Appendix C. Monitoring Results

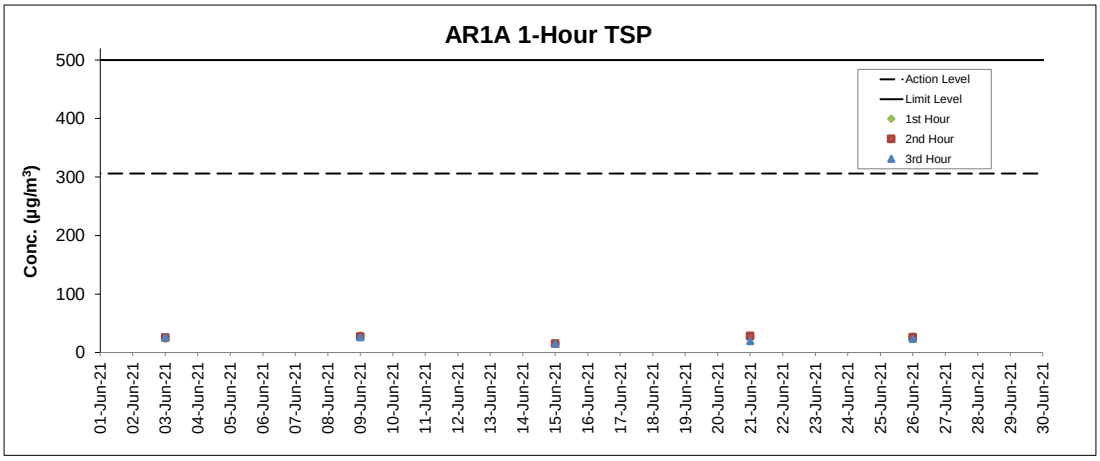
Air Quality Monitoring Results

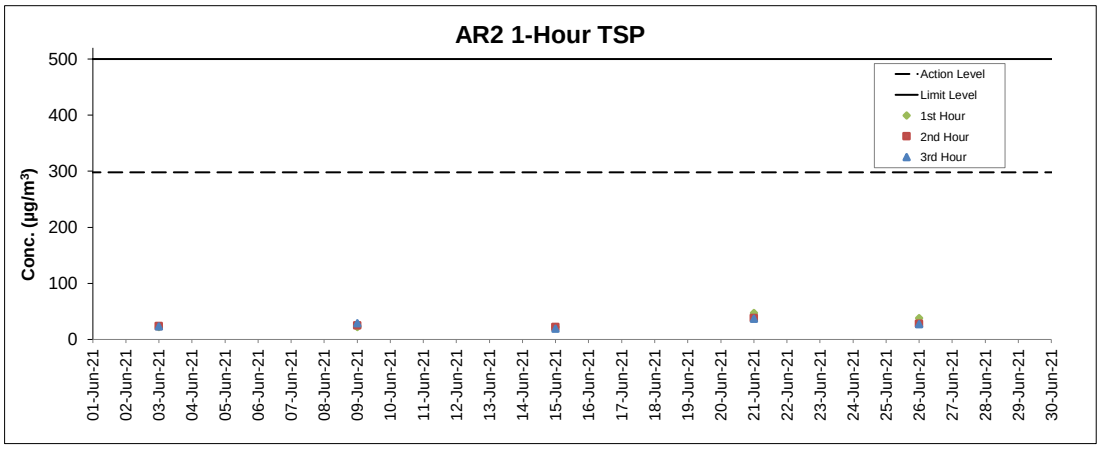
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Jun-21	13:25	Cloudy	3.9	212	23	306	500
03-Jun-21	14:25	Cloudy	2.8	Variable	25	306	500
03-Jun-21	15:25	Cloudy	3.3	36	26	306	500
09-Jun-21	13:32	Cloudy	1.7	242	29	306	500
09-Jun-21	14:32	Cloudy	1.4	Variable	27	306	500
09-Jun-21	15:32	Cloudy	2.8	90	26	306	500
15-Jun-21	13:55	Cloudy	8.3	227	16	306	500
15-Jun-21	14:55	Cloudy	7.8	226	15	306	500
15-Jun-21	15:55	Cloudy	8.6	226	15	306	500
21-Jun-21	14:05	Cloudy	8.3	233	26	306	500
21-Jun-21	15:05	Cloudy	2.5	216	28	306	500
21-Jun-21	16:05	Cloudy	5.0	215	19	306	500
26-Jun-21	14:30	Cloudy	4.2	208	27	306	500
26-Jun-21	15:30	Cloudy	4.7	213	26	306	500
26-Jun-21	16:30	Cloudy	3.6	233	23	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)
03-Jun-21	11:45	Sunny	4.2	144	22	298	500
03-Jun-21	12:45	Sunny	4.4	208	24	298	500
03-Jun-21	13:45	Sunny	3.3	215	23	298	500
09-Jun-21	9:05	Cloudy	3.9	67	22	298	500
09-Jun-21	10:05	Cloudy	3.1	99	25	298	500
09-Jun-21	11:05	Cloudy	5.0	248	29	298	500
15-Jun-21	10:01	Cloudy	5.8	202	22	298	500
15-Jun-21	11:01	Cloudy	5.3	212	22	298	500
15-Jun-21	12:01	Cloudy	3.6	232	19	298	500
21-Jun-21	14:41	Cloudy	5.0	343	47	298	500
21-Jun-21	15:41	Cloudy	6.7	232	38	298	500
21-Jun-21	16:41	Cloudy	3.9	Variable	37	298	500
26-Jun-21	10:50	Cloudy	1.7	79	38	298	500
26-Jun-21	11:50	Cloudy	1.9	266	28	298	500
26-Jun-21	12:50	Cloudy	3.3	175	27	298	500





Notes
1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
03-Jun-21	Cloudy	13:21	74.6	60.5	67*
03-Jun-21	Cloudy	13:26	74.2	59.9	
03-Jun-21	Cloudy	13:31	78.5	62.8	
03-Jun-21	Cloudy	13:36	76.2	60.7	
03-Jun-21	Cloudy	13:41	74.3	61.9	
03-Jun-21	Cloudy	13:46	71.7	54.1	
09-Jun-21	Cloudy	16:33	73.0	65.3	67*
09-Jun-21	Cloudy	16:38	73.1	66.9	
09-Jun-21	Cloudy	16:43	73.2	66.3	
09-Jun-21	Cloudy	16:48	72.0	65.4	
09-Jun-21	Cloudy	16:53	72.4	64.5	
09-Jun-21	Cloudy	16:58	73.9	64.8	
15-Jun-21	Cloudy	14:48	69.8	56.4	67*
15-Jun-21	Cloudy	14:53	72.4	57.9	
15-Jun-21	Cloudy	14:58	74.7	58.0	
15-Jun-21	Cloudy	15:03	74.9	58.3	
15-Jun-21	Cloudy	15:08	71.1	58.3	
15-Jun-21	Cloudy	15:13	74.2	57.9	
21-Jun-21	Sunny	12:42	73.9	55.2	73
21-Jun-21	Sunny	12:47	74.5	55.0	
21-Jun-21	Sunny	12:52	72.8	56.6	
21-Jun-21	Sunny	12:57	74.4	53.8	
21-Jun-21	Sunny	13:02	74.7	54.5	
21-Jun-21	Sunny	13:07	74.8	53.2	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.

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) ^
01-Jun-21	Cloudy	8:30	61.5	58.5	62
01-Jun-21	Cloudy	8:35	60.5	56.7	
01-Jun-21	Cloudy	8:40	59.8	57.8	
01-Jun-21	Cloudy	8:45	60.8	57.9	
01-Jun-21	Cloudy	8:50	59.9	57.2	
01-Jun-21	Cloudy	8:55	60.3	57.4	
11-Jun-21	Sunny	11:00	NA	NA	NA
11-Jun-21	Sunny	11:05	NA	NA	
11-Jun-21	Sunny	11:10	NA	NA	
11-Jun-21	Sunny	11:15	NA	NA	
11-Jun-21	Sunny	11:20	NA	NA	
11-Jun-21	Sunny	11:25	NA	NA	
17-Jun-21	Cloudy	13:32	59.8	56.4	63
17-Jun-21	Cloudy	13:37	60.5	56.4	
17-Jun-21	Cloudy	13:42	59.7	56.5	
17-Jun-21	Cloudy	13:47	63.8	56.8	
17-Jun-21	Cloudy	13:52	63.4	57.0	
17-Jun-21	Cloudy	13:57	61.8	56.4	
24-Jun-21	Cloudy	12:49	60.4	56.4	62
24-Jun-21	Cloudy	12:54	59.0	56.1	
24-Jun-21	Cloudy	12:59	60.2	55.5	
24-Jun-21	Cloudy	13:04	58.9	55.7	
24-Jun-21	Cloudy	13:09	60.0	55.9	
24-Jun-21	Cloudy	13:14	61.1	56.2	
30-Jun-21	Cloudy	13:50	64.7	57.7	66
30-Jun-21	Cloudy	13:55	63.1	58.6	
30-Jun-21	Cloudy	14:00	62.5	59.3	
30-Jun-21	Cloudy	14:05	63.9	58.9	
30-Jun-21	Cloudy	14:10	64.2	58.7	
30-Jun-21	Cloudy	14:15	65.5	59.7	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
NA: Abnormal result, which may be caused by malfunction of monitoring equipment, was recorded. The measurement result was discarded after review.
Limit Level at NM4 was reduced to 65 dB(A) during school examination period from 31 May to 4 June 2021; while Basic Competency Assessment took place on 7, 8, 11, 15, 16, and 21 June during this reporting period.

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

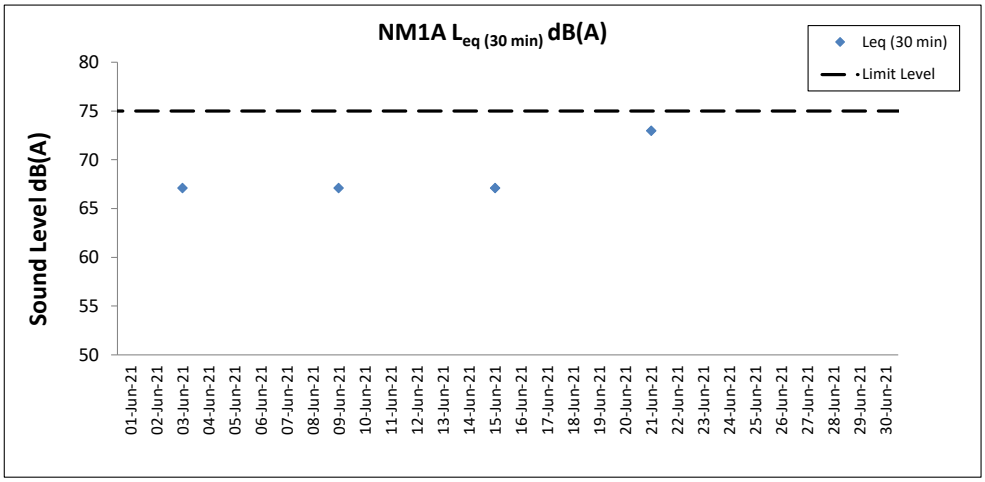
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
03-Jun-21	Sunny	12:00	64.5	59.6	65*
03-Jun-21	Sunny	12:05	64.5	60.4	
03-Jun-21	Sunny	12:10	65.6	61.0	
03-Jun-21	Sunny	12:15	63.2	59.6	
03-Jun-21	Sunny	12:20	66.0	60.8	
03-Jun-21	Sunny	12:25	64.9	59.6	
09-Jun-21	Cloudy	9:18	63.6	55.3	59*
09-Jun-21	Cloudy	9:23	58.9	55.0	
09-Jun-21	Cloudy	9:28	60.5	55.7	
09-Jun-21	Cloudy	9:33	59.5	55.8	
09-Jun-21	Cloudy	9:38	59.6	56.0	
09-Jun-21	Cloudy	9:43	60.1	56.5	
15-Jun-21	Cloudy	11:31	65.9	48.9	62*
15-Jun-21	Cloudy	11:36	59.7	48.6	
15-Jun-21	Cloudy	11:41	61.2	51.0	
15-Jun-21	Cloudy	11:46	63.7	53.1	
15-Jun-21	Cloudy	11:51	64.7	59.4	
15-Jun-21	Cloudy	11:56	61.9	57.6	
21-Jun-21	Cloudy	14:50	53.4	44.9	55
21-Jun-21	Cloudy	14:55	51.5	44.9	
21-Jun-21	Cloudy	15:00	47.6	44.2	
21-Jun-21	Cloudy	15:05	49.1	43.7	
21-Jun-21	Cloudy	15:10	59.2	43.9	
21-Jun-21	Cloudy	15:15	51.9	44.8	

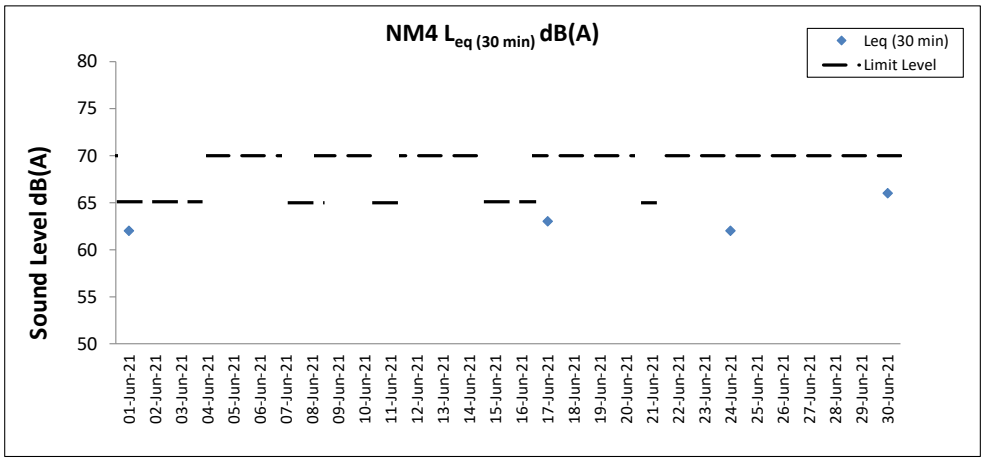
Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.

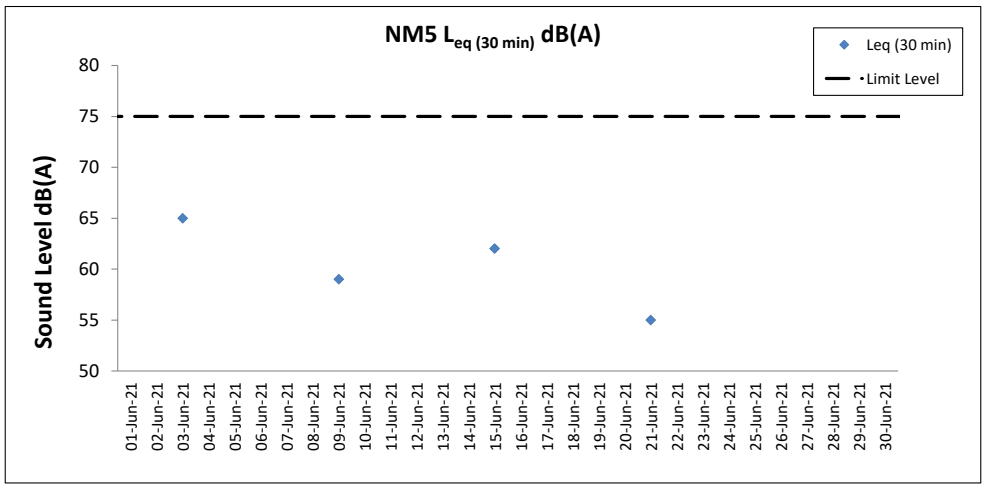
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

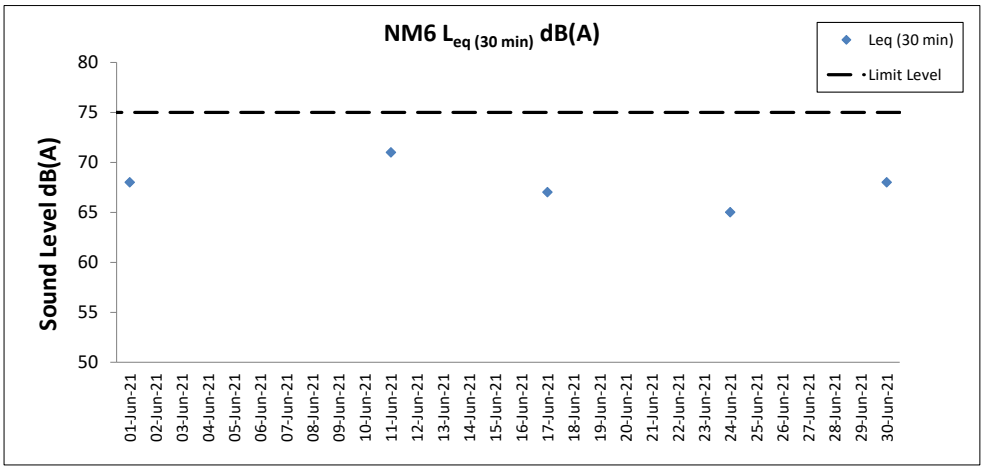
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
01-Jun-21	Cloudy	18:30	68.5	65.4	68*
01-Jun-21	Cloudy	18:35	68.4	65.1	
01-Jun-21	Cloudy	18:40	71.8	65.6	
01-Jun-21	Cloudy	18:45	69.8	65.5	
01-Jun-21	Cloudy	18:50	68.0	65.1	
01-Jun-21	Cloudy	18:55	69.0	65.6	
11-Jun-21	Sunny	9:55	68.9	57.3	71*
11-Jun-21	Sunny	10:00	76.5	59.0	
11-Jun-21	Sunny	10:05	69.3	60.9	
11-Jun-21	Sunny	10:10	79.1	57.9	
11-Jun-21	Sunny	10:15	69.1	56.5	
11-Jun-21	Sunny	10:20	74.2	57.6	
17-Jun-21	Cloudy	15:45	61.7	53.6	67
17-Jun-21	Cloudy	15:50	69.0	55.0	
17-Jun-21	Cloudy	15:55	68.9	57.4	
17-Jun-21	Cloudy	16:00	68.7	57.8	
17-Jun-21	Cloudy	16:05	67.3	57.7	
17-Jun-21	Cloudy	16:10	65.5	57.6	
24-Jun-21	Cloudy	15:40	56.1	45.3	65
24-Jun-21	Cloudy	15:45	62.4	49.8	
24-Jun-21	Cloudy	15:50	59.0	51.3	
24-Jun-21	Cloudy	15:55	55.1	50.7	
24-Jun-21	Cloudy	16:00	56.7	50.8	
24-Jun-21	Cloudy	16:05	59.0	50.8	
30-Jun-21	Cloudy	15:40	60.6	52.7	68
30-Jun-21	Cloudy	15:45	64.1	53.2	
30-Jun-21	Cloudy	15:50	64.2	48.6	
30-Jun-21	Cloudy	15:55	65.4	50.7	
30-Jun-21	Cloudy	16:00	68.7	51.8	
30-Jun-21	Cloudy	16:05	58.2	50.1	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.









Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 June 21 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	17:09	8.7	Surface	1.0	0.2	251	28.4	28.4	8.2	8.2	17.4	17.4	96.1	96.1	6.7	5.6	4.9	10.9	4	3	86	88	815609	804241	<0.2	<0.2	1.1	1.1
						1.0	0.2	251	28.4		8.2		17.4		96.0		6.7		4.9		3		87				<0.2		1.1	
					Middle	4.4	0.2	263	26.5	26.6	8.2	8.2	25.9	25.8	65.0	65.1	4.5		13.8		4		87				<0.2		1.0	
						4.4	0.2	288	26.6		8.2		25.8		65.1		4.5		12.8		3		88				<0.2		1.0	
					Bottom	7.7	0.3	247	26.0	26.0	8.2	8.2	27.1	27.1	63.6	63.7	4.4	4.4	14.8		3		90				<0.2		1.0	
						7.7	0.3	260	26.0		8.2		27.1		63.7		4.4		14.3		2		91				<0.2		1.2	
C2	Rainy	Moderate	16:05	12.8	Surface	1.0	0.0	125	28.2	28.2	8.0	8.0	17.4	17.4	78.7	78.7	5.6	5.4	9.8	10.9	4	4	87	89	825679	806922	<0.2	<0.2	1.0	1.1
						1.0	0.0	130	28.2		8.0		17.4		78.6		5.6		9.9		3		87				<0.2		1.1	
					Middle	6.4	0.0	144	28.0	28.0	8.0	8.0	18.3	18.3	73.3	72.8	5.2		10.6		4		89				<0.2		1.2	
						6.4	0.0	146	27.9		8.0		18.3		72.3		5.1		10.8		4		89				<0.2		1.2	
					Bottom	11.8	0.0	141	26.7	26.8	8.0	8.0	24.8	24.7	71.2	72.7	5.0	5.1	12.3		4		92				<0.2		1.0	
						11.8	0.1	143	26.9		8.0		24.7		74.1		5.2		12.0		4		92				<0.2		1.1	
C3	Rainy	Moderate	18:06	12.1	Surface	1.0	0.0	276	27.9	27.9	8.1	8.1	21.3	21.3	79.3	79.2	5.5	5.3	8.6	9.9	4	4	86	88	822111	817781	<0.2	<0.2	1.1	1.2
						1.0	0.0	300	27.9		8.1		21.3		79.0		5.5		8.8		4		86				<0.2		1.1	
					Middle	6.1	0.0	252	27.1	27.0	8.1	8.1	22.7	22.8	72.5	72.3	5.1		9.8		4		87				<0.2		1.2	
						6.1	0.0	274	26.9		8.1		22.8		72.0		5.1		9.6		4		87				<0.2		1.3	
					Bottom	11.1	0.0	112	26.3	26.3	8.1	8.1	27.2	27.2	75.6	75.8	5.2	5.3	11.4		5		91				<0.2		1.3	
						11.1	0.0	119	26.3		8.1		27.2		76.0		5.3		11.1		4		92				<0.2		1.2	
IM1	Rainy	Moderate	17:01	5.4	Surface	1.0	0.3	218	28.6	28.6	8.2	8.2	17.2	17.2	92.6	92.5	6.5	6.5	5.0	8.7	2	8	87	89	817940	807147	<0.2	<0.2	1.2	1.3
						1.0	0.3	223	28.6		8.2		17.2		92.3		6.5		5.3		10		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	226	26.4	26.4	8.2	8.2	25.4	25.4	65.8	66.0	4.6	4.6	12.3		9		90				<0.2		1.3	
						4.4	0.2	241	26.4		8.2		25.4		66.1		4.6		12.1		10		89				<0.2		1.4	
IM2	Rainy	Moderate	16:54	7.6	Surface	1.0	0.2	25	28.4	28.4	8.2	8.2	17.3	17.3	89.9	89.8	6.3	5.3	4.5	7.7	6	8	89	90	818140	806160	<0.2	<0.2	1.3	1.2
						1.0	0.2	25	28.4		8.2		17.3		89.7		6.3		4.5		7		89				<0.2		1.1	
					Middle	3.8	0.1	17	26.6	26.6	8.2	8.2	24.6	24.8	62.3	62.5	4.3		8.0		8		90				<0.2		1.0	
						3.8	0.1	17	26.6		8.2		25.0		62.7		4.3		7.8		8		91				<0.2		1.1	
					Bottom	6.6	0.2	22	26.3	26.3	8.2	8.2	26.2	26.2	65.9	66.1	4.6	4.6	10.7		8		91				<0.2		1.3	
						6.6	0.2	23	26.3		8.2		26.2		66.3		4.6		10.8		9		91				<0.2		1.2	
IM3	Rainy	Moderate	16:44	7.7	Surface	1.0	0.3	176	28.6	28.6	8.2	8.2	16.7	16.7	97.0	96.9	6.8	5.9	4.8	11.5	7	7	89	90	818799	805603	<0.2	<0.2	1.4	1.2
						1.0	0.3	176	28.6		8.2		16.7		96.8		6.8		4.8		8		89				<0.2		1.3	
					Middle	3.9	0.2	179	26.7	26.7	8.2	8.2	21.4	21.3	70.2	70.2	5.0		14.4		8		90				<0.2		1.1	
						3.9	0.3	189	26.7		8.2		21.3		70.2		5.0		13.7		7		90				<0.2		1.1	
					Bottom	6.7	0.3	181	26.4	26.4	8.2	8.2	25.7	25.7	62.2	62.5	4.3	4.3	15.6		7		91				<0.2		1.1	
						6.7	0.3	189	26.4		8.2		25.7		62.7		4.3		15.4		6		92				<0.2		1.1	
IM4	Rainy	Moderate	16:35	7.4	Surface	1.0	0.3	174	26.9	26.9	8.1	8.1	21.9	21.9	70.6	70.5	5.0	4.9	11.7	12.1	5	6	87	89	819738	804626	<0.2	<0.2	1.1	1.1
						1.0	0.3	189	26.9		8.1		21.9		70.4		4.9		11.1		6		88				<0.2		1.1	
					Middle	3.7	0.2	175	26.6	26.6	8.1	8.1	24.2	24.2	68.2	68.1	4.8		11.8		7		89				<0.2		1.0	
						3.7	0.3	176	26.6		8.1		24.2		68.0		4.7		11.3		6		90				<0.2		1.0	
					Bottom	6.4	0.2	183	26.6	26.7	8.1	8.1	24.8	24.8	69.2	69.3	4.8	4.8	13.4		7		91				<0.2		1.0	
						6.4	0.3	183	26.7		8.1		24.7		69.4		4.8		13.5		6		91				<0.2		1.1	
IM5	Rainy	Moderate	16:35	7.6	Surface	1.0	0.2	58	27.0	27.0	8.1	8.1	22.3	22.3	71.9	71.9	5.0	4.9	10.5	12.3	6	6	88	89	820754	804867	<0.2	<0.2	1.2	1.2
						1.0	0.2	62	27.0		8.1		22.3		71.9		5.0		10.4		5		88				<0.2		1.3	
					Middle	3.8	0.2	63	26.6	26.6	8.2	8.2	24.3	24.3	68.6	68.6	4.8		12.6		5		89				<0.2		1.2	
						3.8	0.2	65	26.6		8.2		24.3		68.6		4.8		12.3		6		89				<0.2		1.2	
					Bottom	6.6	0.2	74	26.6	26.6	8.2	8.2	24.8	24.8	69.2	69.2	4.8	4.8	13.9		5		91				<0.2		1.3	
						6.6	0.2	75	26.6		8.2		24.8		69.2		4.8		13.9		6		91				<0.2		1.2	
IM6	Rainy	Moderate	16:27	8.0	Surface	1.0	0.1	13	28.1	28.1	8.2	8.2	17.9	17.9	78.0	78.0	5.5	5.3	9.8	12.8	4	5	87	89	821060	805820	<0.2	<0.2	1.2	1.2
						1.0	0.1	14	28.0		8.2		17.9		77.9		5.5		10.0		5		87				<0.2		1.4	
					Middle	4.0	0.1	27	27.2	27.2	8.2	8.2	19.7	19.7	71.3	71.3	5.0		13.4		4		88				<0.2		1.4	
						4.0	0.1	28	27.2		8.2		19.7		71.3		5.0		13.3		5		89				<0.2		1.3	
					Bottom	7.0	0.2	18	27.0	27.0	8.2	8.2	23.5	23.5	65.0	65.1	4.5	4.5	15.4		6		91				<0.2		1.1	
						7.0	0.2	18	27.0		8.2		23.5		65.2		4.5		15.1		7		91				<0.2		1.0	
IM7	Rainy	Moderate	16:08	8.0	Surface	1.0	0.0	230	28.2	28.2	8.2	8.2	17.3	17.3	79.2	79.2	5.6	5.2	9.1	9.9	5	5	87	89	821371	806819	<0.2	<0.2	1.2	1.2
						1.0	0.0	238	28.2		8.2		17.4		79.2		5.6		9.4		4		87				<0.2		1.1	
					Middle	4.0	0.0	201	27.7	27.7	8.2	8.2	19.3	19.3	68.0	68.0	4.8		8.1		5		87				<0.2		1.2	
						4.0	0.0	207	27.7		8.2		19.4		68.0		4.8		8.9		5		88				<0.2		1.0	
					Bottom	7.0	0.0	228	27.7	27.7	8.2	8.2	19.6	19.6	67.9	68.1	4.8	4.8	11.9		5		92				<0.2		1.4	
						7.0	0.0	234	27.7		8.2		19.6		68.2		4.8		11.8		5		92				<0.2		1.4	
IM8	Rainy	Moderate	16:31	8.6	Surface	1.0	0.0	89	28.3	28.3	8.0	8.0	17.6	17.6	82.9	82.7	5.9	5.6	8.9	10.0	4	4	86	89	821824	808125	<0.2	<0.2	1.2	1.3
						1.0	0.0	89	28.3		8.0		17.6		82.5		5.8		9.1		3		85				<0.2		1.4	
					Middle	4.3	0.0	63	27.9	27.9	8.0	8.0	18.9	18.9	77.1	77.1	5.4		10.3		4		88				<0.2		1.3	
						4.3	0.0	67	27.9		8.0		18.9		77.0		5.4		10.3		3		88				<0.2		1.2	
					Bottom	7.6	0.0	81	27.4	27.4	8.0	8.0	21.2	21.2	75.0	75.9	5.3	5.4	10.5		5		92				<0.2		1.2	
						7.6	0.0	89	27.4		8.0		21.3		76.7		5.4		10.8		4		92				<0.2		1.2	

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 01 June 21 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	16:37	7.6	Surface	1.0	0.1	77	28.3	28.3	8.0	8.0	17.7	17.7	84.6	84.6	6.0	5.9	8.2	9.1	5	4	86	89	822080	808821	<0.2	<0.2	1.3	1.3
						1.0	0.1	79	28.3		8.0		17.7		84.5		6.0		7.6		4		86				<0.2		1.4	
					Middle	3.8	0.1	82	28.3	28.3	8.0	8.0	17.8	17.8	82.9	82.9	5.9		9.1		4		88				<0.2		1.4	
						3.8	0.1	88	28.3		8.0		17.8		82.8		5.8		8.8		4		90				<0.2		1.3	
					Bottom	6.6	0.1	72	27.9	28.0	8.0	8.0	19.2	19.5	84.6	85.5	6.0	6.1	10.2		3		90				<0.2		1.3	
						6.6	0.1	75	28.1		8.0		19.8		86.4		6.1		10.4		4		91				<0.2		1.2	
IM10	Rainy	Moderate	16:44	8.5	Surface	1.0	0.1	67	28.5	28.5	8.0	8.0	16.4	16.4	85.1	84.8	6.0	5.9	8.5	9.9	5	4	85	89	822365	809807	<0.2	<0.2	1.2	1.2
						1.0	0.1	68	28.5		8.0		16.4		84.5		6.0		8.5		4		86				<0.2		1.2	
					Middle	4.3	0.1	74	28.1	28.1	8.0	8.0	17.8	17.8	81.0	80.9	5.7		9.9		4		89				<0.2		1.3	
						4.3	0.1	79	28.1		8.0		17.9		80.8		5.7		10.4		4		90				<0.2		1.1	
					Bottom	7.5	0.1	85	28.1	28.1	8.0	8.0	18.1	18.1	82.2	82.6	5.8	5.9	10.7		4		91				<0.2		1.2	
						7.5	0.1	86	28.1		8.0		18.1		83.0		5.9		11.4		4		91				<0.2		1.1	
IM11	Rainy	Moderate	16:54	9.2	Surface	1.0	0.1	88	28.8	28.7	8.1	8.1	15.5	15.5	89.3	88.6	6.3	6.1	10.4	10.8	8	7	85	88	822069	811446	<0.2	<0.2	1.2	1.2
						1.0	0.1	91	28.7		8.1		15.6		87.8		6.2		10.2		9		86				<0.2		1.1	
					Middle	4.6	0.1	93	28.2	28.1	8.0	8.0	17.7	17.7	82.8	82.7	5.9		10.6		6		89				<0.2		1.3	
						4.6	0.1	101	28.1		8.0		17.7		82.6		5.9		10.6		5		89				<0.2		1.1	
					Bottom	8.2	0.0	100	28.0	28.0	8.0	8.0	18.5	18.5	84.6	85.3	6.0	6.1	11.6		5		90				<0.2		1.1	
						8.2	0.0	107	28.0		8.0		18.5		86.0		6.1		11.5		6		90				<0.2		1.3	
IM12	Rainy	Moderate	17:00	9.8	Surface	1.0	0.0	78	28.5	28.5	8.1	8.1	17.2	17.2	85.5	85.2	6.0	5.8	8.7	9.9	5	4	84	87	821462	812030	<0.2	<0.2	1.1	1.1
						1.0	0.1	80	28.5		8.1		17.2		84.9		6.0		8.5		4		85				<0.2		1.1	
					Middle	4.9	0.0	94	28.1	28.0	8.0	8.0	18.7	18.7	78.3	78.1	5.5		9.6		4		86				<0.2		1.1	
						4.9	0.0	95	28.0		8.0		18.8		77.9		5.5		10.3		4		86				<0.2		1.1	
					Bottom	8.8	0.0	103	27.8	27.8	8.0	8.0	19.7	19.7	79.5	79.5	5.6	5.6	11.4		4		91				<0.2		1.1	
						8.8	0.0	109	27.8		8.0		19.7		79.5		5.6		10.7		4		87				<0.2		1.2	
SR1A	Rainy	Moderate	17:32	5.3	Surface	1.0	-	-	28.6	28.6	8.1	8.1	18.4	18.4	86.7	86.7	6.1	6.1	10.8	10.7	3	4	-	-	819977	812660	-	-	-	-
						1.0	-	-	28.6		8.1		18.4		86.6		6.1		10.8		2		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	28.2	28.2	8.1	8.1	18.8	18.8	96.6	96.6	6.8	6.8	10.6		5		-				-		-	
						4.3	-	-	28.2		8.1		18.8		96.6		6.8		10.5		5		-				-		-	
SR2	Rainy	Moderate	17:47	4.5	Surface	1.0	0.1	114	28.9	28.9	8.1	8.1	14.9	14.9	91.4	91.3	6.5	6.5	8.7	9.1	5	5	89	90	821458	814189	<0.2	<0.2	1.2	1.2
						1.0	0.1	118	28.9		8.1		14.9		91.1		6.5		8.5		5		89				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	137	28.1	28.1	8.0	8.0	18.5	18.6	84.9	87.0	6.0	6.2	9.8		4		91				<0.2		1.2	
						3.5	0.0	138	28.1		8.1		18.6		89.0		6.3		9.5		4		91				<0.2		1.1	
SR3	Rainy	Moderate	16:24	9.8	Surface	1.0	0.0	118	28.4	28.4	8.1	8.1	17.6	17.6	85.4	85.2	6.0	5.7	9.0	9.8	4	4	-	-	822161	807582	-	-	-	-
						1.0	0.0	118	28.4		8.1		17.6		85.0		6.0		9.1		4		-				-		-	
					Middle	4.9	0.0	107	27.8	27.8	8.0	8.0	19.2	19.2	77.1	77.2	5.4		9.6		4		-				-		-	
						4.9	0.0	114	27.9		8.0		19.2		77.2		5.5		9.7		3		-				-		-	
					Bottom	8.8	0.0	84	27.7	27.7	8.0	8.0	19.8	19.8	77.2	77.5	5.4	5.5	10.5		3		-				-		-	
						8.8	0.0	85	27.7		8.0		19.8		77.7		5.5		10.6		3		-				-		-	
SR4A	Rainy	Moderate	17:30	8.6	Surface	1.0	0.2	197	28.4	28.4	8.1	8.1	17.9	17.9	83.2	83.1	5.8	5.3	7.8	14.0	4	4	-	-	817187	807799	-	-	-	-
						1.0	0.2	197	28.4		8.1		17.9		82.9		5.8		8.0		4		-				-		-	
					Middle	4.3	0.2	205	26.7	26.7	8.1	8.1	21.5	21.5	67.7	67.6	4.8		14.1		4		-				-		-	
						4.3	0.2	215	26.6		8.1		21.4		67.5		4.8		14.6		3		-				-		-	
					Bottom	7.6	0.2	202	26.4	26.4	8.1	8.1	25.5	25.5	62.5	62.6	4.3	4.3	19.4		3		-				-		-	
						7.6	0.2	205	26.4		8.1		25.5		62.6		4.3		20.0		4		-				-		-	
SR5A	Rainy	Moderate	17:54	4.5	Surface	1.0	0.0	326	28.6	28.6	8.1	8.1	17.8	17.8	87.0	87.0	6.1	6.1	12.7	11.7	2	3	-	-	816588	810718	-	-	-	-
						1.0	0.0	336	28.6		8.1		17.8		87.0		6.1		12.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	317	28.6	28.6	8.1	8.1	17.8	17.8	87.4	87.5	6.1	6.1	10.7		3		-				-		-	
						3.5	0.0	347	28.6		8.1		17.8		87.6		6.1		10.8		4		-				-		-	
SR6A	Rainy	Moderate	18:09	4.1	Surface	1.0	0.0	57	28.5	28.5	8.1	8.1	18.7	18.7	81.7	81.7	5.7	5.7	7.6	8.5	4	3	-	-	817967	814755	-	-	-	-
						1.0	0.0	57	28.4		8.1		18.8		81.7		5.7		7.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	100	28.1	28.2	8.1	8.1	19.5	19.5	76.5	76.7	5.3	5.3	9.4		3		-				-		-	
						3.1	0.0	103	28.2		8.1		19.4		76.8		5.3		9.4		2		-				-		-	
SR7	Rainy	Moderate	18:31	17.4	Surface	1.0	0.1	68	28.2	28.2	8.1	8.1	19.2	19.2	81.0	81.0	5.7	5.7	9.0	9.9	6	5	-	-	823621	823720	-	-	-	-
						1.0	0.1	72	28.1		8.1		19.2		80.9		5.7		9.0		5		-				-		-	
					Middle	8.7	0.0	37	27.8	27.8	8.1	8.1	20.8	20.7	80.5	80.6	5.6		9.5		5		-				-		-	
						8.7	0.0	37	27.8		8.1		20.7		80.6		5.6		9.5		6		-				-		-	
					Bottom	16.4	0.0	67	28.0	28.0	8.1	8.1	20.5	20.3	87.8	89.2	6.1	6.2	11.1		4		-				-		-	
						16.4	0.0	70	28.1		8.1		20.1		90.6		6.3		11.1		5		-				-		-	
SR8	Rainy	Moderate	17:09	4.7	Surface	1.0	-	-	29.2	29.1	8.0	8.0	18.9	18.9	88.0	88.1	6.1	6.1	11.5	12.2	4	4	-	-	820402	811600	-	-	-	-
						1.0	-	-	29.1		8.0		18.9		88.1		6.1		11.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	28.9	29.0	8.1	8.1	18.9	18.9	92.0	93.5	6.4	6.5	13.0		3		-				-		-	
						3.7	-	-	29.0		8.1		18.9		95.0		6.6		12.9		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:42	8.6	Surface	1.0	0.3	335	27.7	27.7	8.1	8.1	16.7	16.7	84.6	84.5	6.0	5.4	8.8	8.8	3	4	87	88	815611	804254	<0.2	<0.2	1.3	1.3
						1.0	0.3	0	27.6		8.1		16.6		84.4		6.0		9.7		2		87				<0.2		1.3	
					Middle	4.3	0.3	346	26.8	26.8	8.1	8.1	23.5	23.6	67.8	67.8	4.7		8.8		4		88				<0.2		1.3	
						4.3	0.3	19	26.7		8.1		23.7		67.8		4.7		8.7		4		88				<0.2		1.2	
					Bottom	7.6	0.3	342	26.5	26.5	8.1	8.1	25.0	25.0	69.0	69.1	4.8	4.8	8.3		4		90				<0.2		1.2	
						7.6	0.3	351	26.5		8.1		25.1		69.2		4.8		8.6		5		90				<0.2		1.2	
C2	Cloudy	Moderate	11:42	12.6	Surface	1.0	0.0	330	28.6	28.6	8.1	8.1	12.0	12.0	86.9	86.5	6.3	5.9	8.6	9.9	3	4	85	87	825666	806929	<0.2	<0.2	1.3	1.2
						1.0	0.0	347	28.6		8.1		12.0		86.1		6.2		9.0		4		85				<0.2		1.2	
					Middle	6.3	0.0	21	28.1	28.1	8.0	8.0	17.2	17.2	77.3	77.4	5.5		10.1		4		87				<0.2		1.2	
						6.3	0.0	21	28.1		8.0		17.2		77.4		5.5		10.1		3		88				<0.2		1.2	
					Bottom	11.6	0.0	334	28.1	28.1	8.0	8.0	18.6	17.9	82.4	83.4	5.8	5.9	10.6		4		89				<0.2		1.3	
						11.6	0.0	348	28.2		8.0		17.2		84.4		6.0		11.0		3		90				<0.2		1.2	
C3	Cloudy	Moderate	09:35	11.8	Surface	1.0	0.0	242	28.2	28.2	8.1	8.1	17.1	17.1	78.0	78.0	5.5	5.4	7.8	9.0	5	5	85	88	822086	817791	<0.2	<0.2	1.2	1.2
						1.0	0.0	246	28.2		8.1		17.1		77.9		5.5		7.6		4		85				<0.2		1.2	
					Middle	5.9	0.0	223	27.8	27.7	8.1	8.1	19.7	19.7	73.5	73.3	5.2		8.8		4		88				<0.2		1.2	
						5.9	0.0	241	27.7		8.1		19.7		73.0		5.2		9.2		5		88				<0.2		1.1	
					Bottom	10.8	0.0	256	26.7	26.8	8.1	8.1	25.3	25.2	73.1	74.3	5.1	5.2	10.0		5		90				<0.2		1.2	
						10.8	0.0	276	26.8		8.1		25.1		75.5		5.2		10.3		6		90				<0.2		1.2	
IM1	Cloudy	Moderate	11:02	5.2	Surface	1.0	0.2	186	28.0	28.0	8.1	8.1	17.9	17.9	86.2	86.2	6.1	6.1	4.8	6.4	10	10	88	87	817936	807111	<0.2	<0.2	1.5	1.4
						1.0	0.2	195	27.9		8.1		17.9		86.1		6.1		5.1		9		87				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	205	27.2	27.2	8.1	8.1	22.1	22.1	72.7	72.8	5.1	5.1	7.8		11		86				<0.2		1.3	
						4.2	0.2	211	27.2		8.1		22.1		72.9		5.1		7.8		10		86				<0.2		1.2	
IM2	Cloudy	Moderate	11:10	7.4	Surface	1.0	0.2	171	28.0	28.0	8.1	8.1	16.3	16.2	88.6	88.6	6.3	6.0	5.0	7.5	10	11	86	88	818162	806180	<0.2	<0.2	1.4	1.3
						1.0	0.2	181	28.0		8.1		16.2		88.5		6.3		5.0		10		87				<0.2		1.4	
					Middle	3.7	0.1	186	28.0	28.0	8.1	8.1	17.8	17.8	80.2	80.2	5.7		6.8		10		88				<0.2		1.4	
						3.7	0.2	202	28.0		8.1		17.8		80.1		5.7		7.5		11		88				<0.2		1.2	
					Bottom	6.4	0.2	183	27.5	27.5	8.1	8.1	18.3	18.4	78.3	77.7	5.6	5.6	10.2		11		90				<0.2		1.2	
						6.4	0.2	198	27.5		8.1		18.5		77.0		5.5		10.4		12		90				<0.2		1.2	
IM3	Cloudy	Moderate	11:17	7.6	Surface	1.0	0.3	12	28.0	28.0	8.1	8.1	16.7	16.7	84.6	84.6	6.0	5.8	5.3	7.4	8	10	86	88	818763	805587	<0.2	<0.2	3.3	2.6
						1.0	0.3	12	28.0		8.1		16.7		84.6		6.0		5.3		9		86				<0.2		3.4	
					Middle	3.8	0.2	5	27.8	27.8	8.1	8.1	18.8	18.8	77.4	77.4	5.5		8.5		10		87				<0.2		1.3	
						3.8	0.2	5	27.7		8.1		18.8		77.3		5.5		9.5		9		87				<0.2		1.5	
					Bottom	6.6	0.2	21	27.1	27.1	8.1	8.1	22.3	22.3	71.2	71.3	5.0	5.0	7.7		10		90				<0.2		3.1	
						6.6	0.2	22	27.1		8.1		22.3		71.3		5.0		7.8		11		90				<0.2		3.0	
IM4	Cloudy	Moderate	11:26	8.1	Surface	1.0	0.2	244	27.9	27.9	8.1	8.1	17.1	17.1	82.9	82.8	5.9	5.6	5.3	9.3	9	9	85	88	819734	804619	<0.2	<0.2	1.6	1.3
						1.0	0.2	257	27.9		8.1		17.2		82.7		5.9		5.6		10		86				<0.2		1.8	
					Middle	4.1	0.2	235	27.6	27.6	8.1	8.1	19.1	19.1	75.0	74.8	5.3		9.9		9		88				<0.2		1.1	
						4.1	0.2	248	27.5		8.1		19.1		74.6		5.3		9.8		8		88				<0.2		1.2	
					Bottom	7.1	0.2	254	27.2	27.2	8.1	8.1	22.0	22.0	72.5	72.6	5.1	5.1	12.3		8		90				<0.2		1.1	
						7.1	0.2	269	27.2		8.1		22.0		72.6		5.1		12.8		9		91				<0.2		1.2	
IM5	Cloudy	Moderate	11:33	7.8	Surface	1.0	0.3	329	27.9	27.9	8.1	8.1	16.4	16.4	86.2	86.1	6.1	5.9	5.2	10.7	12	8	86	88	820735	804868	<0.2	<0.2	2.7	2.0
						1.0	0.3	350	27.9		8.1		16.4		86.0		6.1		5.3		12		87				<0.2		2.9	
					Middle	3.9	0.3	346	27.7	27.7	8.1	8.1	18.5	18.5	78.8	78.7	5.6		12.2		6		87				<0.2		2.0	
						3.9	0.4	318	27.7		8.1		18.6		78.6		5.6		12.2		7		88				<0.2		2.1	
					Bottom	6.8	0.3	352	27.6	27.6	8.1	8.1	19.3	19.3	77.4	77.5	5.5	5.5	14.7		7		89				<0.2		1.2	
						6.8	0.3	324	27.6		8.1		19.3		77.5		5.5		14.7		6		90				<0.2		1.2	
IM6	Cloudy	Moderate	11:41	8.2	Surface	1.0	0.2	211	28.5	28.5	8.1	8.1	14.8	14.8	89.4	89.4	6.4	6.2	3.6	8.3	7	7	86	88	821057	805841	<0.2	<0.2	1.2	1.2
						1.0	0.3	222	28.5		8.1		14.9		89.3		6.4		3.9		8		87				<0.2		1.2	
					Middle	4.1	0.2	239	27.5	27.5	8.1	8.1	16.8	16.8	82.6	82.5	5.9		10.6		7		88				<0.2		1.2	
						4.1	0.2	242	27.4		8.1		16.8		82.3		5.9		10.4		7		88				<0.2		1.2	
					Bottom	7.2	0.3	221	27.0	27.0	8.0	8.0	22.8	22.8	68.9	69.2	4.8	4.8	11.0		6		90				<0.2		1.3	
						7.2	0.3	225	27.0		8.0		22.8		69.4		4.8		10.6		7		90				<0.2		1.3	
IM7	Cloudy	Moderate	11:50	8.0	Surface	1.0	0.0	1	28.4	28.4	8.1	8.1	15.5	15.5	84.0	83.9	6.0	5.8	4.4	12.6	11	8	88	89	821348	806841	<0.2	<0.2	1.2	1.3
						1.0	0.0	1	28.3		8.1		15.6		83.8		6.0		4.5		10		88				<0.2		1.2	
					Middle	4.0	0.0	124	27.8	27.8	8.1	8.1	17.9	18.0	79.8	79.6	5.6		14.7		6		89				<0.2		1.2	
						4.0	0.0	124	27.8		8.1		18.0		79.4		5.6		15.0		7		89				<0.2		1.2	
					Bottom	7.0	0.0	135	27.6	27.6	8.1	8.1	19.8	19.9	75.5	75.5	5.3	5.3	18.6		6		90				<0.2		1.3	
						7.0	0.0	143	27.6		8.1		20.0		75.4		5.3		18.3		6		91				<0.2		1.4	
IM8	Cloudy	Moderate	11:15	8.0	Surface	1.0	0.0	139	28.4	28.4	8.0	8.0	15.6	15.5	79.8	79.8	5.7	5.7	7.9	9.1	4	5	87	88	821840	808156	<0.2	<0.2	1.0	1.2
						1.0	0.0	142	28.4		8.0		15.4		79.8		5.7		7.7		4		86				<0.2		1.1	
					Middle	4.0	0.0	114	28.2	28.2	8.0	8.0	16.7	16.7	80.1	80.3	5.7		9.1		5		88				<0.2		1.2	
						4.0	0.0	121	28.2		8.0		16.7		80.5		5.7		9.4		4		87				<0.2		1.2	
					Bottom	7.0	0.0	111	28.2	28.2	8.0	8.0	17.9	17.8	85.5	87.0	6.0	6.2	10.3		5		90				<0.2		1.2	
						7.0	0.0	120	28.2		8.0		17.8		88.5		6.3		9.9		6		90				<0.2		1.2	

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 01 June 21 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	11:07	7.6	Surface	1.0	0.0	123	28.4	28.4	8.0	8.0	16.5	16.6	78.5	78.3	5.6	5.5	8.1	9.0	4	5	86	89	822117	808801	<0.2	<0.2	1.3	1.2
						1.0	0.0	123	28.4		8.0		16.6		78.0		5.5		7.6		4		87				<0.2		1.2	
					Middle	3.8	0.0	134	28.3	28.3	8.0	8.0	17.0	17.0	77.4	77.4	5.5		8.7		5		87				<0.2		1.3	
						3.8	0.0	141	28.3		8.0		17.0		77.4		5.5		8.7		6		89				<0.2		1.1	
					Bottom	6.6	0.0	122	28.3	28.3	8.0	8.0	17.2	17.2	78.2	78.8	5.5	5.6	10.3		5		90				<0.2		1.2	
						6.6	0.0	124	28.3		8.0		17.2		79.4		5.6		10.3		6		92				<0.2		1.2	
IM10	Cloudy	Moderate	10:59	8.2	Surface	1.0	0.1	278	28.3	28.3	8.0	8.0	16.5	16.6	78.3	77.6	5.6	5.4	7.8	8.8	5	5	85	89	822384	809798	<0.2	<0.2	1.1	1.1
						1.0	0.1	284	28.2		8.0		16.6		76.8		5.5		8.3		4		85				<0.2		1.1	
					Middle	4.1	0.1	294	27.8	27.7	8.0	8.0	19.8	19.8	74.3	74.3	5.2		9.0		5		89				<0.2		1.1	
						4.1	0.1	302	27.7		8.0		19.9		74.2		5.2		8.5		4		90				<0.2		1.0	
					Bottom	7.2	0.0	286	27.7	27.7	8.0	8.0	20.9	20.9	76.4	77.4	5.4	5.5	9.7		4		92				<0.2		1.1	
						7.2	0.0	309	27.7		8.0		20.8		78.4		5.5		9.5		5		92				<0.2		1.1	
IM11	Cloudy	Moderate	10:50	8.9	Surface	1.0	0.1	304	28.2	28.2	8.1	8.1	16.5	16.5	76.7	76.6	5.5	5.3	8.7	10.0	5	5	86	87	822066	811468	<0.2	<0.2	1.1	1.1
						1.0	0.1	323	28.2		8.1		16.5		76.4		5.4		8.8		6		86				<0.2		1.2	
					Middle	4.5	0.1	319	27.7	27.7	8.0	8.0	19.7	19.7	73.6	73.7	5.2		9.8		5		88				<0.2		1.1	
						4.5	0.1	342	27.7		8.0		19.6		73.7		5.2		10.4		4		87				<0.2		1.0	
					Bottom	7.9	0.0	308	27.5	27.5	8.0	8.0	21.1	21.1	77.8	77.9	5.5	5.5	11.1		5		88				<0.2		1.0	
						7.9	0.0	321	27.5		8.0		21.1		78.0		5.5		11.1		4		88				<0.2		1.1	
IM12	Cloudy	Moderate	10:42	9.4	Surface	1.0	0.1	310	28.1	28.1	8.0	8.0	18.0	18.0	78.8	78.6	5.6	5.4	7.2	8.1	5	5	86	88	821435	812058	<0.2	<0.2	1.1	1.1
						1.0	0.1	311	28.1		8.0		18.0		78.3		5.5		7.4		6		86				<0.2		1.0	
					Middle	4.7	0.1	322	27.7	27.7	8.0	8.0	20.1	20.0	74.1	74.0	5.2		7.6		5		87				<0.2		1.1	
						4.7	0.1	353	27.7		8.0		20.0		73.9		5.2		8.3		5		87				<0.2		1.1	
					Bottom	8.4	0.1	307	27.4	27.5	8.0	8.0	21.6	21.6	75.9	76.6	5.3	5.4	8.9		5		90				<0.2		1.1	
						8.4	0.1	336	27.5		8.0		21.6		77.2		5.4		9.1		4		90				<0.2		1.2	
SR1A	Cloudy	Moderate	10:17	5.1	Surface	1.0	-	-	28.4	28.4	8.0	8.0	16.8	16.9	80.8	81.4	5.7	5.8	11.0	11.3	6	6	-	-	819979	812664	-	-	-	-
						1.0	-	-	28.4		8.0		17.0		82.0		5.8		11.1		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.4	28.3	8.0	8.0	16.8	17.0	83.4	85.7	5.9	6.1	11.6		5		-				-		-	
						4.1	-	-	28.3		8.0		17.2		87.9		6.2		11.5		6		-				-		-	
SR2	Cloudy	Moderate	09:56	4.3	Surface	1.0	0.0	101	28.2	28.1	8.0	8.0	16.6	16.6	79.0	79.0	5.6	5.6	8.7	9.4	4	4	87	88	821470	814169	<0.2	<0.2	1.0	0.9
						1.0	0.0	106	28.1		8.0		16.7		78.9		5.6		9.0		4		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	94	27.8	27.8	8.0	8.0	19.6	19.7	81.7	82.7	5.8	5.9	10.1		4		88				<0.2		0.9	
						3.3	0.0	95	27.8		8.0		19.7		83.7		5.9		9.9		5		89				<0.2		0.9	
SR3	Cloudy	Moderate	11:21	9.3	Surface	1.0	0.0	1	28.5	28.5	8.1	8.0	12.4	13.0	84.0	83.9	6.1	5.8	6.9	8.0	5	5	-	-	822123	807555	-	-	-	-
						1.0	0.0	1	28.5		8.0		13.6		83.7		6.0		7.1		5		-				-		-	
					Middle	4.7	0.0	26	28.3	28.3	8.0	8.0	16.6	16.6	78.4	78.4	5.6		7.8		5		-				-		-	
						4.7	0.0	26	28.2		8.0		16.6		78.3		5.6		7.7		6		-				-		-	
					Bottom	8.3	0.0	74	28.2	28.2	8.0	8.0	17.7	17.7	80.1	81.0	5.7	5.8	9.3		5		-				-		-	
						8.3	0.0	77	28.2		8.0		17.7		81.9		5.8		9.1		6		-				-		-	
SR4A	Cloudy	Moderate	10:19	8.4	Surface	1.0	0.2	71	28.1	28.1	8.0	8.0	17.2	17.2	82.4	82.4	5.8	5.4	7.2	8.5	7	7	-	-	817202	807795	-	-	-	-
						1.0	0.2	77	28.1		8.0		17.2		82.3		5.8		7.4		9		-				-		-	
					Middle	4.2	0.3	67	27.5	27.5	8.1	8.1	19.1	19.7	72.3	72.0	5.1		8.2		5		-				-		-	
						4.2	0.3	68	27.4		8.1		20.4		71.7		5.0		8.5		7		-				-		-	
					Bottom	7.4	0.2	55	27.1	27.1	8.0	8.0	22.6	22.6	70.0	70.2	4.9	4.9	9.8		8		-				-		-	
						7.4	0.2	59	27.1		8.0		22.6		70.3		4.9		9.7		7		-				-		-	
SR5A	Cloudy	Moderate	10:00	3.9	Surface	1.0	0.0	260	28.6	28.6	8.1	8.1	19.7	19.7	75.6	75.6	5.3	5.3	8.6	9.9	5	5	-	-	816606	810715	-	-	-	-
						1.0	0.0	272	28.6		8.1		19.7		75.6		5.3		9.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	246	28.6	28.6	8.1	8.1	19.7	19.7	75.5	75.5	5.2	5.2	10.9		5		-				-		-	
						2.9	0.0	259	28.6		8.1		19.7		75.5		5.2		11.1		6		-				-		-	
SR6A	Cloudy	Moderate	09:31	4.1	Surface	1.0	0.0	269	28.5	28.5	8.1	8.1	19.1	19.1	78.1	78.0	5.5	5.5	5.3	6.1	8	8	-	-	817984	814728	-	-	-	-
						1.0	0.0	295	28.5		8.1		19.1		77.8		5.4		5.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	256	28.4	28.4	8.1	8.1	20.4	20.4	72.2	72.3	5.0	5.0	6.7		9		-				-		-	
						3.1	0.0	276	28.3		8.1		20.4		72.3		5.0		6.9		9		-				-		-	
SR7	Cloudy	Moderate	09:05	17.8	Surface	1.0	0.0	127	28.3	28.2	8.1	8.1	17.3	17.3	79.8	79.7	5.7	5.3	8.0	8.8	4	4	-	-	823618	823729	-	-	-	-
						1.0	0.0	136	28.2		8.1		17.3		79.5		5.6		8.0		3		-				-		-	
					Middle	8.9	0.0	154	27.2	27.2	8.1	8.1	21.6	21.7	71.2	71.0	5.0		8.7		3		-				-		-	
						8.9	0.0	165	27.1		8.1		21.8		70.8		5.0		8.6		4		-				-		-	
					Bottom	16.8	0.0	74	26.4	26.5	8.1	8.1	26.3	26.2	71.6	73.3	5.0	5.1	9.5		6		-				-		-	
						16.8	0.0	80	26.7		8.1		26.0		75.0		5.2		9.7		5		-				-		-	
SR8	Cloudy	Moderate	10:33	4.7	Surface	1.0	-	-	28.3	28.3	8.0	8.0	17.0	17.0	78.8	78.9	5.6	5.6	9.6	10.2	5	5	-	-	820405	811643	-	-	-	-
						1.0	-	-	28.3		8.0		17.0		78.9		5.6		9.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	28.1	28.2	8.0	8.0	18.4	18.4	82.8	85.4	5.8	6.0	10.8		4		-				-		-	
						3.7	-	-	28.2		8.0		18.3		87.9		6.2		10.5		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 June 21 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	08:39	8.8	Surface	1.0	0.2	64	28.3	28.3	8.0	8.0	15.9	16.6	81.0	80.9	5.8	4.9	3.0	7.2	2	3	82	86	815622	804246	<0.2	<0.2	1.3	1.3
						1.0	0.2	65	28.3		8.0		17.2		80.7		5.7		3.0		3		82				<0.2		1.3	
					Middle	4.4	0.1	67	25.9	25.9	8.0	8.0	30.2	30.2	57.5	57.5	4.0		4.8		4		86				<0.2		1.2	
						4.4	0.1	68	25.9		8.0		30.2		57.5		4.0		4.9		3		87				<0.2		1.3	
					Bottom	7.8	0.1	67	25.8	25.8	8.0	8.0	30.6	30.6	55.2	55.3	3.8	3.8	13.8		4		88				<0.2		1.2	
						7.8	0.1	68	25.8		8.0		30.6		55.4		3.8		13.9		3		89				<0.2		1.2	
C2	Fine	Calm	09:43	11.8	Surface	1.0	0.5	174	29.0	29.0	8.0	8.0	12.3	12.3	73.7	73.4	5.3	4.8	5.8	6.6	3	3	85	89	825692	806944	<0.2	<0.2	1.8	1.8
						1.0	0.6	188	29.0		8.0		12.2		73.0		5.3		5.6		3		86				<0.2		1.8	
					Middle	5.9	0.5	154	27.3	27.3	7.9	7.9	25.6	25.6	61.1	61.0	4.2		6.6		4		89				<0.2		1.7	
						5.9	0.5	167	27.3		7.9		25.6		60.9		4.2		6.6		3		89				<0.2		1.8	
					Bottom	10.8	0.4	157	26.8	26.9	7.9	7.9	29.2	29.2	65.7	66.8	4.5	4.6	7.4		3		91				<0.2		1.9	
						10.8	0.4	169	26.9		7.9		29.1		67.9		4.6		7.3		4		91				<0.2		1.9	
C3	Fine	Calm	07:37	13.0	Surface	1.0	0.1	74	27.9	27.9	8.0	8.0	21.2	21.2	77.6	77.1	5.4	5.0	5.0	5.6	3	3	83	86	822091	817793	<0.2	<0.2	0.9	0.9
						1.0	0.1	77	27.9		8.0		21.3		76.6		5.3		5.0		2		83				<0.2		1.0	
					Middle	6.5	0.3	278	26.7	26.7	8.0	8.0	28.1	28.1	68.3	68.3	4.7		5.7		2		86				<0.2		0.9	
						6.5	0.3	302	26.6		8.0		28.2		68.3		4.7		5.8		3		86				<0.2		0.9	
					Bottom	12.0	0.3	269	25.6	25.7	8.0	8.0	32.3	32.2	68.6	69.6	4.7	4.8	6.1		4		88				<0.2		0.9	
						12.0	0.3	270	25.7		8.0		32.2		70.5		4.8		6.1		5		88				<0.2		1.0	
IM1	Sunny	Moderate	09:04	5.1	Surface	1.0	0.0	219	27.0	27.1	8.0	8.0	25.5	25.4	65.1	65.1	4.6	4.6	9.1	11.5	5	5	83	86	817950	807154	<0.2	<0.2	1.2	1.2
						1.0	0.0	226	27.1		8.0		25.3		65.1		4.6		9.1		6		83				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	163	26.4	26.4	8.0	8.0	27.9	27.9	57.6	57.6	4.0	4.0	14.0		4		88				<0.2		1.2	
						4.1	0.0	174	26.4		8.0		27.9		57.6		4.0		14.0		3		88				<0.2		1.2	
IM2	Sunny	Moderate	09:11	6.8	Surface	1.0	0.1	153	26.9	26.9	8.0	8.0	25.9	25.9	65.0	65.0	4.5	4.5	6.1	9.5	3	3	83	87	818182	806146	<0.2	<0.2	1.2	1.1
						1.0	0.1	160	26.9		8.0		25.9		65.0		4.5		6.1		3		83				<0.2		1.0	
					Middle	3.4	0.1	157	26.1	26.1	8.0	8.0	29.1	29.1	65.4	65.4	4.5		10.8		3		86				<0.2		1.1	
						3.4	0.1	171	26.1		8.0		29.1		65.4		4.5		10.7		3		87				<0.2		1.0	
					Bottom	5.8	0.1	159	26.2	26.2	8.0	8.0	29.1	29.1	59.0	59.2	4.1	4.1	11.7		3		90				<0.2		1.0	
						5.8	0.2	162	26.2		8.0		29.1		59.3		4.1		11.8		2		91				<0.2		1.0	
IM3	Sunny	Moderate	09:19	6.9	Surface	1.0	0.2	67	27.9	27.9	8.0	8.0	21.1	21.1	72.5	72.5	5.1	4.5	4.4	7.3	<2	3	83	88	818800	805603	<0.2	<0.2	1.0	1.0
						1.0	0.2	73	27.9		8.0		21.1		72.4		5.1		4.4		<2		84				<0.2		1.1	
					Middle	3.5	0.2	71	26.7	26.7	8.0	8.0	26.9	26.9	57.2	57.2	4.0		6.9		3		88				<0.2		1.0	
						3.5	0.2	76	26.7		8.0		26.9		57.2		3.9		7.0		2		88				<0.2		1.0	
					Bottom	5.9	0.2	62	26.0	26.0	8.0	8.0	29.7	29.7	55.3	55.3	3.8	3.8	10.5		3		91				<0.2		1.0	
						5.9	0.2	68	26.0		8.0		29.7		55.3		3.8		10.6		4		91				<0.2		1.0	
IM4	Sunny	Moderate	09:29	8.3	Surface	1.0	0.2	124	27.8	27.8	8.0	8.0	21.3	21.3	63.7	63.7	4.5	4.5	4.8	9.1	2	3	83	87	819720	804590	<0.2	<0.2	1.1	1.1
						1.0	0.3	131	27.8		8.0		21.3		63.6		4.4		4.8		2		84				<0.2		1.1	
					Middle	4.2	0.2	121	26.8	26.8	8.0	8.0	26.5	26.5	66.8	66.8	4.6		8.1		4		88				<0.2		1.1	
						4.2	0.2	130	26.8		8.0		26.5		66.8		4.6		8.1		5		88				<0.2		1.1	
					Bottom	7.3	0.2	113	26.1	26.1	8.0	8.0	29.4	29.4	55.6	55.6	3.8	3.8	14.2		<2		90				<0.2		1.0	
						7.3	0.2	115	26.1		8.0		29.4		55.6		3.8		14.4		<2		91				<0.2		1.0	
IM5	Sunny	Moderate	09:39	7.7	Surface	1.0	0.2	341	28.4	28.4	8.0	8.0	17.2	17.3	74.7	74.7	5.3	4.7	3.9	7.0	<2	2	78	86	820737	804884	<0.2	<0.2	1.0	1.0
						1.0	0.2	314	28.4		8.0		17.3		74.6		5.3		3.9		<2		82				<0.2		0.9	
					Middle	3.9	0.2	344	27.2	27.2	8.0	8.0	24.5	24.4	59.7	59.8	4.1		5.5		3		86				<0.2		1.0	
						3.9	0.2	316	27.2		8.0		24.4		59.8		4.1		5.5		2		86				<0.2		1.0	
					Bottom	6.7	0.2	354	26.7	26.7	8.0	8.0	27.2	27.2	54.6	54.7	3.8	3.8	11.5		2		91				<0.2		1.0	
						6.7	0.2	326	26.7		8.0		27.2		54.7		3.8		11.5		3		91				<0.2		1.0	
IM6	Sunny	Moderate	09:48	7.1	Surface	1.0	0.2	0	28.2	28.2	8.0	8.1	19.2	19.2	68.7	68.7	4.8	4.8	4.4	6.6	2	4	82	87	821042	805841	<0.2	<0.2	1.0	1.0
						1.0	0.2	0	28.2		8.1		19.2		68.7		4.8		4.4		3		83				<0.2		1.0	
					Middle	3.6	0.2	0	27.9	27.9	8.1	8.1	20.8	20.8	67.3	67.3	4.7		6.7		4		87				<0.2		0.9	
						3.6	0.2	0	27.9		8.1		20.8		67.2		4.7		6.6		3		87				<0.2		1.0	
					Bottom	6.1	0.2	1	26.7	26.7	8.0	8.0	27.0	27.0	55.2	55.2	3.8	3.8	8.5		4		90				<0.2		1.0	
						6.1	0.2	1	26.7		8.0		27.0		55.2		3.8		8.6		5		91				<0.2		0.9	
IM7	Sunny	Moderate	09:58	8.4	Surface	1.0	0.2	136	28.4	28.4	8.0	8.0	17.5	17.5	71.1	71.1	5.0	4.6	3.4	6.4	2	2	82	87	821352	806841	<0.2	<0.2	1.3	1.3
						1.0	0.2	144	28.4		8.0		17.5		71.0		5.0		3.4		3		83				<0.2		1.4	
					Middle	4.2	0.2	136	27.6	27.6	8.0	8.0	22.0	22.0	60.9	60.9	4.2		10.2		3		86				<0.2		1.3	
						4.2	0.2	136	27.6		8.0		22.0		60.9		4.2		10.3		2		86				<0.2		1.3	
					Bottom	7.4	0.2	132	27.0	27.0	8.1	8.1	26.2	26.2	54.5	54.5	3.8	3.8	5.6		<2		91				<0.2		1.2	
						7.4	0.2	144	27.0		8.1		26.2		54.5		3.8		5.6		<2		91				<0.2		1.3	
IM8	Fine	Calm	09:18	7.8	Surface	1.0	0.1	172	28.4	28.4	7.9	7.9	16.7	16.3	70.3	69.6	5.0	4.8	5.3	6.5	3	3	86	89	821822	808119	<0.2	<0.2	1.5	1.6
						1.0	0.1	182	28.3		7.9		15.9		68.8		4.9		5.1		3		86				<0.2		1.6	
					Middle	3.9	0.1	132	27.9	27.9	7.9	7.9	22.2	22.2	65.7	65.7	4.6		6.6		3		91				<0.2		1.5	
						3.9	0.1	136	27.9		7.9		22.2		65.7		4.6		6.8		3		91				<0.2		1.6	
					Bottom	6.8	0.2	146	27.7	27.7	7.9	7.9	23.6	23.5	68.7	68.9	4.7	4.8	7.8		3		88				<0.2		1.6	
						6.8	0.2	160	27.7		7.9		23.5		69.0		4.8		7.3		4		92				<0.2		1.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 June 21 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	Calm	09:12	7.2	Surface	1.0	0.2	150	28.3	28.3	8.0	8.0	17.6	17.6	72.8	72.0	5.1	4.9	5.7	6.7	3	3	86	89	822100	808827	<0.2	<0.2	1.5	1.5
						1.0	0.2	161	28.2		8.0		17.6		71.2		5.0		5.7		4		86				<0.2		1.4	
					Middle	3.6	0.2	136	28.0	28.0	7.9	7.9	20.8	20.8	67.8	67.5	4.7		6.7		3		89				<0.2		1.5	
						3.6	0.2	137	28.0		7.9		20.9		67.2		4.7		6.5		2		91				<0.2		1.5	
					Bottom	6.2	0.1	125	27.9	27.9	7.9	7.9	22.9	22.9	68.2	69.1	4.7	4.8	7.8		2		91				<0.2		1.6	
						6.2	0.1	133	27.9		7.9		22.8		70.0		4.8		7.8		3		91				<0.2		1.5	
IM10	Fine	Calm	09:04	7.4	Surface	1.0	0.5	98	28.6	28.5	8.0	8.0	15.0	15.0	76.6	75.9	5.5	5.2	6.4	7.3	4	4	83	87	822405	809776	<0.2	<0.2	1.5	1.5
						1.0	0.5	100	28.5		8.0		15.0		75.2		5.4		6.3		3		83				<0.2		1.6	
					Middle	3.7	0.5	90	28.2	28.2	7.9	7.9	21.2	21.1	72.4	72.4	5.0		7.4		4		87				<0.2		1.5	
						3.7	0.5	94	28.2		7.9		21.1		72.4		5.0		7.4		4		88				<0.2		1.4	
					Bottom	6.4	0.4	79	27.0	27.0	7.9	7.9	27.6	27.5	74.8	76.7	5.1	5.3	8.0		4		90				<0.2		1.5	
						6.4	0.4	79	27.1		7.9		27.4		78.6		5.4		8.2		4		90				<0.2		1.4	
IM11	Fine	Calm	08:53	9.0	Surface	1.0	0.5	115	28.2	28.2	8.0	8.0	19.2	19.1	68.2	68.1	4.8	4.6	5.3	6.3	4	4	84	85	822076	811441	<0.2	<0.2	1.5	1.6
						1.0	0.6	118	28.2		8.0		19.0		68.0		4.8		5.3		5		84				<0.2		1.6	
					Middle	4.5	0.5	126	27.7	27.7	7.9	7.9	23.2	23.3	64.0	63.9	4.4		6.2		4		86				<0.2		1.6	
						4.5	0.5	136	27.7		7.9		23.3		63.8		4.4		6.4		5		85				<0.2		1.5	
					Bottom	8.0	0.1	135	27.0	27.0	7.9	7.9	27.4	27.5	63.1	64.1	4.3	4.4	7.3		4		86				<0.2		1.5	
						8.0	0.1	138	27.0		7.9		27.6		65.0		4.4		7.3		4		86				<0.2		1.6	
IM12	Fine	Calm	08:46	9.2	Surface	1.0	0.6	120	28.8	28.8	8.0	8.0	12.4	12.4	73.1	72.9	5.3	4.9	5.7	6.7	3	3	84	86	821445	812027	<0.2	<0.2	1.5	1.5
						1.0	0.6	123	28.8		8.0		12.5		72.6		5.2		5.7		2		84				<0.2		1.5	
					Middle	4.6	0.5	117	28.1	27.9	8.0	8.0	20.8	21.0	65.4	65.2	4.6		6.7		3		85				<0.2		1.6	
						4.6	0.5	119	27.7		8.0		21.1		64.9		4.5		6.6		2		85				<0.2		1.4	
					Bottom	8.2	0.2	159	26.5	26.5	8.0	7.9	29.7	29.7	67.4	68.6	4.6	4.7	7.6		4		88				<0.2		1.5	
						8.2	0.2	170	26.5		7.9		29.7		69.8		4.8		7.6		3		88				<0.2		1.5	
SR1A	Fine	Calm	08:17	4.2	Surface	1.0	-	-	28.6	28.6	8.0	8.0	12.2	11.8	86.7	86.7	6.3	6.3	6.4	6.9	<2	2	-	-	819974	812654	-	-	-	-
						1.0	-	-	28.6		8.0		11.4		86.7		6.3		6.2		<2		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	28.5	28.5	8.0	8.0	17.0	17.0	87.1	88.1	6.2	6.3	7.1		3		-				-		-	
						3.2	-	-	28.5		8.0		17.1		89.1		6.3		7.7		2		-				-		-	
SR2	Fine	Calm	08:02	5.0	Surface	1.0	0.3	104	28.8	28.7	8.1	8.1	10.5	10.5	89.7	89.4	6.5	6.5	6.4	6.7	3	3	85	86	821454	814157	<0.2	<0.2	1.1	1.1
						1.0	0.3	109	28.7		8.1		10.6		89.0		6.5		6.4		2		84				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	96	28.5	28.6	8.0	8.0	16.8	16.7	87.5	88.6	6.2	6.3	7.1		3		87				<0.2		1.1	
						4.0	0.3	96	28.7		8.0		16.6		89.7		6.3		7.0		2		87				<0.2		1.1	
SR3	Fine	Calm	09:23	9.0	Surface	1.0	0.1	204	28.2	28.1	7.9	7.9	15.9	15.4	67.7	66.9	4.8	4.7	5.5	6.5	<2	3	-	-	822144	807555	-	-	-	-
						1.0	0.1	213	28.0		7.9		14.8		66.1		4.8		5.8		<2		-				-		-	
					Middle	4.5	0.1	2	27.7	27.7	7.9	7.9	23.4	23.4	65.3	65.3	4.5		6.3		3		-				-		-	
						4.5	0.1	2	27.7		7.9		23.4		65.2		4.5		6.8		3		-				-		-	
					Bottom	8.0	0.1	175	27.3	27.3	7.9	7.9	25.5	25.5	67.7	68.4	4.7	4.8	7.6		5		-				-		-	
						8.0	0.1	191	27.3		7.9		25.4		69.1		4.8		7.2		5		-				-		-	
SR4A	Sunny	Moderate	08:17	8.0	Surface	1.0	0.2	53	28.1	28.1	8.0	8.0	18.3	18.3	73.4	73.4	5.2	4.7	4.5	10.5	3	3	-	-	817209	807792	-	-	-	-
						1.0	0.2	53	28.1		8.0		18.3		73.4		5.2		4.5		3		-				-		-	
					Middle	4.0	0.2	56	26.7	26.7	8.0	8.0	26.8	26.8	58.7	58.7	4.1		12.3		3		-				-		-	
						4.0	0.2	57	26.7		8.0		26.8		58.7		4.1		12.3		3		-				-		-	
					Bottom	7.0	0.2	54	26.7	26.7	8.0	8.0	26.9	26.9	58.9	58.9	4.1	4.1	14.6		3		-				-		-	
						7.0	0.2	57	26.7		8.0		26.9		58.9		4.1		14.6		3		-				-		-	
SR5A	Sunny	Moderate	07:59	3.8	Surface	1.0	0.0	74	28.2	28.2	8.0	8.0	18.8	18.8	75.5	75.5	5.3	5.3	3.5	4.4	6	5	-	-	816580	810672	-	-	-	-
						1.0	0.0	78	28.2		8.0		18.8		75.5		5.3		3.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	94	28.1	28.1	8.2	8.2	20.8	20.8	70.1	70.2	4.9	4.9	5.3		5		-				-		-	
						2.8	0.0	100	28.1		8.2		20.8		70.2		4.9		5.3		5		-				-		-	
SR6A	Sunny	Moderate	07:31	4.3	Surface	1.0	0.0	106	28.2	28.2	8.0	8.0	19.8	19.8	72.4	72.4	5.1	5.1	2.9	8.1	2	3	-	-	817981	814742	-	-	-	-
						1.0	0.0	108	28.2		8.0		19.8		72.3		5.1		2.9		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	194	27.8	27.8	8.0	8.0	22.3	22.3	61.1	61.1	4.2	4.2	13.2		3		-				-		-	
						3.3	0.0	211	27.8		8.0		22.3		61.1		4.2		13.3		4		-				-		-	
SR7	Fine	Calm	07:04	18.0	Surface	1.0	0.2	44	27.1	27.1	8.0	8.0	26.4	26.4	72.9	72.9	5.2	5.0	4.8	5.7	3	3	-	-	823615	823735	-	-	-	-
						1.0	0.2	47	27.1		8.0		26.4		72.9		5.2		4.8		4		-				-		-	
					Middle	9.0	0.1	125	25.7	25.7	8.0	8.0	32.0	32.0	70.8	70.8	4.8		5.8		2		-				-		-	
						9.0	0.1	135	25.7		8.0		32.0		70.8		4.8		5.8		3		-				-		-	
					Bottom	17.0	0.0	116	25.4	25.5	8.0	8.0	33.1	32.9	67.1	68.0	4.6	4.7	6.1		2		-				-		-	
						17.0	0.0	125	25.6		8.0		32.6		68.9		4.7		6.6		3		-				-		-	
SR8	Fine	Calm	08:38	5.4	Surface	1.0	-	-	29.1	29.0	8.0	8.0	14.4	14.4	84.8	84.3	6.0	6.0	5.4	6.0	3	3	-	-	820393	811646	-	-	-	-
						1.0	-	-	28.9		8.0		14.4		83.7		6.0		5.9		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.4	28.6	8.0	8.0	19.7	19.6	85.5	88.0	6.0	6.2	6.3		3		-				-		-	
						4.4	-	-	28.7		8.0		19.5		90.4		6.3		6.4		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Rough	13:08	8.1	Surface	1.0	0.3	18	29.3	29.3	8.0	8.0	14.0	14.0	90.3	90.1	6.4	5.5	2.7	5.8	3	4	79	86	815629	804243	<0.2	<0.2	1.4	1.4
						1.0	0.3	18	29.2		8.0		14.0		89.8		6.4		2.7		4		79				<0.2		1.3	
					Middle	4.1	0.3	12	26.9	26.9	8.0	8.0	26.1	26.0	65.0	65.1	4.5		3.3		4		86				<0.2		1.4	
						4.1	0.3	13	26.9		8.0		26.0		65.1		4.5		3.3		5		87				<0.2		1.5	
					Bottom	7.1	0.2	9	26.2	26.2	8.0	8.0	28.9	28.9	57.2	57.2	3.9	3.9	11.4		4		91				<0.2		1.4	
						7.1	0.2	9	26.2		8.0		28.9		57.2		3.9		11.4		4		91				<0.2		1.4	
C2	Fine	Calm	11:48	11.8	Surface	1.0	0.3	137	29.0	29.0	8.0	8.0	13.1	13.1	74.6	72.5	5.3	4.8	5.7	6.6	2	3	88	91	825690	806938	<0.2	<0.2	1.9	1.9
						1.0	0.3	144	29.0		8.0		13.0		70.4		5.0		5.6		3		88				<0.2		1.8	
					Middle	5.9	0.3	192	27.3	27.3	7.9	7.9	26.1	26.1	64.3	64.4	4.4		6.2		2		91				<0.2		1.9	
						5.9	0.3	206	27.3		7.9		26.1		64.4		4.4		6.3		3		91				<0.2		1.8	
					Bottom	10.8	0.1	181	26.9	27.0	7.9	7.9	27.8	27.9	67.1	68.1	4.6	4.7	7.8		4		94				<0.2		1.8	
						10.8	0.1	184	27.0		7.9		27.9		69.1		4.7		8.0		5		94				<0.2		1.9	
C3	Fine	Calm	13:46	12.0	Surface	1.0	0.2	271	28.5	28.5	8.0	8.0	19.1	19.2	75.3	74.3	5.3	5.0	6.6	7.5	<2	3	87	90	822089	817825	<0.2	<0.2	1.1	1.2
						1.0	0.2	273	28.4		8.0		19.3		73.2		5.1		6.4		<2		88				<0.2		1.2	
					Middle	6.0	0.2	281	27.1	27.1	8.0	8.0	25.8	25.8	69.1	68.9	4.8		7.7		3		88				<0.2		1.1	
						6.0	0.3	298	27.0		8.0		25.9		68.7		4.7		7.5		2		88				<0.2		1.2	
					Bottom	11.0	0.3	287	26.1	26.1	8.0	8.0	32.3	32.3	73.8	74.1	5.0	5.0	8.4		3		93				<0.2		1.1	
						11.0	0.3	305	26.1		8.0		32.2		74.3		5.0		8.1		3		93				<0.2		1.2	
IM1	Sunny	Rough	12:42	4.8	Surface	1.0	0.0	304	29.3	29.3	8.1	8.1	16.8	16.8	87.2	87.2	6.1	6.1	2.9	9.1	6	6	82	87	817962	807118	<0.2	<0.2	1.5	1.4
						1.0	0.0	309	29.3		8.1		16.8		87.2		6.1		2.9		5		83				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	37	26.3	26.3	8.1	8.1	28.7	28.7	56.1	56.2	3.9	3.9	15.4		5		91				<0.2		1.4	
						3.8	0.0	37	26.3		8.1		28.7		56.2		3.9		15.4		6		91				<0.2		1.3	
IM2	Sunny	Rough	12:33	6.8	Surface	1.0	0.2	176	28.5	28.5	8.1	8.1	20.4	20.4	81.1	81.0	5.6	4.8	3.2	6.5	4	5	82	87	818184	806179	<0.2	<0.2	1.4	1.3
						1.0	0.2	178	28.5		8.1		20.4		80.9		5.6		3.2		5		83				<0.2		1.3	
					Middle	3.4	0.2	175	26.5	26.5	8.1	8.1	27.7	27.7	58.1	58.1	4.0		7.1		6		87				<0.2		1.3	
						3.4	0.2	176	26.5		8.0		27.7		58.1		4.0		7.1		5		87				<0.2		1.4	
					Bottom	5.8	0.2	172	26.2	26.2	8.0	8.0	29.0	29.0	55.9	55.9	3.8	3.8	9.3		6		91				<0.2		1.4	
						5.8	0.2	175	26.2		8.0		29.0		55.9		3.8		9.3		6		91				<0.2		1.2	
IM3	Sunny	Rough	12:23	7.1	Surface	1.0	0.1	196	28.8	28.8	8.0	8.0	20.5	20.4	80.8	80.9	5.6	4.8	3.1	3.9	6	5	83	87	818802	805570	<0.2	<0.2	1.3	1.4
						1.0	0.1	214	28.8		8.0		20.4		80.9		5.6		3.1		3		83				<0.2		1.2	
					Middle	3.6	0.1	197	26.7	26.8	8.0	8.0	27.0	26.9	58.4	58.5	4.0		5.2		6		86				<0.2		1.4	
						3.6	0.1	212	26.8		8.0		26.9		58.6		4.0		5.2		3		87				<0.2		1.4	
					Bottom	6.1	0.1	191	26.1	26.2	8.0	8.0	29.7	29.7	55.9	56.0	3.8	3.8	3.2		4		91				<0.2		1.4	
						6.1	0.1	205	26.2		8.0		29.7		56.1		3.8		3.3		5		91				<0.2		1.4	
IM4	Sunny	Rough	12:13	7.5	Surface	1.0	0.2	181	29.2	29.2	8.0	8.0	14.8	14.8	85.6	85.6	6.1	4.9	2.8	7.9	3	3	83	87	819748	804587	<0.2	<0.2	1.4	1.3
						1.0	0.2	182	29.2		8.0		14.8		85.6		6.0		2.8		3		83				<0.2		1.3	
					Middle	3.8	0.2	184	26.5	26.5	8.0	8.0	27.9	27.8	54.2	54.3	3.7		10.0		3		86				<0.2		1.3	
						3.8	0.2	198	26.5		8.0		27.8		54.3		3.7		10.1		3		86				<0.2		1.3	
					Bottom	6.5	0.2	173	26.0	26.0	8.0	8.0	30.0	30.0	54.8	54.9	3.8	3.8	10.9		4		91				<0.2		1.3	
						6.5	0.2	178	26.0		8.0		30.0		54.9		3.8		11.0		3		91				<0.2		1.2	
IM5	Sunny	Rough	12:05	7.8	Surface	1.0	0.2	207	28.7	28.7	8.0	8.0	15.9	15.9	85.9	85.8	6.1	5.4	3.3	6.9	5	5	82	87	820724	804878	<0.2	<0.2	1.2	1.3
						1.0	0.2	224	28.6		8.0		15.9		85.7		6.1		3.2		6		83				<0.2		1.3	
					Middle	3.9	0.2	203	27.8	27.8	8.0	8.0	21.0	21.0	67.3	67.4	4.7		6.6		5		87				<0.2		1.3	
						3.9	0.2	206	27.8		8.0		20.9		67.5		4.7		6.5		4		88				<0.2		1.3	
					Bottom	6.8	0.2	202	26.8	26.9	8.0	8.1	26.3	26.3	53.7	53.8	3.7	3.7	11.1		4		91				<0.2		1.3	
						6.8	0.2	209	26.9		8.1		26.3		53.8		3.7		11.0		5		91				<0.2		1.2	
IM6	Sunny	Rough	11:56	7.4	Surface	1.0	0.3	341	28.8	28.8	8.0	8.0	15.7	15.7	82.2	82.2	5.8	5.2	2.8	5.3	3	4	82	87	821038	805846	<0.2	<0.2	1.3	1.3
						1.0	0.3	351	28.8		8.0		15.7		82.2		5.8		2.8		3		82				<0.2		1.3	
					Middle	3.7	0.2	349	28.0	28.0	8.0	8.0	20.9	20.8	64.3	64.4	4.5		3.9		4		87				<0.2		1.2	
						3.7	0.2	321	28.0		8.0		20.8		64.4		4.5		3.9		4		87				<0.2		1.3	
					Bottom	6.4	0.2	347	27.5	27.5	8.0	8.0	23.7	23.7	59.0	59.1	4.1	4.1	9.2		4		90				<0.2		1.3	
						6.4	0.2	319	27.5		8.0		23.6		59.1		4.1		9.2		4		91				<0.2		1.3	
IM7	Sunny	Rough	11:47	8.6	Surface	1.0	0.3	217	28.7	28.7	8.0	8.0	15.5	15.5	81.7	81.7	5.8	5.0	3.0	4.7	4	4	82	87	821363	806833	<0.2	<0.2	1.3	1.3
						1.0	0.3	236	28.7		8.0		15.5		81.7		5.8		3.0		5		83				<0.2		1.3	
					Middle	4.3	0.3	220	27.6	27.6	8.0	8.0	22.6	22.6	59.1	59.1	4.1		5.3		5		87				<0.2		1.3	
						4.3	0.3	236	27.6		8.0		22.6		59.1		4.1		5.2		4		87				<0.2		1.3	
					Bottom	7.6	0.3	218	26.9	26.9	8.0	8.0	26.3	26.3	52.9	53.0	3.6	3.7	6.0		4		91				<0.2		1.3	
						7.6	0.3	220	26.9		8.0		26.3		53.0		3.7		6.0		4		91				<0.2		1.4	
IM8	Fine	Calm	12:12	8.0	Surface	1.0	0.3	224	28.7	28.7	8.0	8.0	14.4	14.5	75.9	75.6	5.4	5.2	6.8	7.3	4	4	86	90	821814	808142	<0.2	<0.2	1.7	1.7
						1.0	0.3	239	28.6		8.0		14.5		75.3		5.4		6.4		5		86				<0.2		1.6	
					Middle	4.0	0.3	212	28.1	28.1	7.9	7.9	19.9	19.9	70.4	70.4	4.9		7.1		5		89				<0.2		1.7	
						4.0	0.3	228	28.1		7.9		19.8		70.3		4.9		7.1		4		90				<0.2		1.7	
					Bottom	7.0	0.1	248	27.7	27.8	7.9	7.9	24.6	24.5	75.7	78.4	5.2	5.4	8.2		4		93				<0.2		1.7	
						7.0	0.1	258	27.9		7.9		24.3		81.0		5.5		8.1		4		93				<0.2		1.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 June 21 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	Calm	12:17	7.4	Surface	1.0	0.2	237	29.3	29.3	8.0	8.0	14.2	14.2	81.1	79.8	5.7	5.4	5.2	6.6	4	3	87	90	822096	808802	<0.2	<0.2	1.6	1.7
						1.0	0.2	251	29.3		8.0		14.2		78.4		5.6		5.2		3		87				<0.2		1.7	
					Middle	3.7	0.2	228	28.0	28.0	7.9	7.9	20.6	20.6	74.1	74.4	5.2		6.8		3		91				<0.2		1.6	
						3.7	0.3	244	28.0		7.9		20.6		74.7		5.2		6.9		4		91				<0.2		1.7	
					Bottom	6.4	0.1	255	28.0	28.1	7.9	7.9	22.5	22.4	81.7	83.3	5.6	5.8	7.8		3		92				<0.2		1.7	
						6.4	0.1	259	28.1		7.9		22.4		84.8		5.9		7.7		3		92				<0.2		1.7	
IM10	Fine	Calm	12:24	8.0	Surface	1.0	0.1	212	29.4	29.4	8.0	8.0	14.7	14.7	71.8	71.4	5.1	4.8	5.4	6.3	2	3	86	90	822367	809814	<0.2	<0.2	1.7	1.7
						1.0	0.1	221	29.4		8.0		14.7		71.0		5.0		5.5		3		87				<0.2		1.7	
					Middle	4.0	0.2	207	27.6	27.5	7.9	7.9	21.7	21.8	64.1	63.9	4.5		6.4		3		91				<0.2		1.8	
						4.0	0.2	208	27.4		7.9		21.9		63.7		4.5		6.5		3		91				<0.2		1.7	
					Bottom	7.0	0.1	354	27.1	27.1	7.9	7.9	27.8	27.8	71.4	71.4	4.9	4.9	7.0		5		92				<0.2		1.6	
						7.0	0.1	326	27.1		7.9		27.8		71.4		4.9		7.0		4		92				<0.2		1.7	
IM11	Fine	Calm	12:34	8.0	Surface	1.0	0.1	82	28.4	28.4	8.0	8.0	18.8	17.9	73.8	73.1	5.2	5.0	5.4	6.6	5	4	86	90	822044	811479	<0.2	<0.2	1.6	1.6
						1.0	0.1	88	28.3		8.0		17.1		72.3		5.1		5.6		5		87				<0.2		1.6	
					Middle	4.0	0.1	89	27.7	27.7	7.9	7.9	22.2	22.2	70.3	70.4	4.9		6.9		4		90				<0.2		1.5	
						4.0	0.1	94	27.7		7.9		22.2		70.4		4.9		6.9		3		91				<0.2		1.6	
					Bottom	7.0	0.1	321	27.4	27.6	7.9	7.9	26.6	26.4	76.7	79.4	5.2	5.4	7.3		3		92				<0.2		1.5	
						7.0	0.1	334	27.8		7.9		26.3		82.0		5.6		7.4		4		91				<0.2		1.6	
IM12	Fine	Calm	12:41	9.6	Surface	1.0	0.1	244	28.7	28.6	8.0	8.0	16.9	16.9	74.6	72.7	5.3	4.8	7.5	8.7	3	4	86	88	821454	812066	<0.2	<0.2	1.5	1.6
						1.0	0.1	245	28.6		8.0		16.9		70.8		5.0		7.5		3		86				<0.2		1.6	
					Middle	4.8	0.0	232	28.0	28.0	7.9	7.9	21.9	21.9	64.2	63.9	4.5		8.2		4		87				<0.2		1.5	
						4.8	0.0	243	28.0		7.9		21.9		63.5		4.4		8.7		3		87				<0.2		1.6	
					Bottom	8.6	0.2	286	26.3	26.3	7.9	7.9	30.7	30.7	68.7	68.9	4.7	4.7	10.4		4		92				<0.2		1.6	
						8.6	0.3	295	26.3		7.9		30.7		69.1		4.7		10.1		4		88				<0.2		1.6	
SR1A	Fine	Calm	13:11	4.2	Surface	1.0	-	-	28.7	28.7	8.0	8.0	16.2	16.1	81.5	81.4	5.8	5.8	4.8	5.2	5	5	-	-	819974	812662	-	-	-	-
						1.0	-	-	28.7		8.0		16.1		81.2		5.7		4.8		4		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	28.3	28.5	7.9	8.0	20.8	20.4	83.5	87.1	5.8	6.1	5.2		5		-				-		-	
						3.2	-	-	28.7		8.0		20.0		90.7		6.3		5.9		4		-				-		-	
SR2	Fine	Calm	13:25	3.6	Surface	1.0	0.2	75	29.4	29.4	8.1	8.1	17.7	17.7	94.1	94.1	6.5	6.5	7.6	8.0	4	4	90	91	821480	814156	<0.2	<0.2	1.4	1.4
						1.0	0.2	81	29.4		8.1		17.8		94.1		6.5		7.5		3		90				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	107	29.3	29.3	8.1	8.1	18.0	18.0	96.3	96.3	6.7	6.7	8.1		3		92				<0.2		1.4	
						2.6	0.2	116	29.3		8.1		18.0		96.3		6.7		8.8		4		92				<0.2		1.4	
SR3	Fine	Calm	12:06	9.0	Surface	1.0	0.3	196	28.8	28.8	8.0	8.0	15.9	15.7	74.9	74.6	5.3	4.9	5.7	6.6	4	4	-	-	822155	807551	-	-	-	-
						1.0	0.3	200	28.8		8.0		15.6		74.2		5.3		5.6		4		-				-		-	
					Middle	4.5	0.3	198	27.6	27.5	7.9	7.9	23.5	23.6	63.9	63.7	4.4		6.3		4		-				-		-	
						4.5	0.3	201	27.5		7.9		23.8		63.5		4.4		6.9		4		-				-		-	
					Bottom	8.0	0.1	201	27.2	27.3	7.9	7.9	27.7	27.6	70.7	72.1	4.8	4.9	7.6		4		-				-		-	
						8.0	0.1	220	27.4		7.9		27.5		73.4		5.0		7.6		5		-				-		-	
SR4A	Sunny	Moderate	13:29	8.5	Surface	1.0	0.2	65	29.6	29.6	8.0	8.0	17.6	17.6	90.9	90.9	6.3	5.4	3.5	6.9	5	5	-	-	817170	807812	-	-	-	-
						1.0	0.2	65	29.6		8.0		17.6		90.9		6.3		3.5		5		-				-		-	
					Middle	4.3	0.2	69	27.3	27.4	8.0	8.0	24.5	24.4	65.5	65.7	4.5		6.6		6		-				-		-	
						4.3	0.2	70	27.4		8.0		24.4		65.8		4.6		6.6		5		-				-		-	
					Bottom	7.5	0.2	65	26.5	26.5	8.0	8.0	28.3	28.3	56.6	56.7	3.9	3.9	10.7		6		-				-		-	
						7.5	0.2	65	26.5		8.0		28.3		56.7		3.9		10.8		5		-				-		-	
SR5A	Sunny	Moderate	13:48	4.9	Surface	1.0	0.0	330	28.9	28.9	8.0	8.0	20.1	20.1	81.6	81.8	5.6	5.7	4.8	6.0	5	6	-	-	816606	810703	-	-	-	-
						1.0	0.0	359	28.9		8.0		20.2		81.9		5.7		4.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	172	27.7	27.7	8.0	8.0	23.0	23.0	62.8	62.9	4.4	4.4	7.3		7		-				-		-	
						3.9	0.0	174	27.7		8.0		23.0		63.0		4.4		7.3		6		-				-		-	
SR6A	Sunny	Moderate	14:21	4.6	Surface	1.0	0.0	295	28.7	28.7	8.0	8.0	18.8	18.8	81.0	80.9	5.7	5.7	2.9	3.8	5	5	-	-	817955	814756	-	-	-	-
						1.0	0.0	314	28.7		8.0		18.9		80.7		5.6		2.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	251	28.2	28.2	8.1	8.1	20.8	20.8	73.3	73.4	5.1	5.1	4.7		4		-				-		-	
						3.6	0.0	270	28.2		8.0		20.8		73.4		5.1		4.9		5		-				-		-	
SR7	Fine	Calm	14:17	14.4	Surface	1.0	0.1	226	29.0	29.0	8.1	8.1	19.4	19.4	75.1	74.7	5.2	5.0	5.9	6.7	2	3	-	-	823642	823729	-	-	-	-
						1.0	0.1	232	29.0		8.1		19.4		74.3		5.1		5.9		2		-				-		-	
					Middle	7.2	0.1	222	26.1	26.1	8.0	8.0	29.3	29.3	72.2	72.2	4.9		6.5		2		-				-		-	
						7.2	0.1	242	26.1		8.0		29.3		72.1		4.9		6.7		3		-				-		-	
					Bottom	13.4	0.2	205	25.9	26.0	8.0	8.0	32.3	32.3	73.0	73.2	4.9	5.0	7.9		4		-				-		-	
						13.4	0.2	212	26.0		8.0		32.3		73.4		5.0		7.5		3		-				-		-	
SR8	Fine	Calm	12:48	5.4	Surface	1.0	-	-	28.4	28.4	8.0	8.0	17.6	17.7	70.6	70.9	5.0	5.0	5.1	5.8	4	4	-	-	820373	811639	-	-	-	-
						1.0	-	-	28.3		8.0		17.8		71.2		5.0		5.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.0	28.0	8.0	8.0	22.3	22.2	75.0	79.6	5.2	5.5	6.2		4		-				-		-	
						4.4	-	-	28.1		8.0		22.1		84.1		5.8		6.9		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 05 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:06	8.7	Surface	1.0	0.2	216	27.1	27.1	8.1	8.1	18.9	18.9	71.6	71.1	5.1	4.5	5.3	10.2	6	6	86	88	815617	804270	<0.2	<0.2	1.4	1.4
						1.0	0.2	229	27.1		8.1		18.9		70.6		5.1		6.1		7		86				<0.2		1.4	
					Middle	4.4	0.3	203	25.2	25.2	8.1	8.1	32.3	32.3	56.6	56.6	3.9		10.1		5		88				<0.2		1.4	
						4.4	0.3	204	25.1		8.1		32.4		56.5		3.9		10.9		6		88				<0.2		1.3	
					Bottom	7.7	0.2	213	25.1	25.1	8.0	8.0	32.7	32.7	57.7	57.9	4.0	4.0	14.2		5		90				<0.2		1.3	
						7.7	0.2	213	25.1		8.0		32.7		58.0		4.0		14.4		6		91				<0.2		1.3	
C2	Fine	Moderate	11:35	11.2	Surface	1.0	0.2	135	28.2	28.2	8.1	8.1	15.2	15.2	87.8	87.8	6.3	5.3	4.3	7.1	4	5	84	89	825671	806966	<0.2	<0.2	2.0	2.0
						1.0	0.2	147	28.2		8.1		15.2		87.7		6.3		4.3		4		85				<0.2		2.0	
					Middle	5.6	0.5	154	26.3	26.3	8.0	8.0	27.4	27.4	62.6	62.6	4.3		5.4		5		89				<0.2		1.9	
						5.6	0.5	156	26.3		8.0		27.4		62.6		4.3		5.4		5		89				<0.2		1.9	
					Bottom	10.2	0.5	144	25.8	25.8	8.0	8.0	29.8	29.8	58.7	58.7	4.0	4.0	11.4		6		93				<0.2		1.9	
						10.2	0.5	148	25.8		8.0		29.9		58.7		4.0		11.7		5		93				<0.2		2.0	
C3	Fine	Moderate	09:14	12.4	Surface	1.0	0.4	286	27.4	27.4	8.2	8.2	18.3	18.4	91.2	91.2	6.5	5.6	3.4	3.6	3	3	85	89	822109	817802	<0.2	<0.2	1.6	1.5
						1.0	0.4	300	27.4		8.2		18.4		91.1		6.5		3.4		2		85				<0.2		1.5	
					Middle	6.2	0.2	257	25.3	25.4	8.1	8.1	30.8	30.8	68.2	68.2	4.7		3.3		2		89				<0.2		1.4	
						6.2	0.2	261	25.4		8.1		30.9		68.1		4.7		3.3		3		90				<0.2		1.5	
					Bottom	11.4	0.1	120	24.9	24.9	8.1	8.1	32.4	32.4	67.3	67.4	4.6	4.6	4.1		5		94				<0.2		1.5	
						11.4	0.1	121	24.9		8.1		32.4		67.5		4.6		4.1		5		93				<0.2		1.5	
IM1	Cloudy	Moderate	10:30	4.5	Surface	1.0	0.1	226	26.0	26.0	8.1	8.1	25.5	25.5	56.6	56.1	4.0	**4.0**	5.3	7.3	7	7	89	89	817954	807152	<0.2	<0.2	0.8	0.8
						1.0	0.1	232	25.9		8.1		25.6		55.6		3.9		5.4		8		87				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	174	25.6	25.6	8.1	8.1	31.0	31.0	52.3	52.5	3.6	3.6	9.4		7		90				<0.2		0.8	
						3.5	0.1	180	25.6		8.1		31.0		52.6		3.6		9.3		7		91				<0.2		0.7	
IM2	Cloudy	Moderate	10:37	6.6	Surface	1.0	0.2	170	25.7	25.7	8.1	8.1	30.1	30.2	54.5	54.5	3.8	**3.7**	5.2	10.1	5	6	85	88	818183	806188	<0.2	<0.2	0.8	0.8
						1.0	0.2	180	25.7		8.1		30.3		54.4		3.7		5.3		6		86				<0.2		0.8	
					Middle	3.3	0.2	156	25.5	25.5	8.1	8.1	31.3	31.3	53.3	53.3	3.7		9.5		6		88				<0.2		0.8	
						3.3	0.2	167	25.5		8.1		31.3		53.2		3.7		10.0		7		87				<0.2		0.8	
					Bottom	5.6	0.1	145	25.5	25.5	8.1	8.1	31.4	31.4	53.4	53.4	3.7	3.7	15.5		6		90				<0.2		0.7	
						5.6	0.1	157	25.5		8.1		31.4		53.4		3.7		15.4		7		89				<0.2		0.7	
IM3	Cloudy	Moderate	10:45	6.8	Surface	1.0	0.2	153	26.3	26.3	8.1	8.1	27.1	27.1	64.5	64.6	4.5	4.2	3.8	8.2	5	5	87	89	818777	805611	<0.2	<0.2	0.8	0.8
						1.0	0.2	154	26.3		8.1		27.1		64.6		4.5		3.8		5		86				<0.2		0.8	
					Middle	3.4	0.2	141	25.4	25.4	8.1	8.1	31.4	31.4	55.2	55.2	3.8		9.3		6		88				<0.2		0.8	
						3.4	0.2	144	25.4		8.1		31.5		55.2		3.8		9.5		5		88				<0.2		0.7	
					Bottom	5.8	0.2	124	25.4	25.4	8.1	8.1	31.6	31.6	55.8	56.0	3.8	3.8	11.2		5		91				<0.2		0.8	
						5.8	0.2	134	25.4		8.1		31.6		56.1		3.8		11.4		6		92				<0.2		0.8	
IM4	Cloudy	Moderate	10:56	8.1	Surface	1.0	0.5	179	27.3	27.4	8.1	8.1	23.2	22.9	67.4	68.6	4.7	4.2	6.3	11.7	5	5	86	88	819731	804618	<0.2	<0.2	0.8	0.8
						1.0	0.6	184	27.5		8.0		22.6		69.8		4.9		6.5		4		86				<0.2		0.9	
					Middle	4.1	0.4	162	25.4	25.4	8.1	8.1	31.4	31.4	53.0	53.1	3.6		13.3		4		88				<0.2		0.8	
						4.1	0.4	170	25.4		8.1		31.4		53.1		3.6		13.6		5		89				<0.2		0.8	
					Bottom	7.1	0.2	170	25.4	25.5	8.1	8.1	31.6	31.6	54.5	54.8	3.7	3.8	15.0		5		90				<0.2		0.8	
						7.1	0.2	185	25.5		8.1		31.6		55.1		3.8		15.3		6		91				<0.2		0.8	
IM5	Cloudy	Moderate	11:07	7.7	Surface	1.0	0.6	222	28.0	28.0	8.1	8.1	16.5	16.6	79.3	79.3	5.7	4.7	2.7	10.2	6	6	85	88	820713	804874	<0.2	<0.2	1.0	0.9
						1.0	0.6	222	28.0		8.1		16.6		79.2		5.7		2.6		5		87				<0.2		0.9	
					Middle	3.9	0.6	201	25.7	25.7	8.1	8.1	30.5	30.6	53.4	53.5	3.7		11.2		6		89				<0.2		0.9	
						3.9	0.6	218	25.6		8.1		30.6		53.5		3.7		11.7		5		88				<0.2		0.9	
					Bottom	6.7	0.3	194	25.6	25.6	8.1	8.1	31.0	31.0	55.2	55.3	3.8	3.8	16.3		6		90				<0.2		0.9	
						6.7	0.4	195	25.6		8.1		31.0		55.4		3.8		16.5		5		91				<0.2		0.9	
IM6	Cloudy	Moderate	11:17	7.2	Surface	1.0	0.4	244	28.0	28.0	8.1	8.1	17.0	17.5	77.3	77.8	5.5	4.7	3.3	10.4	6	6	86	88	821057	805813	<0.2	<0.2	0.9	1.0
						1.0	0.4	256	28.0		8.1		18.0		78.2		5.6		3.7		7		85				<0.2		0.9	
					Middle	3.6	0.4	233	25.9	25.9	8.1	8.1	27.8	27.8	54.2	54.3	3.8		11.3		5		87				<0.2		0.9	
						3.6	0.4	255	25.9		8.1		27.8		54.3		3.8		12.0		6		89				<0.2		1.0	
					Bottom	6.2	0.2	232	25.7	25.7	8.1	8.1	30.7	30.7	54.8	55.0	3.8	3.8	16.1		5		90				<0.2		1.1	
						6.2	0.2	240	25.7		8.1		30.7		55.2		3.8		16.1		6		90				<0.2		1.1	
IM7	Cloudy	Moderate	11:26	8.1	Surface	1.0	0.4	245	27.6	27.6	8.1	8.1	15.0	14.9	80.2	80.0	5.8	4.9	3.7	7.5	7	6	85	88	821364	806843	<0.2	<0.2	1.1	1.1
						1.0	0.4	259	27.6		8.1		14.9		79.7		5.8		4.1		6		87				<0.2		1.1	
					Middle	4.1	0.2	221	26.9	27.0	8.0	8.0	25.9	24.9	55.9	56.0	3.9		8.4		6		87				<0.2		1.1	
						4.1	0.3	233	27.0		8.0		24.0		56.0		3.9		8.6		6		89				<0.2		1.2	
					Bottom	7.1	0.0	134	25.8	25.8	8.0	8.0	30.3	30.3	56.1	56.2	3.9	3.9	10.0		5		90				<0.2		1.1	
						7.1	0.0	139	25.8		8.0		30.3		56.3		3.9		10.0		4		92				<0.2		1.1	
IM8	Fine	Moderate	11:04	7.7	Surface	1.0	0.1	211	28.1	28.1	8.2	8.2	13.8	13.8	97.8	97.7	7.1	5.9	3.9	7.2	7	5	85	89	821846	808143	<0.2	<0.2	1.2	1.3
						1.0	0.1	223	28.1		8.2		13.8		97.5		7.1		3.9		6		85				<0.2		1.3	
					Middle	3.9	0.2	200	27.2	27.2	8.0	8.0	23.2	23.2	65.9	65.8	4.6		5.6		4		90				<0.2		1.3	
						3.9	0.2	206	27.2		8.0		23.3		65.7		4.6		5.7		4		89				<0.2		1.4	
					Bottom	6.7	0.1	70	25.6	25.6	8.0	8.0	30.9	30.9	55.4	55.5	3.8	3.8	12.0		5		94				<0.2		1.4	
						6.7	0.1	70	25.6		8.0		30.9		55.5		3.8		11.9		4		93				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 June 21 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	10:56	7.1	Surface	1.0	0.2	140	28.1	28.1	8.2	8.2	14.3	14.3	95.9	95.9	6.9	5.8	4.2	7.2	4	4	85	90	822090	808807	<0.2	<0.2	1.4	1.3
						1.0	0.2	141	28.1		8.2		14.3		95.8		6.9		4.2		4		86				<0.2		1.2	
					Middle	3.6	0.3	145	27.2	27.2	8.0	8.0	23.1	23.0	66.8	66.8	4.7		5.9		4		89				<0.2		1.3	
						3.6	0.3	149	27.2		8.0		23.0		66.8		4.7		5.9		4		90				<0.2		1.2	
					Bottom	6.1	0.1	92	25.8	25.8	8.0	8.0	29.9	29.8	55.6	55.7	3.8	3.8	11.6		3		94				<0.2		1.3	
						6.1	0.1	93	25.8		8.0		29.8		55.7		3.8		11.6		2		93				<0.2		1.3	
IM10	Fine	Moderate	10:47	7.9	Surface	1.0	0.3	87	28.0	28.0	8.1	8.1	14.9	14.9	92.0	91.9	6.6	5.4	3.7	8.9	5	4	85	89	822391	809812	<0.2	<0.2	1.3	1.4
						1.0	0.4	93	28.0		8.1		14.9		91.7		6.6		3.7		4		85				<0.2		1.5	
					Middle	4.0	0.5	110	27.1	27.1	8.0	8.0	24.2	24.1	60.8	60.9	4.2		5.8		5		90				<0.2		1.4	
						4.0	0.5	117	27.0		8.0		24.1		60.9		4.2		6.0		4		89				<0.2		1.4	
					Bottom	6.9	0.3	98	26.1	26.1	8.0	8.0	28.6	28.6	56.0	56.1	3.9	3.9	17.2		4		93				<0.2		1.3	
						6.9	0.3	98	26.1		8.0		28.6		56.1		3.9		17.2		4		93				<0.2		1.3	
IM11	Fine	Moderate	10:34	8.2	Surface	1.0	0.5	75	27.7	27.7	8.1	8.1	19.1	19.1	75.0	75.0	5.3	4.6	4.8	8.7	4	4	85	89	822040	811451	<0.2	<0.2	1.4	1.4
						1.0	0.5	79	27.7		8.1		19.1		75.0		5.3		4.8		3		85				<0.2		1.3	
					Middle	4.1	0.5	80	26.8	26.8	8.0	8.0	25.7	25.7	56.5	56.5	3.9		6.6		3		89				<0.2		1.4	
						4.1	0.5	80	26.8		8.0		25.7		56.4		3.9		6.8		4		90				<0.2		1.5	
					Bottom	7.2	0.3	101	26.0	26.0	8.0	8.0	28.9	29.0	58.6	58.7	4.0	4.1	14.5		4		93				<0.2		1.3	
						7.2	0.3	107	26.0		8.0		29.0		58.8		4.1		14.8		3		94				<0.2		1.2	
IM12	Fine	Moderate	10:27	9.5	Surface	1.0	0.3	87	28.0	28.0	8.1	8.1	13.9	13.9	92.1	92.0	6.7	5.3	4.6	6.9	3	4	85	90	821439	812067	<0.2	<0.2	1.3	1.4
						1.0	0.3	88	28.0		8.1		13.9		91.8		6.7		4.6		3		89				<0.2		1.4	
					Middle	4.8	0.4	86	26.7	26.7	8.0	8.0	25.6	25.6	56.1	56.3	3.9		8.2		3		89				<0.2		1.4	
						4.8	0.4	86	26.7		8.0		25.6		56.4		3.9		8.0		3		89				<0.2		1.4	
					Bottom	8.5	0.2	73	25.3	25.3	8.1	8.1	31.4	31.4	61.7	61.8	4.2	4.3	8.4		4		94				<0.2		1.3	
						8.5	0.2	78	25.3		8.1		31.4		61.8		4.3		7.9		5		93				<0.2		1.4	
SR1A	Fine	Moderate	09:55	5.4	Surface	1.0	-	-	28.1	28.1	8.1	8.1	14.6	14.6	89.5	89.5	6.4	6.4	3.7	4.6	3	3	-	-	819979	812664	-	-	-	-
						1.0	-	-	28.1		8.1		14.6		89.5		6.4		3.8		3		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	26.5	26.5	8.0	8.0	27.1	27.1	65.1	65.2	4.5	4.5	5.4		3		-				-		-	
						4.4	-	-	26.5		8.0		27.1		65.3		4.5		5.4		4		-				-		-	
SR2	Fine	Moderate	09:39	4.5	Surface	1.0	0.2	54	28.0	28.0	8.1	8.1	15.3	15.3	94.8	94.7	6.8	6.8	3.8	4.0	4	3	85	87	821442	814178	<0.2	<0.2	1.3	1.4
						1.0	0.2	57	28.0		8.1		15.3		94.6		6.8		3.8		3		85				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	73	27.0	27.0	8.1	8.1	22.7	22.7	73.5	73.4	5.2	5.2	4.1		3		90				<0.2		1.5	
						3.5	0.2	77	26.9		8.1		22.6		73.3		5.2		4.2		3		89				<0.2		1.4	
SR3	Fine	Moderate	11:10	8.8	Surface	1.0	0.3	240	28.2	28.2	8.2	8.2	14.4	14.4	97.6	97.5	7.0	5.4	3.7	9.8	5	4	-	-	822164	807561	-	-	-	-
						1.0	0.3	242	28.2		8.2		14.4		97.3		7.0		3.7		4		-				-		-	
					Middle	4.4	0.2	244	26.4	26.4	8.0	8.0	27.2	27.2	54.0	54.0	3.7		8.6		3		-				-		-	
						4.4	0.2	253	26.4		8.0		27.2		54.0		3.7		8.5		4		-				-		-	
					Bottom	7.8	0.1	33	25.6	25.6	8.0	8.0	31.1	31.1	54.8	54.9	3.8	3.8	17.1		3		-				-		-	
						7.8	0.1	36	25.6		8.0		31.1		54.9		3.8		17.1		4		-				-		-	
SR4A	Cloudy	Moderate	09:47	8.6	Surface	1.0	0.1	105	27.6	27.6	8.0	8.0	16.6	16.6	73.8	73.8	5.3	4.5	4.5	11.1	4	6	-	-	817188	807815	-	-	-	-
						1.0	0.1	106	27.6		8.0		16.6		73.7		5.3		4.6		5		-				-		-	
					Middle	4.3	0.2	81	25.5	25.5	8.0	8.0	31.1	31.1	51.9	51.9	3.6		13.3		6		-				-		-	
						4.3	0.2	82	25.5		8.0		31.1		51.9		3.6		13.6		7		-				-		-	
					Bottom	7.6	0.1	51	25.5	25.5	8.0	8.0	31.3	31.3	53.0	53.0	3.6	3.6	15.3		7		-				-		-	
						7.6	0.1	51	25.5		8.0		31.3		53.0		3.6		15.3		6		-				-		-	
SR5A	Cloudy	Moderate	09:28	4.0	Surface	1.0	0.1	105	28.0	28.0	8.0	8.0	15.3	15.3	82.4	82.2	5.9	5.9	5.9	8.5	6	6	-	-	816611	810696	-	-	-	-
						1.0	0.1	106	27.9		8.0		15.3		82.0		5.9		6.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	308	27.5	27.5	7.9	7.9	21.9	21.9	64.5	64.7	4.5	4.5	10.8		5		-				-		-	
						3.0	0.1	334	27.5		7.9		21.9		64.8		4.5		10.8		6		-				-		-	
SR6A	Cloudy	Moderate	09:00	4.1	Surface	1.0	0.1	346	27.9	27.9	8.0	8.0	17.6	17.6	71.7	71.6	5.1	5.1	6.7	9.5	5	5	-	-	817953	814729	-	-	-	-
						1.0	0.1	318	27.8		8.0		17.6		71.5		5.1		6.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	352	27.0	27.0	8.0	8.0	25.1	25.2	60.5	60.5	4.2	4.2	12.0		5		-				-		-	
						3.1	0.0	355	27.0		8.0		25.2		60.5		4.2		12.4		6		-				-		-	
SR7	Fine	Moderate	08:41	14.7	Surface	1.0	0.6	61	26.5	26.5	8.1	8.1	24.6	24.7	80.7	80.6	5.6	5.1	3.3	4.1	3	3	-	-	823626	823739	-	-	-	-
						1.0	0.6	63	26.5		8.1		24.7		80.5		5.6		3.3		4		-				-		-	
					Middle	7.4	0.2	14	25.3	25.3	8.1	8.1	31.5	31.5	65.4	65.5	4.5		4.1		3		-				-		-	
						7.4	0.2	15	25.3		8.1		31.5		65.5		4.5		4.1		2		-				-		-	
					Bottom	13.7	0.2	55	24.9	24.9	8.1	8.1	32.5	32.5	67.1	67.2	4.6	4.6	4.9		2		-				-		-	
						13.7	0.2	59	24.8		8.1		32.5		67.2		4.6		5.0		3		-				-		-	
SR8	Fine	Moderate	10:18	4.7	Surface	1.0	-	-	28.6	28.6	8.1	8.1	15.3	15.4	92.6	92.6	6.6	6.6	4.4	6.5	3	3	-	-	820383	811601	-	-	-	-
						1.0	-	-	28.6		8.1		15.4		92.5		6.6		4.5		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	27.3	27.3	8.1	8.1	22.3	22.3	70.7	70.8	5.0	5.0	8.5		3		-				-		-	
						3.7	-	-	27.3		8.1		22.3		70.8		5.0		8.5		2		-				-		-	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 05 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:24	8.5	Surface	1.0	0.3	120	27.6	27.6	8.1	8.1	19.9	19.9	83.6	83.8	5.9	5.3	3.3	6.9	5	5	86	89	815604	804232	<0.2	<0.2	1.1	1.1
						1.0	0.3	121	27.6		8.1		19.9		83.9		5.9		3.2				87				<0.2		1.1	
					Middle	4.3	0.2	77	26.3	26.3	8.2	8.2	24.8	24.8	66.1	66.1	4.6		7.8		6		88				<0.2		1.0	
						4.3	0.2	80	26.2		8.2		24.8		66.0		4.6		7.7		5		89				<0.2		1.0	
					Bottom	7.5	0.2	208	26.0	26.0	8.2	8.2	30.4	30.8	57.1	57.5	3.9	3.9	9.2		6		90				<0.2		1.1	
						7.5	0.2	209	26.0		8.2		31.1		57.9		3.9		10.0		5		91				<0.2		1.1	
C2	Fine	Moderate	14:20	10.5	Surface	1.0	0.3	350	27.7	27.7	8.1	8.1	17.5	17.6	80.4	80.3	5.7	5.0	4.5	7.3	5	4	87	91	825672	806935	<0.2	<0.2	1.4	1.4
						1.0	0.3	322	27.7		8.1		17.7		80.1		5.7		4.5		5		87				<0.2		1.3	
					Middle	5.3	0.4	28	26.1	26.1	8.0	8.0	28.4	28.4	61.4	61.4	4.2		4.4		4		90				<0.2		1.5	
						5.3	0.4	28	26.1		8.0		28.4		61.4		4.2		4.4		3		91				<0.2		1.5	
					Bottom	9.5	0.4	346	25.4	25.4	8.1	8.1	31.0	31.0	60.4	60.5	4.2	4.2	13.1		4		94				<0.2		1.4	
						9.5	0.4	318	25.4		8.1		31.0		60.6		4.2		13.0		3		95				<0.2		1.5	
C3	Fine	Moderate	16:30	10.8	Surface	1.0	0.3	241	28.2	28.2	8.2	8.2	17.2	17.2	106.9	106.8	7.6	6.0	3.4	5.4	6	5	87	91	822086	817806	<0.2	<0.2	1.4	1.4
						1.0	0.3	261	28.2		8.2		17.2		106.7		7.6		3.4		5		87				<0.2		1.4	
					Middle	5.4	0.4	252	25.7	25.7	8.1	8.1	29.5	29.5	64.3	64.3	4.4		4.4		4		90				<0.2		1.4	
						5.4	0.4	253	25.7		8.1		29.6		64.3		4.4		4.4		5		90				<0.2		1.4	
					Bottom	9.8	0.4	266	25.2	25.2	8.1	8.1	31.4	31.4	64.2	64.3	4.4	4.4	8.4		5		95				<0.2		1.5	
						9.8	0.4	281	25.2		8.1		31.4		64.3		4.4		8.4		4		94				<0.2		1.5	
IM1	Cloudy	Moderate	15:00	4.2	Surface	1.0	0.1	23	26.0	26.0	8.1	8.1	28.8	28.8	55.2	55.2	3.8	**3.8**	14.1	14.6	5	4	88	89	817958	807144	<0.2	<0.2	1.2	1.1
						1.0	0.1	23	26.0		8.1		28.9		55.2		3.8		14.7		5		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	29	25.7	25.7	8.1	8.1	31.2	31.2	55.0	55.1	3.8	3.8	14.7		4		90				<0.2		1.0	
						3.2	0.1	31	25.7		8.1		31.2		55.2		3.8		14.7		3		91				<0.2		1.1	
IM2	Cloudy	Moderate	14:53	6.5	Surface	1.0	0.4	7	26.9	26.9	8.1	8.1	26.1	26.1	60.8	60.8	4.2	4.1	4.4	10.9	6	5	86	89	818144	806148	<0.2	<0.2	0.8	0.9
						1.0	0.4	7	26.9		8.1		26.2		60.8		4.2		4.5		6		87				<0.2		0.9	
					Middle	3.3	0.3	344	25.6	25.6	8.2	8.2	31.4	31.4	56.3	56.4	3.9		11.7		5		88				<0.2		0.8	
						3.3	0.3	345	25.6		8.2		31.4		56.4		3.9		12.1		4		89				<0.2		0.8	
					Bottom	5.5	0.3	308	25.6	25.6	8.1	8.1	31.5	31.5	58.1	58.2	4.0	4.0	16.6		5		90				<0.2		0.9	
						5.5	0.4	325	25.6		8.1		31.5		58.3		4.0		16.2		4		92				<0.2		0.9	
IM3	Cloudy	Moderate	14:46	6.6	Surface	1.0	0.1	23	27.3	27.3	8.1	8.1	24.1	24.0	71.3	71.2	4.9	4.4	3.2	7.9	4	4	86	88	818785	805616	<0.2	<0.2	0.8	0.9
						1.0	0.1	23	27.3		8.1		24.0		71.1		4.9		3.3		3		86				<0.2		0.9	
					Middle	3.3	0.4	318	25.6	25.6	8.1	8.1	31.1	31.2	55.8	55.8	3.8		9.5		3		88				<0.2		0.9	
						3.3	0.4	328	25.6		8.1		31.2		55.8		3.8		9.7		4		89				<0.2		0.9	
					Bottom	5.6	0.4	280	25.6	25.6	8.1	8.1	31.5	31.5	56.4	56.5	3.9	3.9	10.9		3		90				<0.2		0.8	
						5.6	0.4	286	25.6		8.1		31.5		56.6		3.9		10.8		4		90				<0.2		0.9	
IM4	Cloudy	Moderate	14:37	7.8	Surface	1.0	0.1	11	28.0	28.0	8.1	8.1	14.4	14.4	89.1	88.9	6.4	5.0	4.7	10.1	5	4	86	89	819723	804592	<0.2	<0.2	0.8	0.8
						1.0	0.1	11	28.0		8.1		14.4		88.6		6.4		4.9		5		88				<0.2		0.9	
					Middle	3.9	0.1	16	25.7	25.7	8.1	8.1	30.5	30.5	50.5	50.5	3.5		8.9		5		90				<0.2		0.8	
						3.9	0.1	17	25.7		8.1		30.5		50.5		3.5		8.9		4		89				<0.2		0.8	
					Bottom	6.8	0.1	15	25.6	25.6	8.1	8.1	30.7	30.7	51.4	51.5	3.5	3.5	16.7		2		90				<0.2		0.9	
						6.8	0.1	15	25.6		8.1		30.7		51.5		3.5		16.6		3		91				<0.2		0.8	
IM5	Cloudy	Moderate	14:30	7.7	Surface	1.0	0.1	312	28.4	28.4	8.2	8.2	14.4	14.4	95.9	95.8	6.9	6.6	2.1	5.1	4	4	87	89	820720	804867	<0.2	<0.2	0.8	0.8
						1.0	0.1	323	28.4		8.2		14.5		95.7		6.9		2.0		3		86				<0.2		0.9	
					Middle	3.9	0.2	313	28.2	28.2	8.2	8.2	15.3	15.3	87.0	86.8	6.2		2.4		4		88				<0.2		0.8	
						3.9	0.2	323	28.2		8.2		15.3		86.5		6.2		2.5		3		89				<0.2		0.8	
					Bottom	6.7	0.1	314	25.9	26.0	8.1	8.1	29.9	29.9	52.9	53.0	3.6	3.6	10.7		5		90				<0.2		0.8	
						6.7	0.1	326	26.0		8.1		29.9		53.0		3.6		10.7		5		91				<0.2		0.8	
IM6	Cloudy	Moderate	14:23	6.8	Surface	1.0	0.5	201	28.1	28.1	8.1	8.1	15.0	15.0	88.8	88.6	6.4	5.4	2.3	5.9	4	3	87	89	821050	805812	<0.2	<0.2	0.8	0.8
						1.0	0.6	206	28.1		8.1		15.0		88.4		6.4		2.3		3		86				<0.2		0.7	
					Middle	3.4	0.1	211	27.4	27.4	8.1	8.1	22.3	22.3	61.4	61.4	4.3		4.5		3		89				<0.2		0.9	
						3.4	0.1	220	27.4		8.1		22.3		61.4		4.3		4.6		4		89				<0.2		0.8	
					Bottom	5.8	0.1	26	25.8	25.9	8.1	8.1	30.2	30.2	53.7	54.1	3.7	3.7	11.0		2		92				<0.2		0.7	
						5.8	0.1	26	25.9		8.1		30.2		54.5		3.7		10.5		3		92				<0.2		0.8	
IM7	Cloudy	Moderate	14:18	8.1	Surface	1.0	0.6	245	28.3	28.3	8.1	8.1	15.3	15.3	88.7	88.6	6.4	5.2	2.2	5.0	2	3	86	88	821360	806841	<0.2	<0.2	1.4	1.4
						1.0	0.6	253	28.3		8.1		15.3		88.5		6.3		2.1		3		87				<0.2		1.3	
					Middle	4.1	0.6	239	26.9	26.9	8.0	8.0	24.0	24.1	56.8	56.8	4.0		4.4		2		88				<0.2		1.4	
						4.1	0.6	246	26.8		8.0		24.1		56.7		4.0		4.7		2		87				<0.2		1.4	
					Bottom	7.1	0.3	212	26.0	26.0	8.1	8.1	25.1	25.1	53.5	53.5	3.8	3.8	8.4		3		90				<0.2		1.4	
						7.1	0.3	232	26.0		8.1		25.1		53.5		3.8		8.4		4		90				<0.2		1.3	
IM8	Fine	Moderate	14:45	7.9	Surface	1.0	0.4	187	28.2	28.2	8.1	8.1	15.5	15.6	94.2	94.2	6.7	6.5	4.5	5.1	3	3	88	91	821830	808145	<0.2	<0.2	1.5	1.6
						1.0	0.5	194	28.2		8.1		15.6		94.1		6.7		4.5		4		87				<0.2		1.5	
					Middle	4.0	0.3	208	28.1	28.1	8.1	8.1	16.7	16.7	89.4	89.0	6.4		4.2		3		90				<0.2		1.6	
						4.0	0.3	226	28.1		8.1		16.7		88.6		6.3		4.2		2		91				<0.2		1.6	
					Bottom	6.9	0.3	218	26.8	26.8	8.0	8.0	25.0	25.1	63.1	63.1	4.4	4.4	6.6		3		94				<0.2		1.6	
						6.9	0.3	231	26.8		8.0		25.1		63.1		4.4		6.9		2		95				<0.2		1.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 June 21 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	14:51	7.3	Surface	1.0	0.1	179	28.3	28.3	8.1	8.1	16.0	16.0	95.4	95.4	6.8	6.7	4.3	4.1	4	4	87	91	822107	808815	<0.2	<0.2	1.5	1.6
						1.0	0.1	196	28.3		8.1		16.0		95.3		6.8		4.3		3		87				<0.2		1.6	
					Middle	3.7	0.1	250	28.2	28.2	8.1	8.1	16.8	16.8	92.7	92.7	6.6		4.1		4		90				<0.2		1.6	
						3.7	0.1	259	28.2		8.1		16.8		92.6		6.6		4.1		4		91				<0.2		1.5	
					Bottom	6.3	0.1	282	27.7	27.7	8.0	8.0	20.0	20.1	78.4	78.4	5.5	5.5	3.9		4		94				<0.2		1.5	
						6.3	0.1	283	27.7		8.0		20.2		78.4		5.5		4.0		4		95				<0.2		1.6	
IM10	Fine	Moderate	14:59	7.5	Surface	1.0	0.2	125	28.2	28.2	8.1	8.1	17.6	17.6	90.2	90.1	6.4	6.3	4.3	7.5	5	5	87	91	822370	809782	<0.2	<0.2	1.4	1.6
						1.0	0.3	134	28.2		8.1		17.6		90.0		6.4		4.3		6		87				<0.2		1.5	
					Middle	3.8	0.2	113	28.0	28.0	8.1	8.1	17.9	17.9	86.2	86.1	6.1		4.1		5		91				<0.2		1.4	
						3.8	0.2	121	27.9		8.1		17.9		86.0		6.1		4.0		6		91				<0.2		1.5	
					Bottom	6.5	0.0	2	26.2	26.2	8.0	8.0	28.0	28.0	54.5	54.7	3.8	3.8	14.3		5		94				<0.2		1.9	
						6.5	0.0	2	26.2		8.0		28.0		54.8		3.8		13.9		5		95				<0.2		1.9	
IM11	Fine	Moderate	15:09	8.3	Surface	1.0	0.4	76	28.2	28.2	8.1	8.1	17.7	17.7	89.7	89.7	6.4	5.3	4.0	6.6	4	5	86	91	822041	811481	<0.2	<0.2	1.9	2.0
						1.0	0.4	79	28.2		8.1		17.7		89.6		6.3		3.9		4		87				<0.2		2.0	
					Middle	4.2	0.3	79	26.7	26.7	8.0	8.0	26.0	25.9	62.2	62.3	4.3		5.2		6		91				<0.2		1.8	
						4.2	0.3	79	26.7		8.0		25.9		62.4		4.3		5.2		6		91				<0.2		1.9	
					Bottom	7.3	0.1	317	26.1	26.1	8.0	8.0	28.5	28.4	56.3	56.4	3.9	3.9	10.9		6		94				<0.2		2.1	
						7.3	0.1	347	26.1		8.0		28.4		56.5		3.9		10.6		6		95				<0.2		2.0	
IM12	Fine	Moderate	15:16	7.8	Surface	1.0	0.1	52	28.2	28.2	8.1	8.1	16.9	16.9	93.1	93.1	6.6	5.5	4.2	6.5	5	4	87	91	821449	812030	<0.2	<0.2	2.0	1.9
						1.0	0.1	52	28.2		8.1		16.9		93.0		6.6		4.2		4		87				<0.2		2.0	
					Middle	3.9	0.0	18	26.9	26.9	8.0	8.0	24.3	24.3	62.2	62.3	4.3		5.7		5		91				<0.2		1.9	
						3.9	0.0	19	26.9		8.0		24.3		62.3		4.3		5.7		4		91				<0.2		2.0	
					Bottom	6.8	0.2	300	25.4	25.4	8.0	8.0	31.1	31.1	58.7	58.7	4.0	4.0	9.5		4		94				<0.2		1.9	
						6.8	0.3	318	25.4		8.0		31.1		58.7		4.0		9.6		4		95				<0.2		1.8	
SR1A	Fine	Moderate	15:53	5.6	Surface	1.0	-	-	28.5	28.5	8.1	8.1	14.9	14.9	110.7	110.6	7.9	7.9	4.0	6.3	4	4	-	-	819974	812657	-	-	-	-
						1.0	-	-	28.5		8.1		14.9		110.4		7.9		4.0		3		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	27.0	27.0	8.0	8.0	24.6	24.6	65.1	65.2	4.5	4.5	8.7		4		-				-		-	
						4.6	-	-	27.0		8.0		24.6		65.3		4.5		8.6		4		-				-		-	
SR2	Fine	Moderate	16:08	5.0	Surface	1.0	0.1	352	28.4	28.4	8.2	8.2	15.7	15.7	106.7	106.7	7.6	7.6	3.6	3.7	4	4	87	89	821483	814164	<0.2	<0.2	1.4	1.5
						1.0	0.1	324	28.4		8.2		15.7		106.6		7.6		3.6		4		87				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	339	28.1	28.1	8.2	8.2	17.2	17.2	100.1	100.1	7.1	7.1	3.9		4		90				<0.2		1.5	
						4.0	0.2	351	28.1		8.2		17.2		100.1		7.1		3.9		4		90				<0.2		1.4	
SR3	Fine	Moderate	14:40	8.8	Surface	1.0	0.5	201	27.9	27.9	8.1	8.1	17.8	17.8	87.6	87.6	6.2	5.7	4.5	6.8	3	3	-	-	822160	807547	-	-	-	-
						1.0	0.5	218	27.9		8.1		17.8		87.5		6.2		4.5		3		-				-		-	
					Middle	4.4	0.5	212	27.6	27.6	8.0	8.0	20.7	20.6	74.5	74.7	5.2		4.4		3		-				-		-	
						4.4	0.5	220	27.6		8.0		20.6		74.8		5.3		4.3		3		-				-		-	
					Bottom	7.8	0.3	227	25.8	25.8	8.0	8.0	30.3	30.3	56.4	56.6	3.9	3.9	11.8		3		-				-		-	
						7.8	0.3	237	25.8		8.0		30.2		56.7		3.9		11.7		4		-				-		-	
SR4A	Cloudy	Moderate	15:46	8.5	Surface	1.0	0.5	252	28.1	28.2	8.1	8.1	17.4	17.4	81.2	81.1	5.8	4.6	4.0	8.8	2	3	-	-	817165	807796	-	-	-	-
						1.0	0.6	267	28.2		8.1		17.4		81.0		5.7		4.2		2		-				-		-	
					Middle	4.3	0.4	248	25.6	25.6	8.2	8.2	31.0	31.0	51.1	51.2	3.5		9.4		3		-				-		-	
						4.3	0.4	271	25.6		8.2		31.0		51.3		3.5		9.7		2		-				-		-	
					Bottom	7.5	0.1	229	25.6	25.6	8.2	8.2	31.1	31.1	52.8	52.9	3.6	3.6	12.8		4		-				-		-	
						7.5	0.1	250	25.6		8.2		31.1		53.0		3.6		12.9		3		-				-		-	
SR5A	Cloudy	Moderate	16:06	3.8	Surface	1.0	0.3	306	27.8	27.8	8.2	8.2	17.2	17.2	86.6	86.4	6.2	6.2	7.1	8.6	<2	3	-	-	816581	810688	-	-	-	-
						1.0	0.4	319	27.8		8.2		17.2		86.1		6.2		7.5		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.3	305	27.5	27.6	8.1	8.1	22.3	22.3	64.4	66.1	4.5	4.6	10.0		4		-				-		-	
						2.8	0.3	308	27.6		8.1		22.3		67.8		4.7		10.0		3		-				-		-	
SR6A	Cloudy	Moderate	16:48	4.2	Surface	1.0	0.1	227	27.9	27.9	8.2	8.2	16.2	16.2	84.5	84.3	6.1	6.1	8.1	9.4	<2	2	-	-	817955	814725	-	-	-	-
						1.0	0.1	242	27.8		8.2		16.2		84.1		6.0		8.4		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	111	27.5	27.5	8.1	8.1	23.5	23.5	60.0	60.0	4.2	4.2	10.7		2		-				-		-	
						3.2	0.0	118	27.5		8.1		23.5		60.0		4.2		10.3		2		-				-		-	
SR7	Fine	Moderate	17:04	14.4	Surface	1.0	0.0	116	27.3	27.3	8.2	8.2	20.8	20.8	93.6	93.7	6.6	5.7	3.3	4.0	5	4	-	-	823635	823747	-	-	-	-
						1.0	0.0	125	27.3		8.2		20.8		93.8		6.6		3.3		5		-				-		-	
					Middle	7.2	0.1	184	25.4	25.4	8.1	8.1	30.0	30.0	68.2	68.2	4.7		3.7		3		-				-		-	
						7.2	0.1	185	25.4		8.1		30.0		68.2		4.7		3.7		4		-				-		-	
					Bottom	13.4	0.1	76	24.7	24.7	8.1	8.1	32.9	32.9	62.9	62.9	4.3	4.3	5.0		3		-				-		-	
						13.4	0.1	81	24.7		8.1		32.9		62.9		4.3		5.0		2		-				-		-	
SR8	Fine	Moderate	15:27	4.4	Surface	1.0	-	-	28.7	28.7	8.2	8.2	15.3	15.3	100.4	100.3	7.1	7.1	5.5	6.1	4	5	-	-	820391	811614	-	-	-	-
						1.0	-	-	28.7		8.2		15.3		100.1		7.1		5.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	27.7	27.7	8.1	8.1	18.8	18.8	80.7	80.7	5.7	5.7	6.5		5		-				-		-	
						3.4	-	-	27.7		8.1		18.8		80.7		5.7		6.8		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:18	7.9	Surface	1.0	0.6	207	27.3	27.3	8.1	8.1	23.4	23.4	119.0	119.0	8.3	7.7	2.5	7.5	13	12	82	87	815624	804236	<0.2	<0.2	1.6	1.8
						1.0	0.6	216	27.3		8.0		23.4		119.0		8.3		2.5		14		83						1.6	
					Middle	4.0	0.6	199	27.0	27.0	8.0	8.1	24.7	24.7	101.2	101.2	7.0		4.7		12		87				<0.2		2.0	
						4.0	0.7	202	27.0		8.1		24.7		101.2		7.0		4.7		10		87				<0.2		1.9	
					Bottom	6.9	0.5	220	26.3	26.3	8.1	8.1	28.1	28.1	81.3	81.4	5.6	5.6	15.4		14		90				<0.2		1.9	
						6.9	0.5	233	26.3		8.1		28.1		81.5		5.6		15.4		10		91				<0.2		1.7	
C2	Sunny	Calm	13:15	12.6	Surface	1.0	0.6	155	28.4	28.4	8.1	8.1	19.1	18.9	142.3	139.4	10.0	7.6	5.3	6.4	6	7	85	89	825695	806968	<0.2	<0.2	1.3	1.3
						1.0	0.7	156	28.3		8.1		18.7		136.5		9.6		5.4		6		86				<0.2		1.4	
					Middle	6.3	0.3	134	26.2	26.2	8.1	8.1	27.6	27.7	76.4	76.4	5.3		6.9		6		89				<0.2		1.3	
						6.3	0.4	142	26.2		8.1		27.7		76.3		5.3		6.9		7		89				<0.2		1.3	
					Bottom	11.6	0.2	125	26.2	26.2	8.1	8.1	27.9	27.9	76.6	76.8	5.3	5.3	7.0		7		91				<0.2		1.3	
						11.6	0.2	125	26.2		8.1		27.9		76.9		5.3		7.0		8		91				<0.2		1.3	
C3	Sunny	Calm	11:02	12.0	Surface	1.0	0.3	101	27.2	27.2	8.1	8.1	26.1	26.2	132.6	132.4	9.1	8.4	5.1	5.6	8	8	83	86	822095	817797	<0.2	<0.2	0.8	0.7
						1.0	0.3	110	27.1		8.1		26.3		132.2		9.1		5.1		7		83				<0.2		0.8	
					Middle	6.0	0.3	76	26.5	26.5	8.1	8.1	27.8	27.9	112.7	112.4	7.8		5.6		8		86				<0.2		0.8	
						6.0	0.3	82	26.4		8.1		28.0		112.1		7.7		5.5		8		86				<0.2		0.6	
					Bottom	11.0	0.3	51	25.8	25.9	8.1	8.1	29.6	29.4	82.9	83.2	5.7	5.8	6.1		9		88				<0.2		0.6	
						11.0	0.3	54	25.9		8.1		29.3		83.4		5.8		5.9		8		88				<0.2		0.6	
IM1	Sunny	Moderate	12:42	4.2	Surface	1.0	0.0	46	27.4	27.4	8.0	8.0	24.4	24.4	120.8	120.7	8.3	8.3	5.0	6.0	9	8	82	87	817945	807131	<0.2	<0.2	1.8	1.8
						1.0	0.0	49	27.4		8.0		24.4		120.6		8.3		5.1		10		83				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	309	26.7	26.7	8.1	8.1	26.5	26.5	79.6	79.7	5.5	5.5	6.9		4		90				<0.2		1.7	
						3.2	0.0	335	26.7		8.1		26.5		79.8		5.5		6.9		10		91				<0.2		1.7	
IM2	Sunny	Moderate	12:49	6.2	Surface	1.0	0.2	173	27.0	27.0	8.0	8.0	24.7	24.7	94.9	94.9	6.6	5.7	6.2	10.2	10	8	82	87	818173	806153	<0.2	<0.2	1.7	1.9
						1.0	0.2	187	27.0		7.9		24.7		94.8		6.6		6.1		9		83				<0.2		1.8	
					Middle	3.1	0.3	143	26.3	26.3	7.9	8.0	27.4	27.4	69.4	69.5	4.8		10.9		5		87				<0.2		1.8	
						3.1	0.3	153	26.3		8.1		27.4		69.5		4.8		11.0		8		87				<0.2		1.9	
					Bottom	5.2	0.1	25	26.2	26.2	8.1	8.1	27.9	27.9	73.6	73.6	5.1	5.1	13.4		8		91				<0.2		1.9	
						5.2	0.1	26	26.2		8.1		27.9		73.6		5.1		13.5		9		91				<0.2		2.0	
IM3	Sunny	Moderate	12:57	6.3	Surface	1.0	0.0	171	28.2	28.2	8.0	8.1	20.6	20.6	167.3	167.2	11.6	9.5	2.7	8.5	12	11	83	87	818781	805604	<0.2	<0.2	2.2	2.0
						1.0	0.0	184	28.2		8.1		20.6		167.1		11.6		2.8		11		83				<0.2		2.1	
					Middle	3.2	0.1	161	27.3	27.3	8.1	8.1	23.7	23.7	106.6	106.6	7.4		7.1		11		87				<0.2		2.1	
						3.2	0.1	166	27.3		8.1		23.6		106.6		7.4		7.2		12		87				<0.2		2.0	
					Bottom	5.3	0.2	133	26.7	26.7	8.1	8.1	25.7	25.7	76.5	76.6	5.3	5.3	15.7		10		90				<0.2		1.9	
						5.3	0.2	142	26.7		8.0		25.7		76.6		5.3		15.7		10		91				<0.2		1.9	
IM4	Sunny	Moderate	13:07	7.6	Surface	1.0	0.9	197	27.8	27.8	8.1	8.1	21.9	21.8	138.1	138.0	9.6	7.9	8.8	12.1	16	11	82	87	819710	804589	<0.2	<0.2	1.9	1.8
						1.0	0.9	197	27.8		8.1		21.8		137.8		9.6		8.9		12		83				<0.2		1.9	
					Middle	3.8	0.8	194	26.9	26.9	8.1	8.1	24.8	24.8	88.8	88.8	6.2		11.4		10		87				<0.2		1.8	
						3.8	0.8	210	26.9		8.1		24.8		88.7		6.2		11.5		11		87				<0.2		1.9	
					Bottom	6.6	0.6	189	26.9	27.0	8.1	8.1	24.9	24.9	87.4	87.5	6.1	6.1	16.1		9		90				<0.2		1.7	
						6.6	0.6	201	27.0		8.1		24.9		87.5		6.1		16.1		9		91				<0.2		1.8	
IM5	Sunny	Moderate	13:19	7.3	Surface	1.0	1.0	217	29.8	29.8	8.1	8.1	16.5	16.4	204.6	204.4	14.2	10.2	2.9	9.7	10	10	82	87	820733	804873	<0.2	<0.2	1.7	1.8
						1.0	1.1	231	29.8		8.1		16.4		204.1		14.2		2.9		10		83				<0.2		1.8	
					Middle	3.7	0.8	219	26.9	26.9	8.0	8.0	24.9	24.9	89.5	89.5	6.2		10.6		11		87				<0.2		1.8	
						3.7	0.8	219	26.9		8.0		24.9		89.4		6.2		10.6		10		88				<0.2		1.7	
					Bottom	6.3	0.6	225	26.9	26.9	8.1	8.1	25.0	25.0	88.2	88.2	6.1	6.1	15.7		10		90				<0.2		1.9	
						6.3	0.6	244	26.9		8.1		25.0		88.2		6.1		15.6		10		91				<0.2		1.8	
IM6	Sunny	Moderate	13:30	6.8	Surface	1.0	0.8	245	27.3	27.3	8.0	8.0	23.6	23.6	103.5	103.6	7.2	6.3	4.1	7.6	9	9	82	87	821047	805844	<0.2	<0.2	1.6	1.7
						1.0	0.8	245	27.3		8.0		23.6		103.7		7.2		4.0		8		83				<0.2		1.6	
					Middle	3.4	0.8	244	26.8	26.8	8.0	8.0	25.3	25.3	77.7	77.7	5.4		6.8		9		88				<0.2		1.7	
						3.4	0.8	255	26.8		8.0		25.3		77.7		5.4		6.8		9		88				<0.2		1.5	
					Bottom	5.8	0.5	237	26.8	26.8	8.1	8.1	25.9	25.9	71.7	71.8	5.0	5.0	12.0		10		90				<0.2		2.0	
						5.8	0.6	253	26.8		8.1		25.9		71.8		5.0		11.9		10		91				<0.2		1.9	
IM7	Sunny	Moderate	13:40	7.6	Surface	1.0	0.6	235	27.9	27.9	7.9	7.9	21.8	21.8	141.0	140.9	9.8	8.1	3.2	5.9	11	10	78	86	821330	806819	<0.2	<0.2	2.0	1.8
						1.0	0.6	241	27.9		7.9		21.8		140.7		9.8		3.2		11		83				<0.2		1.8	
					Middle	3.8	0.6	238	27.0	27.0	8.1	8.1	24.2	24.2	90.2	90.2	6.3		4.0		10		87				<0.2		1.7	
						3.8	0.6	258	27.0		8.1		24.2		90.1		6.3		4.0		9		87				<0.2		1.7	
					Bottom	6.6	0.4	253	26.9	26.9	8.1	8.1	25.0	25.0	82.3	82.4	5.7	5.7	10.5		10		91				<0.2		1.7	
						6.6	0.5	265	26.9		8.1		25.0		82.4		5.7		10.6		9		91				<0.2		1.8	
IM8	Sunny	Calm	12:45	8.0	Surface	1.0	0.1	142	28.5	28.5	8.1	8.1	20.3	20.3	165.2	163.9	11.5	9.4	4.6	6.5	9	9	86	89	821811	808160	<0.2	<0.2	1.1	1.1
						1.0	0.1	151	28.5		8.1		20.3		162.6		11.3		4.7		9		86				<0.2		1.1	
					Middle	4.0	0.2	120	27.0	27.0	8.1	8.1	23.8	23.8	106.3	106.3	7.4		6.2		9		91				<0.2		1.1	
						4.0	0.2	121	27.0		8.1		23.8		106.3		7.4		6.3		10		91				<0.2		1.1	
					Bottom	7.0	0.2	123	26.7	26.7	8.1	8.1	25.5	25.5	94.3	92.5	6.5	6.4	8.6		10		88				<0.2		1.1	
						7.0	0.2	123	26.7		8.1		25.6		90.7		6.3		8.6		9		92				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 June 21 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	Calm	12:39	8.0	Surface	1.0	0.1	89	28.6	28.7	8.1	8.1	20.2	20.2	174.5	174.5	12.1	9.9	4.4	6.1	9	9	86	89	822092	808789	<0.2	<0.2	1.1	1.1
						1.0	0.1	96	28.7		8.1		20.1		174.4		12.1		4.5		9		86						1.0	
					Middle	4.0	0.1	92	27.0	27.0	8.1	8.1	24.0	24.1	109.6	109.6	7.6		6.5		10		89				<0.2		1.1	
						4.0	0.1	99	27.0		8.1		24.2		109.5		7.6		6.5		9		91				<0.2		1.1	
					Bottom	7.0	0.1	79	26.8	26.8	8.2	8.1	25.2	25.2	97.5	98.1	6.8	6.9	7.5		10		91				<0.2		1.1	
						7.0	0.1	79	26.8		8.1		25.2		98.7		6.9		7.6		9		91				<0.2		1.0	
IM10	Sunny	Calm	12:32	7.2	Surface	1.0	0.3	79	27.9	27.9	8.1	8.1	21.3	21.3	155.5	155.3	10.8	10.0	4.6	5.4	10	9	83	87	822407	809786	<0.2	<0.2	1.1	1.1
						1.0	0.4	80	27.9		8.1		21.3		155.1		10.8		4.6		9		83				<0.2		1.1	
					Middle	3.6	0.3	99	27.3	27.3	8.1	8.1	22.6	22.6	130.9	130.3	9.2		5.5		9		87				<0.2		1.1	
						3.6	0.3	102	27.2		8.1		22.7		129.7		9.1		5.5		9		88				<0.2		1.0	
					Bottom	6.2	0.2	86	26.8	26.8	8.2	8.2	24.8	24.8	98.9	99.4	6.9	6.9	6.1		8		90				<0.2		1.0	
						6.2	0.2	90	26.8		8.2		24.8		99.8		6.9		6.1		8		90				<0.2		1.1	
IM11	Sunny	Calm	12:19	8.8	Surface	1.0	0.4	87	28.0	28.0	8.1	8.1	21.5	21.4	154.9	155.2	10.8	8.8	4.4	5.4	9	9	84	85	822075	811483	<0.2	<0.2	1.1	1.0
						1.0	0.4	93	28.0		8.1		21.4		155.4		10.8		4.4		9		84				<0.2		1.0	
					Middle	4.4	0.3	81	26.8	26.8	8.2	8.2	24.7	24.7	96.0	96.0	6.7		5.5		10		86				<0.2		1.0	
						4.4	0.3	83	26.8		8.2		24.7		96.0		6.7		5.5		9		85				<0.2		0.9	
					Bottom	7.8	0.2	74	26.7	26.7	8.2	8.2	25.4	25.4	90.4	90.6	6.3	6.3	6.3		10		86				<0.2		0.9	
						7.8	0.2	76	26.7		8.2		25.4		90.7		6.3		6.2		9		86				<0.2		0.9	
IM12	Sunny	Calm	12:11	9.0	Surface	1.0	0.5	101	27.1	27.1	8.1	8.1	23.2	23.2	124.8	123.8	8.7	7.4	5.4	6.6	9	9	84	86	821470	812024	<0.2	<0.2	1.0	1.0
						1.0	0.5	102	27.0		8.1		23.1		122.7		8.6		5.4		9		84				<0.2		1.1	
					Middle	4.5	0.4	117	26.7	26.7	8.1	8.1	25.6	25.7	88.6	88.3	6.2		7.0		8		85				<0.2		1.0	
						4.5	0.4	117	26.6		8.1		25.8		88.0		6.1		7.0		9		85				<0.2		1.0	
					Bottom	8.0	0.2	94	26.5	26.5	8.1	8.1	26.2	26.2	79.7	79.8	5.5	5.5	7.6		8		88				<0.2		0.8	
						8.0	0.2	98	26.5		8.1		26.2		79.9		5.5		7.6		8		88				<0.2		0.9	
SR1A	Sunny	Calm	11:43	4.0	Surface	1.0	-	-	27.5	27.5	8.1	8.1	22.6	22.6	131.7	131.5	9.2	9.2	5.1	5.9	10	10	-	-	819974	812656	-	-	-	-
						1.0	-	-	27.5		8.1		22.6		131.3		9.1		5.2		9		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	27.4	27.4	8.1	8.1	22.8	22.8	123.1	123.1	8.6	8.6	6.6		9		-				-		-	
						3.0	-	-	27.4		8.1		22.8		123.1		8.6		6.6		10		-				-		-	
SR2	Sunny	Calm	11:27	5.0	Surface	1.0	0.5	114	27.1	27.1	8.1	8.1	23.4	23.6	124.4	122.9	8.7	8.6	4.4	5.1	9	9	85	86	821453	814158	<0.2	<0.2	0.8	0.8
						1.0	0.5	118	27.1		8.1		23.7		121.4		8.5		4.6		8		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	110	26.9	26.9	8.1	8.1	24.6	24.6	102.4	103.0	7.1	7.2	5.7		9		87				<0.2		0.8	
						4.0	0.3	112	26.9		8.1		24.6		103.5		7.2		5.8		8		87				<0.2		0.8	
SR3	Sunny	Calm	12:50	9.4	Surface	1.0	0.2	135	27.4	27.4	8.1	8.1	21.8	21.9	146.1	144.8	10.2	8.3	5.0	5.5	10	9	-	-	822146	807571	-	-	-	-
						1.0	0.2	140	27.3		8.1		21.9		143.4		10.1		5.0		9		-				-		-	
					Middle	4.7	0.3	127	26.8	26.8	8.1	8.1	25.0	25.1	93.8	93.7	6.5		5.3		9		-				-		-	
						4.7	0.3	135	26.8		8.1		25.1		93.6		6.5		5.4		9		-				-		-	
					Bottom	8.4	0.1	152	26.8	26.8	8.1	8.1	25.3	25.3	88.1	88.7	6.1	6.2	6.3		8		-				-		-	
						8.4	0.1	152	26.8		8.1		25.3		89.2		6.2		6.2		9		-				-		-	
SR4A	Sunny	Moderate	11:55	8.2	Surface	1.0	0.1	358	28.4	28.4	8.1	8.1	20.0	20.0	153.0	152.9	10.6	8.3	3.6	7.7	19	17	-	-	817171	807789	-	-	-	-
						1.0	0.1	329	28.4		8.0		20.0		152.7		10.6		3.6		19		-				-		-	
					Middle	4.1	0.1	67	26.8	26.8	8.0	8.1	25.8	25.8	85.4	85.4	5.9		7.0		19		-				-		-	
						4.1	0.1	72	26.8		8.1		25.8		85.4		5.9		6.9		11		-				-		-	
					Bottom	7.2	0.1	74	26.7	26.7	8.1	8.1	26.4	26.4	79.6	79.6	5.5	5.5	12.7		12		-				-		-	
						7.2	0.1	77	26.7		8.1		26.4		79.6		5.5		12.6		19		-				-		-	
SR5A	Sunny	Moderate	11:37	3.1	Surface	1.0	0.1	75	28.5	28.5	8.1	8.1	21.3	21.3	165.6	165.6	11.4	11.4	5.1	6.8	13	15	-	-	816579	810706	-	-	-	-
						1.0	0.1	75	28.5		8.0		21.3		165.6		11.4		5.0		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.1	356	28.3	28.3	8.0	8.1	21.5	21.5	160.0	160.0	11.1	11.1	8.6		20		-				-		-	
						2.1	0.1	328	28.3		8.1		21.5		159.9		11.1		8.6		13		-				-		-	
SR6A	Sunny	Moderate	11:07	4.6	Surface	1.0	0.1	100	28.0	28.0	8.1	8.1	24.2	24.2	133.2	133.2	9.1	9.1	5.3	8.2	14	15	-	-	817982	814747	-	-	-	-
						1.0	0.1	101	28.0		8.1		24.2		133.1		9.1		5.3		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	106	26.5	26.5	8.1	8.1	26.5	26.5	70.6	70.7	4.9	4.9	11.1		17		-				-		-	
						3.6	0.0	110	26.5		8.1		26.5		70.7		4.9		11.1		16		-				-		-	
SR7	Sunny	Calm	10:24	15.0	Surface	1.0	0.1	64	26.5	26.5	8.1	8.1	27.8	27.8	118.2	118.2	8.1	7.1	1.2	2.5	7	7	-	-	823645	823751	-	-	-	-
						1.0	0.1	65	26.5		8.1		27.9		118.2		8.1		1.2		8		-				-		-	
					Middle	7.5	0.1	77	25.7	25.7	8.2	8.2	29.9	30.0	87.0	87.0	6.0		2.7		8		-				-		-	
						7.5	0.1	78	25.7		8.2		30.0		86.9		6.0		2.7		7		-				-		-	
					Bottom	14.0	0.1	80	25.5	25.5	8.2	8.2	30.6	30.6	78.9	79.0	5.4	5.4	3.5		6		-				-		-	
						14.0	0.1	87	25.5		8.2		30.6		79.0		5.4		3.6		7		-				-		-	
SR8	Sunny	Calm	12:04	3.6	Surface	1.0	-	-	27.7	27.7	8.1	8.1	23.0	23.1	132.3	131.6	9.2	9.2	4.6	5.8	10	9	-	-	820388	811617	-	-	-	-
						1.0	-	-	27.7		8.1		23.2		130.9		9.1		4.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	27.5	27.5	8.1	8.1	23.6	23.6	114.2	114.2	7.9	7.9	6.9		8		-				-		-	
						2.6	-	-	27.5		8.1		23.5		114.2		7.9		6.9		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	18:13	6.9	Surface	1.0	0.3	179	27.8	27.8	8.0	8.0	23.1	23.1	129.9	129.9	9.0	7.9	11.2	11.7	12	11	83	87	815629	804258	<0.2	<0.2	1.7	1.5
						1.0	0.3	196	27.8		8.0		23.1		129.9		9.0		11.1		11		83				<0.2		1.8	
					Middle	3.5	0.2	166	27.0	27.0	8.1	8.1	24.6	24.6	96.9	96.9	6.7		11.6		11		87				<0.2		1.6	
						3.5	0.2	176	27.0		8.1		24.6		96.8		6.7		11.6		11		87				<0.2		1.7	
					Bottom	5.9	0.1	344	26.5	26.5	8.1	8.1	26.9	26.9	80.7	80.7	5.6	5.6	12.3		12		90				<0.2		1.2	
						5.9	0.1	348	26.5		8.1		26.9		80.7		5.6		12.4		11		91				<0.2		1.2	
C2	Sunny	Calm	17:01	12.4	Surface	1.0	0.4	223	28.4	28.4	8.1	8.1	16.0	15.9	135.8	136.5	9.7	7.7	4.6	6.3	6	7	88	91	825694	806951	<0.2	<0.2	1.3	1.5
						1.0	0.4	237	28.4		8.1		15.8		137.1		9.8		4.6		6		88				<0.2		1.3	
					Middle	6.2	0.5	252	26.6	26.6	8.1	8.1	25.2	25.2	80.6	80.7	5.6		6.4		6		91				<0.2		1.7	
						6.2	0.5	261	26.6		8.1		25.2		80.7		5.6		6.4		6		91				<0.2		1.6	
					Bottom	11.4	0.3	293	26.3	26.4	8.1	8.1	27.2	27.2	75.7	75.9	5.2	5.3	7.8		7		94				<0.2		1.6	
						11.4	0.3	310	26.4		8.1		27.3		76.0		5.3		7.7		8		94				<0.2		1.6	
C3	Sunny	Calm	18:49	12.0	Surface	1.0	0.5	170	28.1	28.1	8.1	8.1	23.1	23.2	165.0	163.5	11.3	8.9	4.8	6.1	13	11	87	90	822090	817809	<0.2	<0.2	1.3	1.3
						1.0	0.5	174	28.1		8.1		23.2		161.9		11.1		4.7		12		88				<0.2		1.3	
					Middle	6.0	0.2	180	26.5	26.5	8.1	8.1	26.5	26.6	94.6	94.5	6.6		6.0		10		88				<0.2		1.3	
						6.0	0.2	191	26.4		8.1		26.6		94.4		6.5		6.0		10		88				<0.2		1.2	
					Bottom	11.0	0.1	296	26.1	26.1	8.1	8.1	28.4	28.4	86.8	87.0	6.0	6.0	7.7		11		93				<0.2		1.2	
						11.0	0.1	313	26.0		8.1		28.4		87.1		6.0		7.6		10		93				<0.2		1.3	
IM1	Sunny	Moderate	17:51	3.9	Surface	1.0	0.0	43	28.6	28.6	8.1	8.1	22.4	22.4	170.5	170.4	11.7	11.7	3.3	5.6	10	9	84	87	817934	807150	<0.2	<0.2	2.3	2.2
						1.0	0.0	45	28.6		8.1		22.4		170.3		11.7		3.3		9		84				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	10	26.6	26.6	8.1	8.1	26.9	26.9	75.8	75.9	5.2	5.2	7.9		8		90				<0.2		2.1	
						2.9	0.1	10	26.6		8.1		26.9		75.9		5.2		7.9		9		91				<0.2		2.0	
IM2	Sunny	Moderate	17:43	6.1	Surface	1.0	0.2	12	27.7	27.7	8.1	8.1	23.9	23.9	135.7	135.3	9.4	7.3	4.7	7.3	9	9	82	87	818150	806184	<0.2	<0.2	2.0	2.1
						1.0	0.2	12	27.7		8.1		23.9		134.9		9.3		4.7		8		83				<0.2		2.1	
					Middle	3.1	0.2	354	26.7	26.7	8.1	8.1	25.7	25.7	76.2	76.2	5.3		7.1		10		86				<0.2		2.1	
						3.1	0.2	326	26.7		8.1		25.7		76.2		5.3		7.3		9		86				<0.2		2.1	
					Bottom	5.1	0.1	354	26.3	26.3	8.1	8.1	27.5	27.5	71.1	71.1	4.9	4.9	10.1		9		91				<0.2		2.1	
						5.1	0.1	326	26.3		8.1		27.5		71.1		4.9		10.0		10		91				<0.2		2.2	
IM3	Sunny	Moderate	17:36	6.2	Surface	1.0	0.1	290	28.0	28.0	8.1	8.1	22.9	22.9	169.4	169.8	11.7	8.5	4.9	9.3	10	11	83	87	818769	805598	<0.2	<0.2	1.9	1.9
						1.0	0.1	292	28.0		8.1		22.9		170.1		11.7		4.9		10		83				<0.2		1.7	
					Middle	3.1	0.1	277	26.7	26.7	8.1	8.1	26.0	26.0	74.8	74.8	5.2		8.6		11		86				<0.2		2.0	
						3.1	0.1	297	26.7		8.1		26.0		74.8		5.2		8.5		11		87				<0.2		2.1	
					Bottom	5.2	0.1	353	26.3	26.3	8.1	8.1	27.5	27.5	70.2	70.2	4.9	4.9	14.4		11		90				<0.2		1.9	
						5.2	0.1	359	26.3		8.1		27.5		70.2		4.9		14.4		12		90				<0.2		1.9	
IM4	Sunny	Moderate	17:26	7.3	Surface	1.0	0.6	210	27.6	27.6	8.1	8.1	22.5	22.5	120.0	119.9	8.3	7.7	13.3	13.0	10	10	82	86	819738	804599	<0.2	<0.2	1.8	1.9
						1.0	0.6	230	27.6		8.1		22.5		119.7		8.3		13.3		9		83				<0.2		1.8	
					Middle	3.7	0.5	210	27.3	27.3	8.1	8.1	23.7	23.7	102.8	102.8	7.1		10.5		9		86				<0.2		1.9	
						3.7	0.5	226	27.3		8.1		23.7		102.8		7.1		10.6		10		86				<0.2		1.9	
					Bottom	6.3	0.3	230	27.2	27.2	8.1	8.1	24.2	24.2	96.3	96.3	6.7	6.7	15.2		10		90				<0.2		1.9	
						6.3	0.3	243	27.2		8.1		24.2		96.3		6.7		15.2		11		91				<0.2		1.8	
IM5	Sunny	Moderate	17:19	6.8	Surface	1.0	0.9	224	29.0	29.0	8.1	8.1	17.9	17.9	167.9	167.9	11.7	11.8	3.0	8.6	9	10	83	87	820727	804890	<0.2	<0.2	2.1	1.9
						1.0	1.0	224	29.0		8.1		17.9		167.9		11.7		3.0		10		83				<0.2		2.0	
					Middle	3.4	0.9	232	28.5	28.5	8.1	8.1	19.5	19.5	169.6	169.3	11.8		6.1		10		86				<0.2		1.8	
						3.4	1.0	252	28.5		8.1		19.5		169.0		11.8		6.1		11		87				<0.2		1.9	
					Bottom	5.8	0.6	224	27.7	27.7	8.1	8.1	22.1	22.1	116.5	116.5	8.1	8.1	16.8		10		90				<0.2		1.9	
						5.8	0.6	246	27.7		8.1		22.2		116.4		8.1		16.8		11		91				<0.2		1.9	
IM6	Sunny	Moderate	17:12	6.3	Surface	1.0	1.0	249	28.1	28.1	8.1	8.1	21.3	21.3	145.0	144.9	10.1	9.1	5.7	10.6	11	12	78	86	821071	805843	<0.2	<0.2	1.9	2.0
						1.0	1.0	256	28.1		8.1		21.3		144.8		10.1		5.7		12		82				<0.2		1.9	
					Middle	3.2	0.9	249	27.5	27.5	8.1	8.1	22.4	22.4	115.4	115.4	8.0		11.2		12		86				<0.2		2.1	
						3.2	1.0	271	27.5		8.1		22.4		115.4		8.0		11.2		12		86				<0.2		2.1	
					Bottom	5.3	0.7	247	27.6	27.6	8.1	8.1	22.4	22.4	113.4	113.4	7.9	7.9	15.0		13		91				<0.2		1.9	
						5.3	0.7	254	27.6		8.1		22.4		113.3		7.9		15.0		14		91				<0.2		1.9	
IM7	Sunny	Moderate	17:06	6.9	Surface	1.0	0.8	246	28.1	28.1	8.1	8.1	20.4	20.4	148.8	148.7	10.4	9.8	3.7	8.7	15	12	82	86	821369	806849	<0.2	<0.2	2.1	1.9
						1.0	0.9	246	28.1		8.1		20.4		148.5		10.4		3.8		14		83				<0.2		2.1	
					Middle	3.5	0.8	252	27.7	27.7	8.1	8.1	21.2	21.2	130.4	130.5	9.1		8.0		10		86				<0.2		1.9	
						3.5	0.8	256	27.7		8.1		21.2		130.6		9.1		8.1		11		87				<0.2		1.9	
					Bottom	5.9	0.6	245	27.6	27.6	8.1	8.1	21.7	21.7	121.7	121.7	8.5	8.5	14.3		11		90				<0.2		1.7	
						5.9	0.6	258	27.6		8.1		21.7		121.7		8.5		14.3		10		90				<0.2		1.8	
IM8	Sunny	Calm	17:20	8.0	Surface	1.0	0.3	243	28.1	28.1	8.1	8.1	20.3	20.3	177.8	177.5	12.4	10.8	4.6	5.0	5	5	86	89	821848	808141	<0.2	<0.2	1.6	1.6
						1.0	0.3	264	28.1		8.1		20.3		177.1		12.4		4.6		5		86				<0.2		1.6	
					Middle	4.0	0.3	240	27.6	27.6	8.1	8.1	21.3	21.3	131.1	130.9	9.2		4.6		6		89				<0.2		1.5	
						4.0	0.3	246	27.6		8.1		21.4		130.6		9.1		4.6		5		89				<0.2		1.5	
					Bottom	7.0	0.2	252	27.3	27.3	8.1	8.1	22.4	22.4	115.5	115.6	8.1	8.1	5.8		5		93				<0.2		1.6	
						7.0	0.3	257	27.3		8.1		22.4		115.7		8.1		5.7		6		93				<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 08 June 21 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	Calm	17:26	7.4	Surface	1.0	0.1	3	28.3	28.3	8.1	8.1	19.5	19.4	148.3	148.1	10.4	10.0	6.2	7.5	5	5	87	90	822095	808822	<0.2	<0.2	1.7	1.7
						1.0	0.1	3	28.2		8.1		19.3		147.9		10.4		6.2		5		87				<0.2		1.7	
					Middle	3.7	0.1	313	27.7	27.7	8.1	8.1	21.1	21.2	136.8	136.8	9.6		7.7		5		91				<0.2		1.7	
						3.7	0.1	341	27.7		8.1		21.3		136.7		9.6		7.8		5		91				<0.2		1.7	
					Bottom	6.4	0.1	302	27.3	27.3	8.1	8.1	22.6	22.6	110.9	111.1	7.7	7.8	8.5		5		92				<0.2		1.6	
						6.4	0.1	313	27.3		8.1		22.6		111.3		7.8		8.6		5		92				<0.2		1.7	
IM10	Sunny	Calm	17:32	7.2	Surface	1.0	0.2	354	27.5	27.5	8.1	8.1	20.9	20.9	125.8	125.2	8.9	8.2	4.7	5.3	6	6	86	90	822393	809814	<0.2	<0.2	1.4	1.5
						1.0	0.2	326	27.4		8.1		21.0		124.5		8.8		4.8		6		87				<0.2		1.4	
					Middle	3.6	0.3	355	27.3	27.3	8.1	8.1	23.0	23.0	108.0	107.9	7.5		5.0		6		91				<0.2		1.4	
						3.6	0.3	327	27.3		8.1		23.0		107.7		7.5		5.1		6		91				<0.2		1.5	
					Bottom	6.2	0.2	350	27.1	27.1	8.2	8.2	23.5	23.5	100.9	101.8	7.0	7.1	6.0		6		92				<0.2		1.5	
						6.2	0.2	322	27.1		8.2		23.5		102.6		7.2		6.0		6		93				<0.2		1.5	
IM11	Sunny	Calm	17:41	8.0	Surface	1.0	0.2	300	28.5	28.5	8.1	8.1	18.7	18.7	155.1	154.9	10.9	9.8	4.2	5.6	8	7	86	89	822055	811483	<0.2	<0.2	1.5	1.5
						1.0	0.2	307	28.5		8.1		18.6		154.7		10.8		4.3		7		87				<0.2		1.5	
					Middle	4.0	0.3	310	27.4	27.4	8.1	8.1	22.2	22.3	126.1	124.5	8.8		5.7		7		90				<0.2		1.5	
						4.0	0.3	318	27.3		8.1		22.4		122.9		8.6		5.7		8		90				<0.2		1.5	
					Bottom	7.0	0.3	297	27.1	27.1	8.1	8.1	23.9	23.9	100.4	100.5	7.0	7.0	6.8		7		92				<0.2		1.5	
						7.0	0.4	322	27.1		8.1		23.9		100.6		7.0		6.8		7		91				<0.2		1.5	
IM12	Sunny	Calm	17:46	9.0	Surface	1.0	0.3	313	27.9	28.0	8.1	8.1	20.6	20.5	154.4	154.9	10.8	9.2	5.8	7.2	9	9	86	88	821446	812056	<0.2	<0.2	1.6	1.5
						1.0	0.3	336	28.1		8.1		20.3		155.4		10.9		5.8		10		86				<0.2		1.5	
					Middle	4.5	0.4	287	27.2	27.2	8.1	8.1	23.7	23.7	108.1	108.1	7.5		7.7		8		87				<0.2		1.5	
						4.5	0.4	296	27.2		8.1		23.7		108.1		7.5		7.7		8		87				<0.2		1.6	
					Bottom	8.0	0.3	286	27.7	27.8	8.1	8.1	24.0	24.0	105.6	106.0	7.3	7.3	8.2		9		92				<0.2		1.5	
						8.0	0.3	300	27.8		8.1		23.9		106.3		7.3		8.2		8		88				<0.2		1.5	
SR1A	Sunny	Calm	18:15	4.2	Surface	1.0	-	-	28.2	28.2	8.1	8.1	20.9	20.9	181.4	181.2	12.6	12.6	5.6	5.6	13	12	-	-	819979	812658	-	-	-	-
						1.0	-	-	28.2		8.1		21.0		181.0		12.6		5.6		12		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	28.2	28.2	8.1	8.1	22.1	22.0	159.1	159.0	11.0	11.0	5.7		11		-				-		-	
						3.2	-	-	28.2		8.1		22.0		158.8		11.0		5.7		12		-				-		-	
SR2	Sunny	Calm	18:29	4.0	Surface	1.0	0.2	346	29.6	29.6	8.1	8.1	17.7	17.7	200.0	199.6	13.8	13.8	5.2	6.6	10	9	90	91	821452	814173	<0.2	<0.2	1.1	1.1
						1.0	0.2	355	29.6		8.1		17.7		199.2		13.8		5.2		10		90				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	234	27.9	27.9	8.1	8.1	21.4	21.4	163.8	161.1	11.4	11.2	8.1		8		92				<0.2		1.0	
						3.0	0.0	255	27.9		8.1		21.4		158.4		11.0		8.1		9		92				<0.2		1.0	
SR3	Sunny	Calm	17:16	9.0	Surface	1.0	0.2	234	27.5	27.5	8.1	8.1	21.1	21.1	134.2	134.5	9.4	8.1	5.0	5.6	5	5	-	-	822125	807556	-	-	-	-
						1.0	0.3	244	27.4		8.1		21.2		134.8		9.5		5.0		6		-				-		-	
					Middle	4.5	0.3	211	27.1	27.1	8.2	8.2	23.3	23.3	95.7	95.7	6.7		5.8		6		-				-		-	
						4.5	0.3	229	27.1		8.2		23.3		95.6		6.7		5.7		5		-				-		-	
					Bottom	8.0	0.2	273	27.0	27.0	8.2	8.2	23.7	23.7	91.2	90.8	6.4	6.4	6.1		5		-				-		-	
						8.0	0.2	280	27.0		8.2		23.7		90.3		6.3		6.0		5		-				-		-	
SR4A	Sunny	Moderate	18:36	8.4	Surface	1.0	0.5	248	28.2	28.2	8.1	8.1	22.7	22.7	154.5	154.5	10.6	10.3	11.4	13.7	13	13	-	-	817201	807825	-	-	-	-
						1.0	0.5	263	28.2		8.0		22.8		154.4		10.6		11.4		12		-				-		-	
					Middle	4.2	0.5	245	28.1	28.1	8.0	8.0	23.0	23.0	143.5	143.4	9.9		12.7		11		-				-		-	
						4.2	0.5	248	28.1		8.0		23.0		143.3		9.9		12.8		14		-				-		-	
					Bottom	7.4	0.4	250	27.3	27.3	8.0	8.0	24.6	24.6	99.1	99.1	6.9	6.9	16.8		12		-				-		-	
						7.4	0.4	263	27.3		8.0		24.6		99.1		6.9		16.8		13		-				-		-	
SR5A	Sunny	Moderate	18:57	3.6	Surface	1.0	0.3	285	28.4	28.4	8.1	8.1	23.5	23.5	164.8	164.8	11.2	11.2	5.1	6.8	13	14	-	-	816613	810716	-	-	-	-
						1.0	0.3	303	28.4		8.1		23.5		164.7		11.2		5.0		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	291	28.2	28.2	8.1	8.1	23.8	23.8	153.3	153.2	10.5	10.5	8.5		14		-				-		-	
						2.6	0.3	306	28.2		8.1		23.8		153.1		10.5		8.5		14		-				-		-	
SR6A	Sunny	Moderate	19:30	3.8	Surface	1.0	0.0	267	27.9	27.9	8.1	8.1	23.9	23.9	152.0	152.0	10.4	10.4	10.5	11.7	9	8	-	-	817969	814727	-	-	-	-
						1.0	0.0	281	27.9		8.1		23.9		151.9		10.4		10.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	337	27.9	27.9	8.1	8.1	24.2	24.2	145.8	145.8	10.0	10.0	12.9		7		-				-		-	
						2.8	0.0	353	27.9		8.1		24.2		145.8		10.0		12.9		8		-				-		-	
SR7	Sunny	Calm	19:20	18.0	Surface	1.0	0.1	100	27.7	27.7	8.1	8.1	23.8	23.8	145.6	144.3	10.0	7.7	3.7	4.6	8	7	-	-	823631	823757	-	-	-	-
						1.0	0.1	102	27.7		8.1		23.8		142.9		9.8		3.8		8		-				-		-	
					Middle	9.0	0.1	261	26.0	26.0	8.1	8.1	28.7	28.7	80.3	80.1	5.5		4.4		8		-				-		-	
						9.0	0.1	286	26.0		8.1		28.8		79.9		5.5		4.4		7		-				-		-	
					Bottom	17.0	0.1	102	25.9	25.9	8.1	8.1	29.3	29.3	81.3	81.6	5.6	5.6	5.9		7		-				-		-	
						17.0	0.1	105	25.9		8.1		29.3		81.8		5.6		5.8		6		-				-		-	
SR8	Sunny	Calm	17:53	5.4	Surface	1.0	-	-	29.1	29.1	8.1	8.1	19.0	19.0	208.7	207.9	14.4	14.4	7.5	7.8	8	8	-	-	820381	811639	-	-	-	-
						1.0	-	-	29.1		8.1		19.0		207.1		14.3		7.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	29.2	29.3	8.1	8.1	19.1	19.1	183.0	178.4	12.6	12.3	8.1		9		-				-		-	
						4.4	-	-	29.3		8.1		19.1		173.8		12.0		8.0		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 10 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:07	7.1	Surface	1.0	0.6	215	27.6	27.6	8.2	8.2	24.8	24.8	84.6	84.7	5.8	5.8	12.0	17.3	6	7	89	91	815625	804246	<0.2	<0.2	1.1	1.1
						1.0	0.6	219	27.6		8.2		24.8		84.7		5.8		11.9		5		88				<0.2		1.1	
					Middle	3.6	0.5	201	27.3	27.3	8.2	8.2	25.6	25.6	84.0	83.9	5.8		13.7		6		90				<0.2		1.1	
						3.6	0.5	208	27.2		8.2		25.6		83.8		5.8		15.1		5		90				<0.2		1.1	
					Bottom	6.1	0.4	209	26.6	26.6	8.2	8.2	27.9	27.9	71.3	71.5	4.9	4.9	25.1		9		93				<0.2		1.0	
						6.1	0.4	226	26.6		8.2		27.9		71.6		4.9		26.1		9		93				<0.2		1.0	
C2	Fine	Moderate	11:26	10.6	Surface	1.0	1.1	180	28.4	28.4	8.4	8.4	16.0	15.9	135.8	136.5	9.7	7.7	4.6	6.3	6	5	88	91	825701	806926	<0.2	<0.2	1.0	1.1
						1.0	1.1	182	28.4		8.4		15.8		137.1		9.8		4.6		6		88				<0.2		1.1	
					Middle	5.3	1.1	175	26.6	26.6	8.1	8.1	25.2	25.2	80.6	80.7	5.6		6.4		5		91				<0.2		1.0	
						5.3	1.1	178	26.6		8.1		25.2		80.7		5.6		6.4		6		91				<0.2		1.0	
					Bottom	9.6	0.5	182	26.3	26.4	8.1	8.1	27.2	27.2	75.7	75.9	5.2	5.3	7.8		5		94				<0.2		1.1	
						9.6	0.5	190	26.4		8.1		27.3		76.0		5.3		7.7		4		94				<0.2		1.1	
C3	Fine	Calm	13:14	11.2	Surface	1.0	0.3	98	28.1	28.1	8.6	8.6	23.1	23.2	165.0	163.5	11.3	8.9	4.8	5.5	5	5	87	90	822107	817819	<0.2	<0.2	1.0	1.1
						1.0	0.3	104	28.1		8.6		23.2		161.9		11.1		4.7		5		88				<0.2		1.1	
					Middle	5.6	0.2	123	26.5	26.5	8.2	8.2	26.5	26.6	94.6	94.5	6.6		5.0		5		88				<0.2		1.1	
						5.6	0.2	131	26.4		8.2		26.6		94.4		6.5		5.0		4		88				<0.2		1.0	
					Bottom	10.2	0.4	66	26.1	26.1	8.1	8.1	28.4	28.4	86.8	87.0	6.0	6.0	6.7		4		93				<0.2		1.0	
						10.2	0.5	68	26.0		8.1		28.4		87.1		6.0		6.6		5		93				<0.2		1.1	
IM1	Cloudy	Moderate	14:06	4.2	Surface	1.0	0.0	136	26.9	26.9	8.2	8.2	26.9	26.9	74.4	74.4	5.1	5.1	7.2	8.5	5	9	87	90	817939	807145	<0.2	<0.2	0.7	0.8
						1.0	0.0	141	26.9		8.2		26.9		74.4		5.1		7.2		10		87				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	123	26.6	26.6	8.2	8.2	27.6	27.5	70.6	70.7	4.9	4.9	9.8		11		92				<0.2		0.8	
						3.2	0.1	135	26.6		8.2		27.5		70.8		4.9		9.7		11		93				<0.2		0.8	
IM2	Cloudy	Moderate	13:54	6.2	Surface	1.0	0.1	211	27.4	27.4	8.2	8.2	26.1	26.1	85.6	85.6	5.9	5.8	4.5	5.1	10	9	86	89	818172	806170	<0.2	<0.2	0.7	0.8
						1.0	0.1	228	27.4		8.2		26.1		85.6		5.9		4.4		10		87				<0.2		0.6	
					Middle	3.1	0.1	136	27.3	27.3	8.2	8.2	26.5	26.5	81.6	81.5	5.6		4.1		9		90				<0.2		0.7	
						3.1	0.1	136	27.3		8.2		26.5		81.3		5.6		4.1		8		90				<0.2		0.8	
					Bottom	5.2	0.2	98	26.5	26.5	8.2	8.2	27.8	27.8	67.8	67.9	4.7	4.7	6.6		7		91				<0.2		0.9	
						5.2	0.2	99	26.5		8.2		27.8		68.0		4.7		6.9		8		91				<0.2		0.9	
IM3	Cloudy	Moderate	13:42	6.1	Surface	1.0	0.1	224	27.4	27.4	8.2	8.2	26.5	26.5	84.2	84.1	5.8	5.5	3.5	6.1	8	7	85	88	818787	805598	<0.2	<0.2	0.9	1.0
						1.0	0.1	239	27.3		8.2		26.5		84.0		5.8		3.8		7		85				<0.2		1.0	
					Middle	3.1	0.1	175	26.9	26.9	8.2	8.2	26.6	26.6	75.0	75.2	5.2		4.8		7		88				<0.2		1.0	
						3.1	0.1	192	26.9		8.2		26.6		75.3		5.2		5.1		8		88				<0.2		0.9	
					Bottom	5.1	0.2	140	26.8	26.8	8.2	8.2	27.0	27.0	69.8	69.8	4.8	4.8	9.6		6		89				<0.2		0.9	
						5.1	0.2	149	26.8		8.2		27.0		69.7		4.8		9.9		7		90				<0.2		1.0	
IM4	Cloudy	Moderate	13:02	7.3	Surface	1.0	1.1	208	28.1	28.1	8.2	8.2	22.2	22.2	93.2	93.2	6.4	6.4	8.7	12.7	8	8	86	89	819732	804614	<0.2	<0.2	0.8	0.8
						1.0	1.1	222	28.1		8.2		22.2		93.2		6.4		8.8		7		87				<0.2		0.7	
					Middle	3.7	0.9	204	28.1	28.1	8.2	8.2	22.2	22.2	92.7	92.7	6.4		13.7		8		88				<0.2		0.8	
						3.7	0.9	216	28.1		8.2		22.2		92.6		6.4		13.8		8		88				<0.2		0.8	
					Bottom	6.3	0.6	191	28.2	28.2	8.2	8.2	22.2	22.2	92.1	92.1	6.4	6.4	15.6		8		91				<0.2		0.7	
						6.3	0.7	197	28.2		8.2		22.2		92.1		6.4		15.6		8		91				<0.2		0.8	
IM5	Cloudy	Moderate	12:41	6.2	Surface	1.0	1.0	220	27.5	27.5	8.2	8.2	23.4	23.4	86.5	86.5	6.0	6.0	9.9	11.0	8	8	87	89	820729	804847	<0.2	<0.2	0.8	0.8
						1.0	1.1	222	27.5		8.2		23.4		86.5		6.0		9.8		7		88				<0.2		0.8	
					Middle	3.1	0.9	215	27.6	27.6	8.2	8.2	23.4	23.4	86.5	86.5	6.0		10.6		8		89				<0.2		0.8	
						3.1	1.0	221	27.6		8.2		23.4		86.4		6.0		10.7		9		87				<0.2		0.8	
					Bottom	5.2	0.7	206	27.6	27.6	8.2	8.2	23.4	23.4	86.5	86.5	6.0	6.0	12.6		9		92				<0.2		0.8	
						5.2	0.8	215	27.6		8.2		23.4		86.5		6.0		12.4		8		92				<0.2		0.9	
IM6	Cloudy	Moderate	12:23	6.0	Surface	1.0	1.2	245	27.9	27.9	8.2	8.2	22.0	22.0	88.7	88.7	6.2	6.2	8.6	11.4	6	6	89	90	821057	805818	<0.2	<0.2	0.8	0.8
						1.0	1.3	254	27.8		8.2		22.0		88.7		6.2		8.8		6		89				<0.2		0.9	
					Middle	3.0	1.0	246	27.8	27.8	8.2	8.2	22.2	22.2	88.6	88.6	6.2		13.1		5		90				<0.2		0.8	
						3.0	1.0	262	27.8		8.2		22.2		88.6		6.2		13.4		6		90				<0.2		0.8	
					Bottom	5.0	0.6	242	27.8	27.8	8.2	8.2	22.3	22.3	88.3	88.3	6.1	6.1	12.1		5		91				<0.2		0.8	
						5.0	0.6	258	27.8		8.2		22.3		88.3		6.1		12.2		6		91				<0.2		0.7	
IM7	Cloudy	Moderate	11:54	7.5	Surface	1.0	1.0	242	28.0	28.0	8.2	8.2	21.1	21.1	89.7	89.7	6.2	6.2	3.2	6.5	4	5	87	90	821348	806816	<0.2	<0.2	0.9	0.8
						1.0	1.1	244	28.0		8.2		21.1		89.7		6.2		3.2		5		87				<0.2		0.9	
					Middle	3.8	1.0	242	27.7	27.7	8.3	8.3	22.3	22.3	88.8	88.8	6.2		5.9		5		90				<0.2		0.6	
						3.8	1.0	245	27.7		8.3		22.3		88.8		6.2		5.9		4		90				<0.2		0.8	
					Bottom	6.5	0.7	248	27.8	27.8	8.3	8.3	22.6	22.6	88.9	88.9	6.2	6.2	10.6		6		92				<0.2		0.8	
						6.5	0.7	268	27.8		8.3		22.6		88.9		6.2		10.4		7		92				<0.2		0.8	
IM8	Fine	Calm	11:45	7.4	Surface	1.0	0.5	221	28.1	28.1	8.6	8.6	20.3	20.3	177.8	177.5	12.4	10.8	4.1	4.8	5	5	86	89	821809	808127	<0.2	<0.2	1.0	1.3
						1.0	0.5	222	28.1		8.6		20.3		177.1		12.4		4.1		5		86				<0.2		1.2	
					Middle	3.7	0.4	226	27.6	27.6	8.4	8.3	21.3	21.3	131.1	130.9	9.2		4.6		4		89				<0.2		1.4	
						3.7	0.5	237	27.6		8.3		21.4		130.6		9.1		4.6		5		89				<0.2		1.4	
					Bottom	6.4	0.3	249	27.3	27.3	8.3	8.3	22.4	22.4	115.5	115.6	8.1	8.1	5.7		5		93				<0.2		1.5	
						6.4	0.3	266	27.3		8.3		22.4		115.7		8.1		5.7		4		93				<0.2		1.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 June 21 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	Calm	11:51	6.8	Surface	1.0	0.4	185	28.3	28.3	8.4	8.4	19.5	19.4	148.3	148.1	10.4	10.0	3.2	3.9	3	4	87	90	822107	808795	<0.2	<0.2	1.1	1.1
						1.0	0.4	202	28.2		8.4		19.3		147.9		10.4		3.2		2		87				<0.2		1.1	
					Middle	3.4	0.3	197	27.7	27.7	8.4	8.4	21.1	21.2	136.8	136.8	9.6		3.7		4		91				<0.2		1.1	
						3.4	0.3	201	27.7		8.4		21.3		136.7		9.6		3.8		4		91				<0.2		1.1	
					Bottom	5.8	0.1	213	27.3	27.3	8.3	8.3	22.6	22.6	110.9	111.1	7.7	7.8	4.8		5		92				<0.2		1.0	
						5.8	0.1	223	27.3		8.3		22.6		111.3		7.8		4.9		4		92				<0.2		1.1	
IM10	Fine	Calm	11:57	6.0	Surface	1.0	0.6	130	27.5	27.5	8.4	8.4	20.9	20.9	125.8	125.2	8.9	8.2	4.7	5.3	4	4	86	90	822366	809817	<0.2	<0.2	1.1	1.0
						1.0	0.6	136	27.4		8.4		21.0		124.5		8.8		4.7		4		87				<0.2		1.0	
					Middle	3.0	0.6	118	27.3	27.3	8.2	8.2	23.0	23.0	108.0	107.9	7.5		5.0		4		91				<0.2		1.0	
						3.0	0.6	127	27.3		8.2		23.0		107.7		7.5		5.1		3		91				<0.2		1.1	
					Bottom	5.0	0.5	97	27.1	27.1	8.2	8.2	23.5	23.5	100.9	101.8	7.0	7.1	6.0		5		92				<0.2		1.0	
						5.0	0.6	105	27.1		8.2		23.5		102.6		7.2		6.0		4		93				<0.2		1.0	
IM11	Fine	Calm	12:06	6.0	Surface	1.0	0.8	123	28.5	28.5	8.5	8.5	18.7	18.7	155.1	154.9	10.9	9.8	4.2	5.6	5	4	86	89	822061	811474	<0.2	<0.2	1.0	1.0
						1.0	0.8	130	28.5		8.5		18.6		154.7		10.8		4.3		4		87				<0.2		1.0	
					Middle	3.0	0.7	124	27.4	27.4	8.4	8.4	22.2	22.3	126.1	124.5	8.8		5.7		5		90				<0.2		0.9	
						3.0	0.7	128	27.3		8.4		22.4		122.9		8.6		5.7		4		90				<0.2		1.0	
					Bottom	5.0	0.5	120	27.1	27.1	8.2	8.2	23.9	23.9	100.4	100.5	7.0	7.0	6.9		3		92				<0.2		0.9	
						5.0	0.6	120	27.1		8.2		23.9		100.6		7.0		7.0		4		91				<0.2		1.0	
IM12	Fine	Calm	12:11	8.0	Surface	1.0	0.6	115	27.9	28.0	8.5	8.6	20.6	20.5	154.4	154.9	10.8	9.2	4.2	5.3	7	6	86	87	821472	812043	<0.2	<0.2	1.1	1.1
						1.0	0.7	116	28.1		8.6		20.3		155.4		10.9		4.2		6		86				<0.2		1.0	
					Middle	4.0	0.7	121	27.2	27.2	8.2	8.2	23.7	23.7	108.1	108.1	7.5		5.7		7		87				<0.2		1.2	
						4.0	0.8	130	27.2		8.2		23.7		108.1		7.5		5.7		6		87				<0.2		1.1	
					Bottom	7.0	0.4	104	27.7	27.8	8.2	8.2	24.0	24.0	105.6	106.0	7.3	7.3	6.1		6		88				<0.2		1.0	
						7.0	0.4	109	27.8		8.2		23.9		106.3		7.3		6.2		6		88				<0.2		1.1	
SR1A	Fine	Calm	12:40	4.0	Surface	1.0	-	-	28.2	28.2	8.6	8.6	20.9	20.9	181.4	181.2	12.6	12.6	5.6	5.6	4	4	-	-	819978	812655	-	-	-	-
						1.0	-	-	28.2		8.6		21.0		181.0		12.6		5.6		4		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	28.2	28.2	8.5	8.5	22.1	22.0	159.1	159.0	11.0	11.0	5.7		5		-				-		-	
						3.0	-	-	28.2		8.5		22.0		158.8		11.0		5.7		4		-				-		-	
SR2	Fine	Calm	12:54	4.0	Surface	1.0	0.6	107	29.6	29.6	8.8	8.8	17.7	17.7	200.0	199.6	13.8	13.8	5.4	5.8	3	4	90	91	821472	814182	<0.2	<0.2	1.0	1.0
						1.0	0.6	112	29.6		8.8		17.7		199.2		13.8		5.3		4		90				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.4	110	27.9	27.9	8.5	8.5	21.4	21.4	163.8	161.1	11.4	11.2	6.1		4		92				<0.2		1.0	
						3.0	0.4	110	27.9		8.5		21.4		158.4		11.0		6.2		3		92				<0.2		1.0	
SR3	Fine	Moderate	11:41	8.2	Surface	1.0	0.8	214	27.5	27.5	8.4	8.4	21.1	21.1	134.2	134.5	9.4	8.1	4.0	5.3	5	5	-	-	822127	807574	-	-	-	-
						1.0	0.8	231	27.4		8.5		21.2		134.8		9.5		4.0		4		-				-		-	
					Middle	4.1	0.6	213	27.1	27.1	8.2	8.2	23.3	23.3	95.7	95.7	6.7		5.8		4		-				-		-	
						4.1	0.7	232	27.1		8.2		23.3		95.6		6.7		5.7		5		-				-		-	
					Bottom	7.2	0.5	238	27.0	27.0	8.2	8.2	23.7	23.7	91.2	90.8	6.4	6.4	6.1		5		-				-		-	
						7.2	0.5	249	27.0		8.2		23.7		90.3		6.3		6.0		5		-				-		-	
SR4A	Cloudy	Moderate	14:20	7.8	Surface	1.0	0.2	249	28.2	28.2	8.3	8.3	23.9	23.9	101.0	101.0	6.9	6.9	11.9	13.7	8	8	-	-	817171	807816	-	-	-	-
						1.0	0.2	270	28.2		8.3		23.9		100.9		6.9		11.9		7		-				-		-	
					Middle	3.9	0.2	243	28.2	28.2	8.3	8.3	23.9	23.9	100.5	100.5	6.9		13.4		9		-				-		-	
						3.9	0.2	264	28.2		8.3		23.9		100.5		6.9		13.4		8		-				-		-	
					Bottom	6.8	0.2	249	28.2	28.2	8.3	8.3	23.9	23.9	98.5	98.5	6.7	6.7	15.8		9		-				-		-	
						6.8	0.2	263	28.2		8.3		23.9		98.4		6.7		15.7		8		-				-		-	
SR5A	Cloudy	Moderate	14:25	3.3	Surface	1.0	0.1	9	28.5	28.5	8.2	8.2	23.7	23.7	106.6	106.6	7.3	7.3	10.1	11.0	8	7	-	-	816590	810711	-	-	-	-
						1.0	0.1	9	28.5		8.2		23.7		106.5		7.3		10.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.0	290	28.5	28.5	8.3	8.3	23.7	23.7	106.2	106.2	7.2	7.2	11.7		6		-				-		-	
						2.3	0.0	293	28.5		8.3		23.7		106.2		7.2		11.7		7		-				-		-	
SR6A	Cloudy	Calm	14:39	3.2	Surface	1.0	0.1	81	28.6	28.6	8.3	8.3	23.3	23.4	109.1	109.1	7.4	7.4	4.8	6.1	8	8	-	-	817939	814752	-	-	-	-
						1.0	0.1	87	28.5		8.3		23.4		109.0		7.4		4.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	114	27.9	27.9	8.3	8.3	23.9	23.9	98.2	98.2	6.7	6.7	7.3		9		-				-		-	
						2.2	0.1	118	27.9		8.3		23.9		98.2		6.7		7.3		9		-				-		-	
SR7	Fine	Calm	13:45	15.0	Surface	1.0	0.6	72	27.7	27.7	8.5	8.5	23.8	23.8	145.6	144.3	10.0	7.7	3.7	4.6	5	4	-	-	823622	823720	-	-	-	-
						1.0	0.6	74	27.7		8.5		23.8		142.9		9.8		3.8		4		-				-		-	
					Middle	7.5	0.1	52	26.0	26.0	8.1	8.1	28.7	28.7	80.3	80.1	5.5		4.4		4		-				-		-	
						7.5	0.1	55	26.0		8.1		28.8		79.9		5.5		4.4		3		-				-		-	
					Bottom	14.0	0.1	358	25.9	25.9	8.1	8.1	29.3	29.3	81.3	81.6	5.6	5.6	5.8		3		-				-		-	
						14.0	0.1	329	25.9		8.1		29.3		81.8		5.6		5.8		4		-				-		-	
SR8	Fine	Calm	12:18	3.6	Surface	1.0	-	-	29.1	29.1	8.7	8.7	19.0	19.0	208.7	207.9	14.4	14.4	6.8	7.0	5	4	-	-	820378	811618	-	-	-	-
						1.0	-	-	29.1		8.7		19.0		207.1		14.3		6.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	29.2	29.3	8.7	8.7	19.1	19.1	183.0	178.4	12.6	12.3	7.2		3		-				-		-	
						2.6	-	-	29.3		8.7		19.1		173.8		12.0		7.3		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 June 21 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	04:48	8.4	Surface	1.0	0.3	169	27.7	27.7	8.2	8.2	24.9	24.9	102.8	102.8	7.0	6.1	1.2	6.8	8	8	86	88	815639	804230	<0.2	<0.2	1.0	1.0
						1.0	0.3	184	27.7		8.2		24.9		102.7		7.0		1.2		9		86				<0.2		1.1	
					Middle	4.2	0.2	174	26.5	26.5	8.2	8.2	28.1	28.1	75.9	75.9	5.2		8.2		8		88				<0.2		0.9	
						4.2	0.2	183	26.5		8.2		28.2		75.8		5.2		8.3		7		88				<0.2		0.9	
					Bottom	7.4	0.2	330	26.6	26.6	8.3	8.3	28.3	28.3	77.5	77.7	5.3	5.3	10.8		8		90				<0.2		1.1	
						7.4	0.2	348	26.6		8.3		28.3		77.8		5.3		10.9		7		90				<0.2		1.1	
C2	Misty	Calm	07:15	10.6	Surface	1.0	1.1	182	28.4	28.4	8.5	8.5	19.1	18.9	142.3	139.4	10.0	7.6	3.4	4.6	4	4	85	89	825661	806930	<0.2	<0.2	1.0	1.1
						1.0	1.2	196	28.3		8.5		18.7		136.5		9.6		3.4		3		86				<0.2		1.0	
					Middle	5.3	1.1	181	26.2	26.2	8.1	8.1	27.6	27.7	76.4	76.4	5.3		4.9		4		89				<0.2		1.0	
						5.3	1.1	194	26.2		8.1		27.7		76.3		5.3		4.9		3		89				<0.2		1.2	
					Bottom	9.6	0.4	186	26.2	26.2	8.1	8.1	27.9	27.9	76.6	76.8	5.3	5.3	5.6		4		91				<0.2		1.0	
						9.6	0.5	198	26.2		8.1		27.9		76.9		5.3		5.6		3		91				<0.2		1.1	
C3	Misty	Calm	05:02	11.8	Surface	1.0	0.3	312	27.2	27.2	8.4	8.4	26.1	26.2	132.6	132.4	9.1	8.4	3.1	4.6	6	6	83	86	822107	817794	<0.2	<0.2	1.1	1.1
						1.0	0.3	313	27.1		8.4		26.3		132.2		9.1		3.1		5		83				<0.2		1.1	
					Middle	5.9	0.3	294	26.5	26.5	8.3	8.3	27.8	27.9	112.7	112.4	7.8		4.6		5		86				<0.2		1.0	
						5.9	0.3	320	26.4		8.3		28.0		112.1		7.7		4.5		6		86				<0.2		1.1	
					Bottom	10.8	0.3	263	25.8	25.9	8.1	8.1	29.6	29.4	82.9	83.2	5.7	5.8	6.1		7		88				<0.2		1.0	
						10.8	0.3	271	25.9		8.1		29.3		83.4		5.8		5.9		7		88				<0.2		1.1	
IM1	Fine	Moderate	04:58	4.5	Surface	1.0	0.0	142	26.8	26.8	8.3	8.3	26.9	26.8	76.7	76.9	5.3	5.3	7.2	8.9	11	11	85	87	817925	807129	<0.2	<0.2	1.0	1.1
						1.0	0.0	151	26.8		8.3		26.8		77.0		5.3		7.0		10		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	124	26.7	26.7	8.3	8.3	27.0	27.0	74.6	74.8	5.1	5.2	10.8		9		89				<0.2		1.1	
						3.5	0.1	129	26.7		8.3		27.0		74.9		5.2		10.5		15		89				<0.2		1.1	
IM2	Fine	Moderate	05:07	6.3	Surface	1.0	0.1	29	27.3	27.3	8.3	8.3	26.0	26.0	83.1	83.1	5.7	5.4	3.4	8.5	11	8	85	87	818186	806160	<0.2	<0.2	1.0	1.1
						1.0	0.1	29	27.3		8.3		26.0		83.0		5.7		3.4		10		85				<0.2		1.2	
					Middle	3.2	0.2	33	26.8	26.8	8.3	8.3	26.8	26.8	72.6	72.7	5.0		10.0		7		87				<0.2		1.0	
						3.2	0.2	33	26.8		8.3		26.8		72.7		5.0		10.5		8		87				<0.2		1.1	
					Bottom	5.3	0.1	56	26.7	26.7	8.3	8.3	27.2	27.2	72.2	72.3	5.0	5.0	11.9		7		89				<0.2		1.1	
						5.3	0.1	57	26.7		8.3		27.2		72.4		5.0		12.0		7		89				<0.2		1.1	
IM3	Fine	Moderate	05:15	6.4	Surface	1.0	0.1	343	27.9	27.9	8.3	8.3	23.1	23.1	93.4	93.5	6.5	6.3	5.6	7.4	9	8	85	88	818790	805612	<0.2	<0.2	0.8	1.0
						1.0	0.1	344	27.9		8.3		23.1		93.6		6.5		5.7		8		86				<0.2		0.9	
					Middle	3.2	0.1	312	27.5	27.5	8.3	8.3	24.1	24.1	86.7	86.7	6.0		7.7		8		87				<0.2		0.9	
						3.2	0.1	318	27.5		8.3		24.1		86.6		6.0		7.7		9		87				<0.2		0.9	
					Bottom	5.4	0.1	315	27.5	27.5	8.3	8.3	24.5	24.5	85.6	85.7	5.9	5.9	8.7		7		90				<0.2		1.1	
						5.4	0.1	326	27.5		8.3		24.5		85.7		5.9		8.9		8		90				<0.2		1.1	
IM4	Fine	Moderate	05:37	7.6	Surface	1.0	1.1	205	27.8	27.8	8.3	8.3	23.3	23.3	91.1	91.1	6.3	6.2	5.6	8.6	7	10	87	91	819736	804590	<0.2	<0.2	1.1	1.1
						1.0	1.1	208	27.8		8.3		23.3		91.1		6.3		5.4		8		99				<0.2		1.1	
					Middle	3.8	1.0	207	27.6	27.6	8.3	8.3	24.0	24.0	88.2	88.2	6.1		9.9		9		88				<0.2		1.1	
						3.8	1.1	207	27.6		8.3		24.0		88.2		6.1		9.9		8		88				<0.2		1.1	
					Bottom	6.6	0.8	208	27.7	27.7	8.3	8.3	24.1	24.1	88.5	88.6	6.1	6.1	10.3		10		90				<0.2		1.1	
						6.6	0.8	212	27.7		8.3		24.1		88.6		6.1		10.2		20		91				<0.2		1.0	
IM5	Fine	Moderate	06:02	7.2	Surface	1.0	0.9	228	28.5	28.5	8.2	8.2	21.6	21.6	97.9	97.9	6.7	6.2	6.4	10.6	15	15	87	90	820736	804871	<0.2	<0.2	1.0	1.0
						1.0	0.9	234	28.5		8.2		21.6		97.8		6.7		6.4		16		88				<0.2		1.0	
					Middle	3.6	0.8	229	27.2	27.2	8.2	8.2	24.5	24.5	82.1	82.1	5.7		11.5		12		89				<0.2		1.0	
						3.6	0.9	248	27.2		8.2		24.5		82.1		5.7		11.5		16		90				<0.2		0.9	
					Bottom	6.2	0.6	230	27.1	27.1	8.3	8.3	25.1	25.1	79.0	79.1	5.5	5.5	13.9		14		92				<0.2		1.0	
						6.2	0.6	239	27.1		8.3		25.1		79.2		5.5		14.0		19		92				<0.2		1.0	
IM6	Fine	Moderate	06:26	6.6	Surface	1.0	1.1	249	28.4	28.4	8.2	8.2	21.9	21.9	97.6	97.6	6.7	6.3	1.4	6.2	7	7	85	88	821059	805837	<0.2	<0.2	1.0	0.8
						1.0	1.2	259	28.4		8.2		21.9		97.5		6.7		1.4		8		86				<0.2		1.0	
					Middle	3.3	1.1	251	27.4	27.4	8.2	8.2	24.1	24.1	84.6	84.8	5.9		7.7		7		88				<0.2		0.9	
						3.3	1.1	256	27.4		8.2		24.1		84.9		5.9		7.9		7		89				<0.2		0.9	
					Bottom	5.6	0.9	249	27.2	27.3	8.2	8.2	24.6	24.6	81.8	81.8	5.7	5.7	9.3		5		90				<0.2		0.6	
						5.6	0.9	258	27.3		8.2		24.6		81.8		5.7		9.4		5		90				<0.2		0.6	
IM7	Fine	Moderate	07:01	7.7	Surface	1.0	1.0	239	28.5	28.5	8.2	8.2	21.6	21.7	102.7	102.7	7.1	6.8	4.7	7.1	6	5	85	87	821328	806818	<0.2	<0.2	0.7	0.7
						1.0	1.0	253	28.4		8.2		21.7		102.7		7.1		4.7		6		85				<0.2		0.6	
					Middle	3.9	0.9	247	27.8	27.8	8.3	8.3	22.9	22.9	94.1	94.2	6.5		6.1		4		87				<0.2		0.7	
						3.9	0.9	265	27.7		8.3		22.9		94.3		6.5		6.2		5		87				<0.2		0.6	
					Bottom	6.7	0.7	257	27.4	27.4	8.3	8.3	23.7	23.7	88.1	88.1	6.1	6.1	10.5		5		89				<0.2		0.7	
						6.7	0.7	269	27.4		8.3		23.7		88.1		6.1		10.3		4		89				<0.2		0.7	
IM8	Misty	Calm	06:45	7.4	Surface	1.0	0.5	191	28.5	28.5	8.6	8.6	20.3	20.3	165.2	163.9	11.5	9.4	4.6	5.6	5	6	86	89	821816	808148	<0.2	<0.2	1.0	1.1
						1.0	0.5	209	28.5		8.6		20.3		162.6		11.3		4.7		6		86				<0.2		1.0	
					Middle	3.7	0.4	216	27.0	27.0	8.3	8.3	23.8	23.8	106.3	106.3	7.4		5.2		6		91				<0.2		1.2	
						3.7	0.4	232	27.0		8.3		23.8		106.3		7.4		5.3		5		91				<0.2		1.1	
					Bottom	6.4	0.3	257	26.7	26.7	8.2	8.2	25.5	25.5	94.3	92.5	6.5	6.4	7.0		6		88				<0.2		1.0	
						6.4	0.3	281	26.7		8.2		25.6		90.7		6.3		7.0		7		92				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 June 21 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	Misty	Calm	06:39	6.8	Surface	1.0	0.3	185	28.6	28.7	8.6	8.6	20.2	20.2	174.5	174.5	12.1	9.9	5.5	6.2	6	5	86	89	822095	808816	<0.2	<0.2	1.0	1.2
						1.0	0.3	193	28.7		8.6		20.1		174.4		12.1		5.5		5		86				<0.2		1.0	
					Middle	3.4	0.3	187	27.0	27.0	8.3	8.3	24.0	24.1	109.6	109.6	7.6		6.5		4		89				<0.2		1.1	
						3.4	0.3	190	27.0		8.3		24.2		109.5		7.6		6.5		5		90				<0.2		1.0	
					Bottom	5.8	0.0	117	26.8	26.8	8.2	8.2	25.2	25.2	97.5	98.1	6.8	6.9	6.6		5		91				<0.2		1.5	
						5.8	0.0	125	26.8		8.2		25.2		98.7		6.9		6.6		4		91				<0.2		1.4	
IM10	Misty	Calm	06:32	6.6	Surface	1.0	0.6	133	27.9	27.9	8.5	8.5	21.3	21.3	155.5	155.3	10.8	10.0	4.6	5.4	6	6	83	87	822370	809810	<0.2	<0.2	1.4	1.2
						1.0	0.6	140	27.9		8.5		21.3		155.1		10.8		4.6		5		84				<0.2		1.4	
					Middle	3.3	0.5	132	27.3	27.3	8.4	8.4	22.6	22.6	130.9	130.3	9.2		5.5		5		87				<0.2		1.0	
						3.3	0.6	141	27.2		8.4		22.7		129.7		9.1		5.5		6		88				<0.2		1.0	
					Bottom	5.6	0.4	112	26.8	26.8	8.2	8.2	24.8	24.8	98.9	99.4	6.9	6.9	6.1		7		90				<0.2		1.2	
						5.6	0.5	115	26.8		8.2		24.8		99.8		6.9		6.1		6		90				<0.2		1.1	
IM11	Misty	Calm	06:19	7.0	Surface	1.0	0.4	102	28.0	28.0	8.5	8.5	21.5	21.4	154.9	155.2	10.8	8.8	5.4	6.4	6	5	84	85	822060	811472	<0.2	<0.2	1.6	1.4
						1.0	0.5	109	28.0		8.5		21.4		155.4		10.8		5.4		5		84				<0.2		1.6	
					Middle	3.5	0.4	96	26.8	26.8	8.2	8.2	24.7	24.7	96.0	96.0	6.7		6.5		5		86				<0.2		1.4	
						3.5	0.4	101	26.8		8.2		24.7		96.0		6.7		6.5		6		85				<0.2		1.5	
					Bottom	6.0	0.3	79	26.7	26.7	8.2	8.2	25.4	25.4	90.4	90.6	6.3	6.3	7.3		5		86				<0.2		1.0	
						6.0	0.3	86	26.7		8.2		25.4		90.7		6.3		7.2		5		86				<0.2		1.0	
IM12	Misty	Calm	06:11	8.8	Surface	1.0	0.3	93	27.1	27.1	8.4	8.4	23.2	23.2	124.8	123.8	8.7	7.4	4.4	5.6	6	7	84	86	821479	812033	<0.2	<0.2	1.2	1.2
						1.0	0.3	101	27.0		8.4		23.1		122.7		8.6		4.4		7		84				<0.2		1.4	
					Middle	4.4	0.4	93	26.7	26.7	8.1	8.1	25.6	25.7	88.6	88.3	6.2		6.0		7		85				<0.2		1.1	
						4.4	0.4	100	26.6		8.1		25.8		88.0		6.1		6.0		6		85				<0.2		1.0	
					Bottom	7.8	0.3	95	26.5	26.5	8.1	8.1	26.2	26.2	79.7	79.8	5.5	5.5	6.5		8		88				<0.2		1.1	
						7.8	0.3	98	26.5		8.1		26.2		79.9		5.5		6.6		7		88				<0.2		1.1	
SR1A	Misty	Calm	05:43	4.0	Surface	1.0	-	-	27.5	27.5	8.4	8.4	22.6	22.6	131.7	131.5	9.2	9.2	5.2	5.9	5	6	-	-	819977	812656	-	-	-	-
						1.0	-	-	27.5		8.4		22.6		131.3		9.1		5.2		6		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	27.4	27.4	8.4	8.4	22.8	22.8	123.1	123.1	8.6	8.6	6.6		6		-				-		-	
						3.0	-	-	27.4		8.4		22.8		123.1		8.6		6.6		7		-				-		-	
SR2	Misty	Calm	05:27	4.6	Surface	1.0	0.1	23	27.1	27.1	8.4	8.4	23.4	23.6	124.4	122.9	8.7	8.6	5.4	5.8	7	6	85	86	821464	814157	<0.2	<0.2	1.1	1.1
						1.0	0.1	24	27.1		8.4		23.7		121.4		8.5		5.4		6		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	60	26.9	26.9	8.2	8.2	24.6	24.6	102.4	103.0	7.1	7.2	6.2		5		87				<0.2		1.1	
						3.6	0.0	62	26.9		8.3		24.6		103.5		7.2		6.2		6		87				<0.2		1.2	
SR3	Misty	Calm	06:50	8.2	Surface	1.0	0.7	184	27.4	27.4	8.5	8.5	21.8	21.9	146.1	144.8	10.2	8.3	5.0	5.5	6	5	-	-	822141	807582	-	-	-	-
						1.0	0.8	195	27.3		8.5		21.9		143.4		10.1		5.0		5		-				-		-	
					Middle	4.1	0.6	188	26.8	26.8	8.2	8.2	25.0	25.1	93.8	93.7	6.5		5.3		4		-				-		-	
						4.1	0.6	188	26.8		8.2		25.1		93.6		6.5		5.4		5		-				-		-	
					Bottom	7.2	0.3	214	26.8	26.8	8.1	8.1	25.3	25.3	88.1	88.7	6.1	6.2	6.3		4		-				-		-	
						7.2	0.3	219	26.8		8.1		25.3		89.2		6.2		6.2		5		-				-		-	
SR4A	Fine	Moderate	04:42	9.1	Surface	1.0	0.8	249	27.7	27.7	8.1	8.1	24.4	24.4	96.7	96.7	6.6	6.1	3.2	5.1	17	16	-	-	817199	807809	-	-	-	-
						1.0	0.9	266	27.7		8.1		24.4		96.6		6.6		3.2		17		-				-		-	
					Middle	4.6	0.8	251	26.8	26.9	8.2	8.2	26.4	26.3	79.1	79.2	5.5		5.0		16		-				-		-	
						4.6	0.8	266	26.9		8.2		26.3		79.2		5.5		5.0		15		-				-		-	
					Bottom	8.1	0.6	249	26.8	26.8	8.3	8.3	26.7	26.7	77.0	77.1	5.3	5.3	7.2		15		-				-		-	
						8.1	0.6	250	26.8		8.3		26.7		77.2		5.3		7.2		15		-				-		-	
SR5A	Fine	Calm	04:35	4.6	Surface	1.0	0.1	294	27.7	27.7	8.3	8.3	24.0	24.0	94.1	93.9	6.5	6.5	5.4	7.3	11	12	-	-	816606	810679	-	-	-	-
						1.0	0.2	303	27.6		8.3		24.0		93.7		6.5		5.9		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	285	27.3	27.3	8.4	8.4	24.6	24.7	85.2	85.1	5.9	5.9	9.0		13		-				-		-	
						3.6	0.1	296	27.3		8.4		24.7		85.0		5.9		8.9		14		-				-		-	
SR6A	Fine	Calm	04:28	4.5	Surface	1.0	0.1	356	28.0	28.0	8.2	8.2	22.9	22.9	105.3	105.2	7.3	7.3	5.2	8.3	11	14	-	-	817947	814715	-	-	-	-
						1.0	0.1	328	28.0		8.2		22.9		105.1		7.2		5.2		19		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	266	27.1	27.2	8.2	8.2	25.1	25.1	81.7	81.7	5.6	5.6	11.5		13		-				-		-	
						3.5	0.0	278	27.2		8.2		25.0		81.7		5.6		11.4		14		-				-		-	
SR7	Misty	Calm	04:24	15.0	Surface	1.0	0.6	53	26.5	26.5	8.3	8.3	27.8	27.8	118.2	118.2	8.1	7.1	1.2	2.5	8	7	-	-	823618	823723	-	-	-	-
						1.0	0.6	53	26.5		8.3		27.9		118.2		8.1		1.2		7		-				-		-	
					Middle	7.5	0.1	44	25.7	25.7	8.2	8.2	29.9	30.0	87.0	87.0	6.0		2.7		6		-				-		-	
						7.5	0.1	46	25.7		8.2		30.0		86.9		6.0		2.7		7		-				-		-	
					Bottom	14.0	0.1	61	25.5	25.5	8.2	8.2	30.6	30.6	78.9	79.0	5.4	5.4	3.5		7		-				-		-	
						14.0	0.1	61	25.5		8.2		30.6		79.0		5.4		3.6		6		-				-		-	
SR8	Misty	Calm	06:04	3.6	Surface	1.0	-	-	27.7	27.7	8.4	8.4	23.0	23.1	132.3	131.6	9.2	9.2	4.6	5.3	5	9	-	-	820385	811620	-	-	-	-
						1.0	-	-	27.7		8.4		23.2		130.9		9.1		4.6		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	27.5	27.5	8.3	8.3	23.6	23.6	114.2	114.2	7.9	7.9	5.9		9		-				-		-	
						2.6	-	-	27.5		8.3		23.5		114.2		7.9		5.9		10		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 June 21 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	13:32	8.0	Surface	1.0	0.5	222	27.5	27.5	8.2	8.2	27.5	27.5	80.2	80.3	5.4	5.5	4.4	6.6	9	10	87	89	815600	804237	<0.2	<0.2	1.0	1.0
						1.0	0.5	238	27.5		8.2		27.5		80.3		5.4		4.4		10		86				<0.2		1.0	
					Middle	4.0	0.5	202	27.2	27.2	8.2	8.2	29.4	29.4	83.2	82.8	5.6		4.9		9		88				<0.2		0.9	
						4.0	0.5	209	27.2		8.2		29.5		82.4		5.6		5.0		10		90				<0.2		0.9	
					Bottom	7.0	0.3	204	27.2	27.2	8.2	8.2	29.6	29.6	78.5	78.5	5.3	5.3	10.8		10		91				<0.2		1.0	
						7.0	0.3	215	27.2		8.2		29.6		78.5		5.3		10.4		9		91				<0.2		1.0	
C2	Rainy	Calm	12:36	12.0	Surface	1.0	0.5	188	27.5	27.5	8.0	8.0	25.5	25.5	84.4	84.4	5.8	5.5	6.8	7.5	7	6	88	91	825667	806952	<0.2	<0.2	1.1	1.0
						1.0	0.6	190	27.4		8.0		25.5		84.3		5.8		6.7		7		88				<0.2		1.0	
					Middle	6.0	0.5	172	27.2	27.2	8.0	8.0	27.9	27.8	75.8	75.7	5.2		7.5		6		91				<0.2		1.0	
						6.0	0.5	177	27.2		8.0		27.8		75.5		5.1		7.6		5		91				<0.2		1.0	
					Bottom	11.0	0.4	187	27.2	27.2	8.0	8.0	27.5	27.4	74.4	76.4	5.1	5.2	8.3		4		94				<0.2		1.0	
						11.0	0.4	204	27.2		8.0		27.4		78.3		5.3		8.4		5		94				<0.2		1.1	
C3	Rainy	Calm	14:42	11.2	Surface	1.0	0.2	77	27.4	27.4	8.1	8.1	27.0	27.0	83.7	83.7	5.7	5.6	6.1	6.9	5	5	87	90	822100	817788	<0.2	<0.2	1.0	0.9
						1.0	0.2	84	27.4		8.1		27.0		83.6		5.7		6.2		6		88				<0.2		0.9	
					Middle	5.6	0.2	113	27.2	27.2	8.1	8.1	27.4	27.4	81.1	80.9	5.5		7.1		5		88				<0.2		0.9	
						5.6	0.2	116	27.1		8.1		27.5		80.6		5.5		7.1		5		88				<0.2		0.9	
					Bottom	10.2	0.1	104	27.3	27.3	8.1	8.1	27.6	27.5	78.8	79.0	5.4	5.4	7.4		5		93				<0.2		1.0	
						10.2	0.1	104	27.3		8.1		27.4		79.1		5.4		7.4		4		93				<0.2		0.9	
IM1	Cloudy	Moderate	13:13	5.5	Surface	1.0	0.1	143	27.3	27.3	8.2	8.2	28.1	28.1	75.9	76.0	5.1	5.1	6.8	8.9	10	8	88	89	817929	807148	<0.2	<0.2	0.9	1.0
						1.0	0.2	150	27.3		8.2		28.2		76.0		5.1		7.1		7		88				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	126	27.4	27.4	8.2	8.2	29.1	29.0	78.1	78.2	5.3	5.3	10.7		7		91				<0.2		1.0	
						4.5	0.1	126	27.4		8.2		29.0		78.3		5.3		10.8		8		90				<0.2		1.0	
IM2	Cloudy	Moderate	13:06	7.2	Surface	1.0	0.3	151	27.3	27.3	8.2	8.2	28.5	28.5	80.1	80.0	5.4	5.4	6.6	8.1	10	9	88	89	818164	806153	<0.2	<0.2	1.0	1.0
						1.0	0.3	152	27.3		8.2		28.6		79.9		5.4		6.8		9		88				<0.2		1.0	
					Middle	3.6	0.3	137	27.2	27.2	8.2	8.2	29.0	29.0	78.9	78.8	5.3		8.2		9		90				<0.2		1.0	
						3.6	0.3	150	27.2		8.2		29.1		78.7		5.3		8.5		8		90				<0.2		1.0	
					Bottom	6.2	0.1	136	27.2	27.2	8.2	8.2	29.1	29.1	78.2	78.2	5.3	5.3	9.2		8		90				<0.2		1.0	
						6.2	0.1	143	27.2		8.2		29.1		78.2		5.3		9.1		9		90				<0.2		1.0	
IM3	Cloudy	Moderate	13:00	7.4	Surface	1.0	0.4	169	27.2	27.2	8.2	8.2	28.2	28.2	74.5	74.5	5.1	5.2	6.2	7.6	8	8	89	90	818765	805593	<0.2	<0.2	1.1	1.0
						1.0	0.5	184	27.2		8.2		28.2		74.5		5.1		6.3		8		89				<0.2		1.0	
					Middle	3.7	0.4	149	27.2	27.2	8.2	8.2	28.9	28.9	76.2	76.3	5.2		8.1		8		89				<0.2		1.1	
						3.7	0.4	160	27.2		8.2		28.9		76.3		5.2		8.1		8		89				<0.2		1.1	
					Bottom	6.4	0.3	134	27.2	27.2	8.2	8.2	28.9	28.9	76.8	76.8	5.2	5.2	8.1		9		91				<0.2		1.0	
						6.4	0.3	141	27.2		8.2		28.9		76.8		5.2		8.5		9		91				<0.2		0.9	
IM4	Cloudy	Moderate	12:51	8.5	Surface	1.0	0.8	194	27.4	27.4	8.2	8.2	27.2	27.2	77.0	77.0	5.2	5.2	5.0	8.2	7	8	87	89	819739	804613	<0.2	<0.2	0.9	1.0
						1.0	0.9	204	27.4		8.2		27.2		77.0		5.2		5.0		7		87				<0.2		1.0	
					Middle	4.3	0.6	179	27.3	27.3	8.2	8.2	27.6	27.6	76.5	76.5	5.2		6.6		9		88				<0.2		0.9	
						4.3	0.6	179	27.3		8.2		27.7		76.4		5.2		7.1		9		88				<0.2		1.0	
					Bottom	7.5	0.3	161	27.2	27.3	8.2	8.2	28.6	28.6	75.9	76.0	5.1	5.1	12.4		9		90				<0.2		1.0	
						7.5	0.4	168	27.3		8.2		28.6		76.0		5.1		12.9		9		91				<0.2		0.9	
IM5	Cloudy	Moderate	12:44	8.3	Surface	1.0	0.6	207	27.5	27.5	8.2	8.2	26.4	26.4	79.9	79.9	5.4	5.3	4.2	7.2	5	6	87	89	820749	804870	<0.2	<0.2	1.0	1.0
						1.0	0.6	209	27.5		8.2		26.4		79.9		5.4		4.2		5		87				<0.2		1.0	
					Middle	4.2	0.6	187	27.3	27.3	8.2	8.2	27.8	27.9	77.1	77.0	5.2		6.8		6		88				<0.2		0.9	
						4.2	0.6	187	27.3		8.2		27.9		76.9		5.2		7.1		6		88				<0.2		1.0	
					Bottom	7.3	0.4	189	27.2	27.3	8.2	8.2	28.5	28.5	76.8	76.9	5.2	5.2	10.5		6		90				<0.2		0.9	
						7.3	0.4	205	27.3		8.2		28.5		77.0		5.2		10.4		7		91				<0.2		0.9	
IM6	Cloudy	Moderate	12:38	8.0	Surface	1.0	0.4	229	27.5	27.5	8.2	8.2	26.3	26.3	77.9	78.0	5.3	5.2	5.7	9.3	7	7	86	88	821055	805822	<0.2	<0.2	1.0	1.0
						1.0	0.4	235	27.5		8.2		26.3		78.0		5.3		5.9		6		86				<0.2		1.0	
					Middle	4.0	0.4	211	27.2	27.2	8.2	8.2	28.0	28.0	74.0	74.0	5.0		6.8		6		88				<0.2		0.9	
						4.0	0.4	211	27.2		8.2		28.0		73.9		5.0		6.7		7		88				<0.2		0.9	
					Bottom	7.0	0.2	202	27.2	27.2	8.2	8.2	28.1	28.1	74.4	74.5	5.1	5.1	15.1		9		90				<0.2		1.0	
						7.0	0.2	205	27.2		8.2		28.1		74.5		5.1		15.8		8		90				<0.2		0.9	
IM7	Cloudy	Moderate	12:31	8.0	Surface	1.0	0.2	228	27.6	27.6	8.2	8.2	24.8	24.8	77.3	77.2	5.3	5.2	5.1	8.0	9	8	86	88	821349	806857	<0.2	<0.2	1.0	1.0
						1.0	0.2	233	27.5		8.2		24.8		77.1		5.3		5.3		8		86				<0.2		1.0	
					Middle	4.0	0.2	191	27.3	27.3	8.2	8.2	27.4	27.5	75.8	75.8	5.2		9.0		7		86				<0.2		1.0	
						4.0	0.2	200	27.3		8.2		27.5		75.7		5.1		9.3		8		87				<0.2		0.9	
					Bottom	7.0	0.1	347	27.3	27.3	8.2	8.2	27.9	27.9	73.2	73.4	5.0	5.0	9.9		7		91				<0.2		0.9	
						7.0	0.1	319	27.3		8.2		27.8		73.6		5.0		9.7		8		91				<0.2		1.0	
IM8	Rainy	Calm	13:08	8.2	Surface	1.0	0.1	203	27.5	27.5	8.1	8.1	26.0	26.1	85.1	85.0	5.8	5.6	4.9	5.6	9	9	86	89	821819	808153	<0.2	<0.2	1.0	1.0
						1.0	0.1	213	27.5		8.1		26.1		84.9		5.8		4.9		10		86				<0.2		1.1	
					Middle	4.1	0.2	185	27.2	27.2	8.1	8.1	27.4	27.4	78.0	77.9	5.3		5.3		8		89				<0.2		1.1	
						4.1	0.2	187	27.2		8.1		27.5		77.7		5.3		5.4		8		89				<0.2		1.0	
					Bottom	7.2	0.1	41	27.3	27.4	8.1	8.1	27.6	27.6	78.2	78.3	5.3	5.3	6.7		8		93				<0.2		1.0	
						7.2	0.1	43	27.4		8.1		27.5		78.4		5.3		6.6		9		93				<0.2		1.0	

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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 12 June 21 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	Calm	13:15	7.6	Surface	1.0	0.4	120	27.7	27.7	8.1	8.1	25.6	25.6	87.0	87.0	5.9	5.7	5.0	6.3	8	9	87	90	822107	808791	<0.2	<0.2	1.0	1.0
						1.0	0.4	131	27.7		8.1		25.6		87.0		5.9		5.0		9		87				<0.2		1.0	
					Middle	3.8	0.2	109	27.4	27.4	8.1	8.1	26.5	26.5	80.9	80.7	5.5		6.1		8		91				<0.2		1.0	
						3.8	0.2	114	27.4		8.1		26.5		80.5		5.5		6.1		9		91				<0.2		1.1	
					Bottom	6.6	0.3	97	27.3	27.4	8.1	8.1	27.5	27.4	77.8	77.9	5.3	5.3	7.9		10		92				<0.2		1.0	
						6.6	0.3	105	27.4		8.1		27.4		77.9		5.3		7.8		10		92				<0.2		1.0	
IM10	Rainy	Calm	13:22	7.6	Surface	1.0	0.6	117	27.6	27.6	8.1	8.1	25.8	25.8	87.4	87.4	6.0	5.8	5.0	6.1	9	11	86	90	822368	809806	<0.2	<0.2	1.0	1.1
						1.0	0.7	124	27.5		8.1		25.9		87.3		6.0		5.0		10		87				<0.2		1.1	
					Middle	3.8	0.6	109	27.3	27.3	8.1	8.1	27.1	27.1	82.6	80.7	5.6		6.2		11		91				<0.2		1.0	
						3.8	0.6	113	27.3		8.1		27.2		78.8		5.4		6.2		11		91				<0.2		1.1	
					Bottom	6.6	0.5	84	27.8	27.8	8.1	8.1	27.1	27.1	80.6	81.1	5.4	5.5	7.2		12		93				<0.2		1.0	
						6.6	0.5	87	27.8		8.1		27.1		81.5		5.5		7.1		11		93				<0.2		1.1	
IM11	Rainy	Calm	13:32	7.4	Surface	1.0	0.5	113	27.5	27.5	8.1	8.1	26.0	26.0	84.4	84.3	5.8	5.7	4.5	5.5	9	10	87	90	822076	811452	<0.2	<0.2	1.0	1.0
						1.0	0.6	123	27.5		8.1		26.0		84.2		5.8		4.4		9		87				<0.2		1.0	
					Middle	3.7	0.6	111	27.4	27.4	8.1	8.1	26.4	26.4	82.0	82.1	5.6		5.3		10		90				<0.2		1.0	
						3.7	0.6	111	27.4		8.1		26.4		82.1		5.6		5.3		11		90				<0.2		1.0	
					Bottom	6.4	0.5	101	27.6	27.6	8.1	8.1	26.4	26.4	82.7	82.9	5.6	5.7	6.8		10		92				<0.2		1.0	
						6.4	0.5	105	27.6		8.1		26.3		83.1		5.7		6.8		11		92				<0.2		1.1	
IM12	Rainy	Calm	13:39	9.4	Surface	1.0	0.5	103	27.4	27.4	8.1	8.1	26.3	26.4	85.3	85.0	5.8	5.6	5.9	6.7	8	7	86	87	821448	812038	<0.2	<0.2	1.0	1.0
						1.0	0.5	108	27.4		8.1		26.4		84.7		5.8		5.9		9		86				<0.2		1.0	
					Middle	4.7	0.6	109	27.3	27.3	8.1	8.1	26.6	26.6	78.1	78.1	5.3		6.7		9		87				<0.2		1.0	
						4.7	0.6	118	27.3		8.1		26.7		78.0		5.3		6.7		8		87				<0.2		1.1	
					Bottom	8.4	0.5	98	27.3	27.3	8.1	8.1	26.8	26.8	78.9	79.0	5.4	5.4	7.6		5		88				<0.2		1.0	
						8.4	0.5	106	27.3		8.1		26.8		79.1		5.4		7.5		4		88				<0.2		1.0	
SR1A	Rainy	Calm	13:55	4.0	Surface	1.0	-	-	27.7	27.7	8.1	8.1	25.6	25.6	86.1	86.2	5.9	5.9	4.4	4.9	6	8	-	-	819974	812663	-	-	-	-
						1.0	-	-	27.7		8.1		25.6		86.2		5.9		4.4		7		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	27.7	27.7	8.1	8.1	25.5	25.5	86.6	86.7	5.9	5.9	5.3		9		-				-		-	
						3.0	-	-	27.7		8.1		25.5		86.7		5.9		5.3		10		-				-		-	
SR2	Rainy	Calm	14:23	4.0	Surface	1.0	0.5	102	27.4	27.4	8.1	8.1	26.6	26.6	81.1	81.0	5.5	5.5	6.8	7.4	6	7	90	91	821458	814159	<0.2	<0.2	1.1	1.1
						1.0	0.5	111	27.4		8.1		26.7		80.8		5.5		6.8		5		90				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.4	101	27.7	27.8	8.1	8.1	26.6	26.6	82.1	82.5	5.6	5.6	7.9		8		92				<0.2		1.0	
						3.0	0.4	106	27.8		8.1		26.5		82.9		5.6		8.0		8		92				<0.2		1.1	
SR3	Rainy	Calm	12:59	9.4	Surface	1.0	0.3	202	27.5	27.5	8.1	8.1	25.8	25.8	84.7	84.7	5.8	5.6	5.1	6.3	12	10	-	-	822155	807588	-	-	-	-
						1.0	0.3	210	27.5		8.1		25.9		84.6		5.8		5.0		13		-				-		-	
					Middle	4.7	0.2	191	27.3	27.3	8.1	8.1	26.8	26.7	78.7	78.7	5.4		6.4		9		-				-		-	
						4.7	0.2	207	27.3		8.1		26.6		78.7		5.4		6.5		9		-				-		-	
					Bottom	8.4	0.0	94	27.3	27.4	8.1	8.1	27.9	27.8	78.5	78.6	5.3	5.3	7.7		8		-				-		-	
						8.4	0.0	97	27.4		8.1		27.8		78.7		5.3		7.2		8		-				-		-	
SR4A	Cloudy	Moderate	13:58	8.0	Surface	1.0	0.3	245	27.3	27.3	8.2	8.2	28.2	28.3	73.1	73.0	5.0	4.9	6.7	7.6	8	10	-	-	817168	807799	-	-	-	-
						1.0	0.3	248	27.3		8.2		28.3		72.9		4.9		6.8		7		-				-		-	
					Middle	4.0	0.2	271	27.1	27.1	8.2	8.2	28.9	28.9	71.3	71.3	4.8		7.8		10		-				-		-	
						4.0	0.2	290	27.1		8.2		28.9		71.3		4.8		8.0		11		-				-		-	
					Bottom	7.0	0.1	241	27.1	27.1	8.2	8.2	29.1	29.0	72.3	72.5	4.9	4.9	8.3		12		-				-		-	
						7.0	0.1	250	27.1		8.2		29.0		72.7		4.9		8.2		11		-				-		-	
SR5A	Cloudy	Moderate	14:19	3.7	Surface	1.0	0.1	312	27.8	27.8	8.1	8.1	26.1	26.2	84.3	84.2	5.7	5.7	11.5	13.4	8	10	-	-	816601	810703	-	-	-	-
						1.0	0.1	320	27.8		8.1		26.2		84.0		5.7		12.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	1	27.6	27.6	8.1	8.1	26.7	26.7	74.4	74.5	5.1	5.1	14.9		11		-				-		-	
						2.7	0.1	1	27.6		8.1		26.7		74.5		5.1		15.0		10		-				-		-	
SR6A	Rainy	Moderate	15:07	4.5	Surface	1.0	0.1	353	28.3	28.3	8.2	8.2	24.5	24.5	89.0	89.1	6.1	6.1	9.4	9.9	9	9	-	-	817939	814752	-	-	-	-
						1.0	0.1	325	28.3		8.2		24.5		89.1		6.1		9.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	175	28.3	28.4	8.2	8.2	24.6	24.6	86.2	86.5	5.9	5.9	10.4		9		-				-		-	
						3.5	0.0	184	28.4		8.2		24.6		86.7		5.9		10.3		9		-				-		-	
SR7	Rainy	Calm	15:11	15.2	Surface	1.0	0.5	75	27.2	27.2	8.1	8.1	27.2	27.2	87.7	87.5	6.0	5.8	3.1	3.8	5	5	-	-	823618	823723	-	-	-	-
						1.0	0.6	75	27.2		8.1		27.2		87.2		6.0		3.0		6		-				-		-	
					Middle	7.6	0.4	63	26.9	26.9	8.1	8.1	27.8	27.8	81.0	81.1	5.5		3.8		5		-				-		-	
						7.6	0.4	67	26.9		8.1		27.8		81.1		5.5		3.8		6		-				-		-	
					Bottom	14.2	0.2	43	27.0	27.0	8.1	8.1	27.8	27.8	82.3	82.4	5.6	5.6	4.7		4		-				-		-	
						14.2	0.2	45	27.0		8.1		27.8		82.5		5.6		4.7		4		-				-		-	
SR8	Rainy	Calm	13:46	3.6	Surface	1.0	-	-	27.7	27.8	8.1	8.1	25.6	25.6	86.1	86.1	5.9	5.9	5.3	5.8	11	7	-	-	820410	811623	-	-	-	-
						1.0	-	-	27.8		8.1		25.6		86.1		5.9		5.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	28.0	28.0	8.1	8.1	25.5	25.5	87.1	87.3	5.9	5.9	6.4		6		-				-		-	
						2.6	-	-	28.0		8.1		25.5		87.4		5.9		6.3		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 June 21 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	07:40	8.7	Surface	1.0	0.7	44	27.2	27.2	8.2	8.2	28.8	28.9	82.5	82.5	5.6	5.5	4.8	8.5	6	7	86	87	815604	804243	<0.2	<0.2	0.7	0.7
						1.0	0.8	46	27.2		8.2		28.9		82.4		5.6		5.2		6		86				<0.2		0.7	
					Middle	4.4	0.6	33	27.2	27.2	8.2	8.2	29.9	29.9	80.7	80.7	5.4		9.9		6		87				<0.2		0.7	
						4.4	0.6	35	27.2		8.2		29.9		80.6		5.4		9.3		7		87				<0.2		0.7	
					Bottom	7.7	0.5	33	27.1	27.1	8.2	8.2	29.9	30.0	82.6	82.8	5.6	5.6	10.9		9		89				<0.2		0.6	
						7.7	0.5	36	27.1		8.2		30.0		82.9		5.6		10.7		8		89				<0.2		0.6	
C2	Rainy	Calm	08:44	13.0	Surface	1.0	0.3	334	27.5	27.5	8.1	8.1	24.9	24.9	85.0	85.0	5.8	5.8	6.3	7.2	8	7	85	89	825673	806924	<0.2	<0.2	1.0	1.0
						1.0	0.3	340	27.5		8.1		24.9		84.9		5.8		6.4		9		86				<0.2		1.0	
					Middle	6.5	0.2	358	27.4	27.4	8.1	8.1	25.9	25.9	83.5	83.4	5.7		7.1		9		89				<0.2		0.9	
						6.5	0.3	329	27.3		8.1		26.0		83.3		5.7		7.3		8		89				<0.2		1.0	
					Bottom	12.0	0.3	63	27.6	27.7	8.1	8.1	26.0	26.0	78.4	78.5	5.4	5.4	8.2		5		91				<0.2		1.0	
						12.0	0.3	67	27.7		8.1		25.9		78.5		5.4		8.1		4		91				<0.2		0.9	
C3	Rainy	Calm	07:11	13.0	Surface	1.0	0.4	341	27.0	27.0	8.0	8.0	25.6	25.7	79.1	78.7	5.5	5.2	4.8	5.5	6	6	83	86	822107	817799	<0.2	<0.2	1.0	1.0
						1.0	0.4	344	26.9		8.0		25.8		78.2		5.4		4.9		7		83				<0.2		0.9	
					Middle	6.5	0.2	357	26.7	26.7	8.0	8.0	27.8	27.8	72.2	72.3	4.9		5.3		6		86				<0.2		0.9	
						6.5	0.2	328	26.7		8.0		27.9		72.3		5.0		5.4		5		86				<0.2		0.9	
					Bottom	12.0	0.2	357	26.8	26.8	8.0	8.0	27.6	27.6	73.4	73.5	5.0	5.0	6.2		6		88				<0.2		1.0	
						12.0	0.2	347	26.8		8.0		27.6		73.6		5.0		6.3		6		88				<0.2		1.0	
IM1	Cloudy	Moderate	08:01	5.4	Surface	1.0	0.0	100	27.3	27.3	8.1	8.1	27.7	27.7	69.6	69.5	4.7	4.7	12.2	13.5	10	12	84	85	817925	807119	<0.2	<0.2	0.7	0.6
						1.0	0.0	108	27.3		8.1		27.7		69.4		4.7		12.7		13		84				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	62	27.2	27.2	8.1	8.1	27.9	27.9	69.8	69.9	4.7	4.7	14.6		13		85				<0.2		0.6	
						4.4	0.1	63	27.2		8.1		27.9		69.9		4.7		14.5		12		85				<0.2		0.6	
IM2	Cloudy	Moderate	08:08	7.8	Surface	1.0	0.2	345	27.3	27.3	8.2	8.2	27.9	27.9	73.1	73.1	5.0	5.0	9.2	10.9	11	9	85	87	818140	806182	<0.2	<0.2	0.7	0.8
						1.0	0.2	317	27.3		8.2		28.0		73.0		5.0		9.6		10		85				<0.2		0.8	
					Middle	3.9	0.2	16	27.1	27.1	8.2	8.2	29.0	29.0	72.2	72.2	4.9		13.2		9		87				<0.2		0.7	
						3.9	0.2	16	27.1		8.2		29.0		72.2		4.9		13.3		10		88				<0.2		0.7	
					Bottom	6.8	0.2	20	27.1	27.1	8.1	8.1	29.1	29.1	72.3	72.3	4.9	4.9	10.1		6		89				<0.2		0.8	
						6.8	0.2	21	27.1		8.1		29.1		72.3		4.9		9.9		10		89				<0.2		0.8	
IM3	Cloudy	Moderate	08:15	7.5	Surface	1.0	0.3	312	27.4	27.4	8.2	8.2	27.1	27.2	76.8	76.8	5.2	5.2	5.6	9.8	10	8	84	86	818785	805587	<0.2	<0.2	0.8	0.7
						1.0	0.4	318	27.4		8.2		27.2		76.8		5.2		5.6		9		84				<0.2		0.8	
					Middle	3.8	0.3	349	27.1	27.1	8.2	8.2	28.7	28.8	77.1	77.0	5.2		8.9		7		86				<0.2		0.7	
						3.8	0.4	321	27.1		8.2		28.8		76.8		5.2		9.5		8		86				<0.2		0.7	
					Bottom	6.5	0.3	9	27.1	27.1	8.2	8.2	29.2	29.1	73.3	73.4	5.0	5.0	14.3		7		89				<0.2		0.7	
						6.5	0.3	9	27.1		8.2		29.1		73.5		5.0		14.7		8		89				<0.2		0.6	
IM4	Cloudy	Moderate	08:23	8.8	Surface	1.0	0.6	343	27.3	27.3	8.2	8.2	27.8	27.9	81.3	81.3	5.5	5.5	3.8	4.8	7	7	85	87	819729	804623	<0.2	<0.2	0.7	0.8
						1.0	0.7	353	27.3		8.2		27.9		81.3		5.5		3.8		8		85				<0.2		0.8	
					Middle	4.4	0.6	352	27.2	27.2	8.2	8.2	28.2	28.2	79.2	79.1	5.4		4.4		7		87				<0.2		0.8	
						4.4	0.6	354	27.2		8.2		28.2		79.0		5.4		4.5		6		87				<0.2		0.8	
					Bottom	7.8	0.5	4	27.2	27.3	8.2	8.2	28.2	28.2	79.9	80.0	5.4	5.4	6.2		6		90				<0.2		0.8	
						7.8	0.5	4	27.3		8.2		28.2		80.1		5.4		6.2		7		90				<0.2		0.7	
IM5	Cloudy	Moderate	08:31	8.1	Surface	1.0	0.7	351	27.3	27.4	8.2	8.2	27.4	27.4	74.8	74.8	5.1	5.1	7.7	9.8	7	9	86	87	820751	804844	<0.2	<0.2	0.8	0.7
						1.0	0.7	354	27.4		8.2		27.4		74.8		5.1		7.7		7		86				<0.2		0.6	
					Middle	4.1	0.6	9	27.2	27.2	8.2	8.2	28.3	28.3	74.3	74.4	5.0		10.2		8		87				<0.2		0.7	
						4.1	0.6	9	27.2		8.2		28.3		74.4		5.0		10.0		9		87				<0.2		0.7	
					Bottom	7.1	0.4	19	27.2	27.2	8.2	8.2	28.4	28.3	74.6	74.7	5.1	5.1	11.6		11		89				<0.2		0.7	
						7.1	0.4	20	27.2		8.2		28.3		74.7		5.1		11.9		10		89				<0.2		0.6	
IM6	Cloudy	Moderate	08:39	8.4	Surface	1.0	0.1	257	27.6	27.6	8.1	8.1	24.8	24.8	79.6	79.6	5.5	5.2	4.6	7.0	11	8	86	87	821057	805806	<0.2	<0.2	0.7	0.8
						1.0	0.1	260	27.6		8.1		24.8		79.5		5.5		4.9		10		86				<0.2		0.8	
					Middle	4.2	0.2	52	27.3	27.3	8.1	8.1	27.6	27.6	71.4	71.4	4.9		7.3		11		87				<0.2		0.8	
						4.2	0.2	55	27.3		8.1		27.7		71.3		4.8		7.9		5		87				<0.2		0.7	
					Bottom	7.4	0.3	61	27.4	27.5	8.1	8.1	27.8	27.8	71.8	72.0	4.9	4.9	8.5		4		89				<0.2		0.8	
						7.4	0.3	63	27.5		8.1		27.8		72.1		4.9		8.8		4		89				<0.2		0.8	
IM7	Cloudy	Moderate	08:47	7.9	Surface	1.0	0.2	271	27.6	27.6	8.2	8.2	24.8	24.8	77.1	77.0	5.3	5.2	4.9	7.9	4	5	87	88	821368	806846	<0.2	<0.2	0.6	0.7
						1.0	0.2	280	27.5		8.2		24.8		76.8		5.3		5.3		5		87				<0.2		0.6	
					Middle	4.0	0.1	109	27.3	27.3	8.2	8.2	27.4	27.4	74.2	74.1	5.0		8.8		4		88				<0.2		0.7	
						4.0	0.1	116	27.3		8.2		27.5		74.0		5.0		8.9		5		88				<0.2		0.7	
					Bottom	6.9	0.2	125	27.3	27.3	8.2	8.2	27.9	27.9	74.1	74.2	5.0	5.0	9.7		4		90				<0.2		0.8	
						6.9	0.2	131	27.3		8.2		27.9		74.3		5.0		9.6		5		90				<0.2		0.8	
IM8	Rainy	Calm	08:16	8.6	Surface	1.0	0.2	82	27.5	27.5	8.1	8.1	24.9	25.0	82.9	82.7	5.7	5.3	5.5	6.6	5	5	86	89	821822	808123	<0.2	<0.2	0.9	0.9
						1.0	0.2	89	27.5		8.1		25.0		82.5		5.7		5.6		6		86				<0.2		1.0	
					Middle	4.3	0.2	97	27.1	27.1	8.1	8.1	27.3	27.4	74.8	72.9	5.1		6.9		6		91				<0.2		0.9	
						4.3	0.2	101	27.1		8.1		27.5		71.0		4.8		6.8		5		91				<0.2		0.9	
					Bottom	7.6	0.3	80	27.1	27.2	8.1	8.1	27.7	27.7	71.2	71.3	4.9	4.9	7.3		5		88				<0.2		0.9	
						7.6	0.3	82	27.2		8.1		27.6		71.4		4.9		7.4		4		92				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 June 21 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	Calm	08:10	8.4	Surface	1.0	0.1	28	27.6	27.6	8.1	8.1	25.1	25.1	82.4	82.4	5.7	5.5	5.7	6.4	6	6	86	89	822109	808822	<0.2	<0.2	0.9	0.9
						1.0	0.1	28	27.6		8.1		25.1		82.3		5.6		5.6		7		86				<0.2		0.9	
					Middle	4.2	0.2	31	27.5	27.5	8.1	8.1	26.2	26.2	80.1	78.5	5.5		6.4		6		89				<0.2		0.9	
						4.2	0.2	32	27.4		8.1		26.3		76.8		5.2		6.4		5		90				<0.2		0.9	
					Bottom	7.4	0.2	55	27.4	27.4	8.1	8.1	26.6	26.5	77.8	77.9	5.3	5.3	7.2		5		91				<0.2		0.9	
						7.4	0.3	58	27.4		8.1		26.5		78.0		5.3		7.2		4		91				<0.2		0.9	
IM10	Rainy	Calm	08:02	8.0	Surface	1.0	0.5	303	27.5	27.5	8.1	8.1	25.7	25.7	87.3	87.0	6.0	5.7	6.4	7.4	4	5	83	87	822367	809788	<0.2	<0.2	0.9	0.9
						1.0	0.5	326	27.4		8.1		25.7		86.6		5.9		6.4		5		84				<0.2		0.9	
					Middle	4.0	0.4	305	27.4	27.4	8.1	8.1	25.8	25.8	79.2	79.3	5.4		7.1		5		87				<0.2		0.9	
						4.0	0.4	325	27.4		8.1		25.9		79.3		5.4		7.0		5		88				<0.2		0.9	
					Bottom	7.0	0.3	317	27.2	27.2	8.0	8.0	26.0	26.0	81.4	81.7	5.6	5.6	8.8		5		90				<0.2		0.8	
						7.0	0.3	344	27.1		8.0		26.0		81.9		5.6		8.6		6		90				<0.2		0.9	
IM11	Rainy	Calm	07:52	8.2	Surface	1.0	0.7	277	27.3	27.3	8.1	8.1	25.9	26.0	86.8	86.7	6.0	5.9	6.1	7.1	4	4	84	85	822066	811441	<0.2	<0.2	0.8	0.9
						1.0	0.7	303	27.2		8.1		26.1		86.5		5.9		6.2		5		84				<0.2		0.9	
					Middle	4.1	0.6	281	27.0	27.0	8.1	8.1	26.9	27.0	85.1	85.0	5.8		7.0		4		86				<0.2		0.9	
						4.1	0.6	286	27.0		8.1		27.1		84.8		5.8		7.0		5		85				<0.2		0.9	
					Bottom	7.2	0.2	259	26.9	26.9	8.1	8.1	27.8	27.8	78.4	78.5	5.4	5.4	8.1		3		86				<0.2		0.9	
						7.2	0.2	271	26.9		8.1		27.8		78.5		5.4		8.0		4		86				<0.2		0.9	
IM12	Rainy	Calm	07:46	10.2	Surface	1.0	0.4	288	27.2	27.2	8.1	8.1	26.2	26.3	82.9	82.7	5.7	5.6	4.6	5.6	5	5	84	86	821449	812065	<0.2	<0.2	0.9	0.9
						1.0	0.5	300	27.2		8.1		26.3		82.4		5.6		4.6		6		84				<0.2		0.9	
					Middle	5.1	0.3	282	27.1	27.1	8.1	8.1	26.6	26.6	80.6	80.6	5.5		5.1		5		85				<0.2		0.9	
						5.1	0.3	290	27.1		8.1		26.6		80.5		5.5		5.1		4		85				<0.2		1.0	
					Bottom	9.2	0.2	306	27.0	27.0	8.1	8.1	26.9	26.9	79.4	79.5	5.4	5.5	7.0		4		88				<0.2		0.9	
						9.2	0.2	306	27.0		8.1		26.9		79.6		5.5		7.0		4		88				<0.2		1.0	
SR1A	Rainy	Calm	07:18	4.0	Surface	1.0	-	-	27.7	27.7	8.1	8.1	24.8	24.9	86.2	86.1	5.9	5.9	4.8	5.5	5	5	-	-	819974	812665	-	-	-	-
						1.0	-	-	27.7		8.1		24.9		86.0		5.9		4.9		4		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	27.7	27.7	8.1	8.1	25.0	25.0	87.0	87.3	6.0	6.0	6.1		5		-				-		-	
						3.0	-	-	27.7		8.1		24.9		87.6		6.0		6.2		6		-				-		-	
SR2	Rainy	Calm	07:12	4.6	Surface	1.0	0.3	344	27.3	27.3	8.0	8.0	26.1	26.2	81.1	81.0	5.6	5.6	7.5	7.9	4	5	85	86	821479	814178	<0.2	<0.2	1.0	1.0
						1.0	0.3	345	27.3		8.0		26.3		80.8		5.5		7.5		5		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	304	27.0	27.1	8.0	8.0	26.9	27.0	74.3	73.8	5.1	5.1	8.3		4		87				<0.2		1.0	
						3.6	0.2	314	27.2		8.0		27.0		73.3		5.0		8.3		5		87				<0.2		1.0	
SR3	Rainy	Calm	08:22	10.2	Surface	1.0	0.1	69	27.6	27.6	8.1	8.1	24.8	24.8	83.8	83.7	5.8	5.7	5.7	6.5	4	5	-	-	822148	807565	-	-	-	-
						1.0	0.1	69	27.5		8.1		24.9		83.6		5.7		5.8		3		-				-		-	
					Middle	5.1	0.3	71	27.2	27.2	8.1	8.1	25.4	25.4	81.8	81.8	5.6		6.6		6		-				-		-	
						5.1	0.3	71	27.2		8.1		25.4		81.8		5.6		6.6		5		-				-		-	
					Bottom	9.2	0.4	55	27.2	27.2	8.1	8.1	27.4	27.4	77.4	77.6	5.3	5.3	7.2		5		-				-		-	
						9.2	0.4	57	27.2		8.1		27.4		77.8		5.3		7.2		6		-				-		-	
SR4A	Rainy	Moderate	07:17	8.2	Surface	1.0	0.2	77	27.5	27.5	8.1	8.1	25.9	25.9	76.8	76.9	5.3	5.0	4.5	5.2	7	7	-	-	817178	807818	-	-	-	-
						1.0	0.2	83	27.5		8.1		25.9		76.9		5.3		4.5		8		-				-		-	
					Middle	4.1	0.4	76	27.4	27.4	8.1	8.1	27.1	27.1	69.6	69.7	4.7		5.7		6		-				-		-	
						4.1	0.4	76	27.4		8.1		27.1		69.7		4.7		5.3		7		-				-		-	
					Bottom	7.2	0.4	70	27.4	27.4	8.1	8.1	27.1	27.1	71.8	71.9	4.9	4.9	5.6		6		-				-		-	
						7.2	0.4	73	27.4		8.1		27.1		72.0		4.9		5.5		7		-				-		-	
SR5A	Rainy	Moderate	06:59	3.7	Surface	1.0	0.0	190	27.8	27.8	8.0	8.0	24.9	24.9	80.8	80.8	5.5	5.5	5.6	5.5	6	7	-	-	816588	810696	-	-	-	-
						1.0	0.0	194	27.8		8.0		24.9		80.8		5.5		5.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	166	27.8	27.8	8.0	8.0	24.9	24.9	80.9	80.9	5.5	5.5	5.5		6		-				-		-	
						2.7	0.1	169	27.8		8.0		24.9		80.9		5.5		5.4		7		-				-		-	
SR6A	Rainy	Moderate	06:24	4.9	Surface	1.0	0.1	145	27.8	27.8	8.0	8.0	25.0	25.0	79.6	79.5	5.4	5.4	5.0	4.8	5	5	-	-	817975	814762	-	-	-	-
						1.0	0.1	145	27.8		8.0		25.0		79.3		5.4		4.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	200	27.8	27.8	8.0	8.0	25.5	25.5	77.3	77.3	5.3	5.3	4.7		6		-				-		-	
						3.9	0.1	204	27.7		8.0		25.5		77.3		5.3		4.7		5		-				-		-	
SR7	Rainy	Calm	06:13	17.4	Surface	1.0	0.3	184	26.6	26.6	8.1	8.1	28.7	28.7	77.9	77.9	5.3	5.2	3.4	5.1	6	5	-	-	823648	823719	-	-	-	-
						1.0	0.3	198	26.6		8.1		28.7		77.8		5.3		3.4		5		-				-		-	
					Middle	8.7	0.4	141	26.4	26.4	8.1	8.1	29.9	29.9	73.4	73.4	5.0		5.5		6		-				-		-	
						8.7	0.4	144	26.4		8.1		29.9		73.3		5.0		5.6		5		-				-		-	
					Bottom	16.4	0.3	182	26.4	26.4	8.0	8.0	30.2	30.2	74.2	74.4	5.0	5.1	6.3		4		-				-		-	
						16.4	0.4	189	26.4		8.0		30.2		74.6		5.1		6.2		5		-				-		-	
SR8	Rainy	Calm	07:38	3.6	Surface	1.0	-	-	27.5	27.5	8.0	8.0	25.5	25.6	83.5	83.4	5.7	5.7	5.9	6.4	6	7	-	-	820399	811624	-	-	-	-
						1.0	-	-	27.5		8.0		25.6		83.3		5.7		5.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	27.5	27.6	8.0	8.0	25.6	25.5	83.7	84.2	5.7	5.8	7.0		8		-				-		-	
						2.6	-	-	27.6		8.0		25.4		84.6		5.8		7.0		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 June 21 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	15:39	8.7	Surface	1.0	0.3	206	30.6	30.6	8.1	8.1	22.7	22.7	92.1	92.3	6.1	5.5	3.3	6.9	6	6	85	88	815624	804248	<0.2	<0.2	1.5	1.5
						1.0	0.3	221	30.6		8.1		22.7		92.4		6.1		3.2		5		86				<0.2		1.4	
					Middle	4.4	0.4	228	29.3	29.3	8.2	8.2	27.6	27.6	74.6	74.6	4.9		7.8		6		87				<0.2		1.5	
						4.4	0.4	230	29.2		8.2		27.6		74.5		4.9		7.7		6		88				<0.2		1.6	
					Bottom	7.7	0.4	216	29.0	29.0	8.2	8.2	30.2	30.6	65.6	66.0	4.2	4.3	9.2		5		90				<0.2		1.5	
						7.7	0.5	233	29.0		8.2		30.9		66.4		4.3		10.0		6		91				<0.2		1.6	
C2	Cloudy	Rough	14:29	12.8	Surface	1.0	0.2	143	28.5	28.5	8.2	8.2	21.1	21.1	84.0	84.0	5.8	5.7	3.0	2.9	6	7	82	86	825684	806934	<0.2	<0.2	1.3	1.2
						1.0	0.2	154	28.5		8.2		21.1		84.0		5.8		3.0		5		82				<0.2		1.1	
					Middle	6.4	0.3	147	28.4	28.4	8.2	8.2	21.5	21.5	80.8	80.8	5.6		2.4		7		87				<0.2		1.1	
						6.4	0.3	155	28.4		8.2		21.5		80.8		5.6		2.4		6		87				<0.2		1.2	
					Bottom	11.8	0.3	133	28.3	28.3	8.2	8.2	23.5	23.5	75.3	75.3	5.2	5.2	3.3		8		90				<0.2		1.3	
						11.8	0.4	145	28.3		8.3		23.5		75.3		5.2		3.3		9		90				<0.2		1.2	
C3	Cloudy	Rough	16:30	11.6	Surface	1.0	0.1	111	28.2	28.2	8.2	8.2	24.8	24.8	77.5	77.4	5.3	5.2	3.9	5.7	8	6	78	85	822096	817780	<0.2	<0.2	1.3	1.3
						1.0	0.2	115	28.2		8.2		24.8		77.3		5.3		4.0		8		79				<0.2		1.1	
					Middle	5.8	0.2	46	28.1	28.1	8.2	8.2	25.4	25.4	74.1	74.1	5.0		4.7		6		87				<0.2		1.3	
						5.8	0.2	46	28.1		8.2		25.4		74.1		5.0		4.7		5		87				<0.2		1.3	
					Bottom	10.6	0.2	69	27.8	27.8	8.2	8.2	26.7	26.7	69.1	69.2	4.7	4.7	8.5		6		90				<0.2		1.3	
						10.6	0.2	71	27.8		8.2		26.7		69.3		4.7		8.6		5		90				<0.2		1.4	
IM1	Cloudy	Moderate	15:15	5.1	Surface	1.0	0.1	235	29.0	29.0	8.1	8.1	28.6	28.6	78.7	78.6	5.1	5.1	5.6	6.4	6	7	87	88	817958	807142	<0.2	<0.2	1.5	1.5
						1.0	0.1	238	29.0		8.1		28.7		78.5		5.1		5.2		6		86				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	243	28.7	28.7	8.1	8.1	31.0	31.0	63.5	63.6	4.1	4.1	7.5		7		89				<0.2		1.4	
						4.1	0.2	249	28.7		8.1		31.0		63.7		4.1		7.5		7		90				<0.2		1.3	
IM2	Cloudy	Moderate	15:08	7.2	Surface	1.0	0.2	133	29.9	29.9	8.1	8.1	28.9	28.9	79.9	79.8	5.1	5.0	4.4	10.9	7	6	85	88	818145	806186	<0.2	<0.2	1.7	1.6
						1.0	0.2	143	29.9		8.1		29.0		79.6		5.1		4.5		7		87				<0.2		1.6	
					Middle	3.6	0.2	129	28.6	28.6	8.1	8.1	31.2	31.2	74.8	74.9	4.9		11.7		6		87				<0.2		1.6	
						3.6	0.2	135	28.6		8.1		31.2		74.9		4.9		12.1		5		89				<0.2		1.4	
					Bottom	6.2	0.0	110	28.6	28.6	8.1	8.1	31.3	31.3	66.6	66.7	4.3	4.3	16.6		5		90				<0.2		1.5	
						6.2	0.0	118	28.6		8.1		31.3		66.8		4.3		16.2		6		92				<0.2		1.6	
IM3	Cloudy	Moderate	15:01	7.3	Surface	1.0	0.3	6	28.8	28.8	8.1	8.1	26.9	26.8	79.8	79.7	5.3	4.7	3.2	7.9	6	6	86	88	818790	805598	<0.2	<0.2	1.4	1.4
						1.0	0.3	6	28.8		8.1		26.8		79.6		5.3		3.3		5		85				<0.2		1.4	
					Middle	3.7	0.2	28	30.2	30.2	8.1	8.1	30.9	31.0	64.3	64.3	4.1		9.5		5		87				<0.2		1.3	
						3.7	0.2	28	30.2		8.1		31.0		64.3		4.1		9.7		6		89				<0.2		1.4	
					Bottom	6.3	0.1	357	30.1	30.1	8.1	8.1	31.3	31.3	64.9	65.0	4.1	4.1	10.9		6		90				<0.2		1.4	
						6.3	0.1	328	30.1		8.1		31.3		65.1		4.1		10.8		6		90				<0.2		1.2	
IM4	Cloudy	Moderate	14:52	7.9	Surface	1.0	0.4	157	29.5	29.5	8.1	8.1	17.2	17.2	97.6	97.4	6.7	5.6	4.7	7.5	7	6	85	88	819702	804607	<0.2	<0.2	1.4	1.5
						1.0	0.4	165	29.5		8.1		17.2		97.1		6.7		4.9		6		87				<0.2		1.4	
					Middle	4.0	0.4	161	28.7	28.7	8.1	8.1	30.3	30.3	69.0	69.0	4.5		8.9		7		89				<0.2		1.5	
						4.0	0.5	168	28.7		8.1		30.3		69.0		4.5		8.9		6		88				<0.2		1.4	
					Bottom	6.9	0.3	189	28.6	28.6	8.1	8.1	30.5	30.5	64.5	65.0	4.2	4.3	8.9		6		90				<0.2		1.5	
						6.9	0.4	192	28.6		8.1		30.5		65.4		4.3		8.9		6		91				<0.2		1.6	
IM5	Cloudy	Rough	14:45	7.4	Surface	1.0	0.3	197	29.9	29.9	8.1	8.1	20.3	20.3	104.4	104.3	7.0	6.7	2.1	6.1	6	5	86	88	820754	804872	<0.2	<0.2	1.4	1.5
						1.0	0.4	199	29.9		8.1		20.3		104.2		7.0		2.0		6		86				<0.2		1.6	
					Middle	3.7	0.5	212	29.7	29.7	8.1	8.1	21.4	21.4	95.5	95.3	6.4		5.4		5		88				<0.2		1.4	
						3.7	0.6	224	29.7		8.1		21.4		95.0		6.4		5.8		6		89				<0.2		1.4	
					Bottom	6.4	0.4	186	28.9	29.0	8.1	8.1	28.5	28.5	61.4	61.5	4.0	4.0	10.7		4		90				<0.2		1.7	
						6.4	0.4	202	29.0		8.1		28.5		61.5		4.0		10.7		3		91				<0.2		1.5	
IM6	Cloudy	Rough	14:38	7.8	Surface	1.0	0.2	204	29.6	29.6	8.1	8.1	17.8	17.8	97.3	97.1	6.7	5.7	2.3	5.5	5	5	87	89	821042	805805	<0.2	<0.2	1.5	1.5
						1.0	0.3	214	29.6		8.1		17.8		96.9		6.7		2.3		6		86				<0.2		1.5	
					Middle	3.9	0.3	254	28.9	28.9	8.0	8.0	25.1	25.1	69.9	69.9	4.7		4.5		5		88				<0.2		1.5	
						3.9	0.3	270	28.9		8.1		25.1		69.9		4.7		4.6		6		88				<0.2		1.5	
					Bottom	6.8	0.2	256	27.3	27.4	8.1	8.1	29.0	29.0	62.2	62.6	4.2	4.2	9.9		4		91				<0.2		1.5	
						6.8	0.2	272	27.4		8.1		29.0		63.0		4.2		9.5		3		92				<0.2		1.4	
IM7	Cloudy	Rough	14:32	8.2	Surface	1.0	0.2	91	29.8	29.8	8.1	8.1	18.1	18.1	97.2	97.1	6.6	5.4	2.2	5.0	6	5	85	88	821340	806825	<0.2	<0.2	1.4	1.4
						1.0	0.2	97	29.8		8.1		18.1		97.0		6.6		2.1		5		86				<0.2		1.5	
					Middle	4.1	0.2	96	29.9	29.9	8.0	8.0	26.8	26.9	65.3	65.3	4.2		4.4		5		88				<0.2		1.3	
						4.1	0.2	97	29.8		8.0		26.9		65.2		4.2		4.7		6		87				<0.2		1.5	
					Bottom	7.2	0.1	111	29.0	29.0	8.1	8.1	27.9	27.9	62.0	62.0	4.1	4.1	8.4		4		90				<0.2		1.3	
						7.2	0.1	111	29.0		8.1		27.9		62.0		4.1		8.4		3		89				<0.2		1.4	
IM8	Cloudy	Rough	14:59	8.0	Surface	1.0	0.2	55	28.9	28.9	8.1	8.1	21.1	21.1	89.0	89.0	6.1	5.9	2.4	4.8	5	6	82	86	821844	808126	<0.2	<0.2	1.3	1.2
						1.0	0.2	55	28.9		8.1		21.1		88.9		6.1		2.4		6		83				<0.2		1.2	
					Middle	4.0	0.1	71	28.6	28.6	8.2	8.2	22.0	22.0	83.0	83.0	5.7		4.9		6		86				<0.2		1.2	
						4.0	0.1	73	28.6		8.2		22.0		83.0		5.7		5.0		5		87				<0.2		1.2	
					Bottom	7.0	0.2	41	28.4	28.4	8.2	8.2	23.4	23.4	78.7	78.8	5.4	5.4	7.2		5		90				<0.2		1.3	
						7.0	0.2	43	28.4		8.2		23.4		78.8		5.4		7.2		6		90				<0.2		1.2	

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 15 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	15:04	7.7	Surface	1.0	0.4	79	28.8	28.9	8.2	8.2	21.2	21.2	88.8	88.8	6.1	5.8	2.7	6.5	7	7	85	88	822114	808804	<0.2	<0.2	1.3	1.3
						1.0	0.4	86	28.9		8.2		21.2		88.8		6.1		2.7		7		89				<0.2		1.1	
					Middle	3.9	0.3	111	28.6	28.6	8.2	8.2	22.5	22.5	80.7	80.7	5.5		5.8		6		86				<0.2		1.3	
						3.9	0.3	117	28.5		8.2		22.6		80.6		5.5		5.9		7		87				<0.2		1.4	
					Bottom	6.7	0.1	70	28.4	28.4	8.2	8.2	23.8	23.8	77.0	77.1	5.3	5.3	10.8		6		91				<0.2		1.2	
						6.7	0.1	73	28.4		8.2		23.8		77.1		5.3		10.8		7		91				<0.2		1.2	
IM10	Cloudy	Rough	15:11	7.4	Surface	1.0	0.7	104	28.8	28.8	8.2	8.2	21.7	21.7	88.6	88.6	6.1	6.1	3.1	5.5	4	5	85	88	822387	809771	<0.2	<0.2	1.3	1.3
						1.0	0.7	110	28.8		8.2		21.7		88.5		6.1		3.1		5		85				<0.2		1.4	
					Middle	3.7	0.8	112	28.8	28.8	8.2	8.2	21.8	21.8	88.0	88.0	6.0		3.4		6		87				<0.2		1.3	
						3.7	0.8	114	28.8		8.2		21.8		88.0		6.0		3.4		5		87				<0.2		1.2	
					Bottom	6.4	0.5	103	28.5	28.5	8.2	8.2	23.2	23.2	79.8	79.9	5.4	5.5	10.0		5		90				<0.2		1.3	
						6.4	0.5	111	28.5		8.2		23.2		79.9		5.5		10.0		6		91				<0.2		1.3	
IM11	Cloudy	Rough	15:20	8.4	Surface	1.0	0.6	106	28.9	28.9	8.2	8.2	21.4	21.4	90.4	90.4	6.2	6.1	2.1	3.6	6	5	85	88	822070	811462	<0.2	<0.2	1.2	1.3
						1.0	0.7	111	28.9		8.2		21.4		90.4		6.2		2.1		6		85				<0.2		1.3	
					Middle	4.2	0.6	116	28.8	28.8	8.2	8.2	22.0	22.0	88.0	88.0	6.0		4.1		5		90				<0.2		1.3	
						4.2	0.7	123	28.8		8.2		22.0		88.0		6.0		4.1		6		89				<0.2		1.3	
					Bottom	7.4	0.4	127	28.6	28.6	8.2	8.2	22.6	22.6	82.4	82.4	5.6	5.6	4.6		4		90				<0.2		1.3	
						7.4	0.4	127	28.6		8.2		22.6		82.4		5.6		4.6		5		91				<0.2		1.4	
IM12	Cloudy	Rough	15:26	9.9	Surface	1.0	0.7	121	29.0	29.0	8.2	8.2	21.0	21.0	90.3	90.3	6.2	5.7	1.7	2.6	5	5	84	89	821439	812058	<0.2	<0.2	1.3	1.3
						1.0	0.7	126	29.0		8.2		21.0		90.3		6.2		1.7		5		85				<0.2		1.3	
					Middle	5.0	0.5	119	28.3	28.3	8.1	8.1	23.2	23.2	74.5	74.6	5.1		2.6		6		89				<0.2		1.3	
						5.0	0.5	124	28.3		8.1		23.2		74.6		5.1		2.7		5		89				<0.2		1.3	
					Bottom	8.9	0.2	62	28.2	28.2	8.2	8.2	24.3	24.3	70.9	70.9	4.8	4.8	3.6		6		93				<0.2		1.3	
						8.9	0.2	63	28.2		8.2		24.3		70.9		4.8		3.6		5		93				<0.2		1.4	
SR1A	Cloudy	Rough	15:56	5.5	Surface	1.0	-	-	28.9	28.9	8.2	8.2	21.5	21.5	89.4	89.4	6.1	6.1	2.7	3.2	5	6	-	-	819973	812656	-	-	-	-
						1.0	-	-	28.9		8.2		21.5		89.3		6.1		2.6		6		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	28.4	28.4	8.1	8.1	23.6	23.6	77.8	77.8	5.3	5.3	3.7		7		-				-		-	
						4.5	-	-	28.4		8.1		23.6		77.8		5.3		3.7		7		-				-		-	
SR2	Cloudy	Rough	16:10	4.6	Surface	1.0	0.4	104	28.8	28.8	8.2	8.2	21.9	21.9	87.8	87.8	6.0	6.0	3.5	3.8	5	6	83	85	821478	814166	<0.2	<0.2	1.2	1.3
						1.0	0.4	111	28.8		8.2		21.9		87.7		6.0		3.5		6		83				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	157	28.7	28.7	8.2	8.2	22.2	22.2	85.9	85.9	5.9	5.9	4.2		6		87				<0.2		1.3	
						3.6	0.2	159	28.7		8.2		22.2		85.8		5.9		4.2		7		88				<0.2		1.3	
SR3	Cloudy	Rough	14:53	8.9	Surface	1.0	0.1	65	28.7	28.7	8.2	8.2	21.6	21.6	85.7	85.7	5.9	5.8	2.5	4.3	5	6	-	-	822168	807590	-	-	-	-
						1.0	0.1	69	28.7		8.2		21.6		85.7		5.9		2.5		6		-				-		-	
					Middle	4.5	0.2	183	28.6	28.6	8.2	8.2	22.0	22.0	81.4	81.5	5.6		2.8		6		-				-		-	
						4.5	0.2	197	28.6		8.2		22.0		81.5		5.6		2.8		6		-				-		-	
					Bottom	7.9	0.0	156	28.4	28.4	8.2	8.2	23.2	23.2	77.3	77.4	5.3	5.3	7.7		6		-				-		-	
						7.9	0.0	157	28.4		8.2		23.2		77.4		5.3		7.7		6		-				-		-	
SR4A	Cloudy	Moderate	16:01	8.6	Surface	1.0	0.2	177	29.6	29.7	8.1	8.1	20.2	20.2	89.7	89.6	6.1	5.0	4.0	8.8	5	6	-	-	817190	807833	-	-	-	-
						1.0	0.2	188	29.7		8.1		20.2		89.5		6.1		4.2		6		-				-		-	
					Middle	4.3	0.1	186	28.6	28.6	8.1	8.1	30.8	30.8	59.6	59.7	3.9		9.4		5		-				-		-	
						4.3	0.1	192	28.6		8.1		30.8		59.8		3.9		9.7		6		-				-		-	
					Bottom	7.6	0.1	151	28.6	28.6	8.1	8.1	30.9	30.9	61.3	61.4	4.0	4.0	12.8		6		-				-		-	
						7.6	0.2	158	28.6		8.1		30.9		61.5		4.0		12.9		7		-				-		-	
SR5A	Cloudy	Moderate	16:21	3.5	Surface	1.0	0.1	358	29.3	29.3	8.2	8.2	20.0	20.0	95.1	94.9	6.5	6.5	7.1	8.6	6	7	-	-	816584	810718	-	-	-	-
						1.0	0.1	329	29.3		8.2		20.0		94.6		6.4		7.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.0	13	29.0	29.1	8.1	8.1	25.1	25.1	72.9	74.6	4.9	5.0	10.0		6		-				-		-	
						2.5	0.0	14	29.1		8.1		25.1		76.3		5.1		10.0		7		-				-		-	
SR6A	Cloudy	Moderate	17:03	4.2	Surface	1.0	0.1	68	29.4	29.4	8.2	8.2	19.0	19.0	93.0	92.8	6.4	6.4	8.1	9.4	6	6	-	-	817951	814742	-	-	-	-
						1.0	0.1	73	29.3		8.2		19.0		92.6		6.3		8.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	49	29.0	29.0	8.1	8.1	26.3	26.3	68.5	68.5	4.5	4.5	10.7		5		-				-		-	
						3.2	0.1	53	29.0		8.1		26.3		68.5		4.5		10.3		6		-				-		-	
SR7	Cloudy	Rough	16:56	14.8	Surface	1.0	0.0	206	28.8	28.8	8.2	8.2	22.8	22.8	90.5	90.5	6.2	6.1	1.2	1.4	6	6	-	-	823620	823746	-	-	-	-
						1.0	0.0	210	28.8		8.2		22.8		90.5		6.2		1.2		5		-				-		-	
					Middle	7.4	0.1	245	28.8	28.8	8.2	8.2	23.0	23.0	88.3	88.2	6.0		1.2		7		-				-		-	
						7.4	0.1	257	28.8		8.2		23.0		88.1		6.0		1.2		6		-				-		-	
					Bottom	13.8	0.0	199	28.6	28.6	8.2	8.2	23.6	23.6	85.3	85.3	5.8	5.8	1.7		6		-				-		-	
						13.8	0.0	200	28.6		8.2		23.6		85.3		5.8		1.7		7		-				-		-	
SR8	Cloudy	Rough	15:35	5.2	Surface	1.0	-	-	28.7	28.7	8.1	8.1	22.6	22.6	82.2	82.2	5.6	5.6	6.1	7.7	6	5	-	-	820370	811636	-	-	-	-
						1.0	-	-	28.7		8.1		22.6		82.2		5.6		6.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.7	28.7	8.2	8.2	22.8	22.8	81.3	81.4	5.5	5.6	9.2		4		-				-		-	
						4.2	-	-	28.7		8.2		22.8		81.5		5.6		9.4		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 15 June 21 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	08:56	8.4	Surface	1.0	0.2	45	28.6	28.6	8.1	8.1	22.5	22.5	80.1	79.6	5.5	4.9	5.8	8.5	2	3	85	88	815598	804235	<0.2	<0.2	1.4	1.5
						1.0	0.2	47	28.6		8.1		22.5		79.1		5.4		5.6		3		86				<0.2		1.3	
					Middle	4.2	0.1	55	26.7	26.7	8.1	8.1	28.2	28.2	65.1	65.1	4.4		7.6		3		87				<0.2		1.5	
						4.2	0.1	60	26.6		8.1		28.2		65.0		4.4		8.4		2		88				<0.2		1.5	
					Bottom	7.4	0.1	62	26.6	26.6	8.1	8.1	29.8	29.8	66.2	66.4	4.5	4.5	11.7		2		90				<0.2		1.4	
						7.4	0.1	65	26.6		8.1		29.8		66.5		4.5		11.9		3		91				<0.2		1.6	
C2	Sunny	Moderate	10:32	12.8	Surface	1.0	0.4	12	28.7	28.7	8.2	8.2	17.0	17.0	92.6	92.5	6.5	6.2	1.5	3.3	4	4	82	87	825671	806952	<0.2	<0.2	1.3	1.3
						1.0	0.4	12	28.7		8.2		17.0		92.4		6.5		1.5		5		83				<0.2		1.4	
					Middle	6.4	0.4	3	28.7	28.7	8.1	8.1	19.3	19.3	84.1	84.1	5.9		2.3		4		87				<0.2		1.2	
						6.4	0.5	3	28.7		8.2		19.3		84.0		5.9		2.3		5		87				<0.2		1.3	
					Bottom	11.8	0.3	327	28.4	28.4	8.2	8.2	22.7	22.8	77.3	77.4	5.3	5.3	6.2		4		90				<0.2		1.3	
						11.8	0.3	337	28.4		8.2		22.8		77.4		5.3		6.2		3		90				<0.2		1.4	
C3	Fine	Moderate	08:18	12.6	Surface	1.0	0.4	274	28.5	28.5	8.1	8.1	21.3	21.3	83.7	83.7	5.8	5.4	1.1	2.5	3	3	83	87	822106	817825	<0.2	<0.2	1.1	1.2
						1.0	0.4	300	28.5		8.1		21.3		83.6		5.8		1.1		3		83				<0.2		1.2	
					Middle	6.3	0.3	256	28.1	28.1	8.1	8.1	24.7	24.7	73.7	73.7	5.0		2.1		3		87				<0.2		1.3	
						6.3	0.3	257	28.1		8.1		24.8		73.6		5.0		2.1		2		87				<0.2		1.3	
					Bottom	11.6	0.3	284	27.5	27.5	8.1	8.1	28.0	28.0	68.0	68.0	4.6	4.6	4.4		2		90				<0.2		1.3	
						11.6	0.3	305	27.5		8.1		28.0		68.0		4.6		4.5		2		90				<0.2		1.2	
IM1	Cloudy	Moderate	09:20	5.2	Surface	1.0	0.1	53	29.0	29.0	8.1	8.1	27.5	27.5	74.5	74.3	4.9	4.9	4.8	5.8	2	2	88	89	817929	807125	<0.2	<0.2	1.6	1.7
						1.0	0.1	57	28.9		8.1		27.5		74.1		4.9		4.9		2		87				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	66	28.6	28.6	8.1	8.1	29.8	29.8	71.8	71.5	4.7	4.7	6.9		<2		90				<0.2		1.7	
						4.2	0.2	69	28.6		8.1		29.8		71.2		4.7		6.8		<2		91				<0.2		1.8	
IM2	Cloudy	Moderate	09:27	7.2	Surface	1.0	0.2	20	28.7	28.7	8.1	8.1	27.9	28.0	76.5	76.5	5.1	4.9	6.7	9.0	<2	<2	85	87	818152	806147	<0.2	<0.2	1.5	1.7
						1.0	0.3	20	28.7		8.1		28.1		76.5		5.0		6.8		<2		86				<0.2		1.7	
					Middle	3.6	0.2	355	28.5	28.5	8.1	8.1	29.1	29.1	71.7	71.7	4.7		7.0		<2		87				<0.2		1.7	
						3.6	0.2	357	28.5		8.1		29.1		71.7		4.7		7.5		<2		86				<0.2		1.8	
					Bottom	6.2	0.1	1	28.5	28.5	8.1	8.1	29.2	29.2	61.9	61.9	4.1	4.1	13.0		<2		89				<0.2		1.6	
						6.2	0.1	1	28.5		8.1		29.2		61.9		4.1		12.9		<2		89				<0.2		1.7	
IM3	Cloudy	Moderate	09:35	7.3	Surface	1.0	0.1	59	29.3	29.3	8.1	8.1	24.9	24.9	73.0	73.1	4.9	4.6	5.3	7.0	<2	2	86	88	818765	805585	<0.2	<0.2	1.5	1.6
						1.0	0.1	61	29.3		8.1		24.9		73.1		4.9		5.3		<2		85				<0.2		1.6	
					Middle	3.7	0.1	90	28.4	28.4	8.1	8.1	29.2	29.2	63.7	63.7	4.2		6.8		<2		88				<0.2		1.5	
						3.7	0.2	93	28.4		8.1		29.3		63.7		4.2		7.0		<2		88				<0.2		1.6	
					Bottom	6.3	0.1	113	28.4	28.4	8.1	8.1	29.4	29.4	64.3	64.5	4.2	4.3	8.7		2		91				<0.2		1.6	
						6.3	0.1	121	28.4		8.1		29.4		64.6		4.3		8.9		3		91				<0.2		1.5	
IM4	Cloudy	Moderate	09:46	7.8	Surface	1.0	0.6	322	28.8	28.9	8.1	8.1	26.0	25.7	75.9	77.1	5.1	4.6	3.8	9.2	2	2	86	88	819708	804614	<0.2	<0.2	1.6	1.6
						1.0	0.6	343	29.0		8.1		25.4		78.3		5.2		4.0		2		85				<0.2		1.4	
					Middle	3.9	0.5	298	28.4	28.4	8.1	8.1	29.2	29.2	61.5	61.6	4.1		10.8		3		87				<0.2		1.5	
						3.9	0.6	327	28.4		8.1		29.2		61.6		4.1		11.1		2		88				<0.2		1.6	
					Bottom	6.8	0.5	286	28.4	28.5	8.1	8.1	29.4	29.4	63.0	63.3	4.1	4.2	12.5		<2		90				<0.2		1.7	
						6.8	0.5	312	28.5		8.1		29.4		63.6		4.2		12.8		<2		90				<0.2		1.6	
IM5	Cloudy	Moderate	09:57	7.9	Surface	1.0	0.7	0	29.5	29.5	8.1	8.1	19.3	19.4	87.8	87.8	6.0	5.1	4.5	9.1	<2	2	85	88	820724	804848	<0.2	<0.2	1.6	1.6
						1.0	0.8	0	29.5		8.1		19.4		87.7		6.0		4.1		<2		87				<0.2		1.6	
					Middle	4.0	0.7	28	28.7	28.7	8.1	8.1	28.3	28.4	61.9	62.0	4.1		8.7		2		89				<0.2		1.5	
						4.0	0.7	28	28.6		8.1		28.4		62.0		4.1		9.2		3		88				<0.2		1.4	
					Bottom	6.9	0.7	35	28.6	28.6	8.1	8.1	28.8	28.8	63.7	63.8	4.2	4.2	13.8		2		89				<0.2		1.5	
						6.9	0.7	35	28.6		8.1		28.8		63.9		4.2		14.0		3		90				<0.2		1.7	
IM6	Cloudy	Rough	10:07	7.5	Surface	1.0	0.1	52	29.5	29.5	8.1	8.1	19.8	20.3	85.8	86.3	5.8	5.0	3.8	8.9	2	2	85	87	821074	805831	<0.2	<0.2	1.6	1.6
						1.0	0.1	53	29.5		8.1		20.8		86.7		5.9		4.2		3		85				<0.2		1.6	
					Middle	3.8	0.2	41	28.9	28.9	8.1	8.1	25.6	25.6	62.7	62.8	4.2		8.8		2		87				<0.2		1.5	
						3.8	0.2	44	28.9		8.1		25.6		62.8		4.2		9.5		2		88				<0.2		1.7	
					Bottom	6.5	0.2	29	28.7	28.7	8.1	8.1	28.5	28.5	63.3	63.5	4.2	4.2	13.6		2		89				<0.2		1.7	
						6.5	0.2	30	28.7		8.1		28.5		63.7		4.2		13.6		2		89				<0.2		1.6	
IM7	Cloudy	Rough	10:16	7.8	Surface	1.0	0.1	124	29.1	29.1	8.2	8.2	17.8	17.7	88.7	88.5	6.2	5.3	5.5	6.3	2	2	85	88	821347	806829	<0.2	<0.2	1.5	1.6
						1.0	0.1	134	29.1		8.2		17.7		88.2		6.1		5.6		2		86				<0.2		1.6	
					Middle	3.9	0.2	103	28.4	28.5	8.1	8.1	23.7	22.7	64.4	64.5	4.4		5.9		2		87				<0.2		1.6	
						3.9	0.2	106	28.5		8.1		21.8		64.5		4.4		6.1		3		88				<0.2		1.6	
					Bottom	6.8	0.2	92	28.8	28.8	8.1	8.1	28.1	28.1	64.6	64.7	4.3	4.3	7.5		2		90				<0.2		1.5	
						6.8	0.2	92	28.8		8.1		28.1		64.8		4.3		7.5		3		91				<0.2		1.5	
IM8	Sunny	Moderate	10:07	8.2	Surface	1.0	0.1	264	28.6	28.6	8.1	8.1	20.1	20.1	82.0	82.0	5.7	5.5	2.3	3.6	4	3	82	87	821826	808135	<0.2	<0.2	1.3	1.3
						1.0	0.1	268	28.6		8.1		20.1		82.0		5.7		2.2		4		83				<0.2		1.3	
					Middle	4.1	0.1	273	28.4	28.4	8.1	8.1	21.7	21.7	76.9	76.9	5.3		5.1		3		86				<0.2		1.2	
						4.1	0.1	285	28.4		8.1		21.7		76.9		5.3		5.2		3		87				<0.2		1.2	
					Bottom	7.2	0.1	95	28.4	28.4	8.1	8.1	22.5	22.5	77.3	77.3	5.3	5.3	3.3		3		90				<0.2		1.3	
						7.2	0.1	101	28.4		8.1		22.5		77.3		5.3		3.3		3		91				<0.2		1.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 June 21 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	10:00	7.9	Surface	1.0	0.0	285	28.8	28.8	8.1	8.1	20.5	20.5	82.1	82.1	5.7	5.4	2.7	6.8	3	3	83	87	822073	808811	<0.2	<0.2	1.4	1.3
						1.0	0.0	299	28.8		8.1		20.5		82.0		5.7		2.7		3		83				<0.2		1.4	
					Middle	4.0	0.2	277	28.4	28.4	8.1	8.1	22.6	22.6	74.2	74.2	5.1		8.0		3		87				<0.2		1.3	
						4.0	0.2	294	28.4		8.1		22.6		74.2		5.1		7.9		3		87				<0.2		1.3	
					Bottom	6.9	0.2	260	28.4	28.4	8.1	8.1	22.7	22.7	75.5	75.6	5.2	5.2	9.8		4		90				<0.2		1.3	
						6.9	0.2	265	28.4		8.1		22.7		75.6		5.2		9.8		4		91				<0.2		1.1	
IM10	Sunny	Moderate	09:52	7.7	Surface	1.0	0.6	319	28.8	28.8	8.1	8.1	19.9	19.9	83.1	83.1	5.8	5.4	1.5	4.4	3	3	83	87	822406	809797	<0.2	<0.2	1.3	1.3
						1.0	0.6	324	28.8		8.1		19.9		83.1		5.8		1.5		3		83				<0.2		1.3	
					Middle	3.9	0.5	307	28.3	28.3	8.1	8.1	23.3	23.3	72.9	72.9	5.0		5.4		3		87				<0.2		1.3	
						3.9	0.5	323	28.3		8.1		23.3		72.8		5.0		5.4		3		87				<0.2		1.2	
					Bottom	6.7	0.2	297	28.2	28.2	8.1	8.1	23.8	23.8	70.6	70.6	4.8	4.8	6.2		2		90				<0.2		1.3	
						6.7	0.2	323	28.2		8.1		23.8		70.6		4.8		6.3		2		91				<0.2		1.3	
IM11	Sunny	Moderate	09:42	8.6	Surface	1.0	0.4	300	28.5	28.5	8.1	8.1	20.5	20.5	82.2	82.2	5.7	5.6	2.8	5.6	<2	3	84	87	822070	811449	<0.2	<0.2	1.4	1.4
						1.0	0.4	322	28.5		8.1		20.5		82.1		5.7		2.8		<2		83				<0.2		1.4	
					Middle	4.3	0.4	305	28.4	28.4	8.1	8.1	22.0	22.0	78.2	78.2	5.4		4.4		3		87				<0.2		1.3	
						4.3	0.5	325	28.4		8.1		22.0		78.1		5.4		4.5		2		87				<0.2		1.3	
					Bottom	7.6	0.2	289	28.0	28.0	8.1	8.1	25.1	25.1	67.2	67.2	4.6	4.6	9.4		4		90				<0.2		1.3	
						7.6	0.2	293	28.0		8.1		25.1		67.2		4.6		9.4		5		91				<0.2		1.4	
IM12	Sunny	Moderate	09:36	7.4	Surface	1.0	0.1	187	28.5	28.5	8.1	8.1	21.5	21.5	79.3	79.3	5.5	5.5	2.1	3.6	2	2	83	87	821473	812043	<0.2	<0.2	1.5	1.4
						1.0	0.1	188	28.4		8.1		21.5		79.2		5.5		2.1		3		83				<0.2		1.5	
					Middle	3.7	0.1	221	28.4	28.4	8.1	8.1	22.8	22.8	78.1	78.1	5.4		2.3		2		86				<0.2		1.3	
						3.7	0.1	228	28.4		8.1		22.8		78.1		5.4		2.3		2		87				<0.2		1.5	
					Bottom	6.4	0.1	183	28.2	28.2	8.1	8.1	24.0	24.0	74.6	74.6	5.1	5.1	6.3		<2		90				<0.2		1.4	
						6.4	0.1	199	28.2		8.1		24.0		74.5		5.1		6.4		<2		91				<0.2		1.4	
SR1A	Fine	Moderate	08:53	4.6	Surface	1.0	-	-	28.8	28.8	8.1	8.1	19.7	19.7	83.9	83.9	5.8	5.8	1.3	2.9	4	3	-	-	819974	812663	-	-	-	-
						1.0	-	-	28.8		8.1		19.7		83.9		5.8		1.3		4		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	28.5	28.5	8.0	8.0	21.7	21.7	76.2	76.2	5.2	5.2	4.4		2		-				-		-	
						3.6	-	-	28.5		8.0		21.7		76.2		5.2		4.4		3		-				-		-	
SR2	Fine	Moderate	08:39	4.4	Surface	1.0	0.1	206	28.7	28.7	8.1	8.1	19.4	19.4	83.9	83.9	5.8	5.8	1.7	2.3	3	3	83	85	821445	814168	<0.2	<0.2	1.4	1.4
						1.0	0.1	223	28.7		8.1		19.4		83.9		5.8		1.7		2		83				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	204	28.3	28.3	8.1	8.1	22.2	22.3	78.0	78.0	5.4	5.4	3.0		3		87				<0.2		1.3	
						3.4	0.1	220	28.3		8.1		22.3		77.9		5.4		3.0		2		87				<0.2		1.4	
SR3	Sunny	Moderate	10:13	9.6	Surface	1.0	0.1	0	28.6	28.6	8.1	8.1	19.5	19.5	86.9	86.9	6.1	5.8	2.0	2.2	4	4	-	-	822156	807593	-	-	-	-
						1.0	0.1	0	28.6		8.1		19.5		86.9		6.0		2.0		4		-				-		-	
					Middle	4.8	0.1	23	28.5	28.5	8.1	8.1	21.2	21.2	79.5	79.5	5.5		2.2		4		-				-		-	
						4.8	0.1	24	28.5		8.1		21.3		79.5		5.5		2.2		4		-				-		-	
					Bottom	8.6	0.2	42	28.4	28.4	8.1	8.1	22.1	22.1	80.0	80.0	5.5	5.5	2.4		3		-				-		-	
						8.6	0.2	45	28.4		8.1		22.1		80.0		5.5		2.4		3		-				-		-	
SR4A	Cloudy	Moderate	08:37	8.7	Surface	1.0	0.4	100	29.1	29.1	8.0	8.0	19.4	19.4	82.3	82.3	5.7	5.2	6.0	9.9	<2	<2	-	-	817185	807786	-	-	-	-
						1.0	0.4	101	29.1		8.0		19.4		82.2		5.7		5.8		<2		-				-		-	
					Middle	4.4	0.3	116	27.0	27.0	8.1	8.1	33.9	33.9	70.4	70.4	4.6		10.8		<2		-				-		-	
						4.4	0.3	125	27.0		8.1		33.9		70.4		4.6		11.1		<2		-				-		-	
					Bottom	7.7	0.3	88	27.0	27.0	8.0	8.0	34.1	34.1	61.5	61.5	4.0	4.0	12.8		<2		-				-		-	
						7.7	0.3	93	27.0		8.0		34.1		61.5		4.0		12.8		<2		-				-		-	
SR5A	Cloudy	Moderate	08:18	3.8	Surface	1.0	0.0	284	29.5	29.5	8.1	8.1	18.1	18.1	90.9	90.7	6.3	6.3	4.0	6.2	4	3	-	-	816586	810680	-	-	-	-
						1.0	0.0	303	29.4		8.1		18.1		90.5		6.2		4.0		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	301	29.0	29.0	7.9	7.9	24.7	24.7	73.0	73.2	4.9	4.9	8.3		2		-				-		-	
						2.8	0.0	324	29.0		7.9		24.7		73.3		4.9		8.3		3		-				-		-	
SR6A	Cloudy	Moderate	07:50	4.5	Surface	1.0	0.1	80	29.4	29.4	8.1	8.1	20.4	20.4	80.2	80.1	5.5	5.5	4.2	7.0	4	3	-	-	817975	814732	-	-	-	-
						1.0	0.1	83	29.3		8.1		20.4		80.0		5.5		4.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	73	28.5	28.5	8.1	8.1	27.9	28.0	69.0	69.0	4.6	4.6	9.5		3		-				-		-	
						3.5	0.1	73	28.5		8.1		28.0		69.0		4.6		9.9		2		-				-		-	
SR7	Fine	Moderate	07:44	14.2	Surface	1.0	0.0	206	28.2	28.2	8.1	8.1	22.9	22.9	84.0	84.0	5.8	5.6	1.6	2.7	<2	<2	-	-	823641	823730	-	-	-	-
						1.0	0.0	221	28.2		8.1		22.9		84.0		5.8		1.5		<2		-				-		-	
					Middle	7.1	0.1	245	28.0	28.0	8.1	8.1	24.0	24.0	77.2	77.1	5.3		3.3		<2		-				-		-	
						7.1	0.1	267	28.0		8.1		24.0		77.0		5.3		3.4		<2		-				-		-	
					Bottom	13.2	0.0	199	27.5	27.5	8.1	8.1	28.5	28.5	65.6	65.6	4.4	4.4	3.1		<2		-				-		-	
						13.2	0.0	215	27.5		8.1		28.5		65.6		4.4		3.1		<2		-				-		-	
SR8	Fine	Moderate	09:26	5.2	Surface	1.0	-	-	28.6	28.6	8.1	8.1	21.3	21.3	78.9	78.9	5.4	5.4	3.0	3.3	2	2	-	-	820387	811612	-	-	-	-
						1.0	-	-	28.6		8.1		21.3		78.9		5.4		3.0		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.4	28.4	8.1	8.1	22.4	22.4	77.2	77.3	5.3	5.3	3.5		<2		-				-		-	
						4.2	-	-	28.4		8.1		22.4		77.3		5.3		3.5		<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 17 June 21 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	17:17	8.4	Surface	1.0	0.2	267	29.7	29.7	8.1	8.1	21.3	21.3	125.1	124.7	8.5	7.4	2.5	6.2	5	6	85	88	815635	804246	<0.2	<0.2	2.1	1.8
						1.0	0.2	289	29.6		8.1		21.3		124.3		8.4		2.5		6		87						2.1	
					Middle	4.2	0.3	255	28.6	28.6	8.0	8.0	22.0	22.1	95.7	93.1	6.6		2.7		6		88				<0.2		1.2	
						4.2	0.3	269	28.5		8.0		22.2		90.5		6.2		3.0		5		88				<0.2		1.2	
					Bottom	7.4	0.1	216	28.2	28.2	8.0	8.0	30.4	30.3	73.4	73.5	4.8	4.9	13.5		5		90				<0.2		1.9	
						7.4	0.1	227	28.2		8.0		30.3		73.6		4.9		13.2		6		90				<0.2		2.0	
C2	Fine	Calm	16:09	13.0	Surface	1.0	0.3	94	30.0	30.0	8.3	8.3	16.4	16.4	121.4	121.4	8.4	7.2	3.5	4.4	3	4	88	91	825661	806951	<0.2	<0.2	1.3	1.2
						1.0	0.3	98	29.9		8.3		16.4		121.3		8.4		3.6		4		88				<0.2		1.2	
					Middle	6.5	0.1	108	28.6	28.6	8.1	8.1	21.3	21.3	87.5	87.2	6.0		4.0		4		91				<0.2		1.2	
						6.5	0.1	117	28.6		8.1		21.3		86.9		6.0		4.1		3		91				<0.2		1.2	
					Bottom	12.0	0.0	250	28.7	28.8	8.1	8.1	24.1	24.1	79.4	79.9	5.4	5.4	5.6		5		94				<0.2		1.2	
						12.0	0.0	271	28.8		8.1		24.1		80.3		5.4		5.6		5		94				<0.2		1.2	
C3	Fine	Calm	18:07	12.4	Surface	1.0	0.4	70	29.8	29.8	8.3	8.3	20.3	20.4	114.5	114.4	7.8	7.2	5.7	6.0	3	4	87	90	822087	817820	<0.2	<0.2	1.2	1.2
						1.0	0.4	74	29.7		8.3		20.5		114.2		7.8		5.7		4		88				<0.2		1.2	
					Middle	6.2	0.3	79	28.4	28.4	8.1	8.1	21.9	21.9	96.1	95.5	6.6		6.1		5		88				<0.2		1.2	
						6.2	0.3	84	28.4		8.1		21.9		94.8		6.5		6.1		4		88				<0.2		1.3	
					Bottom	11.4	0.3	56	28.6	28.6	8.1	8.1	27.1	27.0	83.9	86.4	5.6	5.8	6.4		4		93				<0.2		1.1	
						11.4	0.3	59	28.6		8.1		26.9		88.8		5.9		6.3		5		93				<0.2		1.1	
IM1	Sunny	Moderate	16:58	5.4	Surface	1.0	0.1	80	29.8	29.8	8.0	8.0	19.7	19.7	126.6	126.5	8.6	8.6	1.0	0.9	2	3	87	89	817962	807137	<0.2	<0.2	1.6	1.7
						1.0	0.1	81	29.7		8.0		19.8		126.4		8.6		0.9		3		88				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	147	29.7	29.8	7.9	7.9	19.8	19.8	119.8	119.9	8.2	8.2	0.9		3		90				<0.2		1.8	
						4.4	0.1	156	29.8		7.9		19.8		120.0		8.2		0.9		4		90				<0.2		1.7	
IM2	Sunny	Moderate	16:50	7.2	Surface	1.0	0.2	276	29.8	29.8	8.0	8.0	20.3	20.3	119.8	119.6	8.1	7.5	1.7	5.6	7	6	85	88	818168	806189	<0.2	<0.2	1.6	1.8
						1.0	0.2	301	29.7		8.0		20.3		119.4		8.1		1.8		8		84				<0.2		1.6	
					Middle	3.6	0.0	122	28.9	28.9	7.9	7.9	20.8	20.8	102.1	101.2	7.0		1.7		5		89				<0.2		1.8	
						3.6	0.0	124	28.8		7.9		20.8		100.2		6.9		1.5		6		89				<0.2		1.8	
					Bottom	6.2	0.1	141	28.6	28.6	7.9	7.9	26.5	26.4	74.8	74.9	5.0	5.0	13.1		5		90				<0.2		1.8	
						6.2	0.1	149	28.6		7.9		26.4		74.9		5.0		13.6		6		90				<0.2		1.9	
IM3	Sunny	Moderate	16:42	7.7	Surface	1.0	0.1	356	29.9	29.9	8.0	8.0	20.4	20.4	123.0	122.9	8.3	7.4	1.5	7.5	4	5	87	89	818791	805582	<0.2	<0.2	1.1	1.3
						1.0	0.1	328	29.9		8.0		20.4		122.8		8.3		1.5		5		87				<0.2		1.2	
					Middle	3.9	0.0	33	28.9	28.9	7.9	7.9	21.1	21.1	99.3	95.7	6.8		9.9		6		89				<0.2		1.3	
						3.9	0.0	35	28.8		7.9		21.2		92.0		6.3		9.3		6		90				<0.2		1.4	
					Bottom	6.7	0.2	98	28.7	28.7	7.9	7.9	26.0	26.0	79.1	81.1	5.3	5.5	11.1		6		90				<0.2		1.4	
						6.7	0.2	104	28.7		7.9		26.0		83.1		5.6		11.8		5		90				<0.2		1.5	
IM4	Sunny	Moderate	16:32	7.8	Surface	1.0	0.4	334	29.9	29.9	8.0	8.0	20.1	20.1	114.9	114.6	7.8	6.4	4.0	9.6	7	6	86	89	819726	804590	<0.2	<0.2	1.9	1.6
						1.0	0.4	357	29.9		8.0		20.1		114.3		7.8		4.5		8		87				<0.2		1.8	
					Middle	3.9	0.2	330	28.5	28.5	8.0	8.0	25.8	25.8	74.7	74.6	5.0		8.9		4		89				<0.2		1.8	
						3.9	0.3	357	28.5		8.0		25.8		74.5		5.0		9.1		5		89				<0.2		1.8	
					Bottom	6.8	0.2	107	28.4	28.4	7.9	7.9	27.9	27.9	73.0	73.0	4.9	4.9	15.8		5		90				<0.2		1.1	
						6.8	0.2	114	28.4		7.9		27.9		73.0		4.9		15.3		4		90				<0.2		1.1	
IM5	Sunny	Moderate	16:23	8.4	Surface	1.0	0.2	349	29.7	29.7	8.0	7.9	19.9	19.9	116.6	116.2	7.9	7.1	2.6	8.1	3	4	86	88	820745	804868	<0.2	<0.2	1.8	1.7
						1.0	0.2	321	29.7		7.9		19.9		115.8		7.9		2.9		3		85				<0.2		1.8	
					Middle	4.2	0.1	301	28.9	28.9	7.9	7.9	22.3	22.4	93.9	93.4	6.4		7.8		4		89				<0.2		1.6	
						4.2	0.1	304	28.8		7.9		22.4		92.9		6.3		8.4		5		89				<0.2		1.4	
					Bottom	7.4	0.1	83	28.6	28.6	7.9	7.9	27.0	27.0	76.6	76.8	5.1	5.1	14.0		4		90				<0.2		1.7	
						7.4	0.2	84	28.6		7.9		27.0		76.9		5.1		13.2		5		91				<0.2		1.8	
IM6	Sunny	Moderate	16:15	8.1	Surface	1.0	0.2	270	29.6	29.6	7.9	7.9	19.7	19.7	100.3	100.2	6.9	6.5	2.8	7.5	4	5	85	88	821064	805829	<0.2	<0.2	1.5	1.6
						1.0	0.2	273	29.6		7.9		19.7		100.1		6.8		3.0		4		86				<0.2		1.4	
					Middle	4.1	0.2	267	29.0	29.0	7.9	7.9	21.5	21.5	89.1	88.9	6.1		8.0		6		88				<0.2		1.8	
						4.1	0.2	278	28.9		7.9		21.6		88.6		6.1		8.4		5		89				<0.2		1.9	
					Bottom	7.1	0.2	119	28.7	28.7	7.9	7.9	26.3	26.3	77.3	77.6	5.2	5.2	11.4		5		89				<0.2		1.5	
						7.1	0.2	123	28.7		7.9		26.3		77.9		5.2		11.4		5		90				<0.2		1.7	
IM7	Sunny	Moderate	16:07	8.4	Surface	1.0	0.2	241	29.7	29.7	8.0	8.0	19.3	19.3	100.6	100.5	6.9	6.7	1.8	5.2	5	5	85	88	821336	806814	<0.2	<0.2	1.7	1.3
						1.0	0.2	250	29.7		8.0		19.3		100.3		6.9		2.0		5		86				<0.2		1.8	
					Middle	4.2	0.3	211	29.1	29.1	8.1	8.1	22.1	22.2	95.7	94.4	6.5		5.4		5		88				<0.2		1.0	
						4.2	0.3	225	29.0		8.1		22.3		93.1		6.3		6.0		4		89				<0.2		1.1	
					Bottom	7.4	0.2	50	28.6	28.6	8.1	8.1	26.5	26.5	73.6	73.8	4.9	5.0	7.9		4		90				<0.2		1.3	
						7.4	0.2	50	28.6		8.1		26.5		74.0		5.0		8.0		5		90				<0.2		1.1	
IM8	Fine	Calm	16:37	8.2	Surface	1.0	0.2	61	29.9	29.9	8.3	8.3	19.3	19.3	122.8	122.6	8.4	7.9	4.3	5.2	6	5	86	89	821823	808156	<0.2	<0.2	1.0	0.9
						1.0	0.2	63	29.9		8.3		19.3		122.3		8.3		4.3		5		86				<0.2		0.9	
					Middle	4.1	0.3	71	29.2	29.2	8.2	8.2	21.0	21.0	107.9	107.4	7.4		5.2		6		89				<0.2		0.8	
						4.1	0.3	76	29.1		8.2		21.1		106.8		7.3		5.1		5		89				<0.2		1.0	
					Bottom	7.2	0.3	58	28.8	28.8	8.1	8.1	23.9	23.8	88.3	89.0	6.0	6.1	6.0		4		93				<0.2		0.9	
						7.2	0.3	61	28.8		8.1		23.8		89.6		6.1		6.0		4		93				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 June 21 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	Calm	16:42	7.6	Surface	1.0	0.4	81	29.3	29.3	8.2	8.2	19.6	19.6	108.7	108.3	7.5	6.9	3.5	4.7	3	4	87	90	822072	808795	<0.2	<0.2	0.9	0.9
						1.0	0.4	82	29.2		8.2		19.6		107.9		7.4		3.6		4		87				<0.2		0.9	
					Middle	3.8	0.3	93	29.0	29.0	8.1	8.1	21.2	21.2	93.5	93.7	6.4		4.9		5		91				<0.2		0.8	
						3.8	0.3	99	29.0		8.1		21.2		93.8		6.4		5.0		4		91				<0.2		1.0	
					Bottom	6.6	0.3	106	29.1	29.1	8.1	8.1	21.3	21.3	88.8	89.2	6.1	6.1	5.7		5		92				<0.2		0.9	
						6.6	0.3	114	29.1		8.1		21.3		89.6		6.1		5.7		4		92				<0.2		0.9	
IM10	Fine	Calm	16:48	8.6	Surface	1.0	0.6	113	29.4	29.4	8.3	8.3	20.1	20.1	117.7	117.2	8.1	6.9	5.0	5.6	3	3	86	90	822407	809791	<0.2	<0.2	1.1	0.9
						1.0	0.6	117	29.3		8.3		20.1		116.6		8.0		5.0		2		87				<0.2		1.0	
					Middle	4.3	0.6	113	28.7	28.7	8.0	8.0	21.2	21.2	83.0	82.7	5.7		5.0		3		91				<0.2		0.9	
						4.3	0.7	113	28.7		8.0		21.1		82.3		5.7		5.1		2		91				<0.2		0.9	
					Bottom	7.6	0.5	112	28.6	28.6	8.0	8.0	23.3	23.3	83.6	84.2	5.7	5.8	6.7		4		93				<0.2		0.8	
						7.6	0.5	112	28.6		8.0		23.2		84.8		5.8		6.6		5		93				<0.2		0.8	
IM11	Fine	Calm	16:58	9.0	Surface	1.0	0.5	116	29.3	29.3	8.2	8.2	19.8	19.9	106.8	106.5	7.3	6.7	4.7	5.2	4	3	87	90	822064	811440	<0.2	<0.2	0.9	0.9
						1.0	0.5	124	29.2		8.2		19.9		106.2		7.3		4.7		3		87				<0.2		0.9	
					Middle	4.5	0.4	129	28.6	28.6	8.1	8.1	21.8	21.7	90.9	90.2	6.2		5.0		2		90				<0.2		0.9	
						4.5	0.4	139	28.6		8.1		21.6		89.4		6.1		5.0		3		90				<0.2		0.8	
					Bottom	8.0	0.2	101	28.7	28.7	8.1	8.1	24.0	23.9	82.0	82.3	5.6	5.6	5.9		2		92				<0.2		0.9	
						8.0	0.2	104	28.7		8.1		23.9		82.5		5.6		6.1		3		92				<0.2		1.0	
IM12	Fine	Calm	17:05	9.6	Surface	1.0	0.5	121	29.2	29.1	8.2	8.2	19.3	19.3	107.2	106.3	7.4	6.7	4.0	4.7	4	4	86	87	821470	812048	<0.2	<0.2	0.9	0.9
						1.0	0.5	122	29.0		8.2		19.4		105.4		7.3		3.9		4		86				<0.2		0.8	
					Middle	4.8	0.3	121	28.7	28.7	8.1	8.1	22.7	22.6	88.7	88.9	6.1		4.9		4		87				<0.2		0.9	
						4.8	0.3	132	28.7		8.1		22.6		89.1		6.1		4.9		4		87				<0.2		0.8	
					Bottom	8.6	0.4	83	28.7	28.7	8.1	8.1	24.2	24.1	87.4	88.2	5.9	6.0	5.3		4		88				<0.2		0.8	
						8.6	0.4	87	28.7		8.1		24.1		89.0		6.0		5.4		3		88				<0.2		0.9	
SR1A	Fine	Calm	17:33	4.0	Surface	1.0	-	-	29.7	29.7	8.2	8.2	20.1	20.1	113.0	112.8	7.7	7.7	3.2	3.3	4	5	-	-	819977	812665	-	-	-	-
						1.0	-	-	29.7		8.2		20.2		112.6		7.7		3.2		5		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	29.3	29.3	8.1	8.1	20.7	20.6	102.7	103.7	7.0	7.1	3.4		6		-				-		-	
						3.0	-	-	29.3		8.1		20.6		104.7		7.2		3.4		5		-				-		-	
SR2	Fine	Calm	17:48	5.0	Surface	1.0	0.4	101	29.7	29.7	8.2	8.2	19.6	19.7	116.6	114.9	8.0	7.9	6.0	6.4	4	4	90	91	821440	814160	<0.2	<0.2	0.9	0.9
						1.0	0.5	103	29.7		8.2		19.7		113.1		7.7		6.0		3		90				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	92	29.5	29.5	8.2	8.2	19.9	19.9	112.1	112.1	7.7	7.7	6.8		5		92				<0.2		1.0	
						4.0	0.3	95	29.4		8.2		20.0		112.1		7.7		6.8		5		92				<0.2		0.8	
SR3	Fine	Calm	16:30	9.4	Surface	1.0	0.4	178	29.4	29.4	8.3	8.3	19.3	19.4	113.2	112.2	7.8	7.1	4.0	5.2	4	5	-	-	822125	807583	-	-	-	-
						1.0	0.4	188	29.3		8.3		19.4		111.1		7.7		4.0		4		-				-		-	
					Middle	4.7	0.3	190	29.0	29.0	8.1	8.1	21.4	21.4	96.6	95.2	6.6		5.3		6		-				-		-	
						4.7	0.3	192	28.9		8.1		21.4		93.8		6.4		5.4		5		-				-		-	
					Bottom	8.4	0.2	131	29.1	29.1	8.1	8.1	25.0	24.9	91.1	92.0	6.1	6.2	6.2		6		-				-		-	
						8.4	0.2	134	29.1		8.1		24.9		92.8		6.2		6.2		6		-				-		-	
SR4A	Sunny	Moderate	17:38	8.6	Surface	1.0	0.3	110	29.6	29.6	8.0	8.0	20.2	20.2	112.4	112.2	7.7	7.1	2.2	7.4	5	5	-	-	817192	807803	-	-	-	-
						1.0	0.3	115	29.5		8.0		20.2		112.0		7.6		2.3		4		-				-		-	
					Middle	4.3	0.1	104	29.0	29.0	7.9	7.9	21.0	21.0	96.7	96.0	6.6		7.7		5		-				-		-	
						4.3	0.1	106	28.9		7.9		21.0		95.3		6.5		8.5		4		-				-		-	
					Bottom	7.6	0.1	79	28.7	28.7	7.9	7.9	26.1	26.1	74.5	74.6	5.0	5.0	11.9		5		-				-		-	
						7.6	0.1	81	28.7		7.9		26.1		74.7		5.0		11.9		4		-				-		-	
SR5A	Sunny	Moderate	17:53	3.8	Surface	1.0	0.0	287	30.1	30.1	7.9	7.9	20.8	20.8	117.0	116.9	7.9	7.9	5.4	5.6	6	6	-	-	816572	810678	-	-	-	-
						1.0	0.0	288	30.0		7.9		20.8		116.8		7.9		5.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	162	29.9	29.9	7.9	7.9	21.0	21.0	116.0	115.9	7.8	7.8	5.8		6		-				-		-	
						2.8	0.1	165	29.8		7.9		21.0		115.8		7.8		5.9		5		-				-		-	
SR6A	Sunny	Moderate	18:31	4.7	Surface	1.0	0.1	76	29.3	29.3	7.9	7.9	20.5	20.5	96.0	95.9	6.6	6.6	5.9	6.9	9	7	-	-	817959	814751	-	-	-	-
						1.0	0.1	76	29.3		7.9		20.5		95.8		6.6		6.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	283	29.0	29.0	7.9	7.9	21.8	21.8	80.4	80.4	5.5	5.5	7.8		6		-				-		-	
						3.7	0.0	304	29.0		7.9		21.8		80.4		5.5		7.8		5		-				-		-	
SR7	Fine	Calm	18:30	15.2	Surface	1.0	0.5	101	29.9	29.9	8.3	8.3	20.1	20.2	115.1	115.0	7.8	7.3	4.6	5.4	4	4	-	-	823622	823751	-	-	-	-
						1.0	0.5	103	29.9		8.3		20.2		114.8		7.8		4.6		5		-				-		-	
					Middle	7.6	0.1	63	28.7	28.6	8.1	8.1	21.8	21.8	98.4	97.9	6.8		5.1		4		-				-		-	
						7.6	0.1	63	28.5		8.1		21.8		97.3		6.7		5.1		5		-				-		-	
					Bottom	14.2	0.3	105	28.5	28.5	8.1	8.1	27.3	27.2	82.1	82.4	5.5	5.5	6.5		4		-				-		-	
						14.2	0.4	109	28.5		8.1		27.2		82.7		5.5		6.5		3		-				-		-	
SR8	Fine	Calm	17:13	3.6	Surface	1.0	-	-	29.7	29.7	8.1	8.1	20.6	20.6	100.7	100.8	6.8	6.9	4.1	4.3	4	5	-	-	820393	811626	-	-	-	-
						1.0	-	-	29.7		8.1		20.6		100.9		6.9		4.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	29.5	29.5	8.1	8.1	20.8	20.8	101.0	101.2	6.9	6.9	4.5		5		-				-		-	
						2.6	-	-	29.5		8.1		20.8		101.3		6.9		4.5		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 17 June 21 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	11:12	8.2	Surface	1.0	0.5	57	29.5	29.5	8.0	8.0	19.8	19.8	105.7	105.5	7.2	6.5	1.9	4.2	4	5	86	87	815622	804227	<0.2	<0.2	1.6	1.3
						1.0	0.5	58	29.4		8.0		19.8		105.2		7.2		2.1		3		85				<0.2		1.6	
					Middle	4.1	0.2	63	29.0	29.0	7.9	7.9	22.2	22.2	84.9	84.9	5.8		2.7		6		87				<0.2		1.1	
						4.1	0.2	66	29.0		7.9		22.2		84.9		5.8		2.8		5		87				<0.2		1.2	
					Bottom	7.2	0.3	52	28.5	28.5	8.0	8.0	27.3	27.3	77.6	77.7	5.2	5.2	7.9		5		88				<0.2		1.3	
						7.2	0.3	55	28.5		8.0		27.3		77.7		5.2		7.9		6		90				<0.2		1.2	
C2	Fine	Calm	12:19	12.0	Surface	1.0	0.4	35	29.6	29.6	8.2	8.2	17.8	17.4	109.3	109.2	7.6	6.9	5.8	6.0	3	5	85	89	825679	806952	<0.2	<0.2	0.9	1.1
						1.0	0.5	37	29.5		8.2		17.0		109.1		7.6		5.7		4		86				<0.2		1.0	
					Middle	6.0	0.3	11	28.7	28.7	8.1	8.1	21.2	21.2	88.9	88.8	6.1		6.1		4		89				<0.2		1.2	
						6.0	0.3	11	28.7		8.1		21.2		88.7		6.1		6.1		4		89				<0.2		1.2	
					Bottom	11.0	0.3	356	28.9	29.0	8.1	8.1	23.5	23.4	80.5	80.8	5.4	5.5	6.2		6		91				<0.2		1.1	
						11.0	0.3	356	29.1		8.1		23.4		81.1		5.5		6.3		6		91				<0.2		1.2	
C3	Fine	Calm	10:19	12.0	Surface	1.0	0.3	288	28.9	28.9	8.1	8.1	19.1	19.1	96.6	96.4	6.7	6.3	2.6	3.7	4	4	83	86	822119	817823	<0.2	<0.2	1.2	1.2
						1.0	0.3	290	28.9		8.1		19.1		96.2		6.7		2.6		5		83				<0.2		1.2	
					Middle	6.0	0.4	268	28.2	28.2	8.1	8.1	23.0	23.1	85.5	84.6	5.9		3.8		5		86				<0.2		1.2	
						6.0	0.4	278	28.2		8.1		23.1		83.7		5.8		3.8		4		86				<0.2		1.2	
					Bottom	11.0	0.4	283	28.0	28.0	8.1	8.1	27.8	27.8	77.9	78.1	5.2	5.3	4.7		4		88				<0.2		1.2	
						11.0	0.4	284	28.0		8.1		27.8		78.3		5.3		4.7		3		88				<0.2		1.3	
IM1	Cloudy	Moderate	11:30	5.3	Surface	1.0	0.1	305	29.3	29.3	8.0	8.0	19.6	19.6	101.4	101.3	7.0	7.0	2.5	3.3	4	5	85	86	817971	807124	<0.2	<0.2	1.7	1.5
						1.0	0.1	325	29.3		8.0		19.6		101.1		6.9		2.6		5		86				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	208	29.1	29.1	8.0	8.0	21.7	21.7	89.7	89.9	6.1	6.1	4.1		5		88				<0.2		1.3	
						4.3	0.0	213	29.1		8.0		21.7		90.1		6.1		4.1		4		84				<0.2		1.3	
IM2	Cloudy	Moderate	11:38	7.2	Surface	1.0	0.2	354	29.4	29.4	7.9	7.9	20.5	20.5	95.1	95.0	6.5	6.2	2.6	6.0	4	4	86	87	818156	806159	<0.2	<0.2	1.7	2.0
						1.0	0.2	326	29.3		7.9		20.6		94.9		6.5		2.6		3		86				<0.2		1.8	
					Middle	3.6	0.1	315	28.9	28.9	7.9	7.9	21.6	21.6	84.6	84.6	5.8		5.5		4		87				<0.2		2.0	
						3.6	0.1	326	28.9		7.9		21.6		84.5		5.8		5.5		3		88				<0.2		1.9	
					Bottom	6.2	0.2	332	28.6	28.6	7.9	7.9	26.0	26.0	77.2	77.3	5.2	5.2	9.8		4		88				<0.2		2.2	
						6.2	0.2	346	28.6		7.9		26.0		77.4		5.2		9.8		4		89				<0.2		2.2	
IM3	Cloudy	Moderate	11:44	7.5	Surface	1.0	0.3	355	29.4	29.4	8.0	8.0	20.2	20.2	100.4	99.3	6.9	6.3	2.8	6.7	3	4	86	88	818802	805583	<0.2	<0.2	1.5	1.9
						1.0	0.3	327	29.4		8.0		20.3		98.1		6.7		3.0		4		85				<0.2		1.5	
					Middle	3.8	0.3	321	29.0	29.0	8.0	8.0	22.1	22.1	83.1	83.1	5.7		3.7		3		88				<0.2		2.0	
						3.8	0.3	327	29.0		8.0		22.1		83.1		5.7		3.7		4		88				<0.2		1.9	
					Bottom	6.5	0.2	315	28.6	28.6	8.0	8.0	26.2	26.2	77.3	77.5	5.2	5.2	13.4		3		89				<0.2		2.2	
						6.5	0.2	316	28.6		8.0		26.2		77.6		5.2		13.4		4		90				<0.2		2.1	
IM4	Cloudy	Moderate	11:55	8.0	Surface	1.0	0.5	6	29.4	29.4	8.1	8.1	19.7	19.7	107.5	107.3	7.4	6.5	2.3	5.5	4	4	85	88	819736	804595	<0.2	<0.2	2.2	2.1
						1.0	0.5	6	29.4		8.1		19.8		107.1		7.3		2.4		4		86				<0.2		2.1	
					Middle	4.0	0.6	324	28.8	28.8	8.1	8.1	23.8	23.8	82.0	81.9	5.6		5.1		3		88				<0.2		1.9	
						4.0	0.6	335	28.7		8.1		23.8		81.8		5.5		5.3		4		88				<0.2		1.9	
					Bottom	7.0	0.3	0	28.6	28.6	8.1	8.1	26.5	26.5	77.6	77.8	5.2	5.2	9.0		4		89				<0.2		2.0	
						7.0	0.3	0	28.6		8.1		26.5		77.9		5.2		9.1		3		89				<0.2		2.2	
IM5	Cloudy	Moderate	12:03	8.2	Surface	1.0	0.6	15	29.6	29.6	8.1	8.1	20.6	20.7	101.9	101.7	6.9	6.6	2.5	8.4	3	3	86	87	820718	804860	<0.2	<0.2	2.2	2.2
						1.0	0.6	15	29.5		8.1		20.7		101.4		6.9		2.6		3		85				<0.2		2.2	
					Middle	4.1	0.6	12	29.1	29.1	8.1	8.1	21.1	21.2	92.1	92.0	6.3		13.2		3		87				<0.2		2.2	
						4.1	0.7	12	29.0		8.1		21.2		91.9		6.3		13.3		2		88				<0.2		2.2	
					Bottom	7.2	0.3	49	28.6	28.6	8.1	8.1	26.9	26.9	76.5	76.7	5.1	5.1	9.6		2		88				<0.2		2.1	
						7.2	0.3	50	28.6		8.1		26.9		76.8		5.1		9.2		3		89				<0.2		2.0	
IM6	Cloudy	Moderate	12:10	8.0	Surface	1.0	0.3	269	29.1	29.1	8.1	8.1	20.5	20.6	104.4	103.8	7.2	6.1	6.0	10.7	3	3	85	87	821067	805820	<0.2	<0.2	1.6	1.6
						1.0	0.3	288	29.1		8.1		20.6		103.1		7.1		6.6		4		85				<0.2		1.6	
					Middle	4.0	0.1	291	28.6	28.6	8.1	8.1	26.6	26.7	76.8	76.8	5.1		12.2		2		87				<0.2		1.6	
						4.0	0.1	294	28.6		8.1		26.7		76.7		5.1		12.4		3		87				<0.2		1.5	
					Bottom	7.0	0.1	32	28.5	28.5	8.1	8.1	27.1	27.1	78.5	78.9	5.2	5.3	13.5		3		87				<0.2		1.5	
						7.0	0.1	33	28.5		8.1		27.1		79.2		5.3		13.4		2		88				<0.2		1.7	
IM7	Cloudy	Moderate	12:19	8.3	Surface	1.0	0.1	251	29.6	29.6	8.0	8.0	19.5	19.5	97.5	97.4	6.7	6.4	2.7	8.3	3	3	86	87	821372	806837	<0.2	<0.2	1.7	1.9
						1.0	0.1	259	29.6		8.0		19.5		97.2		6.7		3.0		3		85				<0.2		1.8	
					Middle	4.2	0.1	133	29.2	29.2	7.9	7.9	20.1	20.1	88.9	88.5	6.1		8.4		3		88				<0.2		2.1	
						4.2	0.1	135	29.2		7.9		20.1		88.0		6.0		9.1		3		87				<0.2		2.0	
					Bottom	7.3	0.2	72	29.1	29.1	7.9	7.9	23.2	23.2	81.2	81.3	5.5	5.5	13.2		3		88				<0.2		1.9	
						7.3	0.2	72	29.1		7.9		23.2		81.4		5.5		13.3		2		89				<0.2		1.8	
IM8	Fine	Calm	11:55	8.0	Surface	1.0	0.1	359	29.4	29.4	8.1	8.1	18.4	18.4	107.0	106.7	7.4	6.9	5.1	5.8	<2	<2	86	90	821846	808126	<0.2	<0.2	1.1	1.1
						1.0	0.1	330	29.3		8.1		18.4		106.4		7.4		5.1		<2		86				<0.2		1.0	
					Middle	4.0	0.1	304	29.0	29.0	8.1	8.1	20.4	20.4	93.7	93.7	6.4		6.1		<2		91				<0.2		1.2	
						4.0	0.1	322	29.0		8.1		20.4		93.7		6.4		6.1		<2		91				<0.2		1.3	
					Bottom	7.0	0.1	142	29.1	29.1	8.1	8.1	20.5	20.5	94.1	94.3	6.5	6.5	6.3		<2		92				<0.2		1.1	
						7.0	0.1	143	29.1		8.1		20.5		94.5		6.5		6.3		<2		92				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 June 21 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	Calm	11:48	7.6	Surface	1.0	0.1	96	29.2	29.2	8.1	8.1	19.0	19.0	97.8	97.2	6.8	6.4	4.2	5.6	3	3	86	89	822110	808831	<0.2	<0.2	1.3	1.3
						1.0	0.1	100	29.1		8.1		19.0		96.6		6.7		4.2		4		86				<0.2		1.3	
					Middle	3.8	0.0	323	29.0	29.0	8.1	8.1	20.7	20.7	87.1	87.1	6.0		5.8		4		89				<0.2		1.2	
						3.8	0.0	330	29.0		8.1		20.7		87.1		6.0		5.8		3		89				<0.2		1.3	
					Bottom	6.6	0.1	315	28.9	28.9	8.0	8.0	21.3	21.3	87.9	88.5	6.0	6.1	6.8		<2		91				<0.2		1.1	
						6.6	0.1	342	28.9		8.0		21.3		89.0		6.1		6.8		<2		91				<0.2		1.3	
IM10	Fine	Calm	11:41	8.8	Surface	1.0	0.5	347	28.8	28.8	8.1	8.1	19.1	19.2	94.7	93.3	6.6	6.1	4.3	5.6	3	4	83	87	822386	809771	<0.2	<0.2	1.1	1.1
						1.0	0.6	319	28.8		8.1		19.2		91.8		6.4		4.4		4		83				<0.2		1.2	
					Middle	4.4	0.5	331	28.7	28.7	8.1	8.1	22.6	22.7	83.2	83.2	5.7		5.8		7		88				<0.2		1.0	
						4.4	0.5	305	28.7		8.1		22.7		83.2		5.7		5.8		3		88				<0.2		1.0	
					Bottom	7.8	0.4	314	28.8	28.8	8.1	8.1	22.8	22.8	85.1	85.5	5.8	5.8	6.7		3		90				<0.2		1.0	
						7.8	0.4	341	28.8		8.1		22.8		85.8		5.8		6.6		3		90				<0.2		1.1	
IM11	Fine	Calm	11:30	8.0	Surface	1.0	0.3	318	29.1	29.1	8.1	8.1	18.8	18.8	98.0	97.8	6.8	6.3	5.0	5.7	4	4	84	85	822052	811477	<0.2	<0.2	1.2	1.1
						1.0	0.3	319	29.0		8.1		18.8		97.5		6.8		5.0		7		84				<0.2		1.2	
					Middle	4.0	0.4	314	28.5	28.5	8.1	8.1	21.4	21.4	85.0	84.8	5.9		5.8		3		85				<0.2		1.1	
						4.0	0.4	334	28.5		8.1		21.4		84.6		5.8		5.8		3		85				<0.2		1.1	
					Bottom	7.0	0.3	297	28.7	28.7	8.1	8.1	24.8	24.7	81.7	82.1	5.5	5.6	6.4		3		86				<0.2		1.0	
						7.0	0.3	305	28.7		8.1		24.7		82.4		5.6		6.4		3		86				<0.2		1.2	
IM12	Fine	Calm	11:24	9.4	Surface	1.0	0.4	272	29.2	29.2	8.1	8.1	18.3	18.3	100.4	100.3	7.0	6.7	3.6	5.0	4	3	84	86	821475	812060	<0.2	<0.2	1.2	1.1
						1.0	0.4	280	29.2		8.1		18.3		100.2		7.0		3.5		3		84				<0.2		1.1	
					Middle	4.7	0.5	273	28.6	28.6	8.1	8.1	21.2	21.2	92.2	92.1	6.4		5.2		3		85				<0.2		1.1	
						4.7	0.6	297	28.6		8.1		21.1		91.9		6.3		5.2		2		85				<0.2		1.1	
					Bottom	8.4	0.1	210	28.5	28.5	8.0	8.0	25.4	25.3	80.9	81.5	5.5	5.5	6.3		2		88				<0.2		1.1	
						8.4	0.1	219	28.5		8.0		25.3		82.1		5.5		6.3		3		89				<0.2		1.1	
SR1A	Fine	Calm	10:54	4.0	Surface	1.0	-	-	29.4	29.4	8.1	8.1	18.4	18.4	100.3	100.3	6.9	6.9	3.1	3.1	2	3	-	-	819973	812663	-	-	-	-
						1.0	-	-	29.4		8.1		18.4		100.2		6.9		3.0		3		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	29.3	29.3	8.1	8.1	18.5	18.5	99.6	99.6	6.9	6.9	3.2		4		-				-		-	
						3.0	-	-	29.3		8.1		18.6		99.6		6.9		3.2		4		-				-		-	
SR2	Fine	Calm	10:40	4.6	Surface	1.0	0.1	14	29.1	29.1	8.1	8.1	18.9	18.9	97.2	97.1	6.7	6.7	4.9	5.2	4	3	85	86	821470	814163	<0.2	<0.2	1.2	1.2
						1.0	0.1	15	29.1		8.1		18.9		97.0		6.7		4.8		3		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	354	29.1	29.2	8.1	8.1	22.6	22.5	90.0	90.9	6.1	6.2	5.6		2		87				<0.2		1.2	
						3.6	0.2	326	29.2		8.1		22.5		91.8		6.2		5.6		3		87				<0.2		1.2	
SR3	Fine	Calm	12:00	9.4	Surface	1.0	0.2	356	29.4	29.4	8.1	8.1	18.3	18.3	106.3	106.2	7.3	7.0	3.7	4.4	3	2	-	-	822144	807582	-	-	-	-
						1.0	0.2	356	29.3		8.1		18.3		106.0		7.3		3.7		2		-				-		-	
					Middle	4.7	0.2	349	29.0	29.0	8.1	8.1	20.2	20.2	96.8	96.8	6.7		4.2		2		-				-		-	
						4.7	0.2	321	29.0		8.1		20.3		96.8		6.7		4.3		3		-				-		-	
					Bottom	8.4	0.2	30	29.0	29.0	8.1	8.1	20.7	20.7	92.0	92.0	6.3	6.3	5.1		<2		-				-		-	
						8.4	0.2	30	29.0		8.1		20.7		91.9		6.3		5.1		<2		-				-		-	
SR4A	Cloudy	Moderate	10:49	8.4	Surface	1.0	0.2	256	29.5	29.5	7.9	7.9	19.9	19.9	94.8	94.8	6.5	5.9	2.5	6.8	2	4	-	-	817200	807811	-	-	-	-
						1.0	0.2	265	29.5		7.9		19.9		94.7		6.5		2.5		3		-				-		-	
					Middle	4.2	0.1	277	28.9	28.9	7.9	7.9	24.1	24.1	78.8	78.8	5.3		6.6		4		-				-		-	
						4.2	0.1	292	28.9		7.9		24.1		78.7		5.3		6.6		5		-				-		-	
					Bottom	7.4	0.1	64	28.6	28.7	7.9	7.9	25.9	25.9	77.3	77.6	5.2	5.2	11.5		4		-				-		-	
						7.4	0.1	69	28.7		7.9		25.9		77.8		5.2		11.3		5		-				-		-	
SR5A	Cloudy	Moderate	10:32	3.9	Surface	1.0	0.1	276	29.2	29.2	7.8	7.8	21.2	21.2	93.3	93.2	6.4	6.4	2.5	2.9	3	3	-	-	816587	810672	-	-	-	-
						1.0	0.1	297	29.2		7.8		21.3		93.1		6.3		2.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	305	29.1	29.1	7.8	7.8	21.9	21.9	85.3	85.3	5.8	5.8	3.2		3		-				-		-	
						2.9	0.2	314	29.1		7.8		21.9		85.2		5.8		3.3		2		-				-		-	
SR6A	Cloudy	Moderate	10:05	4.7	Surface	1.0	0.1	52	29.3	29.3	8.1	8.1	19.4	19.5	89.5	89.4	6.2	6.2	7.6	10.3	3	4	-	-	817971	814760	-	-	-	-
						1.0	0.1	56	29.3		8.1		19.5		89.2		6.1		8.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	21	29.3	29.3	8.0	8.0	19.8	19.8	88.6	88.6	6.1	6.1	12.8		4		-				-		-	
						3.7	0.0	21	29.3		8.0		19.8		88.6		6.1		12.5		5		-				-		-	
SR7	Fine	Calm	09:45	19.0	Surface	1.0	0.1	260	28.7	28.7	8.1	8.1	20.8	20.8	95.4	95.1	6.6	5.9	1.4	2.1	4	3	-	-	823625	823746	-	-	-	-
						1.0	0.1	282	28.6		8.1		20.8		94.8		6.5		1.4		3		-				-		-	
					Middle	9.5	0.2	188	28.1	28.1	8.1	8.1	27.2	27.3	77.4	77.3	5.2		2.1		3		-				-		-	
						9.5	0.2	191	28.1		8.1		27.4		77.2		5.2		2.1		4		-				-		-	
					Bottom	18.0	0.1	54	28.1	28.1	8.1	8.1	28.1	28.1	77.1	77.2	5.2	5.2	2.8		3		-				-		-	
						18.0	0.1	54	28.1		8.1		28.1		77.3		5.2		2.8		3		-				-		-	
SR8	Fine	Calm	11:15	3.6	Surface	1.0	-	-	29.4	29.4	8.1	8.1	19.3	19.3	94.4	94.4	6.5	6.5	4.9	5.2	2	2	-	-	820396	811622	-	-	-	-
						1.0	-	-	29.4		8.1		19.3		94.3		6.5		4.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	29.2	29.2	8.1	8.1	19.4	19.4	94.4	94.5	6.5	6.5	5.4		2		-				-		-	
						2.6	-	-	29.2		8.1		19.4		94.6		6.5		5.5		2		-				-		-	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 19 June 21 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	08:50	7.8	Surface	1.0	0.4	243	29.6	29.6	8.1	8.1	19.1	19.1	106.2	106.1	7.3	6.7	3.9	5.9	12	10	86	88	815629	804252	<0.2	<0.2	1.5	1.4
						1.0	0.4	255	29.6		8.1		19.1		106.0		7.3		4.0		11		85				<0.2		1.6	
					Middle	3.9	0.4	232	29.2	29.2	8.0	8.0	21.9	22.0	90.7	90.6	6.2		4.3		10		87				<0.2		1.4	
						3.9	0.4	234	29.2		8.0		22.0		90.5		6.1		4.3		10		88				<0.2		1.3	
					Bottom	6.8	0.3	216	28.0	28.0	8.0	8.0	29.5	29.5	65.8	66.0	4.4	4.4	9.7		10		91				<0.2		1.4	
						6.8	0.3	221	28.0		8.0		29.5		66.1		4.4		9.3		9		91				<0.2		1.4	
C2	Fine	Rough	09:56	11.6	Surface	1.0	0.5	186	30.2	30.2	8.2	8.2	15.7	15.7	105.7	105.7	7.3	7.1	3.3	4.6	3	3	82	87	825705	806956	<0.2	<0.2	1.4	1.4
						1.0	0.5	193	30.2		8.2		15.7		105.6		7.3		3.3		2		83				<0.2		1.3	
					Middle	5.8	0.4	173	29.5	29.5	8.2	8.2	18.4	18.4	100.5	100.5	6.9		6.6		2		87				<0.2		1.4	
						5.8	0.4	184	29.5		8.2		18.3		100.5		6.9		6.5		3		87				<0.2		1.4	
					Bottom	10.6	0.2	161	28.9	28.9	8.1	8.1	24.1	24.1	83.4	83.4	5.6	5.6	4.1		3		90				<0.2		1.4	
						10.6	0.2	162	28.9		8.1		24.1		83.4		5.6		4.1		3		90				<0.2		1.5	
C3	Fine	Rough	07:30	11.9	Surface	1.0	0.3	79	29.3	29.3	8.3	8.3	21.7	21.7	110.0	110.0	7.5	7.3	2.1	2.6	5	4	83	87	822086	817784	<0.2	<0.2	1.1	1.1
						1.0	0.3	85	29.3		8.3		21.7		109.9		7.5		2.2		4		83				<0.2		1.1	
					Middle	6.0	0.1	83	29.1	29.1	8.3	8.3	22.6	22.5	105.4	105.4	7.2		2.9		4		87				<0.2		1.2	
						6.0	0.1	88	29.1		8.3		22.5		105.4		7.1		2.8		4		87				<0.2		1.1	
					Bottom	10.9	0.1	358	28.0	28.0	8.2	8.2	28.0	28.0	81.6	81.6	5.5	5.5	2.7		3		90				<0.2		1.1	
						10.9	0.1	329	28.0		8.2		28.0		81.5		5.5		2.8		3		90				<0.2		1.0	
IM1	Cloudy	Moderate	09:13	4.5	Surface	1.0	0.0	89	29.7	29.7	8.2	8.2	19.4	19.4	121.0	120.9	8.3	8.3	4.8	5.9	11	10	86	88	817947	807143	<0.2	<0.2	1.1	1.2
						1.0	0.0	95	29.7		8.2		19.4		120.7		8.2		4.8		10		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	125	29.5	29.5	8.1	8.1	21.0	21.0	103.9	104.0	7.1	7.1	7.0		8		89				<0.2		1.2	
						3.5	0.1	132	29.5		8.1		21.0		104.0		7.1		7.0		9		91				<0.2		1.3	
IM2	Cloudy	Moderate	09:22	6.5	Surface	1.0	0.2	19	29.6	29.6	8.0	8.0	19.3	19.3	109.5	109.5	7.5	6.3	3.7	5.8	9	11	86	88	818164	806144	<0.2	<0.2	1.3	1.2
						1.0	0.2	19	29.6		8.0		19.3		109.4		7.5		3.7		10		86				<0.2		1.2	
					Middle	3.3	0.2	100	28.9	28.9	8.0	8.0	26.3	26.3	75.7	75.9	5.0		6.1		10		87				<0.2		1.3	
						3.3	0.2	103	28.9		8.0		26.3		76.1		5.1		6.0		11		88				<0.2		1.2	
					Bottom	5.5	0.2	71	28.3	28.3	7.9	7.9	28.3	28.3	68.1	68.1	4.5	4.5	7.6		11		91				<0.2		1.2	
						5.5	0.2	77	28.3		7.9		28.3		68.1		4.5		7.6		12		91				<0.2		1.2	
IM3	Cloudy	Moderate	09:28	6.8	Surface	1.0	0.3	268	29.6	29.6	8.0	8.0	19.8	19.8	103.9	103.9	7.1	6.3	4.3	8.5	12	13	87	89	818804	805596	<0.2	<0.2	1.4	1.3
						1.0	0.3	272	29.6		8.0		19.9		103.9		7.1		4.4		12		86				<0.2		1.4	
					Middle	3.4	0.2	242	29.1	29.1	7.9	7.9	23.3	23.3	80.1	80.0	5.4		7.5		13		88				<0.2		1.2	
						3.4	0.2	263	29.0		7.9		23.2		79.8		5.4		7.9		12		88				<0.2		1.3	
					Bottom	5.8	0.1	110	28.4	28.4	7.9	7.9	28.5	28.5	68.9	69.0	4.6	4.6	13.4		14		91				<0.2		1.4	
						5.8	0.1	117	28.4		7.9		28.5		69.1		4.6		13.5		14		91				<0.2		1.3	
IM4	Cloudy	Rough	09:38	8.4	Surface	1.0	0.6	194	29.6	29.6	8.0	8.0	18.9	18.9	96.6	96.6	6.6	6.3	10.0	8.7	12	10	86	88	819705	804610	<0.2	<0.2	1.3	1.2
						1.0	0.6	208	29.6		8.0		18.9		96.6		6.6		9.0		11		85				<0.2		1.2	
					Middle	4.2	0.5	191	29.2	29.2	7.9	7.9	19.6	19.6	86.4	86.3	6.0		8.3		10		87				<0.2		1.3	
						4.2	0.6	200	29.1		7.9		19.6		86.2		5.9		8.3		9		88				<0.2		1.2	
					Bottom	7.4	0.2	148	28.3	28.3	7.9	7.9	28.4	28.4	63.3	63.4	4.2	4.2	8.3		9		91				<0.2		1.2	
						7.4	0.2	160	28.3		7.9		28.5		63.4		4.2		8.4		8		91				<0.2		1.2	
IM5	Cloudy	Rough	09:47	7.9	Surface	1.0	0.4	200	29.5	29.5	8.0	8.0	19.3	19.3	98.9	99.0	6.8	6.7	9.8	11.6	8	8	86	89	820738	804886	<0.2	<0.2	1.3	1.3
						1.0	0.4	216	29.5		8.0		19.3		99.0		6.8		10.1		7		87				<0.2		1.2	
					Middle	4.0	0.5	192	29.5	29.5	8.0	8.0	19.5	19.5	94.2	94.2	6.5		12.7		9		88				<0.2		1.3	
						4.0	0.5	210	29.5		8.0		19.5		94.1		6.5		12.6		9		88				<0.2		1.3	
					Bottom	6.9	0.4	196	29.5	29.5	8.0	8.0	19.5	19.5	94.5	94.6	6.5	6.5	12.3		8		91				<0.2		1.3	
						6.9	0.4	214	29.4		8.0		19.5		94.6		6.5		12.0		9		91				<0.2		1.1	
IM6	Cloudy	Rough	09:56	7.0	Surface	1.0	0.4	236	29.6	29.6	7.9	7.9	18.4	18.4	97.0	96.9	6.7	6.4	4.5	7.8	7	7	86	88	821068	805849	<0.2	<0.2	1.2	1.2
						1.0	0.5	258	29.6		7.9		18.4		96.8		6.7		4.9		6		85				<0.2		1.2	
					Middle	3.5	0.4	232	29.5	29.5	7.9	7.9	20.2	20.2	89.8	89.9	6.1		8.5		6		88				<0.2		1.3	
						3.5	0.4	232	29.5		7.9		20.2		89.9		6.1		8.6		7		88				<0.2		1.3	
					Bottom	6.0	0.3	249	29.5	29.5	7.9	7.9	20.2	20.2	90.4	90.5	6.2	6.2	10.1		7		91				<0.2		1.2	
						6.0	0.3	254	29.5		7.9		20.2		90.5		6.2		10.2		8		91				<0.2		1.2	
IM7	Cloudy	Rough	10:03	8.3	Surface	1.0	0.1	240	29.7	29.7	7.9	7.9	18.4	18.4	98.1	98.1	6.7	6.5	4.2	8.3	9	8	85	88	821327	806822	<0.2	<0.2	1.3	1.2
						1.0	0.1	259	29.7		7.9		18.4		98.0		6.7		4.6		8		85				<0.2		1.3	
					Middle	4.2	0.2	265	29.5	29.5	7.9	7.9	19.9	19.9	91.6	91.6	6.3		8.5		7		87				<0.2		1.2	
						4.2	0.2	285	29.5		7.9		20.0		91.6		6.3		8.6		8		88				<0.2		1.1	
					Bottom	7.3	0.1	292	29.5	29.5	7.9	7.9	20.1	20.1	91.8	91.8	6.3	6.3	11.9		8		91				<0.2		1.2	
						7.3	0.1	305	29.5		7.9		20.1		91.8		6.3		12.1		7		92				<0.2		1.2	
IM8	Fine	Rough	09:29	7.6	Surface	1.0	0.1	16	29.6	29.6	8.2	8.2	18.7	18.7	104.1	104.1	7.1	7.1	4.0	4.9	5	4	83	86	821809	808153	<0.2	<0.2	1.0	1.1
						1.0	0.1	16	29.6		8.2		18.7		104.1		7.1		4.0		4		83				<0.2		1.1	
					Middle	3.8	0.0	173	29.5	29.5	8.2	8.2	19.0	19.0	101.3	101.5	7.0		4.8		3		86				<0.2		1.1	
						3.8	0.0	180	29.5		8.2		19.0		101.6		7.0		4.7		4		86				<0.2		1.0	
					Bottom	6.6	0.1	238	29.4	29.4	8.2	8.2	20.3	20.3	97.1	97.1	6.6	6.6	6.0		3		90				<0.2		1.1	
						6.6	0.1	257	29.4		8.2		20.3		97.1		6.6		6.0		4		90				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 June 21 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	09:22	7.1	Surface	1.0	0.1	140	29.5	29.5	8.2	8.2	18.6	18.6	104.6	104.6	7.2	7.2	4.4	6.4	3	4	83	87	822096	808802	<0.2	<0.2	1.2	1.2
						1.0	0.1	144	29.5		8.2		18.6		104.6		7.2		4.4		2		83				<0.2		1.2	
					Middle	3.6	0.3	130	29.4	29.4	8.2	8.2	18.9	18.9	103.1	103.1	7.1		5.6		4		87				<0.2		1.1	
						3.6	0.3	136	29.4		8.2		18.9		103.1		7.1		5.6		4		87				<0.2		1.2	
					Bottom	6.1	0.2	108	29.4	29.4	8.2	8.2	20.2	20.2	98.0	98.1	6.7	6.7	9.1		5		90				<0.2		1.1	
						6.1	0.2	109	29.4		8.2		20.2		98.1		6.7		9.2		4		91				<0.2		1.1	
IM10	Fine	Rough	09:13	7.5	Surface	1.0	0.5	130	29.6	29.6	8.2	8.2	18.3	18.3	104.3	104.3	7.2	7.0	3.9	6.6	6	5	83	87	822378	809782	<0.2	<0.2	1.1	1.2
						1.0	0.5	141	29.6		8.2		18.3		104.3		7.2		3.9		5		83				<0.2		1.1	
					Middle	3.8	0.6	134	29.3	29.3	8.2	8.2	20.2	20.2	98.0	98.1	6.7		7.3		6		87				<0.2		1.1	
						3.8	0.6	144	29.3		8.2		20.2		98.1		6.7		7.2		5		87				<0.2		1.1	
					Bottom	6.5	0.4	132	29.4	29.4	8.2	8.2	20.3	20.3	96.9	96.9	6.6	6.6	8.7		3		90				<0.2		1.3	
						6.5	0.4	144	29.4		8.2		20.3		96.9		6.6		8.7		4		91				<0.2		1.3	
IM11	Fine	Rough	09:00	7.9	Surface	1.0	0.5	114	29.6	29.6	8.2	8.2	17.6	17.6	104.4	104.4	7.2	7.1	3.4	5.1	4	4	82	86	822034	811446	<0.2	<0.2	0.8	1.0
						1.0	0.5	118	29.6		8.2		17.6		104.3		7.2		3.4		5		83				<0.2		0.9	
					Middle	4.0	0.5	130	29.3	29.3	8.2	8.2	19.6	19.6	101.0	101.0	6.9		6.4		3		86				<0.2		1.0	
						4.0	0.5	133	29.3		8.2		19.6		100.9		6.9		6.4		4		87				<0.2		0.8	
					Bottom	6.9	0.3	138	29.3	29.3	8.2	8.2	21.3	21.2	92.8	92.9	6.3	6.3	5.4		3		90				<0.2		1.1	
						6.9	0.3	141	29.3		8.2		21.2		92.9		6.3		5.5		2		90				<0.2		1.1	
IM12	Fine	Rough	08:53	9.2	Surface	1.0	0.6	132	29.6	29.6	8.2	8.2	17.5	17.5	103.5	103.5	7.2	6.9	3.0	4.6	3	3	83	87	821448	812034	<0.2	<0.2	1.1	1.1
						1.0	0.6	140	29.6		8.2		17.5		103.5		7.2		2.9		4		83				<0.2		1.0	
					Middle	4.6	0.6	134	29.4	29.4	8.2	8.2	20.6	20.6	95.5	95.5	6.5		5.1		2		87				<0.2		1.1	
						4.6	0.6	137	29.4		8.2		20.6		95.5		6.5		5.0		3		87				<0.2		1.1	
					Bottom	8.2	0.2	82	29.3	29.3	8.2	8.2	21.2	21.2	92.8	92.8	6.3	6.3	5.6		2		90				<0.2		1.1	
						8.2	0.2	85	29.3		8.2		21.2		92.8		6.3		5.7		3		90				<0.2		1.1	
SR1A	Fine	Rough	08:18	5.4	Surface	1.0	-	-	29.6	29.6	8.2	8.2	18.5	18.5	104.1	104.1	7.2	7.2	3.2	3.6	3	3	-	-	819976	812657	-	-	-	-
						1.0	-	-	29.6		8.2		18.5		104.1		7.2		3.1		4		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	29.3	29.4	8.2	8.2	21.4	21.3	100.5	100.7	6.8	6.9	4.0		3		-				-		-	
						4.4	-	-	29.4		8.2		21.3		100.8		6.9		3.9		2		-				-		-	
SR2	Fine	Rough	07:59	4.4	Surface	1.0	0.3	104	29.6	29.6	8.2	8.2	17.5	17.6	107.0	107.0	7.4	7.4	2.8	3.2	3	4	82	85	821461	814171	<0.2	<0.2	1.1	1.1
						1.0	0.4	112	29.6		8.2		17.6		107.0		7.4		2.9		4		83				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	78	29.5	29.5	8.2	8.2	19.3	19.3	105.4	105.4	7.2	7.2	3.6		3		86				<0.2		1.1	
						3.4	0.2	82	29.5		8.2		19.3		105.4		7.2		3.7		4		87				<0.2		1.1	
SR3	Fine	Rough	09:34	8.6	Surface	1.0	0.1	300	29.7	29.7	8.2	8.2	18.4	18.4	105.6	105.6	7.3	7.2	3.8	5.0	3	4	-	-	822168	807592	-	-	-	-
						1.0	0.1	326	29.7		8.2		18.4		105.5		7.3		3.7		4		-				-		-	
					Middle	4.3	0.3	198	29.4	29.4	8.2	8.2	19.3	19.3	103.6	103.6	7.1		6.5		3		-				-		-	
						4.3	0.3	201	29.4		8.2		19.3		103.5		7.1		6.5		4		-				-		-	
					Bottom	7.6	0.1	228	29.3	29.3	8.2	8.2	20.7	20.7	93.0	93.1	6.4	6.4	4.7		4		-				-		-	
						7.6	0.1	231	29.3		8.2		20.7		93.1		6.4		4.7		5		-				-		-	
SR4A	Cloudy	Moderate	08:27	9.2	Surface	1.0	0.1	55	29.6	29.6	8.1	8.1	18.9	18.9	110.4	110.4	7.6	7.2	5.0	7.0	12	11	-	-	817171	807797	-	-	-	-
						1.0	0.1	58	29.6		8.1		18.9		110.4		7.6		5.1		11		-				-		-	
					Middle	4.6	0.1	51	29.4	29.4	8.0	8.0	19.6	19.6	100.0	99.5	6.9		7.3		11		-				-		-	
						4.6	0.1	55	29.4		8.0		19.7		99.0		6.8		7.3		10		-				-		-	
					Bottom	8.2	0.3	61	29.0	29.1	7.9	7.9	25.0	25.0	79.4	79.8	5.3	5.4	8.6		9		-				-		-	
						8.2	0.3	63	29.1		7.9		25.0		80.2		5.4		8.9		10		-				-		-	
SR5A	Cloudy	Moderate	08:09	3.8	Surface	1.0	0.2	102	29.7	29.7	8.1	8.1	19.5	19.5	112.4	112.3	7.7	7.7	4.4	7.3	11	10	-	-	816576	810699	-	-	-	-
						1.0	0.2	103	29.7		8.1		19.5		112.1		7.7		4.4		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	58	29.6	29.6	8.1	8.1	20.0	20.0	109.9	109.9	7.5	7.5	10.2		9		-				-		-	
						2.8	0.1	58	29.6		8.1		20.0		109.9		7.5		10.2		10		-				-		-	
SR6A	Cloudy	Moderate	07:37	4.2	Surface	1.0	0.1	114	29.7	29.7	8.1	8.1	19.5	19.5	109.0	109.0	7.5	7.5	1.3	5.1	13	11	-	-	817960	814735	-	-	-	-
						1.0	0.1	123	29.7		8.1		19.5		108.9		7.4		1.3		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	126	29.7	29.7	8.0	8.0	20.0	20.0	104.4	104.4	7.1	7.1	8.6		10		-				-		-	
						3.2	0.1	136	29.7		8.0		20.1		104.3		7.1		9.1		10		-				-		-	
SR7	Fine	Rough	06:50	19.6	Surface	1.0	0.3	74	28.8	28.9	8.2	8.2	24.0	24.0	98.8	98.8	6.7	6.5	2.7	3.0	5	5	-	-	823618	823765	-	-	-	-
						1.0	0.3	75	28.9		8.2		24.0		98.7		6.7		2.7		6		-				-		-	
					Middle	9.8	0.1	19	28.8	28.8	8.2	8.2	24.5	24.5	93.9	93.9	6.3		2.8		6		-				-		-	
						9.8	0.1	19	28.8		8.2		24.5		93.9		6.3		2.8		5		-				-		-	
					Bottom	18.6	0.1	96	27.1	27.1	8.1	8.1	30.7	30.7	66.3	66.3	4.4	4.4	3.6		4		-				-		-	
						18.6	0.1	99	27.1		8.1		30.7		66.3		4.4		3.6		5		-				-		-	
SR8	Fine	Rough	08:44	4.4	Surface	1.0	-	-	30.0	30.0	8.2	8.2	18.6	18.6	105.1	105.1	7.2	7.2	6.0	7.4	4	4	-	-	820408	811646	-	-	-	-
						1.0	-	-	30.0		8.2		18.6		105.1		7.2		6.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	30.1	30.1	8.2	8.2	18.7	18.7	105.1	105.1	7.2	7.2	8.8		5		-				-		-	
						3.4	-	-	30.1		8.2		18.7		105.1		7.2		8.7		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	13:14	7.0	Surface	1.0	0.2	81	30.2	30.2	8.2	8.2	18.8	18.8	124.4	124.2	8.5	7.7	3.3	6.9	5	7	84	88	815598	804255	<0.2	<0.2	1.2	1.2
						1.0	0.2	86	30.2		8.2		18.8		124.0		8.4		3.2		6		85				<0.2		1.2	
					Middle	3.5	0.2	106	29.5	29.5	8.1	8.1	19.3	19.3	100.1	100.2	6.9		8.6		8		87				<0.2		1.2	
						3.5	0.2	115	29.4		8.1		19.3		100.2		6.9		9.7		7		87				<0.2		1.2	
					Bottom	6.0	0.1	42	28.9	28.9	8.1	8.1	25.4	25.4	84.9	85.6	5.7	5.8	8.2		8		91				<0.2		1.2	
						6.0	0.1	44	28.9		8.1		25.5		86.3		5.8		8.7		9		91				<0.2		1.2	
C2	Sunny	Rough	12:09	11.7	Surface	1.0	0.5	181	30.4	30.4	8.3	8.3	14.7	14.7	110.4	110.4	7.7	7.3	3.3	4.3	4	4	82	87	825700	806947	<0.2	<0.2	1.5	1.5
						1.0	0.5	188	30.4		8.3		14.7		110.3		7.7		3.3		3		82				<0.2		1.4	
					Middle	5.9	0.2	194	29.5	29.5	8.2	8.2	18.3	18.3	99.0	99.0	6.8		5.3		3		86				<0.2		1.5	
						5.9	0.3	206	29.5		8.2		18.3		99.0		6.8		5.3		4		87				<0.2		1.5	
					Bottom	10.7	0.1	134	29.1	29.1	8.2	8.2	22.5	22.5	88.7	88.7	6.0	6.0	4.1		4		91				<0.2		1.5	
						10.7	0.1	142	29.1		8.2		22.5		88.7		6.0		4.2		5		91				<0.2		1.5	
C3	Sunny	Rough	14:22	11.4	Surface	1.0	0.3	293	29.8	29.8	8.3	8.3	19.5	19.5	125.4	125.5	8.6	7.8	3.0	3.1	3	4	83	87	822106	817790	<0.2	<0.2	1.2	1.3
						1.0	0.3	317	29.8		8.3		19.4		125.5		8.6		3.0		4		83				<0.2		1.3	
					Middle	5.7	0.4	271	29.3	29.3	8.2	8.2	21.8	21.8	103.9	103.9	7.1		2.8		4		86				<0.2		1.3	
						5.7	0.4	280	29.3		8.2		21.8		103.8		7.0		2.8		3		87				<0.2		1.2	
					Bottom	10.4	0.2	294	28.2	28.2	8.2	8.2	27.1	27.1	81.4	81.5	5.5	5.5	3.3		4		91				<0.2		1.3	
						10.4	0.2	309	28.2		8.2		27.1		81.5		5.5		3.4		4		91				<0.2		1.3	
IM1	Sunny	Moderate	12:51	4.2	Surface	1.0	0.1	170	29.4	29.4	8.0	8.0	20.6	20.5	104.4	103.0	7.1	7.1	10.2	11.0	5	5	85	88	817927	807143	<0.2	<0.2	1.3	1.3
						1.0	0.1	180	29.3		8.0		20.4		101.6		7.0		10.7		4		86				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	111	29.3	29.3	8.0	8.0	21.9	21.9	95.0	95.1	6.4	6.5	11.3		5		91				<0.2		1.2	
						3.2	0.1	114	29.3		8.0		21.9		95.1		6.5		11.8		4		91				<0.2		1.2	
IM2	Sunny	Moderate	12:44	6.6	Surface	1.0	0.3	4	29.5	29.5	8.1	8.1	19.7	19.7	110.9	110.5	7.6	6.9	8.3	13.9	5	5	85	88	818159	806188	<0.2	<0.2	1.3	1.3
						1.0	0.4	4	29.4		8.1		19.7		110.1		7.6		8.7		6		86				<0.2		1.3	
					Middle	3.3	0.4	352	28.8	28.8	8.0	8.0	22.2	22.1	90.2	89.0	6.2		16.7		5		87				<0.2		1.3	
						3.3	0.4	324	28.8		8.0		22.0		87.7		6.0		17.0		6		87				<0.2		1.2	
					Bottom	5.6	0.2	342	28.8	28.8	8.0	8.0	27.7	27.7	75.1	76.1	5.0	5.1	16.7		5		91				<0.2		1.4	
						5.6	0.2	343	28.8		8.0		27.7		77.1		5.1		16.3		4		92				<0.2		1.4	
IM3	Cloudy	Moderate	12:36	6.8	Surface	1.0	0.3	269	29.8	29.8	8.2	8.2	19.6	19.6	115.5	115.2	7.9	7.1	6.7	11.7	5	5	86	88	818791	805608	<0.2	<0.2	1.6	1.6
						1.0	0.3	284	29.7		8.2		19.6		114.9		7.8		7.0		5		85				<0.2		1.6	
					Middle	3.4	0.3	293	28.8	28.7	8.1	8.1	20.1	20.3	94.6	91.2	6.5		13.8		5		87				<0.2		1.5	
						3.4	0.3	309	28.6		8.1		20.4		87.8		6.1		14.6		5		87				<0.2		1.7	
					Bottom	5.8	0.2	302	28.4	28.4	8.0	8.0	27.7	27.7	70.9	71.0	4.7	4.7	13.6		5		91				<0.2		1.6	
						5.8	0.2	327	28.4		8.0		27.7		71.0		4.7		14.6		6		91				<0.2		1.6	
IM4	Cloudy	Moderate	12:27	7.8	Surface	1.0	0.4	224	29.6	29.6	8.0	8.0	19.5	19.6	93.2	92.9	6.4	6.0	4.7	10.9	4	5	86	88	819748	804591	<0.2	<0.2	1.3	1.3
						1.0	0.5	242	29.6		8.0		19.6		92.6		6.3		5.3		5		86				<0.2		1.2	
					Middle	3.9	0.4	211	28.7	28.7	8.0	8.0	20.6	20.6	80.6	80.2	5.6		13.5		4		87				<0.2		1.3	
						3.9	0.4	231	28.6		8.0		20.6		79.7		5.5		13.6		5		87				<0.2		1.4	
					Bottom	6.8	0.2	296	28.2	28.2	8.0	8.0	28.6	28.6	62.9	63.0	4.2	4.2	14.0		6		90				<0.2		1.3	
						6.8	0.2	301	28.2		8.0		28.6		63.1		4.2		14.1		5		91				<0.2		1.2	
IM5	Cloudy	Moderate	12:18	7.4	Surface	1.0	0.4	245	29.6	29.6	8.1	8.1	19.1	19.1	108.6	108.2	7.4	6.7	8.3	10.9	8	9	86	88	820746	804861	<0.2	<0.2	1.3	1.2
						1.0	0.4	260	29.6		8.1		19.1		107.7		7.4		9.3		7		85				<0.2		1.2	
					Middle	3.7	0.3	243	29.5	29.5	7.9	7.9	19.5	19.5	88.6	88.4	6.1		11.1		9		87				<0.2		1.1	
						3.7	0.4	257	29.5		7.9		19.5		88.1		6.0		11.1		9		87				<0.2		1.2	
					Bottom	6.4	0.2	252	29.5	29.5	7.9	7.9	19.6	19.6	86.7	86.9	5.9	6.0	12.8		10		91				<0.2		1.2	
						6.4	0.2	273	29.5		7.9		19.6		87.1		6.0		12.5		9		91				<0.2		1.1	
IM6	Cloudy	Moderate	12:10	7.4	Surface	1.0	0.3	274	29.9	29.9	8.0	8.0	18.6	18.6	102.6	102.6	7.0	6.7	2.4	5.6	7	6	87	89	821063	805851	<0.2	<0.2	1.1	1.3
						1.0	0.3	294	29.9		8.0		18.7		102.5		7.0		2.5		6		87				<0.2		1.1	
					Middle	3.7	0.3	239	29.6	29.6	8.0	8.0	19.7	19.7	93.8	93.7	6.4		5.6		6		87				<0.2		1.7	
						3.7	0.3	252	29.6		8.0		19.8		93.5		6.4		5.9		6		87				<0.2		1.7	
					Bottom	6.4	0.2	244	29.5	29.5	8.0	8.0	20.1	20.1	92.4	92.4	6.3	6.3	8.6		5		91				<0.2		1.1	
						6.4	0.3	253	29.5		8.0		20.1		92.4		6.3		8.6		5		92				<0.2		1.0	
IM7	Cloudy	Moderate	12:02	8.0	Surface	1.0	0.3	282	29.7	29.7	8.0	8.0	18.9	19.0	100.4	100.3	6.9	6.6	3.7	6.7	5	5	87	88	821331	806819	<0.2	<0.2	1.4	1.5
						1.0	0.3	307	29.7		8.0		19.0		100.2		6.9		4.1		5		87				<0.2		1.4	
					Middle	4.0	0.3	259	29.5	29.5	8.0	8.0	19.7	19.7	90.9	90.9	6.2		7.2		5		87				<0.2		1.5	
						4.0	0.3	267	29.5		8.0		19.8		90.8		6.2		7.4		4		87				<0.2		1.6	
					Bottom	7.0	0.2	261	29.5	29.5	8.0	8.0	20.0	20.0	90.8	90.9	6.2	6.2	9.0		4		90				<0.2		1.6	
						7.0	0.2	261	29.5		8.0		20.0		90.9		6.2		9.0		5		91				<0.2		1.6	
IM8	Sunny	Rough	12:35	7.2	Surface	1.0	0.2	263	29.8	29.8	8.3	8.3	18.6	18.6	111.0	111.0	7.6	7.2	3.9	7.0	3	4	83	87	821839	808151	<0.2	<0.2	1.4	1.4
						1.0	0.2	282	29.8		8.3		18.6		110.9		7.6		3.9		4		83				<0.2		1.4	
					Middle	3.6	0.2	241	29.4	29.4	8.2	8.2	19.6	19.6	97.0	97.0	6.7		7.4		3		86				<0.2		1.4	
						3.6	0.2	264	29.4		8.2		19.6		97.0		6.7		7.5		4		87				<0.2		1.4	
					Bottom	6.2	0.3	251	29.4	29.4	8.2	8.2	19.6	19.6	97.3	97.4	6.7	6.7	9.6		5		90				<0.2		1.4	
						6.2	0.3	264	29.4		8.2		19.6		97.4		6.7		9.6		4		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 19 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Rough	12:41	6.8	Surface	1.0	0.1	343	29.7	29.7	8.3	8.3	18.2	18.2	111.6	111.6	7.7	7.6	3.7	5.3	3	4	79	86	822115	808796	<0.2	<0.2	1.4	1.4
						1.0	0.1	353	29.7		8.3		18.2		111.5		7.7		3.7		4		82				<0.2		1.3	
					Middle	3.4	0.1	216	29.6	29.6	8.2	8.2	18.5	18.5	107.7	107.7	7.4		5.6		3		87				<0.2		1.3	
						3.4	0.1	219	29.6		8.2		18.6		107.7		7.4		5.6		4		87				<0.2		1.5	
					Bottom	5.8	0.1	260	29.4	29.4	8.2	8.2	19.7	19.7	99.3	99.3	6.8	6.8	6.7		4		90				<0.2		1.3	
						5.8	0.1	266	29.4		8.2		19.7		99.3		6.8		6.7		5		91				<0.2		1.3	
IM10	Sunny	Rough	12:49	7.6	Surface	1.0	0.2	103	29.8	29.8	8.3	8.3	18.0	18.0	111.3	111.3	7.7	7.3	3.7	5.3	4	4	82	87	822361	809810	<0.2	<0.2	1.3	1.2
						1.0	0.2	107	29.8		8.3		18.0		111.2		7.6		3.7		3		83				<0.2		1.3	
					Middle	3.8	0.1	139	29.4	29.4	8.2	8.2	19.4	19.4	101.6	101.6	7.0		6.2		4		87				<0.2		1.3	
						3.8	0.1	139	29.4		8.2		19.4		101.6		7.0		6.3		3		87				<0.2		1.2	
					Bottom	6.6	0.0	97	29.4	29.4	8.2	8.2	19.6	19.6	97.1	97.1	6.7	6.7	5.9		4		90				<0.2		1.1	
						6.6	0.0	98	29.4		8.2		19.6		97.1		6.7		5.8		3		90				<0.2		1.2	
IM11	Sunny	Rough	12:59	7.9	Surface	1.0	0.3	102	29.8	29.8	8.2	8.2	18.4	18.4	109.2	109.2	7.5	7.2	3.5	5.2	3	4	79	86	822075	811461	<0.2	<0.2	1.2	1.2
						1.0	0.3	110	29.8		8.2		18.4		109.1		7.5		3.5		4		82				<0.2		1.3	
					Middle	4.0	0.2	77	29.4	29.4	8.2	8.2	19.6	19.6	100.2	100.2	6.9		5.5		3		86				<0.2		1.1	
						4.0	0.2	79	29.4		8.2		19.6		100.2		6.9		5.6		4		87				<0.2		1.2	
					Bottom	6.9	0.1	18	29.3	29.4	8.2	8.2	20.3	20.3	94.3	94.3	6.5	6.5	6.6		3		90				<0.2		1.2	
						6.9	0.1	18	29.4		8.2		20.3		94.3		6.5		6.7		4		91				<0.2		1.0	
IM12	Sunny	Rough	13:07	9.1	Surface	1.0	0.2	93	29.9	29.9	8.3	8.3	18.4	18.4	120.2	120.2	8.2	7.5	4.2	4.1	4	4	82	87	821471	812065	<0.2	<0.2	1.2	1.3
						1.0	0.2	100	29.9		8.3		18.4		120.2		8.2		4.2		3		83				<0.2		1.3	
					Middle	4.6	0.1	33	29.5	29.5	8.2	8.2	20.1	20.1	98.2	98.3	6.7		3.3		4		87				<0.2		1.2	
						4.6	0.1	33	29.5		8.2		20.1		98.3		6.7		3.3		4		87				<0.2		1.3	
					Bottom	8.1	0.3	306	29.2	29.2	8.2	8.2	21.6	21.7	88.4	88.3	6.0	6.0	4.8		4		91				<0.2		1.2	
						8.1	0.3	316	29.2		8.2		21.7		88.1		6.0		4.8		3		92				<0.2		1.3	
SR1A	Sunny	Rough	13:42	4.9	Surface	1.0	-	-	29.8	29.8	8.3	8.3	18.8	18.8	118.7	118.7	8.1	8.1	3.2	3.3	2	3	-	-	819975	812663	-	-	-	-
						1.0	-	-	29.8		8.3		18.8		118.7		8.1		3.2		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.7	29.7	8.3	8.3	19.0	19.0	112.5	112.5	7.7	7.7	3.3		4		-				-		-	
						3.9	-	-	29.7		8.3		19.0		112.4		7.7		3.3		3		-				-		-	
SR2	Sunny	Rough	13:58	4.8	Surface	1.0	0.0	220	29.9	29.9	8.3	8.3	18.1	18.1	119.0	119.0	8.2	8.2	3.7	3.9	3	3	82	84	821485	814184	<0.2	<0.2	1.4	1.4
						1.0	0.0	240	29.9		8.3		18.1		119.0		8.2		3.8		2		83				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	117	29.8	29.8	8.3	8.3	18.9	18.9	116.4	116.4	8.0	8.0	4.0		3		86				<0.2		1.3	
						3.8	0.0	123	29.8		8.3		18.9		116.3		8.0		4.1		3		86				<0.2		1.4	
SR3	Sunny	Rough	12:29	7.6	Surface	1.0	0.2	236	29.8	29.8	8.3	8.3	18.6	18.6	110.3	110.3	7.6	7.3	3.9	6.0	2	3	-	-	822167	807549	-	-	-	-
						1.0	0.2	241	29.8		8.3		18.6		110.3		7.6		4.0		3		-				-		-	
					Middle	3.8	0.2	216	29.4	29.4	8.2	8.2	19.1	19.1	101.6	101.6	7.0		7.0		4		-				-		-	
						3.8	0.2	220	29.4		8.2		19.1		101.6		7.0		7.0		3		-				-		-	
					Bottom	6.6	0.2	243	29.3	29.3	8.2	8.2	20.0	20.0	94.1	94.1	6.5	6.5	6.9		3		-				-		-	
						6.6	0.2	250	29.3		8.2		20.0		94.1		6.5		6.9		4		-				-		-	
SR4A	Sunny	Moderate	13:33	8.5	Surface	1.0	0.2	247	29.8	29.8	8.2	8.2	19.5	19.5	120.4	120.4	8.2	7.6	6.1	8.4	6	7	-	-	817209	807807	-	-	-	-
						1.0	0.2	260	29.8		8.3		19.5		120.3		8.2		6.5		5		-				-		-	
					Middle	4.3	0.3	248	29.1	29.1	8.1	8.1	20.1	20.1	101.0	99.8	7.0		8.2		6		-				-		-	
						4.3	0.3	267	29.0		8.1		20.2		98.6		6.8		8.4		6		-				-		-	
					Bottom	7.5	0.1	47	29.2	29.3	8.1	8.1	26.8	26.7	73.6	74.0	4.9	4.9	10.4		9		-				-		-	
						7.5	0.1	50	29.3		8.1		26.7		74.4		4.9		10.6		8		-				-		-	
SR5A	Sunny	Moderate	13:51	4.0	Surface	1.0	0.2	310	30.0	30.0	8.2	8.2	20.4	20.4	130.2	130.2	8.8	8.8	5.8	8.1	9	7	-	-	816610	810672	-	-	-	-
						1.0	0.2	339	30.0		8.2		20.4		130.1		8.8		5.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	300	29.9	29.9	8.2	8.2	20.6	20.6	118.1	118.1	8.0	8.0	9.8		8		-				-		-	
						3.0	0.1	312	29.9		8.2		20.6		118.0		8.0		10.9		3		-				-		-	
SR6A	Sunny	Moderate	14:37	4.6	Surface	1.0	0.1	254	30.2	30.2	8.3	8.3	19.2	19.3	134.0	134.2	9.1	9.1	2.6	3.0	9	8	-	-	817984	814757	-	-	-	-
						1.0	0.1	262	30.2		8.3		19.3		134.4		9.1		2.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	226	30.1	30.1	8.3	8.3	19.8	19.8	142.0	139.4	9.6	9.5	3.3		7		-				-		-	
						3.6	0.0	239	30.1		8.3		19.8		136.8		9.3		3.3		8		-				-		-	
SR7	Sunny	Rough	14:57	17.8	Surface	1.0	0.1	200	30.0	30.0	8.1	8.1	20.2	20.2	147.0	146.9	10.0	8.3	3.0	3.0	3	3	-	-	823624	823750	-	-	-	-
						1.0	0.1	216	30.0		8.1		20.2		146.7		9.9		3.0		2		-				-		-	
					Middle	8.9	0.1	101	28.8	28.8	8.2	8.2	24.0	24.0	98.7	98.7	6.7		2.7		3		-				-		-	
						8.9	0.1	104	28.8		8.2		24.0		98.6		6.7		2.7		4		-				-		-	
					Bottom	16.8	0.1	243	27.2	27.2	8.1	8.1	30.2	30.2	69.3	69.4	4.6	4.7	3.3		4		-				-		-	
						16.8	0.1	251	27.2		8.1		30.2		69.5		4.7		3.3		4		-				-		-	
SR8	Sunny	Rough	13:16	4.2	Surface	1.0	-	-	29.7	29.7	8.3	8.3	19.6	19.6	98.9	98.7	6.7	6.7	6.2	6.1	6	7	-	-	820375	811624	-	-	-	-
						1.0	-	-	29.7		8.3		19.6		98.5		6.7		6.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.5	29.5	8.2	8.2	19.7	19.7	97.0	97.1	6.6	6.6	5.9		6		-				-		-	
						3.2	-	-	29.5		8.2		19.7		97.1		6.6		6.0		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 June 21 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	10:59	8.0	Surface	1.0	2.3	342	28.6	28.6	8.1	8.1	20.5	20.5	79.7	79.6	5.5	5.0	4.0	8.3	8	7	85	88	815624	804229	<0.2	<0.2	1.3	1.3
						1.0	2.5	315	28.6		8.1		20.5		79.4		5.5		4.1		7		87				<0.2		1.3	
					Middle	4.0	2.4	342	28.3	28.3	8.1	8.1	23.3	23.3	65.1	64.8	4.5		5.7		6		88				<0.2		1.4	
						4.0	2.4	315	28.3		8.1		23.3		64.4		4.4		5.8		7		87				<0.2		1.2	
					Bottom	7.0	2.2	340	26.0	26.0	7.9	7.9	31.7	31.6	37.5	38.1	2.6	2.6	15.2		6		91				<0.2		1.2	
						7.0	2.4	351	26.0		7.9		31.6		38.7		2.6		15.3		7		90				<0.2		1.1	
C2	Cloudy	Rough	09:22	10.3	Surface	1.0	1.0	159	29.5	29.5	8.2	8.2	15.9	15.9	95.3	95.3	6.7	5.7	5.1	5.6	10	10	82	86	825687	806950	<0.2	<0.2	1.3	1.4
						1.0	1.0	160	29.5		8.2		15.9		95.2		6.7		5.1		10		82				<0.2		1.2	
					Middle	5.2	0.8	157	28.5	28.5	8.1	8.1	24.7	24.7	67.5	67.7	4.6		6.0		10		86				<0.2		1.5	
						5.2	0.8	165	28.5		8.1		24.7		67.9		4.6		6.1		11		87				<0.2		1.5	
					Bottom	9.3	0.3	163	27.9	27.9	8.1	8.1	26.3	26.3	63.1	63.1	4.3	4.3	5.6		10		90				<0.2		1.4	
						9.3	0.3	169	27.9		8.1		26.3		63.1		4.3		5.6		11		90				<0.2		1.4	
C3	Cloudy	Rough	11:17	10.6	Surface	1.0	0.1	195	28.9	28.9	8.2	8.2	21.5	21.5	92.4	92.4	6.3	6.0	3.9	5.3	6	6	82	86	822121	817802	<0.2	<0.2	1.3	1.3
						1.0	0.2	199	28.9		8.2		21.5		92.4		6.3		3.9		5		83				<0.2		1.3	
					Middle	5.3	0.0	189	28.6	28.6	8.2	8.2	23.4	23.4	83.2	83.2	5.7		4.0		6		86				<0.2		1.3	
						5.3	0.0	202	28.6		8.2		23.4		83.2		5.7		4.0		5		86				<0.2		1.5	
					Bottom	9.6	0.3	23	28.0	28.0	8.1	8.1	25.7	25.7	76.0	76.0	5.2	5.2	7.9		6		90				<0.2		1.2	
						9.6	0.3	24	28.0		8.1		25.7		76.0		5.2		7.9		7		91				<0.2		1.2	
IM1	Rainy	Moderate	11:21	5.1	Surface	1.0	0.0	14	28.4	28.4	8.1	8.1	24.0	24.0	60.7	60.5	5.1	5.1	10.2	13.3	5	6	84	88	817949	807144	<0.2	<0.2	1.2	1.2
						1.0	0.0	14	28.4		8.1		24.0		60.3		5.1		10.3		6		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	231	26.4	26.4	7.8	7.8	30.6	30.6	41.7	43.9	5.8	6.0	16.4		6		90				<0.2		1.1	
						4.1	0.1	252	26.4		7.8		30.6		46.1		6.1		16.3		5		91				<0.2		1.1	
IM2	Rainy	Moderate	11:29	6.8	Surface	1.0	0.9	161	28.7	28.7	8.1	8.1	21.8	21.8	73.8	73.7	5.1	5.4	5.2	10.2	5	5	87	89	818181	806161	<0.2	<0.2	1.0	1.1
						1.0	0.9	165	28.7		8.1		21.8		73.5		5.0		5.4		5		86				<0.2		1.1	
					Middle	3.4	0.8	175	26.7	26.7	7.9	7.9	30.0	29.9	38.9	39.1	5.6		11.0		5		88				<0.2		1.2	
						3.4	0.8	187	26.7		7.9		29.9		39.3		5.7		11.5		5		89				<0.2		1.1	
					Bottom	5.8	1.1	158	26.0	26.0	7.9	7.9	31.6	31.6	36.5	36.8	5.5	5.5	14.0		6		91				<0.2		1.1	
						5.8	1.2	170	26.0		7.9		31.6		37.1		5.5		14.0		5		93				<0.2		1.1	
IM3	Rainy	Moderate	11:36	7.2	Surface	1.0	2.4	6	28.9	28.9	8.2	8.1	20.2	20.2	79.9	79.8	5.5	5.4	5.2	9.6	5	5	87	89	818799	805602	<0.2	<0.2	1.1	1.2
						1.0	2.7	6	28.9		8.1		20.2		79.6		5.5		5.4		5		86				<0.2		1.1	
					Middle	3.6	2.6	5	27.9	28.0	8.0	8.0	25.4	25.4	48.3	46.7	5.3		10.5		6		88				<0.2		1.3	
						3.6	2.8	5	28.0		8.0		25.4		45.0		5.1		10.9		5		90				<0.2		1.2	
					Bottom	6.2	2.4	1	26.0	26.0	7.9	7.9	31.7	31.7	37.9	38.9	5.6	5.7	12.9		5		91				<0.2		1.2	
						6.2	2.5	1	26.0		7.9		31.7		39.8		5.7		13.0		6		93				<0.2		1.1	
IM4	Rainy	Moderate	11:46	7.5	Surface	1.0	2.4	136	28.9	28.9	8.1	8.1	21.2	21.3	77.9	77.8	5.3	5.2	13.9	16.3	5	6	87	89	819744	804613	<0.2	<0.2	1.0	1.1
						1.0	2.5	137	28.9		8.1		21.4		77.6		5.3		12.6		5		87				<0.2		0.9	
					Middle	3.8	2.5	137	28.6	28.6	8.1	8.1	22.6	22.7	66.9	66.4	5.1		16.9		6		89				<0.2		1.0	
						3.8	2.6	150	28.5		8.1		22.7		65.8		5.2		18.0		5		89				<0.2		1.1	
					Bottom	6.5	2.5	122	26.8	26.8	7.9	7.9	27.6	27.8	43.6	43.5	5.0	5.0	18.1		8		90				<0.2		1.2	
						6.5	2.6	129	26.7		7.9		27.9		43.3		5.0		18.3		9		90				<0.2		1.1	
IM5	Rainy	Moderate	11:57	7.2	Surface	1.0	2.1	313	29.1	29.1	8.1	8.1	20.3	20.3	84.6	84.6	5.8	5.8	13.3	15.8	9	13	87	88	820723	804859	<0.2	<0.2	1.1	1.1
						1.0	2.3	317	29.1		8.1		20.4		84.5		5.8		13.5		13		86				<0.2		1.1	
					Middle	3.6	1.9	318	29.1	29.1	8.1	8.1	20.5	20.5	83.7	83.7	5.7		15.6		13		88				<0.2		1.2	
						3.6	2.0	327	29.1		8.1		20.5		83.7		5.7		15.3		14		87				<0.2		1.1	
					Bottom	6.2	1.9	319	29.1	29.1	8.1	8.1	20.5	20.4	85.0	85.1	5.8	5.8	18.6		13		91				<0.2		1.2	
						6.2	1.9	325	29.1		8.1		20.4		85.1		5.8		18.7		13		91				<0.2		1.1	
IM6	Rainy	Moderate	12:09	6.9	Surface	1.0	1.3	355	29.1	29.1	8.1	8.1	19.8	19.8	86.2	86.2	5.9	5.9	13.0	15.5	20	18	86	89	821076	805851	<0.2	<0.2	1.2	1.2
						1.0	1.4	358	29.1		8.1		19.8		86.2		5.9		12.6		19		87				<0.2		1.3	
					Middle	3.5	1.0	6	29.1	29.1	8.1	8.1	19.8	19.8	86.0	86.0	5.9		15.0		18		88				<0.2		1.2	
						3.5	1.1	6	29.1		8.1		19.8		86.0		5.9		15.5		17		89				<0.2		1.1	
					Bottom	5.9	1.3	16	29.1	29.1	8.1	8.1	19.8	19.8	86.4	86.5	6.0	6.0	18.4		17		91				<0.2		1.1	
						5.9	1.3	16	29.1		8.1		19.8		86.5		6.0		18.5		17		91				<0.2		1.3	
IM7	Rainy	Moderate	12:21	7.4	Surface	1.0	1.4	257	29.1	29.1	8.1	8.1	19.3	19.4	88.3	88.2	6.1	6.1	6.5	11.0	6	7	87	89	821333	806855	<0.2	<0.2	1.4	1.2
						1.0	1.5	281	29.1		8.1		19.4		88.1		6.1		6.8		7		86				<0.2		1.3	
					Middle	3.7	1.2	258	29.1	29.1	8.1	8.1	19.7	19.7	87.6	87.7	6.0		11.6		7		89				<0.2		1.1	
						3.7	1.4	266	29.1		8.1		19.7		87.7		6.0		11.9		6		89				<0.2		1.2	
					Bottom	6.4	1.6	262	29.1	29.1	8.1	8.1	19.7	19.7	88.7	88.9	6.1	6.1	14.6		8		91				<0.2		1.2	
						6.4	1.8	278	29.1		8.1		19.7		89.0		6.1		14.7		7		91				<0.2		1.0	
IM8	Cloudy	Rough	09:42	6.8	Surface	1.0	0.4	219	29.3	29.3	8.2	8.2	18.1	18.1	94.8	94.8	6.6	6.6	5.0	5.6	9	6	82	86	821827	808130	<0.2	<0.2	1.4	1.3
						1.0	0.4	221	29.3		8.2		18.1		94.8		6.6		5.0		8		83				<0.2		1.3	
					Middle	3.4	0.3	237	29.3	29.3	8.2	8.2	18.5	18.5	94.0	94.0	6.5		5.2		6		86				<0.2		1.4	
						3.4	0.3	243	29.3		8.2		18.5		94.0		6.5		5.2		6		87				<0.2		1.4	
					Bottom	5.8	0.2	256	29.2	29.2	8.2	8.2	19.4	19.4	91.8	91.8	6.3	6.3	6.6		5		90				<0.2		1.2	
						5.8	0.2	269	29.2		8.2		19.5		91.7		6.3		6.6		4		90				<0.2		1.2	

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 22 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	09:49	6.5	Surface	1.0	0.3	190	29.3	29.3	8.2	8.2	18.5	18.5	93.4	93.4	6.5	6.4	5.1	5.5	6	5	82	86	822096	808822	<0.2	<0.2	1.5	1.3
						1.0	0.3	193	29.3		8.2		18.5		93.4		6.5		5.2		5		83				<0.2		1.4	
					Middle	3.3	0.3	190	29.2	29.2	8.1	8.1	19.7	19.7	90.7	90.7	6.2		5.3		5		86				<0.2		1.2	
						3.3	0.3	206	29.2		8.1		19.7		90.7		6.2		5.3		5		86				<0.2		1.3	
					Bottom	5.5	0.1	205	29.2	29.2	8.1	8.1	20.0	20.0	90.2	90.2	6.2	6.2	5.9		5		90				<0.2		1.2	
						5.5	0.1	219	29.2		8.1		20.0		90.2		6.2		6.0		4		91				<0.2		1.4	
IM10	Cloudy	Rough	09:56	6.8	Surface	1.0	0.5	125	29.4	29.4	8.2	8.2	17.9	17.9	91.6	91.6	6.3	6.1	4.7	5.6	4	6	83	87	822396	809778	<0.2	<0.2	1.4	1.5
						1.0	0.5	129	29.4		8.2		17.8		91.6		6.3		4.7		5		83				<0.2		1.4	
					Middle	3.4	0.4	117	29.1	29.1	8.1	8.1	20.8	20.7	86.5	86.6	5.9		5.5		7		86				<0.2		1.3	
						3.4	0.5	120	29.1		8.1		20.7		86.6		5.9		5.5		7		87				<0.2		1.4	
					Bottom	5.8	0.3	102	29.1	29.1	8.1	8.1	20.9	20.9	87.0	87.1	6.0	6.0	6.5		7		90				<0.2		1.7	
						5.8	0.3	107	29.1		8.1		20.9		87.1		6.0		6.5		8		91				<0.2		1.6	
IM11	Cloudy	Rough	10:05	7.4	Surface	1.0	0.6	100	29.4	29.4	8.2	8.2	18.3	18.3	94.5	94.5	6.5	6.4	4.8	4.8	4	4	82	87	822057	811449	<0.2	<0.2	1.5	1.5
						1.0	0.6	107	29.4		8.2		18.3		94.5		6.5		4.8		4		83				<0.2		1.5	
					Middle	3.7	0.6	84	29.3	29.3	8.2	8.2	19.4	19.4	92.2	92.2	6.3		4.5		3		87				<0.2		1.3	
						3.7	0.6	89	29.3		8.2		19.4		92.2		6.3		4.5		4		87				<0.2		1.4	
					Bottom	6.4	0.4	92	29.2	29.2	8.2	8.2	20.0	20.0	90.6	90.7	6.2	6.2	5.1		4		90				<0.2		1.6	
						6.4	0.5	92	29.2		8.2		20.0		90.7		6.2		5.1		3		90				<0.2		1.5	
IM12	Cloudy	Rough	10:11	8.5	Surface	1.0	0.4	90	29.3	29.3	8.2	8.2	19.2	19.2	95.2	95.2	6.6	6.5	4.0	5.4	5	4	82	86	821465	812041	<0.2	<0.2	1.2	1.4
						1.0	0.5	96	29.3		8.2		19.2		95.1		6.6		4.0		4		83				<0.2		1.2	
					Middle	4.3	0.3	93	29.2	29.2	8.2	8.2	19.7	19.7	91.5	91.5	6.3		5.4		5		86				<0.2		1.4	
						4.3	0.4	96	29.2		8.2		19.7		91.5		6.3		5.4		4		87				<0.2		1.3	
					Bottom	7.5	0.3	95	28.9	28.9	8.1	8.1	21.2	21.2	86.2	86.2	5.9	5.9	6.7		3		90				<0.2		1.5	
						7.5	0.3	100	28.9		8.1		21.2		86.2		5.9		6.7		3		90				<0.2		1.6	
SR1A	Cloudy	Rough	10:39	4.8	Surface	1.0	-	-	29.3	29.3	8.2	8.2	19.6	19.6	98.9	98.9	6.8	6.8	3.5	4.3	6	6	-	-	819978	812658	-	-	-	-
						1.0	-	-	29.3		8.2		19.6		98.9		6.8		3.5		5		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	29.1	29.1	8.2	8.2	20.0	20.0	96.9	97.0	6.7	6.7	5.0		6		-				-		-	
						3.8	-	-	29.1		8.2		20.0		97.0		6.7		5.0		5		-				-		-	
SR2	Cloudy	Rough	10:54	4.4	Surface	1.0	0.4	100	29.3	29.3	8.2	8.2	19.7	19.7	94.1	94.2	6.5	6.5	4.3	5.8	7	7	83	87	821444	814177	<0.2	<0.2	1.4	1.4
						1.0	0.4	100	29.3		8.2		19.7		94.2		6.5		4.3		7		83				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	92	29.0	29.0	8.2	8.2	20.8	20.8	90.2	90.3	6.2	6.2	7.3		7		90				<0.2		1.4	
						3.4	0.3	93	29.0		8.2		20.8		90.3		6.2		7.3		7		91				<0.2		1.3	
SR3	Cloudy	Rough	09:37	7.7	Surface	1.0	0.8	177	29.2	29.2	8.1	8.1	19.4	19.4	90.5	90.5	6.2	6.2	4.9	6.8	10	10	-	-	822143	807591	-	-	-	-
						1.0	0.9	184	29.2		8.1		19.4		90.4		6.2		4.9		9		-				-		-	
					Middle	3.9	0.6	190	29.1	29.1	8.1	8.1	20.6	20.6	88.8	88.8	6.1		7.1		9		-				-		-	
						3.9	0.6	198	29.1		8.1		20.6		88.8		6.1		7.1		10		-				-		-	
					Bottom	6.7	0.4	231	29.1	29.1	8.1	8.1	20.7	20.7	89.3	89.3	6.1	6.1	8.3		10		-				-		-	
						6.7	0.4	235	29.1		8.1		20.7		89.3		6.1		8.4		11		-				-		-	
SR4A	Rainy	Moderate	10:38	8.4	Surface	1.0	2.2	246	29.0	29.0	8.2	8.2	20.1	20.1	74.1	73.9	6.1	5.7	8.6	12.7	6	7	-	-	817185	807809	-	-	-	-
						1.0	2.4	260	29.0		8.2		20.1		73.6		6.1		8.8		7		-				-		-	
					Middle	4.2	1.9	241	26.6	26.6	7.9	7.9	30.9	30.9	34.3	34.3	5.3		13.9		7		-				-		-	
						4.2	2.0	246	26.5		7.9		31.0		34.3		5.3		14.3		6		-				-		-	
					Bottom	7.4	1.9	242	26.3	26.3	7.9	7.9	31.6	31.6	36.5	36.7	5.5	5.5	15.4		9		-				-		-	
						7.4	2.0	248	26.3		7.9		31.6		36.8		5.5		15.4		8		-				-		-	
SR5A	Rainy	Moderate	10:21	3.7	Surface	1.0	0.1	320	29.3	29.3	8.2	8.2	20.0	20.0	93.8	93.9	6.4	6.4	10.0	10.7	8	8	-	-	816598	810688	-	-	-	-
						1.0	0.1	345	29.3		8.2		20.0		93.9		6.4		9.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	329	29.4	29.4	8.2	8.2	20.6	20.6	97.2	97.4	6.6	6.7	11.5		8		-				-		-	
						2.7	0.0	350	29.4		8.2		20.6		97.5		6.7		11.5		9		-				-		-	
SR6A	Rainy	Moderate	09:51	4.2	Surface	1.0	0.1	10	29.3	29.3	8.2	8.2	20.6	20.6	95.1	95.0	6.5	6.5	6.6	9.0	10	9	-	-	817969	814718	-	-	-	-
						1.0	0.1	10	29.3		8.2		20.6		94.9		6.5		6.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	12	29.3	29.3	8.1	8.1	20.8	20.8	94.5	94.7	6.5	6.5	11.2		9		-				-		-	
						3.2	0.1	12	29.3		8.1		20.8		94.8		6.5		11.3		8		-				-		-	
SR7	Cloudy	Rough	11:53	17.7	Surface	1.0	0.8	71	29.0	29.0	8.3	8.3	21.4	21.4	99.4	99.4	6.8	5.9	3.1	4.0	6	7	-	-	823640	823732	-	-	-	-
						1.0	0.8	75	29.0		8.3		21.4		99.3		6.8		3.1		7		-				-		-	
					Middle	8.9	0.3	45	27.6	27.6	8.1	8.1	26.4	26.4	74.2	74.2	5.0		4.2		6		-				-		-	
						8.9	0.3	48	27.6		8.1		26.4		74.1		5.0		4.2		7		-				-		-	
					Bottom	16.7	0.1	297	26.9	26.9	8.1	8.1	28.6	28.6	62.5	62.5	4.3	4.3	4.8		7		-				-		-	
						16.7	0.1	317	26.9		8.1		28.6		62.4		4.2		4.8		6		-				-		-	
SR8	Cloudy	Rough	10:19	4.2	Surface	1.0	-	-	29.5	29.5	8.2	8.2	19.3	19.3	98.3	98.3	6.7	6.7	5.1	6.8	6	6	-	-	820375	811601	-	-	-	-
						1.0	-	-	29.5		8.2		19.3		98.3		6.7		5.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.3	29.3	8.2	8.2	19.5	19.5	96.8	96.8	6.7	6.7	8.5		6		-				-		-	
						3.2	-	-	29.3		8.2		19.5		96.8		6.7		8.6		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 22 June 21 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	03:52	8.4	Surface	1.0	2.2	318	28.3	28.3	8.0	8.0	23.6	23.6	66.3	66.4	4.5	4.3	9.4	14.4	5	5	86	88	815602	804249	<0.2	<0.2	1.2	1.1
						1.0	2.4	321	28.3		8.0		23.6		66.4		4.5		9.8		5		86				<0.2		1.1	
					Middle	4.2	2.6	319	28.2	28.2	8.0	8.0	24.1	24.1	58.2	58.1	4.0		14.9		5		87				<0.2		1.0	
						4.2	2.8	343	28.2		8.0		24.1		57.9		4.0		14.8		4		88				<0.2		1.0	
					Bottom	7.4	2.7	314	27.1	27.2	7.9	7.9	28.9	28.9	42.2	42.5	2.9	2.9	18.8		5		89				<0.2		1.1	
						7.4	2.7	345	27.2		7.9		28.8		42.8		2.9		19.0		5		90				<0.2		1.2	
C2	Rainy	Rough	05:40	10.7	Surface	1.0	1.0	155	29.4	29.4	8.2	8.2	16.3	16.3	93.8	93.8	6.5	6.1	5.5	6.5	9	10	82	86	825667	806955	<0.2	<0.2	1.3	1.5
						1.0	1.0	162	29.4		8.2		16.3		93.7		6.5		5.5		10		83				<0.2		1.3	
					Middle	5.4	0.8	163	28.9	28.9	8.1	8.1	22.6	22.7	82.1	82.0	5.6		6.6		11		86				<0.2		1.6	
						5.4	0.8	171	28.9		8.1		22.8		81.8		5.6		6.6		10		86				<0.2		1.6	
					Bottom	9.7	0.1	132	28.1	28.1	8.1	8.1	26.0	26.0	70.5	70.6	4.8	4.8	7.4		10		90				<0.2		1.5	
						9.7	0.1	141	28.1		8.1		26.0		70.7		4.8		7.4		11		90				<0.2		1.5	
C3	Rainy	Rough	03:25	13.2	Surface	1.0	0.4	283	28.3	28.3	8.2	8.2	23.8	23.8	87.7	87.7	6.0	5.9	4.4	4.3	4	4	82	86	822097	817817	<0.2	<0.2	1.2	1.3
						1.0	0.4	300	28.3		8.2		23.8		87.6		6.0		4.4		3		82				<0.2		1.2	
					Middle	6.6	0.5	271	28.1	28.1	8.1	8.1	24.7	24.7	84.1	84.1	5.7		4.7		4		86				<0.2		1.1	
						6.6	0.5	292	28.1		8.1		24.7		84.0		5.7		4.7		3		87				<0.2		1.2	
					Bottom	12.2	0.3	281	27.4	27.4	8.1	8.1	27.4	27.4	73.6	73.7	5.0	5.0	3.8		4		90				<0.2		1.4	
						12.2	0.4	309	27.4		8.1		27.4		73.8		5.0		3.9		3		91				<0.2		1.4	
IM1	Cloudy	Moderate	03:31	4.4	Surface	1.0	0.0	206	28.0	28.0	8.1	8.1	22.5	22.5	74.6	72.4	5.2	5.1	4.0	6.6	5	7	86	88	817960	807122	<0.2	<0.2	1.2	1.3
						1.0	0.0	208	27.9		8.1		22.5		70.1		5.0		3.9		5		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	307	27.4	27.4	7.9	7.9	28.1	28.0	46.3	47.2	5.1	5.2	9.2		11		90				<0.2		1.3	
						3.4	0.0	328	27.4		7.9		28.0		48.1		5.3		9.1		6		89				<0.2		1.4	
IM2	Cloudy	Moderate	03:23	6.5	Surface	1.0	2.3	355	28.4	28.4	8.1	8.1	23.1	23.1	68.5	68.4	5.7	5.8	6.3	8.7	5	6	86	88	818149	806167	<0.2	<0.2	1.2	1.2
						1.0	2.4	327	28.4		8.1		23.1		68.3		5.7		6.4		6		85				<0.2		1.1	
					Middle	3.3	2.3	359	27.4	27.4	8.0	8.0	27.5	27.5	43.0	42.2	5.9		8.4		6		87				<0.2		1.2	
						3.3	2.4	330	27.4		8.0		27.5		41.3		5.8		8.1		6		88				<0.2		1.2	
					Bottom	5.5	2.1	359	26.2	26.2	7.9	7.9	30.8	30.8	33.8	34.0	5.3	5.3	11.6		7		90				<0.2		1.2	
						5.5	2.3	330	26.2		7.9		30.7		34.2		5.3		11.4		8		90				<0.2		1.2	
IM3	Cloudy	Moderate	03:15	6.5	Surface	1.0	2.7	349	28.4	28.4	8.1	8.1	22.2	22.2	74.4	74.3	5.1	5.1	6.0	9.5	6	9	85	88	818765	805607	<0.2	<0.2	1.2	1.3
						1.0	2.7	321	28.3		8.1		22.2		74.1		5.1		6.0		6		85				<0.2		1.3	
					Middle	3.3	2.6	349	27.4	27.4	8.0	8.0	25.6	25.6	57.3	57.1	5.0		8.2		11		87				<0.2		1.2	
						3.3	2.8	355	27.3		8.0		25.7		56.8		5.0		8.5		11		88				<0.2		1.3	
					Bottom	5.5	3.0	351	26.8	26.8	7.9	7.9	29.5	29.4	45.6	46.2	5.1	5.2	14.6		9		90				<0.2		1.4	
						5.5	2.1	323	26.8		7.9		29.4		46.7		5.2		14.0		8		90				<0.2		1.4	
IM4	Cloudy	Moderate	03:06	7.7	Surface	1.0	2.5	295	28.6	28.6	8.1	8.1	19.1	19.1	83.3	83.0	5.8	5.4	10.2	11.6	5	7	86	87	819738	804612	<0.2	<0.2	1.3	1.2
						1.0	2.5	306	28.5		8.1		19.2		82.7		5.8		10.6		6		85				<0.2		1.2	
					Middle	3.9	2.4	303	27.9	27.9	8.0	8.0	24.1	24.2	57.0	56.6	5.0		12.5		10		87				<0.2		1.2	
						3.9	2.4	331	27.9		8.0		24.2		56.1		5.0		12.5		5		82				<0.2		1.3	
					Bottom	6.7	2.7	315	26.3	26.3	7.9	7.9	30.6	30.7	40.4	40.8	5.7	5.8	11.9		6		90				<0.2		1.1	
						6.7	2.8	325	26.3		7.9		30.7		41.2		5.8		11.7		12		90				<0.2		1.2	
IM5	Cloudy	Moderate	02:57	7.1	Surface	1.0	1.2	242	29.1	29.1	8.1	8.1	18.9	18.9	87.9	87.9	6.1	6.1	9.2	11.5	7	7	86	87	820749	804880	<0.2	<0.2	1.2	1.2
						1.0	1.3	245	29.1		8.1		18.9		87.9		6.1		9.4		6		86				<0.2		1.2	
					Middle	3.6	1.1	244	29.1	29.1	8.1	8.1	19.0	19.0	87.6	87.7	6.1		12.1		6		87				<0.2		1.3	
						3.6	1.3	265	29.1		8.1		19.0		87.7		6.1		12.2		7		88				<0.2		1.2	
					Bottom	6.1	1.1	242	29.1	29.1	8.1	8.1	18.9	18.9	88.6	88.7	6.1	6.1	12.8		8		88				<0.2		1.1	
						6.1	1.1	252	29.1		8.1		18.9		88.7		6.1		13.1		9		89				<0.2		1.1	
IM6	Cloudy	Moderate	02:52	6.6	Surface	1.0	1.5	0	29.2	29.2	8.1	8.1	18.7	18.7	88.0	87.9	6.1	6.1	7.1	8.7	6	7	86	88	821050	805835	<0.2	<0.2	1.2	1.2
						1.0	1.7	0	29.2		8.1		18.8		87.8		6.1		7.2		6		85				<0.2		1.2	
					Middle	3.3	1.7	5	29.1	29.1	8.1	8.1	19.1	19.1	87.6	87.6	6.1		9.2		6		87				<0.2		1.2	
						3.3	1.7	5	29.1		8.1		19.1		87.6		6.1		9.2		7		88				<0.2		1.1	
					Bottom	5.6	1.8	11	29.1	29.1	8.1	8.1	19.1	19.1	88.5	88.6	6.1	6.1	9.9		9		90				<0.2		1.3	
						5.6	1.8	12	29.1		8.1		19.1		88.6		6.1		9.7		8		92				<0.2		1.1	
IM7	Cloudy	Moderate	02:45	7.6	Surface	1.0	1.5	228	29.2	29.2	8.1	8.1	17.1	17.1	87.8	87.7	6.1	6.0	5.4	7.8	8	7	86	88	821359	806830	<0.2	<0.2	1.3	1.3
						1.0	1.7	237	29.2		8.1		17.1		87.6		6.1		5.6		9		85				<0.2		1.3	
					Middle	3.8	1.3	230	29.1	29.1	8.1	8.1	19.6	19.6	86.0	86.0	5.9		8.0		7		87				<0.2		1.3	
						3.8	1.5	239	29.1		8.1		19.6		85.9		5.9		8.2		6		88				<0.2		1.2	
					Bottom	6.6	1.1	233	29.1	29.1	8.1	8.1	19.9	19.9	86.0	86.1	5.9	5.9	9.8		6		90				<0.2		1.4	
						6.6	1.3	234	29.1		8.1		19.9		86.1		5.9		9.6		6		91				<0.2		1.4	
IM8	Rainy	Rough	05:09	7.2	Surface	1.0	0.3	244	29.3	29.3	8.2	8.2	19.5	19.5	94.1	94.1	6.5	6.5	4.9	6.8	4	5	83	86	821825	808132	<0.2	<0.2	1.4	1.4
						1.0	0.3	258	29.3		8.2		19.5		94.1		6.5		5.0		5		83				<0.2		1.5	
					Middle	3.6	0.5	241	29.2	29.2	8.2	8.2	19.5	19.5	93.4	93.4	6.4		7.1		5		86				<0.2		1.4	
						3.6	0.5	251	29.2		8.2		19.5		93.4		6.4		7.1		4		86				<0.2		1.3	
					Bottom	6.2	0.4	251	29.2	29.2	8.2	8.2	19.5	19.5	93.4	93.4	6.4	6.4	8.5		5		90				<0.2		1.4	
						6.2	0.4	253	29.2		8.2		19.5		93.4		6.4		8.5		6		90				<0.2		1.2	

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 22 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Rough	05:05	6.2	Surface	1.0	0.2	180	29.3	29.3	8.2	8.2	19.2	19.2	95.6	95.6	6.6	6.5	4.4	5.6	6	5	82	87	822110	808825	<0.2	<0.2	1.6	1.5
						1.0	0.2	197	29.3		8.2		19.2		95.6		6.6		4.4		6		83				<0.2		1.6	
					Middle	3.1	0.2	196	29.2	29.2	8.2	8.2	19.5	19.5	93.4	93.4	6.4		5.7		4		86				<0.2		1.4	
						3.1	0.2	209	29.2		8.2		19.6		93.3		6.4		5.8		5		87				<0.2		1.5	
					Bottom	5.2	0.2	211	29.2	29.2	8.2	8.2	19.7	19.7	92.4	92.4	6.4	6.4	6.8		4		90				<0.2		1.5	
						5.2	0.2	211	29.2		8.2		19.7		92.4		6.4		6.8		5		91				<0.2		1.4	
IM10	Rainy	Rough	04:57	6.8	Surface	1.0	0.3	162	29.3	29.3	8.2	8.2	19.4	19.4	94.9	94.9	6.5	6.5	4.8	5.3	5	5	82	87	822371	809799	<0.2	<0.2	1.3	1.5
						1.0	0.4	168	29.3		8.2		19.4		94.9		6.5		4.8		6		83				<0.2		1.3	
					Middle	3.4	0.3	152	29.3	29.3	8.2	8.2	19.7	19.7	93.2	93.2	6.4		5.2		6		86				<0.2		1.5	
						3.4	0.3	156	29.3		8.2		19.7		93.2		6.4		5.2		5		87				<0.2		1.6	
					Bottom	5.8	0.1	148	29.2	29.2	8.2	8.2	19.9	19.9	91.7	91.8	6.3	6.3	5.8		4		90				<0.2		1.5	
						5.8	0.2	151	29.2		8.2		19.9		91.8		6.3		5.8		4		91				<0.2		1.6	
IM11	Rainy	Rough	04:45	8.1	Surface	1.0	0.2	138	29.2	29.2	8.2	8.2	18.6	18.6	99.2	99.2	6.9	6.6	3.1	4.7	5	5	83	87	822037	811480	<0.2	<0.2	1.6	1.6
						1.0	0.2	143	29.2		8.2		18.6		99.1		6.9		3.1		5		83				<0.2		1.6	
					Middle	4.1	0.2	106	29.2	29.2	8.2	8.2	19.8	19.8	91.3	91.3	6.3		5.7		6		86				<0.2		1.3	
						4.1	0.2	113	29.2		8.2		19.8		91.3		6.3		5.8		5		86				<0.2		1.4	
					Bottom	7.1	0.1	83	28.8	28.8	8.1	8.1	21.9	21.9	83.4	83.5	5.7	5.7	5.3		6		90				<0.2		1.7	
						7.1	0.1	83	28.8		8.1		21.9		83.6		5.7		5.3		5		91				<0.2		1.7	
IM12	Rainy	Rough	04:38	8.9	Surface	1.0	0.0	162	29.1	29.1	8.2	8.2	19.4	19.4	93.7	93.7	6.5	6.4	7.0	4.0	5	6	82	87	821474	812024	<0.2	<0.2	1.2	1.3
						1.0	0.0	166	29.1		8.2		19.4		93.6		6.5		7.1		6		83				<0.2		1.3	
					Middle	4.5	0.1	344	29.1	29.1	8.2	8.2	19.4	19.4	91.9	91.9	6.3		2.6		6		86				<0.2		1.4	
						4.5	0.1	348	29.1		8.2		19.4		91.9		6.3		2.6		7		87				<0.2		1.5	
					Bottom	7.9	0.2	304	29.0	29.0	8.2	8.2	20.0	20.0	89.1	89.2	6.1	6.1	2.3		6		90				<0.2		1.3	
						7.9	0.2	332	29.0		8.2		20.0		89.2		6.1		2.3		7		91				<0.2		1.3	
SR1A	Rainy	Rough	04:09	4.7	Surface	1.0	-	-	29.1	29.1	8.2	8.2	19.7	19.7	94.4	94.4	6.5	6.5	5.4	5.2	5	5	-	-	819975	812664	-	-	-	-
						1.0	-	-	29.1		8.2		19.7		94.4		6.5		5.3		6		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	29.1	29.1	8.2	8.2	20.4	20.4	94.0	94.0	6.5	6.5	5.1		5		-				-		-	
						3.7	-	-	29.1		8.2		20.4		94.0		6.5		5.1		4		-				-		-	
SR2	Rainy	Rough	03:51	3.8	Surface	1.0	0.2	349	29.1	29.1	8.2	8.2	19.9	19.9	92.2	92.2	6.3	6.3	5.4	5.7	6	6	83	87	821481	814180	<0.2	<0.2	1.3	1.3
						1.0	0.2	321	29.1		8.2		19.9		92.2		6.3		5.5		7		83				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	339	29.1	29.1	8.2	8.2	20.0	20.0	91.9	91.9	6.3	6.3	6.0		6		90				<0.2		1.3	
						2.8	0.2	312	29.1		8.2		20.0		91.9		6.3		6.0		5		91				<0.2		1.3	
SR3	Rainy	Rough	05:15	8.6	Surface	1.0	0.5	222	29.2	29.2	8.2	8.2	17.2	17.2	95.6	95.6	6.7	6.5	4.6	7.0	4	5	-	-	822155	807586	-	-	-	-
						1.0	0.5	225	29.2		8.2		17.2		95.5		6.7		4.6		5		-				-		-	
					Middle	4.3	0.4	247	29.2	29.2	8.2	8.2	20.3	20.2	89.7	89.7	6.2		6.9		5		-				-		-	
						4.3	0.4	267	29.2		8.2		20.2		89.7		6.2		6.9		6		-				-		-	
					Bottom	7.6	0.4	268	29.2	29.2	8.2	8.2	20.7	20.7	88.4	88.4	6.1	6.1	9.4		6		-				-		-	
						7.6	0.4	286	29.2		8.2		20.7		88.4		6.1		9.5		5		-				-		-	
SR4A	Cloudy	Moderate	04:13	8.9	Surface	1.0	1.5	59	29.5	29.5	8.2	8.2	20.6	20.6	93.1	93.1	6.3	6.3	13.7	15.5	13	12	-	-	817204	807810	-	-	-	-
						1.0	1.6	60	29.5		8.2		20.6		93.0		6.3		13.2		12		-				-		-	
					Middle	4.5	1.5	63	29.5	29.5	8.2	8.2	20.7	20.7	92.9	93.0	6.3		14.9		13		-				-		-	
						4.5	1.6	63	29.5		8.2		20.7		93.0		6.3		14.3		12		-				-		-	
					Bottom	7.9	1.5	66	29.5	29.5	8.2	8.2	20.6	20.6	93.4	93.5	6.4	6.4	18.6		12		-				-		-	
						7.9	1.6	67	29.5		8.2		20.6		93.6		6.4		18.6		11		-				-		-	
SR5A	Cloudy	Moderate	04:32	4.0	Surface	1.0	0.3	311	29.4	29.4	8.2	8.2	20.7	20.6	96.2	96.1	6.6	6.6	7.2	9.0	7	15	-	-	816581	810717	-	-	-	-
						1.0	0.3	323	29.4		8.2		20.6		95.9		6.5		7.2		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.3	312	29.4	29.4	7.9	7.9	20.3	20.3	62.2	62.7	4.3	4.3	10.8		25		-				-		-	
						3.0	0.3	341	29.4		8.0		20.3		63.2		4.3		10.7		12		-				-		-	
SR6A	Cloudy	Moderate	05:05	4.5	Surface	1.0	0.0	4	29.1	29.1	8.2	8.2	21.0	21.0	99.3	99.3	6.8	6.8	9.1	10.4	4	5	-	-	817973	814737	-	-	-	-
						1.0	0.0	4	29.1		8.2		21.0		99.2		6.8		9.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	350	29.1	29.1	8.2	8.2	21.2	21.2	98.4	98.4	6.7	6.7	12.2		5		-				-		-	
						3.5	0.0	358	29.1		8.2		21.2		98.4		6.7		11.4		5		-				-		-	
SR7	Rainy	Rough	02:48	19.6	Surface	1.0	0.1	116	28.4	28.4	8.2	8.2	23.0	23.0	92.1	92.1	5.3	5.0	2.8	3.4	5	5	-	-	823641	823752	-	-	-	-
						1.0	0.1	123	28.4		8.2		23.0		92.1		5.3		2.8		4		-				-		-	
					Middle	9.8	0.1	92	28.2	28.2	8.2	8.2	24.4	24.4	87.5	87.5	4.6		3.5		5		-				-		-	
						9.8	0.1	97	28.2		8.2		24.4		87.5		4.6		3.4		6		-				-		-	
					Bottom	18.6	0.1	256	28.0	28.0	8.2	8.2	25.1	25.1	85.1	85.1	4.3	4.3	3.9		6		-				-		-	
						18.6	0.1	269	28.0		8.2		25.2		85.0		4.4		3.9		5		-				-		-	
SR8	Rainy	Rough	04:30	4.8	Surface	1.0	-	-	29.3	29.3	8.2	8.2	19.7	19.6	93.8	93.8	6.4	6.4	6.7	7.8	6	7	-	-	820408	811614	-	-	-	-
						1.0	-	-	29.3		8.2		19.6		93.8		6.4		6.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	29.2	29.2	8.2	8.2	19.9	19.9	92.2	92.2	6.3	6.3	8.9		7		-				-		-	
						3.8	-	-	29.2		8.2		19.9		92.2		6.3		8.9		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 24 June 21 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	11:49	8.8	Surface	1.0	0.4	135	26.2	26.2	8.0	8.0	28.0	27.9	55.7	55.7	3.9	3.7	4.9	7.3	5	5	-	-	815622	804259	-	-	-	-
						1.0	0.5	133	26.1		8.0		27.9		55.7		3.9		5.4		5		-				-		-	
					Middle	4.4	0.4	126	25.8	25.8	8.0	8.0	31.2	31.3	50.5	50.4	3.5		7.6		5		-				-		-	
						4.4	0.4	128	25.7		8.0		31.4		50.3		3.4		7.2		4		-				-		-	
					Bottom	7.8	0.5	155	25.7	25.7	8.0	8.0	31.8	31.8	59.0	59.7	4.0	4.1	9.1		5		-				-		-	
						7.8	0.5	147	25.7		8.0		31.8		60.3		4.1		9.9		4		-				-		-	
C2	Rainy	Calm	10:51	11.9	Surface	1.0	0.4	164	27.5	27.5	7.5	7.5	21.9	22.0	62.6	62.2	4.4	3.9	4.1	5.6	6	6	-	-	825667	806931	-	-	-	-
						1.0	0.4	173	27.4		7.5		22.1		61.7		4.3		4.1		6		-				-		-	
					Middle	6.0	0.5	166	26.8	26.8	7.4	7.4	27.4	27.5	49.1	48.9	3.4		5.8		5		-				-		-	
						6.0	0.5	169	26.7		7.4		27.7		48.7		3.3		5.7		6		-				-		-	
					Bottom	10.9	0.4	150	26.6	26.6	7.4	7.4	28.5	28.5	48.5	48.7	3.3	3.3	6.9		6		-				-		-	
						10.9	0.4	154	26.6		7.4		28.5		48.8		3.3		7.0		6		-				-		-	
C3	Rainy	Calm	12:46	12.4	Surface	1.0	0.2	108	26.9	26.9	7.5	7.5	25.4	25.5	59.3	59.1	4.1	3.9	5.6	6.5	5	5	-	-	822132	817820	-	-	-	-
						1.0	0.3	110	26.8		7.5		25.5		58.8		4.1		5.6		6		-				-		-	
					Middle	6.2	0.1	80	26.4	26.4	7.5	7.5	28.4	28.5	53.5	53.3	3.7		6.0		4		-				-		-	
						6.2	0.1	87	26.4		7.5		28.6		53.1		3.7		6.0		5		-				-		-	
					Bottom	11.4	0.2	47	26.3	26.3	7.5	7.5	29.3	29.2	57.5	58.4	3.9	4.0	7.7		5		-				-		-	
						11.4	0.2	47	26.3		7.5		29.2		59.2		4.1		7.9		4		-				-		-	
IM1	Rainy	Moderate	11:31	5.4	Surface	1.0	0.1	110	26.5	26.5	8.0	8.0	27.0	27.0	49.1	48.9	3.4	**3.4**	7.4	8.4	6	5	-	-	817945	807151	-	-	-	-
						1.0	0.1	112	26.5		8.0		27.0		48.7		3.4		7.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	123	26.4	26.4	8.0	8.0	29.1	29.1	48.4	48.7	3.3	3.4	9.1		4		-				-		-	
						4.4	0.1	132	26.3		8.0		29.1		49.0		3.4		9.2		3		-				-		-	
IM2	Rainy	Moderate	11:23	7.2	Surface	1.0	0.2	141	26.7	26.7	8.0	8.0	26.0	26.0	58.4	58.5	4.0	**3.8**	6.5	10.5	5	5	-	-	818169	806185	-	-	-	-
						1.0	0.2	135	26.7		8.0		26.0		58.5		4.1		6.6		5		-				-		-	
					Middle	3.6	0.1	108	26.1	26.1	8.0	8.0	29.5	29.5	50.9	51.0	3.5		7.4		5		-				-		-	
						3.6	0.2	109	26.1		8.0		29.6		51.0		3.5		7.6		5		-				-		-	
					Bottom	6.2	0.1	99	26.0	26.0	8.0	8.0	30.0	30.0	52.6	52.8	3.6	3.6	17.5		4		-				-		-	
						6.2	0.1	97	26.0		8.0		30.0		52.9		3.6		17.5		4		-				-		-	
IM3	Rainy	Moderate	11:16	7.2	Surface	1.0	0.2	122	26.7	26.7	8.0	8.0	25.0	25.0	61.7	61.7	4.3	**3.7**	5.4	9.9	6	6	-	-	818792	805601	-	-	-	-
						1.0	0.2	125	26.7		8.0		25.0		61.6		4.3		5.7		7		-				-		-	
					Middle	3.6	0.1	131	26.2	26.2	8.0	8.0	29.4	29.5	45.9	46.0	3.1		10.6		7		-				-		-	
						3.6	0.1	134	26.2		8.0		29.5		46.1		3.2		10.8		6		-				-		-	
					Bottom	6.2	0.2	144	26.1	26.1	8.0	8.0	29.9	29.9	48.5	48.6	3.3	3.3	13.1		5		-				-		-	
						6.2	0.2	142	26.1		8.0		29.9		48.7		3.3		13.6		5		-				-		-	
IM4	Rainy	Moderate	11:07	7.6	Surface	1.0	0.2	143	26.5	26.5	8.0	8.0	28.2	28.2	48.1	48.1	3.3	**3.3**	8.2	8.9	12	9	-	-	819732	804590	-	-	-	-
						1.0	0.3	144	26.5		8.0		28.2		48.1		3.3		8.1		11		-				-		-	
					Middle	3.8	0.3	122	26.5	26.5	8.0	8.0	28.2	28.2	48.2	48.3	3.3		7.9		10		-				-		-	
						3.8	0.3	132	26.5		8.0		28.2		48.3		3.3		7.9		5		-				-		-	
					Bottom	6.6	0.2	156	26.1	26.1	8.0	8.0	29.9	30.0	50.2	50.3	3.4	3.5	10.4		9		-				-		-	
						6.6	0.2	165	26.0		8.0		30.0		50.4		3.5		10.8		5		-				-		-	
IM5	Rainy	Moderate	11:00	8.3	Surface	1.0	0.2	178	26.5	26.5	8.0	8.0	28.0	28.0	49.0	49.1	3.4	**3.3**	7.0	10.5	5	6	-	-	820716	804882	-	-	-	-
						1.0	0.2	177	26.5		8.0		28.0		49.1		3.4		7.0		5		-				-		-	
					Middle	4.2	0.3	181	26.0	26.0	8.0	8.0	30.3	30.4	45.3	45.4	3.1		10.7		6		-				-		-	
						4.2	0.3	183	25.9		8.0		30.4		45.4		3.1		11.2		7		-				-		-	
					Bottom	7.3	0.3	180	25.9	26.0	8.0	8.0	30.6	30.6	46.9	47.1	3.2	3.2	13.8		7		-				-		-	
						7.3	0.3	179	26.0		8.0		30.6		47.3		3.2		13.6		6		-				-		-	
IM6	Rainy	Moderate	10:54	8.1	Surface	1.0	0.2	165	27.5	27.5	8.0	8.0	23.4	23.5	66.0	65.9	4.6	**3.9**	5.4	10.6	6	6	-	-	821069	805838	-	-	-	-
						1.0	0.2	166	27.5		8.0		23.5		65.8		4.6		5.5		5		-				-		-	
					Middle	4.1	0.3	172	26.3	26.3	8.0	8.0	28.8	28.9	47.3	47.3	3.2		12.3		6		-				-		-	
						4.1	0.3	175	26.3		8.0		28.9		47.3		3.2		12.2		7		-				-		-	
					Bottom	7.1	0.3	181	26.2	26.2	8.0	8.0	29.5	29.5	48.0	48.3	3.3	3.3	14.2		6		-				-		-	
						7.1	0.3	177	26.2		8.0		29.5		48.6		3.3		14.4		7		-				-		-	
IM7	Rainy	Moderate	10:49	8.4	Surface	1.0	0.3	177	27.6	27.6	8.0	8.0	22.9	22.9	65.9	65.8	4.6	4.2	5.0	7.6	6	6	-	-	821362	806834	-	-	-	-
						1.0	0.3	175	27.6		8.0		22.9		65.7		4.6		5.1		6		-				-		-	
					Middle	4.2	0.3	168	26.8	26.8	8.0	8.0	25.9	25.8	53.8	54.0	3.7		7.2		5		-				-		-	
						4.2	0.3	166	26.8		8.0		25.8		54.2		3.8		7.1		6		-				-		-	
					Bottom	7.4	0.2	167	26.4	26.4	8.0	8.0	28.6	28.6	51.3	51.4	3.5	3.5	10.8		5		-				-		-	
						7.4	0.3	154	26.4		8.0		28.6		51.5		3.5		10.3		5		-				-		-	
IM8	Rainy	Calm	11:15	8.2	Surface	1.0	0.2	157	27.6	27.6	7.5	7.5	20.3	20.4	68.3	66.8	4.8	4.2	4.4	5.6	5	5	-	-	821830	808123	-	-	-	-
						1.0	0.2	161	27.5		7.5		20.4		65.2		4.6		4.3		6		-				-		-	
					Middle	4.1	0.1	148	27.0	27.0	7.5	7.5	23.8	23.8	54.1	52.4	3.8		5.9		4		-				-		-	
						4.1	0.2	151	27.0		7.5		23.9		50.7		3.5		5.8		4		-				-		-	
					Bottom	7.2	0.2	26	27.1	27.2	7.5	7.5	26.9	26.8	51.2	51.4	3.5	3.5	6.8		4		-				-		-	
						7.2	0.2	27	27.2		7.5		26.7		51.6		3.5		6.5		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 June 21 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	Calm	11:22	8.0	Surface	1.0	0.3	156	27.8	27.8	7.5	7.5	21.6	21.6	75.2	75.1	5.2	4.7	5.8	6.7	4	5	-	-	822072	808794	-	-	-	-
						1.0	0.3	160	27.8		7.5		21.7		74.9		5.2		5.9		5		-				-		-	
					Middle	4.0	0.4	148	27.3	27.3	7.4	7.4	23.2	23.3	62.0	59.9	4.3		6.8		5		-				-		-	
						4.0	0.4	150	27.2		7.4		23.3		57.8		4.0		6.7		4		-				-		-	
					Bottom	7.0	0.3	89	27.2	27.2	7.4	7.4	25.3	25.3	58.1	58.4	4.0	4.0	7.6		4		-				-		-	
						7.0	0.3	90	27.2		7.4		25.3		58.6		4.0		7.5		5		-				-		-	
IM10	Rainy	Calm	11:31	7.8	Surface	1.0	0.8	112	27.8	27.8	7.5	7.5	21.7	21.8	73.1	72.9	5.1	4.8	2.8	3.6	5	5	-	-	822366	809814	-	-	-	-
						1.0	0.8	113	27.7		7.5		21.9		72.6		5.1		2.7		6		-				-		-	
					Middle	3.9	0.7	111	27.4	27.4	7.5	7.5	22.4	22.5	64.6	63.8	4.5		3.7		6		-				-		-	
						3.9	0.8	118	27.4		7.5		22.5		63.0		4.4		3.6		5		-				-		-	
					Bottom	6.8	0.6	88	27.6	27.6	7.5	7.5	24.9	24.8	58.3	59.0	4.0	4.1	4.4		5		-				-		-	
						6.8	0.6	94	27.6		7.5		24.8		59.6		4.1		4.4		4		-				-		-	
IM11	Rainy	Calm	11:41	8.6	Surface	1.0	0.8	106	27.8	27.8	7.5	7.5	22.0	22.0	72.7	72.4	5.1	4.7	2.3	3.1	6	6	-	-	822064	811464	-	-	-	-
						1.0	0.9	109	27.8		7.5		22.1		72.1		5.0		2.2		7		-				-		-	
					Middle	4.3	0.7	103	27.5	27.5	7.5	7.5	23.2	23.1	62.6	62.7	4.3		3.1		5		-				-		-	
						4.3	0.7	110	27.4		7.5		23.0		62.8		4.4		3.1		6		-				-		-	
					Bottom	7.6	0.4	99	27.6	27.7	7.5	7.5	24.8	24.8	57.6	58.2	4.0	4.0	4.0		5		-				-		-	
						7.6	0.4	105	27.7		7.5		24.7		58.8		4.0		4.1		5		-				-		-	
IM12	Rainy	Calm	11:46	9.6	Surface	1.0	0.9	128	27.5	27.5	7.5	7.5	22.4	22.4	66.6	66.3	4.6	4.2	5.8	6.7	5	5	-	-	821451	812028	-	-	-	-
						1.0	0.9	135	27.4		7.5		22.4		65.9		4.6		5.8		6		-				-		-	
					Middle	4.8	0.6	124	27.2	27.2	7.4	7.4	25.6	25.6	54.8	54.9	3.8		6.4		5		-				-		-	
						4.8	0.6	124	27.2		7.4		25.6		55.0		3.8		6.4		6		-				-		-	
					Bottom	8.6	0.5	112	27.1	27.1	7.4	7.4	26.0	26.0	58.4	58.9	4.0	4.1	7.8		5		-				-		-	
						8.6	0.5	113	27.1		7.4		26.0		59.3		4.1		7.8		4		-				-		-	
SR1A	Rainy	Calm	12:01	5.6	Surface	1.0	-	-	27.6	27.6	7.5	7.5	22.2	22.2	68.8	68.6	4.8	4.8	4.6	5.2	6	6	-	-	819971	812659	-	-	-	-
						1.0	-	-	27.6		7.5		22.2		68.4		4.8		4.5		5		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	27.6	27.7	7.5	7.5	25.1	25.0	58.6	59.1	4.0	4.1	5.8		6		-				-		-	
						4.6	-	-	27.7		7.5		25.0		59.5		4.1		5.8		5		-				-		-	
SR2	Rainy	Calm	12:09	4.6	Surface	1.0	0.5	102	27.7	27.7	7.5	7.5	22.6	22.7	69.9	69.2	4.9	4.8	2.4	2.7	5	6	-	-	821478	814180	-	-	-	-
						1.0	0.6	108	27.7		7.5		22.8		68.5		4.7		2.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	93	27.8	27.8	7.5	7.5	23.8	23.7	62.7	63.4	4.3	4.4	3.0		7		-				-		-	
						3.6	0.2	96	27.8		7.5		23.7		64.1		4.4		3.0		6		-				-		-	
SR3	Rainy	Calm	11:06	9.6	Surface	1.0	0.4	212	27.7	27.7	7.5	7.5	21.1	21.2	65.0	64.4	4.6	4.3	5.2	6.6	5	5	-	-	822143	807567	-	-	-	-
						1.0	0.4	226	27.6		7.5		21.2		63.8		4.5		5.7		6		-				-		-	
					Middle	4.8	0.1	244	27.3	27.3	7.5	7.5	23.2	23.2	57.8	57.5	4.0		6.4		4		-				-		-	
						4.8	0.1	249	27.2		7.5		23.2		57.2		4.0		6.6		5		-				-		-	
					Bottom	8.6	0.2	29	27.1	27.2	7.5	7.5	26.2	26.1	51.2	51.4	3.5	3.5	7.7		4		-				-		-	
						8.6	0.2	31	27.2		7.5		26.0		51.5		3.5		7.7		4		-				-		-	
SR4A	Rainy	Moderate	12:14	8.6	Surface	1.0	0.2	99	26.7	26.7	8.0	8.0	25.7	25.7	54.9	54.5	3.8	**3.5**	7.5	10.4	3	5	-	-	817208	807807	-	-	-	-
						1.0	0.2	102	26.6		8.0		25.8		54.1		3.8		7.8		4		-				-		-	
					Middle	4.3	0.4	97	26.4	26.4	8.0	8.0	29.0	29.0	46.8	46.9	3.2		10.9		4		-				-		-	
						4.3	0.4	89	26.4		8.0		29.0		47.0		3.2		11.2		5		-				-		-	
					Bottom	7.6	0.4	111	26.4	26.4	8.0	8.0	29.1	29.0	55.7	56.2	3.8	3.9	12.6		6		-				-		-	
						7.6	0.5	121	26.4		8.0		29.0		56.7		3.9		12.6		7		-				-		-	
SR5A	Rainy	Moderate	12:31	3.6	Surface	1.0	0.2	123	27.3	27.3	8.0	8.0	24.3	24.4	63.5	63.5	4.4	4.4	8.5	9.5	5	5	-	-	816593	810715	-	-	-	-
						1.0	0.2	128	27.2		8.0		24.5		63.5		4.4		8.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	168	27.1	27.1	8.0	8.0	24.9	24.9	64.4	64.7	4.5	4.5	10.3		5		-				-		-	
						2.6	0.1	159	27.1		8.0		24.9		64.9		4.5		10.5		4		-				-		-	
SR6A	Rainy	Moderate	13:07	4.7	Surface	1.0	0.1	134	27.3	27.3	8.0	8.0	24.0	24.0	61.2	61.2	4.2	4.2	9.2	9.4	12	8	-	-	817964	814737	-	-	-	-
						1.0	0.1	124	27.3		8.0		24.0		61.1		4.2		9.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	111	27.1	27.1	8.0	8.0	26.3	26.4	62.1	62.5	4.3	4.3	9.5		4		-				-		-	
						3.7	0.1	108	27.0		8.0		26.5		62.8		4.3		9.8		12		-				-		-	
SR7	Rainy	Calm	13:13	15.7	Surface	1.0	0.9	69	26.9	26.9	7.5	7.5	25.5	25.5	55.4	55.1	3.8	**3.6**	4.3	5.5	6	5	-	-	823618	823753	-	-	-	-
						1.0	1.0	70	26.8		7.5		25.5		54.7		3.8		4.3		5		-				-		-	
					Middle	7.9	0.6	57	26.5	26.5	7.5	7.5	28.2	28.3	48.1	47.9	3.3		5.6		5		-				-		-	
						7.9	0.6	58	26.4		7.5		28.4		47.6		3.3		5.6		5		-				-		-	
					Bottom	14.7	0.5	27	26.8	26.9	7.5	7.5	29.0	29.0	48.3	48.9	3.3	3.4	6.4		5		-				-		-	
						14.7	0.5	28	26.9		7.5		28.9		49.4		3.4		6.5		5		-				-		-	
SR8	Rainy	Calm	11:57	5.1	Surface	1.0	-	-	27.7	27.7	7.5	7.5	22.7	22.7	69.6	69.6	4.8	4.8	1.1	2.0	5	6	-	-	820399	811631	-	-	-	-
						1.0	-	-	27.7		7.5		22.8		69.5		4.8		1.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	27.7	27.8	7.5	7.5	22.7	22.6	63.1	63.6	4.4	4.5	2.9		6		-				-		-	
						4.1	-	-	27.8		7.5		22.6		64.1		4.5		2.9		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 June 21 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	06:03	8.2	Surface	1.0	0.2	47	26.1	26.1	8.0	8.0	26.1	26.0	57.7	57.4	4.0	3.4	10.8	11.2	7	7	-	-	815638	804264	-	-	-	-
						1.0	0.2	46	26.0		8.0		25.9		57.1		4.0		10.8		6		-				-		-	
					Middle	4.1	0.3	55	25.5	25.5	8.0	8.0	32.0	32.0	41.3	41.3	2.8		12.9		6		-				-		-	
						4.1	0.3	56	25.5		8.0		32.0		41.2		2.8		12.9		7		-				-		-	
					Bottom	7.2	0.2	67	25.3	25.3	8.0	8.0	32.7	32.7	40.9	40.9	2.8	2.8	10.0		7		-				-		-	
						7.2	0.2	66	25.3		8.0		32.7		40.9		2.8		10.1		7		-				-		-	
C2	Rainy	Calm	07:18	12.4	Surface	1.0	0.3	20	27.8	27.8	7.5	7.5	20.8	20.8	65.7	65.3	4.6	4.1	6.2	7.4	6	5	-	-	825679	806940	-	-	-	-
						1.0	0.3	22	27.7		7.5		20.8		64.8		4.5		6.0		6		-				-		-	
					Middle	6.2	0.2	15	27.2	27.2	7.5	7.5	24.7	24.7	52.7	52.6	3.6		7.5		5		-				-		-	
						6.2	0.2	17	27.2		7.5		24.7		52.5		3.6		7.4		5		-				-		-	
					Bottom	11.4	0.2	78	27.6	27.7	7.5	7.5	26.3	26.3	52.4	53.1	3.6	3.7	8.6		5		-				-		-	
						11.4	0.2	76	27.8		7.5		26.2		53.8		3.7		8.7		5		-				-		-	
C3	Rainy	Calm	04:57	12.8	Surface	1.0	0.4	222	26.2	26.2	7.5	7.5	27.9	27.9	52.2	52.1	3.6	3.4	2.4	4.2	4	4	-	-	822130	817804	-	-	-	-
						1.0	0.4	239	26.1		7.5		27.9		52.0		3.6		2.6		5		-				-		-	
					Middle	6.4	0.5	240	25.7	25.7	7.5	7.5	30.8	30.8	46.5	46.7	3.2		4.3		4		-				-		-	
						6.4	0.6	255	25.7		7.5		30.8		46.9		3.2		4.4		4		-				-		-	
					Bottom	11.8	0.2	236	25.9	25.9	7.5	7.5	30.9	30.9	51.8	52.2	3.5	3.6	5.9		5		-				-		-	
						11.8	0.2	250	25.9		7.5		30.9		52.6		3.6		5.9		4		-				-		-	
IM1	Cloudy	Moderate	06:25	5.1	Surface	1.0	0.1	57	27.1	27.1	8.0	8.0	23.5	23.5	67.5	67.5	4.7	4.7	4.9	6.9	5	5	-	-	817927	807151	-	-	-	-
						1.0	0.1	59	27.1		8.0		23.5		67.4		4.7		5.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	100	26.5	26.5	8.0	8.0	28.3	28.3	51.6	52.0	3.5	3.6	9.0		4		-				-		-	
						4.1	0.0	99	26.5		8.0		28.4		52.4		3.6		8.7		5		-				-		-	
IM2	Cloudy	Moderate	06:31	6.9	Surface	1.0	0.2	111	26.8	26.8	8.0	8.0	25.0	25.0	64.7	64.7	4.5	**3.9**	4.7	10.0	3	4	-	-	818156	806175	-	-	-	-
						1.0	0.2	98	26.8		8.0		25.0		64.7		4.5		4.7		4		-				-		-	
					Middle	3.5	0.2	76	26.3	26.3	8.0	8.0	29.0	29.0	46.4	46.5	3.2		9.9		3		-				-		-	
						3.5	0.2	77	26.3		8.0		29.0		46.5		3.2		9.9		4		-				-		-	
					Bottom	5.9	0.2	81	26.3	26.3	8.0	8.0	29.5	29.5	48.6	48.8	3.3	3.4	15.8		5		-				-		-	
						5.9	0.2	88	26.3		8.0		29.5		49.0		3.4		15.3		4		-				-		-	
IM3	Cloudy	Moderate	06:38	7.2	Surface	1.0	0.2	72	26.7	26.7	8.0	8.0	25.9	25.9	59.1	59.1	4.1	**3.9**	6.6	9.1	4	5	-	-	818787	805579	-	-	-	-
						1.0	0.2	75	26.7		8.0		25.9		59.1		4.1		6.8		3		-				-		-	
					Middle	3.6	0.2	77	26.5	26.5	8.0	8.0	27.8	27.8	51.8	51.8	3.6		6.6		4		-				-		-	
						3.6	0.3	78	26.5		8.0		27.8		51.7		3.6		6.6		4		-				-		-	
					Bottom	6.2	0.2	67	26.3	26.3	8.0	8.0	29.3	29.3	46.9	47.0	3.2	3.2	13.6		8		-				-		-	
						6.2	0.2	68	26.3		8.0		29.3		47.1		3.2		14.3		4		-				-		-	
IM4	Cloudy	Moderate	06:47	7.4	Surface	1.0	0.2	56	26.7	26.7	8.0	8.0	25.8	25.9	62.9	63.0	4.4	**3.9**	4.1	8.1	3	3	-	-	819743	804609	-	-	-	-
						1.0	0.2	55	26.7		8.0		25.9		63.0		4.4		4.1		3		-				-		-	
					Middle	3.7	0.3	57	26.2	26.2	8.0	8.0	29.5	29.5	49.3	49.4	3.4		9.1		3		-				-		-	
						3.7	0.3	57	26.2		8.0		29.5		49.4		3.4		9.2		3		-				-		-	
					Bottom	6.4	0.3	81	26.1	26.1	8.0	8.0	29.7	29.7	51.4	52.0	3.5	3.6	10.9		3		-				-		-	
						6.4	0.3	76	26.1		8.0		29.8		52.5		3.6		11.0		4		-				-		-	
IM5	Cloudy	Moderate	06:54	8.2	Surface	1.0	0.2	74	27.4	27.4	8.0	8.0	22.0	22.0	66.6	66.6	4.7	4.3	4.3	8.9	3	3	-	-	820734	804865	-	-	-	-
						1.0	0.2	67	27.3		8.0		22.0		66.5		4.7		4.4		3		-				-		-	
					Middle	4.1	0.2	53	26.5	26.5	8.0	8.0	26.8	26.7	54.3	54.3	3.8		8.7		3		-				-		-	
						4.1	0.2	52	26.5		8.0		26.6		54.2		3.8		9.4		4		-				-		-	
					Bottom	7.2	0.3	54	26.2	26.2	8.0	8.0	29.5	29.5	53.1	54.0	3.6	3.7	13.0		4		-				-		-	
						7.2	0.3	55	26.2		8.0		29.5		54.8		3.8		13.6		3		-				-		-	
IM6	Cloudy	Moderate	07:02	7.8	Surface	1.0	0.3	51	27.6	27.6	8.0	8.0	22.5	22.5	64.9	64.8	4.5	4.1	4.8	7.8	3	4	-	-	821070	805846	-	-	-	-
						1.0	0.3	52	27.5		8.0		22.5		64.7		4.5		5.0		3		-				-		-	
					Middle	3.9	0.3	45	26.6	26.6	8.0	8.0	27.4	27.4	54.2	54.4	3.7		8.6		3		-				-		-	
						3.9	0.2	44	26.6		8.0		27.4		54.5		3.8		8.7		3		-				-		-	
					Bottom	6.8	0.3	56	26.6	26.6	8.0	8.0	27.7	27.7	57.7	59.9	4.0	4.2	9.7		5		-				-		-	
						6.8	0.3	51	26.6		8.0		27.7		62.1		4.3		9.8		4		-				-		-	
IM7	Cloudy	Moderate	07:09	8.1	Surface	1.0	0.3	43	27.8	27.8	8.0	8.0	22.0	21.9	66.2	66.2	4.6	4.1	5.1	11.3	3	3	-	-	821344	806830	-	-	-	-
						1.0	0.2	44	27.8		8.0		21.9		66.2		4.6		5.2		3		-				-		-	
					Middle	4.1	0.3	42	26.7	26.7	8.0	8.0	26.4	26.4	52.3	52.3	3.6		13.6		3		-				-		-	
						4.1	0.3	42	26.6		8.0		26.4		52.2		3.6		13.3		4		-				-		-	
					Bottom	7.1	0.3	51	26.5	26.5	8.0	8.0	28.1	28.1	52.1	52.4	3.6	3.6	15.4		3		-				-		-	
						7.1	0.3	48	26.5		8.0		28.1		52.6		3.6		15.3		4		-				-		-	
IM8	Rainy	Calm	06:47	9.0	Surface	1.0	0.2	258	27.8	27.7	7.5	7.5	19.5	19.5	71.8	70.9	5.1	4.3	6.5	7.5	3	2	-	-	821809	808127	-	-	-	-
						1.0	0.2	258	27.6		7.5		19.5		69.9		4.9		6.5		2		-				-		-	
					Middle	4.5	0.2	197	27.0	27.0	7.5	7.5	24.0	24.1	51.6	51.4	3.6		7.7		3		-				-		-	
						4.5	0.3	205	27.0		7.5		24.2		51.2		3.6		7.7		2		-				-		-	
					Bottom	8.0	0.4	250	27.5	27.6	7.5	7.5	26.3	26.2	52.6	53.1	3.6	3.7	8.5		<2		-				-		-	
						8.0	0.4	225	27.7		7.5		26.2		53.6		3.7		8.4		<2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 June 21 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	Calm	06:41	8.2	Surface	1.0	0.5	256	27.7	27.6	7.5	7.5	19.7	19.7	69.5	68.8	4.9	4.4	4.7	5.7	3	3	-	-	822115	808830	-	-	-	-
						1.0	0.5	256	27.5		7.5		19.7		68.0		4.8		4.6		3		-				-		-	
					Middle	4.1	0.5	267	27.1	27.1	7.5	7.5	24.2	24.2	57.5	57.5	4.0		5.7		3		-				-		-	
						4.1	0.5	272	27.0		7.5		24.1		57.5		4.0		5.7		3		-				-		-	
					Bottom	7.2	0.3	262	27.0	27.0	7.5	7.5	26.6	26.6	57.1	57.6	3.9	4.0	6.7		2		-				-		-	
						7.2	0.3	264	27.0		7.5		26.6		58.0		4.0		6.6		3		-				-		-	
IM10	Rainy	Calm	06:32	8.6	Surface	1.0	0.5	282	27.5	27.5	7.5	7.5	23.8	23.8	60.7	60.6	4.2	**3.9**	5.2	6.5	2	2	-	-	822391	809778	-	-	-	-
						1.0	0.5	283	27.4		7.5		23.8		60.4		4.2		5.2		2		-				-		-	
					Middle	4.3	0.4	284	27.2	27.2	7.5	7.5	25.9	26.0	53.3	53.2	3.7		6.3		3		-				-		-	
						4.3	0.5	288	27.1		7.5		26.1		53.0		3.6		6.4		2		-				-		-	
					Bottom	7.6	0.3	284	27.2	27.2	7.5	7.5	26.6	26.7	51.9	51.9	3.6	3.6	7.8		2		-				-		-	
						7.6	0.3	276	27.2		7.5		26.7		51.8		3.5		7.9		3		-				-		-	
IM11	Rainy	Calm	06:19	8.6	Surface	1.0	0.2	253	27.3	27.3	7.5	7.5	24.0	24.0	58.6	58.5	4.1	**4.0**	5.3	6.6	2	2	-	-	822077	811443	-	-	-	-
						1.0	0.2	254	27.3		7.5		24.0		58.3		4.0		5.4		3		-				-		-	
					Middle	4.3	0.1	263	27.1	27.1	7.5	7.5	26.1	26.1	58.7	58.8	4.0		6.8		2		-				-		-	
						4.3	0.1	267	27.1		7.5		26.2		58.8		4.0		6.7		2		-				-		-	
					Bottom	7.6	0.2	299	27.0	27.0	7.5	7.5	26.7	26.6	62.2	62.8	4.3	4.4	7.8		2		-				-		-	
						7.6	0.2	304	27.0		7.5		26.6		63.4		4.4		7.8		2		-				-		-	
IM12	Rainy	Calm	06:10	10.2	Surface	1.0	0.1	253	27.1	27.1	7.5	7.5	25.1	25.1	56.9	56.9	3.9	**3.7**	5.6	6.5	2	2	-	-	821471	812039	-	-	-	-
						1.0	0.1	265	27.1		7.5		25.0		56.9		3.9		5.5		3		-				-		-	
					Middle	5.1	0.2	270	26.7	26.7	7.5	7.5	27.7	27.7	50.6	50.6	3.5		6.6		3		-				-		-	
						5.1	0.2	275	26.7		7.5		27.8		50.6		3.5		6.6		2		-				-		-	
					Bottom	9.2	0.1	277	26.5	26.5	7.5	7.5	28.4	28.4	51.2	51.3	3.5	3.5	7.4		2		-				-		-	
						9.2	0.1	275	26.5		7.5		28.4		51.4		3.5		7.3		2		-				-		-	
SR1A	Rainy	Calm	05:39	5.6	Surface	1.0	-	-	26.9	26.9	7.5	7.5	23.4	23.4	60.1	59.7	4.2	4.2	8.2	8.6	3	3	-	-	819976	812665	-	-	-	-
						1.0	-	-	26.9		7.5		23.4		59.2		4.2		8.2		3		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	27.1	27.2	7.5	7.4	28.6	28.6	50.2	50.7	3.4	3.5	9.0		3		-				-		-	
						4.6	-	-	27.2		7.4		28.6		51.1		3.5		9.0		4		-				-		-	
SR2	Rainy	Calm	05:21	5.8	Surface	1.0	0.1	219	26.9	26.9	7.5	7.4	23.5	23.6	62.5	61.9	4.4	4.4	5.9	6.4	3	3	-	-	821451	814170	-	-	-	-
						1.0	0.1	228	26.8		7.4		23.6		61.3		4.3		5.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.1	228	26.6	26.7	7.4	7.4	28.8	28.7	53.2	55.6	3.6	3.8	6.9		3		-				-		-	
						4.8	0.1	250	26.7		7.4		28.6		58.0		4.0		6.9		3		-				-		-	
SR3	Rainy	Calm	06:54	10.2	Surface	1.0	0.3	48	27.8	27.8	7.5	7.5	21.0	20.9	65.5	65.3	4.6	4.3	5.2	6.3	3	3	-	-	822142	807570	-	-	-	-
						1.0	0.3	45	27.8		7.5		20.8		65.0		4.6		5.2		3		-				-		-	
					Middle	5.1	0.3	41	27.3	27.3	7.5	7.5	24.2	24.2	56.3	56.3	3.9		6.5		3		-				-		-	
						5.1	0.3	44	27.2		7.5		24.2		56.3		3.9		6.4		4		-				-		-	
					Bottom	9.2	0.3	65	27.0	27.0	7.5	7.5	26.7	26.6	51.9	52.1	3.6	3.6	7.4		4		-				-		-	
						9.2	0.3	66	27.0		7.5		26.6		52.2		3.6		7.4		3		-				-		-	
SR4A	Cloudy	Moderate	05:39	8.4	Surface	1.0	0.3	222	27.0	27.0	8.0	8.0	24.7	24.7	62.4	62.4	4.3	4.1	5.8	9.0	7	7	-	-	817181	807786	-	-	-	-
						1.0	0.3	225	27.0		8.0		24.7		62.3		4.3		5.8		7		-				-		-	
					Middle	4.2	0.4	271	26.9	26.9	8.0	8.0	25.5	25.5	56.3	56.3	3.9		9.6		6		-				-		-	
						4.2	0.4	265	26.9		8.0		25.5		56.2		3.9		9.7		7		-				-		-	
					Bottom	7.4	0.4	246	26.9	26.9	8.0	8.0	25.7	25.7	57.5	57.8	4.0	4.0	11.4		7		-				-		-	
						7.4	0.4	243	26.9		8.0		25.6		58.0		4.0		11.5		6		-				-		-	
SR5A	Cloudy	Moderate	05:19	3.8	Surface	1.0	0.2	272	27.8	27.8	7.9	7.9	22.2	22.2	69.1	69.0	4.8	4.8	7.5	8.6	5	5	-	-	816587	810686	-	-	-	-
						1.0	0.2	270	27.7		7.9		22.2		68.9		4.8		7.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	256	27.7	27.7	7.8	7.8	22.5	22.5	68.1	68.6	4.7	4.8	9.5		5		-				-		-	
						2.8	0.2	255	27.7		7.8		22.5		69.0		4.8		9.6		4		-				-		-	
SR6A	Cloudy	Moderate	04:49	4.5	Surface	1.0	0.2	221	27.9	27.9	7.9	7.9	21.5	21.5	68.1	68.0	4.8	4.8	6.8	7.6	5	5	-	-	817983	814756	-	-	-	-
						1.0	0.2	208	27.9		7.9		21.5		67.9		4.7		7.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	200	27.8	27.8	7.9	7.9	23.1	23.1	63.1	63.2	4.4	4.4	8.3		3		-				-		-	
						3.5	0.2	210	27.8		7.9		23.1		63.2		4.4		8.2		4		-				-		-	
SR7	Rainy	Calm	04:26	20.0	Surface	1.0	0.1	280	26.4	26.4	7.5	7.5	28.3	28.4	49.5	49.5	3.4	**3.3**	4.2	4.8	3	3	-	-	823621	823734	-	-	-	-
						1.0	0.2	285	26.4		7.5		28.4		49.5		3.4		4.2		3		-				-		-	
					Middle	10.0	0.2	236	25.7	25.7	7.6	7.6	30.9	31.0	45.2	45.3	3.1		5.0		4		-				-		-	
						10.0	0.2	243	25.7		7.6		31.0		45.3		3.1		5.0		3		-				-		-	
					Bottom	19.0	0.1	243	25.7	25.7	7.6	7.6	31.0	31.0	50.4	50.7	3.5	3.5	5.1		4		-				-		-	
						19.0	0.2	247	25.7		7.6		30.9		51.0		3.5		5.2		3		-				-		-	
SR8	Rainy	Calm	06:01	5.7	Surface	1.0	-	-	27.0	27.0	7.5	7.5	26.5	26.5	57.2	57.4	3.9	4.0	7.8	8.3	3	3	-	-	820401	811617	-	-	-	-
						1.0	-	-	27.0		7.5		26.6		57.5		4.0		7.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	-	-	27.0	27.0	7.5	7.5	26.7	26.7	59.5	60.1	4.1	4.2	8.8		3		-				-		-	
						4.7	-	-	27.0		7.5		26.8		60.6		4.2		8.8		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 26 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	13:32	8.4	Surface	1.0	0.4	226	27.3	27.3	8.0	8.0	25.1	25.0	68.5	68.5	4.7	4.5	4.0	6.1	5	6	-	-	815633	804241	-	-	-	-
						1.0	0.4	240	27.3		8.0		25.0		68.5		4.7		3.9		5		-				-		-	
					Middle	4.2	0.2	185	26.3	26.3	8.0	8.0	29.2	29.2	62.4	62.3	4.3		3.4		6		-				-		-	
						4.2	0.2	190	26.2		8.0		29.3		62.2		4.3		3.5		6		-				-		-	
					Bottom	7.4	0.3	206	26.1	26.1	8.0	8.0	29.5	29.5	61.2	61.2	4.2	4.2	10.9		8		-				-		-	
						7.4	0.3	206	26.1		8.0		29.5		61.2		4.2		10.9		8		-				-		-	
C2	Cloudy	Moderate	12:27	11.4	Surface	1.0	0.4	188	27.8	27.8	7.6	7.6	19.8	19.8	66.5	66.5	4.7	4.4	4.6	10.9	4	4	-	-	825696	806945	-	-	-	-
						1.0	0.4	192	27.8		7.6		19.8		66.4		4.7		4.7		4		-				-		-	
					Middle	5.7	0.2	168	27.4	27.4	7.6	7.6	22.9	22.9	58.8	58.8	4.1		15.2		4		-				-		-	
						5.7	0.2	170	27.4		7.6		22.9		58.8		4.1		15.3		4		-				-		-	
					Bottom	10.4	0.3	191	27.0	27.0	7.6	7.6	25.8	25.8	50.2	50.4	3.5	3.5	12.6		5		-				-		-	
						10.4	0.3	201	27.0		7.6		25.8		50.5		3.5		12.8		5		-				-		-	
C3	Rainy	Moderate	14:27	10.8	Surface	1.0	0.2	111	27.1	27.1	7.6	7.6	24.8	24.8	58.9	58.9	4.1	4.0	3.3	3.9	3	3	-	-	822104	817808	-	-	-	-
						1.0	0.3	121	27.1		7.6		24.8		58.9		4.1		3.4		3		-				-		-	
					Middle	5.4	0.3	132	27.0	27.0	7.6	7.6	25.4	25.4	56.8	56.8	3.9		3.0		3		-				-		-	
						5.4	0.3	133	27.0		7.6		25.4		56.8		3.9		3.0		3		-				-		-	
					Bottom	9.8	0.2	144	26.8	26.8	7.7	7.7	26.5	26.6	52.7	52.7	3.6	3.6	5.0		4		-				-		-	
						9.8	0.2	155	26.7		7.7		26.6		52.6		3.6		5.5		4		-				-		-	
IM1	Rainy	Moderate	13:14	5.8	Surface	1.0	0.2	201	27.1	27.1	8.0	8.0	25.6	25.6	56.6	56.6	3.9	**3.9**	6.9	9.3	6	5	-	-	817969	807129	-	-	-	-
						1.0	0.2	204	27.0		8.0		25.6		56.6		3.9		6.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.1	167	26.5	26.5	8.0	8.0	27.8	27.8	57.0	57.1	3.9	3.9	11.8		4		-				-		-	
						4.8	0.1	173	26.5		8.0		27.8		57.2		3.9		11.7		3		-				-		-	
IM2	Cloudy	Moderate	13:06	7.6	Surface	1.0	0.2	193	26.9	26.9	8.0	8.0	25.9	25.9	57.9	57.9	4.0	**3.9**	5.5	10.9	4	3	-	-	818155	806186	-	-	-	-
						1.0	0.2	210	26.9		8.0		25.9		57.9		4.0		5.6		4		-				-		-	
					Middle	3.8	0.2	135	26.3	26.3	8.0	8.0	28.5	28.5	55.4	55.5	3.8		11.0		4		-				-		-	
						3.8	0.2	144	26.3		8.0		28.5		55.5		3.8		10.9		4		-				-		-	
					Bottom	6.6	0.2	129	26.3	26.3	8.0	8.0	28.7	28.7	56.7	56.8	3.9	3.9	16.1		2		-				-		-	
						6.6	0.2	134	26.3		8.0		28.7		56.9		3.9		16.2		2		-				-		-	
IM3	Rainy	Moderate	12:59	7.8	Surface	1.0	0.2	186	27.2	27.2	8.0	8.0	24.6	24.7	64.2	64.1	4.4	4.3	4.5	6.7	4	4	-	-	818772	805576	-	-	-	-
						1.0	0.3	197	27.2		8.0		24.7		64.0		4.4		4.5		4		-				-		-	
					Middle	3.9	0.2	131	26.6	26.6	8.0	8.0	27.0	27.0	61.6	61.5	4.3		5.0		4		-				-		-	
						3.9	0.2	134	26.6		8.0		27.0		61.4		4.2		4.9		4		-				-		-	
					Bottom	6.8	0.2	115	26.3	26.3	8.0	8.0	28.9	28.9	59.0	59.3	4.1	4.1	10.8		4		-				-		-	
						6.8	0.2	120	26.3		8.0		28.9		59.5		4.1		10.8		5		-				-		-	
IM4	Rainy	Moderate	12:50	8.7	Surface	1.0	0.4	202	26.9	26.9	8.0	8.0	25.7	25.7	58.2	58.2	4.0	**3.9**	7.4	9.9	5	4	-	-	819740	804607	-	-	-	-
						1.0	0.5	207	26.9		8.0		25.7		58.2		4.0		7.4		5		-				-		-	
					Middle	4.4	0.2	168	26.3	26.3	8.0	8.0	28.5	28.5	55.8	55.8	3.8		8.9		4		-				-		-	
						4.4	0.2	169	26.3		8.0		28.5		55.8		3.8		9.4		4		-				-		-	
					Bottom	7.7	0.2	127	26.2	26.2	8.0	8.0	29.0	29.0	56.6	56.8	3.9	3.9	13.2		3		-				-		-	
						7.7	0.2	133	26.2		8.0		29.0		56.9		3.9		13.1		3		-				-		-	
IM5	Cloudy	Moderate	12:42	8.2	Surface	1.0	0.2	234	27.1	27.1	8.0	8.0	24.5	24.5	59.9	60.1	4.2	4.1	6.7	10.3	3	4	-	-	820738	804872	-	-	-	-
						1.0	0.2	238	27.1		8.0		24.4		60.2		4.2		6.6		3		-				-		-	
					Middle	4.1	0.2	171	26.4	26.4	8.0	8.0	27.9	27.9	56.4	56.5	3.9		11.1		4		-				-		-	
						4.1	0.2	171	26.4		8.0		27.9		56.5		3.9		11.5		3		-				-		-	
					Bottom	7.2	0.1	163	26.4	26.4	8.0	8.0	28.1	28.1	57.8	58.1	4.0	4.0	13.0		4		-				-		-	
						7.2	0.1	167	26.4		8.0		28.1		58.3		4.0		13.0		4		-				-		-	
IM6	Cloudy	Moderate	12:35	8.4	Surface	1.0	0.3	258	27.2	27.2	8.0	8.0	23.7	23.6	64.5	64.6	4.5	4.2	7.8	9.6	5	4	-	-	821064	805837	-	-	-	-
						1.0	0.3	279	27.2		8.0		23.6		64.7		4.5		7.6		5		-				-		-	
					Middle	4.2	0.2	204	26.7	26.7	8.0	8.0	26.5	26.5	55.5	55.6	3.8		9.0		4		-				-		-	
						4.2	0.2	204	26.7		8.0		26.5		55.6		3.8		9.0		4		-				-		-	
					Bottom	7.4	0.1	172	26.6	26.6	8.0	8.0	27.1	27.1	57.0	57.2	3.9	4.0	12.0		4		-				-		-	
						7.4	0.2	187	26.6		8.0		27.1		57.3		4.0		12.0		2		-				-		-	
IM7	Cloudy	Moderate	12:27	8.7	Surface	1.0	0.2	223	27.5	27.5	8.0	8.0	22.3	22.3	62.2	62.2	4.3	4.2	7.0	7.8	7	6	-	-	821365	806855	-	-	-	-
						1.0	0.2	234	27.5		8.0		22.3		62.1		4.3		7.1		6		-				-		-	
					Middle	4.4	0.1	164	27.0	27.0	8.0	8.0	25.1	25.1	57.8	57.7	4.0		9.4		6		-				-		-	
						4.4	0.1	173	27.0		8.0		25.1		57.6		4.0		9.4		6		-				-		-	
					Bottom	7.7	0.1	123	26.9	26.9	8.0	8.0	25.5	25.5	57.4	57.5	4.0	4.0	6.8		6		-				-		-	
						7.7	0.1	132	26.9		8.0		25.5		57.5		4.0		7.0		6		-				-		-	
IM8	Cloudy	Moderate	12:53	8.2	Surface	1.0	0.3	168	27.8	27.8	7.5	7.5	21.3	21.3	62.0	62.1	4.3	4.3	4.7	7.2	4	3	-	-	821823	808147	-	-	-	-
						1.0	0.4	168	27.8		7.6		21.3		62.1		4.3		4.7		4		-				-		-	
					Middle	4.1	0.3	172	27.7	27.7	7.6	7.6	21.9	21.9	59.5	59.5	4.2		6.9		3		-				-		-	
						4.1	0.3	176	27.7		7.6		21.9		59.5		4.2		6.9		3		-				-		-	
					Bottom	7.2	0.2	141	27.3	27.3	7.6	7.6	23.9	23.9	59.0	59.1	4.1	4.1	9.7		3		-				-		-	
						7.2	0.2	142	27.3		7.6		24.0		59.2		4.1		10.2		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 26 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	12:59	7.5	Surface	1.0	0.3	152	28.0	28.0	7.6	7.6	20.7	20.7	69.2	69.2	4.8	4.4	1.2	7.8	4	4	-	-	822089	808833	-	-	-	-
						1.0	0.4	165	28.0		7.6		20.7		69.2		4.8		1.2		4		-				-		-	
					Middle	3.8	0.3	149	27.5	27.5	7.6	7.6	22.9	22.9	57.9	58.0	4.0		8.8		4		-				-		-	
						3.8	0.4	162	27.5		7.6		22.9		58.0		4.0		8.5		4		-				-		-	
					Bottom	6.5	0.3	146	27.4	27.4	7.6	7.6	23.2	23.2	58.8	58.9	4.1	4.1	13.7		4		-				-		-	
						6.5	0.3	156	27.4		7.6		23.2		58.9		4.1		13.5		5		-				-		-	
IM10	Cloudy	Moderate	13:07	7.3	Surface	1.0	0.3	149	27.9	27.9	7.6	7.6	20.9	20.9	68.1	68.1	4.8	4.5	1.0	6.6	4	4	-	-	822398	809808	-	-	-	-
						1.0	0.3	149	27.9		7.6		21.0		68.0		4.7		1.1		4		-				-		-	
					Middle	3.7	0.3	152	27.6	27.6	7.6	7.6	22.4	22.4	60.7	60.7	4.2		2.4		4		-				-		-	
						3.7	0.3	163	27.6		7.6		22.4		60.6		4.2		2.6		4		-				-		-	
					Bottom	6.3	0.3	144	27.4	27.4	7.6	7.6	23.2	23.2	57.8	57.8	4.0	4.0	16.0		4		-				-		-	
						6.3	0.3	155	27.4		7.6		23.2		57.8		4.0		16.3		4		-				-		-	
IM11	Cloudy	Moderate	13:17	8.9	Surface	1.0	0.3	140	28.1	28.1	7.5	7.5	20.2	20.2	69.5	69.5	4.9	4.7	1.3	10.9	4	4	-	-	822035	811469	-	-	-	-
						1.0	0.3	152	28.1		7.5		20.2		69.4		4.8		1.4		4		-				-		-	
					Middle	4.5	0.3	138	27.8	27.8	7.6	7.6	21.3	21.3	65.0	65.0	4.5		2.3		4		-				-		-	
						4.5	0.4	146	27.8		7.6		21.3		65.0		4.5		2.3		4		-				-		-	
					Bottom	7.9	0.3	140	27.3	27.3	7.6	7.6	23.8	23.8	57.4	57.5	4.0	4.0	29.1		5		-				-		-	
						7.9	0.3	141	27.3		7.6		23.8		57.5		4.0		29.2		5		-				-		-	
IM12	Cloudy	Moderate	13:23	8.7	Surface	1.0	0.3	133	28.2	28.2	7.5	7.5	19.9	19.9	71.9	71.9	5.0	4.4	1.3	14.2	5	5	-	-	821480	812046	-	-	-	-
						1.0	0.3	138	28.2		7.5		19.9		71.9		5.0		1.3		5		-				-		-	
					Middle	4.4	0.2	128	27.3	27.3	7.6	7.6	23.9	24.0	54.8	54.7	3.8		17.1		5		-				-		-	
						4.4	0.2	138	27.3		7.6		24.0		54.5		3.8		17.5		5		-				-		-	
					Bottom	7.7	0.2	134	27.0	27.0	7.6	7.6	25.3	25.3	51.6	51.6	3.6	3.6	24.0		5		-				-		-	
						7.7	0.3	140	27.0		7.6		25.3		51.6		3.6		24.2		6		-				-		-	
SR1A	Cloudy	Calm	13:53	5.6	Surface	1.0	-	-	27.8	27.8	7.5	7.5	22.0	22.0	62.3	62.3	4.3	4.3	5.0	4.9	3	4	-	-	819971	812658	-	-	-	-
						1.0	-	-	27.8		7.5		22.0		62.3		4.3		4.9		4		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	27.5	27.5	7.5	7.5	23.5	23.5	57.8	57.9	4.0	4.0	4.9		4		-				-		-	
						4.6	-	-	27.5		7.5		23.5		58.0		4.0		4.9		4		-				-		-	
SR2	Rainy	Moderate	14:09	4.8	Surface	1.0	0.4	111	27.6	27.6	7.6	7.6	22.2	22.2	62.2	62.3	4.3	4.3	3.6	6.8	2	3	-	-	821454	814145	-	-	-	-
						1.0	0.4	121	27.6		7.6		22.1		62.4		4.3		3.4		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	121	27.3	27.3	7.6	7.6	24.1	24.1	55.4	55.5	3.8	3.9	10.0		3		-				-		-	
						3.8	0.3	121	27.3		7.6		24.1		55.6		3.9		10.1		4		-				-		-	
SR3	Cloudy	Moderate	12:48	9.0	Surface	1.0	0.3	177	27.8	27.8	7.6	7.6	21.7	21.6	61.9	61.9	4.3	4.2	4.4	8.7	6	7	-	-	822167	807586	-	-	-	-
						1.0	0.4	177	27.8		7.6		21.6		61.9		4.3		4.5		6		-				-		-	
					Middle	4.5	0.4	181	27.5	27.5	7.6	7.6	22.9	22.9	57.2	57.1	4.0		8.6		7		-				-		-	
						4.5	0.4	181	27.5		7.6		23.0		57.0		4.0		9.0		7		-				-		-	
					Bottom	8.0	0.3	166	27.4	27.4	7.6	7.6	23.5	23.5	57.5	57.7	4.0	4.0	12.8		7		-				-		-	
						8.0	0.3	168	27.4		7.6		23.5		57.8		4.0		12.6		7		-				-		-	
SR4A	Rainy	Moderate	13:52	8.6	Surface	1.0	0.1	57	26.9	26.9	8.0	8.0	26.4	26.4	58.8	58.8	4.1	**3.9**	7.5	10.6	9	8	-	-	817189	807813	-	-	-	-
						1.0	0.1	59	26.9		8.0		26.4		58.8		4.0		7.8		8		-				-		-	
					Middle	4.3	0.1	71	26.6	26.6	8.0	8.0	27.5	27.5	54.4	54.5	3.7		11.8		8		-				-		-	
						4.3	0.1	72	26.6		8.0		27.5		54.6		3.8		11.8		8		-				-		-	
					Bottom	7.6	0.0	120	26.5	26.5	8.0	8.0	27.7	27.7	56.4	56.5	3.9	3.9	12.3		8		-				-		-	
						7.6	0.0	124	26.5		8.0		27.7		56.6		3.9		12.2		7		-				-		-	
SR5A	Rainy	Moderate	14:09	4.8	Surface	1.0	0.0	245	27.5	27.5	8.0	8.0	23.7	23.7	65.5	65.4	4.5	4.5	5.9	8.5	8	6	-	-	816607	810703	-	-	-	-
						1.0	0.0	260	27.5		8.0		23.7		65.2		4.5		6.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	54	27.1	27.1	8.0	8.0	24.8	24.8	64.0	64.3	4.4	4.5	11.0		4		-				-		-	
						3.8	0.0	55	27.1		8.0		24.7		64.5		4.5		11.1		4		-				-		-	
SR6A	Rainy	Moderate	14:41	4.7	Surface	1.0	0.0	81	27.6	27.6	8.0	8.0	23.5	23.4	65.8	65.8	4.6	4.6	8.9	9.6	6	8	-	-	817953	814751	-	-	-	-
						1.0	0.0	85	27.6		8.0		23.4		65.8		4.6		8.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	335	27.1	27.1	8.0	8.0	25.0	25.0	60.2	60.4	4.2	4.2	10.4		9		-				-		-	
						3.7	0.1	347	27.1		8.0		25.0		60.5		4.2		10.4		9		-				-		-	
SR7	Rainy	Moderate	14:55	14.4	Surface	1.0	0.4	67	27.3	27.3	7.6	7.6	24.2	24.2	61.3	61.3	4.2	**4.1**	1.0	1.4	3	2	-	-	823639	823750	-	-	-	-
						1.0	0.5	72	27.3		7.6		24.2		61.3		4.3		1.1		3		-				-		-	
					Middle	7.2	0.4	77	26.6	26.6	7.6	7.6	26.6	26.6	56.5	56.4	3.9		1.3		2		-				-		-	
						7.2	0.4	81	26.6		7.6		26.7		56.3		3.9		1.4		2		-				-		-	
					Bottom	13.4	0.4	80	26.5	26.5	7.7	7.7	27.3	27.3	55.6	55.6	3.8	3.8	1.8		2		-				-		-	
						13.4	0.4	82	26.5		7.7		27.3		55.6		3.8		1.9		2		-				-		-	
SR8	Cloudy	Calm	13:32	4.1	Surface	1.0	-	-	27.9	27.9	7.6	7.6	21.8	21.8	63.3	63.3	4.4	4.4	3.3	3.8	9	9	-	-	820375	811637	-	-	-	-
						1.0	-	-	27.9		7.6		21.8		63.3		4.4		3.3		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	28.1	28.1	7.6	7.6	22.5	22.5	65.5	65.6	4.5	4.5	4.3		8		-				-		-	
						3.1	-	-	28.1		7.6		22.5		65.7		4.5		4.4		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 June 21 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	07:06	8.8	Surface	1.0	0.5	31	26.5	26.5	8.0	8.0	27.3	27.3	57.4	57.4	4.0	3.9	9.1	12.1	7	6	-	-	815597	804264	-	-	-	-
						1.0	0.6	31	26.5		8.0		27.3		57.3		4.0		9.1		7		-				-		-	
					Middle	4.4	0.5	34	26.2	26.2	8.0	8.0	28.9	28.9	54.3	54.3	3.7		15.3		6		-				-		-	
						4.4	0.5	34	26.2		8.0		29.0		54.3		3.7		16.0		6		-				-		-	
					Bottom	7.8	0.5	36	26.1	26.1	8.0	8.0	29.5	29.5	54.1	54.2	3.7	3.7	11.5		5		-				-		-	
						7.8	0.5	39	26.1		8.0		29.5		54.2		3.7		11.5		5		-				-		-	
C2	Cloudy	Moderate	08:41	11.3	Surface	1.0	0.5	27	27.8	27.8	7.5	7.5	19.4	19.5	69.1	69.0	4.9	4.4	5.4	20.9	4	6	-	-	825705	806932	-	-	-	-
						1.0	0.5	28	27.8		7.5		19.5		68.9		4.9		5.5		4		-				-		-	
					Middle	5.7	0.5	34	27.2	27.2	7.5	7.5	23.9	23.9	56.5	56.5	3.9		29.0		6		-				-		-	
						5.7	0.5	36	27.2		7.5		23.9		56.4		3.9		29.5		6		-				-		-	
					Bottom	10.3	0.4	26	27.1	27.1	7.6	7.6	24.5	24.5	54.5	54.6	3.8	3.8	27.7		8		-				-		-	
						10.3	0.4	27	27.1		7.6		24.5		54.6		3.8		28.1		7		-				-		-	
C3	Rainy	Moderate	05:52	10.9	Surface	1.0	0.4	219	27.5	27.5	7.5	7.5	22.7	22.7	64.0	64.0	4.5	4.0	1.6	8.5	6	5	-	-	822121	817792	-	-	-	-
						1.0	0.4	222	27.5		7.5		22.7		63.9		4.4		1.7		6		-				-		-	
					Middle	5.5	0.5	222	26.5	26.5	7.5	7.5	27.5	27.5	50.3	50.3	3.5		1.4		5		-				-		-	
						5.5	0.5	230	26.5		7.5		27.5		50.3		3.5		1.4		5		-				-		-	
					Bottom	9.9	0.5	231	26.0	26.0	7.5	7.5	29.6	29.6	46.5	46.6	3.2	3.2	22.5		5		-				-		-	
						9.9	0.5	249	26.0		7.5		29.6		46.6		3.2		22.7		4		-				-		-	
IM1	Cloudy	Moderate	07:25	5.6	Surface	1.0	0.0	299	27.2	27.2	8.0	8.0	23.4	23.4	66.6	66.6	4.6	4.6	5.1	8.4	5	6	-	-	817962	807120	-	-	-	-
						1.0	0.0	324	27.2		8.0		23.4		66.6		4.6		5.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	322	26.9	26.9	8.0	8.0	25.8	25.7	58.6	58.7	4.1	4.1	11.5		7		-				-		-	
						4.6	0.1	350	26.9		8.0		25.7		58.8		4.1		11.4		7		-				-		-	
IM2	Cloudy	Moderate	07:32	7.8	Surface	1.0	0.3	343	27.1	27.1	8.0	8.0	24.5	24.4	64.5	64.6	4.5	4.2	5.5	13.1	8	7	-	-	818139	806175	-	-	-	-
						1.0	0.3	316	27.1		8.0		24.4		64.7		4.5		5.4		8		-				-		-	
					Middle	3.9	0.3	353	26.6	26.6	8.0	8.0	27.3	27.3	55.0	55.0	3.8		9.6		7		-				-		-	
						3.9	0.3	325	26.6		8.0		27.3		54.9		3.8		9.6		7		-				-		-	
					Bottom	6.8	0.2	23	26.5	26.5	8.0	8.0	27.8	27.8	54.8	54.9	3.8	3.8	25.3		6		-				-		-	
						6.8	0.3	23	26.5		8.0		27.8		54.9		3.8		23.1		5		-				-		-	
IM3	Cloudy	Moderate	07:39	7.9	Surface	1.0	0.4	343	27.1	27.1	8.0	8.0	24.2	24.2	66.5	66.4	4.6	4.4	5.2	7.8	6	6	-	-	818767	805600	-	-	-	-
						1.0	0.4	316	27.1		8.0		24.2		66.3		4.6		5.2		6		-				-		-	
					Middle	4.0	0.4	354	26.8	26.8	8.0	8.0	25.9	25.9	59.0	59.0	4.1		5.7		6		-				-		-	
						4.0	0.5	326	26.8		8.0		25.8		59.0		4.1		5.8		6		-				-		-	
					Bottom	6.9	0.2	340	26.5	26.5	8.0	8.0	28.0	28.0	55.3	55.4	3.8	3.8	12.4		7		-				-		-	
						6.9	0.2	352	26.5		8.0		28.0		55.5		3.8		12.6		7		-				-		-	
IM4	Rainy	Moderate	07:48	8.5	Surface	1.0	0.7	335	27.0	27.0	8.0	8.0	24.6	24.6	64.2	64.2	4.5	4.2	5.8	9.3	6	6	-	-	819733	804590	-	-	-	-
						1.0	0.7	308	27.0		8.0		24.6		64.1		4.4		5.7		6		-				-		-	
					Middle	4.3	0.7	346	26.8	26.8	8.0	8.0	25.8	25.8	57.7	57.7	4.0		6.1		6		-				-		-	
						4.3	0.7	318	26.8		8.0		25.8		57.6		4.0		6.1		6		-				-		-	
					Bottom	7.5	0.5	355	26.4	26.4	8.0	8.0	28.3	28.3	54.1	54.2	3.7	3.7	16.0		6		-				-		-	
						7.5	0.5	327	26.4		8.0		28.3		54.3		3.7		16.2		6		-				-		-	
IM5	Rainy	Moderate	07:55	8.2	Surface	1.0	1.0	358	27.3	27.3	8.0	8.0	23.4	23.4	68.1	68.1	4.7	4.3	4.8	10.9	5	5	-	-	820741	804890	-	-	-	-
						1.0	1.0	329	27.3		8.0		23.4		68.0		4.7		4.8		5		-				-		-	
					Middle	4.1	0.9	11	26.8	26.8	8.0	8.0	26.1	26.1	57.0	57.0	3.9		12.1		5		-				-		-	
						4.1	0.9	11	26.8		8.0		26.1		57.0		3.9		12.2		5		-				-		-	
					Bottom	7.2	0.5	31	26.7	26.7	8.0	8.0	26.8	26.8	57.3	57.5	4.0	4.0	15.9		6		-				-		-	
						7.2	0.5	31	26.7		8.0		26.8		57.6		4.0		15.9		6		-				-		-	
IM6	Rainy	Moderate	08:03	7.8	Surface	1.0	0.1	285	27.6	27.6	8.0	8.0	21.1	21.1	65.6	65.4	4.6	4.4	5.1	10.6	5	6	-	-	821067	805823	-	-	-	-
						1.0	0.1	305	27.5		8.0		21.2		65.2		4.6		5.4		5		-				-		-	
					Middle	3.9	0.2	43	27.1	27.1	8.0	8.0	23.6	23.6	60.6	60.6	4.2		10.7		6		-				-		-	
						3.9	0.2	44	27.1		8.0		23.6		60.6		4.2		10.3		6		-				-		-	
					Bottom	6.8	0.3	68	26.9	26.9	8.0	8.0	25.9	25.9	56.5	56.6	3.9	3.9	16.3		6		-				-		-	
						6.8	0.3	68	26.9		8.0		25.9		56.6		3.9		16.1		6		-				-		-	
IM7	Rainy	Moderate	08:13	8.5	Surface	1.0	0.1	241	27.7	27.7	8.0	8.0	20.7	20.8	67.5	67.5	4.7	4.5	5.2	9.3	5	7	-	-	821369	806856	-	-	-	-
						1.0	0.1	262	27.7		8.0		20.8		67.4		4.7		5.3		5		-				-		-	
					Middle	4.3	0.2	156	27.1	27.1	8.0	8.0	24.2	24.2	62.0	62.0	4.3		11.0		7		-				-		-	
						4.3	0.2	159	27.1		8.0		24.2		61.9		4.3		10.7		7		-				-		-	
					Bottom	7.5	0.2	140	27.0	27.0	8.0	8.0	24.6	24.6	61.1	61.1	4.2	4.2	11.8		8		-				-		-	
						7.5	0.2	140	27.0		8.0		24.6		61.1		4.2		11.8		7		-				-		-	
IM8	Cloudy	Moderate	08:10	7.9	Surface	1.0	0.5	241	28.0	28.0	7.5	7.5	18.8	18.8	73.9	73.9	5.2	5.0	1.9	7.2	6	5	-	-	821815	808149	-	-	-	-
						1.0	0.6	259	28.0		7.5		18.8		73.9		5.2		1.9		5		-				-		-	
					Middle	4.0	0.5	219	27.9	27.9	7.5	7.5	20.1	20.1	66.6	66.6	4.7		4.2		5		-				-		-	
						4.0	0.5	236	27.9		7.5		20.1		66.6		4.7		4.1		5		-				-		-	
					Bottom	6.9	0.4	227	27.3	27.3	7.5	7.5	23.4	23.3	61.5	61.6	4.3	4.3	15.6		4		-				-		-	
						6.9	0.4	236	27.3		7.5		23.3		61.7		4.3		15.4		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 26 June 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:04	7.6	Surface	1.0	0.5	239	27.9	27.9	7.5	7.5	20.3	20.3	64.2	64.2	4.5	4.4	2.7	10.6	5	4	-	-	822095	808819	-	-	-	-
						1.0	0.5	253	27.9		7.5		20.3		64.1		4.5		2.7		6		-				-		-	
					Middle	3.8	0.5	226	27.5	27.5	7.5	7.5	22.4	22.4	61.7	61.7	4.3		10.1		4		-				-		-	
						3.8	0.5	229	27.5		7.5		22.3		61.7		4.3		9.7		4		-				-		-	
					Bottom	6.6	0.5	248	27.2	27.2	7.5	7.5	23.9	23.9	55.9	55.9	3.9	3.9	19.1		4		-				-		-	
						6.6	0.5	259	27.2		7.5		23.9		55.9		3.9		19.3		3		-				-		-	
IM10	Cloudy	Moderate	07:55	8.1	Surface	1.0	0.3	231	27.8	27.8	7.5	7.5	21.0	21.0	60.4	60.4	4.2	4.1	3.5	7.2	4	4	-	-	822400	809807	-	-	-	-
						1.0	0.4	249	27.8		7.5		21.0		60.3		4.2		3.5		4		-				-		-	
					Middle	4.1	0.3	216	27.5	27.5	7.5	7.5	22.7	22.7	56.7	56.7	3.9		10.0		4		-				-		-	
						4.1	0.3	221	27.5		7.5		22.7		56.7		3.9		9.9		4		-				-		-	
					Bottom	7.1	0.3	229	27.4	27.4	7.4	7.4	23.2	23.2	56.5	56.6	3.9	3.9	8.1		4		-				-		-	
						7.1	0.4	240	27.4		7.4		23.2		56.7		3.9		8.1		4		-				-		-	
IM11	Cloudy	Moderate	07:16	7.7	Surface	1.0	0.3	221	27.4	27.4	7.5	7.5	23.7	23.7	57.3	57.2	4.0	**3.9**	2.8	7.0	4	4	-	-	822063	811453	-	-	-	-
						1.0	0.3	225	27.3		7.5		23.7		57.1		4.0		2.9		4		-				-		-	
					Middle	3.9	0.3	234	27.1	27.1	7.5	7.5	24.7	24.7	53.1	53.2	3.7		6.4		4		-				-		-	
						3.9	0.3	252	27.1		7.5		24.7		53.2		3.7		6.5		4		-				-		-	
					Bottom	6.7	0.3	222	26.7	26.7	7.5	7.5	26.7	26.7	51.8	51.8	3.6	3.6	11.6		5		-				-		-	
						6.7	0.3	236	26.7		7.5		26.7		51.8		3.6		12.0		5		-				-		-	
IM12	Cloudy	Moderate	07:08	8.8	Surface	1.0	0.3	213	27.0	27.0	7.5	7.5	25.3	25.3	51.6	51.6	3.6	**3.6**	9.9	15.1	4	5	-	-	821452	812023	-	-	-	-
						1.0	0.4	218	27.0		7.5		25.3		51.6		3.6		10.0		4		-				-		-	
					Middle	4.4	0.3	220	26.9	26.9	7.5	7.5	25.8	25.8	50.8	50.8	3.5		15.0		5		-				-		-	
						4.4	0.3	230	26.9		7.5		25.8		50.8		3.5		14.6		5		-				-		-	
					Bottom	7.8	0.3	218	26.9	26.9	7.5	7.5	26.0	26.1	52.2	52.3	3.6	3.6	20.1		5		-				-		-	
						7.8	0.3	228	26.8		7.5		26.1		52.3		3.6		20.7		5		-				-		-	
SR1A	Cloudy	Calm	06:30	5.5	Surface	1.0	-	-	27.8	27.8	7.5	7.5	21.2	21.2	61.2	61.2	4.3	4.3	2.4	5.2	8	8	-	-	819975	812655	-	-	-	-
						1.0	-	-	27.8		7.5		21.2		61.2		4.3		2.5		8		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	27.5	27.5	7.4	7.4	23.4	23.4	55.4	55.4	3.8	3.8	7.9		8		-				-		-	
						4.5	-	-	27.4		7.4		23.5		55.3		3.8		7.9		7		-				-		-	
SR2	Rainy	Moderate	06:13	4.8	Surface	1.0	0.4	200	27.7	27.7	7.5	7.5	21.2	21.2	62.1	62.1	4.3	4.3	2.6	12.7	4	4	-	-	821464	814177	-	-	-	-
						1.0	0.4	202	27.7		7.5		21.2		62.1		4.3		2.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	227	27.0	27.0	7.5	7.5	25.3	25.2	51.1	51.2	3.5	3.6	23.7		3		-				-		-	
						3.8	0.4	247	27.0		7.5		25.1		51.2		3.6		21.8		3		-				-		-	
SR3	Cloudy	Moderate	08:17	8.2	Surface	1.0	0.5	19	27.8	27.8	7.5	7.5	20.8	20.8	64.8	64.7	4.5	4.4	6.0	10.6	2	3	-	-	822126	807564	-	-	-	-
						1.0	0.5	20	27.8		7.5		20.8		64.5		4.5		6.3		2		-				-		-	
					Middle	4.1	0.4	21	27.7	27.7	7.5	7.5	21.6	21.6	60.0	60.0	4.2		9.7		4		-				-		-	
						4.1	0.5	21	27.7		7.5		21.6		60.0		4.2		9.6		4		-				-		-	
					Bottom	7.2	0.5	16	27.5	27.5	7.5	7.5	22.6	22.6	60.8	60.9	4.2	4.3	16.0		4		-				-		-	
						7.2	0.5	16	27.5		7.5		22.6		61.0		4.3		16.0		4		-				-		-	
SR4A	Cloudy	Moderate	06:38	8.4	Surface	1.0	0.2	75	27.3	27.3	8.0	8.0	23.6	23.6	61.8	61.7	4.3	4.2	5.9	9.1	4	6	-	-	817170	807807	-	-	-	-
						1.0	0.2	77	27.3		8.0		23.7		61.5		4.3		6.0		5		-				-		-	
					Middle	4.2	0.4	76	27.2	27.2	8.0	8.0	24.4	24.4	59.0	58.8	4.1		8.3		6		-				-		-	
						4.2	0.4	77	27.1		8.0		24.5		58.6		4.1		9.0		7		-				-		-	
					Bottom	7.4	0.4	69	27.0	27.0	8.0	8.0	25.2	25.2	58.0	58.1	4.0	4.0	12.7		7		-				-		-	
						7.4	0.5	69	27.0		8.0		25.2		58.2		4.0		12.6		7		-				-		-	
SR5A	Cloudy	Moderate	06:19	3.8	Surface	1.0	0.1	286	27.4	27.4	7.9	7.9	23.3	23.3	62.9	62.9	4.4	4.4	6.0	6.4	6	6	-	-	816596	810710	-	-	-	-
						1.0	0.1	295	27.4		7.9		23.3		62.9		4.4		6.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	318	27.4	27.4	7.9	7.9	23.3	23.3	63.0	63.0	4.4	4.4	6.8		6		-				-		-	
						2.8	0.1	341	27.4		7.9		23.3		63.0		4.4		6.8		6		-				-		-	
SR6A	Cloudy	Moderate	05:48	4.5	Surface	1.0	0.1	296	27.4	27.4	7.9	7.9	23.3	23.3	63.2	63.3	4.4	4.4	5.9	6.4	6	5	-	-	817944	814716	-	-	-	-
						1.0	0.1	322	27.4		7.9		23.3		63.3		4.4		5.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	323	27.4	27.4	7.9	7.9	23.3	23.3	64.5	64.6	4.5	4.5	6.9		4		-				-		-	
						3.5	0.0	345	27.4		7.9		23.3		64.6		4.5		7.0		5		-				-		-	
SR7	Cloudy	Moderate	05:21	14.6	Surface	1.0	0.5	199	26.5	26.5	7.5	7.5	27.5	27.5	51.5	51.5	3.6	**3.5**	1.5	3.4	4	4	-	-	823654	823763	-	-	-	-
						1.0	0.5	203	26.5		7.5		27.5		51.4		3.5		1.8		3		-				-		-	
					Middle	7.3	0.4	187	26.1	26.1	7.5	7.5	28.8	28.8	48.8	48.9	3.4		3.2		4		-				-		-	
						7.3	0.5	198	26.1		7.5		28.8		48.9		3.4		3.3		4		-				-		-	
					Bottom	13.6	0.4	172	25.6	25.6	7.6	7.6	30.7	30.7	46.3	46.4	3.2	3.2	5.5		5		-				-		-	
						13.6	0.4	177	25.6		7.6		30.7		46.4		3.2		5.3		5		-				-		-	
SR8	Cloudy	Calm	06:57	4.8	Surface	1.0	-	-	27.5	27.5	7.5	7.5	23.3	23.3	56.8	56.8	3.9	3.9	5.4	6.9	5	5	-	-	820383	811611	-	-	-	-
						1.0	-	-	27.5		7.5		23.3		56.7		3.9		5.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	27.2	27.2	7.5	7.5	24.9	24.9	53.8	53.9	3.7	3.7	8.4		4		-				-		-	
						3.8	-	-	27.1		7.5		24.9		53.9		3.7		8.5		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 June 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	15:42	7.0	Surface	1.0	0.4	220	27.6	27.6	8.1	8.1	22.6	22.5	90.9	91.0	6.3	6.1	2.7	4.5	7	6	-	-	815602	804262	-	-	-	-
						1.0	0.4	232	27.6		8.1		22.5		91.0		6.3		2.7		6		-				-		-	
					Middle	3.5	0.3	211	27.2	27.2	8.1	8.1	23.7	23.6	85.3	85.4	5.9		3.1		6		-				-		-	
						3.5	0.4	217	27.2		8.1		23.6		85.4		5.9		3.1		6		-				-		-	
					Bottom	6.0	0.4	234	26.7	26.7	8.0	8.0	25.9	25.9	65.5	65.6	4.5	4.6	7.7		5		-				-		-	
						6.0	0.4	248	26.7		8.0		25.9		65.7		4.6		7.7		5		-				-		-	
C2	Misty	Moderate	14:45	12.4	Surface	1.0	0.3	168	27.5	27.5	7.6	7.6	18.1	18.0	82.1	82.1	5.8	5.4	1.7	3.5	2	3	-	-	825685	806942	-	-	-	-
						1.0	0.3	170	27.5		7.6		18.0		82.0		5.8		1.8		3		-				-		-	
					Middle	6.2	0.4	167	27.4	27.4	7.6	7.6	20.7	20.7	70.1	70.1	5.0		3.9		3		-				-		-	
						6.2	0.4	170	27.4		7.6		20.7		70.1		4.9		3.9		4		-				-		-	
					Bottom	11.4	0.4	163	27.7	27.8	7.6	7.6	23.3	23.3	62.0	62.8	4.3	4.4	4.8		4		-				-		-	
						11.4	0.4	178	27.9		7.6		23.3		63.6		4.4		4.7		3		-				-		-	
C3	Misty	Moderate	17:05	12.0	Surface	1.0	0.1	189	27.3	27.3	7.7	7.7	22.7	22.7	69.8	69.7	4.9	4.8	2.1	3.3	5	5	-	-	822113	817799	-	-	-	-
						1.0	0.1	201	27.2		7.7		22.7		69.5		4.9		2.0		5		-				-		-	
					Middle	6.0	0.3	181	26.5	26.5	7.7	7.7	23.3	23.3	67.6	67.4	4.8		3.7		6		-				-		-	
						6.0	0.3	187	26.4		7.7		23.4		67.1		4.7		3.7		5		-				-		-	
					Bottom	11.0	0.3	185	26.1	26.1	7.7	7.7	28.6	28.6	61.4	61.7	4.2	4.3	4.3		5		-				-		-	
						11.0	0.3	193	26.1		7.7		28.6		61.9		4.3		4.3		6		-				-		-	
IM1	Rainy	Rough	15:29	4.8	Surface	1.0	0.1	113	27.5	27.5	8.0	8.0	22.2	22.2	84.0	83.9	5.9	5.9	3.1	4.1	4	5	-	-	817938	807118	-	-	-	-
						1.0	0.1	114	27.5		8.0		22.2		83.8		5.9		3.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	140	27.3	27.3	8.0	8.0	22.7	22.7	80.6	80.7	5.6	5.6	5.0		5		-				-		-	
						3.8	0.2	152	27.3		8.0		22.7		80.8		5.6		5.1		4		-				-		-	
IM2	Rainy	Rough	15:22	6.2	Surface	1.0	0.2	131	27.3	27.3	8.1	8.1	22.8	22.8	84.0	84.0	5.9	5.8	3.3	5.2	4	4	-	-	818142	806146	-	-	-	-
						1.0	0.2	133	27.3		8.1		22.8		84.0		5.9		3.3		5		-				-		-	
					Middle	3.1	0.2	133	27.2	27.2	8.1	8.1	23.0	23.0	80.7	80.8	5.6		4.1		4		-				-		-	
						3.1	0.2	133	27.2		8.1		23.0		80.8		5.6		4.1		4		-				-		-	
					Bottom	5.2	0.2	108	27.0	27.0	8.0	8.0	23.8	23.8	74.6	74.6	5.2	5.2	8.1		4		-				-		-	
						5.2	0.2	110	27.0		8.0		23.9		74.6		5.2		8.2		4		-				-		-	
IM3	Rainy	Rough	15:16	7.9	Surface	1.0	0.1	162	27.2	27.2	8.0	8.0	23.2	23.2	76.0	76.0	5.3	5.3	5.2	4.3	4	4	-	-	818771	805613	-	-	-	-
						1.0	0.1	163	27.2		8.0		23.2		76.0		5.3		5.2		4		-				-		-	
					Middle	4.0	0.2	156	27.2	27.2	8.0	8.0	23.4	23.3	74.9	74.9	5.2		5.3		5		-				-		-	
						4.0	0.2	159	27.2		8.0		23.3		74.8		5.2		5.3		4		-				-		-	
					Bottom	6.9	0.2	176	27.0	27.0	8.0	8.0	24.3	24.3	71.1	71.1	4.9	5.0	2.4		5		-				-		-	
						6.9	0.2	182	27.0		8.0		24.3		71.1		5.0		2.4		4		-				-		-	
IM4	Rainy	Rough	15:09	7.3	Surface	1.0	0.2	200	27.3	27.3	8.0	8.0	22.7	22.7	77.9	78.0	5.4	5.4	4.3	6.4	6	5	-	-	819729	804617	-	-	-	-
						1.0	0.2	214	27.3		8.0		22.7		78.0		5.4		4.3		5		-				-		-	
					Middle	3.7	0.2	199	27.2	27.2	8.0	8.0	23.3	23.3	76.6	76.6	5.3		6.0		4		-				-		-	
						3.7	0.2	218	27.2		8.0		23.3		76.6		5.3		5.9		5		-				-		-	
					Bottom	6.3	0.3	188	27.1	27.1	8.0	8.0	23.6	23.6	75.4	75.4	5.3	5.3	9.1		4		-				-		-	
						6.3	0.3	191	27.1		8.0		23.7		75.3		5.3		9.1		5		-				-		-	
IM5	Rainy	Rough	15:01	8.1	Surface	1.0	0.2	221	27.4	27.4	8.0	8.0	22.3	22.3	79.7	79.8	5.6	5.6	4.8	5.7	5	4	-	-	820722	804864	-	-	-	-
						1.0	0.2	231	27.4		8.0		22.3		79.8		5.6		4.8		4		-				-		-	
					Middle	4.1	0.2	208	27.3	27.3	8.0	8.0	22.6	22.6	79.0	78.9	5.5		4.0		4		-				-		-	
						4.1	0.2	223	27.3		8.0		22.6		78.7		5.5		3.9		4		-				-		-	
					Bottom	7.1	0.2	213	26.7	26.7	8.0	8.0	25.9	25.9	67.2	67.2	4.7	4.7	8.4		4		-				-		-	
						7.1	0.3	233	26.7		8.0		25.9		67.2		4.7		8.5		4		-				-		-	
IM6	Rainy	Rough	14:54	7.7	Surface	1.0	0.2	233	27.6	27.6	8.0	8.0	21.4	21.4	81.0	80.9	5.7	5.5	4.6	5.3	4	4	-	-	821081	805831	-	-	-	-
						1.0	0.2	253	27.5		8.0		21.4		80.8		5.7		4.5		3		-				-		-	
					Middle	3.9	0.2	241	27.2	27.2	8.0	8.0	23.3	23.3	74.5	74.6	5.2		5.3		4		-				-		-	
						3.9	0.2	259	27.2		8.0		23.3		74.6		5.2		5.3		3		-				-		-	
					Bottom	6.7	0.2	230	27.1	27.1	8.0	8.0	23.3	23.3	75.1	75.2	5.2	5.3	5.9		4		-				-		-	
						6.7	0.2	251	27.1		8.0		23.3		75.2		5.3		6.0		4		-				-		-	
IM7	Rainy	Rough	14:46	7.8	Surface	1.0	0.3	270	27.6	27.6	8.0	8.0	20.9	20.9	81.5	81.5	5.7	5.8	4.3	5.8	4	4	-	-	821358	806848	-	-	-	-
						1.0	0.3	285	27.6		8.0		20.9		81.5		5.7		4.3		4		-				-		-	
					Middle	3.9	0.4	277	27.4	27.4	8.0	8.0	21.9	21.9	83.0	83.0	5.8		5.7		4		-				-		-	
						3.9	0.4	286	27.4		8.0		21.9		83.0		5.8		5.7		3		-				-		-	
					Bottom	6.8	0.2	254	27.3	27.3	8.0	8.0	22.4	22.4	80.5	80.6	5.6	5.6	7.3		4		-				-		-	
						6.8	0.3	264	27.3		8.0		22.4		80.6		5.6		7.3		3		-				-		-	
IM8	Misty	Moderate	15:09	8.0	Surface	1.0	0.3	161	27.7	27.7	7.6	7.6	20.6	20.7	78.0	78.0	5.5	5.4	4.6	6.2	3	4	-	-	821815	808129	-	-	-	-
						1.0	0.3	163	27.7		7.6		20.8		78.0		5.5		4.5		4		-				-		-	
					Middle	4.0	0.3	154	27.6	27.6	7.6	7.6	21.2	21.2	73.7	73.9	5.2		6.4		4		-				-		-	
						4.0	0.3	154	27.6		7.6		21.2		74.1		5.2		6.4		3		-				-		-	
					Bottom	7.0	0.3	155	27.6	27.7	7.6	7.6	21.7	21.7	80.3	80.5	5.6	5.6	7.7		5		-				-		-	
						7.0	0.3	161	27.7		7.6		21.7		80.7		5.6		7.7		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 June 21 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	Misty	Moderate	15:14	8.0	Surface	1.0	0.2	219	27.7	27.7	7.6	7.6	20.7	20.7	77.3	77.2	5.4	5.2	6.3	7.4	4	4	-	-	822108	808825	-	-	-	-
						1.0	0.2	238	27.7		7.6		20.8		77.1		5.4		6.3		4		-				-		-	
					Middle	4.0	0.3	216	27.5	27.5	7.6	7.6	21.7	21.7	71.0	71.0	5.0		7.2		3		-				-		-	
						4.0	0.3	219	27.5		7.6		21.8		71.0		5.0		7.2		4		-				-		-	
					Bottom	7.0	0.2	219	27.5	27.5	7.6	7.6	22.0	22.0	73.3	73.6	5.1	5.2	8.5		4		-				-		-	
						7.0	0.2	229	27.5		7.6		22.0		73.8		5.2		8.6		3		-				-		-	
IM10	Misty	Moderate	15:22	7.8	Surface	1.0	0.3	170	27.9	27.9	7.6	7.6	20.0	20.0	80.3	80.4	5.6	5.6	1.8	2.6	5	4	-	-	822376	809778	-	-	-	-
						1.0	0.3	173	27.9		7.6		20.0		80.5		5.7		1.7		4		-				-		-	
					Middle	3.9	0.3	177	27.7	27.7	7.6	7.6	20.0	20.0	80.2	80.2	5.6		2.5		4		-				-		-	
						3.9	0.3	190	27.7		7.6		20.0		80.1		5.6		2.5		4		-				-		-	
					Bottom	6.8	0.2	165	27.7	27.8	7.6	7.6	21.9	21.8	79.4	79.9	5.5	5.6	3.4		2		-				-		-	
						6.8	0.2	174	27.8		7.6		21.8		80.4		5.6		3.5		3		-				-		-	
IM11	Misty	Moderate	15:32	8.6	Surface	1.0	0.2	164	27.7	27.7	7.6	7.6	20.1	20.1	77.8	77.7	5.5	5.5	4.9	5.6	4	4	-	-	822079	811442	-	-	-	-
						1.0	0.3	177	27.6		7.6		20.1		77.5		5.5		4.9		3		-				-		-	
					Middle	4.3	0.2	166	27.5	27.6	7.6	7.6	21.8	21.8	77.4	77.4	5.4		5.4		4		-				-		-	
						4.3	0.2	171	27.6		7.6		21.8		77.4		5.4		5.4		3		-				-		-	
					Bottom	7.6	0.3	159	27.9	28.0	7.6	7.6	21.8	21.7	79.4	80.1	5.5	5.6	6.6		4		-				-		-	
						7.6	0.3	169	28.0		7.6		21.7		80.8		5.6		6.5		4		-				-		-	
IM12	Misty	Moderate	15:34	9.6	Surface	1.0	0.3	158	27.8	27.8	7.6	7.6	20.0	20.1	77.2	77.2	5.4	5.2	5.0	6.4	4	5	-	-	821439	812052	-	-	-	-
						1.0	0.3	159	27.7		7.6		20.1		77.1		5.4		5.0		4		-				-		-	
					Middle	4.8	0.2	160	27.5	27.5	7.6	7.6	22.0	22.0	70.5	70.6	4.9		6.5		4		-				-		-	
						4.8	0.3	174	27.5		7.6		22.0		70.7		4.9		6.5		5		-				-		-	
					Bottom	8.6	0.2	153	27.6	27.6	7.6	7.6	21.9	21.9	71.4	71.6	5.0	5.0	7.9		5		-				-		-	
						8.6	0.3	167	27.6		7.6		21.9		71.7		5.0		7.9		5		-				-		-	
SR1A	Misty	Moderate	16:39	5.6	Surface	1.0	-	-	27.8	27.8	7.7	7.7	21.6	21.6	70.1	69.8	4.9	4.9	3.8	4.0	6	7	-	-	819979	812665	-	-	-	-
						1.0	-	-	27.8		7.7		21.6		69.5		4.8		3.8		7		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	27.9	27.9	7.7	7.7	21.5	21.4	68.7	69.3	4.8	4.9	4.1		7		-				-		-	
						4.6	-	-	27.9		7.7		21.4		69.8		4.9		4.2		6		-				-		-	
SR2	Misty	Moderate	16:49	4.6	Surface	1.0	0.3	142	27.7	27.7	7.7	7.7	21.6	21.7	68.3	68.0	4.8	4.8	3.7	4.2	6	6	-	-	821481	814168	-	-	-	-
						1.0	0.3	151	27.7		7.7		21.7		67.6		4.7		3.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	151	27.7	27.8	7.7	7.7	21.6	21.5	66.0	66.7	4.6	4.7	4.8		7		-				-		-	
						3.6	0.2	165	27.9		7.7		21.4		67.3		4.7		4.8		6		-				-		-	
SR3	Misty	Moderate	15:03	9.0	Surface	1.0	0.3	156	27.8	27.8	7.6	7.6	20.3	20.3	76.5	76.6	5.4	5.4	6.3	7.4	6	6	-	-	822143	807574	-	-	-	-
						1.0	0.3	163	27.8		7.6		20.4		76.7		5.4		6.4		6		-				-		-	
					Middle	4.5	0.2	158	27.5	27.5	7.6	7.6	21.5	21.6	76.9	76.6	5.4		7.3		6		-				-		-	
						4.5	0.3	162	27.5		7.6		21.7		76.2		5.3		7.2		6		-				-		-	
					Bottom	8.0	0.3	161	27.4	27.5	7.6	7.6	22.2	22.2	69.1	69.3	4.8	4.9	8.7		6		-				-		-	
						8.0	0.3	166	27.5		7.6		22.2		69.5		4.9		8.7		5		-				-		-	
SR4A	Cloudy	Rough	15:57	9.3	Surface	1.0	0.4	138	27.5	27.5	8.0	8.0	22.5	22.5	84.8	84.8	5.9	5.7	4.3	7.8	4	6	-	-	817207	807789	-	-	-	-
						1.0	0.5	140	27.5		8.0		22.5		84.7		5.9		4.2		4		-				-		-	
					Middle	4.7	0.4	126	27.3	27.3	8.0	8.0	23.2	23.2	77.7	77.7	5.4		6.6		5		-				-		-	
						4.7	0.4	127	27.3		8.0		23.2		77.7		5.4		6.6		6		-				-		-	
					Bottom	8.3	0.3	133	26.7	26.7	8.0	8.0	26.0	26.0	62.6	62.6	4.3	4.3	12.4		7		-				-		-	
						8.3	0.3	140	26.7		8.0		26.0		62.6		4.3		12.4		7		-				-		-	
SR5A	Cloudy	Rough	16:14	5.2	Surface	1.0	0.3	111	27.7	27.7	8.0	8.0	21.2	21.2	80.9	80.8	5.7	5.7	4.3	5.2	6	6	-	-	816611	810680	-	-	-	-
						1.0	0.3	119	27.7		8.0		21.2		80.7		5.6		4.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	120	27.4	27.4	8.0	8.0	22.5	22.5	73.3	73.5	5.1	5.1	6.0		6		-				-		-	
						4.2	0.3	131	27.4		8.0		22.4		73.6		5.1		6.1		5		-				-		-	
SR6A	Cloudy	Moderate	16:40	3.9	Surface	1.0	0.3	108	27.5	27.5	7.9	7.9	20.9	20.9	64.5	64.6	4.5	4.6	8.2	8.4	3	3	-	-	817973	814719	-	-	-	-
						1.0	0.3	110	27.5		7.9		20.9		64.7		4.6		8.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	100	27.3	27.3	7.9	7.9	22.2	22.2	64.1	64.2	4.5	4.5	8.7		2		-				-		-	
						2.9	0.2	101	27.3		7.9		22.2		64.2		4.5		8.7		3		-				-		-	
SR7	Misty	Moderate	17:39	15.7	Surface	1.0	0.1	136	27.0	26.9	7.7	7.7	22.7	22.7	68.5	68.3	5.1	5.1	4.4	5.4	3	4	-	-	823621	823749	-	-	-	-
						1.0	0.1	148	26.8		7.7		22.8		68.0		5.1		4.3		4		-				-		-	
					Middle	7.9	0.4	178	26.3	26.3	7.7	7.7	25.7	25.5	59.1	59.2	5.0		5.7		3		-				-		-	
						7.9	0.4	186	26.2		7.7		25.3		59.2		5.0		5.7		4		-				-		-	
					Bottom	14.7	0.4	184	26.6	26.7	7.7	7.7	27.4	27.2	60.0	60.3	4.1	4.2	6.2		4		-				-		-	
						14.7	0.4	193	26.8		7.7		27.0		60.6		4.2		6.1		4		-				-		-	
SR8	Misty	Moderate	16:07	5.1	Surface	1.0	-	-	27.8	27.8	7.7	7.7	21.5	21.5	75.2	75.2	5.2	5.3	5.3	6.2	5	4	-	-	820378	811632	-	-	-	-
						1.0	-	-	27.8		7.7		21.5		75.2		5.3		5.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.0	28.1	7.7	7.7	21.5	21.4	76.5	77.1	5.3	5.4	7.0		4		-				-		-	
						4.1	-	-	28.1		7.7		21.4		77.6		5.4		7.0		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 June 21 during Mid-Flood Tide

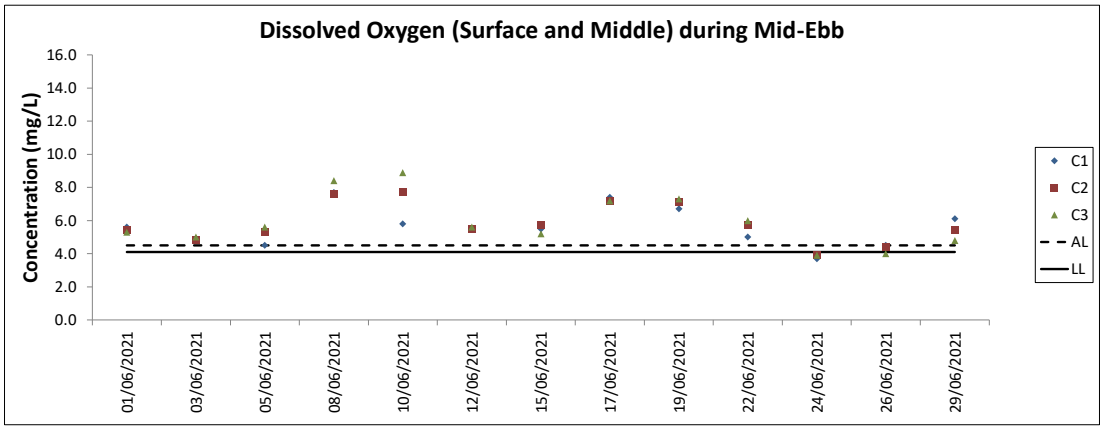
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Rough	09:58	7.8	Surface	1.0	0.3	37	27.3	27.3	8.0	8.0	22.7	22.7	79.3	79.3	5.5	5.3	4.4	4.9	4	4	-	-	815622	804230	-	-	-	-
						1.0	0.3	37	27.3		8.0		22.7		79.3		5.5		4.5		5		-				-		-	
					Middle	3.9	0.3	31	27.0	27.0	8.0	8.0	23.7	23.7	72.1	72.2	5.0		5.6		4		-				-		-	
						3.9	0.3	33	27.0		8.0		23.7		72.2		5.0		5.6		4		-				-		-	
					Bottom	6.8	0.3	30	26.7	26.7	8.0	8.0	25.9	25.9	65.1	65.1	4.5	4.5	4.7		4		-				-		-	
						6.8	0.3	31	26.7		8.0		25.9		65.0		4.5		4.7		3		-				-		-	
C2	Misty	Moderate	10:50	12.6	Surface	1.0	0.3	140	28.1	28.1	7.6	7.6	18.0	18.0	82.2	82.1	5.8	5.4	3.9	4.9	3	3	-	-	825678	806955	-	-	-	-
						1.0	0.3	140	28.0		7.6		18.0		82.0		5.8		3.8		4		-				-		-	
					Middle	6.3	0.3	144	27.5	27.5	7.6	7.6	20.7	20.7	70.4	70.3	5.0		5.0		3		-				-		-	
						6.3	0.3	147	27.5		7.6		20.8		70.2		4.9		4.9		4		-				-		-	
					Bottom	11.6	0.3	140	27.7	27.8	7.6	7.6	23.3	23.3	63.0	63.4	4.4	4.4	5.8		3		-				-		-	
						11.6	0.3	150	27.9		7.6		23.3		63.7		4.4		5.8		2		-				-		-	
C3	Misty	Moderate	08:56	12.0	Surface	1.0	0.2	200	27.6	27.6	7.6	7.6	18.6	18.6	74.1	74.0	5.3	5.0	2.5	3.5	3	4	-	-	822130	817820	-	-	-	-
						1.0	0.3	218	27.6		7.7		18.7		73.8		5.3		2.5		4		-				-		-	
					Middle	6.0	0.3	194	26.7	26.6	7.7	7.7	22.7	22.8	67.2	67.1	4.7		3.4		4		-				-		-	
						6.0	0.4	211	26.5		7.7		22.8		66.9		4.7		3.3		4		-				-		-	
					Bottom	11.0	0.4	194	26.2	26.2	7.7	7.7	28.2	28.2	62.6	62.8	4.3	4.4	4.7		5		-				-		-	
						11.0	0.4	200	26.2		7.7		28.2		63.0		4.4		4.8		4		-				-		-	
IM1	Rainy	Rough	10:09	4.2	Surface	1.0	0.2	338	27.5	27.5	8.0	8.0	21.3	21.3	82.9	82.9	5.8	5.8	3.8	3.9	6	5	-	-	817943	807150	-	-	-	-
						1.0	0.2	311	27.5		8.0		21.3		82.9		5.8		3.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	321	27.5	27.5	8.0	8.0	21.5	21.5	80.7	80.7	5.7	5.7	4.0		4		-				-		-	
						3.2	0.1	348	27.5		8.0		21.5		80.6		5.7		4.0		5		-				-		-	
IM2	Rainy	Rough	10:16	7.9	Surface	1.0	0.2	76	27.4	27.4	8.0	8.0	21.8	21.8	83.6	83.6	5.9	5.8	4.0	4.2	6	5	-	-	818152	806146	-	-	-	-
						1.0	0.2	82	27.4		8.0		21.8		83.5		5.9		4.0		7		-				-		-	
					Middle	4.0	0.2	80	27.4	27.4	8.0	8.0	21.9	21.9	81.3	81.4	5.7		4.2		5		-				-		-	
						4.0	0.3	81	27.4		8.0		21.9		81.4		5.7		4.2		4		-				-		-	
					Bottom	6.9	0.2	63	27.3	27.3	8.0	8.0	22.1	22.1	77.0	77.0	5.4	5.4	4.5		4		-				-		-	
						6.9	0.2	68	27.3		8.0		22.2		77.0		5.4		4.6		5		-				-		-	
IM3	Rainy	Rough	10:23	7.5	Surface	1.0	0.3	47	27.5	27.5	8.0	8.0	21.7	21.7	83.1	83.1	5.8	5.6	3.9	4.9	4	7	-	-	818786	805580	-	-	-	-
						1.0	0.3	47	27.5		8.0		21.7		83.1		5.8		3.9		5		-				-		-	
					Middle	3.8	0.2	76	27.4	27.4	8.0	8.0	22.0	22.0	77.0	77.0	5.4		4.6		7		-				-		-	
						3.8	0.2	76	27.4		8.0		22.0		76.9		5.4		4.6		8		-				-		-	
					Bottom	6.5	0.3	75	26.7	26.7	8.0	8.0	25.9	25.9	62.9	62.9	4.4	4.4	6.4		8		-				-		-	
						6.5	0.3	77	26.7		8.0		25.9		62.9		4.4		6.4		7		-				-		-	
IM4	Rainy	Rough	10:40	7.1	Surface	1.0	0.2	51	27.7	27.7	8.0	8.0	20.2	20.2	75.7	75.7	5.3	5.3	4.3	5.1	3	5	-	-	819711	804604	-	-	-	-
						1.0	0.2	53	27.7		8.0		20.2		75.7		5.3		4.4		4		-				-		-	
					Middle	3.6	0.2	41	27.5	27.5	8.0	8.0	21.3	21.3	76.2	76.2	5.3		5.4		4		-				-		-	
						3.6	0.2	44	27.5		8.0		21.3		76.2		5.3		5.4		5		-				-		-	
					Bottom	6.1	0.2	55	27.5	27.5	8.0	8.0	21.7	21.7	77.1	77.2	5.4	5.4	5.7		6		-				-		-	
						6.1	0.3	57	27.5		8.0		21.7		77.3		5.4		5.7		5		-				-		-	
IM5	Rainy	Rough	10:49	7.6	Surface	1.0	0.2	44	27.7	27.7	8.0	8.0	20.2	20.2	76.0	76.0	5.4	5.3	4.3	6.2	4	4	-	-	820739	804856	-	-	-	-
						1.0	0.2	44	27.7		8.0		20.2		76.0		5.4		4.4		3		-				-		-	
					Middle	3.8	0.3	45	27.5	27.5	8.0	8.0	21.1	21.1	74.7	74.6	5.2		5.4		3		-				-		-	
						3.8	0.4	47	27.5		8.0		21.1		74.4		5.2		5.5		4		-				-		-	
					Bottom	6.6	0.4	51	27.1	27.1	8.0	8.0	23.5	23.5	70.9	70.9	4.9	4.9	8.8		5		-				-		-	
						6.6	0.4	55	27.1		8.0		23.5		70.8		4.9		8.9		5		-				-		-	
IM6	Rainy	Rough	10:56	7.0	Surface	1.0	0.4	52	27.7	27.7	8.0	8.0	19.7	19.7	77.0	77.0	5.4	5.3	3.8	6.6	3	4	-	-	821065	805825	-	-	-	-
						1.0	0.4	55	27.7		8.0		19.7		76.9		5.4		3.8		3		-				-		-	
					Middle	3.5	0.3	51	27.3	27.3	8.0	8.0	21.5	21.5	73.5	73.4	5.2		7.2		4		-				-		-	
						3.5	0.3	52	27.2		8.0		21.5		73.3		5.2		7.2		5		-				-		-	
					Bottom	6.0	0.3	44	26.9	27.0	8.0	8.0	24.6	24.6	67.1	67.2	4.7	4.7	9.0		5		-				-		-	
						6.0	0.3	47	27.0		8.0		24.6		67.3		4.7		8.9		4		-				-		-	
IM7	Rainy	Rough	11:07	8.1	Surface	1.0	0.2	22	27.7	27.7	8.0	8.0	19.7	19.7	75.9	75.9	5.4	5.3	4.5	6.0	3	3	-	-	821350	806845	-	-	-	-
						1.0	0.2	23	27.6		8.0		19.7		75.8		5.4		4.6		4		-				-		-	
					Middle	4.1	0.3	28	27.4	27.4	8.0	8.0	22.0	22.0	74.1	74.1	5.2		5.5		3		-				-		-	
						4.1	0.4	28	27.4		8.0		22.0		74.0		5.2		5.5		2		-				-		-	
					Bottom	7.1	0.4	19	26.5	26.5	8.0	8.0	27.0	27.0	62.0	62.1	4.3	4.3	8.0		2		-				-		-	
						7.1	0.4	19	26.5		8.0		27.0		62.1		4.3		8.0		3		-				-		-	
IM8	Misty	Moderate	10:28	8.4	Surface	1.0	0.2	172	28.0	28.0	7.6	7.6	18.3	18.3	78.9	78.9	5.6	5.4	2.3	4.2	5	6	-	-	821833	808143	-	-	-	-
						1.0	0.2	177	28.0		7.6		18.3		78.8		5.6		2.5		6		-				-		-	
					Middle	4.2	0.2	173	27.8	27.8	7.6	7.6	19.6	19.6	72.7	72.8	5.1		4.6		6		-				-		-	
						4.2	0.3	183	27.8		7.6		19.6		72.8		5.1		4.8		5		-				-		-	
					Bottom	7.4	0.2	174	27.8	27.8	7.6	7.6	19.8	19.8	75.3	75.5	5.3	5.3	5.4		6		-				-		-	
						7.4	0.2	175	27.8		7.6		19.8		75.7		5.3		5.4		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 29 June 21 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	Misty	Moderate	10:23	8.2	Surface	1.0	0.2	164	27.8	27.8	7.6	7.6	20.0	20.0	69.5	69.2	4.9	4.8	2.9	3.5	9	10	-	-	822113	808791	-	-	-	-
						1.0	0.2	164	27.8		7.6		20.1		68.9		4.8		2.9		8		-				-		-	
					Middle	4.1	0.2	165	27.7	27.7	7.6	7.6	20.6	20.6	67.4	67.6	4.7		3.2		11		-				-		-	
						4.1	0.3	172	27.7		7.6		20.6		67.7		4.8		3.1		10		-				-		-	
					Bottom	7.2	0.2	165	27.7	27.7	7.6	7.6	20.7	20.7	70.0	70.2	4.9	4.9	4.5		11		-				-		-	
						7.2	0.2	167	27.7		7.6		20.7		70.4		4.9		4.5		10		-				-		-	
IM10	Misty	Moderate	10:16	8.6	Surface	1.0	0.1	168	27.7	27.7	7.6	7.6	18.6	18.6	74.9	74.7	5.3	4.9	3.6	4.7	4	4	-	-	822393	809770	-	-	-	-
						1.0	0.1	168	27.6		7.6		18.6		74.5		5.3		3.6		4		-				-		-	
					Middle	4.3	0.2	168	27.3	27.3	7.6	7.6	22.7	22.7	63.1	63.3	4.4		4.8		4		-				-		-	
						4.3	0.2	170	27.3		7.6		22.7		63.4		4.4		4.9		3		-				-		-	
					Bottom	7.6	0.2	163	27.6	27.7	7.6	7.6	22.9	22.9	66.0	66.4	4.6	4.6	5.6		4		-				-		-	
						7.6	0.2	166	27.7		7.6		22.9		66.8		4.6		5.6		3		-				-		-	
IM11	Misty	Moderate	10:07	8.8	Surface	1.0	0.1	186	27.9	27.9	7.6	7.6	18.8	18.8	74.7	74.7	5.3	5.1	2.4	3.2	4	3	-	-	822048	811461	-	-	-	-
						1.0	0.1	188	27.8		7.6		18.8		74.7		5.3		2.3		3		-				-		-	
					Middle	4.4	0.2	175	27.5	27.5	7.6	7.6	20.4	20.4	68.9	68.9	4.9		3.1		3		-				-		-	
						4.4	0.2	177	27.4		7.6		20.4		68.8		4.9		3.2		3		-				-		-	
					Bottom	7.8	0.2	177	26.9	26.9	7.6	7.6	24.9	24.9	62.4	62.6	4.3	4.4	4.1		3		-				-		-	
						7.8	0.2	185	26.9		7.6		24.9		62.8		4.4		4.0		3		-				-		-	
IM12	Misty	Moderate	10:01	8.6	Surface	1.0	0.2	172	28.0	28.0	7.6	7.6	18.4	18.5	75.8	75.8	5.4	5.2	3.1	4.5	3	4	-	-	821468	812068	-	-	-	-
						1.0	0.2	177	27.9		7.6		18.5		75.8		5.4		3.0		4		-				-		-	
					Middle	4.3	0.2	174	27.3	27.3	7.6	7.6	20.3	20.3	69.9	69.7	4.9		4.9		3		-				-		-	
						4.3	0.2	184	27.2		7.6		20.4		69.4		4.9		4.8		4		-				-		-	
					Bottom	7.6	0.1	152	27.1	27.2	7.6	7.6	25.0	25.0	60.0	60.2	4.1	4.2	5.5		4		-				-		-	
						7.6	0.2	157	27.3		7.6		25.0		60.4		4.2		5.5		4		-				-		-	
SR1A	Misty	Moderate	09:28	4.2	Surface	1.0	-	-	27.5	27.5	7.6	7.6	21.2	21.2	64.9	65.0	4.6	4.6	3.9	4.4	5	5	-	-	819981	812657	-	-	-	-
						1.0	-	-	27.4		7.6		21.1		65.0		4.6		4.0		4		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	27.3	27.3	7.6	7.6	22.7	22.7	62.0	62.1	4.3	4.3	4.8		5		-				-		-	
						3.2	-	-	27.3		7.6		22.7		62.1		4.3		4.8		5		-				-		-	
SR2	Misty	Moderate	09:18	4.2	Surface	1.0	0.2	108	27.5	27.5	7.6	7.6	20.9	20.9	67.2	67.1	4.7	4.7	3.9	4.1	4	4	-	-	821469	814169	-	-	-	-
						1.0	0.2	112	27.4		7.6		20.9		67.0		4.7		3.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	98	27.7	27.8	7.6	7.6	22.2	22.1	68.1	68.5	4.7	4.8	4.2		4		-				-		-	
						3.2	0.2	101	27.9		7.6		22.1		68.8		4.8		4.3		3		-				-		-	
SR3	Misty	Moderate	10:33	9.8	Surface	1.0	0.2	158	27.9	27.9	7.6	7.6	18.9	18.9	76.7	76.5	5.4	5.4	4.1	5.3	3	5	-	-	822145	807591	-	-	-	-
						1.0	0.2	173	27.9		7.6		19.0		76.2		5.4		4.2		4		-				-		-	
					Middle	4.9	0.2	159	27.8	27.8	7.6	7.6	19.6	19.6	74.8	74.8	5.3		5.6		5		-				-		-	
						4.9	0.2	174	27.8		7.6		19.7		74.8		5.3		5.6		5		-				-		-	
					Bottom	8.8	0.2	155	27.8	27.9	7.6	7.6	20.3	20.2	76.2	76.5	5.3	5.4	6.3		5		-				-		-	
						8.8	0.2	157	28.0		7.6		20.2		76.8		5.4		6.2		6		-				-		-	
SR4A	Rainy	Rough	09:41	9.1	Surface	1.0	0.4	220	27.5	27.5	8.0	8.0	20.9	20.9	78.1	78.1	5.5	5.5	5.1	6.1	3	3	-	-	817197	807808	-	-	-	-
						1.0	0.4	236	27.5		8.0		20.9		78.1		5.5		5.1		4		-				-		-	
					Middle	4.6	0.4	213	26.8	26.8	8.0	8.0	25.5	25.5	77.2	77.2	5.4		9.8		2		-				-		-	
						4.6	0.4	215	26.8		8.0		25.5		77.1		5.4		9.7		3		-				-		-	
					Bottom	8.1	0.4	240	26.6	26.6	8.0	8.0	26.6	26.6	62.0	62.1	4.3	4.3	3.4		3		-				-		-	
						8.1	0.4	245	26.6		8.0		26.6		62.1		4.3		3.4		2		-				-		-	
SR5A	Rainy	Rough	09:25	4.7	Surface	1.0	0.3	337	27.6	27.6	7.9	7.9	20.3	20.3	75.9	75.9	5.3	5.3	5.6	6.9	4	4	-	-	816584	810701	-	-	-	-
						1.0	0.3	310	27.6		7.9		20.3		75.8		5.3		5.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	208	27.5	27.5	7.9	7.9	20.5	20.5	73.5	73.6	5.2	5.2	8.2		3		-				-		-	
						3.7	0.2	220	27.5		7.9		20.5		73.6		5.2		8.2		4		-				-		-	
SR6A	Rainy	Rough	09:00	4.6	Surface	1.0	0.1	286	27.7	27.7	7.9	7.9	19.3	19.3	75.5	75.5	5.3	5.3	3.9	4.7	4	4	-	-	817955	814734	-	-	-	-
						1.0	0.1	301	27.7		7.9		19.3		75.5		5.3		4.0		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	227	27.5	27.5	7.9	7.9	20.7	20.7	68.9	69.0	4.9	4.9	5.5		4		-				-		-	
						3.6	0.1	240	27.5		7.9		20.6		69.0		4.9		5.5		5		-				-		-	
SR7	Misty	Moderate	08:25	18.0	Surface	1.0	0.4	186	27.8	27.8	7.7	7.7	18.7	18.8	75.7	75.6	5.4	5.2	2.6	3.6	2	3	-	-	823646	823734	-	-	-	-
						1.0	0.4	201	27.7		7.7		18.8		75.4		5.3		2.6		3		-				-		-	
					Middle	9.0	0.4	193	26.6	26.6	7.7	7.7	25.9	25.9	60.7	60.8	5.0		3.7		3		-				-		-	
						9.0	0.4	202	26.5		7.7		25.9		60.8		5.0		3.9		2		-				-		-	
					Bottom	17.0	0.4	206	25.8	25.8	7.7	7.7	29.5	29.4	58.0	58.1	4.0	4.0	4.4		4		-				-		-	
						17.0	0.4	217	25.8		7.7		29.4		58.2		4.0		4.4		4		-				-		-	
SR8	Misty	Moderate	09:50	5.7	Surface	1.0	-	-	27.8	27.8	7.6	7.6	19.8	19.8	73.4	73.5	5.2	5.2	1.7	2.0	5	6	-	-	820397	811625	-	-	-	-
						1.0	-	-	27.8		7.6		19.9		73.6		5.2		1.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	-	-	28.0	28.0	7.6	7.6	20.1	20.1	79.1	79.6	5.5	5.6	2.3		5		-				-		-	
						4.7	-	-	28.0		7.6		20.1		80.1		5.6		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**


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
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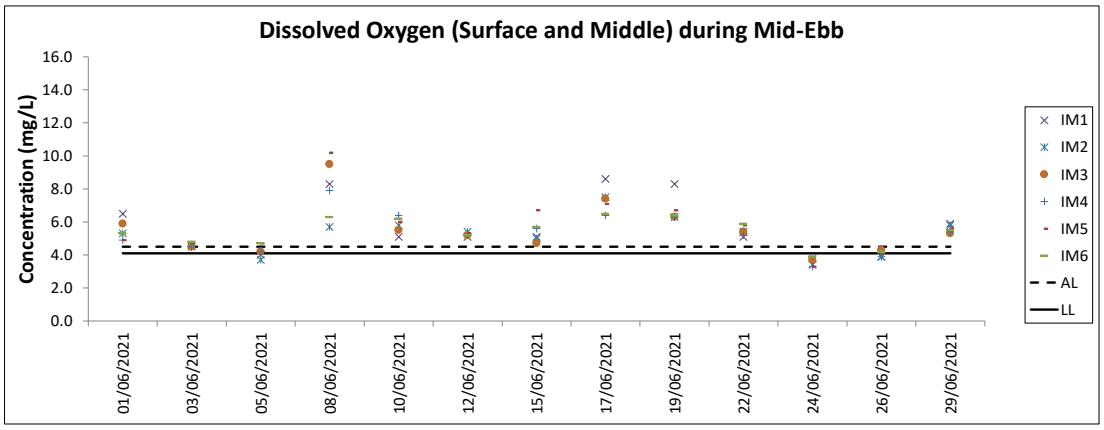
24/06/2021
26/06/2021
29/06/2021
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
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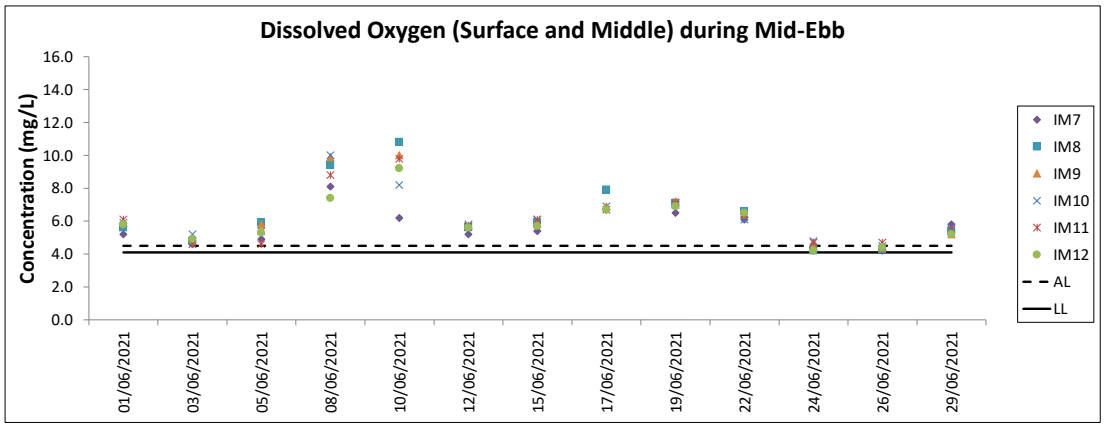
26/06/2021
29/06/2021
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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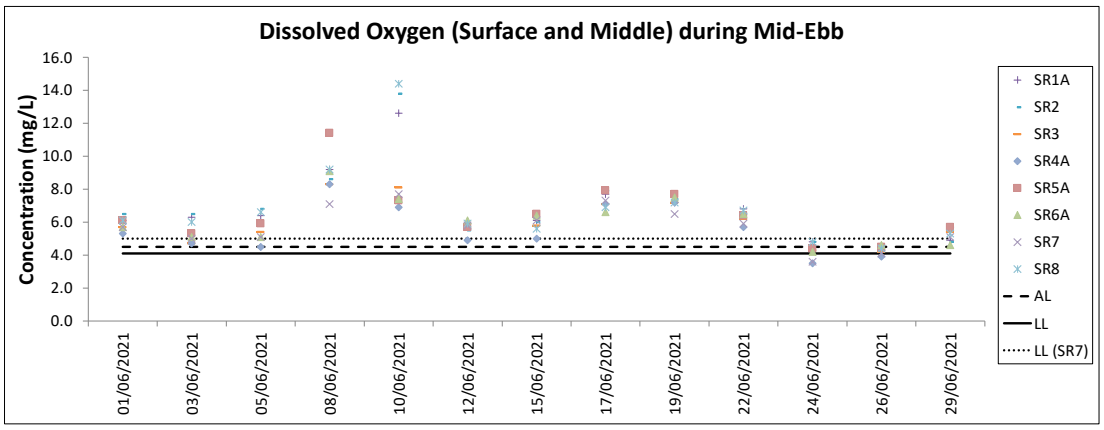
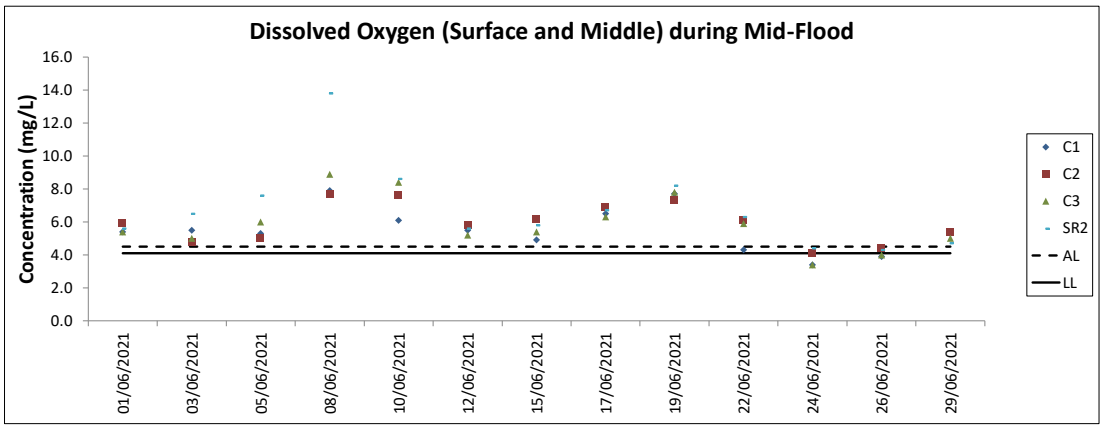
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
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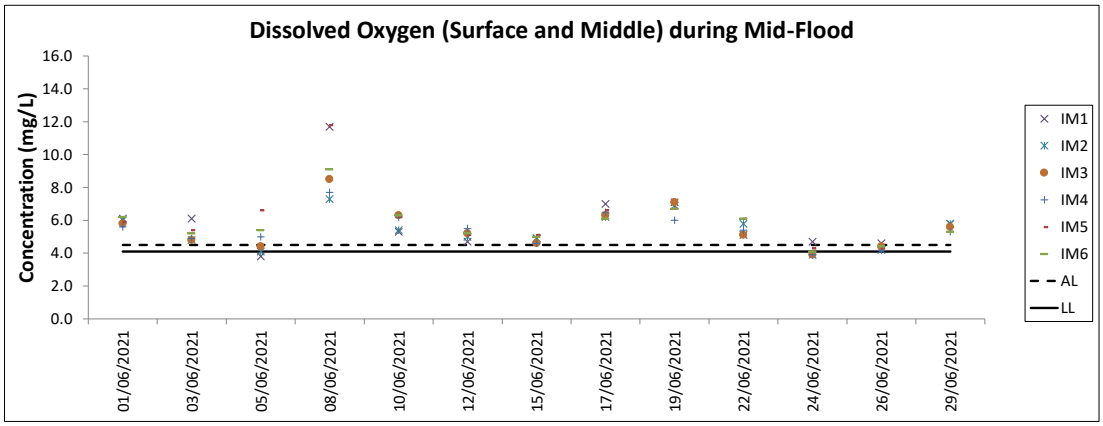
24/06/2021
26/06/2021
29/06/2021
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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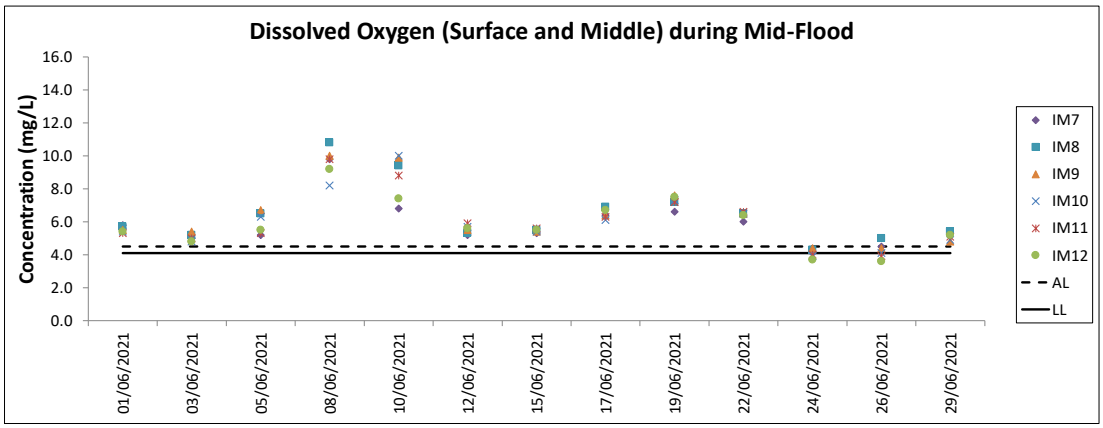
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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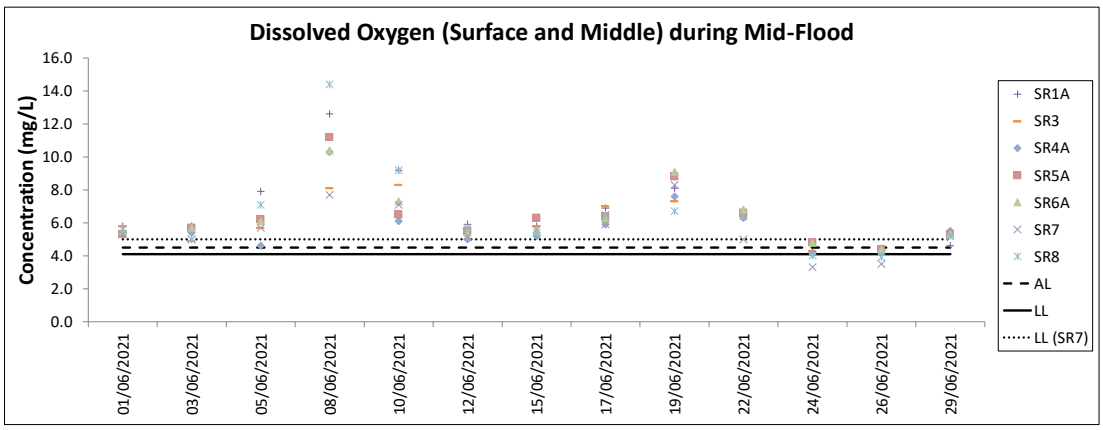
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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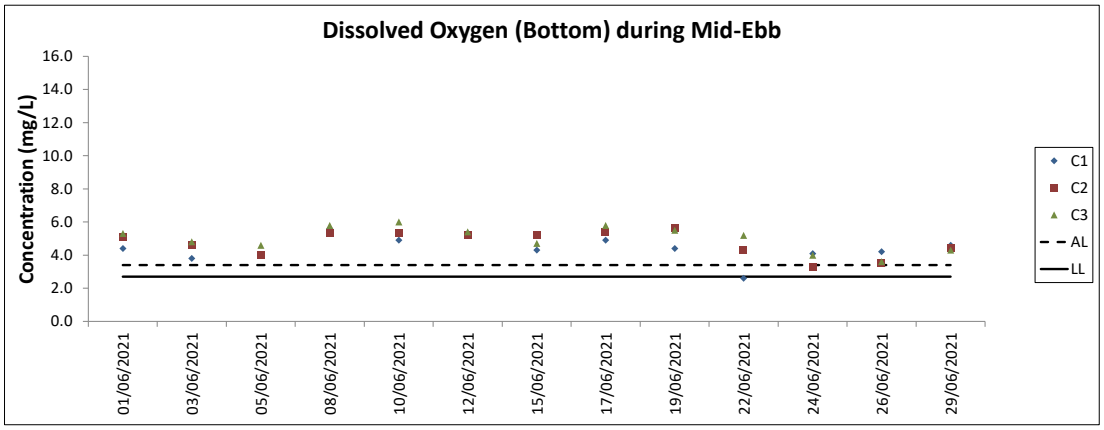
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
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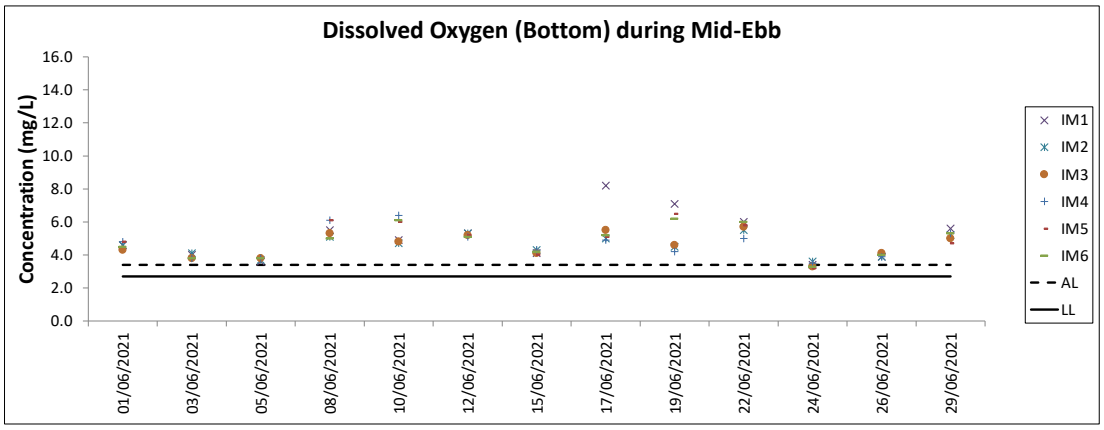
26/06/2021
29/06/2021
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
16.0
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12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
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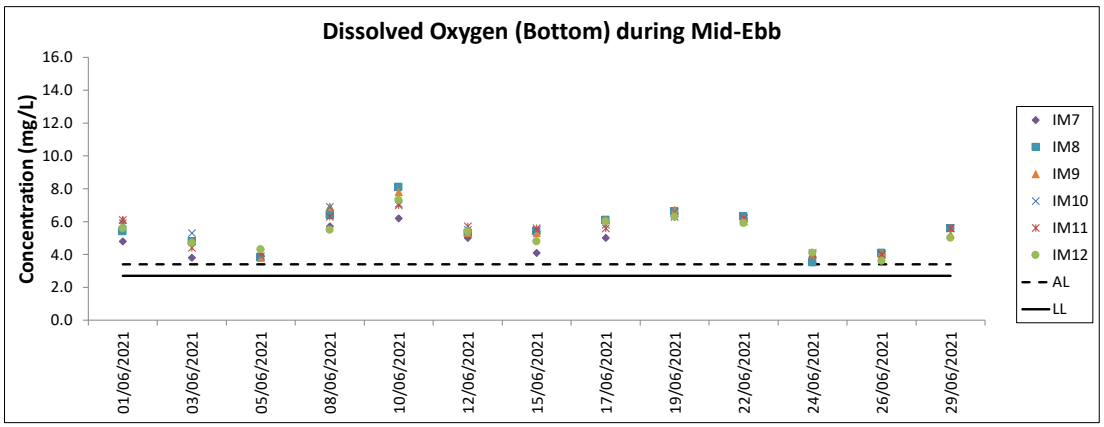
26/06/2021
29/06/2021
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
16.0
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12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
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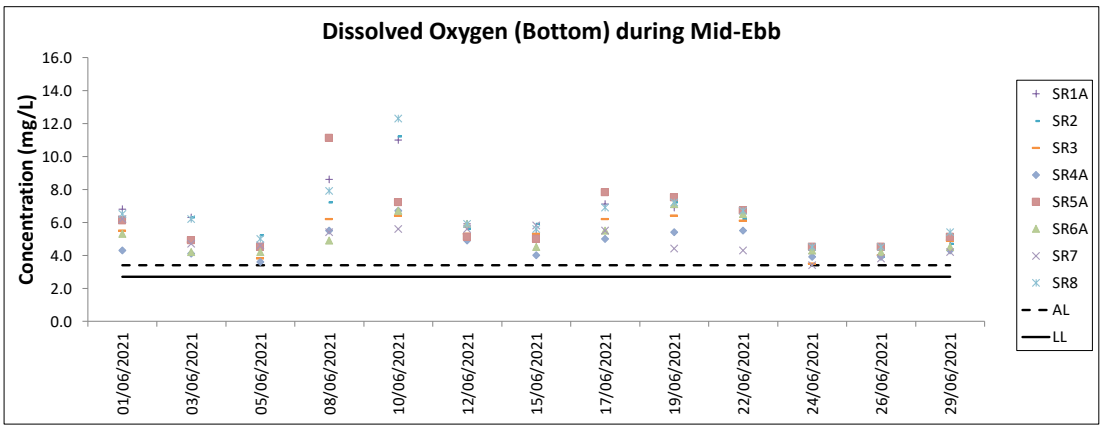
26/06/2021
29/06/2021
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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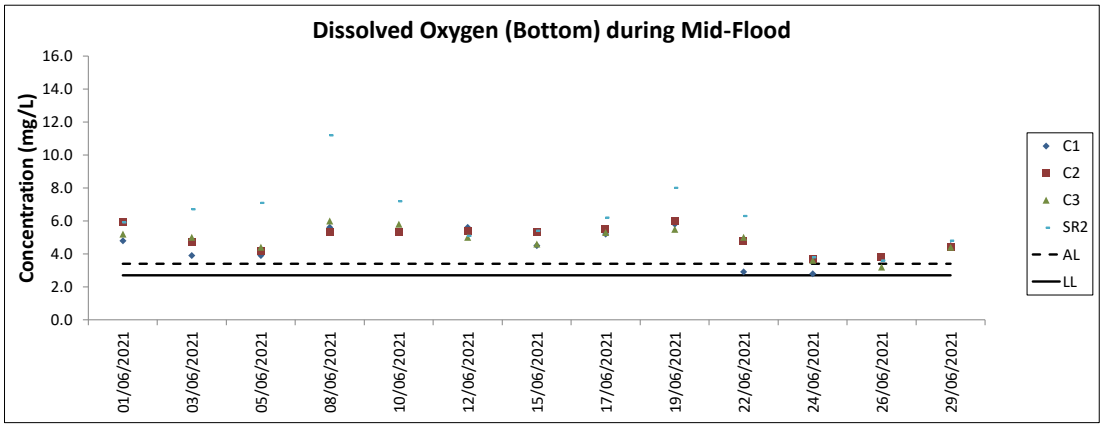
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
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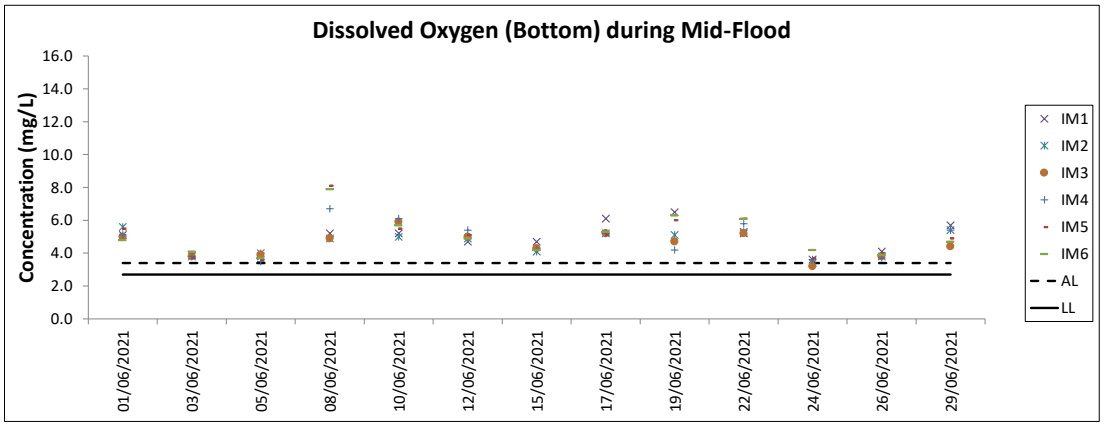
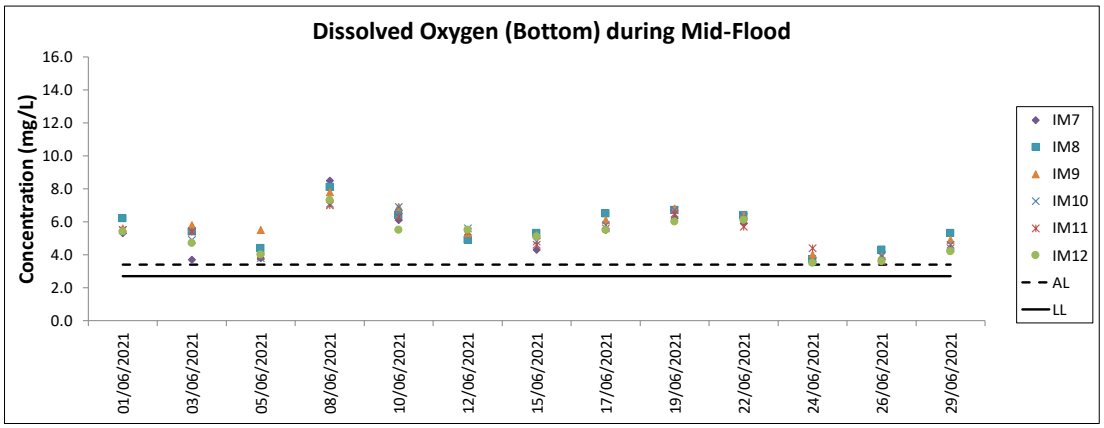
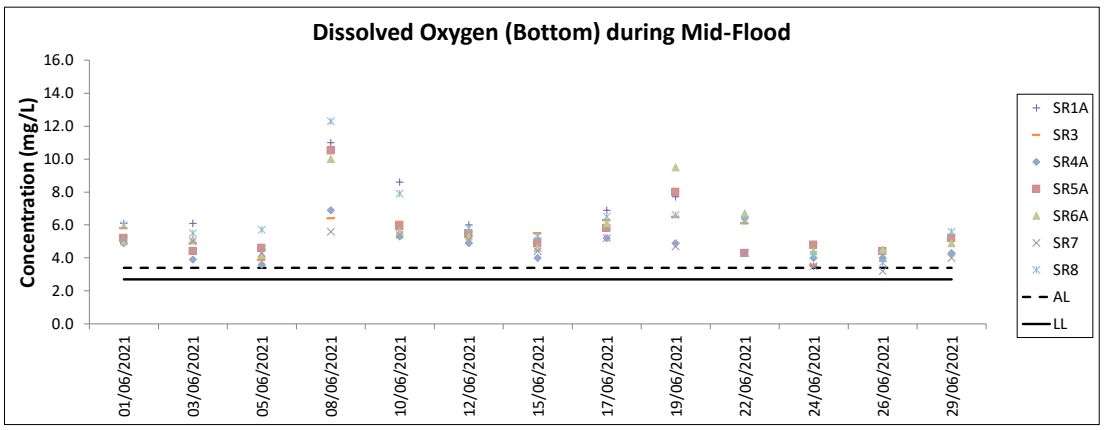
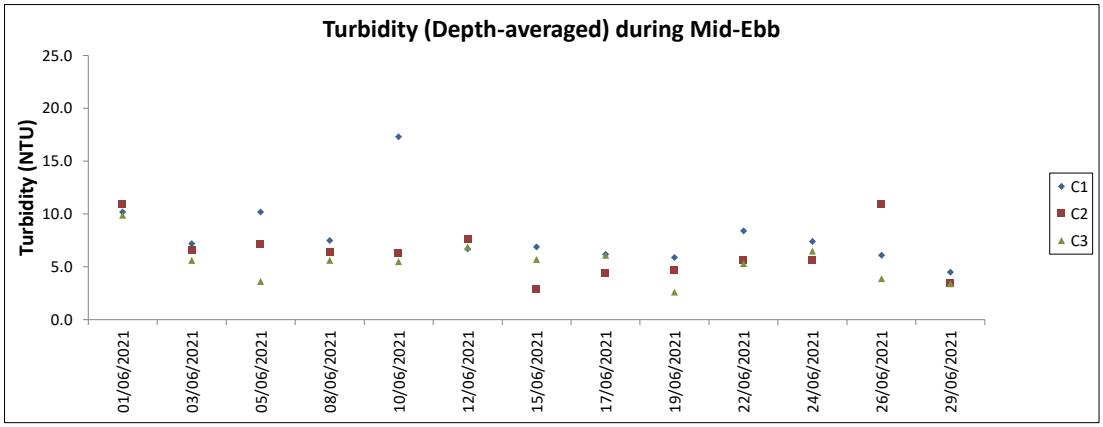
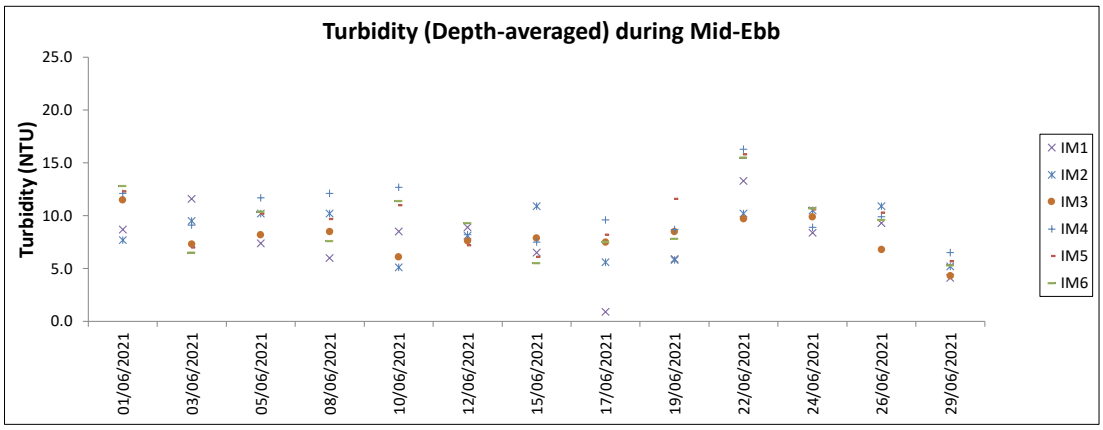
26/06/2021
29/06/2021
C1
C2
C3
SR2
AL
LL

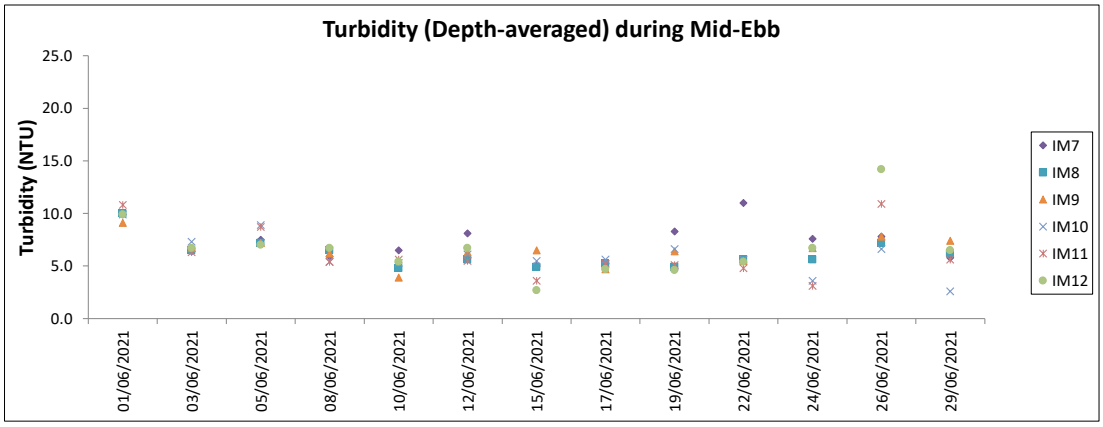

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL

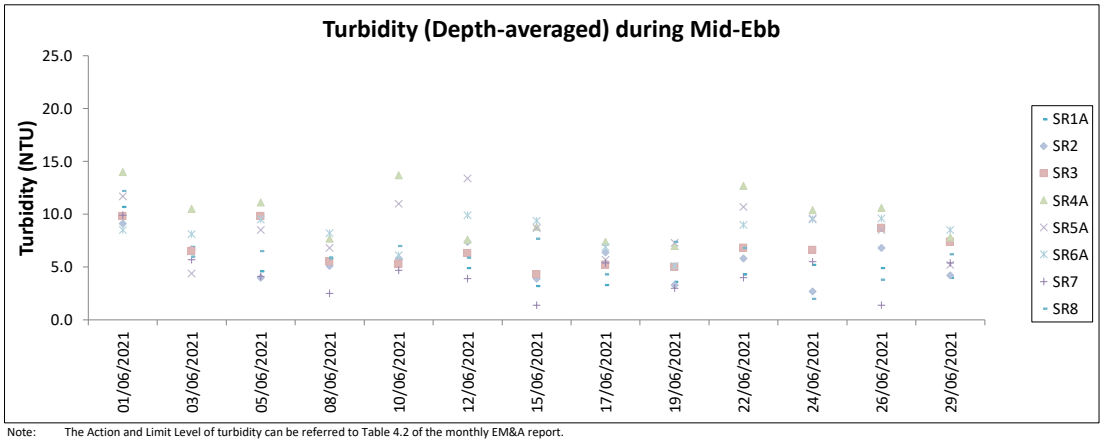

Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
01/06/2021
03/06/2021
05/06/2021
08/06/2021
10/06/2021
12/06/2021
15/06/2021
17/06/2021
19/06/2021
22/06/2021
24/06/2021
26/06/2021
29/06/2021
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

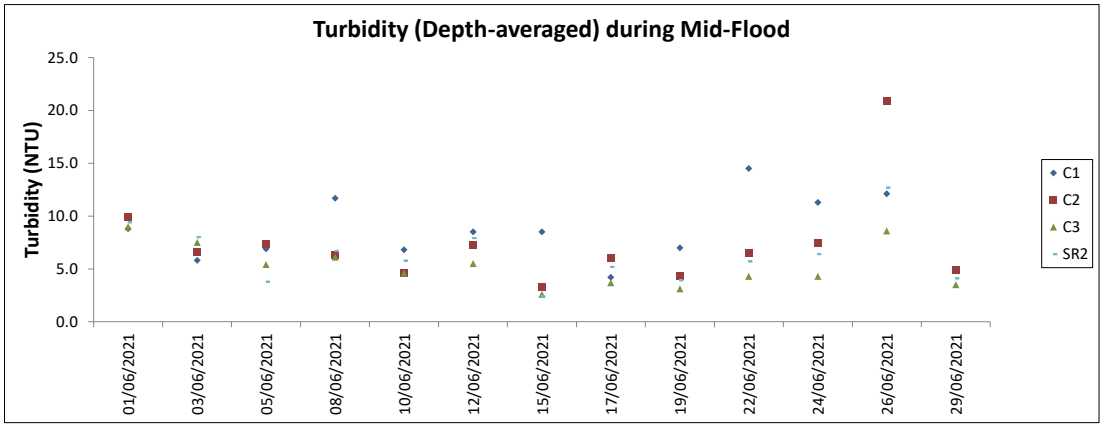


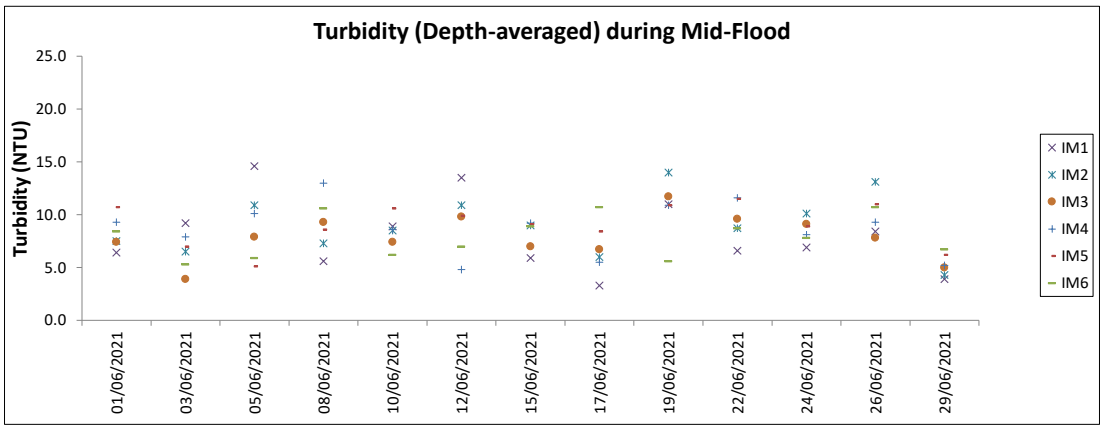


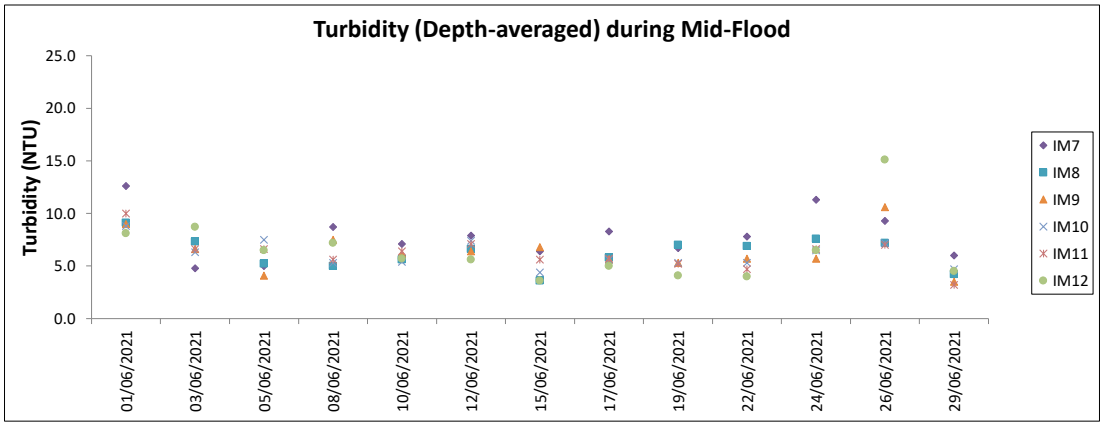


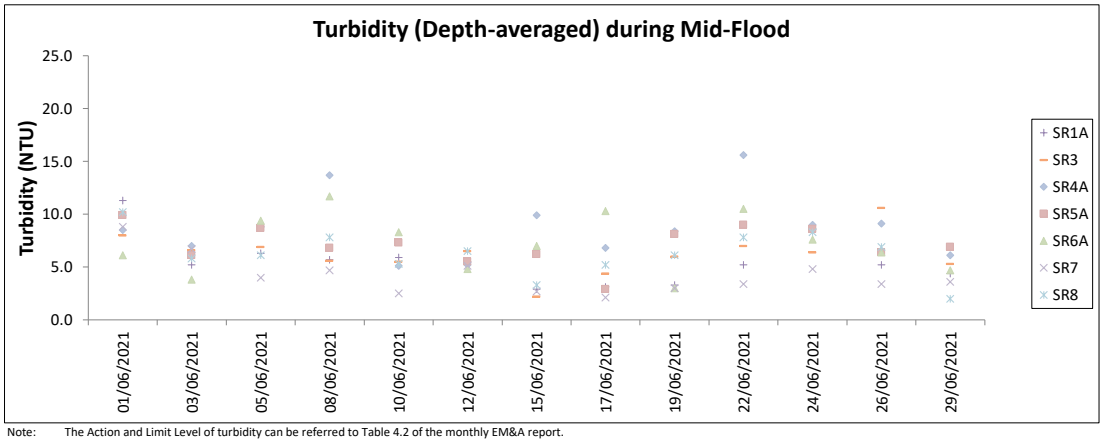


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

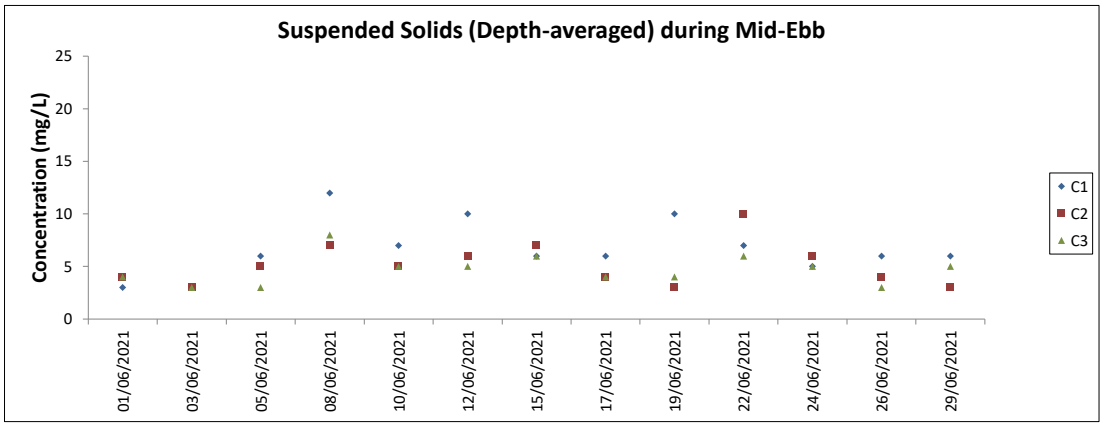


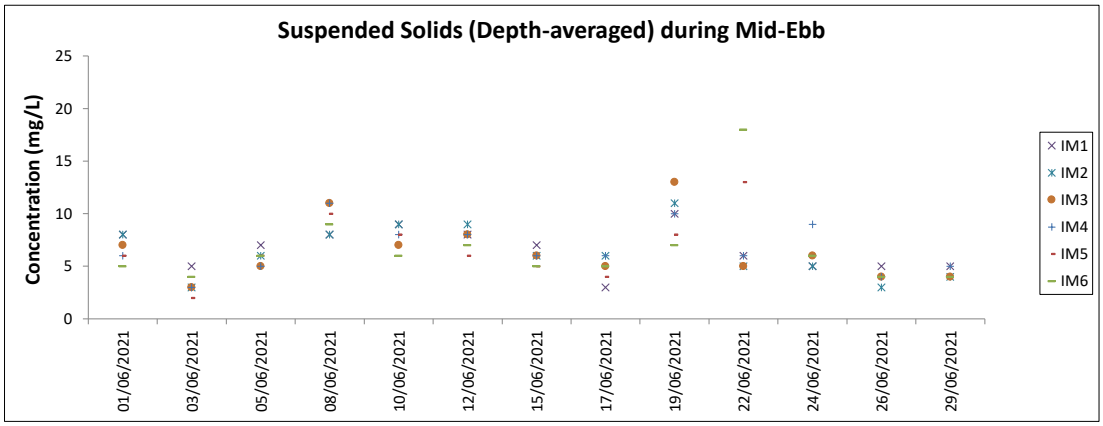


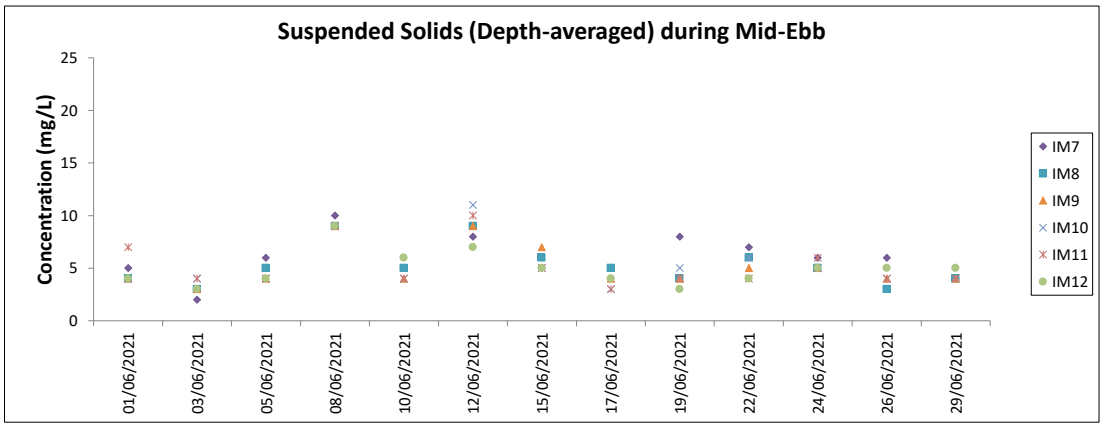


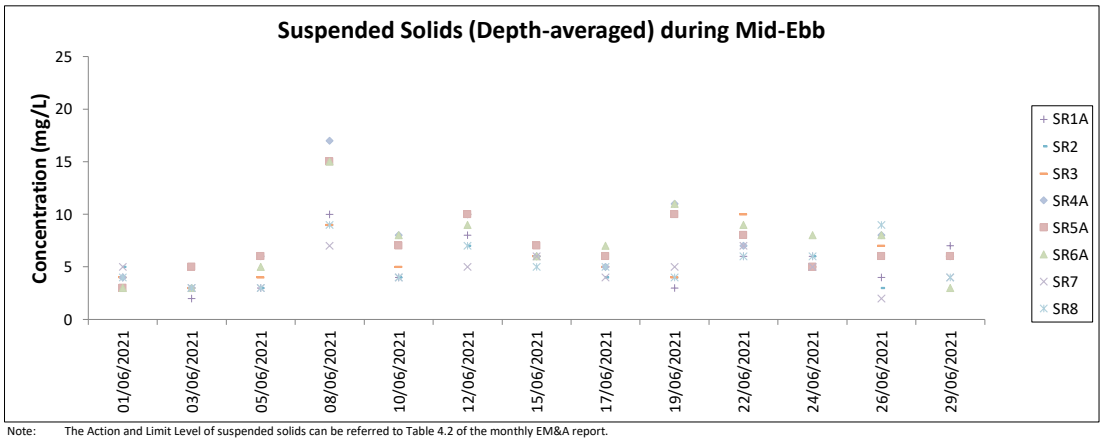


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

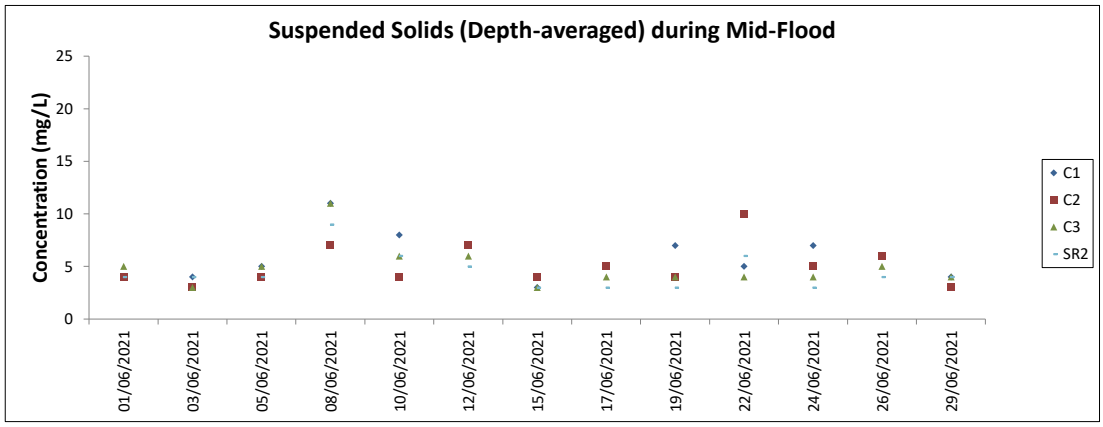


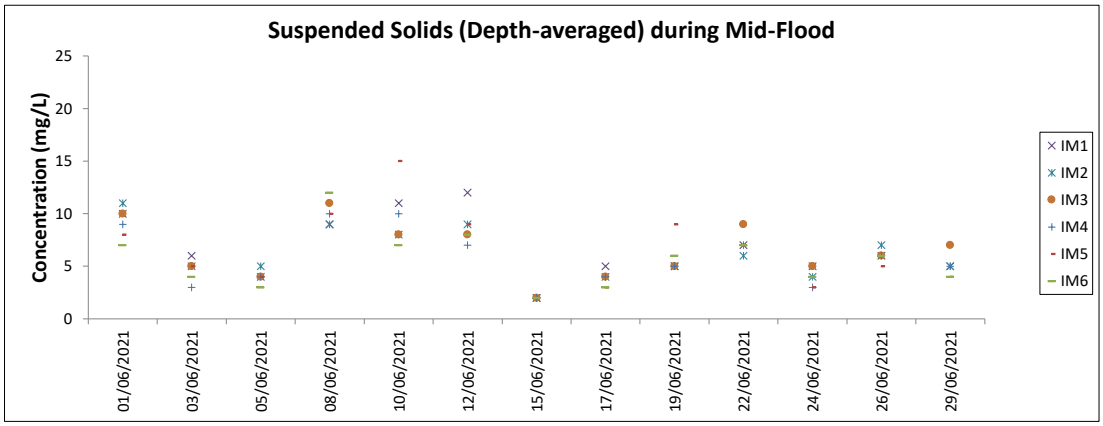


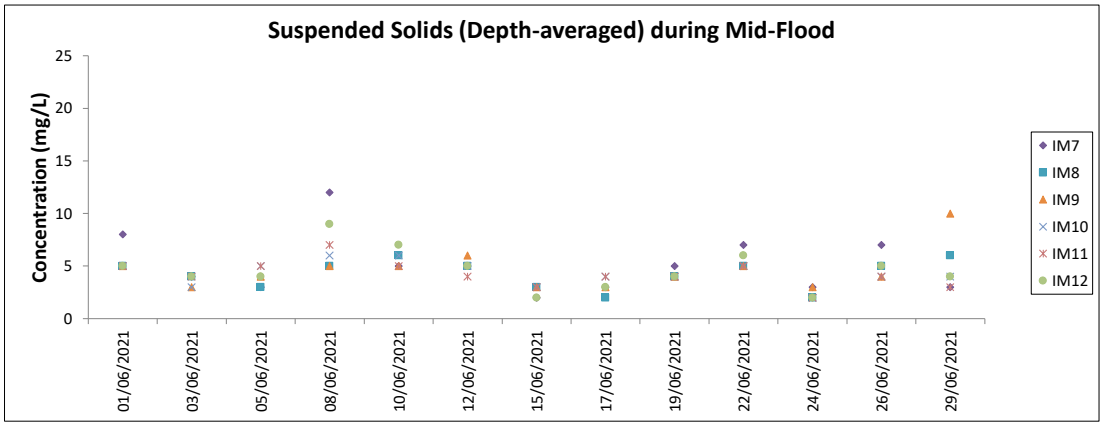


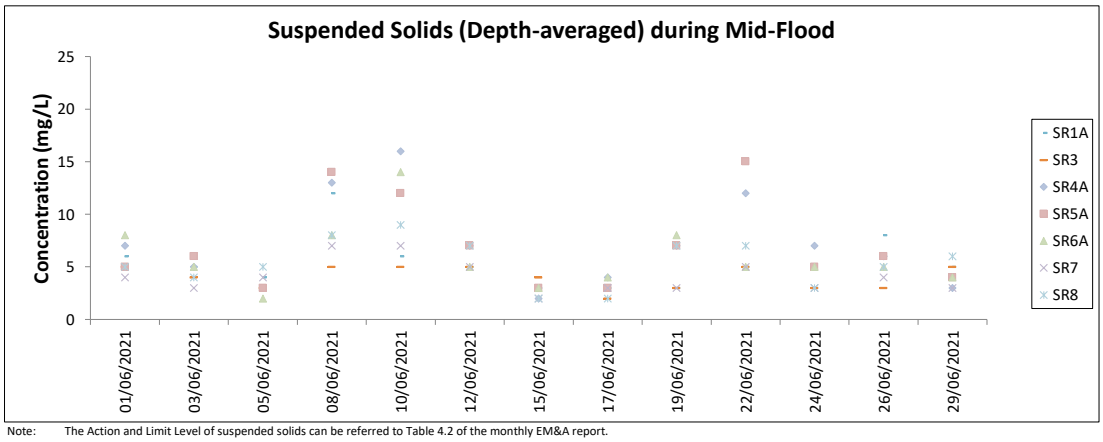


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

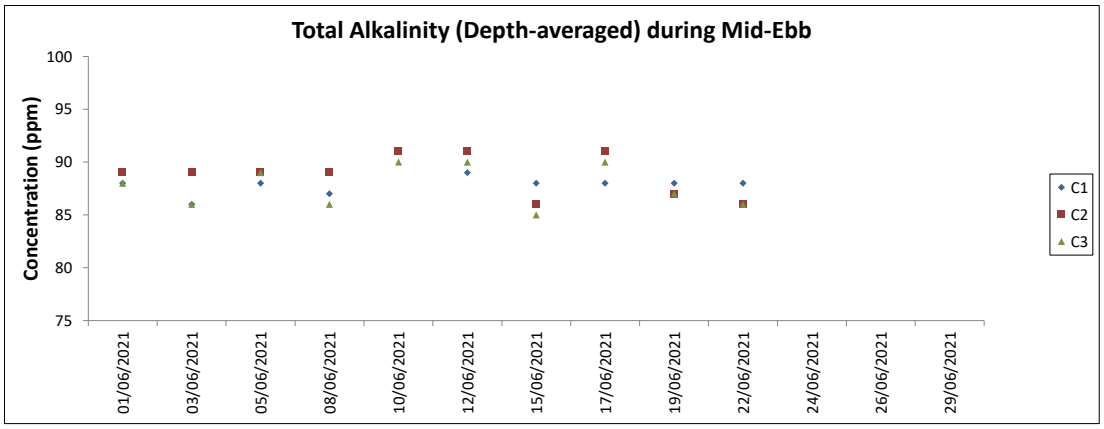


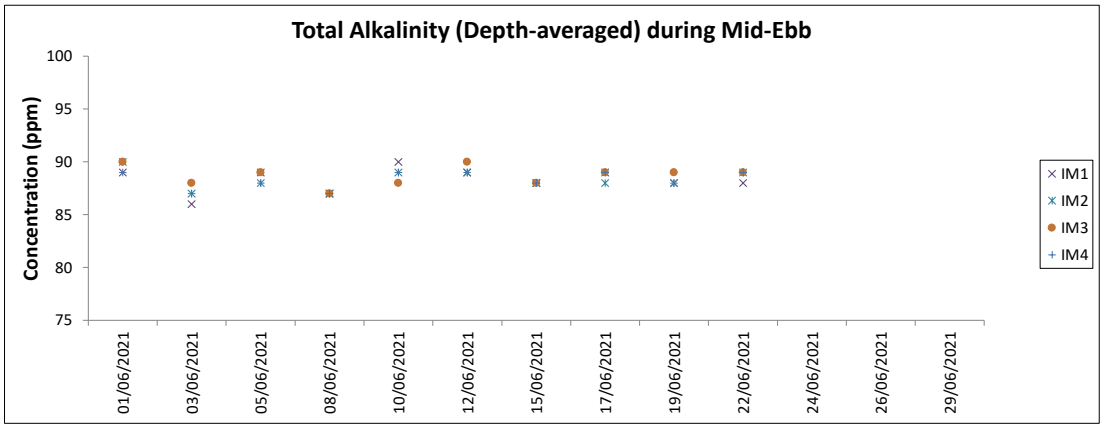


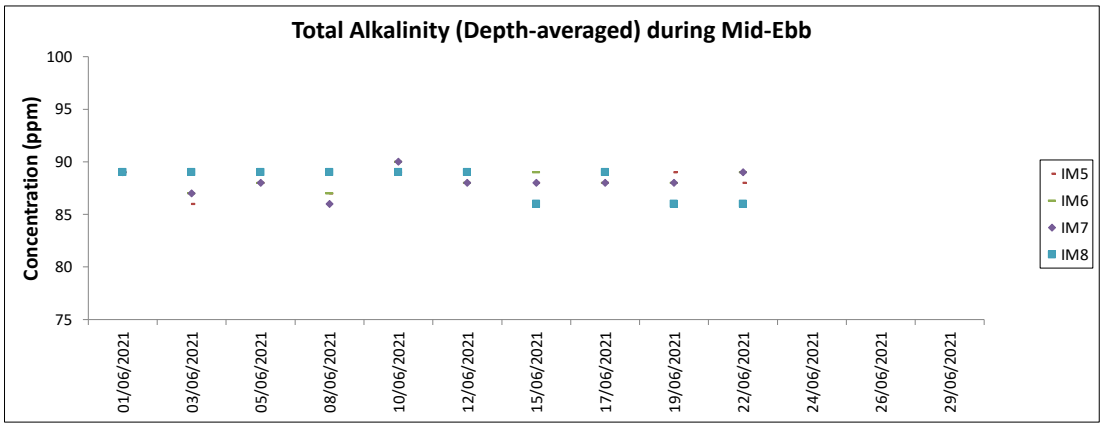


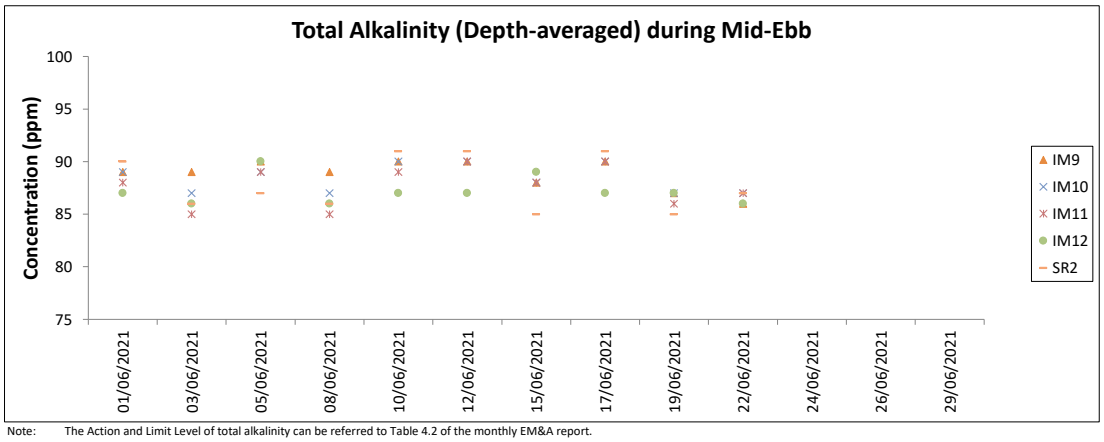


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

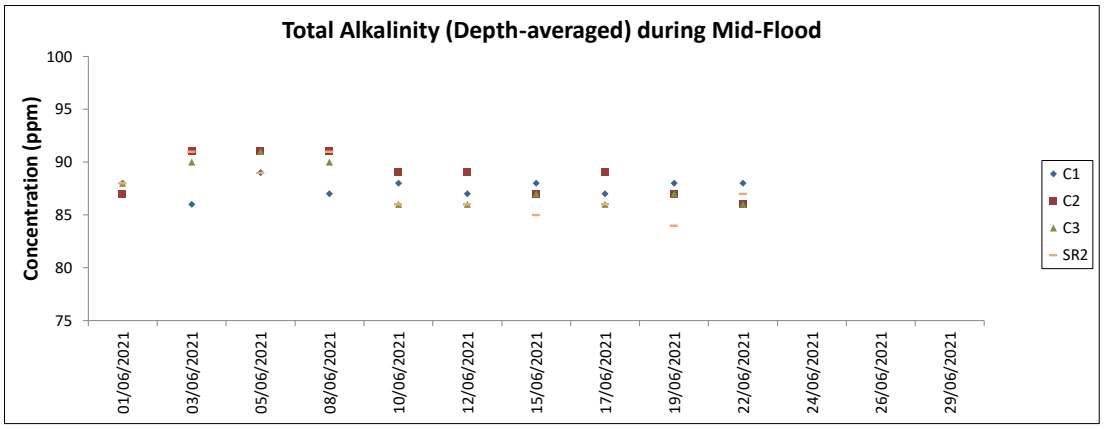


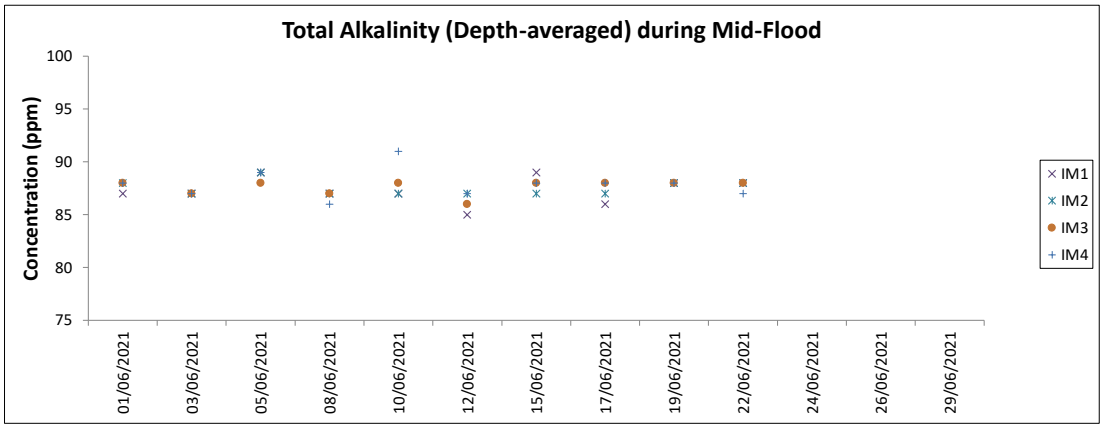


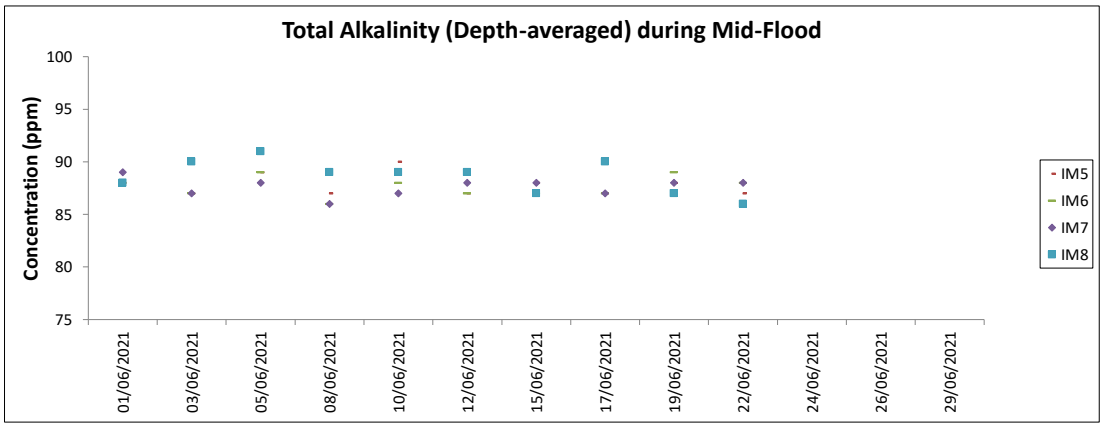


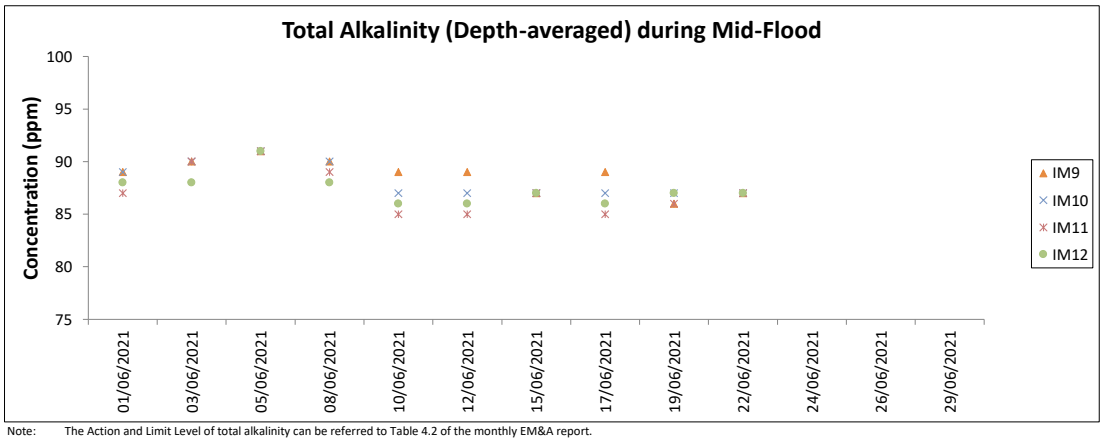


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

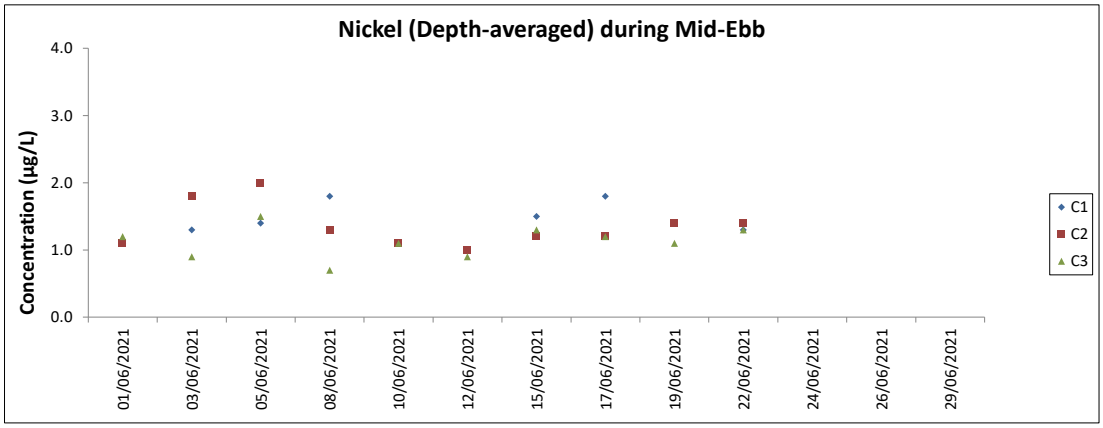


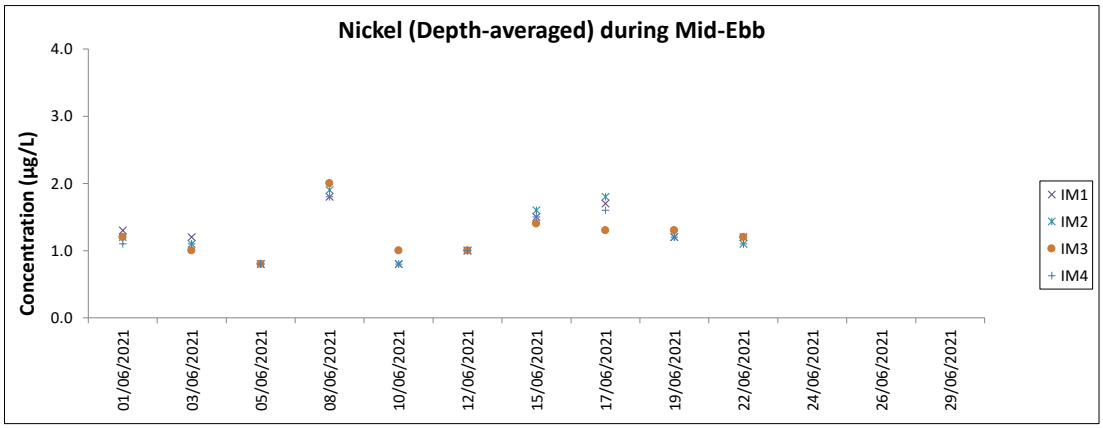


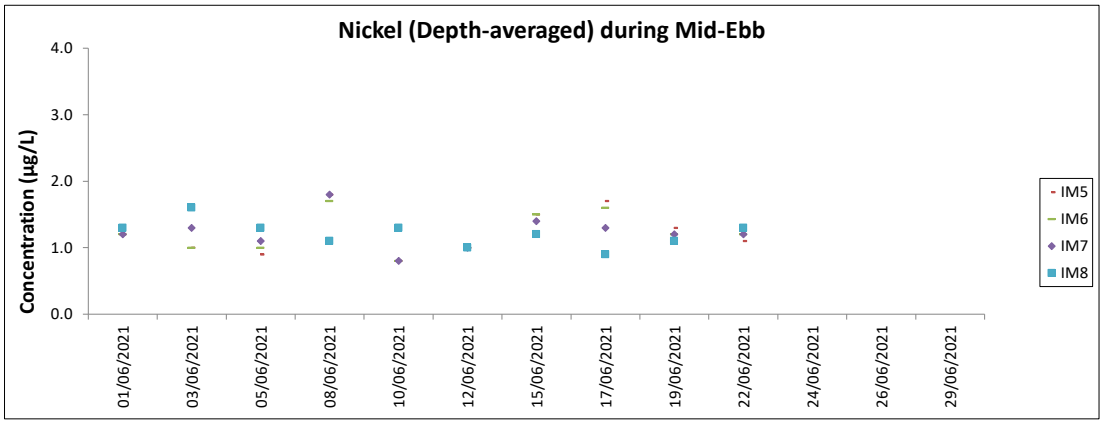


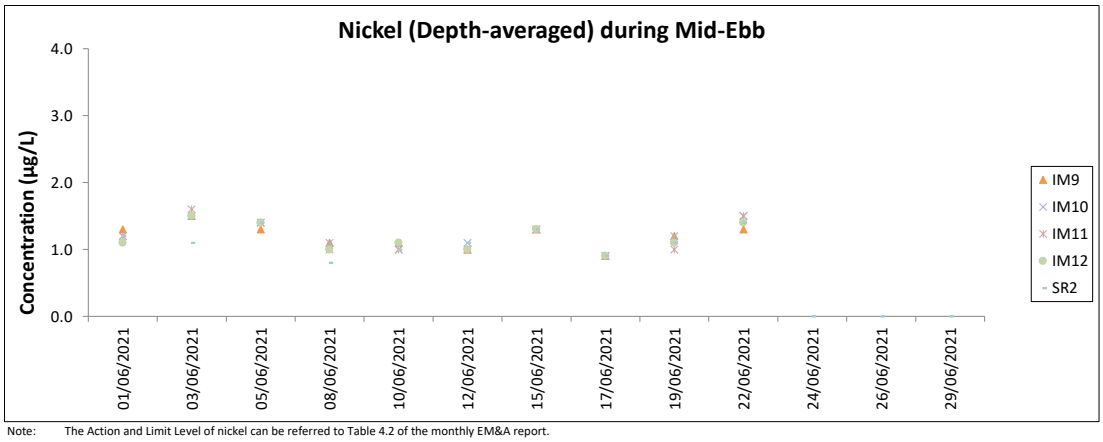


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

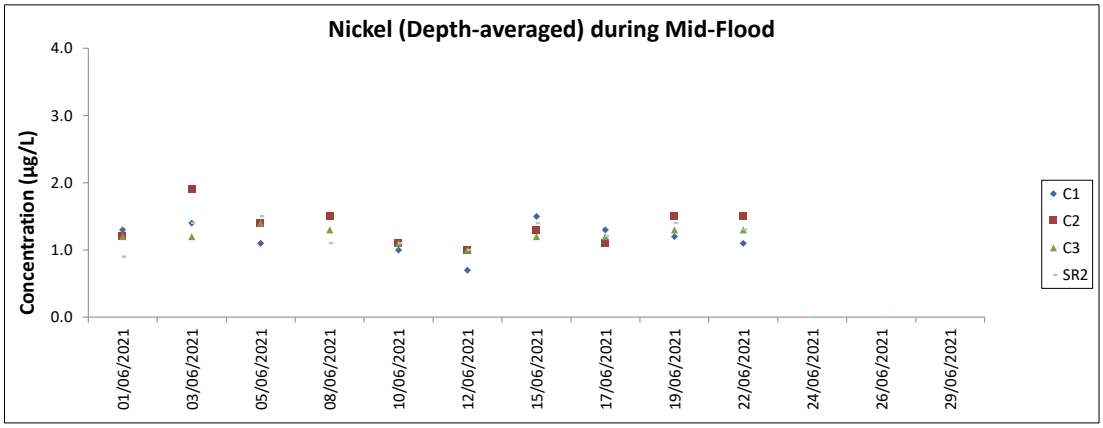


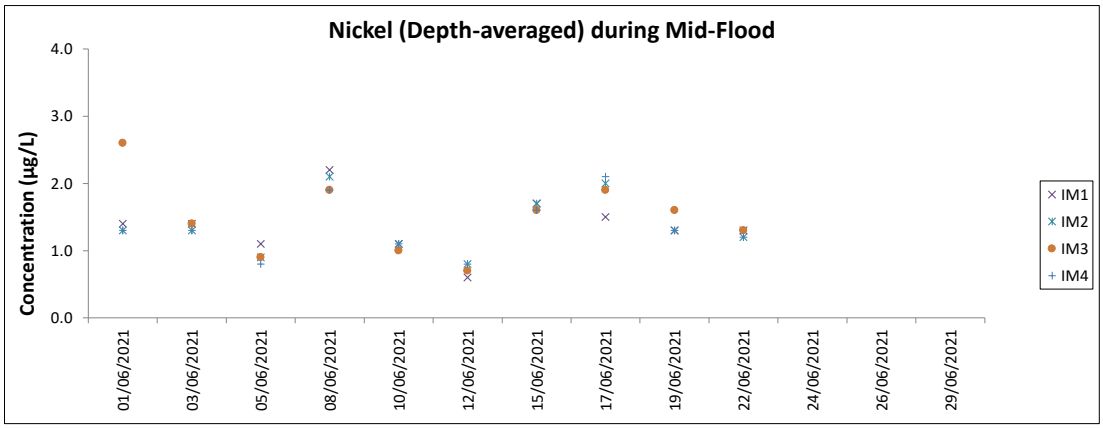


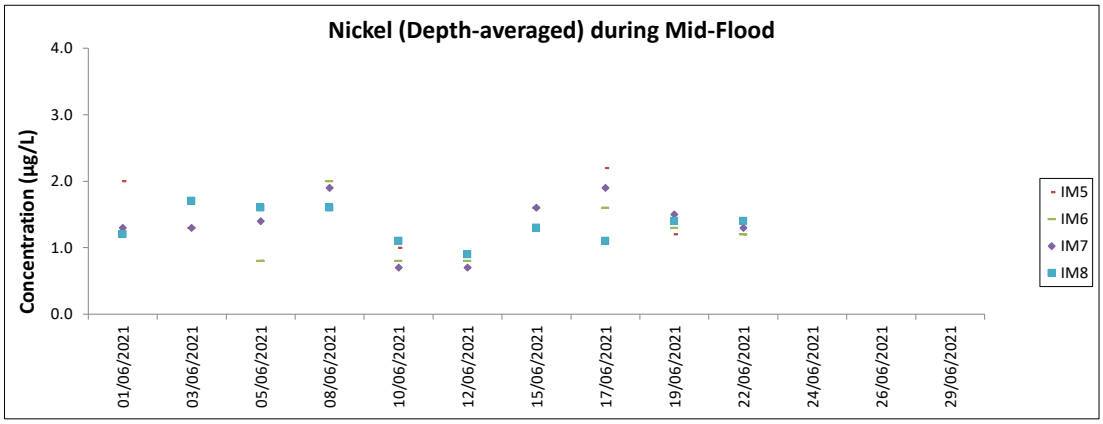


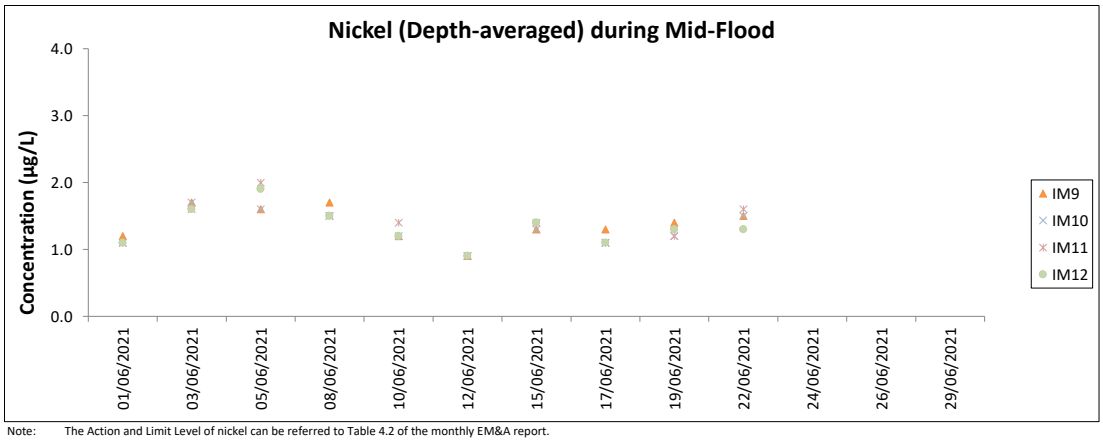


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/L.









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.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
7-Apr-21	NWL	2	5.840	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	45.160	SPRING	32166	3RS ET	P
7-Apr-21	NWL	4	12.900	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	8.800	SPRING	32166	3RS ET	S
7-Apr-21	NWL	4	2.600	SPRING	32166	3RS ET	S
12-Apr-21	AW	2	2.950	SPRING	32166	3RS ET	P
12-Apr-21	AW	3	1.920	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	14.085	SPRING	32166	3RS ET	P
12-Apr-21	WL	3	4.941	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	7.213	SPRING	32166	3RS ET	S
12-Apr-21	WL	3	2.029	SPRING	32166	3RS ET	S
12-Apr-21	WL	4	0.970	SPRING	32166	3RS ET	S
13-Apr-21	SWL	1	1.810	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	43.686	SPRING	32166	3RS ET	P
13-Apr-21	SWL	3	7.090	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	13.349	SPRING	32166	3RS ET	S
13-Apr-21	SWL	3	2.280	SPRING	32166	3RS ET	S
14-Apr-21	NEL	3	37.080	SPRING	32166	3RS ET	P
14-Apr-21	NEL	3	9.920	SPRING	32166	3RS ET	S
15-Apr-21	NEL	3	29.770	SPRING	32166	3RS ET	P
15-Apr-21	NEL	4	7.400	SPRING	32166	3RS ET	P
15-Apr-21	NEL	3	7.730	SPRING	32166	3RS ET	S
15-Apr-21	NEL	4	2.100	SPRING	32166	3RS ET	S
19-Apr-21	NWL	3	24.300	SPRING	32166	3RS ET	P
19-Apr-21	NWL	4	33.330	SPRING	32166	3RS ET	P
19-Apr-21	NWL	5	6.370	SPRING	32166	3RS ET	P
19-Apr-21	NWL	3	5.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	4	2.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	5	3.000	SPRING	32166	3RS ET	S
20-Apr-21	AW	3	4.860	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.600	SPRING	32166	3RS ET	P
20-Apr-21	WL	3	18.466	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.100	SPRING	32166	3RS ET	S
20-Apr-21	WL	3	9.774	SPRING	32166	3RS ET	S
21-Apr-21	SWL	3	25.980	SPRING	32166	3RS ET	P
21-Apr-21	SWL	4	13.080	SPRING	32166	3RS ET	P
21-Apr-21	SWL	5	15.050	SPRING	32166	3RS ET	P
21-Apr-21	SWL	3	8.070	SPRING	32166	3RS ET	S
21-Apr-21	SWL	4	4.740	SPRING	32166	3RS ET	S
21-Apr-21	SWL	5	3.380	SPRING	32166	3RS ET	S
6-May-21	NEL	3	30.130	SPRING	32166	3RS ET	P
6-May-21	NEL	4	7.170	SPRING	32166	3RS ET	P
6-May-21	NEL	3	10.100	SPRING	32166	3RS ET	S
11-May-21	AW	3	4.870	SPRING	32166	3RS ET	P
11-May-21	WL	3	17.180	SPRING	32166	3RS ET	P
11-May-21	WL	4	3.240	SPRING	32166	3RS ET	P
11-May-21	WL	3	7.890	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-May-21	WL	4	1.970	SPRING	32166	3RS ET	S
20-May-21	NWL	3	41.600	SPRING	32166	3RS ET	P
20-May-21	NWL	4	22.100	SPRING	32166	3RS ET	P
20-May-21	NWL	3	6.000	SPRING	32166	3RS ET	S
20-May-21	NWL	4	5.400	SPRING	32166	3RS ET	S
21-May-21	NEL	2	0.669	SPRING	32166	3RS ET	P
21-May-21	NEL	3	36.410	SPRING	32166	3RS ET	P
21-May-21	NEL	2	0.941	SPRING	32166	3RS ET	S
21-May-21	NEL	3	8.580	SPRING	32166	3RS ET	S
25-May-21	SWL	1	4.200	SPRING	32166	3RS ET	P
25-May-21	SWL	2	26.979	SPRING	32166	3RS ET	P
25-May-21	SWL	3	20.210	SPRING	32166	3RS ET	P
25-May-21	SWL	4	1.310	SPRING	32166	3RS ET	P
25-May-21	SWL	1	3.900	SPRING	32166	3RS ET	S
25-May-21	SWL	2	5.088	SPRING	32166	3RS ET	S
25-May-21	SWL	3	6.580	SPRING	32166	3RS ET	S
26-May-21	SWL	1	1.240	SPRING	32166	3RS ET	P
26-May-21	SWL	2	18.494	SPRING	32166	3RS ET	P
26-May-21	SWL	3	27.800	SPRING	32166	3RS ET	P
26-May-21	SWL	4	6.000	SPRING	32166	3RS ET	P
26-May-21	SWL	2	3.830	SPRING	32166	3RS ET	S
26-May-21	SWL	3	9.860	SPRING	32166	3RS ET	S
26-May-21	SWL	4	1.330	SPRING	32166	3RS ET	S
27-May-21	NWL	2	8.010	SPRING	32166	3RS ET	P
27-May-21	NWL	3	37.990	SPRING	32166	3RS ET	P
27-May-21	NWL	4	18.800	SPRING	32166	3RS ET	P
27-May-21	NWL	3	8.600	SPRING	32166	3RS ET	S
27-May-21	NWL	4	2.300	SPRING	32166	3RS ET	S
28-May-21	AW	2	4.730	SPRING	32166	3RS ET	P
28-May-21	WL	2	2.400	SPRING	32166	3RS ET	P
28-May-21	WL	3	14.857	SPRING	32166	3RS ET	P
28-May-21	WL	4	2.016	SPRING	32166	3RS ET	P
28-May-21	WL	3	8.377	SPRING	32166	3RS ET	S
28-May-21	WL	4	1.220	SPRING	32166	3RS ET	S
4-Jun-21	NEL	2	15.070	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	3	17.100	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	4	5.200	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	2	4.230	SUMMER	32166	3RS ET	S
4-Jun-21	NEL	3	5.800	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	3	15.180	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	4	32.070	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	5	6.500	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	2	0.800	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	3	0.600	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	4	6.250	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	5	2.800	SUMMER	32166	3RS ET	S
8-Jun-21	AW	2	4.950	SUMMER	32166	3RS ET	P
8-Jun-21	WL	2	8.959	SUMMER	32166	3RS ET	P
8-Jun-21	WL	3	8.488	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Jun-21	WL	2	4.800	SUMMER	32166	3RS ET	S
8-Jun-21	WL	3	4.462	SUMMER	32166	3RS ET	S
15-Jun-21	WL	2	0.910	SUMMER	32166	3RS ET	P
15-Jun-21	WL	3	15.750	SUMMER	32166	3RS ET	P
15-Jun-21	WL	4	3.148	SUMMER	32166	3RS ET	P
15-Jun-21	WL	2	1.320	SUMMER	32166	3RS ET	S
15-Jun-21	WL	3	7.130	SUMMER	32166	3RS ET	S
15-Jun-21	WL	4	2.542	SUMMER	32166	3RS ET	S
15-Jun-21	AW	3	4.200	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	3	47.300	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	4	17.300	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	3	8.900	SUMMER	32166	3RS ET	S
17-Jun-21	NWL	4	2.300	SUMMER	32166	3RS ET	S
21-Jun-21	NWL	3	19.300	SUMMER	32166	3RS ET	P
21-Jun-21	NWL	4	42.410	SUMMER	32166	3RS ET	P
21-Jun-21	NWL	3	9.200	SUMMER	32166	3RS ET	S
21-Jun-21	NWL	4	5.400	SUMMER	32166	3RS ET	S
22-Jun-21	NEL	2	22.400	SUMMER	32166	3RS ET	P
22-Jun-21	NEL	3	14.510	SUMMER	32166	3RS ET	P
22-Jun-21	NEL	2	4.100	SUMMER	32166	3RS ET	S
22-Jun-21	NEL	3	6.390	SUMMER	32166	3RS ET	S
25-Jun-21	SWL	2	22.860	SUMMER	32166	3RS ET	P
25-Jun-21	SWL	3	24.890	SUMMER	32166	3RS ET	P
25-Jun-21	SWL	2	11.130	SUMMER	32166	3RS ET	S
25-Jun-21	SWL	3	4.460	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months 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
12-Apr-21	1	1047	CWD	2	WL	2	271	ON	3RS ET	22.2501	113.8423	SPRING	NONE	P
12-Apr-21	2	1130	CWD	4	WL	2	335	ON	3RS ET	22.2322	113.8306	SPRING	NONE	P
12-Apr-21	3	1140	CWD	2	WL	2	52	ON	3RS ET	22.2237	113.8375	SPRING	NONE	S
12-Apr-21	4	1206	CWD	7	WL	2	438	ON	3RS ET	22.2143	113.8293	SPRING	NONE	P
13-Apr-21	1	1050	FP	3	SWL	2	222	ON	3RS ET	22.1852	113.9374	SPRING	NONE	P
13-Apr-21	2	1055	FP	4	SWL	2	150	ON	3RS ET	22.1759	113.9373	SPRING	NONE	P
13-Apr-21	3	1100	FP	3	SWL	2	14	ON	3RS ET	22.1700	113.9372	SPRING	NONE	P
13-Apr-21	4	1214	FP	1	SWL	2	419	ON	3RS ET	22.1414	113.9163	SPRING	NONE	S
13-Apr-21	5	1349	FP	3	SWL	2	413	ON	3RS ET	22.1900	113.8887	SPRING	NONE	P
13-Apr-21	6	1450	CWD	3	SWL	3	125	ON	3RS ET	22.1923	113.8691	SPRING	PURSE SEINER	P
13-Apr-21	7	1536	CWD	3	SWL	3	322	ON	3RS ET	22.1893	113.8491	SPRING	PURSE SEINER	P
20-Apr-21	1	1204	CWD	2	WL	3	155	ON	3RS ET	22.1910	113.8417	SPRING	PURSE SEINER	S
21-Apr-21	1	1152	FP	4	SWL	5	132	ON	3RS ET	22.1602	113.9181	SPRING	NONE	P
11-May-21	1	1043	CWD	2	WL	3	74	ON	3RS ET	22.2643	113.8571	SPRING	NONE	S
25-May-21	1	1105	FP	2	SWL	2	16	ON	3RS ET	22.1593	113.9280	SPRING	NONE	P
25-May-21	2	1109	FP	2	SWL	2	17	ON	3RS ET	22.1634	113.9279	SPRING	NONE	P
25-May-21	3	1252	CWD	1	SWL	2	256	ON	3RS ET	22.2042	113.8973	SPRING	NONE	P
25-May-21	4	1438	CWD	6	SWL	3	1	ON	3RS ET	22.1713	113.8681	SPRING	NONE	P
25-May-21	5	1521	CWD	1	SWL	2	129	ON	3RS ET	22.2000	113.8684	SPRING	NONE	P
25-May-21	6	1540	CWD	3	SWL	2	71	ON	3RS ET	22.1914	113.8587	SPRING	NONE	P
25-May-21	7	1610	CWD	3	SWL	2	1	ON	3RS ET	22.1813	113.8594	SPRING	NONE	P
25-May-21	8	1634	CWD	1	SWL	3	461	ON	3RS ET	22.1832	113.8495	SPRING	NONE	P
26-May-21	1	1357	CWD	2	SWL	3	199	ON	3RS ET	22.1911	113.8790	SPRING	NONE	P
26-May-21	2	1437	CWD	3	SWL	3	137	ON	3RS ET	22.1684	113.8685	SPRING	NONE	P
26-May-21	3	1504	CWD	6	SWL	2	631	ON	3RS ET	22.1958	113.8699	SPRING	NONE	P
28-May-21	1	1030	CWD	1	WL	3	651	ON	3RS ET	22.2693	113.8574	SPRING	NONE	P
28-May-21	2	1144	CWD	2	WL	4	240	ON	3RS ET	22.2142	113.8292	SPRING	NONE	P
8-Jun-21	1	1046	CWD	5	WL	2	216	ON	3RS ET	22.2501	113.8418	SUMMER	NONE	P
8-Jun-21	2	1109	CWD	4	WL	2	770	ON	3RS ET	22.2412	113.8427	SUMMER	NONE	P
8-Jun-21	3	1151	CWD	3	WL	3	38	ON	3RS ET	22.2242	113.8198	SUMMER	NONE	S
8-Jun-21	4	1246	CWD	1	WL	3	23	ON	3RS ET	22.1955	113.8333	SUMMER	NONE	P
15-Jun-21	1	1044	CWD	4	WL	3	198	ON	3RS ET	22.2611	113.8514	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
25-Jun-21	1	1119	CWD	1	SWL	2	45	ON	3RS ET	22.1829	113.9277	SUMMER	NONE	P
25-Jun-21	2	1413	CWD	1	SWL	2	1006	ON	3RS ET	22.1976	113.8787	SUMMER	NONE	P
25-Jun-21	3	1429	CWD	5	SWL	3	202	ON	3RS ET	22.1832	113.8785	SUMMER	NONE	P
25-Jun-21	4	1523	CWD	2	SWL	3	816	ON	3RS ET	22.1938	113.8591	SUMMER	NONE	P

Abbreviations: STG# = Sighting Number; GP SZ = 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 are presented for reference only. No relevant figure or text will be mentioned in this 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 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 315.189 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 9 on-effort sightings and total number of 26 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in June 2021 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in June 2021

$$STG = \frac{9}{315.189}\ x\ 100 = 2.86$$

Encounter Rate by Number of Dolphins (ANI) in June 2021

$$ANI = \frac{26}{315.189}\ x\ 100 = 8.25$$

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

A total of 1038.407 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 27 on-effort sightings and total number of 78 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

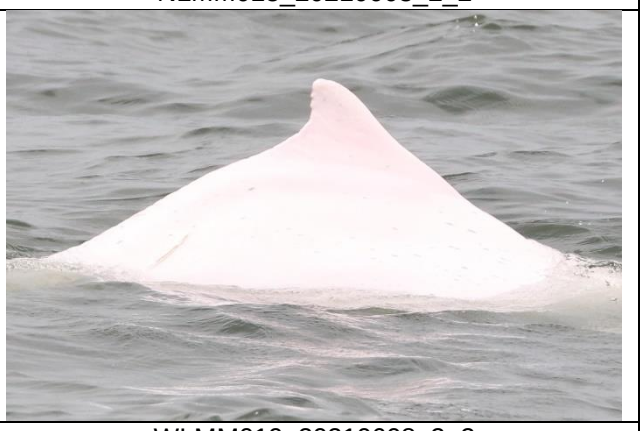
Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)

$$STG = \frac{27}{1038.407}\ x\ 100 = 2.60$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{78}{1038.407}\ x\ 100 = 7.51$$

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

NLMM015_20210608_1_1	WLMM019_20210608_1_3
WLMM156_20210608_1_6	WLMM164_20210608_1_2
WLMM165_20210608_1_15	NLMM015_20210608_2_2
	
NLMM063_20210608_2_6	WLMM019_20210608_2_2

WLMM164_20210608_2_7_Lower	WLMM043_20210608_3_3
WLMM065_20210608_3_2	SLMM010_20210608_4_3
NLMM015_20210615_1_8	NLMM037_20210615_1_2
WLMM164_20210615_1_1_Right	WLMM131_20210625_1_4

SLMM012_20210625_3_3	WLMM114_20210625_3_2

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
9/Jun/21	Lung Kwu Chau	8:48	14:48	6:00	2	1-2	0	-
16/Jun/21	Sha Chau	10:56	16:56	6:00	3-5	1	0	-

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