8	
IM10	Cloudy	Moderate	20:23	8.4	Surface	1.0	0.2	51	28.6	28.6	8.1	8.1	17.5	17.5	79.0	79.0	5.6	5.6	10.4	12.9	6	9	85	89	822363	809802	<0.2	<0.2	2.8	2.6
						1.0	0.2	53	28.6		8.1		17.5		78.9		5.6		10.4		7		85				<0.2		2.7	
					Middle	4.2	0.3	0	28.4	28.4	8.2	8.2	19.1	19.1	78.3	78.4	5.5		13.5		8		89				<0.2		2.6	
						4.2	0.3	0	28.4		8.2		19.1		78.4		5.5		13.5		8		90				<0.2		2.5	
					Bottom	7.4	0.4	307	28.4	28.4	8.2	8.2	20.1	20.1	78.3	78.3	5.4	5.4	14.8		11		93				<0.2		2.5	
						7.4	0.4	323	28.4		8.2		20.1		78.2		5.4		15.0		12		93				<0.2		2.4	
IM11	Cloudy	Moderate	20:12	9.1	Surface	1.0	0.4	298	28.4	28.4	8.2	8.2	20.7	20.7	76.8	76.8	5.3	5.2	13.1	18.3	10	10	85	90	822047	811442	<0.2	<0.2	2.4	2.5
						1.0	0.4	319	28.4		8.2		20.7		76.7		5.3		13.2		10		85				<0.2		2.4	
					Middle	4.6	0.2	269	28.1	28.1	8.2	8.2	22.7	22.7	74.0	74.0	5.1		19.5		10		90				<0.2		2.4	
						4.6	0.2	288	28.1		8.2		22.7		73.9		5.1		19.5		10		90				<0.2		2.6	
					Bottom	8.1	0.2	249	28.1	28.1	8.2	8.2	22.9	22.9	74.7	74.7	5.1	5.1	22.3		10		93				<0.2		2.4	
						8.1	0.2	267	28.1		8.2		22.9		74.7		5.1		22.3		11		94				<0.2		2.6	
IM12	Cloudy	Moderate	20:04	8.4	Surface	1.0	0.3	261	28.3	28.3	8.2	8.2	21.3	21.3	76.5	76.5	5.3	5.3	13.5	18.6	8	13	85	89	821457	812063	<0.2	<0.2	2.1	2.0
						1.0	0.4	262	28.3		8.2		21.3		76.4		5.3		13.5		9		86				<0.2		2.2	
					Middle	4.2	0.2	259	28.2	28.2	8.2	8.2	21.9	21.9	74.7	74.7	5.2		18.2		14		90				<0.2		2.2	
						4.2	0.2	268	28.2		8.2		21.9		74.7		5.2		18.4		14		89				<0.2		1.9	
					Bottom	7.4	0.2	294	28.2	28.2	8.2	8.2	22.7	22.7	75.1	75.2	5.2	5.2	24.1		16		93				<0.2		1.9	
						7.4	0.2	318	28.2		8.2		22.7		75.3		5.2		24.1		17		93				<0.2		1.9	
SR2	Cloudy	Moderate	19:28	5.6	Surface	1.0	0.5	309	28.4	28.4	8.1	8.1	20.3	20.3	79.2	79.2	5.5	5.5	17.0	18.7	6	8	85	87	821481	814157	<0.2	<0.2	1.7	1.7
						1.0	0.5	328	28.4		8.1		20.3		79.1		5.5		17.0		7		86				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	330	28.3	28.3	8.1	8.1	21.1	21.1	78.4	78.4	5.4	5.4	20.3		9		89				<0.2		1.8	
						4.6	0.2	342	28.3		8.1		21.1		78.4		5.4		20.3		10		89				<0.2		1.7	
SR3	Rainy	Moderate	20:46	10.0	Surface	1.0	0.2	84	28.7	28.7	8.0	8.0	15.1	15.1	78.4	78.4	5.6	5.5	9.6	14.5	5	6	-	-	822149	807590	-	-	-	-
						1.0	0.2	90	28.7		8.0		15.1		78.4		5.6		9.6		5		-				-		-	
					Middle	5.0	0.4	63	28.5	28.5	8.1	8.1	17.9	17.9	76.2	76.2	5.4		13.6		6		-				-		-	
						5.0	0.4	64	28.5		8.1		17.9		76.2		5.4		13.7		6		-				-		-	
					Bottom	9.0	0.4	47	28.4	28.4	8.1	8.1	19.2	19.2	74.8	74.8	5.2	5.2	20.3		6		-				-		-	
						9.0	0.4	48	28.4		8.1		19.2		74.8		5.2		20.3		6		-				-		-	
SR4A	Cloudy	Calm	19:12	10.1	Surface	1.0	0.5	88	28.3	28.3	8.0	8.0	20.4	20.4	81.9	81.9	5.7	5.7	11.7	15.9	10	14	-	-	817160	807802	-	-	-	-
						1.0	0.5	95	28.3		8.0		20.4		81.9		5.7		11.6		10		-				-		-	
					Middle	5.1	0.4	75	28.3	28.3	8.0	8.0	20.8	20.8	80.7	80.7	5.6		17.1		14		-				-		-	
						5.1	0.4	80	28.3		8.0		20.9		80.7		5.6		17.1		14		-				-		-	
					Bottom	9.1	0.2	59	28.3	28.3	8.0	8.0	21.1	21.1	81.6	81.7	5.7	5.7	19.1		18		-				-		-	
						9.1	0.2	60	28.3		8.0		21.1		81.7		5.7		18.8		19		-				-		-	
SR5A	Cloudy	Calm	18:55	4.8	Surface	1.0	0.0	318	28.3	28.3	8.0	8.0	21.5	21.5	79.3	79.4	5.5	5.5	11.1	11.7	7	8	-	-	816621	810701	-	-	-	-
						1.0	0.0	328	28.3		8.0		21.5		79.4		5.5		11.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	19	28.2	28.2	8.0	8.0	21.5	21.5	80.0	80.0	5.5	5.5	12.2		9		-				-		-	
						3.8	0.1	20	28.2		8.0		21.5		80.0		5.5		12.4		8		-				-		-	
SR6	Cloudy	Calm	18:32	4.9	Surface	1.0	0.1	290	28.4	28.4	7.9	7.9	19.7	19.7	81.6	81.6	5.7	5.7	8.8	8.8	8	9	-	-	817871	814682	-	-	-	-
						1.0	0.2	314	28.4		7.9		19.7		81.6		5.7		8.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	323	28.3	28.3	7.8	7.8	20.6	20.6	84.9	85.1	5.9	5.9	8.8		10		-				-		-	
						3.9	0.1	342	28.3		7.8		20.6		85.2		5.9		8.7		10		-				-		-	
SR7	Cloudy	Moderate	18:39	16.0	Surface	1.0	0.1	178	28.1	28.1	8.1	8.1	23.4	23.4	75.3	75.3	5.2	5.1	10.7	16.3	6	8	-	-	823642	823744	-	-	-	-
						1.0	0.1	181	28.1		8.1		23.4		75.3		5.2		10.7		7		-				-		-	
					Middle	8.0	0.2	28	27.8	27.8	8.2	8.2	25.6	25.6	71.7	71.7	4.9		16.2		7		-				-		-	
						8.0	0.2	28	27.8		8.2		25.6		71.7		4.9		16.3		8		-				-		-	
					Bottom	15.0	0.2	179	27.6	27.6	8.2	8.2	26.4	26.4	70.9	70.9	4.8	4.8	21.8		9		-				-		-	
						15.0	0.2	184	27.6		8.2		26.4		70.9		4.8		22.0		10		-				-		-	
SR8	Cloudy	Moderate	19:55	4.3	Surface	1.0	-	-	28.5	28.5	8.1	8.1	19.7	19.7	79.0	79.0	5.5	5.5	12.0	14.7	4	5	-	-	820246	811418	-	-	-	-
						1.0	-	-	28.5		8.1		19.6		79.0		5.5		12.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	28.2	28.2	8.1	8.1	22.0	22.0	76.0	76.1	5.2	5.3	17.4		6		-				-		-	
						3.3	-	-	28.2		8.1		22.0		76.1		5.3		17.5		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:54	9.0	Surface	1.0	0.0	311	28.2	28.2	8.2	8.2	23.2	23.2	83.3	83.3	5.7	5.7	14.4	17.4	10	11	79	83	815622	804273	<0.2	<0.2	2.3	2.0
						1.0	0.0	329	28.2		8.2		23.2		83.3		5.7		14.4		10		78				<0.2		2.2	
					Middle	4.5	0.1	230	28.0	28.0	8.2	8.2	23.9	23.9	82.9	82.9	5.7		20.7		11		82				<0.2		2.1	
						4.5	0.1	252	28.0		8.2		23.9		82.9		5.7		20.7		12		84				<0.2		1.9	
					Bottom	8.0	0.1	239	28.0	28.0	8.2	8.2	24.0	24.0	85.0	85.0	5.8	5.8	17.1		12		87				<0.2		1.7	
						8.0	0.1	248	28.0		8.2		24.0		85.0		5.8		17.1		13		85				<0.2		2.0	
C2	Fine	Moderate	13:48	11.7	Surface	1.0	0.3	69	28.2	28.2	8.0	8.0	21.6	21.6	84.1	84.1	5.8	5.7	14.2	16.1	11	13	80	85	825705	806930	<0.2	<0.2	1.5	1.5
						1.0	0.3	73	28.2		8.0		21.6		84.1		5.8		14.2		11		80				<0.2		1.6	
					Middle	5.9	0.1	52	27.8	27.8	8.0	8.0	24.2	24.2	79.4	79.4	5.5		12.2		12		85				<0.2		1.5	
						5.9	0.1	53	27.8		8.0		24.2		79.4		5.5		12.2		14		85				<0.2		1.5	
					Bottom	10.7	0.2	112	27.8	27.8	7.8	7.8	24.9	24.9	85.6	85.6	5.9	5.9	22.0		15		89				<0.2		1.6	
						10.7	0.2	117	27.8		7.8		24.9		85.6		5.9		22.0		16		89				<0.2		1.3	
C3	Fine	Moderate	15:47	11.5	Surface	1.0	0.1	41	28.2	28.2	8.1	8.1	24.5	24.5	81.2	81.2	5.5	5.5	3.7	4.3	11	13	82	86	822098	817797	<0.2	<0.2	1.4	1.6
						1.0	0.1	43	28.2		8.1		24.5		81.2		5.5		3.7		10		81				<0.2		1.8	
					Middle	5.8	0.2	98	27.8	27.8	8.1	8.1	25.7	25.8	79.8	79.8	5.4		4.9		12		87				<0.2		1.6	
						5.8	0.2	105	27.8		8.1		25.8		79.8		5.4		5.0		13		86				<0.2		1.5	
					Bottom	10.5	0.2	68	27.9	27.9	8.1	8.1	26.6	26.6	85.5	85.5	5.8	5.8	4.1		15		89				<0.2		1.5	
						10.5	0.3	73	27.9		8.1		26.6		85.5		5.8		4.1		15		91				<0.2		1.9	
IM1	Fine	Moderate	14:27	5.4	Surface	1.0	0.0	27	28.1	28.1	8.1	8.1	22.1	22.1	83.4	83.4	5.8	5.8	9.2	13.5	6	7	80	83	817947	807137	<0.2	<0.2	1.8	2.3
						1.0	0.0	27	28.1		8.1		22.1		83.4		5.8		9.2		6		81				<0.2		2.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	210	27.9	27.9	8.2	8.2	23.7	23.7	82.9	82.9	5.7	5.7	17.8		8		85				<0.2		2.5	
						4.4	0.2	228	27.9		8.2		23.7		82.9		5.7		17.8		8		84				<0.2		2.7	
IM2	Fine	Moderate	14:21	7.7	Surface	1.0	0.2	44	28.3	28.3	8.1	8.1	20.9	20.9	84.9	84.9	5.9	5.9	6.6	8.5	9	10	81	85	818143	806157	<0.2	<0.2	2.5	2.2
						1.0	0.2	48	28.3		8.1		20.9		84.9		5.9		6.6		10		82				<0.2		2.1	
					Middle	3.9	0.3	59	28.1	28.1	8.1	8.1	21.9	21.9	84.5	84.5	5.9		9.5		10		84				<0.2		2.5	
						3.9	0.4	62	28.1		8.1		21.9		84.5		5.9		9.5		10		87				<0.2		2.2	
					Bottom	6.7	0.3	60	28.1	28.1	8.1	8.1	23.6	23.6	85.5	85.5	5.9	5.9	9.5		11		87				<0.2		1.8	
						6.7	0.3	62	28.1		8.1		23.6		85.5		5.9		9.5		11		87				<0.2		2.0	
IM3	Fine	Moderate	14:13	7.3	Surface	1.0	0.3	49	28.1	28.1	8.1	8.1	21.5	21.5	80.6	80.6	5.6	5.6	8.9	10.2	9	10	79	83	818768	805568	<0.2	<0.2	1.8	1.9
						1.0	0.3	51	28.1		8.1		21.5		80.6		5.6		8.9		9		79				<0.2		2.1	
					Middle	3.7	0.3	66	27.9	27.9	8.1	8.1	22.9	22.9	79.4	79.4	5.5		11.2		9		82				<0.2		2.2	
						3.7	0.4	67	27.9		8.1		22.9		79.4		5.5		11.2		9		83				<0.2		1.9	
					Bottom	6.3	0.2	70	27.9	27.9	8.1	8.1	23.3	23.3	82.6	82.6	5.7	5.7	10.5		11		87				<0.2		1.7	
						6.3	0.3	70	27.9		8.1		23.3		82.6		5.7		10.5		11		86				<0.2		1.6	
IM4	Fine	Moderate	14:06	7.2	Surface	1.0	0.2	30	28.2	28.2	8.1	8.1	21.1	21.1	86.0	86.0	6.0	6.0	9.2	12.1	6	7	82	84	819698	804618	<0.2	<0.2	2.2	2.1
						1.0	0.2	32	28.2		8.1		21.1		86.0		6.0		9.2		6		81				<0.2		2.2	
					Middle	3.6	0.2	16	27.9	27.9	8.1	8.1	21.7	21.7	85.5	85.5	5.9		16.0		7		85				<0.2		2.0	
						3.6	0.2	16	27.9		8.1		21.7		85.5		5.9		16.0		7		85				<0.2		2.0	
					Bottom	6.2	0.3	33	28.1	28.1	8.1	8.1	23.5	23.5	87.1	87.1	6.0	6.0	11.2		8		87				<0.2		2.1	
						6.2	0.3	36	28.1		8.1		23.5		87.1		6.0		11.2		7		86				<0.2		2.3	
IM5	Fine	Moderate	13:58	7.6	Surface	1.0	0.4	35	28.4	28.4	8.0	8.0	20.4	20.4	85.8	85.8	6.0	6.0	5.9	9.8	6	8	82	85	820730	804884	<0.2	<0.2	2.2	2.1
						1.0	0.5	35	28.4		8.0		20.4		85.8		6.0		5.9		6		83				<0.2		2.5	
					Middle	3.8	0.3	21	28.0	28.0	8.1	8.1	21.8	21.8	84.3	84.3	5.9		12.6		9		85				<0.2		2.1	
						3.8	0.3	22	28.0		8.1		21.8		84.3		5.9		12.6		8		87				<0.2		1.8	
					Bottom	6.6	0.3	46	28.0	28.0	8.1	8.1	24.4	24.4	85.5	85.5	5.9	5.9	10.9		8		87				<0.2		2.1	
						6.6	0.3	47	28.0		8.1		24.4		85.5		5.9		10.9		9		87				<0.2		2.0	
IM6	Fine	Moderate	13:52	7.5	Surface	1.0	0.1	347	28.0	28.0	8.1	8.1	21.9	21.9	80.4	80.4	5.6	5.7	8.5	9.3	10	12	79	82	821041	805829	<0.2	<0.2	2.3	2.0
						1.0	0.1	319	28.0		8.1		21.9		80.4		5.6		8.5		11		78				<0.2		1.6	
					Middle	3.8	0.1	77	27.9	27.9	8.1	8.1	22.6	22.6	81.9	81.9	5.7		10.2		11		82				<0.2		1.8	
						3.8	0.1	79	27.9		8.1		22.6		81.9		5.7		10.2		12		81				<0.2		2.0	
					Bottom	6.5	0.1	70	27.9	27.9	8.1	8.1	24.0	24.0	81.5	81.5	5.6	5.6	9.2		13		84				<0.2		2.1	
						6.5	0.1	71	27.9		8.1		24.0		81.5		5.6		9.2		13		85				<0.2		2.0	
IM7	Fine	Moderate	13:44	8.8	Surface	1.0	0.2	39	28.2	28.2	8.1	8.1	21.6	21.6	85.2	85.2	5.9	5.8	11.3	14.1	9	10	77	82	821337	806855	<0.2	<0.2	1.7	1.8
						1.0	0.2	41	28.2		8.1		21.6		85.2		5.9		11.3		8		78				<0.2		1.6	
					Middle	4.4	0.1	33	27.8	27.8	8.1	8.1	23.8	23.8	81.5	81.5	5.6		12.2		8		82				<0.2		1.7	
						4.4	0.1	33	27.8		8.1		23.8		81.5		5.6		12.2		9		84				<0.2		2.0	
					Bottom	7.8	0.1	329	27.8	27.8	8.0	8.0	24.2	24.2	83.3	83.3	5.7	5.7	18.8		12		84				<0.2		1.8	
						7.8	0.1	349	27.8		8.0		24.2		83.3		5.7		18.8		11		85				<0.2		2.0	
IM8	Fine	Moderate	14:19	7.4	Surface	1.0	0.5	107	28.2	28.2	8.1	8.1	20.8	20.8	86.5	86.5	6.0	6.0	8.0	10.0	8	10	82	86	821853	808158	<0.2	<0.2	1.8	1.6
						1.0	0.5	109	28.2		8.1		20.8		86.5		6.0		8.0		9		82				<0.2		1.6	
					Middle	3.7	0.4	69	28.0	28.0	8.1	8.1	21.3	21.3	86.5	86.5	6.0		11.6		9		86				<0.2		1.5	
						3.7	0.4	69	28.0		8.1		21.3		86.5		6.0		11.6		10		87				<0.2		1.5	
					Bottom	6.4	0.5	66	27.8	27.8	8.1	8.1	24.2	24.2	89.9	89.9	6.2	6.2	10.5		12		90				<0.2		1.7	
						6.4	0.5	66	27.8		8.1		24.2		89.9		6.2		10.5		12		90				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:26	7.4	Surface	1.0	0.7	98	28.3	28.3	8.1	8.1	21.0	21.0	88.3	88.3	6.1	6.2	7.9	12.6	9	10	82	86	822105	808835	<0.2	<0.2	1.6	1.7
						1.0	0.7	105	28.3		8.1		21.0		88.3		6.1		7.9		9		81				<0.2		1.8	
					Middle	3.7	0.5	95	27.9	27.9	8.1	8.1	21.5	21.5	89.4	89.4	6.2		16.8		9		86				<0.2		1.3	
						3.7	0.6	100	27.9		8.1		21.5		89.4		6.2		16.8		9		86				<0.2		1.6	
					Bottom	6.4	0.4	85	27.9	27.9	8.1	8.1	23.8	23.8	93.3	93.3	6.4	6.4	13.1		10		89				<0.2		2.0	
						6.4	0.4	89	27.9		8.1		23.8		93.3		6.4		13.1		11		89				<0.2		1.7	
IM10	Fine	Moderate	14:37	6.9	Surface	1.0	0.7	94	28.1	28.1	8.1	8.1	21.6	21.6	84.1	84.1	5.8	5.9	7.5	8.1	10	10	81	86	822380	809782	<0.2	<0.2	1.8	1.6
						1.0	0.7	99	28.1		8.1		21.6		84.1		5.8		7.5		9		81				<0.2		1.5	
					Middle	3.5	0.5	91	27.9	27.9	8.1	8.1	23.2	23.2	86.9	86.9	6.0		9.9		10		87				<0.2		1.5	
						3.5	0.5	94	27.9		8.1		23.2		86.9		6.0		9.9		10		87				<0.2		1.7	
					Bottom	5.9	0.4	96	27.9	27.9	8.1	8.1	23.3	23.3	95.2	95.2	6.6	6.6	6.8		10		89				<0.2		1.5	
						5.9	0.4	96	27.9		8.1		23.3		95.2		6.6		6.8		10		90				<0.2		1.8	
IM11	Fine	Moderate	14:50	7.6	Surface	1.0	0.7	99	28.3	28.3	8.1	8.1	21.1	21.1	86.6	86.6	6.0	6.1	8.2	12.3	7	8	82	86	822065	811445	<0.2	<0.2	1.7	1.7
						1.0	0.7	106	28.3		8.1		21.1		86.5		6.0		8.4		8		82				<0.2		1.5	
					Middle	3.8	0.6	85	27.9	27.9	8.1	8.1	22.2	22.2	87.9	87.9	6.1		12.8		8		87				<0.2		1.7	
						3.8	0.7	85	27.9		8.1		22.2		87.9		6.1		12.8		7		87				<0.2		1.6	
					Bottom	6.6	0.4	89	27.8	27.8	8.1	8.1	24.1	24.1	92.0	92.0	6.3	6.3	15.7		9		89				<0.2		1.7	
						6.6	0.4	93	27.8		8.1		24.1		92.0		6.3		15.7		9		89				<0.2		1.8	
IM12	Fine	Moderate	15:02	8.6	Surface	1.0	0.6	95	28.0	28.0	8.1	8.1	22.2	22.2	83.6	83.6	5.8	5.8	14.6	16.5	5	6	83	87	821448	812036	<0.2	<0.2	1.9	1.8
						1.0	0.6	104	28.0		8.1		22.2		83.6		5.8		14.6		5		83				<0.2		1.8	
					Middle	4.3	0.5	81	27.9	27.9	8.3	8.3	23.7	23.7	83.8	83.8	5.8		16.6		5		87				<0.2		1.9	
						4.3	0.5	82	27.9		8.3		23.7		83.8		5.8		16.6		6		88				<0.2		1.7	
					Bottom	7.6	0.2	68	27.9	27.9	8.2	8.2	24.1	24.1	85.4	85.5	5.9	5.9	18.4		6		90				<0.2		1.6	
						7.6	0.2	73	27.9		8.2		24.1		85.6		5.9		18.4		6		89				<0.2		1.8	
SR2	Fine	Moderate	15:29	4.6	Surface	1.0	0.5	107	28.1	28.1	8.1	8.1	22.4	22.4	87.2	87.2	6.0	6.0	6.3	6.6	10	12	85	88	821439	814180	<0.2	<0.2	2.2	1.9
						1.0	0.5	114	28.1		8.1		22.4		87.2		6.0		6.3		11		85				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	149	28.1	28.1	8.1	8.1	22.8	22.8	93.3	93.3	6.4	6.4	6.8		12		90				<0.2		1.7	
						3.6	0.1	157	28.1		8.1		22.8		93.3		6.4		6.8		14		91				<0.2		1.7	
SR3	Fine	Moderate	14:11	8.8	Surface	1.0	0.3	127	28.0	28.0	8.1	8.1	22.0	22.0	82.0	82.0	5.7	5.8	10.0	13.4	7	7	-	-	822166	807578	-	-	-	-
						1.0	0.4	130	28.0		8.1		22.0		82.0		5.7		10.0		6		-				-		-	
					Middle	4.4	0.3	114	27.9	27.9	8.1	8.1	22.6	22.6	83.9	83.9	5.8		13.0		7		-				-		-	
						4.4	0.3	117	27.9		8.1		22.6		83.9		5.8		13.0		7		-				-		-	
					Bottom	7.8	0.4	88	27.8	27.8	8.1	8.1	24.6	24.6	88.4	88.4	6.1	6.1	17.2		7		-				-		-	
						7.8	0.4	96	27.8		8.1		24.6		88.4		6.1		17.2		7		-				-		-	
SR4A	Fine	Moderate	15:12	9.2	Surface	1.0	0.4	70	28.2	28.2	8.1	8.1	22.4	22.4	84.4	84.4	5.8	5.8	6.2	6.6	11	12	-	-	817170	807792	-	-	-	-
						1.0	0.4	71	28.2		8.1		22.4		84.4		5.8		6.2		12		-				-		-	
					Middle	4.6	0.4	83	28.1	28.1	8.1	8.1	22.6	22.6	84.7	84.7	5.8		7.2		13		-				-		-	
						4.6	0.4	89	28.1		8.1		22.6		84.7		5.8		7.2		12		-				-		-	
					Bottom	8.2	0.4	72	28.1	28.1	8.1	8.1	22.6	22.6	85.9	85.9	5.9	5.9	6.5		13		-				-		-	
						8.2	0.4	73	28.1		8.1		22.6		85.9		5.9		6.5		12		-				-		-	
SR5A	Fine	Moderate	15:40	4.6	Surface	1.0	0.0	88	28.2	28.2	8.1	8.1	24.6	24.6	79.6	79.6	5.4	5.4	3.9	4.0	8	8	-	-	816574	810678	-	-	-	-
						1.0	0.0	93	28.2		8.1		24.6		79.6		5.4		3.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	102	28.0	28.0	8.1	8.1	26.5	26.5	80.0	80.0	5.4	5.4	4.0		9		-				-		-	
						3.6	0.1	102	28.0		8.1		26.5		80.0		5.4		4.0		8		-				-		-	
SR6	Fine	Moderate	16:12	4.4	Surface	1.0	0.1	330	28.2	28.2	8.1	8.1	23.9	23.9	77.5	77.5	5.3	5.3	3.4	3.6	5	7	-	-	817918	814668	-	-	-	-
						1.0	0.1	345	28.2		8.1		23.9		77.5		5.3		3.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	336	27.9	27.9	8.1	8.1	25.5	25.5	75.6	75.6	5.1	5.1	3.8		8		-				-		-	
						3.4	0.1	337	27.9		8.1		25.5		75.6		5.1		3.8		8		-				-		-	
SR7	Fine	Moderate	16:12	16.0	Surface	1.0	0.8	76	27.9	27.9	8.1	8.1	25.4	25.4	74.3	74.3	5.1	5.1	3.9	4.0	6	6	-	-	823653	823760	-	-	-	-
						1.0	0.9	77	27.9		8.1		25.4		74.3		5.1		3.9		5		-				-		-	
					Middle	8.0	0.5	82	27.5	27.5	8.1	8.1	27.2	27.2	73.2	73.2	5.0		4.1		6		-				-		-	
						8.0	0.5	82	27.5		8.1		27.2		73.2		5.0		4.1		6		-				-		-	
					Bottom	15.0	0.3	77	27.5	27.5	8.1	8.1	27.3	27.3	76.0	76.0	5.2	5.2	4.1		7		-				-		-	
						15.0	0.3	84	27.5		8.1		27.3		76.0		5.2		4.1		7		-				-		-	
SR8	Fine	Moderate	15:13	4.4	Surface	1.0	-	-	28.3	28.3	8.2	8.2	23.1	23.1	89.7	89.7	6.2	6.2	12.6	14.3	8	8	-	-	820501	811641	-	-	-	-
						1.0	-	-	28.3		8.2		23.1		89.7		6.2		12.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	27.9	27.9	8.2	8.2	23.8	23.8	96.2	96.2	6.6	6.6	15.9		9		-				-		-	
						3.4	-	-	27.9		8.2		23.8		96.2		6.6		15.9		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 18 during Mid-Flood Tide

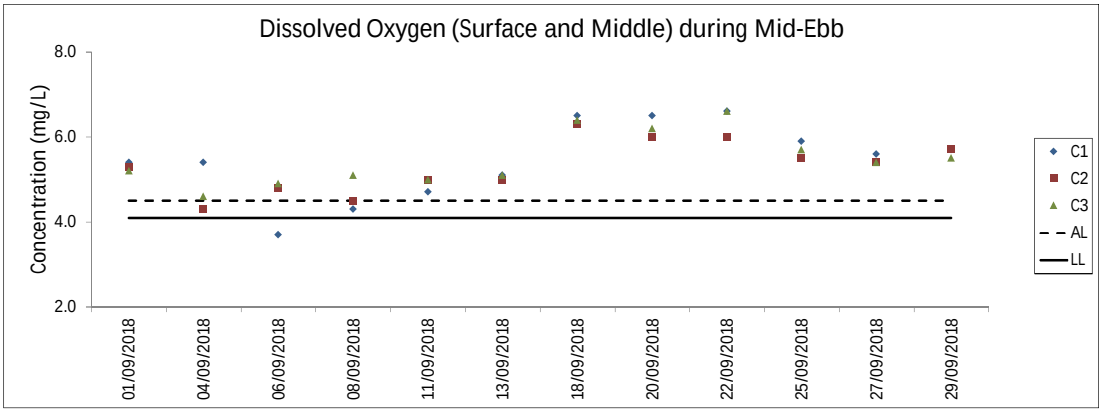
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:17	9.2	Surface	1.0	0.6	44	27.8	27.8	7.9	7.9	23.1	23.1	76.1	76.1	5.3	5.4	12.3	15.9	7	9	80	84	815647	804240	<0.2	<0.2	1.8	2.0
						1.0	0.7	44	27.8		7.9		23.1		76.1		5.3		12.3		7		81				<0.2		1.7	
					Middle	4.6	0.5	50	27.8	27.8	7.7	7.7	23.2	23.2	80.0	80.0	5.5		16.2		9		83				<0.2		2.3	
						4.6	0.6	53	27.8		7.7		23.2		80.0		5.5		16.2		10		85				<0.2		1.9	
					Bottom	8.2	0.4	42	27.8	27.8	7.5	7.5	23.2	23.2	85.4	85.4	5.9	5.9	19.2		10		88				<0.2		2.2	
						8.2	0.4	45	27.8		7.5		23.2		85.4		5.9		19.2		10		89				<0.2		2.2	
C2	Fine	Moderate	11:20	12.2	Surface	1.0	0.3	60	28.2	28.2	8.1	8.1	20.1	20.1	88.8	88.8	6.2	6.1	11.6	14.1	8	10	79	82	825681	806940	<0.2	<0.2	1.9	1.7
						1.0	0.4	61	28.2		8.1		20.1		88.8		6.2		11.6		9		77				<0.2		1.9	
					Middle	6.1	0.3	42	27.9	27.9	8.1	8.1	21.4	21.4	86.0	86.0	6.0		14.4		11		82				<0.2		1.6	
						6.1	0.4	44	27.9		8.1		21.4		86.0		6.0		14.4		10		83				<0.2		1.7	
					Bottom	11.2	0.4	321	27.6	27.6	8.1	8.1	21.8	21.8	84.4	84.4	5.9	5.9	16.2		11		85				<0.2		1.6	
						11.2	0.4	323	27.6		8.1		21.8		84.4		5.9		16.2		11		86				<0.2		1.6	
C3	Fine	Moderate	09:37	12.2	Surface	1.0	0.4	203	27.5	27.5	8.1	8.1	25.8	25.8	72.0	72.0	4.9	4.9	7.5	13.9	11	11	81	86	822089	817782	<0.2	<0.2	1.7	1.7
						1.0	0.4	210	27.5		8.1		25.8		72.0		4.9		7.5		10		82				<0.2		1.8	
					Middle	6.1	0.4	242	27.3	27.3	8.1	8.1	27.9	27.9	70.7	70.7	4.8		14.8		11		87				<0.2		1.8	
						6.1	0.5	243	27.3		8.1		27.9		70.7		4.8		14.8		11		86				<0.2		1.8	
					Bottom	11.2	0.3	258	27.3	27.3	8.1	8.1	28.1	28.1	73.1	73.1	5.0	5.0	19.4		12		89				<0.2		1.7	
						11.2	0.3	277	27.3		8.1		28.1		73.1		5.0		19.4		12		88				<0.2		1.5	
IM1	Fine	Moderate	10:28	5.2	Surface	1.0	0.1	336	27.8	27.8	8.0	8.0	23.4	23.4	77.0	77.0	5.3	5.3	13.5	15.0	12	15	82	84	817974	807135	<0.2	<0.2	1.9	2.0
						1.0	0.1	337	27.8		8.0		23.4		77.0		5.3		13.5		13		83				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	329	27.8	27.8	7.9	7.9	23.7	23.7	78.5	78.5	5.4	5.4	16.5		18		84				<0.2		2.0	
						4.2	0.2	344	27.8		7.9		23.7		78.5		5.4		16.5		18		85				<0.2		2.0	
IM2	Fine	Moderate	10:37	7.6	Surface	1.0	0.3	340	28.0	28.0	8.0	8.0	20.9	20.9	84.0	84.0	5.9	5.9	8.2	10.1	11	12	81	86	818159	806177	<0.2	<0.2	1.9	1.9
						1.0	0.4	313	28.0		8.0		20.9		84.0		5.9		8.2		10		82				<0.2		1.9	
					Middle	3.8	0.4	11	27.9	27.9	7.9	7.9	21.1	21.1	84.5	84.5	5.9		10.9		12		85				<0.2		1.8	
						3.8	0.4	11	27.9		7.9		21.1		84.5		5.9		10.9		13		87				<0.2		1.8	
					Bottom	6.6	0.4	32	27.9	27.9	7.7	7.7	22.2	22.2	88.6	88.6	6.1	6.1	11.1		14		90				<0.2		2.0	
						6.6	0.4	33	27.9		7.7		22.2		88.6		6.1		11.1		14		89				<0.2		2.0	
IM3	Fine	Moderate	10:44	7.1	Surface	1.0	0.5	22	27.9	27.9	7.9	7.9	21.5	21.5	85.0	85.0	5.9	6.1	8.0	8.2	8	10	82	86	818780	805607	<0.2	<0.2	1.8	1.9
						1.0	0.5	23	27.9		7.9		21.5		85.0		5.9		8.0		8		84				<0.2		1.9	
					Middle	3.6	0.6	43	27.8	27.8	7.8	7.8	21.7	21.7	88.8	88.8	6.2		9.3		9		85				<0.2		1.9	
						3.6	0.6	44	27.8		7.8		21.7		88.8		6.2		9.3		10		87				<0.2		1.8	
					Bottom	6.1	0.4	37	27.8	27.8	7.5	7.5	22.3	22.3	95.4	95.4	6.6	6.6	7.3		11		88				<0.2		1.8	
						6.1	0.4	37	27.8		7.5		22.3		95.4		6.6		7.3		12		87				<0.2		1.9	
IM4	Fine	Moderate	10:56	7.8	Surface	1.0	0.5	25	28.1	28.1	8.0	8.0	20.9	20.9	85.9	85.9	6.0	6.1	8.0	9.7	9	10	81	84	819723	804630	<0.2	<0.2	1.8	1.8
						1.0	0.5	26	28.1		8.0		20.9		85.9		6.0		8.0		8		81				<0.2		1.8	
					Middle	3.9	0.4	19	27.8	27.8	7.9	7.9	22.3	22.3	87.2	87.2	6.1		11.1		10		86				<0.2		1.8	
						3.9	0.4	19	27.8		7.9		22.3		87.2		6.1		11.1		8		84				<0.2		1.7	
					Bottom	6.8	0.2	344	27.8	27.8	7.8	7.8	23.7	23.7	90.4	90.4	6.2	6.2	10.1		12		86				<0.2		1.9	
						6.8	0.3	316	27.8		7.8		23.7		90.4		6.2		10.1		11		88				<0.2		1.7	
IM5	Fine	Moderate	11:07	7.6	Surface	1.0	0.6	341	27.8	27.8	7.9	7.9	20.2	20.2	82.2	82.2	5.8	5.7	14.4	14.3	7	10	80	85	820756	804874	<0.2	<0.2	1.7	1.7
						1.0	0.6	355	27.8		7.9		20.2		82.2		5.8		14.4		8		82				<0.2		1.7	
					Middle	3.8	0.4	10	27.7	27.7	7.9	7.9	22.4	22.4	78.9	78.9	5.5		13.6		9		87				<0.2		1.8	
						3.8	0.5	10	27.7		7.9		22.4		78.9		5.5		13.6		9		86				<0.2		1.8	
					Bottom	6.6	0.4	27	27.7	27.7	7.9	7.9	23.3	23.3	76.6	76.6	5.3	5.3	14.9		12		86				<0.2		1.7	
						6.6	0.4	29	27.7		7.9		23.3		76.6		5.3		14.9		12		87				<0.2		1.7	
IM6	Fine	Moderate	11:14	8.2	Surface	1.0	0.3	23	28.2	28.2	7.9	7.9	20.4	20.4	83.0	83.0	5.8	5.5	14.3	13.9	10	11	79	82	821063	805850	<0.2	<0.2	1.7	1.8
						1.0	0.3	25	28.2		7.9		20.4		83.0		5.8		14.3		9		79				<0.2		1.8	
					Middle	4.1	0.3	29	27.9	27.9	7.9	7.9	22.6	22.6	73.7	73.7	5.1		12.2		10		81				<0.2		1.7	
						4.1	0.3	29	27.9		7.9		22.6		73.7		5.1		12.2		11		83				<0.2		2.0	
					Bottom	7.2	0.3	320	27.7	27.7	7.9	7.9	24.1	24.1	70.1	70.1	4.8	4.8	15.1		12		85				<0.2		1.7	
						7.2	0.3	341	27.7		7.9		24.1		70.1		4.8		15.1		13		86				<0.2		1.8	
IM7	Fine	Moderate	11:22	7.9	Surface	1.0	0.2	67	28.0	28.0	8.0	8.0	20.1	20.1	80.6	80.6	5.6	5.6	8.1	12.7	7	7	79	82	821347	806842	<0.2	<0.2	1.6	1.7
						1.0	0.2	73	28.0		8.0		20.1		80.6		5.6		8.1		7		78				<0.2		1.7	
					Middle	4.0	0.1	41	27.9	27.9	7.9	7.9	22.3	22.3	79.2	79.2	5.5		13.7		7		82				<0.2		1.8	
						4.0	0.1	42	27.9		7.9		22.3		79.2		5.5		13.7		6		83				<0.2		1.7	
					Bottom	6.9	0.1	262	27.9	27.9	7.9	7.9	22.9	22.9	78.1	78.1	5.4	5.4	16.2		7		85				<0.2		1.8	
						6.9	0.1	271	27.9		7.9		22.9		78.1		5.4		16.2		8		86				<0.2		1.8	
IM8	Fine	Moderate	10:58	7.2	Surface	1.0	0.2	107	28.1	28.1	8.0	8.0	20.8	20.8	85.1	85.1	5.9	5.9	5.9	7.3	7	9	79	83	821832	808112	<0.2	<0.2	1.6	1.6
						1.0	0.2	113	28.1		8.0		20.8		85.1		5.9		5.9		8		79				<0.2		1.6	
					Middle	3.6	0.2	80	28.0	28.0	8.0	8.0	20.9	20.9	84.4	84.4	5.9		7.4		9		83				<0.2		1.6	
						3.6	0.2	85	28.0		8.0		20.9		84.4		5.9		7.4		8		84				<0.2		1.8	
					Bottom	6.2	0.2	64	27.9	27.9	8.0	8.0	22.5	22.5	84.4	84.4	5.9	5.9	8.7		10		86				<0.2		1.6	
						6.2	0.2	67	27.9		8.0		22.5		84.4		5.9		8.7		10		85				<0.2		1.6	

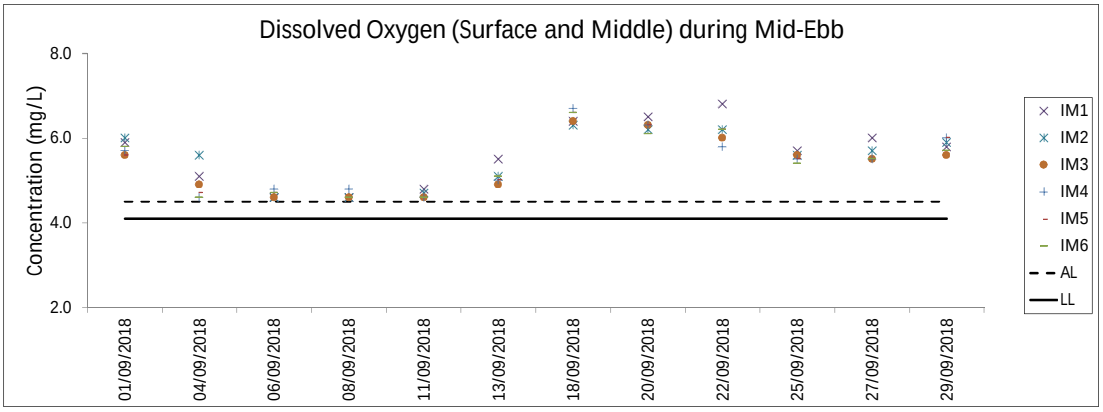
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

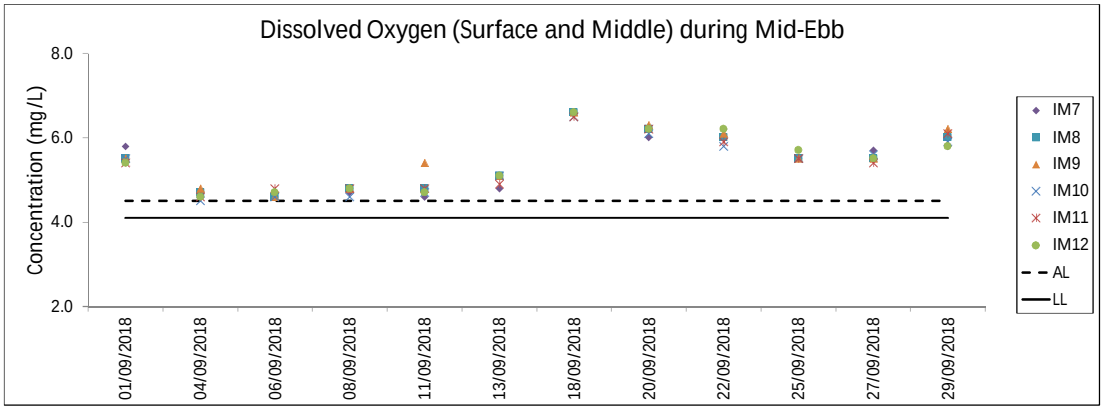
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 18 during Mid-Flood Tide

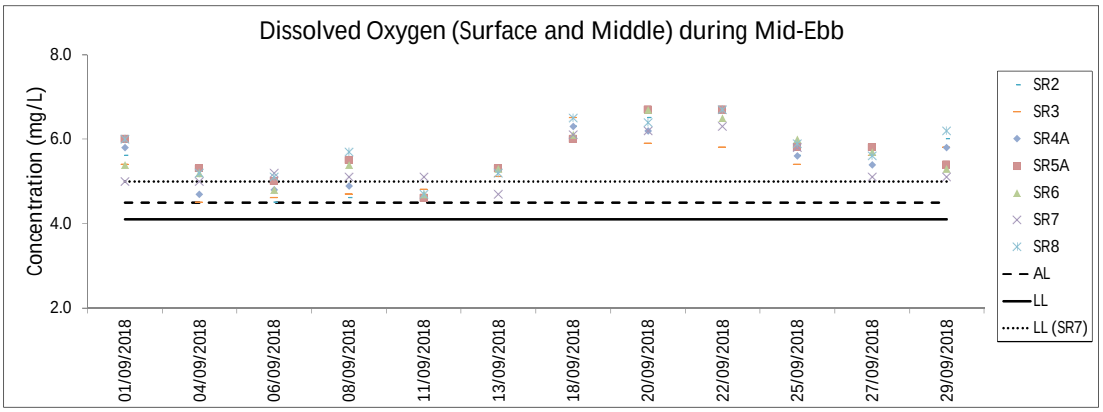
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	10:52	7.4	Surface	1.0	0.2	57	27.9	27.9	8.0	8.0	21.5	21.5	82.9	82.9	5.8	5.8	8.5	8.9	8	10	79	83	822100	808787	<0.2	<0.2	1.6	1.6
						1.0	0.2	58	27.9		8.0		21.5		82.9		5.8		8.5		8		77				<0.2		1.7	
					Middle	3.7	0.1	72	27.8	27.8	8.0	8.0	21.8	21.8	82.8	82.8	5.8		9.5		10		83				<0.2		1.7	
						3.7	0.1	72	27.8		8.0		21.8		82.8		5.8		9.5		10		81				<0.2		1.6	
					Bottom	6.4	0.2	51	27.8	27.8	8.0	8.0	21.8	21.8	83.6	83.6	5.8	5.8	8.7		11		88				<0.2		1.4	
						6.4	0.2	55	27.8		8.0		21.8		83.6		5.8		8.7		10		88				<0.2		1.4	
IM10	Fine	Moderate	10:44	8.1	Surface	1.0	0.2	78	28.0	28.0	8.1	8.1	20.9	20.9	82.9	82.9	5.8	5.8	7.2	9.0	13	13	81	85	822365	809778	<0.2	<0.2	1.6	1.6
						1.0	0.2	79	28.0		8.1		20.9		82.9		5.8		7.2		12		83				<0.2		1.5	
					Middle	4.1	0.1	358	27.9	27.9	8.1	8.1	21.3	21.3	81.2	81.2	5.7		11.4		13		87				<0.2		1.6	
						4.1	0.1	329	27.9		8.1		21.3		81.2		5.7		11.4		13		83				<0.2		1.6	
					Bottom	7.1	0.2	307	27.9	27.9	8.0	8.0	22.6	22.5	83.3	83.4	5.8	5.8	8.5		14		89				<0.2		1.7	
						7.1	0.2	315	27.9		8.0		22.5		83.4		5.8		8.1		15		88				<0.2		1.6	
IM11	Fine	Moderate	10:33	7.2	Surface	1.0	0.3	293	27.9	27.9	8.0	8.0	23.3	23.3	75.7	75.7	5.2	5.2	13.1	14.0	8	8	81	85	822072	811447	<0.2	<0.2	1.6	1.7
						1.0	0.3	300	27.9		8.0		23.3		75.7		5.2		13.1		7		82				<0.2		1.6	
					Middle	3.6	0.1	315	27.8	27.8	8.0	8.0	23.7	23.7	75.4	75.4	5.2		15.0		6		86				<0.2		1.8	
						3.6	0.1	327	27.8		8.0		23.7		75.4		5.2		15.0		8		87				<0.2		1.6	
					Bottom	6.2	0.0	254	27.8	27.8	8.0	8.0	23.7	23.7	76.1	76.1	5.2	5.2	14.0		10		88				<0.2		2.0	
						6.2	0.0	254	27.8		8.0		23.7		76.1		5.2		14.0		11		88				<0.2		1.6	
IM12	Fine	Moderate	10:26	9.8	Surface	1.0	0.4	294	27.9	27.9	8.0	8.0	23.0	23.0	74.7	74.7	5.2	5.1	8.4	11.7	8	9	81	84	821476	812052	<0.2	<0.2	1.5	1.6
						1.0	0.4	321	27.9		8.0		23.0		74.7		5.2		8.4		8		82				<0.2		1.7	
					Middle	4.9	0.2	265	27.7	27.7	8.0	8.0	24.6	24.6	72.9	72.9	5.0		16.6		8		86				<0.2		1.6	
						4.9	0.2	266	27.7		8.0		24.6		72.9		5.0		16.6		9		81				<0.2		1.6	
					Bottom	8.8	0.1	232	27.7	27.7	7.9	7.9	24.9	24.9	76.3	76.4	5.2	5.2	10.2		9		88				<0.2		1.7	
						8.8	0.1	252	27.7		7.9		24.9		76.5		5.2		10.2		10		87				<0.2		1.6	
SR2	Fine	Moderate	09:57	5.4	Surface	1.0	0.3	323	27.9	27.9	7.9	7.9	22.2	22.2	80.9	80.9	5.6	5.6	11.0	11.2	6	7	82	84	821481	814147	<0.2	<0.2	1.7	1.7
						1.0	0.3	331	27.9		7.9		22.2		80.9		5.6		11.2		7		83				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	285	27.8	27.8	7.5	7.5	23.6	23.6	82.6	82.6	5.7	5.7	11.2		6		85				<0.2		1.8	
						4.4	0.0	310	27.8		7.5		23.6		82.6		5.7		11.2		7		84				<0.2		1.7	
SR3	Fine	Moderate	11:05	8.3	Surface	1.0	0.2	99	28.0	28.0	8.0	8.0	21.1	21.1	88.2	88.2	6.1	6.0	14.6	15.0	10	11	-	-	822153	807559	-	-	-	-
						1.0	0.2	103	28.0		8.0		21.1		88.2		6.1		14.6		11		-				-		-	
					Middle	4.2	0.4	70	27.8	27.8	8.0	8.0	22.0	22.0	83.9	83.9	5.8		15.1		10		-				-		-	
						4.2	0.4	70	27.8		8.0		22.0		83.9		5.8		15.1		11		-				-		-	
					Bottom	7.3	0.4	55	27.8	27.8	8.0	8.0	22.1	22.1	75.6	75.6	5.2	5.2	15.3		12		-				-		-	
						7.3	0.5	55	27.8		8.0		22.1		75.6		5.2		15.3		13		-				-		-	
SR4A	Fine	Moderate	09:54	8.8	Surface	1.0	0.5	90	27.9	27.9	8.0	8.0	21.8	21.8	80.9	80.9	5.6	5.6	14.8	15.7	8	9	-	-	817211	807800	-	-	-	-
						1.0	0.5	91	27.9		8.0		21.8		80.8		5.6		14.9		7		-				-		-	
					Middle	4.4	0.4	87	27.8	27.8	7.7	7.7	22.3	22.3	79.2	79.2	5.5		15.1		8		-				-		-	
						4.4	0.4	88	27.8		7.7		22.3		79.2		5.5		15.1		9		-				-		-	
					Bottom	7.8	0.2	62	27.8	27.8	7.5	7.5	23.2	23.2	82.6	82.6	5.7	5.7	17.2		10		-				-		-	
						7.8	0.2	66	27.8		7.5		23.2		82.6		5.7		17.2		9		-				-		-	
SR5A	Fine	Moderate	09:35	4.6	Surface	1.0	0.0	325	27.7	27.7	8.1	8.1	25.1	25.1	74.9	74.9	5.1	5.1	10.2	12.4	7	9	-	-	816621	810699	-	-	-	-
						1.0	0.0	331	27.7		8.1		25.1		74.9		5.1		10.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	22	27.3	27.3	8.2	8.2	27.2	27.2	70.6	70.6	4.8	4.8	14.6		11		-				-		-	
						3.6	0.1	22	27.3		8.2		27.2		70.6		4.8		14.6		11		-				-		-	
SR6	Fine	Moderate	09:04	4.4	Surface	1.0	0.2	282	27.6	27.6	8.1	8.1	25.5	25.5	72.0	72.0	4.9	4.9	9.7	11.2	7	7	-	-	817903	814685	-	-	-	-
						1.0	0.2	305	27.6		8.1		25.5		72.0		4.9		9.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	330	27.4	27.4	8.1	8.1	26.7	26.7	69.6	69.6	4.7	4.7	12.7		7		-				-		-	
						3.4	0.1	350	27.4		8.1		26.7		69.6		4.7		12.7		7		-				-		-	
SR7	Fine	Moderate	09:03	16.4	Surface	1.0	0.1	256	27.6	27.6	8.1	8.1	25.8	25.8	78.8	78.8	5.4	5.1	4.8	9.3	5	7	-	-	823627	823749	-	-	-	-
						1.0	0.1	277	27.6		8.1		25.8		78.8		5.4		4.9		6		-				-		-	
					Middle	8.2	0.1	169	27.3	27.3	8.1	8.1	27.8	27.8	69.7	69.7	4.7		10.2		7		-				-		-	
						8.2	0.1	183	27.3		8.1		27.8		69.7		4.7		10.2		7		-				-		-	
					Bottom	15.4	0.1	99	27.3	27.3	8.1	8.1	28.1	28.1	70.9	70.9	4.8	4.8	12.8		7		-				-		-	
						15.4	0.1	99	27.3		8.1		28.1		70.9		4.8		12.8		8		-				-		-	
SR8	Fine	Moderate	10:15	4.6	Surface	1.0	-	-	27.8	27.8	7.9	7.9	23.4	23.4	75.9	75.9	5.2	5.2	14.8	15.7	6	6	-	-	820530	811645	-	-	-	-
						1.0	-	-	27.8		7.9		23.4		75.9		5.2		14.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	27.8	27.8	7.8	7.7	23.5	23.5	77.6	78.4	5.4	5.5	16.6		6		-				-		-	
						3.6	-	-	27.8		7.7		23.5		79.2		5.5		16.6		7		-				-		-	

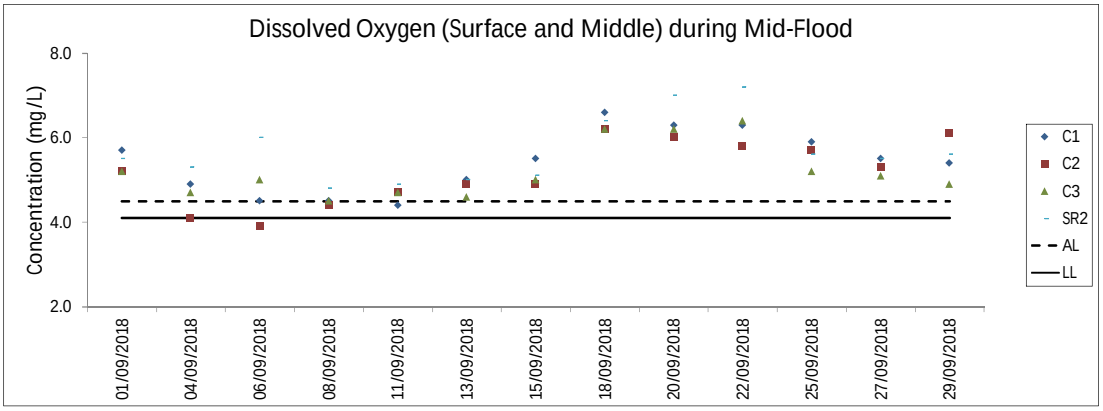
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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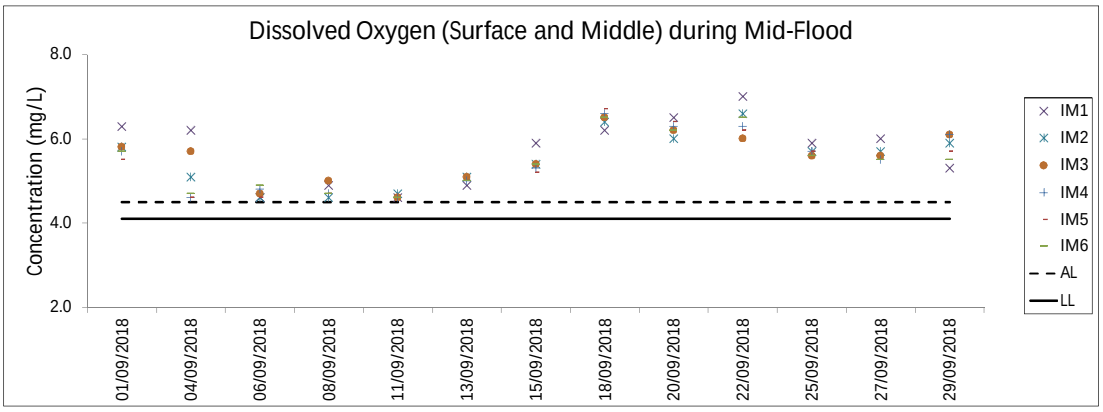
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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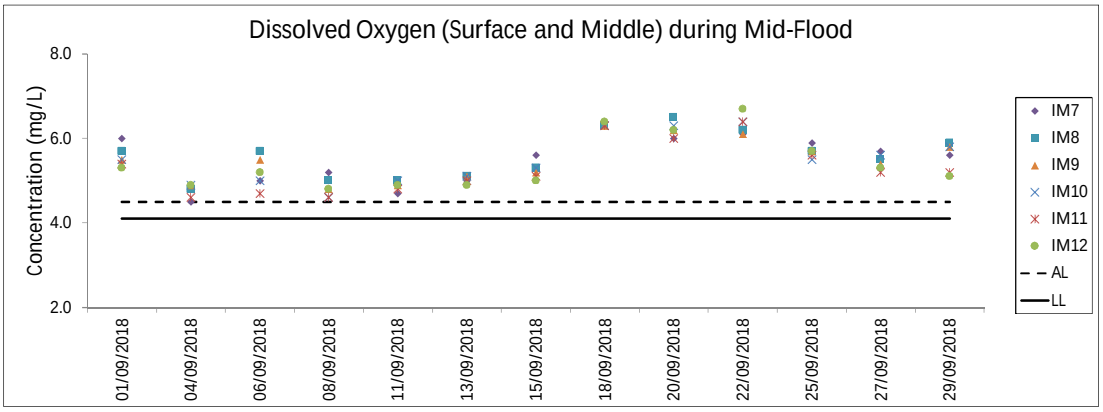
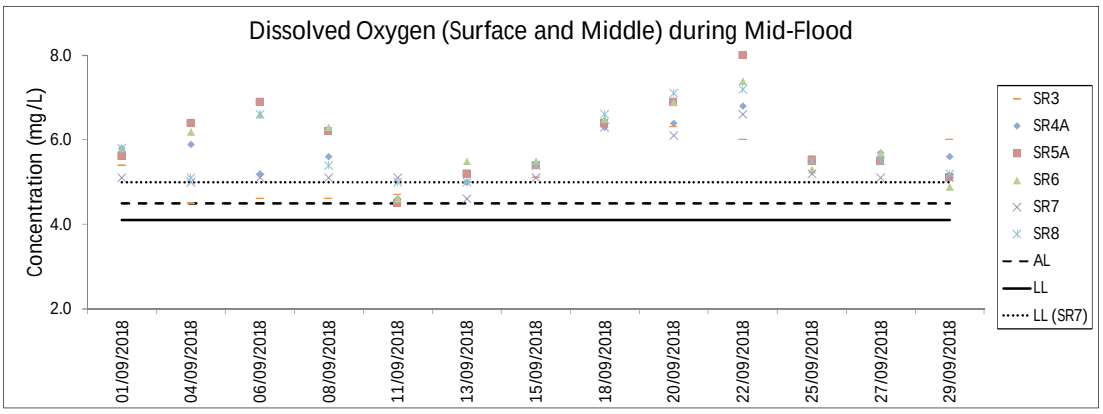
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
22/09/2018
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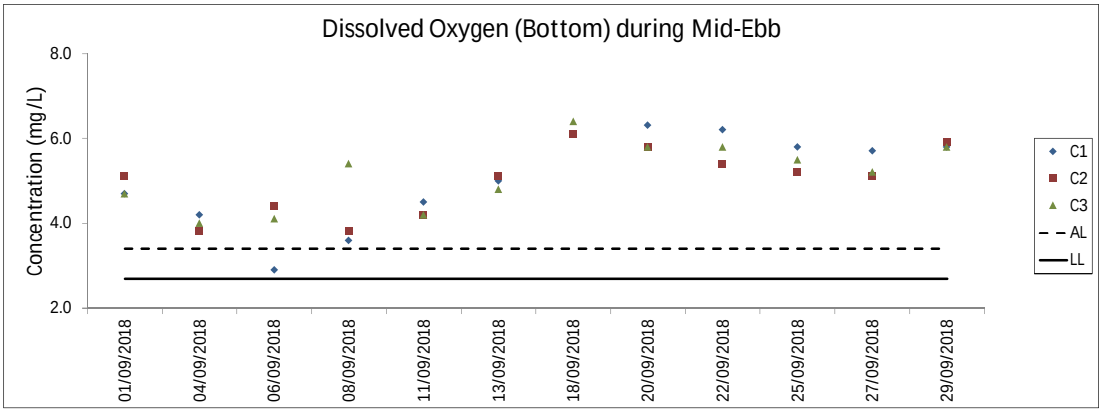
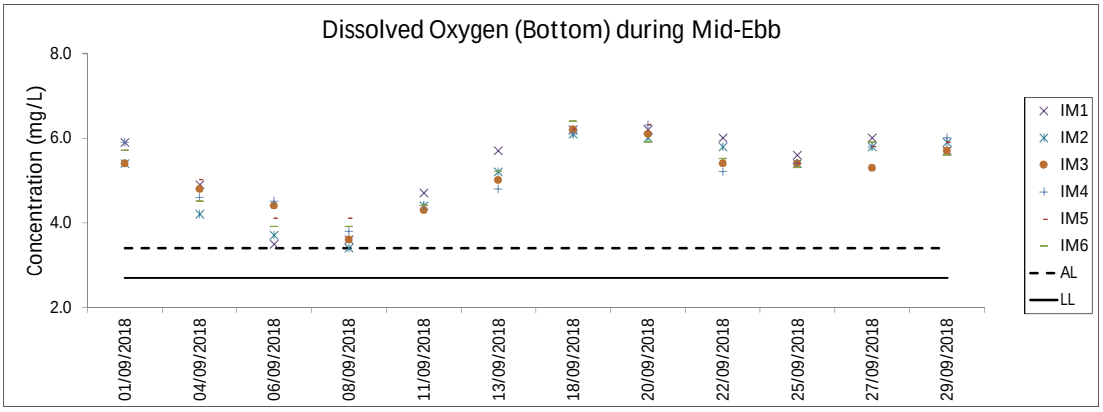
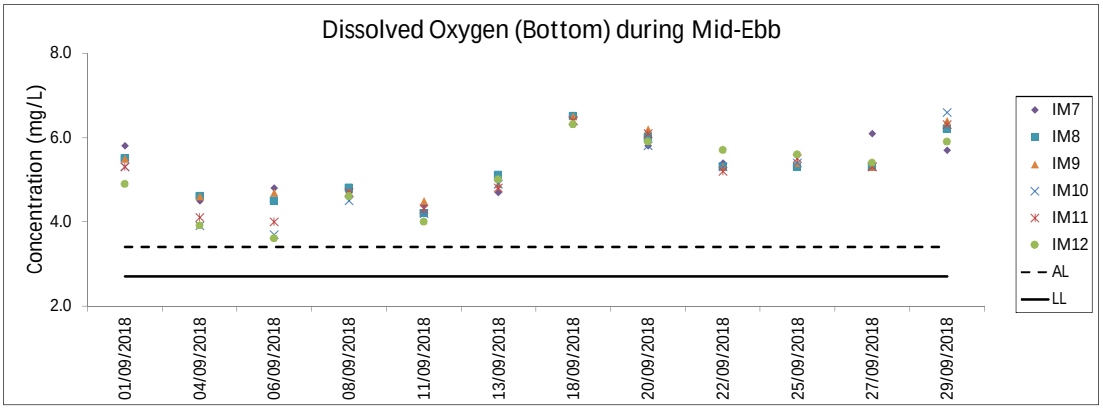
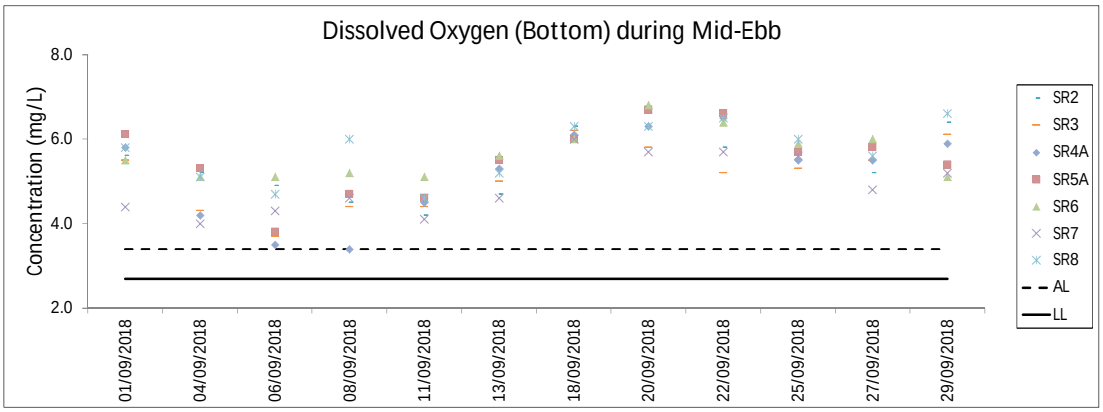
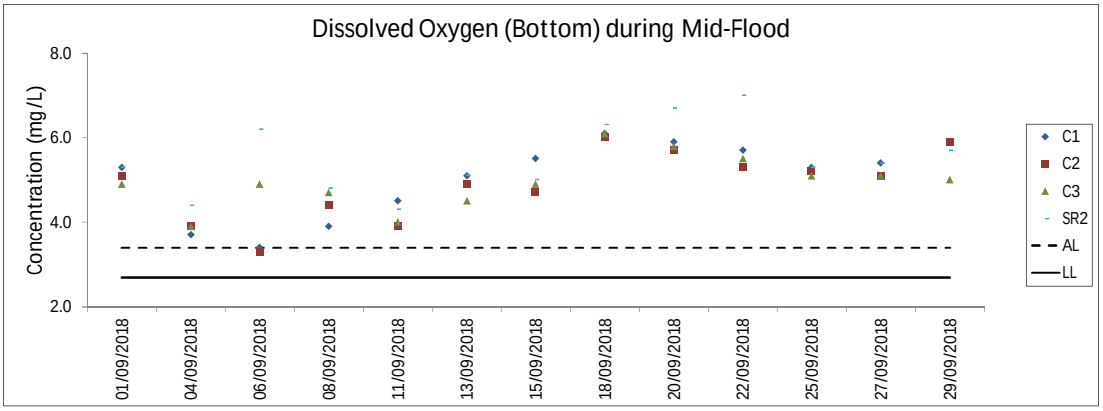
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)

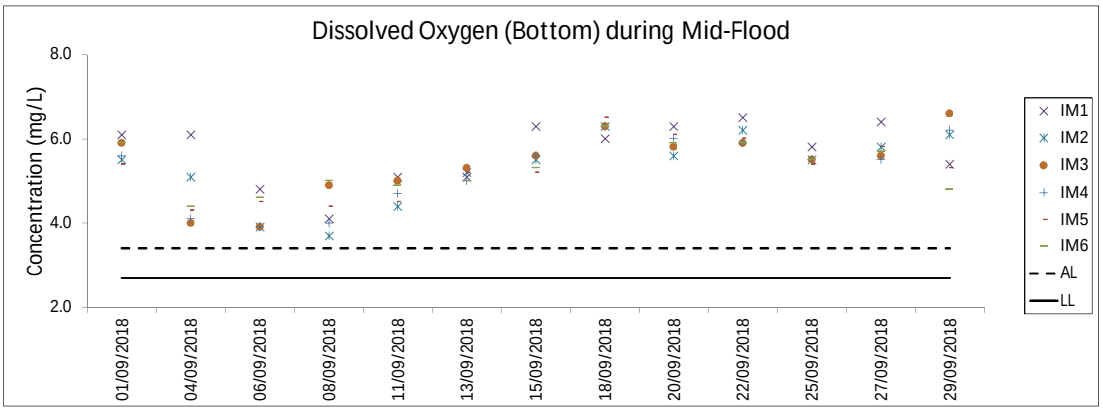

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
C1
C2
C3
AL
LL

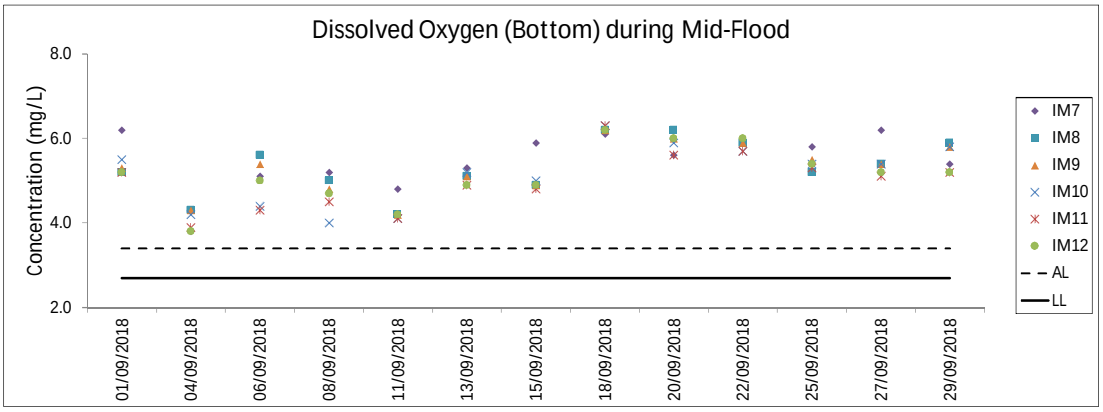

Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
22/09/2018
25/09/2018
27/09/2018
29/09/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
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IM9
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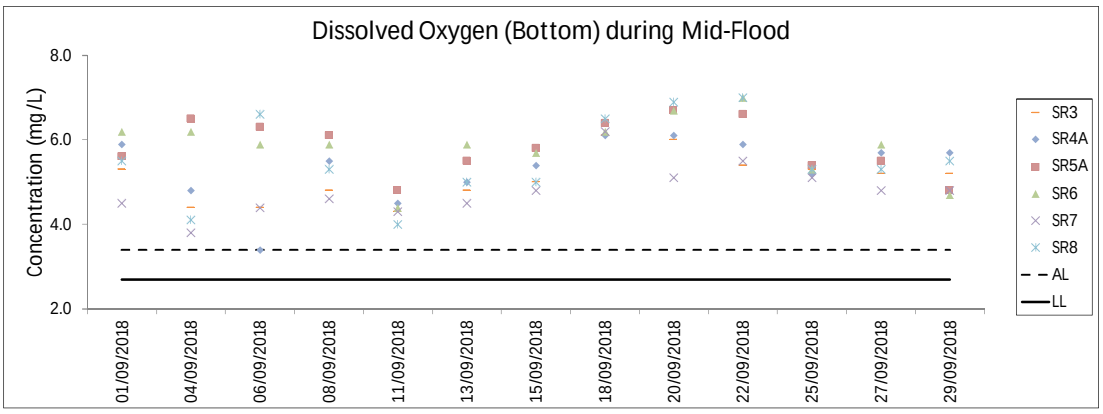
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
8.0
6.0
4.0
2.0
01/09/2018
04/09/2018
06/09/2018
08/09/2018
11/09/2018
13/09/2018
15/09/2018
18/09/2018
20/09/2018
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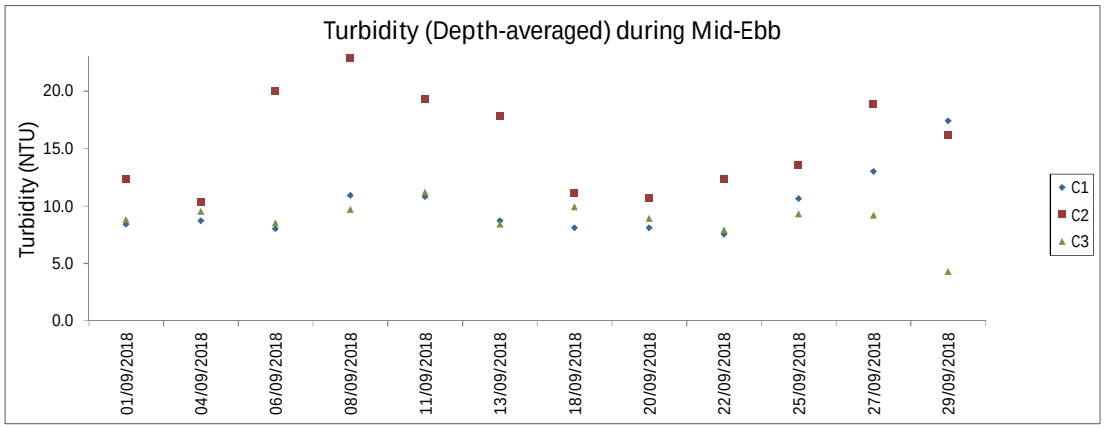
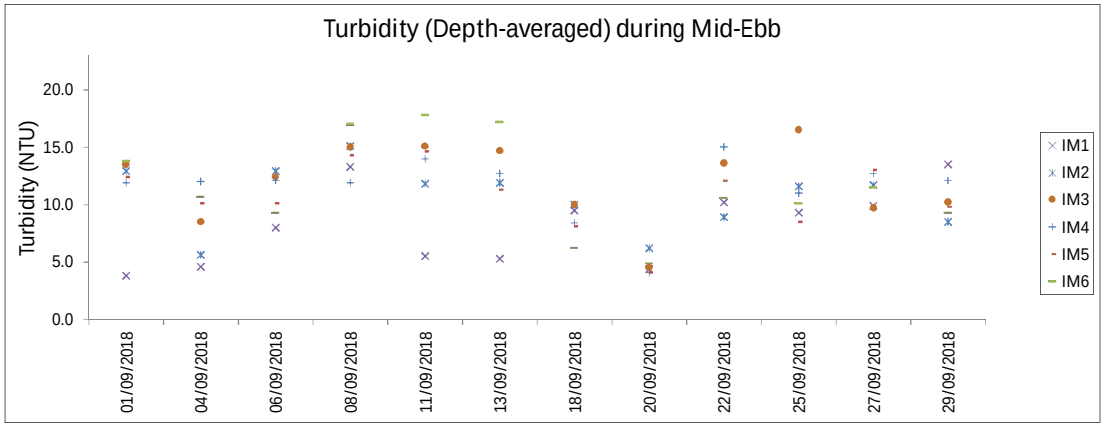
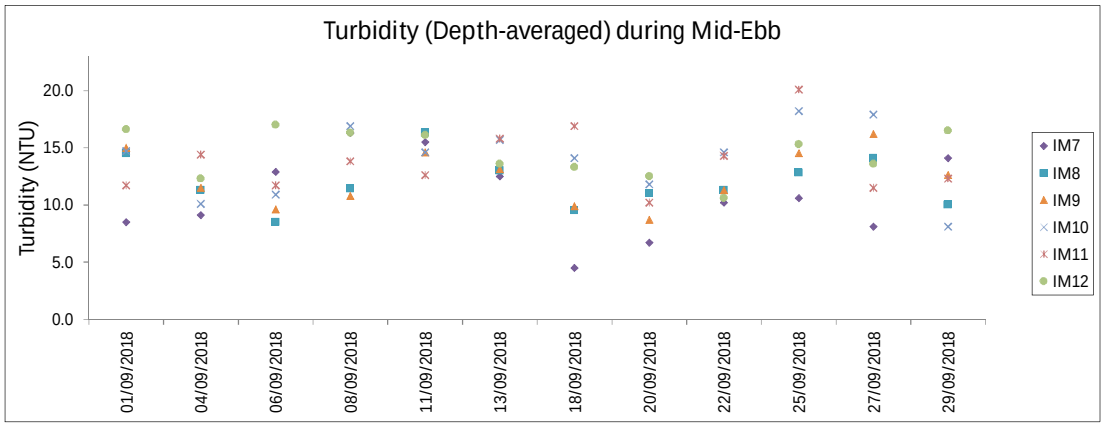
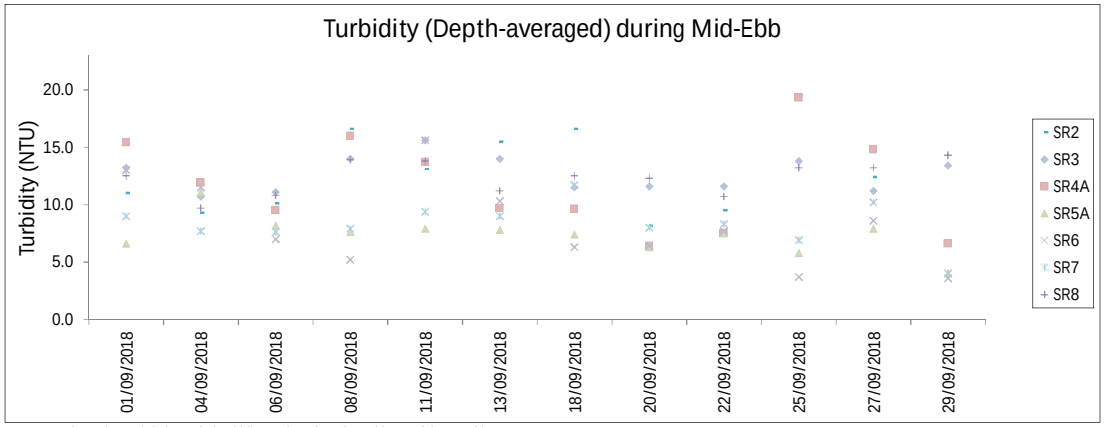
SR4A
SR5A
SR6
SR7
SR8
AL
LL

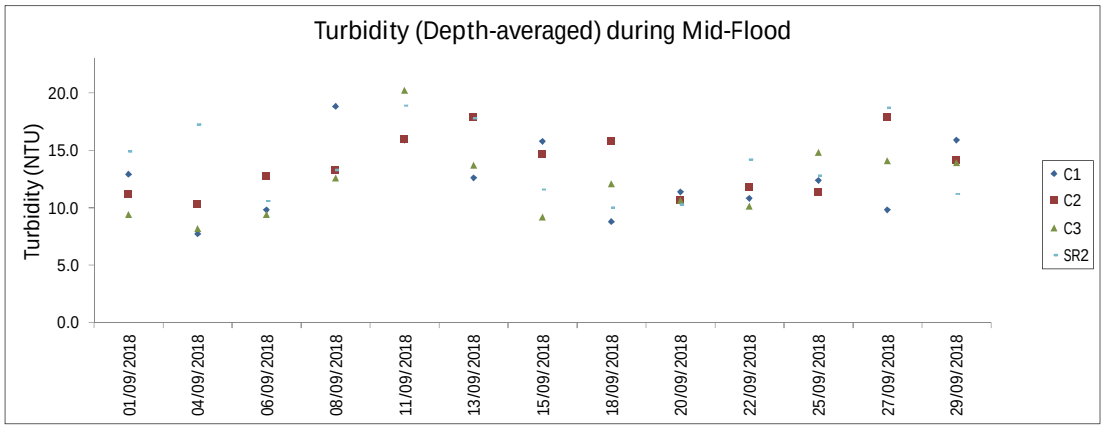


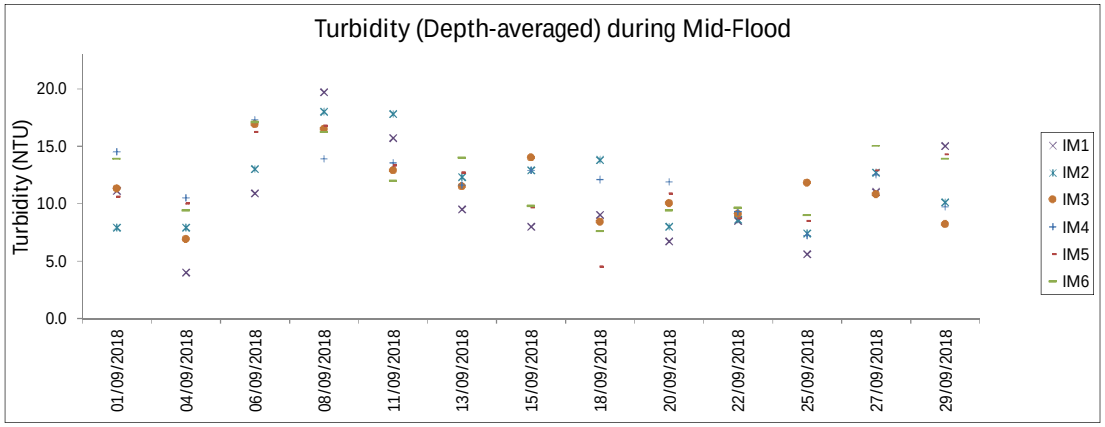


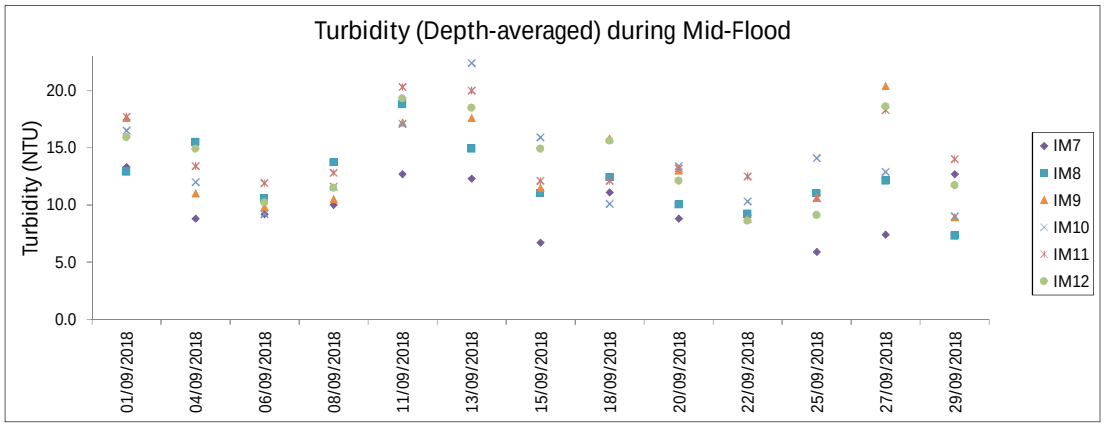


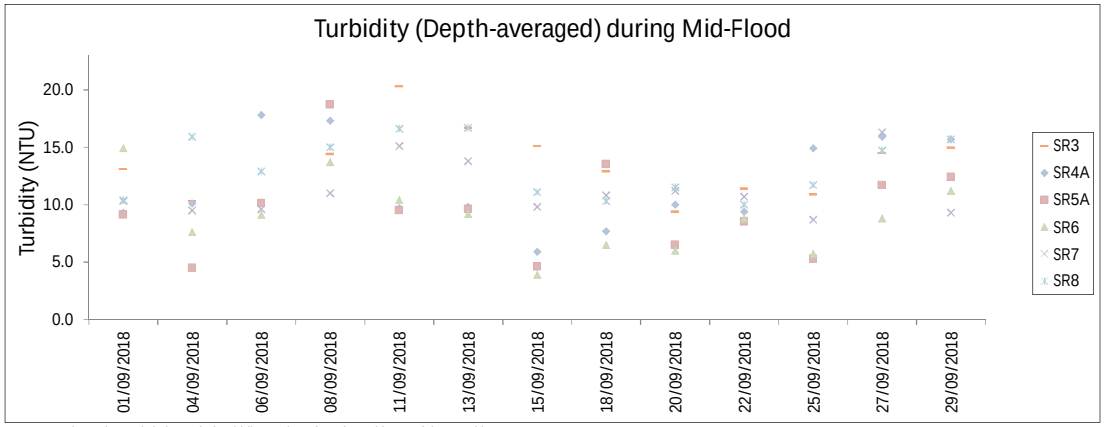


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

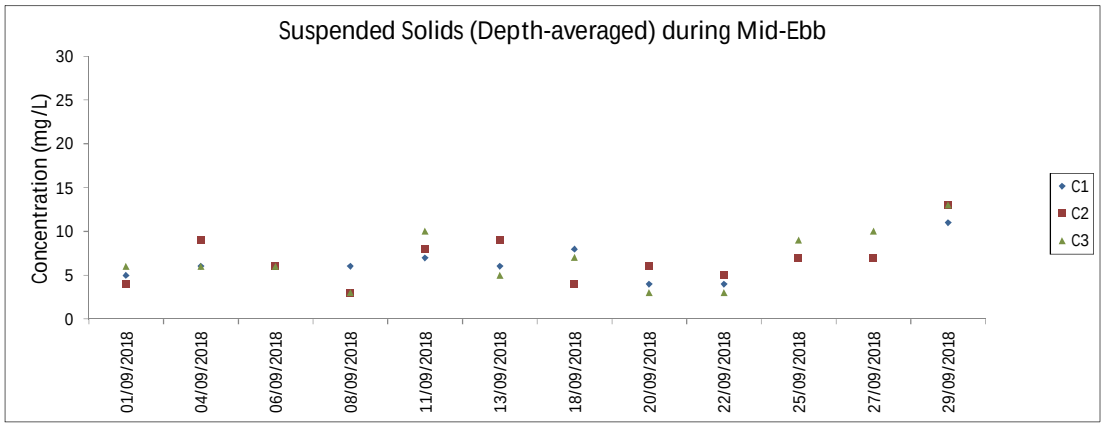


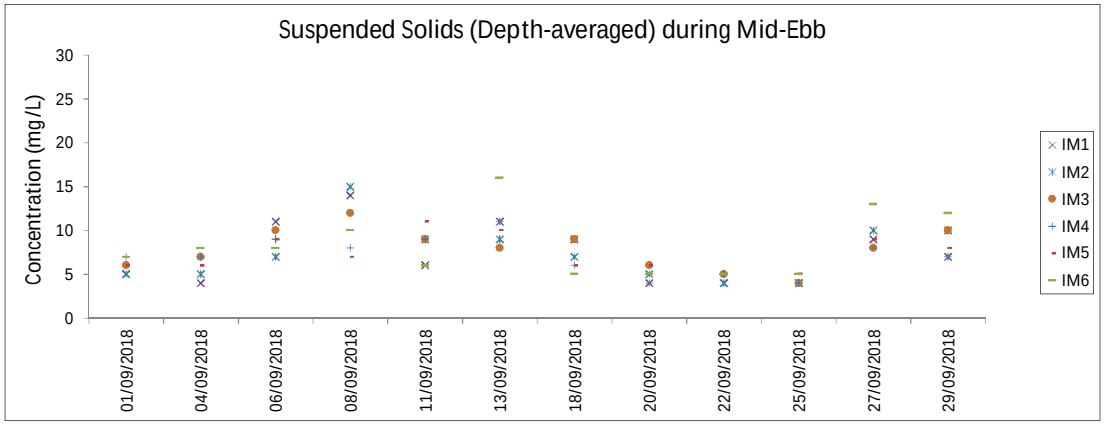


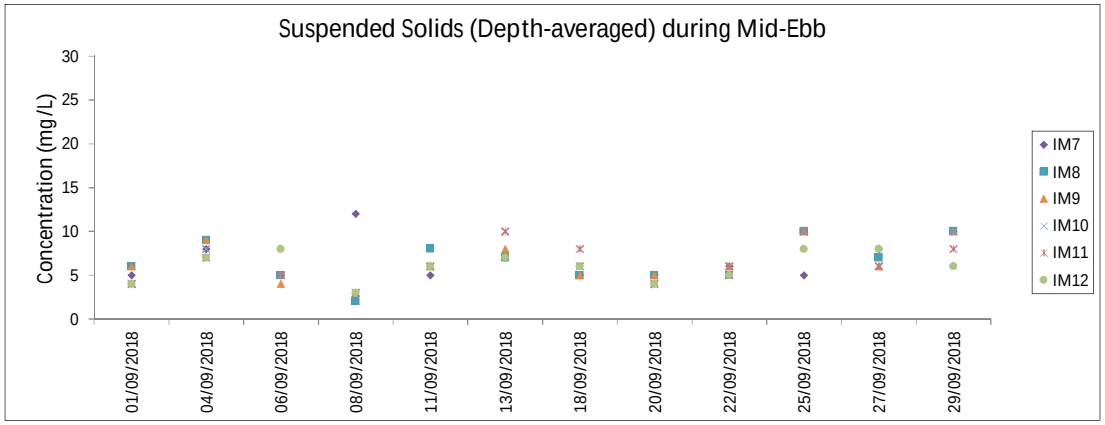


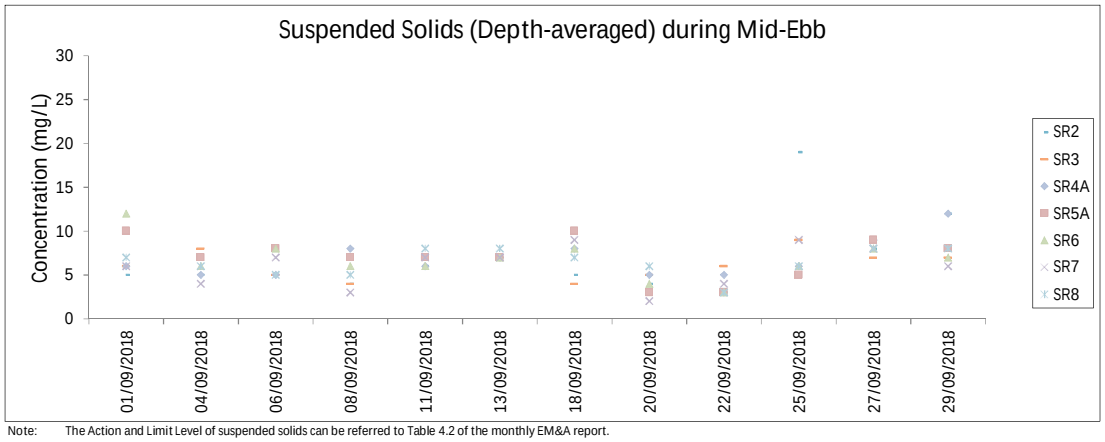


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

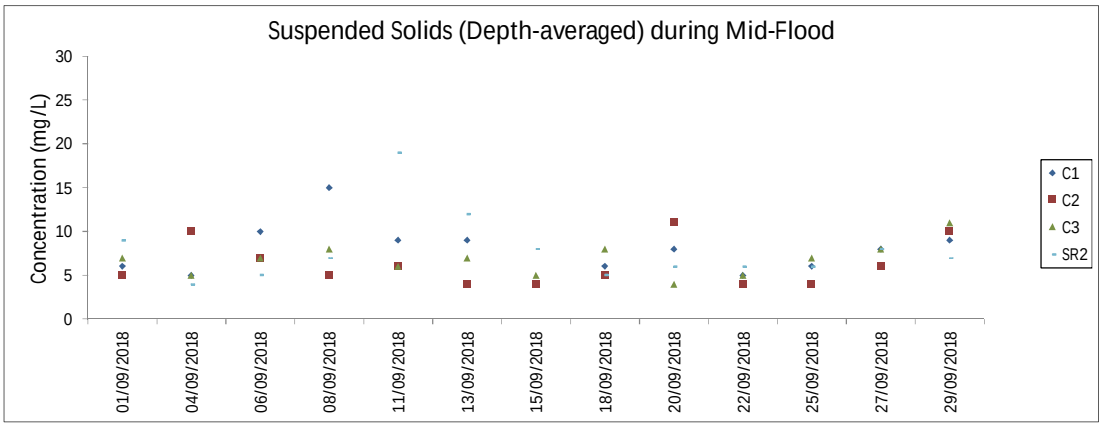


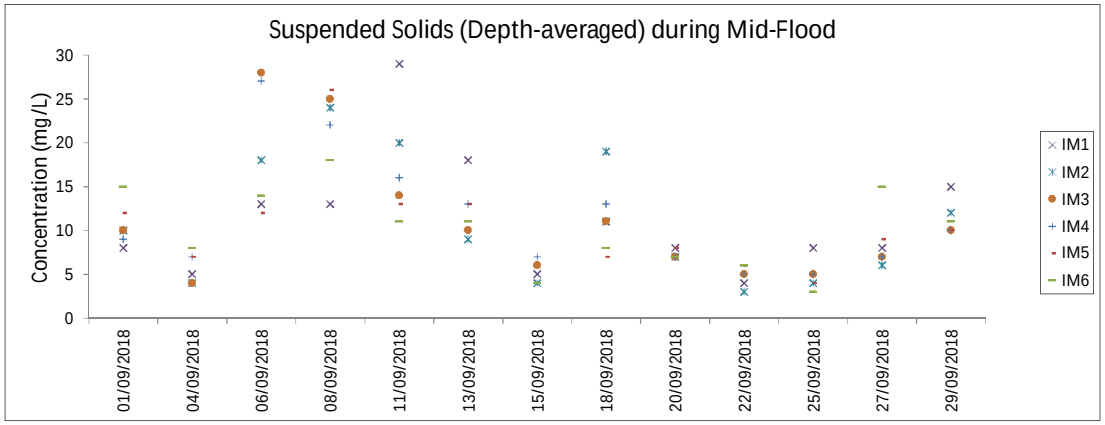


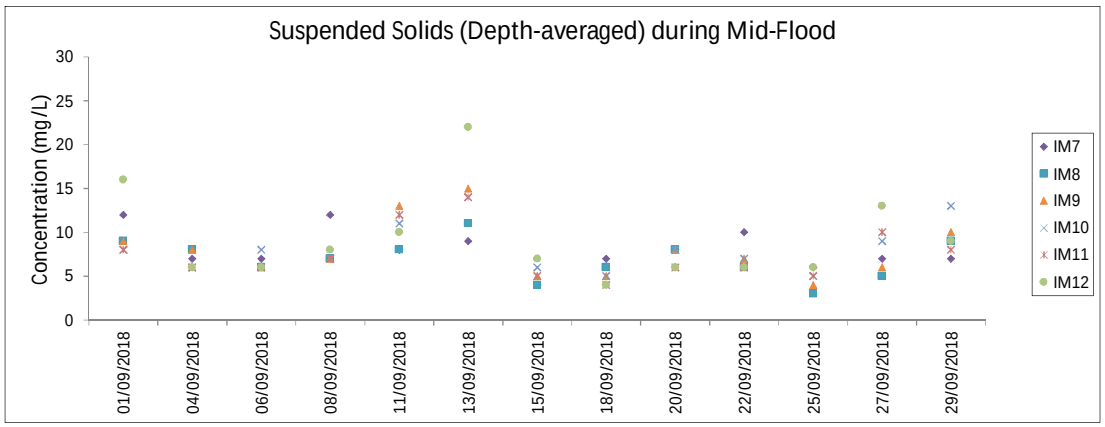


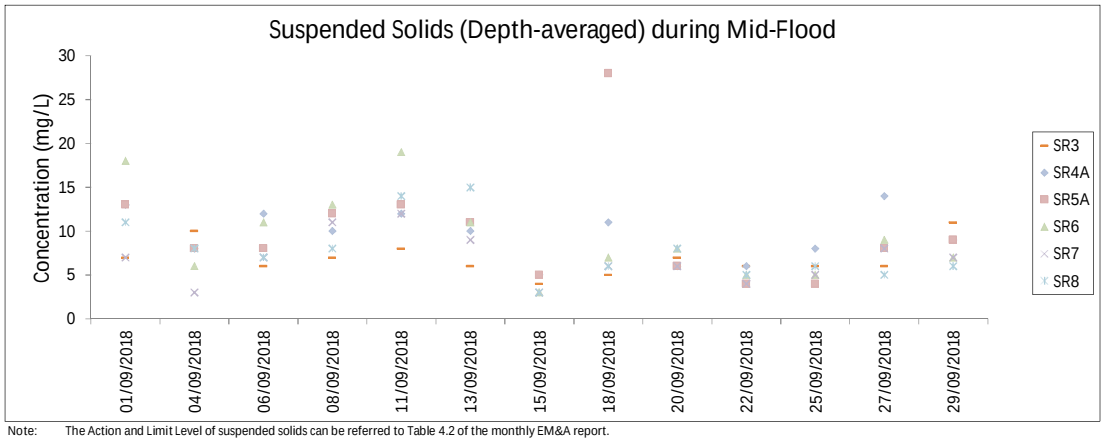


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

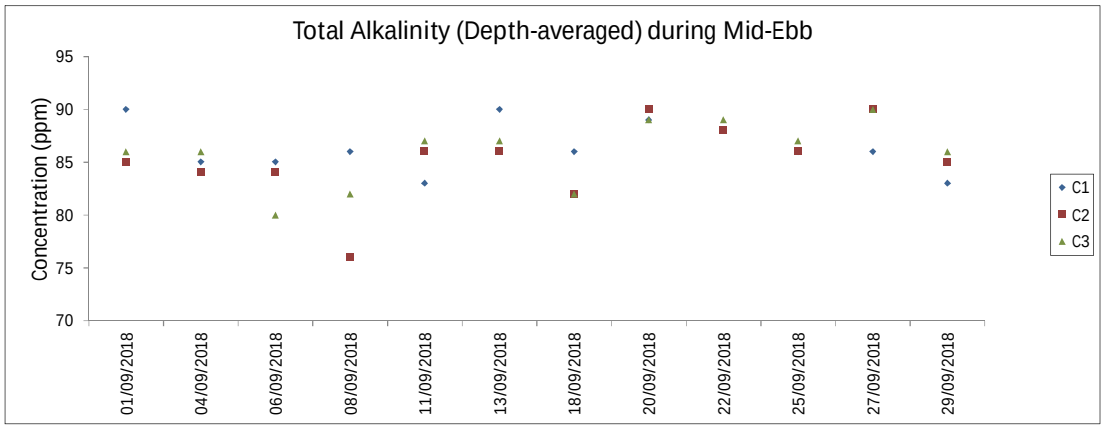


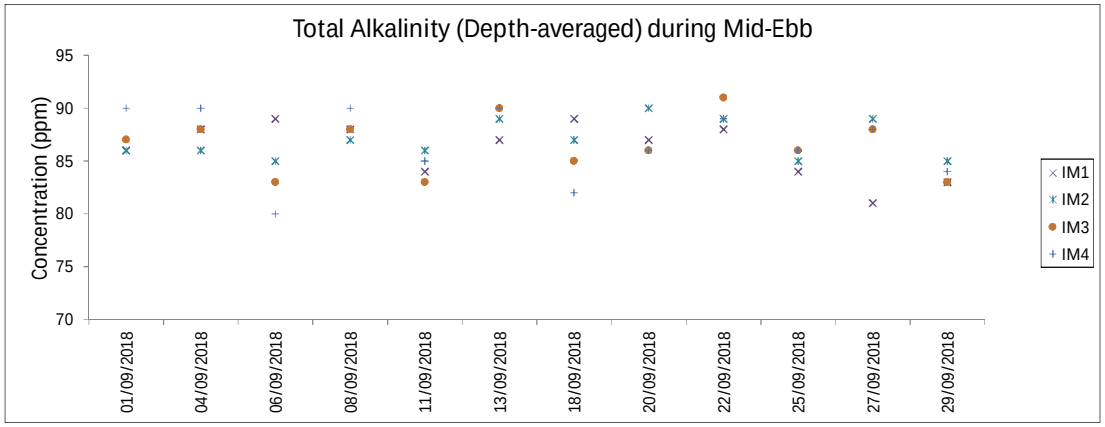


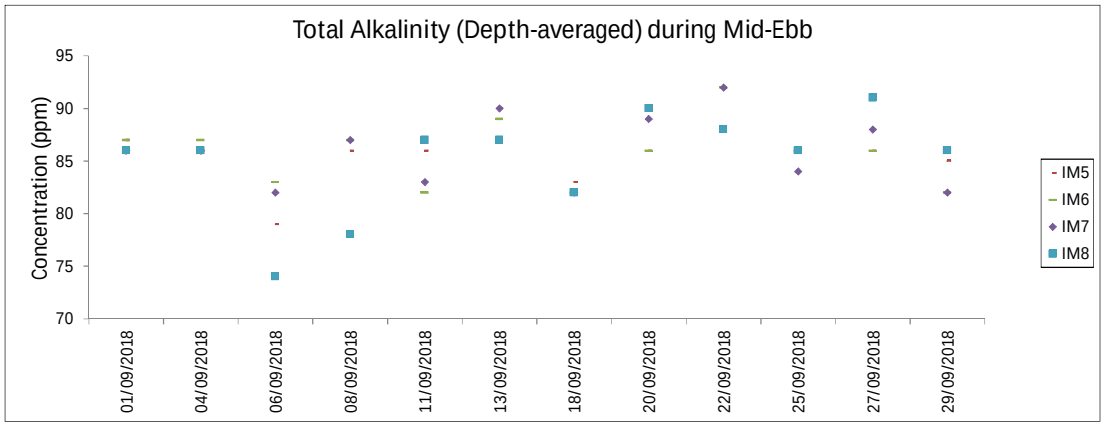


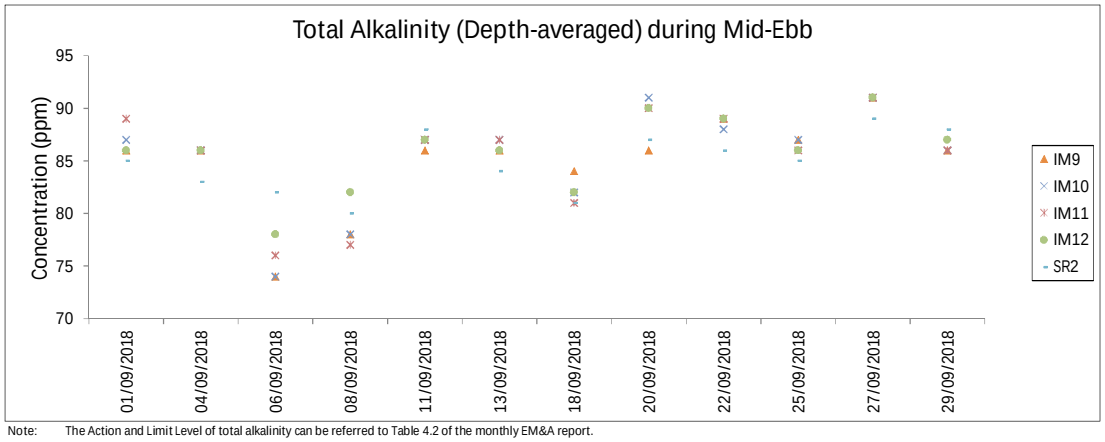


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

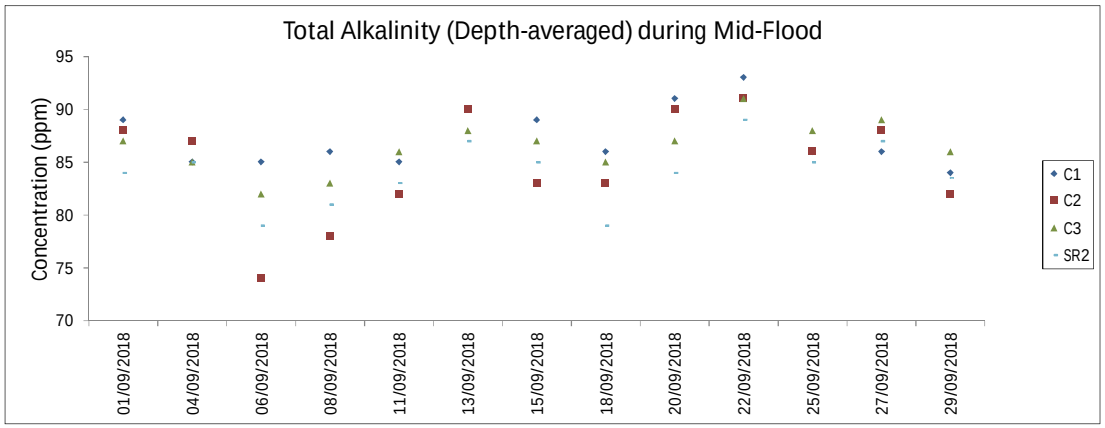


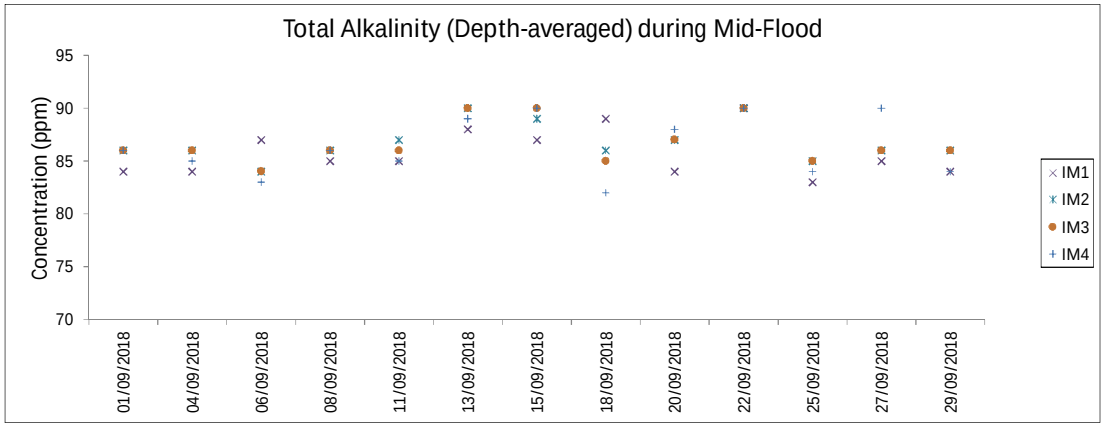


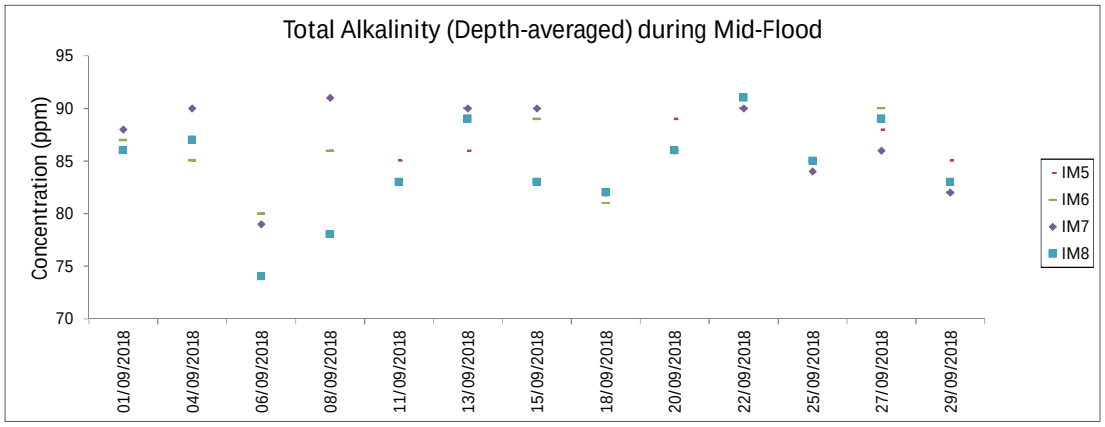


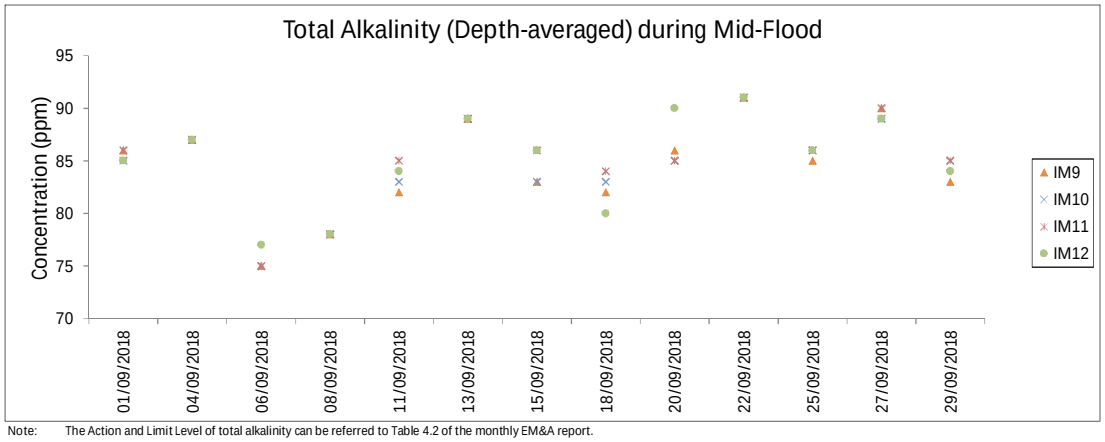


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

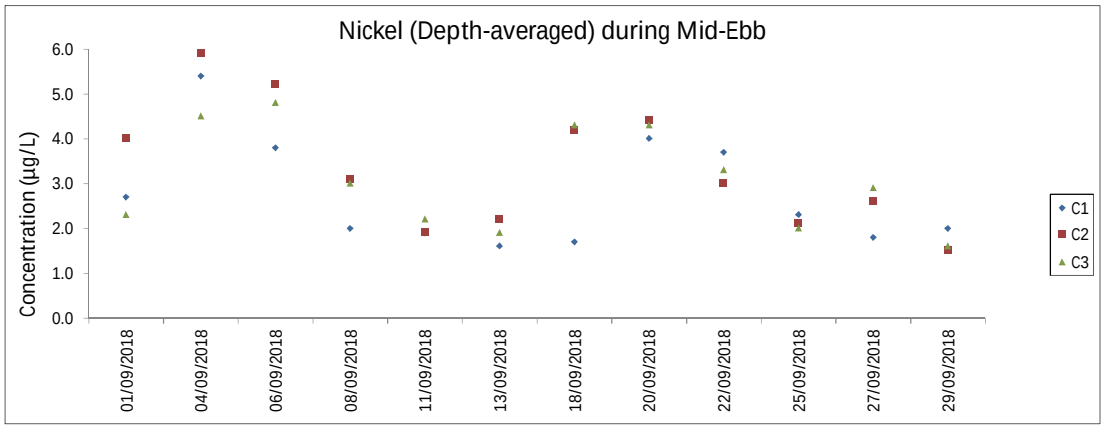


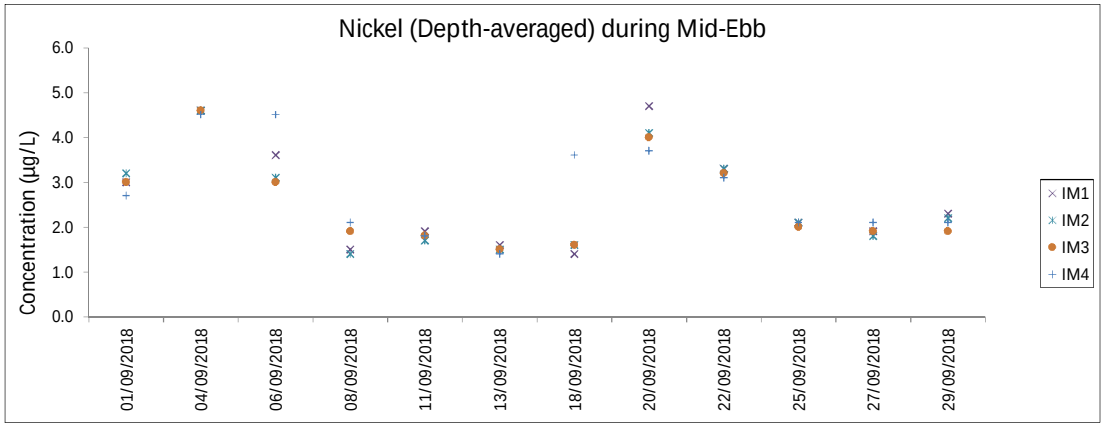


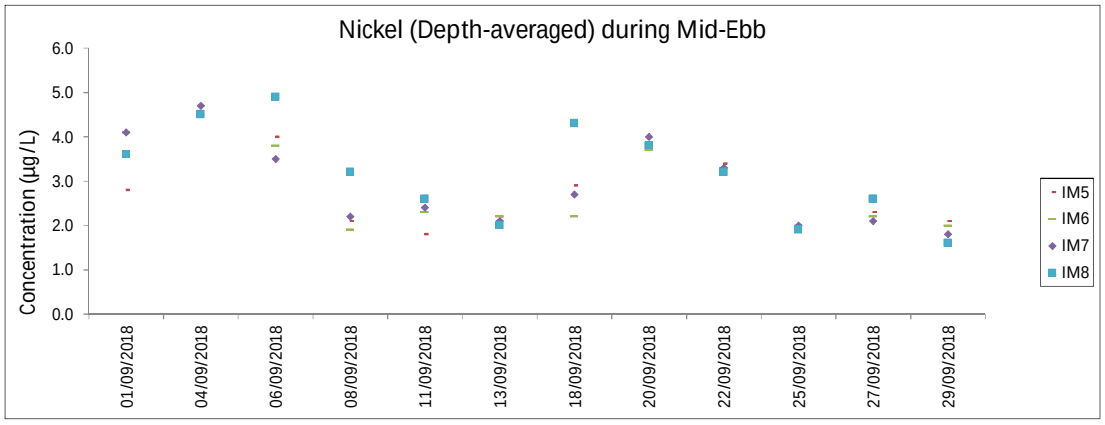


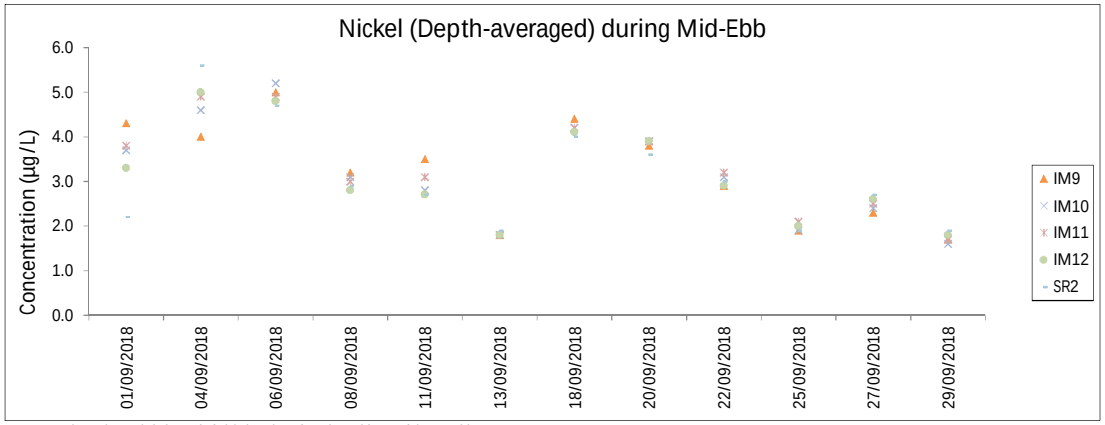


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

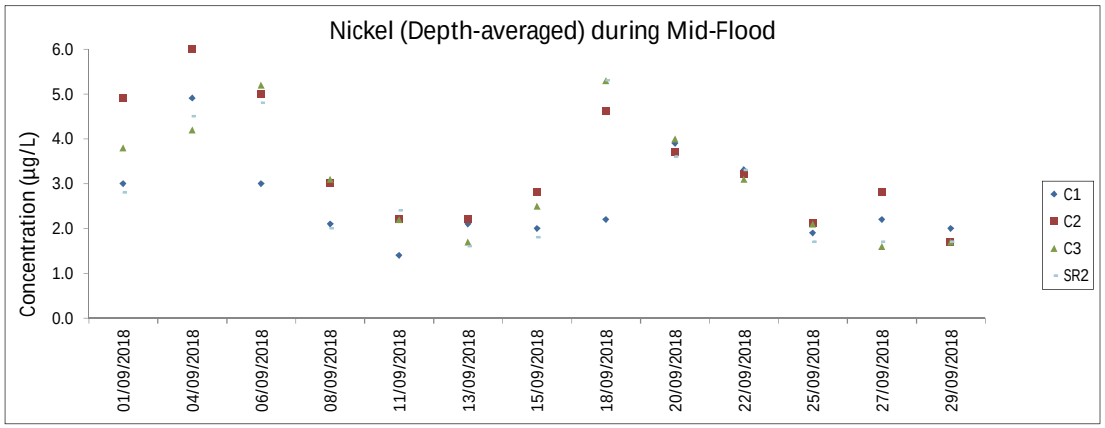


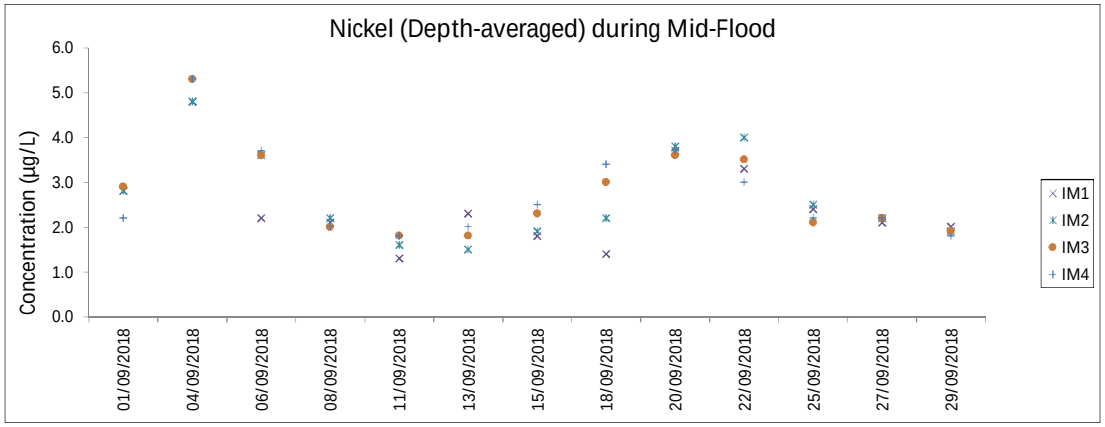


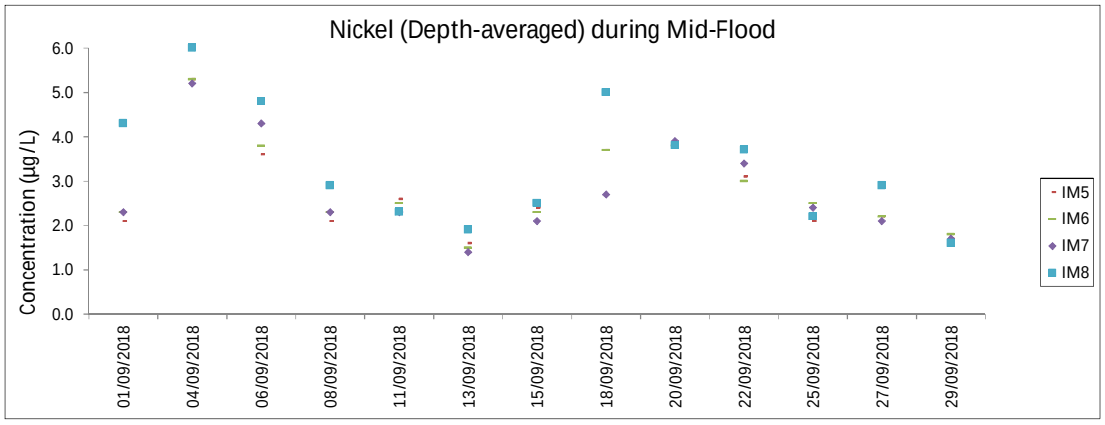


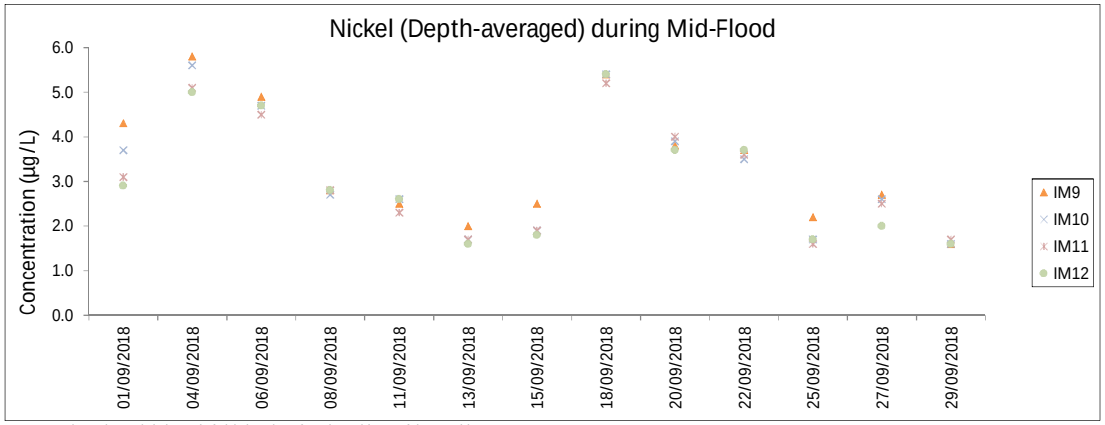


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/L.









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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
05-Jul-18	NWL	2	4.400	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	3	20.570	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	4	37.860	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	2	1.900	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	3	4.170	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	4	5.600	SUMMER	32166	3RS ET	S
09-Jul-18	NEL	2	7.900	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	3	21.800	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	4	7.500	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	2	2.400	SUMMER	32166	3RS ET	S
09-Jul-18	NEL	3	7.700	SUMMER	32166	3RS ET	S
11-Jul-18	AW	1	2.230	SUMMER	32166	3RS ET	P
11-Jul-18	AW	2	2.610	SUMMER	32166	3RS ET	P
11-Jul-18	WL	1	0.935	SUMMER	32166	3RS ET	P
11-Jul-18	WL	2	5.562	SUMMER	32166	3RS ET	P
11-Jul-18	WL	3	9.521	SUMMER	32166	3RS ET	P
11-Jul-18	WL	4	2.406	SUMMER	32166	3RS ET	P
11-Jul-18	WL	2	3.839	SUMMER	32166	3RS ET	S
11-Jul-18	WL	3	4.997	SUMMER	32166	3RS ET	S
11-Jul-18	WL	4	1.230	SUMMER	32166	3RS ET	S
17-Jul-18	AW	2	4.530	SUMMER	32166	3RS ET	P
17-Jul-18	WL	1	1.730	SUMMER	32166	3RS ET	P
17-Jul-18	WL	2	9.190	SUMMER	32166	3RS ET	P
17-Jul-18	WL	3	6.564	SUMMER	32166	3RS ET	P
17-Jul-18	WL	4	0.430	SUMMER	32166	3RS ET	P
17-Jul-18	WL	1	1.070	SUMMER	32166	3RS ET	S
17-Jul-18	WL	2	5.640	SUMMER	32166	3RS ET	S
17-Jul-18	WL	3	4.746	SUMMER	32166	3RS ET	S
19-Jul-18	NEL	2	20.870	SUMMER	32166	3RS ET	P
19-Jul-18	NEL	3	16.680	SUMMER	32166	3RS ET	P
19-Jul-18	NEL	2	8.630	SUMMER	32166	3RS ET	S
19-Jul-18	NEL	3	1.050	SUMMER	32166	3RS ET	S
20-Jul-18	NWL	1	9.440	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	2	19.567	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	3	33.930	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	2	3.400	SUMMER	32166	3RS ET	S
20-Jul-18	NWL	3	8.660	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	2	32.460	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	3	22.153	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	4	0.487	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	2	8.040	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	3	6.770	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	4	0.580	SUMMER	32166	3RS ET	S
30-Jul-18	SWL	2	37.816	SUMMER	32166	3RS ET	P
30-Jul-18	SWL	3	17.730	SUMMER	32166	3RS ET	P
30-Jul-18	SWL	2	12.124	SUMMER	32166	3RS ET	S
30-Jul-18	SWL	3	3.490	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
2-Aug-18	NWL	2	9.284	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	3	46.887	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	4	6.300	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	2	2.029	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	3	9.770	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	4	0.400	SUMMER	32166	3RS ET	S
7-Aug-18	AW	2	4.960	SUMMER	32166	3RS ET	P
7-Aug-18	WL	1	2.480	SUMMER	32166	3RS ET	P
7-Aug-18	WL	2	8.859	SUMMER	32166	3RS ET	P
7-Aug-18	WL	3	4.158	SUMMER	32166	3RS ET	P
7-Aug-18	WL	4	3.370	SUMMER	32166	3RS ET	P
7-Aug-18	WL	2	3.270	SUMMER	32166	3RS ET	S
7-Aug-18	WL	3	4.142	SUMMER	32166	3RS ET	S
7-Aug-18	WL	4	1.120	SUMMER	32166	3RS ET	S
16-Aug-18	NEL	1	0.900	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	2	29.510	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	3	7.200	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	1	0.400	SUMMER	32166	3RS ET	S
16-Aug-18	NEL	2	9.690	SUMMER	32166	3RS ET	S
17-Aug-18	NEL	2	35.410	SUMMER	32166	3RS ET	P
17-Aug-18	NEL	3	1.100	SUMMER	32166	3RS ET	P
17-Aug-18	NEL	2	9.880	SUMMER	32166	3RS ET	S
17-Aug-18	NEL	3	0.200	SUMMER	32166	3RS ET	S
20-Aug-18	NWL	1	9.500	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	2	51.800	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	3	1.300	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	1	1.000	SUMMER	32166	3RS ET	S
20-Aug-18	NWL	2	11.000	SUMMER	32166	3RS ET	S
21-Aug-18	AW	1	4.700	SUMMER	32166	3RS ET	P
21-Aug-18	WL	2	24.554	SUMMER	32166	3RS ET	P
21-Aug-18	WL	3	3.309	SUMMER	32166	3RS ET	P
21-Aug-18	WL	2	7.939	SUMMER	32166	3RS ET	S
21-Aug-18	WL	3	0.572	SUMMER	32166	3RS ET	S
22-Aug-18	SWL	2	50.350	SUMMER	32166	3RS ET	P
22-Aug-18	SWL	3	4.900	SUMMER	32166	3RS ET	P
22-Aug-18	SWL	2	13.170	SUMMER	32166	3RS ET	S
22-Aug-18	SWL	3	2.400	SUMMER	32166	3RS ET	S
23-Aug-18	SWL	2	51.850	SUMMER	32166	3RS ET	P
23-Aug-18	SWL	3	2.905	SUMMER	32166	3RS ET	P
23-Aug-18	SWL	2	11.220	SUMMER	32166	3RS ET	S
23-Aug-18	SWL	3	4.000	SUMMER	32166	3RS ET	S
7-Sep-18	SWL	1	0.800	AUTUMN	32166	3RS ET	P
7-Sep-18	SWL	2	43.560	AUTUMN	32166	3RS ET	P
7-Sep-18	SWL	3	11.660	AUTUMN	32166	3RS ET	P
7-Sep-18	SWL	1	1.500	AUTUMN	32166	3RS ET	S
7-Sep-18	SWL	2	8.130	AUTUMN	32166	3RS ET	S
7-Sep-18	SWL	3	4.900	AUTUMN	32166	3RS ET	S
10-Sep-18	NEL	2	37.280	AUTUMN	32166	3RS ET	P
10-Sep-18	NEL	2	8.640	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
10-Sep-18	NEL	3	1.080	AUTUMN	32166	3RS ET	S
14-Sep-18	NWL	1	1.400	AUTUMN	32166	3RS ET	P
14-Sep-18	NWL	2	58.520	AUTUMN	32166	3RS ET	P
14-Sep-18	NWL	3	3.600	AUTUMN	32166	3RS ET	P
14-Sep-18	NWL	2	11.780	AUTUMN	32166	3RS ET	S
18-Sep-18	NEL	2	4.900	AUTUMN	32166	3RS ET	P
18-Sep-18	NEL	3	28.270	AUTUMN	32166	3RS ET	P
18-Sep-18	NEL	4	4.070	AUTUMN	32166	3RS ET	P
18-Sep-18	NEL	2	1.000	AUTUMN	32166	3RS ET	S
18-Sep-18	NEL	3	8.260	AUTUMN	32166	3RS ET	S
18-Sep-18	NEL	4	1.000	AUTUMN	32166	3RS ET	S
19-Sep-18	SWL	2	42.334	AUTUMN	32166	3RS ET	P
19-Sep-18	SWL	3	12.170	AUTUMN	32166	3RS ET	P
19-Sep-18	SWL	2	13.810	AUTUMN	32166	3RS ET	S
19-Sep-18	SWL	3	0.900	AUTUMN	32166	3RS ET	S
20-Sep-18	AW	2	4.940	AUTUMN	32166	3RS ET	P
20-Sep-18	WL	2	6.421	AUTUMN	32166	3RS ET	P
20-Sep-18	WL	3	11.471	AUTUMN	32166	3RS ET	P
20-Sep-18	WL	2	5.212	AUTUMN	32166	3RS ET	S
20-Sep-18	WL	3	6.235	AUTUMN	32166	3RS ET	S
21-Sep-18	AW	2	4.690	AUTUMN	32166	3RS ET	P
21-Sep-18	WL	2	4.136	AUTUMN	32166	3RS ET	P
21-Sep-18	WL	3	13.589	AUTUMN	32166	3RS ET	P
21-Sep-18	WL	2	2.288	AUTUMN	32166	3RS ET	S
21-Sep-18	WL	3	7.393	AUTUMN	32166	3RS ET	S
26-Sep-18	NWL	2	40.190	AUTUMN	32166	3RS ET	P
26-Sep-18	NWL	3	21.690	AUTUMN	32166	3RS ET	P
26-Sep-18	NWL	2	6.418	AUTUMN	32166	3RS ET	S
26-Sep-18	NWL	3	3.520	AUTUMN	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. July and August 2018) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-Jul-18	1	1007	CWD	2	WL	2	569	ON	3RS ET	22.2873	113.8608	SUMMER	NONE	P
11-Jul-18	2	1027	CWD	1	WL	2	151	ON	3RS ET	22.2731	113.8471	SUMMER	NONE	S
11-Jul-18	3	1045	CWD	1	WL	2	247	ON	3RS ET	22.2692	113.8602	SUMMER	NONE	P
11-Jul-18	4	1108	CWD	1	WL	3	470	ON	3RS ET	22.2601	113.8498	SUMMER	NONE	P
11-Jul-18	5	1212	CWD	1	WL	3	303	ON	3RS ET	22.2232	113.8315	SUMMER	NONE	P
11-Jul-18	6	1237	CWD	3	WL	3	201	ON	3RS ET	22.2132	113.8211	SUMMER	NONE	P
11-Jul-18	7	1308	CWD	12	WL	3	159	ON	3RS ET	22.2050	113.8345	SUMMER	NONE	P
11-Jul-18	8	1403	CWD	10	WL	3	163	ON	3RS ET	22.1950	113.8422	SUMMER	NONE	S
17-Jul-18	1	1033	CWD	3	WL	2	696	ON	3RS ET	22.2607	113.8455	SUMMER	NONE	P
17-Jul-18	2	1100	CWD	1	WL	2	83	ON	3RS ET	22.2504	113.8371	SUMMER	NONE	P
17-Jul-18	3	1122	CWD	3	WL	3	501	ON	3RS ET	22.2415	113.8447	SUMMER	NONE	P
17-Jul-18	4	1201	CWD	1	WL	3	90	ON	3RS ET	22.2148	113.8195	SUMMER	NONE	S
17-Jul-18	5	1232	CWD	3	WL	3	46	ON	3RS ET	22.2009	113.8247	SUMMER	NONE	S
20-Jul-18	1	1040	CWD	1	NWL	3	680	ON	3RS ET	22.2720	113.8702	SUMMER	NONE	P
20-Jul-18	2	1233	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3495	113.8832	SUMMER	NONE	P
20-Jul-18	3	1251	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3446	113.8860	SUMMER	NONE	P
26-Jul-18	1	1152	CWD	2	SWL	2	30	ON	3RS ET	22.1924	113.8878	SUMMER	NONE	P
26-Jul-18	2	1255	CWD	1	SWL	2	28	ON	3RS ET	22.1821	113.8982	SUMMER	NONE	P
26-Jul-18	3	1412	FP	2	SWL	3	52	ON	3RS ET	22.1540	113.9177	SUMMER	NONE	P
30-Jul-18	1	1244	CWD	1	SWL	3	252	ON	3RS ET	22.1949	113.8973	SUMMER	NONE	P
30-Jul-18	2	1317	CWD	2	SWL	2	85	ON	3RS ET	22.1986	113.9080	SUMMER	NONE	P
30-Jul-18	3	1345	CWD	3	SWL	3	401	ON	3RS ET	22.1717	113.9079	SUMMER	NONE	P
30-Jul-18	4	1611	CWD	3	SWL	2	219	ON	3RS ET	22.2085	113.9363	SUMMER	NONE	P
2-Aug-18	1	1029	CWD	15	NWL	2	999	ON	3RS ET	22.2945	113.8705	SUMMER	NONE	P
2-Aug-18	2	1122	CWD	1	NWL	3	12	ON	3RS ET	22.2741	113.8705	SUMMER	NONE	P
2-Aug-18	3	1156	CWD	2	NWL	2	17	ON	3RS ET	22.2901	113.8786	SUMMER	NONE	P
7-Aug-18	1	1008	CWD	2	WL	1	250	ON	3RS ET	22.2920	113.8613	SUMMER	NONE	P
7-Aug-18	2	1043	CWD	5	WL	2	69	ON	3RS ET	22.2642	113.8578	SUMMER	NONE	S
7-Aug-18	3	1328	CWD	2	WL	2	524	ON	3RS ET	22.2027	113.8233	SUMMER	NONE	S
7-Aug-18	4	1344	CWD	5	WL	2	352	ON	3RS ET	22.1966	113.8411	SUMMER	NONE	P
17-Aug-18	1	1149	CWD	1	NEL	2	8	ON	3RS ET	22.3387	113.9562	SUMMER	NONE	P
21-Aug-18	1	1025	CWD	2	WL	2	22	ON	3RS ET	22.2688	113.8601	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
21-Aug-18	2	1052	CWD	5	WL	2	267	ON	3RS ET	22.2526	113.8343	SUMMER	NONE	S
21-Aug-18	3	1133	CWD	1	WL	2	380	ON	3RS ET	22.2417	113.8352	SUMMER	NONE	P
21-Aug-18	4	1149	CWD	1	WL	2	181	ON	3RS ET	22.2357	113.8253	SUMMER	NONE	S
21-Aug-18	5	1209	CWD	8	WL	2	93	ON	3RS ET	22.2226	113.8359	SUMMER	NONE	P
21-Aug-18	6	1241	CWD	2	WL	2	26	ON	3RS ET	22.2140	113.8291	SUMMER	NONE	P
21-Aug-18	7	1304	CWD	2	WL	2	26	ON	3RS ET	22.2055	113.8303	SUMMER	NONE	P
21-Aug-18	8	1320	CWD	5	WL	2	160	ON	3RS ET	22.2039	113.8222	SUMMER	NONE	S
21-Aug-18	9	1340	CWD	2	WL	3	162	ON	3RS ET	22.1963	113.8415	SUMMER	NONE	P
22-Aug-18	1	1439	CWD	3	SWL	2	17	ON	3RS ET	22.1860	113.8689	SUMMER	NONE	P
23-Aug-18	1	1457	CWD	1	SWL	2	161	ON	3RS ET	22.1881	113.8592	SUMMER	NONE	P
23-Aug-18	2	1522	CWD	5	SWL	2	263	ON	3RS ET	22.1842	113.8491	SUMMER	NONE	P
7-Sep-18	1	1408	FP	1	SWL	2	244	ON	3RS ET	22.1951	113.9275	AUTUMN	NONE	P
7-Sep-18	2	1425	FP	5	SWL	2	147	ON	3RS ET	22.1751	113.9282	AUTUMN	NONE	P
14-Sep-18	1	1326	CWD	1	NWL	2	38	ON	3RS ET	22.3994	113.8982	AUTUMN	NONE	P
19-Sep-18	1	1041	CWD	9	SWL	2	808	ON	3RS ET	22.1925	113.8590	AUTUMN	NONE	P
19-Sep-18	2	1112	CWD	3	SWL	2	208	ON	3RS ET	22.1937	113.8589	AUTUMN	NONE	P
19-Sep-18	3	1303	CWD	1	SWL	3	49	ON	3RS ET	22.1726	113.8970	AUTUMN	NONE	P
20-Sep-18	1	1025	CWD	5	WL	3	38	ON	3RS ET	22.2686	113.8478	AUTUMN	NONE	P
20-Sep-18	2	1047	CWD	10	WL	2	18	ON	3RS ET	22.2686	113.8526	AUTUMN	NONE	P
20-Sep-18	3	1108	CWD	1	WL	2	72	ON	3RS ET	22.2600	113.8497	AUTUMN	NONE	P
20-Sep-18	4	1135	CWD	3	WL	3	66	ON	3RS ET	22.2416	113.8462	AUTUMN	NONE	P
20-Sep-18	5	1145	CWD	2	WL	3	8	ON	3RS ET	22.2415	113.8406	AUTUMN	NONE	P
20-Sep-18	6	1250	CWD	7	WL	3	77	ON	3RS ET	22.1964	113.8414	AUTUMN	NONE	P
20-Sep-18	7	1317	CWD	1	WL	3	83	ON	3RS ET	22.1871	113.8399	AUTUMN	NONE	P
20-Sep-18	8	1327	CWD	2	WL	3	81	ON	3RS ET	22.1870	113.8312	AUTUMN	NONE	P
21-Sep-18	1	1026	CWD	6	WL	3	44	ON	3RS ET	22.2688	113.8523	AUTUMN	NONE	P
21-Sep-18	2	1105	CWD	2	WL	3	520	ON	3RS ET	22.2499	113.8394	AUTUMN	NONE	P
21-Sep-18	3	1142	CWD	3	WL	3	4	ON	3RS ET	22.2285	113.8377	AUTUMN	NONE	S
21-Sep-18	4	1208	CWD	6	WL	3	279	ON	3RS ET	22.2143	113.8313	AUTUMN	NONE	P
21-Sep-18	5	1237	CWD	1	WL	2	2	ON	3RS ET	22.2135	113.8351	AUTUMN	NONE	P
21-Sep-18	6	1306	CWD	4	WL	3	57	ON	3RS ET	22.1957	113.8348	AUTUMN	NONE	P
26-Sep-18	1	1030	CWD	2	NWL	2	77	ON	3RS ET	22.2832	113.8697	AUTUMN	NONE	P
26-Sep-18	2	1050	CWD	1	NWL	2	125	ON	3RS ET	22.2713	113.8721	AUTUMN	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
26-Sep-18	3	1221	CWD	1	NWL	3	387	ON	3RS ET	22.3863	113.8878	AUTUMN	NONE	P
26-Sep-18	4	1426	CWD	1	NWL	2	131	ON	3RS ET	22.3659	113.9188	AUTUMN	NONE	S

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association; P/S = Primary Transect / Secondary Transect

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. July and August 2018) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

Calculation of the September 2018 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 442.687 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 22 on-effort sightings and total number of 72 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in September 2018 are shown as below:

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

$$STG = \frac{22}{442.687}\ x\ 100 = 4.97$$

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

$$ANI = \frac{72}{442.687}\ x\ 100 = 16.26$$

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

A total of 1286.099 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 62 on-effort sightings and total number of 197 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

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

$$STG = \frac{62}{1286.099}\ x\ 100 = 4.82$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{197}{1286.099}\ x\ 100 = 15.32$$

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

NLMM013_20180914_1_3

NLMM020_20180919_1_2

SLMM034_20180919_1_3

SLMM049_20180919_1_1

SLMM060_20180919_1_3

WLMM007_20190919_1_2

WLMM056_20180919_1_5

WLMM114_20180919_1_9

SLMM060_20180919_2_7

NLMM001_20180920_1_5

NLMM058_20180920_1_3

WLMM013_20180920_1_2

WLMM122_20180920_1_3

NLMM013_20180920_2_7

WLMM060_20180920_2_3_Lower

WLMM071_20180920_2_4

WLMM086_20180920_2_2

WLMM090_20180920_2_4_Right

WLMM091_20180920_2_4

WLMM092_20180920_2_2

NLMM023_20180920_3_2

NLMM001_20180920_4_1

WLMM122_20180920_4_2

WLMM123_20180920_4_6

WLMM013_20180920_5_1

WLMM076_20180920_6_5

WLMM081_20180920_6_2

WLMM124_20180920_6_5

WLMM125_20180920_6_1

WLMM126_20180920_6_1

NLMM012_20180921_1_1

WLMM049_20180921_3_14

WLMM127_20180921_3_3	WLMM128_20180921_3_2_Left
NLMM005_20180921_4_5	WLMM043_20180921_4_10
WLMM129_20180921_6_3	NLMM040_20180926_1_3
NLMM041_20180926_1_4	SLMM045_20180926_2_2

NLMM006_20180926_3_4	NLMM052_20180926_4_4

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
4/Sep/18	Lung Kwu Chau	8:42	14:42	6:00	2	2	2	1-3
5/Sep/18	Sha Chau	8:31	14:31	6:00	2	2	0	N/A
14/Sep/18	Lung Kwu Chau	8:42	14:42	6:00	2	2-4	4	2-3
18/Sep/18	Sha Chau	9:00	15:00	6:00	3	2	0	N/A
26/Sep/18	Lung Kwu Chau	9:03	15:03	6:00	2-3	3	5	1-4

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

Terrestrial Ecological Monitoring

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

Photo record of View 1

Photo record of View 2