

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

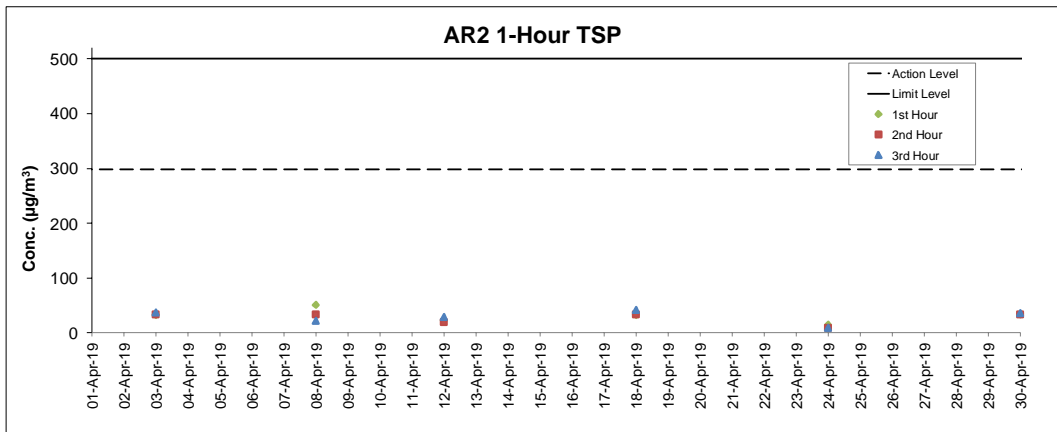
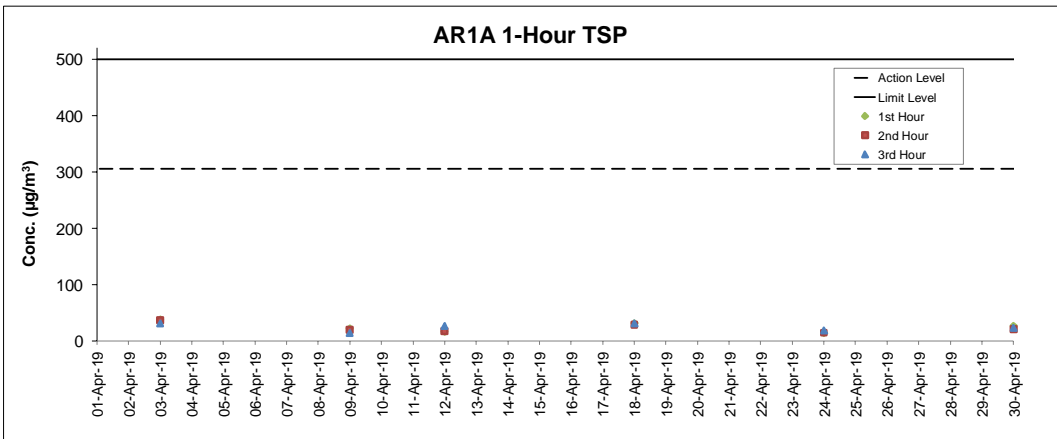
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
03-Apr-19	9:33	Sunny	5.6	86	38	306	500
03-Apr-19	10:33	Sunny	6.0	74	37	306	500
03-Apr-19	11:33	Sunny	6.0	104	31	306	500
09-Apr-19	9:00	Sunny	4.2	161	23	306	500
09-Apr-19	10:00	Sunny	4.2	197	20	306	500
09-Apr-19	11:00	Sunny	4.6	150	15	306	500
12-Apr-19	14:58	Cloudy	8.1	107	17	306	500
12-Apr-19	15:58	Cloudy	12.0	88	18	306	500
12-Apr-19	16:58	Cloudy	9.7	87	27	306	500
18-Apr-19	09:20	Cloudy	5.2	112	32	306	500
18-Apr-19	10:20	Cloudy	7.5	94	29	306	500
18-Apr-19	11:20	Cloudy	10.0	115	32	306	500
24-Apr-19	14:55	Sunny	7.1	233	14	306	500
24-Apr-19	15:55	Sunny	5.9	203	15	306	500
24-Apr-19	16:55	Sunny	4.9	219	19	306	500
30-Apr-19	9:11	Cloudy	5.5	199	27	306	500
30-Apr-19	10:11	Cloudy	7.7	207	21	306	500
30-Apr-19	11:11	Cloudy	9.0	230	24	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sun

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
03-Apr-19	9:28	Sunny	5.6	42	33	298	500
03-Apr-19	10:28	Sunny	5.8	91	34	298	500
03-Apr-19	11:28	Sunny	6.0	70	37	298	500
08-Apr-19	9:26	Cloudy	3.0	53	51	298	500
08-Apr-19	10:26	Cloudy	2.1	36	34	298	500
08-Apr-19	11:26	Cloudy	3.1	29	22	298	500
12-Apr-19	9:22	Rainy	7.4	94	23	298	500
12-Apr-19	10:22	Rainy	5.4	106	20	298	500
12-Apr-19	11:22	Rainy	6.7	89	29	298	500
18-Apr-19	9:00	Cloudy	7.5	96	33	298	500
18-Apr-19	10:00	Cloudy	6.3	99	34	298	500
18-Apr-19	11:00	Cloudy	6.7	116	42	298	500
24-Apr-19	9:30	Sunny	3.8	224	15	298	500
24-Apr-19	10:30	Sunny	4.8	236	9	298	500
24-Apr-19	11:30	Sunny	6.8	230	9	298	500
30-Apr-19	9:25	Cloudy	5.4	204	34	298	500
30-Apr-19	10:25	Cloudy	7.4	217	34	298	500
30-Apr-19	11:25	Cloudy	8.7	236	36	298	500



Notes

- 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.

Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured	Measured	L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₅₀ dB(A)	
03-Apr-19	Sunny	10:08	70.8	54.3	73
03-Apr-19	Sunny	10:13	75.2	54.1	
03-Apr-19	Sunny	10:18	73.4	56.2	
03-Apr-19	Sunny	10:23	72.6	55.8	
03-Apr-19	Sunny	10:28	72.0	54.3	
03-Apr-19	Sunny	10:33	71.6	54.8	72
09-Apr-19	Sunny	09:11	72.4	54.2	
09-Apr-19	Sunny	09:16	74.2	55.1	
09-Apr-19	Sunny	09:21	73.5	55.1	
09-Apr-19	Sunny	09:26	70.9	53.4	
09-Apr-19	Sunny	09:31	72.8	54.8	72
09-Apr-19	Sunny	09:36	71.5	53.3	
18-Apr-19	Cloudy	09:31	72.7	56.5	
18-Apr-19	Cloudy	09:36	72.4	55.0	
18-Apr-19	Cloudy	09:41	73.3	55.9	
18-Apr-19	Cloudy	09:46	70.3	53.6	71
18-Apr-19	Cloudy	09:51	73.3	57.2	
18-Apr-19	Cloudy	09:56	73.2	55.8	
24-Apr-19	Sunny	15:12	72.7	55.2	
24-Apr-19	Sunny	15:17	71.0	52.6	
24-Apr-19	Sunny	15:22	70.5	52.6	72
24-Apr-19	Sunny	15:27	73.3	52.1	
24-Apr-19	Sunny	15:32	71.3	52.3	
24-Apr-19	Sunny	15:37	69.6	52.1	
30-Apr-19	Cloudy	09:23	74.1	54.7	
30-Apr-19	Cloudy	09:28	71.9	53.9	72
30-Apr-19	Cloudy	09:33	72.0	55.3	
30-Apr-19	Cloudy	09:38	70.2	53.2	
30-Apr-19	Cloudy	09:43	74.2	56.0	
30-Apr-19	Cloudy	09:48	72.4	55.8	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured	Measured	L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₅₀ dB(A)	
03-Apr-19	Sunny	11:56	63.4	59.4	64
03-Apr-19	Sunny	12:01	62.6	58.7	
03-Apr-19	Sunny	12:06	64.8	59.1	
03-Apr-19	Sunny	12:11	63.0	59.3	
03-Apr-19	Sunny	12:16	62.5	58.3	
03-Apr-19	Sunny	12:21	63.6	59.0	63
09-Apr-19	Sunny	11:16	62.8	57.8	
09-Apr-19	Sunny	11:21	62.5	58.1	
09-Apr-19	Sunny	11:26	61.6	57.1	
09-Apr-19	Sunny	11:31	61.1	56.7	
09-Apr-19	Sunny	11:36	63.1	56.9	66
09-Apr-19	Sunny	11:41	62.8	58.1	
18-Apr-19	Cloudy	13:29	65.3	59.8	
18-Apr-19	Cloudy	13:34	63.4	59.0	
18-Apr-19	Cloudy	13:39	64.3	59.3	
18-Apr-19	Cloudy	13:44	63.6	60.4	63
18-Apr-19	Cloudy	13:49	63.5	59.9	
18-Apr-19	Cloudy	13:54	66.3	60.8	
24-Apr-19	Sunny	13:41	60.8	56.6	
24-Apr-19	Sunny	13:46	61.6	56.9	
24-Apr-19	Sunny	13:51	61.4	58.2	66
24-Apr-19	Sunny	13:56	61.5	57.7	
24-Apr-19	Sunny	14:01	61.0	58.0	
24-Apr-19	Sunny	14:06	61.5	57.0	
30-Apr-19	Cloudy	13:53	66.4	60.1	
30-Apr-19	Cloudy	13:58	64.0	59.4	66
30-Apr-19	Cloudy	14:03	64.5	60.1	
30-Apr-19	Cloudy	14:08	64.2	59.6	
30-Apr-19	Cloudy	14:13	66.1	60.7	
30-Apr-19	Cloudy	14:18	65.0	60.2	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₅₀ dB(A)	
03-Apr-19	Sunny	10:44	57.1	49.2	59
03-Apr-19	Sunny	10:49	57.0	49.8	
03-Apr-19	Sunny	10:54	56.1	49.7	
03-Apr-19	Sunny	10:59	60.8	50.6	
03-Apr-19	Sunny	11:04	59.3	52.0	
03-Apr-19	Sunny	11:09	59.5	49.7	
08-Apr-19	Cloudy	10:04	57.4	50.3	61
08-Apr-19	Cloudy	10:09	60.6	52.6	
08-Apr-19	Cloudy	10:14	61.9	46.7	
08-Apr-19	Cloudy	10:19	53.2	45.6	
08-Apr-19	Cloudy	10:24	59.5	50.2	
08-Apr-19	Cloudy	10:29	57.5	48.1	
18-Apr-19	Cloudy	09:31	51.0	45.6	56
18-Apr-19	Cloudy	09:36	59.9	45.6	
18-Apr-19	Cloudy	09:41	47.7	45.2	
18-Apr-19	Cloudy	09:46	51.9	45.2	
18-Apr-19	Cloudy	09:51	53.9	45.7	
18-Apr-19	Cloudy	09:56	57.5	48.4	
24-Apr-19	Sunny	10:03	53.2	42.2	57
24-Apr-19	Sunny	10:08	48.8	41.3	
24-Apr-19	Sunny	10:13	49.9	43.7	
24-Apr-19	Sunny	10:18	56.2	45.0	
24-Apr-19	Sunny	10:23	52.9	45.7	
24-Apr-19	Sunny	10:28	54.0	44.5	
30-Apr-19	Cloudy	09:30	56.6	44.3	53
30-Apr-19	Cloudy	09:35	56.2	45.2	
30-Apr-19	Cloudy	09:40	50.3	44.9	
30-Apr-19	Cloudy	09:45	50.4	44.1	
30-Apr-19	Cloudy	09:50	55.4	42.4	
30-Apr-19	Cloudy	09:55	60.9	43.7	

Remarks:

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

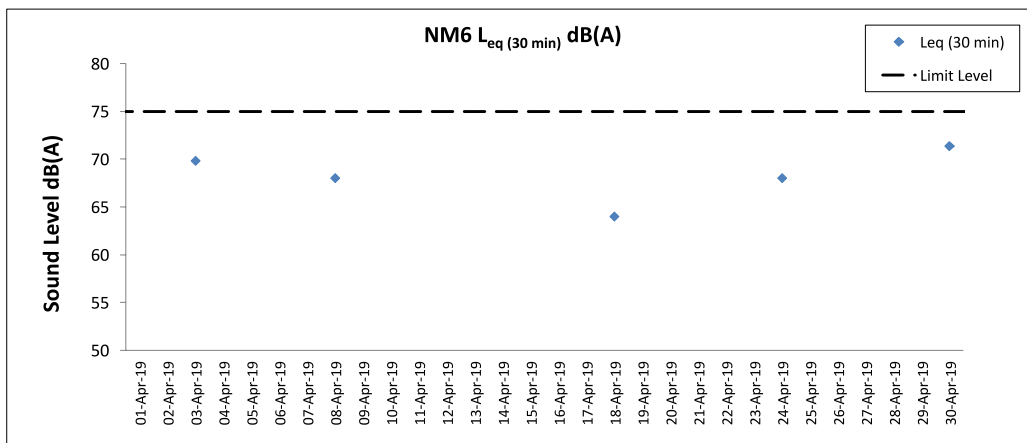
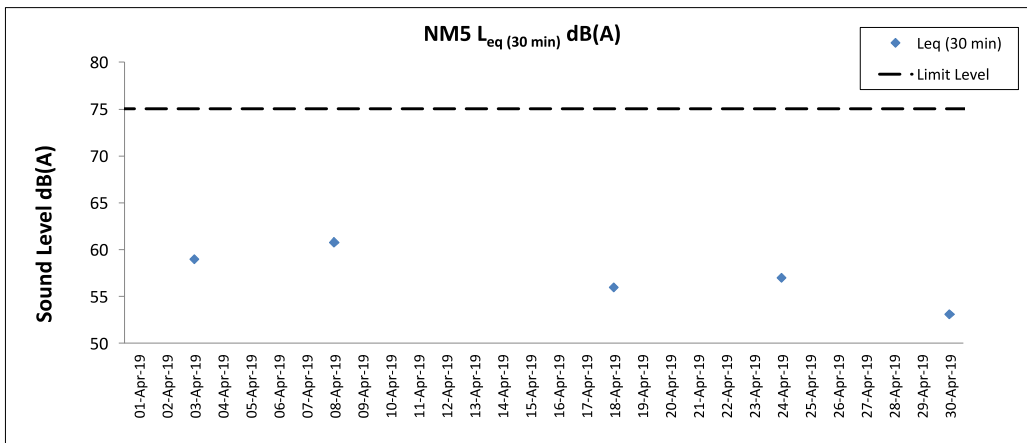
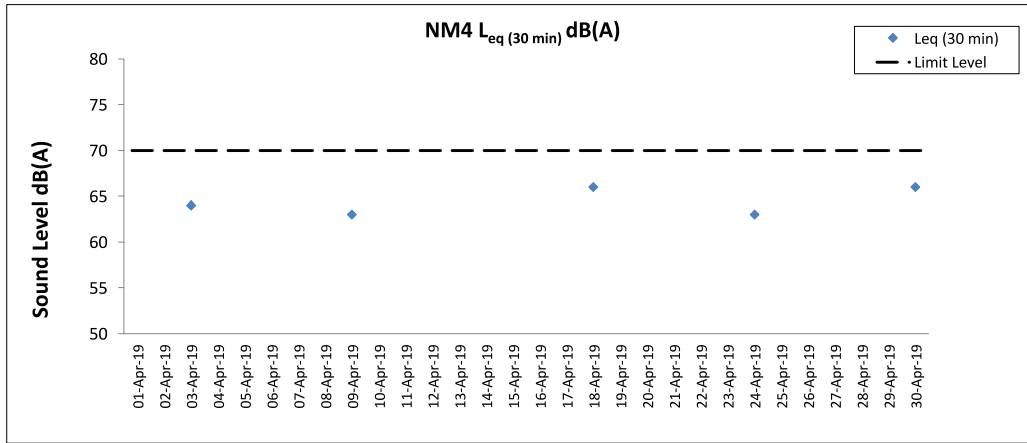
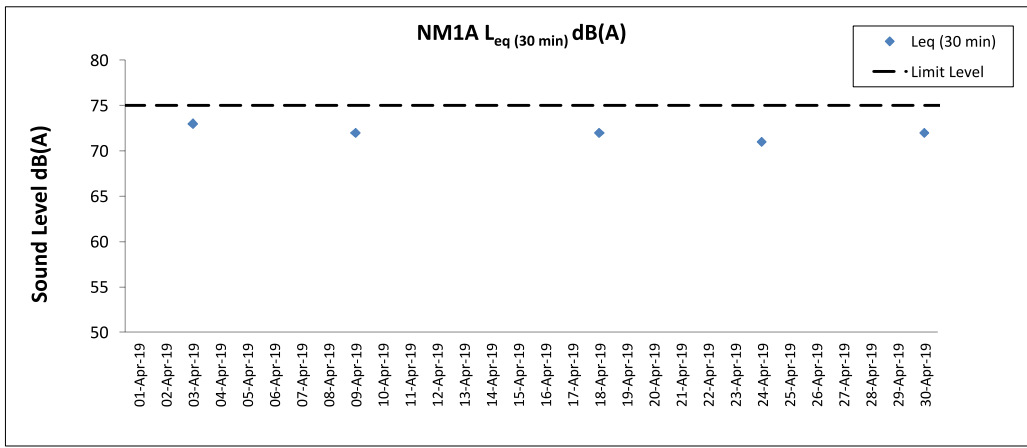
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₅₀ dB(A)	
03-Apr-19	Sunny	13:33	70.8	65.2	70
03-Apr-19	Sunny	13:38	73.7	56.5	
03-Apr-19	Sunny	13:43	68.4	53.3	
03-Apr-19	Sunny	13:48	73.5	57.7	
03-Apr-19	Sunny	13:53	75.1	58.1	
03-Apr-19	Sunny	13:58	74.0	55.2	
08-Apr-19	Cloudy	13:47	69.4	47.2	68
08-Apr-19	Cloudy	13:52	72.9	48.5	
08-Apr-19	Cloudy	13:57	64.7	46.8	
08-Apr-19	Cloudy	14:02	72.7	46.6	
08-Apr-19	Cloudy	14:07	74.8	48.1	
08-Apr-19	Cloudy	14:12	73.5	48.3	
18-Apr-19	Cloudy	13:25	60.7	50.0	64
18-Apr-19	Cloudy	13:30	60.4	49.6	
18-Apr-19	Cloudy	13:35	61.6	50.8	
18-Apr-19	Cloudy	13:40	63.4	52.4	
18-Apr-19	Cloudy	13:45	60.3	52.6	
18-Apr-19	Cloudy	13:50	68.8	60.7	
24-Apr-19	Sunny	13:43	74.9	47.4	68
24-Apr-19	Sunny	13:48	69.5	46.3	
24-Apr-19	Sunny	13:53	72.9	46.9	
24-Apr-19	Sunny	13:58	67.5	47.3	
24-Apr-19	Sunny	14:03	68.9	46.0	
24-Apr-19	Sunny	14:08	74.9	46.3	
30-Apr-19	Cloudy	13:33	74.4	52.7	71
30-Apr-19	Cloudy	13:38	72.6	52.1	
30-Apr-19	Cloudy	13:43	71.8	52.7	
30-Apr-19	Cloudy	13:48	73.3	52.0	
30-Apr-19	Cloudy	13:53	74.3	53.2	
30-Apr-19	Cloudy	13:58	73.9	53.4	

Remarks:

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



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 02 April 19 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	Value	DA	Value	DA
C1	Sunny	Moderate	11:11	8.4	Surface	1.0	0.3	148	22.1	22.1	8.1	8.1	30.5	30.5	100.4	100.4	7.4	7.4	1.6	1.6	4	4	83	83			<0.2	1.0						
						1.0	0.3	161	22.1	22.1	8.1	8.1	30.5	30.5	100.4	100.4	7.4	7.4	1.6	1.6	2	2	83	83			<0.2	0.8						
						4.2	0.2	166	22.0	22.0	8.1	8.1	30.2	30.2	100.2	100.2	7.4	7.4	1.2	1.2	3	3	88	88			<0.2	0.8						
					Middle	4.2	0.2	176	21.9	21.9	8.1	8.1	30.2	30.2	100.2	100.2	7.4	7.4	1.2	1.2	4	4	88	88			<0.2	0.9						
						7.4	0.1	165	21.9	21.9	8.0	8.0	30.3	30.3	99.7	99.7	7.3	7.3	6.7	6.7	4	4	91	91			<0.2	0.7						
						7.4	0.1	174	21.9	21.9	8.0	8.0	30.3	30.3	99.6	99.6	7.3	7.3	6.7	6.7	4	4	91	91			<0.2	0.9						
C2	Sunny	Moderate	10:23	11.5	Surface	1.0	0.1	149	22.2	22.2	8.4	8.4	25.6	25.6	94.8	94.8	7.1	7.1	6.0	6.0	2	2	88	88			<0.2	1.8						
						1.0	0.1	156	22.2	22.2	8.4	8.4	25.6	25.6	94.8	94.8	7.1	7.1	6.1	6.1	2	2	85	85			<0.2	1.9						
						5.8	0.1	260	22.1	22.1	8.4	8.4	27.5	27.5	94.3	94.3	7.0	7.0	6.0	6.0	3	3	89	89			<0.2	1.7						
					Middle	5.8	0.1	279	22.1	22.1	8.4	8.4	27.5	27.5	94.3	94.3	7.0	7.0	6.4	6.4	2	2	88	88			<0.2	1.5						
						10.5	0.1	206	22.1	22.1	8.4	8.4	28.4	28.4	95.1	95.1	7.0	7.0	4.0	4.0	4	4	89	89			<0.2	1.4						
						10.5	0.1	215	22.1	22.1	8.4	8.4	28.4	28.4	95.3	95.2	7.1	7.1	4.2	4.2	5	5	90	90			<0.2	1.5						
C3	Sunny	Moderate	12:16	11.6	Surface	1.0	0.2	63	22.0	22.0	8.4	8.4	29.0	29.0	97.8	97.9	7.2	7.2	3.1	3.1	2	2	85	85			<0.2	0.8						
						1.0	0.3	65	22.0	22.0	8.4	8.4	29.0	29.0	98.0	97.9	7.2	7.2	3.1	3.1	3	3	87	87			<0.2	1.0						
						5.8	0.2	98	22.0	22.1	8.4	8.4	25.9	25.9	96.7	96.7	7.3	7.3	5.9	5.9	3	3	88	88			<0.2	1.0						
					Middle	5.8	0.3	100	22.1	22.1	8.4	8.4	25.9	25.9	96.6	96.7	7.3	7.3	5.9	5.9	4	4	89	89			<0.2	0.9						
						10.6	0.3	109	22.2	22.2	8.4	8.4	29.6	29.6	97.1	97.2	7.1	7.1	8.4	8.4	3	3	90	90			<0.2	0.9						
						10.6	0.4	117	22.2	22.2	8.4	8.4	29.6	29.6	97.3	97.2	7.2	7.2	8.3	8.3	4	4	91	91			<0.2	0.8						
IM1	Sunny	Moderate	11:02	4.3	Surface	1.0	0.0	223	22.0	22.1	8.1	8.1	30.5	30.5	100.2	100.3	7.3	7.3	4.2	4.2	3	3	83	83			<0.2	1.1						
						1.0	0.0	238	22.1	22.1	8.1	8.1	30.5	30.5	100.4	100.3	7.3	7.3	4.2	4.2	3	3	84	84			<0.2	1.2						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.3	0.1	144	22.2	22.2	8.1	8.1	30.6	30.6	100.8	100.8	7.4	7.4	9.6	9.6	3	3	92	92			<0.2	1.3						
						3.3	0.1	154	22.2	22.2	8.1	8.1	30.6	30.6	100.8	100.8	7.4	7.4	9.7	9.7	3	3	92	92			<0.2	1.2						
IM2	Sunny	Moderate	10:56	8.1	Surface	1.0	0.1	50	21.8	21.8	8.1	8.1	30.7	30.7	99.9	99.9	7.3	7.3	2.0	2.0	3	3	83	83			<0.2	1.6						
						1.0	0.1	51	21.8	21.8	8.1	8.1	30.7	30.7	99.9	99.9	7.3	7.3	2.1	2.1	3	3	84	84			<0.2	1.4						
						4.1	0.1	98	21.7	21.7	8.1	8.1	30.7	30.7	100.0	100.1	7.4	7.4	8.0	8.0	4	4	88	88			<0.2	1.7						
					Middle	4.1	0.1	99	21.7	21.7	8.1	8.1	30.7	30.7	100.1	100.1	7.4	7.4	8.0	8.0	4	4	88	88			<0.2	1.7						
						7.1	0.2	108	21.8	21.8	8.1	8.1	30.7	30.7	100.5	100.6	7.4	7.4	13.2	13.2	4	4	91	91			<0.2	1.4						
						7.1	0.2	118	21.8	21.8	8.1	8.1	30.7	30.7	100.6	100.6	7.4	7.4	13.2	13.2	4	4	92	92			<0.2	1.6						
IM3	Sunny	Moderate	10:51	7.5	Surface	1.0	0.2	11	21.7	21.7	8.1	8.1	30.6	30.6	100.4	100.4	7.4	7.4	3.5	3.5	3	3	83	83			<0.2	1.4						
						1.0	0.2	11	21.7	21.7	8.1	8.1	30.6	30.6	100.4	100.4	7.4	7.4	3.5	3.5	3	3	83	83			<0.2	1.3						
						3.8	0.1	17	21.7	21.7	8.1	8.1	30.6	30.6	100.4	100.4	7.4	7.4	4.0	4.0	4	4	87	87			<0.2	1.4						
					Middle	3.8	0.1	17	21.7	21.7	8.1	8.1	30.6	30.6	100.4	100.4	7.4	7.4	4.2	4.2	3	3	88	88			<0.2	1.4						
						6.5	0.1	37	21.5	21.5	8.1	8.1	30.2	30.2	101.3	101.3	7.5	7.5	12.4	12.4	4	4	91	91			<0.2	1.6						
						6.5	0.1	39	21.4	21.4	8.1	8.1	30.2	30.2	101.3	101.3	7.5	7.5	12.4	12.4	4	4	92	92			<0.2	1.5						
IM4	Sunny	Moderate	10:42	7.9	Surface	1.0	0.2	233	21.8	21.8	8.1	8.0	31.0	31.0	99.6	99.6	7.3	7.3	4.1	4.1	4	4	79	79			<0.2	1.2						
						1.0	0.2	256	21.8	21.8	8.0	8.0	31.0	31.0	99.6	99.6	7.3	7.3	4.1	4.1	4	4	80	80			<0.2	1.0						
						4.0	0.2	214	21.6	21.6	8.0	8.0	31.1	31.1	99.4	99.4	7.3	7.3	3.0	3.0	5	5	87	87			<0.2	1.3						
					Middle	4.0	0.2	214	21.6	21.6	8.0	8.0	31.1	31.1	99.4	99.4	7.3	7.3	3.1	3.1	5	5	88	88			<0.2	1.3						
						6.9	0.2	209	21.4	21.4	8.0	8.0	28.9	28.9	99.0	99.1	7.4	7.4	1.5	1.5	5	5	91	91			<0.2	1.3						
						6.9	0.2	226	21.4	21.4	8.0	8.0	28.9	28.9	99.1	99.1	7.4	7.4	1.6	1.6	4	4	92	92			<0.2	1.4						
IM5	Sunny	Moderate	10:35	7.1	Surface	1.0	0.2	306	21.1	21.1	8.0	8.0	30.2	30.2	100.2	100.4	7.5	7.5	3.6	3.6	4	4	83	83			<0.2	1.3						
						1.0	0.2	312	21.1	21.1	8.0	8.0	30.2	30.2	100.6	100.6	7.5	7.5	3.5	3.5	4	4	83	83			<0.2	1.2						
						3.6	0.2	324	21.7	21.7	8.0	8.0	30.8	30.8	99.3	99.4	7.3	7.3	5.7	5.7	5	5	88	88			<0.2	1.3						
					Middle	3.6	0.2	328	21.7	21.7	8.0	8.0	30.8	30.8	99.4	99.4	7.3	7.3	5.8	5.8	5	5	89	89			<0.2	1.2						
						6.1	0.1	16	21.7	21.7	8.0	8.0	30.7	30.7	99.6	99.7	7.3	7.3	5.1	5.1	5	5	91	91			<0.2	1.0						
						6.1	0.1	16	21.7	21.7	8.0	8.0	30.7	30.7	99.7	99.7	7.3	7.3	5.2	5.2	5	5	91	91			<0.2	1.2						
IM6	Sunny	Moderate	10:30	7.8	Surface	1.0	0.3	268	21.5	21.5	8.0	8.0	26.0	26.0	97.3	97.3	7.4	7.4	4.4	4.4	3	3	83	83			<0.2	0.6						
						1.0	0.4	281	21.5	21.5	8.0	8.0	26.0	26.0	97.3	97.3	7.4	7.4	4.4	4.4	2	2	84	84			<0.2	0.8						
						3.9	0.1																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 April 19 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	Value	DA	
IM9	Sunny	Moderate	10:57	7.3	Surface	1.0	0.3	200	22.1	22.1	8.4	8.4	25.7	25.7	96.4	96.4	7.3	7.3	4.9	4.9	2	2	86	86			<0.2	1.6					
						1.0	0.3	206	22.1	22.1	8.4	8.4	25.7	25.7	96.3	96.4	7.2	7.3	4.9	4.9	2	2	85	85			<0.2	1.4					
						3.7	0.3	188	22.1	22.1	8.4	8.4	25.8	25.8	96.4	96.4	7.3	7.3	4.5	4.1	3	3	89	88			<0.2	1.6					
					Middle	3.7	0.4	179	22.1	22.1	8.4	8.4	25.8	25.8	96.4	96.4	7.3	7.2	4.1	3.8	3	3	88	88			<0.2	1.7					
						6.3	0.3	170	22.1	22.1	8.4	8.4	26.0	26.0	95.9	95.9	7.2	7.2	3.8	3.8	3	3	90	90			<0.2	1.6					
						6.3	0.3	171	22.1	22.1	8.4	8.4	26.0	26.0	95.8	95.8	7.2	7.2	3.8	3.8	3	3	90	90			<0.2	1.6					
IM10	Sunny	Moderate	11:05	7.5	Surface	1.0	0.4	114	22.1	22.1	8.4	8.4	25.9	25.9	97.1	97.1	7.3	7.3	6.4	6.4	3	3	85	85			<0.2	1.4					
						1.0	0.5	123	22.1	22.1	8.4	8.4	25.9	25.9	97.1	97.1	7.3	7.3	6.4	6.4	3	3	84	84			<0.2	1.4					
						3.8	0.4	104	21.9	21.9	8.4	8.4	26.2	26.2	98.0	98.0	7.4	7.4	4.8	4.8	3	3	88	88			<0.2	1.5					
					Middle	3.8	0.4	104	21.9	21.9	8.4	8.4	26.3	26.3	98.0	98.0	7.4	7.4	4.8	4.8	4	4	89	89			<0.2	1.5					
						6.5	0.4	99	22.1	22.1	8.4	8.4	26.0	26.0	96.6	96.6	7.3	7.3	3.5	3.5	3	3	90	90			<0.2	1.5					
						6.5	0.4	104	22.1	22.1	8.4	8.4	26.0	26.0	96.7	96.7	7.3	7.3	3.6	3.6	3	3	90	90			<0.2	1.7					
IM11	Sunny	Moderate	11:16	7.4	Surface	1.0	0.5	111	22.4	22.4	8.4	8.4	26.1	26.1	98.4	98.4	7.3	7.3	3.1	3.1	3	3	85	85			<0.2	1.6					
						1.0	0.5	118	22.4	22.4	8.4	8.4	26.1	26.1	98.4	98.4	7.3	7.3	3.1	3.1	3	3	85	85			<0.2	1.4					
						3.7	0.4	129	22.2	22.2	8.4	8.4	26.6	26.6	97.2	97.3	7.3	7.3	6.9	6.6	4	3	88	88			<0.2	1.7					
					Middle	3.7	0.4	137	22.2	22.2	8.4	8.4	26.6	26.6	97.3	97.3	7.3	7.3	6.6	6.6	3	3	89	89			<0.2	1.6					
						6.4	0.3	150	22.2	22.2	8.4	8.4	27.3	27.3	97.2	97.3	7.2	7.2	4.3	4.6	4	4	90	90			<0.2	1.6					
						6.4	0.4	157	22.2	22.2	8.4	8.4	27.3	27.3	97.3	97.3	7.2	7.2	4.6	4.6	4	4	89	89			<0.2	1.6					
IM12	Sunny	Moderate	11:24	7.9	Surface	1.0	0.5	107	22.2	22.2	8.4	8.4	26.1	26.1	98.2	98.2	7.4	7.4	6.6	6.6	3	3	86	86			<0.2	1.3					
						1.0	0.5	110	22.2	22.2	8.4	8.4	26.1	26.1	98.1	98.1	7.3	7.3	6.6	6.6	3	3	85	85			<0.2	1.2					
						4.0	0.4	115	22.2	22.2	8.4	8.4	27.0	27.0	97.3	97.3	7.3	7.3	11.1	11.1	4	3	88	88			<0.2	1.9					
					Middle	4.0	0.4	115	22.2	22.2	8.4	8.4	27.0	27.0	97.2	97.3	7.2	7.2	11.1	11.1	3	3	89	89			<0.2	2.0					
						6.9	0.3	114	22.2	22.2	8.4	8.4	28.1	28.1	96.9	97.0	7.2	7.2	9.4	9.4	4	4	91	91			<0.2	1.6					
						6.9	0.3	118	22.2	22.2	8.4	8.4	28.1	28.1	97.0	97.0	7.2	7.2	9.4	9.4	5	5	89	89			<0.2	1.8					
SR1A	Sunny	Moderate	11:44	4.8	Surface	1.0	-	-	22.1	22.1	8.4	8.4	27.7	27.7	95.8	95.8	7.1	7.1	4.7	4.7	3	3	-	-			-	-					
						1.0	-	-	22.1	22.1	8.4	8.4	27.7	27.7	95.7	95.7	7.1	7.1	4.7	4.7	3	3	-	-	-	-			-	-			
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	-	-	22.1	22.2	8.4	8.4	28.0	28.0	95.8	95.9	7.1	7.1	3.1	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-
						3.8	-	-	22.2	22.2	8.4	8.4	27.9	27.9	96.0	96.0	7.1	7.1	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-
SR2	Sunny	Moderate	11:57	4.7	Surface	1.0	0.4	93	22.0	22.0	8.4	8.4	28.0	27.8	95.9	95.9	7.1	7.1	5.7	5.6	3	4	87	86			<0.2	0.7					
						1.0	0.4	94	22.0	22.0	8.4	8.4	28.0	27.7	95.8	95.8	7.1	7.1	5.6	5.6	4	4	86	86			<0.2	0.8					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.3	95	22.0	22.0	8.4	8.4	28.7	28.7	96.1	96.2	7.1	7.1	4.2	4.6	4	4	90	89			<0.2	0.6					
						3.7	0.3	95	22.0	22.0	8.4	8.4	28.7	28.7	96.3	96.2	7.1	7.1	4.6	4.6	4	4	89	89			<0.2	0.5					
SR3	Sunny	Moderate	10:45	8.7	Surface	1.0	0.2	244	22.1	22.1	8.4	8.4	25.6	25.6	94.6	94.6	7.1	7.1	5.0	4.7	4	3	-	-			-	-					
						1.0	0.2	261	22.1	22.1	8.4	8.4	25.6	25.6	94.5	94.5	7.1	7.1	4.7	4.7	3	3	-	-	-	-			-	-			
						4.4	0.2	179	22.1	22.2	8.4	8.4	26.5	26.5	93.6	93.6	7.0	7.0	8.9	8.9	4	3	-	-	-	-			-	-			
					Middle	4.4	0.2	189	22.2	22.2	8.4	8.4	26.5	26.5	93.5	93.6	7.0	7.0	8.9	8.9	3	3	-	-	-	-			-	-			
						7.7	0.2	66	22.2	22.2	8.4	8.4	25.5	25.5	94.2	94.2	7.1	7.1	3.6	3.6	6	6	-	-	-	-			-	-			
						7.7	0.2	66	22.2	22.2	8.4	8.4	25.5	25.5	94.2	94.2	7.1	7.1	3.6	3.6	6	6	-	-	-	-			-	-			
SR4A	Sunny	Moderate	11:38	7.6	Surface	1.0	0.3	67	21.8	21.8	8.0	8.0	30.5	30.5	98.7	98.7	7.3	7.3	8.9	8.9	4	5	-	-			-	-					
						1.0	0.3	73	21.8	21.8	8.0	8.0	30.5	30.5	98.6	98.6	7.3	7.3	8.9	8.9	5	5	-	-	-	-			-	-			
						3.8	0.4	62	21.9	22.0	8.0	8.0	30.4	30.4	98.7	98.7	7.2	7.2	4.9	5.0	6	5	-	-	-	-			-	-			
					Middle	3.8	0.4	66	22.0	22.0	8.0	8.0	30.3	30.4	98.7	98.7	7.2	7.2	5.0	5.0	5	5	-	-	-	-			-	-			
						6.6	0.3	66	22.0	22.0	8.0	8.0	30.6	30.5	98.5	98.4	7.2	7.2	3.5	3.5	6	6	-	-	-	-			-	-			
						6.6	0.3	70	22.0	22.0	8.0	8.0	30.5	30.5	98.3	98.3	7.2	7.2	3.5	3.5	6	6	-	-	-	-			-	-			
SR5A	Sunny	Moderate	11:52	3.8	Surface	1.0	0.2	91	22.1	22.2	8.0	8.0	29.3	29.3	98.8	98.9	7.3	7.3	2.3	2.4	4	5	-	-			-	-					
						1.0	0.2	98	22.2	22.2	8.0	8.0	29.3	29.3	99.0	99.0	7.3	7.3	2.4	2.4	5	5	-	-	-	-			-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.8	0.2	109	22.3																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 April 19 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	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	05:42	9.6	Surface	1.0	0.1	56	21.7	21.7	8.0	8.0	30.1	30.1	98.8	98.9	7.3	7.3	2.5	2.5	4	4	83	83			<0.2	0.6	0.8					
						1.0	0.1	59	21.7	8.0	8.0	30.1	30.1	98.9	99.0	7.3	7.3	2.6	2.6	3	3	83	83			<0.2	0.7							
					Middle	4.8	0.1	84	21.6	21.6	8.0	8.0	30.1	30.1	99.0	99.0	7.3	7.3	6.6	6.6	4	4	88	88			<0.2	1.0						
						4.8	0.1	87	21.6	8.0	8.0	30.1	30.1	99.0	99.0	7.3	7.3	6.6	6.6	4	4	88	88			<0.2	0.8							
					Bottom	8.6	0.2	81	21.6	21.6	8.0	8.0	30.1	30.1	98.8	98.8	7.3	7.3	9.3	9.3	4	4	91	91			<0.2	0.8						
						8.6	0.2	86	21.6	8.0	8.0	30.1	30.1	98.8	98.8	7.3	7.3	9.4	9.4	5	5	91	91			<0.2	0.8							
C2	Cloudy	Moderate	06:48	11.8	Surface	1.0	0.1	96	22.3	22.3	8.4	8.4	24.2	24.2	96.4	96.4	7.3	7.3	1.6	1.6	2	2	85	85			<0.2	0.9	1.8					
						1.0	0.1	96	22.3	8.4	8.4	24.2	24.2	96.4	96.4	7.3	7.3	1.6	1.6	<2	<2	85	85			<0.2	1.1							
					Middle	5.9	0.1	215	22.3	22.4	8.4	8.4	24.2	24.2	96.6	96.7	7.3	7.3	2.0	2.0	2	2	89	89			<0.2	2.1						
						5.9	0.1	236	22.4	8.4	8.4	24.2	24.2	96.8	96.8	7.3	7.3	2.1	2.1	3	3	88	88			<0.2	2.2							
					Bottom	10.8	0.1	217	23.0	23.0	8.4	8.4	25.8	25.8	99.3	99.3	7.4	7.4	3.1	3.1	3	3	90	90			<0.2	2.1						
						10.8	0.1	225	23.0	8.4	8.4	25.8	25.8	99.3	99.3	7.4	7.4	3.2	3.2	3	3	90	90			<0.2	2.1							
C3	Cloudy	Moderate	05:15	12.3	Surface	1.0	0.3	248	21.9	21.9	8.4	8.4	30.1	30.1	95.2	95.2	7.0	7.0	3.8	3.8	<2	<2	86	86			<0.2	0.8	0.8					
						1.0	0.4	252	21.9	8.4	8.4	30.1	30.1	95.1	95.1	7.0	7.0	4.0	4.0	<2	<2	87	87			<0.2	0.7							
					Middle	6.2	0.2	249	22.0	22.0	8.4	8.4	30.4	30.4	94.5	94.5	6.9	6.9	9.8	9.8	3	3	89	89			<0.2	0.8						
						6.2	0.2	270	22.0	8.4	8.4	30.4	30.4	94.5	94.5	6.8	6.8	9.8	9.8	3	3	88	88			<0.2	0.7							
					Bottom	11.3	0.2	254	22.0	22.0	8.4	8.4	30.7	30.7	95.2	95.2	7.0	7.0	1.6	1.6	3	3	90	90			<0.2	0.7						
						11.3	0.2	278	22.0	8.4	8.4	30.7	30.7	95.2	95.2	7.0	7.0	1.6	1.6	4	4	90	90			<0.2	0.8							
IM1	Fine	Moderate	05:52	5.2	Surface	1.0	0.0	115	21.6	21.6	8.0	8.0	30.4	30.4	98.5	98.5	7.3	7.3	2.6	2.6	3	3	83	83			<0.2	1.0	1.0					
						1.0	0.0	123	21.6	8.0	8.0	30.4	30.4	98.5	98.5	7.3	7.3	2.6	2.6	3	3	84	84			<0.2	1.0							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
					Bottom	4.2	0.1	90	21.7	21.7	8.0	8.0	30.4	30.4	98.7	98.7	7.3	7.3	2.6	2.6	4	4	91	91			<0.2	1.0						
						4.2	0.1	90	21.7	8.0	8.0	30.4	30.4	98.7	98.7	7.3	7.3	2.5	2.5	2	2	91	91			<0.2	0.9							
IM2	Fine	Moderate	05:57	8.6	Surface	1.0	0.2	341	21.7	21.7	8.0	8.0	30.7	30.7	99.3	99.3	7.3	7.3	2.5	2.5	3	3	83	83			<0.2	1.0	1.0					
						1.0	0.2	357	21.7	8.0	8.0	30.7	30.7	99.3	99.3	7.3	7.3	2.5	2.5	4	4	84	84			<0.2	1.0							
					Middle	4.3	0.2	22	21.7	21.7	8.0	8.0	30.7	30.7	99.3	99.3	7.3	7.3	2.6	2.6	6	6	88	88			<0.2	1.0						
						4.3	0.2	23	21.7	8.0	8.0	30.7	30.7	99.3	99.3	7.3	7.3	2.7	2.7	5	5	88	88			<0.2	1.0							
					Bottom	7.6	0.2	45	21.7	21.7	8.0	8.0	30.7	30.7	99.2	99.2	7.3	7.3	2.3	2.3	6	6	91	91			<0.2	1.0						
						7.6	0.2	45	21.7	8.0	8.0	30.7	30.7	99.2	99.2	7.3	7.3	2.3	2.3	6	6	91	91			<0.2	1.0							
IM3	Fine	Moderate	06:02	8.2	Surface	1.0	0.2	350	21.7	21.7	8.1	8.1	30.9	30.9	99.7	99.7	7.3	7.3	2.8	2.8	3	3	83	83			<0.2	1.0	1.0					
						1.0	0.2	322	21.7	8.1	8.1	30.9	30.9	99.7	99.7	7.3	7.3	2.7	2.7	3	3	83	83			<0.2	1.0							
					Middle	4.1	0.1	4	21.7	21.7	8.0	8.0	31.0	31.0	99.7	99.7	7.3	7.3	2.2	2.2	5	5	87	87			<0.2	1.0						
						4.1	0.1	4	21.7	8.0	8.0	31.0	31.0	99.7	99.7	7.3	7.3	2.3	2.3	6	6	87	87			<0.2	1.0							
					Bottom	7.2	0.2	17	21.7	21.7	8.0	8.0	30.9	30.9	99.9	99.9	7.3	7.3	5.7	5.7	6	6	91	91			<0.2	1.1						
						7.2	0.2	18	21.7	8.0	8.0	30.9	30.9	99.9	99.9	7.3	7.3	5.7	5.7	7	7	92	92			<0.2	1.0							
IM4	Fine	Moderate	06:09	8.4	Surface	1.0	0.2	324	21.8	21.8	8.1	8.1	31.1	31.1	99.2	99.2	7.3	7.3	10.4	10.4	3	3	83	83			<0.2	1.1	1.0					
						1.0	0.3	327	21.8	8.1	8.1	31.1	31.1	99.2	99.2	7.3	7.3	10.5	10.5	3	3	83	83			<0.2	0.9							
					Middle	4.2	0.2	338	21.8	21.8	8.0	8.0	31.2	31.2	99.2	99.2	7.3	7.3	7.1	7.1	3	3	88	88			<0.2	1.0						
						4.2	0.2	311	21.8	8.0	8.0	31.2	31.2	99.2	99.2	7.3	7.3	7.2	7.2	4	4	88	88			<0.2	1.0							
					Bottom	7.4	0.2	354	21.8	21.8	8.0	8.0	31.1	31.1	99.5	99.6	7.3	7.3	7.6	7.6	4	4	91	91			<0.2	1.0						
						7.4	0.2	326	21.8	8.0	8.0	31.1	31.1	99.6	99.6	7.3	7.3	7.7	7.7	4	4	92	92			<0.2	1.0							
IM5	Fine	Moderate	06:17	7.6	Surface	1.0	0.3	325	21.7	21.7	8.1	8.0	30.8	30.8	99.2	99.2	7.3	7.3	6.5	6.5	3	3	83	83			<0.2	1.0	0.9					
						1.0	0.3	343	21.7	8.0	8.0	30.8	30.8	99.2	99.2	7.3	7.3	6.4	6.4	3	3	87	87			<0.2	0.9							
					Middle	3.8	0.3	344	21.6	21.6	8.0	8.0	30.8	30.9	99.4	99.3	7.3	7.3	5.2	5.2	4	4	88	88			<0.2	0.8						
						3.8	0.3	348	21.5	8.0	8.0	30.9	30.9	99.2	99.3	7.3	7.3	5.3	5.3	4	4	91	91			<0.2	0.9							
					Bottom	6.6	0.2	1	21.7	21.8	8.0	8.0	30.9	30.8	98.4	98.4	7.2	7.2	6.4	6.4	4	4	91	91			<0.2	0.8						
						6.6	0.2	1	21.9	8.0	8.0	30.8	30.8	98.4	98.4	7.2	7.2	6.5	6.5	4	4	92	92			<0.2	0.8							
IM6	Fine	Moderate	06:24	7.9	Surface	1.0	0.2	293	21.5	21.5	8.0	8.0	25.8	25.8	97.4	97.5	7.4	7.4	2.1	2.1	<2	<2	83	83			<0.2	0.9	0.9					
						1.0	0.2	312	21.5	8.0	8.0	25.8	25.8	97.5	97.8	7.4	7.4	2.1	2.1	<2	<2	83	83			<0.2	0.9							
					Middle	4.0	0.1	327	21.5	21.5	8.0	8.0	25.8	25.8	97.8	97.8	7.4	7.4	4.0	4.0	<2	<2	88	88			<0.2	0.9						
						4.0	0.1	355	21.5	8.0	8.0	25.8	25.8	97.8	97.8	7.4	7.4	4.0	4.0	2	2	88	88			<0.2	0.9							
					Bottom	6.9	0.1	62	21.4	21.5	8.0	8.0	27.0	27.0	98.4	98.5	7.4	7.4	17.7	17.7	3													

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	12:13	8.6	Surface	1.0	0.2	230	22.9	22.9	8.2	8.2	28.5	28.5	95.5	95.5	7.0	7.0	3.6	4	6	84	87	815608	804246	<0.2	1.1	<0.2	1.1			
						1.0	0.2	237	22.9	22.9	8.2	8.2	28.5	28.5	95.4	95.4	7.0	7.0	3.7	5	5	85	87	815608	804246	<0.2	1.1					
						4.3	0.2	207	23.3	23.4	8.2	8.2	28.0	28.0	95.9	96.0	7.0	7.0	4.0	5	6	88	87	815608	804246	<0.2	1.1					
					4.3	0.2	222	23.4	23.4	8.2	8.2	27.9	27.9	96.0	96.0	7.0	7.0	4.0	6	7	87	87	815608	804246	<0.2	1.1						
					7.6	0.1	220	23.6	23.6	8.2	8.2	28.9	28.9	96.5	96.5	6.9	6.9	4.6	7	6	90	87	815608	804246	<0.2	1.2						
					7.6	0.1	231	23.6	23.6	8.2	8.2	28.9	28.9	96.5	96.5	6.9	6.9	4.6	7	6	89	87	815608	804246	<0.2	1.1						
C2	Cloudy	Moderate	11:14	11.4	Surface	1.0	0.2	105	22.9	22.9	8.2	8.2	23.5	23.5	95.7	95.8	7.2	7.2	4.4	6	6	84	88	825701	806934	<0.2	2.2	<0.2	2.1			
						1.0	0.2	110	22.9	22.9	8.2	8.2	23.5	23.5	95.8	95.8	7.2	7.2	4.6	7	6	84	88	825701	806934	<0.2	2.2					
						5.7	0.2	131	22.8	22.8	8.2	8.2	23.6	23.6	96.2	96.2	7.2	7.2	5.3	6	6	88	88	825701	806934	<0.2	2.1					
					5.7	0.2	142	22.8	22.8	8.2	8.2	23.6	23.6	96.2	96.2	7.2	7.2	5.2	6	6	88	88	825701	806934	<0.2	2.1						
					10.4	0.3	147	22.7	22.7	8.2	8.2	24.1	24.1	96.2	96.2	7.2	7.2	4.7	6	6	92	88	825701	806934	<0.2	2.1						
					10.4	0.3	147	22.7	22.7	8.2	8.2	24.1	24.1	96.2	96.2	7.2	7.2	4.7	6	6	92	88	825701	806934	<0.2	2.1						
C3	Cloudy	Moderate	13:02	11.0	Surface	1.0	0.5	63	22.7	22.7	8.2	8.2	28.5	28.5	98.1	98.1	7.2	7.2	2.4	6	6	85	89	822096	817793	<0.2	1.4	<0.2	1.2			
						1.0	0.6	67	22.7	22.7	8.2	8.2	28.5	28.5	98.0	98.0	7.2	7.2	2.5	6	6	85	89	822096	817793	<0.2	1.1					
						5.5	0.4	82	22.7	22.7	8.2	8.2	28.5	28.5	97.5	97.3	7.1	7.1	3.1	6	6	88	89	822096	817793	<0.2	1.1					
					5.5	0.4	82	22.7	22.7	8.2	8.2	28.5	28.5	97.1	97.3	7.1	7.1	3.1	6	6	88	89	822096	817793	<0.2	1.2						
					10.0	0.3	104	22.5	22.5	8.2	8.2	29.3	29.3	96.7	96.9	7.1	7.1	4.8	6	6	92	89	822096	817793	<0.2	1.2						
					10.0	0.4	109	22.5	22.5	8.2	8.2	29.3	29.3	97.0	96.9	7.1	7.1	4.8	7	6	93	89	822096	817793	<0.2	1.1						
IM1	Cloudy	Moderate	12:03	5.2	Surface	1.0	0.1	116	22.8	22.8	8.2	8.2	29.3	29.3	95.0	95.0	6.9	6.9	5.5	4	4	84	87	817964	807130	<0.2	1.2	<0.2	1.2			
					1.0	0.1	123	22.8	22.8	8.2	8.2	29.3	29.3	95.0	95.0	6.9	6.9	5.4	4	4	85	87	817964	807130	<0.2	1.1						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
IM2	Cloudy	Moderate	11:57	7.5	Surface	1.0	0.1	120	22.8	22.8	8.2	8.2	28.0	28.0	95.7	95.7	7.0	7.0	2.9	4	4	84	88	818168	806154	<0.2	1.5	<0.2	1.5			
					1.0	0.1	122	22.8	22.8	8.2	8.2	28.0	28.0	95.7	95.7	7.0	7.0	3.0	3	3	84	88	818168	806154	<0.2	1.5						
					3.8	0.0	170	22.7	22.7	8.2	8.2	28.2	28.2	95.0	95.0	7.0	7.0	6.3	4	4	89	88	818168	806154	<0.2	1.6						
IM3	Cloudy	Moderate	11:50	7.6	Surface	1.0	0.1	151	22.7	22.7	8.2	8.2	27.8	27.8	96.0	96.0	7.1	7.1	8.8	6	6	84	87	818778	805596	<0.2	1.4	<0.2	1.4			
						1.0	0.1	142	22.7	22.7	8.2	8.2	27.8	27.8	96.0	96.0	7.1	7.1	8.8	6	6	84	87	818778	805596	<0.2	1.5					
						3.8	0.0	157	22.7	22.7	8.2	8.2	27.8	27.8	95.9	95.9	7.1	7.1	12.4	5	5	87	89	818778	805596	<0.2	1.4					
					3.8	0.0	160	22.7	22.7	8.2	8.2	27.8	27.8	95.9	95.9	7.1	7.1	12.4	6	6	89	89	818778	805596	<0.2	1.4						
					6.6	0.1	180	22.7	22.7	8.2	8.2	28.2	28.2	95.8	95.8	7.0	7.0	4.0	4	4	90	87	818778	805596	<0.2	1.4						
					6.6	0.1	182	22.7	22.7	8.2	8.2	28.2	28.2	95.8	95.8	7.0	7.0	4.2	5	5	89	87	818778	805596	<0.2	1.5						
IM4	Cloudy	Moderate	11:40	7.4	Surface	1.0	0.2	111	22.7	22.7	8.2	8.2	28.2	28.2	95.8	95.8	7.0	7.0	5.2	5	5	84	87	819744	804617	<0.2	1.5	<0.2	1.5			
						1.0	0.2	116	22.7	22.7	8.2	8.2	28.2	28.2	95.8	95.8	7.0	7.0	5.1	5	5	85	87	819744	804617	<0.2	1.5					
						3.7	0.2	152	22.7	22.7	8.2	8.2	28.2	28.2	95.7	95.7	7.0	7.0	5.7	5	6	88	87	819744	804617	<0.2	1.5					
					3.7	0.2	144	22.7	22.7	8.2	8.2	28.2	28.2	95.7	95.7	7.0	7.0	5.7	5	6	87	87	819744	804617	<0.2	1.4						
					6.4	0.1	137	22.7	22.8	8.2	8.2	28.4	28.3	95.8	95.9	7.0	7.0	5.2	7	6	89	87	819744	804617	<0.2	1.5						
					6.4	0.1	138	22.8	22.8	8.2	8.2	28.3	28.3	95.9	95.9	7.0	7.0	5.2	6	6	90	87	819744	804617	<0.2	1.4						
IM5	Cloudy	Moderate	11:30	7.3	Surface	1.0	0.3	137	22.7	22.7	8.2	8.2	29.0	29.0	95.5	95.5	7.0	7.0	8.3	6	6	85	88	820733	804862	<0.2	1.7	<0.2	1.7			
						1.0	0.3	147	22.7	22.7	8.2	8.2	29.0	29.0	95.5	95.5	7.0	7.0	8.3	7	7	84	88	820733	804862	<0.2	1.6					
						3.7	0.3	159	22.7	22.7	8.2	8.2	29.1	29.1	95.2	95.2	7.0	7.0	4.7	6	6	88	88	820733	804862	<0.2	1.6					
					3.7	0.3	155	22.7	22.7	8.2	8.2	29.1	29.1	95.2	95.2	7.0	7.0	4.4	5	5	88	88	820733	804862	<0.2	1.7						
					6.3	0.2	121	22.7	22.7	8.2	8.2	29.2	29.2	95.4	95.5	7.0	7.0	4.9	7	6	90	88	820733	804862	<0.2	1.8						
					6.3	0.2	121	22.7	22.7	8.2	8.2	29.2	29.2	95.5	95.5	7.0	7.0	5.1	8	8	90	88	820733	804862	<0.2	1.7						
IM6	Cloudy	Moderate	11:23	7.5	Surface	1.0	0.2	203	22.6	22.6	8.2	8.2	25.7	25.7	94.2	94.2	7.0	7.0	8.7	8	8	84	88	821054	805836	<0.2	1.6	<0.2	1.7			
						1.0	0.2	200	22.6	22.6	8.2	8.2	25.7	25.7	94.1	94.1	7.0	7.0	8.7	9	9	84	88	821054	805836	<0.2	1.6					
						3.8	0.1	233	22.7	22.7	8.2	8.2	25.7	25.7	93.9	93.9	7.0	7.0	6.6	9	9	89	88	821054	805836	<0.2	1.7					
					3.8	0.1	235	22.7	22.7	8.2	8.2	25.7	25.7	93.9	93.9	7.0	7.0	6.6	9	9	88	88	821054	805836	<0.2	1.7						
					6.5	0.1	247	22.7	22.7	8.2	8.2	25.9	25.9	94.1	94.2	7.0	7.0	8.0	9	9	90	88	821054	805836	<0.2	1.7						
					6.5	0.1	248	22.7	22.7	8.2	8.2	25.9	25.9	94.2	94.2	7.0	7.0	8.0	9	9	90	88	821054	805836	<0.2	1.7						
IM7	Cloudy	Moderate	11:12	7.9	Surface	1.0	0.0	270	22.7	22.7	8.2	8.2	25.6	25.6	94.0	94.0	7.0	7.0	4.1	5	5	83	87	821369	806856	<0.2	1.7	<0.2	1.6			
						1.0	0.0	286	22.7	22.7	8.2	8.2	25.7	25.7	94.0	94.0	7.0	7.0	4.1	5	5	84	87	821369	806856	<0.2	1.6					
						4.0	0.3																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 April 19 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	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:48	7.5	Surface	1.0	0.4	101	22.7	22.7	8.2	8.2	25.4	25.4	96.6	96.6	7.2	7.2	4.1	4.1	6	6	85	85	89	822105	808790	<0.2	1.8	1.9	1.8			
						1.0	0.4	102	22.7	22.7	8.2	8.2	25.4	25.4	96.6	96.6	7.2	7.2	4.1	4.1	6	6	85	85	89	822105	808790	<0.2	1.8	1.9	1.8			
						3.8	0.4	103	22.7	22.7	8.2	8.2	25.2	25.2	96.7	96.7	7.2	7.2	3.2	3.2	5	5	88	88	89	822105	808790	<0.2	1.8	1.9	1.8			
					Middle	3.8	0.4	106	22.7	22.7	8.2	8.2	25.2	25.2	96.6	96.6	7.2	7.2	3.6	3.6	4	4	89	89	89	822105	808790	<0.2	1.8	1.9	1.8			
						6.5	0.4	56	22.7	22.7	8.2	8.2	26.4	26.4	96.4	96.5	7.2	7.2	5.3	5.3	6	6	92	92	92	822105	808790	<0.2	1.8	1.9	1.8			
						6.5	0.4	57	22.7	22.7	8.2	8.2	26.4	26.4	96.6	96.6	7.2	7.2	5.3	5.3	7	7	92	92	92	822105	808790	<0.2	1.8	1.9	1.8			
IM10	Cloudy	Moderate	11:56	7.3	Surface	1.0	0.4	101	22.7	22.7	8.2	8.2	27.5	27.5	97.3	97.4	7.2	7.2	7.7	7.7	6	6	85	85	89	822396	809778	<0.2	1.8	1.7	1.7			
						1.0	0.4	102	22.7	22.7	8.2	8.2	27.5	27.5	97.5	97.5	7.2	7.2	7.7	7.7	7	7	84	84	89	822396	809778	<0.2	1.8	1.7	1.7			
						3.7	0.5	96	22.8	22.8	8.2	8.2	25.6	25.6	97.9	97.9	7.3	7.3	4.1	4.1	9	9	89	89	89	822396	809778	<0.2	1.8	1.7	1.7			
					Middle	3.7	0.5	104	22.8	22.8	8.2	8.2	25.6	25.6	97.8	97.8	7.3	7.3	4.0	4.0	8	8	89	89	89	822396	809778	<0.2	1.8	1.7	1.7			
						6.3	0.3	93	22.8	22.9	8.2	8.2	25.5	25.5	97.2	97.2	7.2	7.2	4.2	4.2	8	8	93	93	93	822396	809778	<0.2	1.8	1.4	1.4			
						6.3	0.4	96	22.9	22.9	8.2	8.2	25.5	25.5	97.4	97.3	7.2	7.2	3.9	3.9	10	10	92	92	92	822396	809778	<0.2	1.8	1.4	1.3			
IM11	Cloudy	Moderate	12:05	8.9	Surface	1.0	0.4	112	22.8	22.8	8.2	8.2	26.7	26.7	97.4	97.3	7.2	7.2	5.3	5.3	6	6	85	85	89	822068	811437	<0.2	1.6	1.6	1.6			
						1.0	0.4	116	22.8	22.8	8.2	8.2	26.7	26.7	97.2	97.2	7.2	7.2	5.0	5.0	7	7	84	84	89	822068	811437	<0.2	1.6	1.6	1.6			
						4.5	0.2	127	22.8	22.8	8.2	8.2	26.2	26.2	97.1	97.2	7.2	7.2	3.6	3.6	4	4	88	88	89	822068	811437	<0.2	1.6	1.7	1.6			
					Middle	4.5	0.2	133	22.8	22.8	8.2	8.2	26.2	26.2	97.2	97.2	7.2	7.2	3.7	3.7	4	4	89	89	89	822068	811437	<0.2	1.6	1.7	1.6			
						7.9	0.0	115	22.8	22.8	8.2	8.2	26.6	26.6	97.4	97.4	7.2	7.2	3.6	3.6	5	5	93	93	93	822068	811437	<0.2	1.6	1.6	1.6			
						7.9	0.0	124	22.8	22.8	8.2	8.2	26.6	26.6	97.4	97.4	7.2	7.2	3.6	3.6	4	4	93	93	93	822068	811437	<0.2	1.6	1.6	1.6			
IM12	Cloudy	Moderate	12:14	8.7	Surface	1.0	0.5	109	23.0	23.0	8.2	8.2	27.8	27.8	98.6	98.5	7.2	7.2	3.3	3.3	4	4	84	84	88	821478	812058	<0.2	1.4	1.4	1.4			
						1.0	0.5	110	23.0	23.0	8.2	8.2	27.8	27.8	98.4	98.4	7.2	7.2	3.3	3.3	4	4	85	85	88	821478	812058	<0.2	1.4	1.4	1.4			
						4.4	0.4	117	22.8	22.8	8.2	8.2	27.5	27.5	97.8	97.9	7.2	7.2	4.3	4.3	4	4	87	87	88	821478	812058	<0.2	1.3	1.3	1.3			
					Middle	4.4	0.4	117	22.8	22.8	8.2	8.2	27.5	27.5	98.0	97.9	7.2	7.2	4.3	4.3	4	4	88	88	88	821478	812058	<0.2	1.3	1.3	1.3			
						7.7	0.3	128	22.9	22.9	8.2	8.2	27.4	27.4	98.4	98.5	7.2	7.2	3.4	3.4	3	3	92	92	92	821478	812058	<0.2	1.3	1.3	1.3			
						7.7	0.3	129	22.9	22.9	8.2	8.2	27.5	27.5	98.5	98.5	7.2	7.2	3.4	3.4	4	4	92	92	92	821478	812058	<0.2	1.3	1.5	1.5			
SR1A	Cloudy	Moderate	12:31	5.6	Surface	1.0	-	-	22.8	22.8	8.2	8.2	27.9	27.9	96.5	96.6	7.1	7.1	4.3	4.3	6	6	-	-	-	819973	812659	-	-	-	-			
						1.0	-	-	22.8	22.8	8.2	8.2	27.9	27.9	96.7	96.7	7.1	7.1	4.4	4.4	6	6	-	-	-	819973	812659	-	-	-	-			
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.6	-	-	22.9	22.9	8.2	8.2	27.9	27.9	97.5	97.6	7.1	7.1	3.9	3.9	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						4.6	-	-	22.9	22.9	8.2	8.2	27.9	27.9	97.6	97.6	7.1	7.1	4.0	4.0	8	8	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	12:42	4.8	Surface	1.0	0.6	95	22.8	22.8	8.3	8.3	27.6	27.6	98.1	98.2	7.2	7.2	3.7	3.7	4	4	84	84	86	821444	814184	<0.2	1.4	1.4	1.4			
						1.0	0.6	96	22.8	22.8	8.3	8.3	27.6	27.6	98.2	98.2	7.2	7.2	3.7	3.7	5	5	85	85	86	821444	814184	<0.2	1.4	1.4	1.4			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	0.3	133	22.9	22.9	8.3	8.2	27.6	27.6	98.6	98.6	7.2	7.2	3.5	3.5	6	6	88	88	88	821444	814184	<0.2	1.4	1.4	1.4			
						3.8	0.3	143	22.9	22.9	8.2	8.2	27.6	27.6	98.6	98.6	7.2	7.2	3.6	3.6	5	5	88	88	88	821444	814184	<0.2	1.4	1.4	1.4			
SR3	Cloudy	Moderate	11:34	9.4	Surface	1.0	0.1	185	22.8	22.8	8.2	8.2	24.9	24.9	96.0	96.0	7.2	7.2	4.4	4.4	4	4	-	-	-	822126	807556	-	-	-	-			
						1.0	0.2	199	22.7	22.7	8.2	8.2	24.9	24.9	96.0	96.0	7.2	7.2	4.4	4.4	5	5	-	-	-	822126	807556	-	-	-	-			
						4.7	0.2	165	22.7	22.7	8.2	8.2	25.3	25.3	96.0	96.1	7.2	7.2	3.5	3.5	4	4	-	-	-	822126	807556	-	-	-	-			
					Middle	4.7	0.2	175	22.7	22.7	8.2	8.2	25.3	25.3	96.0	96.1	7.2	7.2	3.5	3.5	4	4	-	-	-	822126	807556	-	-	-	-			
						8.4	0.2	83	22.8	22.8	8.2	8.2	25.3	25.3	96.0	96.1	7.2	7.2	4.1	4.1	7	7	-	-	-	822126	807556	-	-	-	-			
						8.4	0.2	85	22.8	22.8	8.2	8.2	25.3	25.3	96.1	96.1	7.2	7.2	4.1	4.1	7	7	-	-	-	822126	807556	-	-	-	-			
SR4A	Cloudy	Moderate	12:27	8.7	Surface	1.0	0.3	64	22.9	22.9	8.2	8.2	29.2	29.2	95.8	95.8	7.0	7.0	8.5	8.5	7	7	-	-	-	817185	807812	-	-	-	-			
						1.0	0.3	64	22.9	22.9	8.2	8.2	29.2	29.2	95.7	95.7	7.0	7.0	8.2	8.2	8	8	-	-	-	817185	807812	-	-	-	-			
						4.4	0.3	61	23.0	23.0	8.3	8.3	28.9	28.9	95.6	95.7	7.0	7.0	9.4	9.4	8	8	-	-	-	817185	807812	-	-	-	-			
					Middle	4.4	0.4	61	23.0	23.0	8.3	8.3	28.9	28.9	95.7	95.7	7.0	7.0	9.4	9.4	9	9	-	-	-	817185	807812	-	-	-	-			
						7.7	0.3	60	23.1	23.1	8.3	8.3	29.1	29.1	95																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	07:04	8.2	Surface	1.0	0.2	29	22.6	22.6	8.2	8.2	27.9	27.9	94.5	94.5	7.0	7.0	7.7	6	84	88	815620	804232	<0.2	1.5	1.5					
						1.0	0.3	29	22.6	8.2	8.2	27.9	27.9	94.5	94.5	7.0	7.0	7.7	5	84	88	<0.2	1.4									
						4.1	0.2	20	22.6	22.6	8.2	8.2	28.0	28.0	94.5	94.5	6.9	6.9	8.5	5	89	88	<0.2	1.7								
					4.1	0.2	21	22.6	8.2	8.2	28.0	28.0	94.5	94.5	6.9	6.9	9.1	6	90	88	<0.2	1.4										
					7.2	0.1	34	22.6	22.6	8.2	8.2	28.0	28.0	94.3	94.3	6.9	6.9	9.7	5	90	88	<0.2	1.5									
					7.2	0.1	36	22.6	8.2	8.2	28.0	28.0	94.3	94.3	6.9	6.9	9.2	5	90	88	<0.2	1.4										
C2	Cloudy	Moderate	08:13	11.2	Surface	1.0	0.3	78	22.6	22.6	8.2	8.2	23.3	23.3	95.8	95.9	7.2	3.1	6	88	92	825666	806952	<0.2	2.1	2.2						
						1.0	0.3	78	22.6	8.2	8.2	23.3	23.3	95.9	95.9	7.3	3.2	6	87	92	<0.2	2.0										
						5.6	0.3	57	22.6	22.6	8.2	8.2	23.5	23.5	96.3	96.3	7.3	3.0	7	91	90	<0.2	2.3									
					5.6	0.3	60	22.6	8.2	8.2	23.5	23.5	96.3	96.3	7.3	3.0	6	92	90	<0.2	2.1											
					10.2	0.2	336	22.6	22.6	8.2	8.2	25.3	25.3	97.3	97.5	7.3	15.0	10	96	95	<0.2	2.2										
					10.2	0.2	339	22.6	8.2	8.2	25.3	25.3	97.6	97.3	7.3	16.1	10	95	95	<0.2	2.2											
C3	Cloudy	Moderate	06:08	10.5	Surface	1.0	0.3	271	22.4	22.4	8.2	8.2	29.2	29.2	94.6	94.6	6.9	2.8	5	86	90	822107	817808	<0.2	1.4	1.4						
						1.0	0.4	249	22.4	22.4	8.2	8.2	29.2	29.2	94.3	94.3	6.9	2.6	5	86	90	<0.2	1.9									
						5.3	0.3	254	22.4	22.4	8.2	8.2	29.1	29.1	94.0	94.2	6.9	2.0	5	90	90	<0.2	1.4									
					5.3	0.3	248	22.4	22.4	8.2	8.2	30.1	30.1	93.2	93.2	6.8	2.3	6	90	90	<0.2	1.6										
					9.5	0.3	265	22.4	22.4	8.2	8.2	30.1	30.1	93.2	93.2	6.8	6.7	7	94	94	<0.2	1.0										
					9.5	0.3	265	22.4	22.4	8.2	8.2	30.1	30.1	93.2	93.2	6.8	6.9	6	94	94	<0.2	1.0										
IM1	Cloudy	Moderate	07:14	5.5	Surface	1.0	0.1	32	22.6	22.6	8.2	8.2	29.0	29.0	94.0	94.0	6.9	7.2	10	85	88	817938	807147	<0.2	1.4	1.4						
						1.0	0.1	34	22.6	8.2	8.2	29.0	29.0	94.0	94.0	6.9	7.3	10	86	88	<0.2	1.4										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-		
					4.5	0.2	44	22.6	22.6	8.2	8.2	28.9	28.9	93.8	93.8	6.9	10.1	10	90	88	<0.2	1.4										
					4.5	0.2	47	22.6	8.2	8.2	28.9	28.9	93.8	93.8	6.9	10.0	10	89	88	<0.2	1.5											
					4.5	0.2	47	22.6	8.2	8.2	28.9	28.9	93.8	93.8	6.9	10.0	10	89	88	<0.2	1.5											
IM2	Cloudy	Moderate	07:20	7.4	Surface	1.0	0.3	2	22.6	22.6	8.2	8.2	28.8	28.8	95.3	95.3	7.0	4.0	4	85	88	818147	806186	<0.2	1.6	1.5						
						1.0	0.3	2	22.6	8.2	8.2	28.8	28.8	95.3	95.3	7.0	4.0	4	85	88	<0.2	1.5										
						3.7	0.3	16	22.6	22.6	8.2	8.2	28.7	28.7	95.2	95.3	7.0	3.9	6	88	88	<0.2	1.5									
					3.7	0.3	16	22.6	22.6	8.2	8.2	28.7	28.7	95.2	95.3	7.0	3.9	5	89	88	<0.2	1.5										
					6.4	0.2	11	22.6	22.6	8.2	8.2	28.9	28.9	94.6	94.6	6.9	5.4	6	89	88	<0.2	1.5										
					6.4	0.2	11	22.6	22.6	8.2	8.2	28.9	28.9	94.6	94.6	6.9	5.4	5	89	88	<0.2	1.4										
IM3	Cloudy	Moderate	07:26	7.6	Surface	1.0	0.3	12	22.6	22.6	8.2	8.2	28.0	28.0	95.0	95.0	7.0	5.4	6	85	88	818796	805588	<0.2	1.3	1.4						
						1.0	0.3	12	22.6	8.2	8.2	28.0	28.0	95.0	95.0	7.0	5.5	6	86	88	<0.2	1.4										
						3.8	0.2	4	22.6	22.6	8.2	8.2	28.1	28.0	94.9	94.7	7.0	11.1	4	88	88	<0.2	1.4									
					3.8	0.2	4	22.6	22.6	8.2	8.2	28.1	28.0	94.9	94.7	7.0	11.5	4	89	88	<0.2	1.4										
					6.6	0.1	345	22.6	22.6	8.2	8.2	29.4	29.4	93.9	93.9	6.9	9.3	3	90	88	<0.2	1.4										
					6.6	0.1	317	22.6	22.6	8.2	8.2	29.4	29.4	93.9	93.9	6.9	9.3	3	89	88	<0.2	1.4										
IM4	Cloudy	Moderate	07:34	7.8	Surface	1.0	0.3	340	22.6	22.6	8.2	8.2	29.1	29.1	94.7	94.7	6.9	10.1	7	84	88	819704	804587	<0.2	1.3	1.4						
						1.0	0.3	351	22.6	22.6	8.2	8.2	29.1	29.1	94.7	94.7	6.9	10.5	7	85	88	<0.2	1.4									
						3.9	0.3	348	22.6	22.6	8.2	8.2	29.1	29.1	94.4	94.4	6.9	8.7	6	87	88	<0.2	1.3									
					3.9	0.3	359	22.6	22.6	8.2	8.2	29.1	29.1	94.4	94.4	6.9	8.5	7	89	88	<0.2	1.4										
					6.8	0.2	359	22.6	22.6	8.2	8.2	29.3	29.3	94.4	94.5	6.9	8.4	6	90	88	<0.2	1.4										
					6.8	0.2	330	22.6	22.6	8.2	8.2	29.3	29.3	94.5	94.5	6.9	8.5	6	90	88	<0.2	1.4										
IM5	Cloudy	Moderate	07:41	7.4	Surface	1.0	0.4	354	22.6	22.6	8.2	8.2	29.0	29.0	95.0	95.0	6.9	7.4	5	84	88	820756	804863	<0.2	1.4	1.4						
						1.0	0.4	326	22.6	22.6	8.2	8.2	29.0	29.0	95.0	95.0	6.9	7.4	4	84	88	<0.2	1.4									
						3.7	0.4	358	22.6	22.6	8.2	8.2	29.0	29.0	94.8	94.8	6.9	8.5	6	89	88	<0.2	1.4									
					3.7	0.5	329	22.6	22.6	8.2	8.2	29.0	29.0	94.7	94.8	6.9	8.5	6	90	88	<0.2	1.4										
					6.4	0.3	354	22.6	22.6	8.2	8.2	29.5	29.5	94.4	94.4	6.9	11.0	7	89	88	<0.2	1.3										
					6.4	0.3	326	22.6	22.6	8.2	8.2	29.5	29.5	94.4	94.4	6.9	11.0	6	90	88	<0.2	1.3										
IM6	Cloudy	Moderate	07:50	7.8	Surface	1.0	0.1	320	22.6	22.6	8.2	8.2	26.1	26.1	93.7	93.7	7.0	9.4	6	84	87	821059	805848	<0.2	1.3	1.3						
						1.0	0.1	346	22.6	22.6	8.2	8.2	26.1	26.1	93.7	93.7	7.0	9.4	7	83	87	<0.2	1.2									
						3.9	0.1	355	22.6	22.6	8.2	8.2	26.0	26.0	93.9	94.0	7.0	6.1	4	87	87	<0.2	1.3									
					3.9	0.1	327	22.6	22.6	8.2	8.2	26.0	26.0	94.0	94.0	7.0	6.6	4	87	87	<0.2	1.2										
					6.8	0.1	49	22.6	22.6	8.2	8.2	28.8	28.8	94.4	94.5	6.9	10.5	4	89	87	<0.2	1.3										
					6.8	0.1	50	22.6	22.6	8.2	8.2	28.7	28.8	94.5	94.5	6.9	10.6	4	90	87	<0.2	1.3										
IM7	Cloudy	Moderate	07:59	8.2	Surface	1.0	0.1	310	22.7	22.7	8.2	8.2	25.5	25.5	94.1	94.1	7.0	5.2	3	84	88	821364	806839	<0.2	1.4	1.5						
						1.0	0.1	322	22.7	22.7	8.2	8.2	25.6	25.6	94.0	94.0	7.0	5.5	3	85	88	<0.2	1.5									
						4.1	0.2	52	22.7	22.7	8.2	8.2	25.5	25.5	94.0	94.1	7.0	8.6	4	89	88	<0.2	1.5									
					4.1	0.2	53	22.7	22.7	8.2	8.2	25.6	25.6	94.1	94.1	7.0	8.6	4	88	88	<0.2	1.4										
					7.2	0.2	82	22.7	22.7	8.2	8.2	25.7	25.7	94.3	94.4	7.0	5.7	6	90	88	<0.2	1.5										
					7.2	0.3	86	22.7	22.7	8.2	8.2	25.7	25.7	94.5	94.4	7.0	5.8	5	90	88	<0.2	1.5										
IM8	Cloudy	Moderate	07:42	7.8	Surface	1.0	0.2	260	22.6	22.6	8.2	8.2	24.3	24.3	96.1	96.1	7.2	2.9	6	87	91	821823	808124									

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 April 19 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	Value	DA	Value	DA
C1	Sunny	Moderate	13:26	8.1	Surface	1.0	0.2	228	23.3	23.3	8.3	8.3	23.9	23.8	95.3	95.4	7.1	7.1	6.6	6.7	4	3	83	83	815619	804255	<0.2	1.4	<0.2	1.4				
						4.1	0.1	217	23.3	23.3	8.3	8.3	23.9	23.9	95.6	95.6	7.1	7.1	4.3	4.4	4	4	87	88	<0.2	1.5	<0.2	1.5						
						7.1	0.2	265	23.2	23.2	8.3	8.2	24.5	24.5	95.4	95.4	7.1	7.1	4.7	4.7	3	4	91	91	<0.2	1.4	<0.2	1.3						
					1.0	0.3	128	24.1	24.1	8.4	8.4	23.2	23.2	97.6	97.7	7.2	7.2	7.4	7.4	6	6	85	85	<0.2	2.0	<0.2	2.0							
					5.9	0.2	137	24.1	24.1	8.4	8.4	25.0	25.0	98.0	98.0	7.1	7.1	8.5	8.6	11	11	88	87	<0.2	2.0	<0.2	1.9							
					10.8	0.2	110	24.1	24.2	8.4	8.4	25.9	25.9	97.9	97.9	7.1	7.1	9.0	8.8	13	14	90	90	<0.2	2.0	<0.2	1.8							
C2	Fine	Moderate	12:05	11.8	Surface	1.0	0.6	94	24.1	24.1	8.4	8.4	26.4	26.4	99.4	99.4	7.2	7.2	9.3	9.8	3	4	86	86	822124	817797	<0.2	1.7	<0.2	1.7				
						6.1	0.6	106	23.9	23.9	8.4	8.4	27.0	27.0	98.9	99.0	7.1	7.1	2.3	2.2	3	3	88	87	<0.2	1.7	<0.2	1.8						
						11.1	0.4	79	23.9	23.9	8.4	8.4	27.6	27.6	99.3	99.3	7.2	7.2	1.8	1.8	3	3	90	89	<0.2	1.6	<0.2	1.7						
					1.0	0.0	250	23.6	23.6	8.2	8.2	22.9	22.9	94.9	94.9	7.1	7.1	7.4	7.4	4	3	83	83	<0.2	1.6	<0.2	1.6							
					3.1	0.2	233	23.6	23.6	8.2	8.2	22.9	22.9	94.8	94.8	7.1	7.1	8.4	8.4	4	3	87	88	<0.2	1.5	<0.2	1.5							
					1.0	0.2	259	23.5	23.5	8.2	8.2	21.5	21.5	94.7	94.7	7.1	7.1	3.5	3.5	3	4	84	85	<0.2	1.4	<0.2	1.3							
IM1	Sunny	Moderate	12:57	4.1	Surface	1.0	0.2	230	23.5	23.4	8.2	8.2	22.8	22.8	94.7	94.7	7.1	7.1	3.4	3.4	4	4	86	86	818152	806146	<0.2	1.5	<0.2	1.6				
						3.4	0.3	242	23.4	23.4	8.2	8.2	22.8	22.8	94.7	94.7	7.1	7.1	3.4	3.4	4	4	86	88	<0.2	1.6	<0.2	1.6						
						5.8	0.1	250	23.1	23.1	8.3	8.3	26.2	26.2	94.4	94.4	7.0	7.0	5.5	5.6	4	5	88	88	<0.2	1.6	<0.2	1.6						
					1.0	0.4	206	23.4	23.3	8.3	8.3	22.2	22.2	95.3	95.4	7.2	7.2	4.1	4.2	3	3	84	85	<0.2	1.1	<0.2	1.2							
					3.9	0.2	258	23.1	23.1	8.3	8.3	27.7	27.7	95.4	95.4	7.0	7.1	4.7	4.7	4	3	86	87	<0.2	1.7	<0.2	1.6							
					6.7	0.2	258	23.1	23.1	8.3	8.3	27.7	27.7	95.3	95.3	7.0	7.0	4.7	4.7	5	6	87	89	<0.2	1.8	<0.2	1.9							
IM2	Sunny	Moderate	12:50	6.8	Surface	1.0	0.4	206	23.4	23.3	8.3	8.3	22.2	22.2	95.3	95.4	7.2	7.2	4.1	4.2	3	3	84	85	818767	805570	<0.2	1.1	<0.2	1.2				
						3.9	0.2	258	23.1	23.1	8.3	8.3	27.7	27.7	95.4	95.4	7.0	7.1	4.7	4.7	4	3	86	87	<0.2	1.7	<0.2	1.6						
						6.7	0.2	258	23.1	23.1	8.3	8.3	27.7	27.7	95.3	95.3	7.0	7.0	4.7	4.7	5	6	87	89	<0.2	1.8	<0.2	1.9						
					1.0	0.2	145	23.3	23.3	8.2	8.2	24.1	24.1	94.7	94.7	7.0	7.0	3.9	4.0	4	4	84	83	<0.2	1.1	<0.2	1.2							
					3.7	0.2	237	23.1	23.1	8.3	8.3	25.5	25.5	94.3	94.4	7.0	7.0	4.2	4.2	5	5	85	86	<0.2	1.3	<0.2	1.4							
					6.4	0.2	232	23.0	23.0	8.3	8.3	28.2	28.2	94.8	94.8	6.9	6.9	5.9	6.0	6	5	87	88	<0.2	1.3	<0.2	1.2							
IM3	Sunny	Moderate	12:44	7.7	Surface	1.0	0.1	226	23.2	23.2	8.3	8.3	25.9	25.9	94.0	94.0	6.9	6.9	7.8	7.9	5	5	83	81	819711	804593	<0.2	1.2	<0.2	1.2				
						3.7	0.2	249	23.2	23.2	8.3	8.3	26.6	26.6	93.6	93.6	6.9	6.9	6.5	6.5	6	7	85	84	<0.2	1.3	<0.2	1.3						
						6.3	0.3	205	23.2	23.2	8.2	8.2	27.4	27.4	93.6	93.6	6.8	6.8	6.3	6.3	8	8	86	87	<0.2	1.4	<0.2	1.2						
					1.0	0.1	163	23.3	23.3	8.2	8.2	25.8	25.8	93.1	93.2	6.9	6.9	4.0	4.0	5	5	82	82	<0.2	1.5	<0.2	1.6							
					4.0	0.0	205	23.3	23.3	8.2	8.2	25.8	25.8	93.3	93.3	6.9	6.9	4.1	4.0	5	5	84	85	<0.2	1.5	<0.2	1.4							
					6.9	0.1	204	23.3	23.3	8.2	8.2	25.8	25.8	93.3	93.3	6.9	6.9	4.0	4.0	6	5	87	88	<0.2	1.4	<0.2	1.6							
IM4	Sunny	Moderate	12:17	7.9	Surface	1.0	0.1	180	23.4	23.4	8.2	8.2	25.7	25.7	93.1	93.1	6.8	6.8	4.9	4.9	5	5	84	82	821073	805826	<0.2	1.5	<0.2	1.4				
						3.6	0.1	237	23.4	23.4	8.2	8.2	25.8	25.8	93.2	93.2	6.8	6.8	4.6	4.6	6	5	86	85	<0.2	1.4	<0.2	1.4						
						6.1	0.2	215	23.3	23.3	8.2	8.2	25.8	25.8	93.2	93.2	6.9	6.9	8.6	8.7	5	5	87	84	<0.2	1.4	<0.2	1.5						
					1.0	0.5	191	23.5	23.5	8.4	8.4	22.6	22.6	97.1	97.0	7.3	7.3	6.7	6.7	4	4	85	86	<0.2	2.0	<0.2	2.0							
					3.8	0.5	197	23.4	23.4	8.4	8.4	24.1	24.1	96.6	96.7	7.2	7.2	5.7	5.6	4	3	89	89	<0.2	1.8	<0.2	1.9							
					6.6	0.4	184	23.4	23.4	8.4	8.4	24.7	24.7	97.0	97.0	7.2	7.2	4.4	4.4	6	6	90	90	<0.2	1.8	<0.2	1.8							
IM5	Fine	Moderate	12:30	7.6	Surface	1.0	0.5	194	23.4	23.4	8.4	8.4	24.1	24.1	96.6	96.7	7.2	7.2	5.7	5.6	4	3	89	89	821806	808140	<0.2	1.8	<0.2	1.9				
						3.8	0.5	197	23.4	23.4	8.4	8.4	24.1	24.1	96.6	96.7	7.2	7.2	5.7	5.6	4	3	89	89	<0.2	1.8	<0.2	1.9						
						6.6	0.4	184	23.4	23.4	8.4	8.4	24.7	24.7	97.0	97.0	7.2	7.2	4.4	4.4	6	6	90	90	<0.2	1.8	<0.2	1.8						
					1.0	0.1	163	23.3	23.3	8.2	8.2	25.8	25.8	93.1	93.2	6.9	6.9	4.0	4.0	5	5	82	82	<0.2	1.5	<0.2	1.6							
					4.0	0.0	205	23.3	23.3	8.2	8.2	25.8	25.8	93.3	93.3	6.9	6.9	4.1	4.0	5	5	84	85	<0.2	1.5	<0.2	1.4							
					6.9	0.1	204	23.3	23.3	8.2	8.2	25.8	25.8	93.3	93.3	6.9	6.9	4.0	4.0	6	5	87	88	<0.2	1.4	<0.2	1.6							
IM6	Sunny	Moderate	12:05	7.1	Surface	1.0	0.1	193	23.4	23.4	8.2	8.2	25.7	25.7	93.1	93.1	6.8	6.8	4.9	4.9	5	5	84	82	821327	806844	<0.2	1.5	<0.2	1.6				
						3.6	0.1	237	23.4	23.4	8.2	8.2	25.8	25.8	93.2	93.2	6.8	6.8	4.6	4.6	6	5	86	85	<0.2	1.4	<0.2	1.4						
						6.1	0.2	215	23.3	23.3	8.2	8.2	25.8	25.8	93.2	93.2	6.9	6.9	8.6	8.7	5	5	87	84	<0.2	1.4	<0.2	1.5						
					1.0	0.5	191	23.5	23.5	8.4	8.4	22.6	22.6	97.1	97.0	7.3	7.3	6.7	6.7	4	4	85	86	<0.2	2.0	<0.2	2.0							
					3.8	0.5	197	23.4	23.4	8.4	8.4	24.1	24.1	96.6	96.7	7.2	7.2	5.7	5.6	4	3	89	89	<0.2	1.8	<0.2	1.9							
					6.6	0.4	184	23.4	23.4	8.4	8.4	24.7	24.7	97.0	97.0	7.2	7.2	4.4	4.4	6	6	90	90	<0.2	1.8	<0.2	1.8							
IM7	Fine	Moderate	12:30	7.6	Surface	1.0	0.5	194	23.4	23.4	8.4	8.4	24.1	24.1	96.6	96.7	7.2	7.2	5.7	5.6	4	3	89	89	821806	808140	<0.2	1.8	<0.2	1.9				
						3.8	0.5	197	23.4	23.4	8.4	8																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 April 19 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	Value	DA	Value	DA	
IM9	Fine	Moderate	12:36	7.0	Surface	1.0	0.6	174	23.6	23.6	8.3	8.3	20.7	20.7	96.5	96.5	7.3	7.3	2.7	2.7	<2	<2	85	85	88	88	88	88	<0.2	<0.2	1.9	1.9			
						1.0	0.6	163	23.6	8.4	8.4	20.7	20.7	96.5	96.5	7.3	7.3	2.8	2.8	3	3	86	86	88	88	88	88	<0.2	<0.2	2.0	2.0				
						3.5	0.6	181	23.5	8.4	8.4	23.0	23.0	96.5	96.7	7.2	7.2	5.4	5.4	3	3	87	87	88	88	88	88	<0.2	<0.2	2.1	2.1				
					Middle	3.5	0.6	173	23.5	8.4	8.4	23.0	23.0	96.8	96.8	7.2	7.2	5.7	5.7	2	2	87	87	88	88	88	88	<0.2	<0.2	2.1	2.1				
						6.0	0.4	165	23.5	8.4	8.4	24.4	24.4	97.2	97.2	7.2	7.2	5.0	5.0	3	3	89	89	88	88	88	88	<0.2	<0.2	2.1	2.1				
						6.0	0.4	170	23.5	8.4	8.4	24.4	24.4	97.3	97.3	7.2	7.2	4.7	4.7	4	4	90	90	88	88	88	88	<0.2	<0.2	2.0	2.0				
IM10	Fine	Moderate	12:42	7.1	Surface	1.0	0.5	101	23.5	23.5	8.4	8.4	22.6	22.6	96.6	96.6	7.2	7.2	4.4	4.4	2	2	85	85	87	87	87	87	<0.2	<0.2	2.1	2.1			
						1.0	0.5	101	23.5	8.4	8.4	22.6	22.6	96.6	96.6	7.2	7.2	4.4	4.4	2	2	84	84	87	87	87	87	<0.2	<0.2	2.0	2.0				
						3.6	0.7	89	23.5	8.4	8.4	23.7	23.7	96.7	96.7	7.2	7.2	5.2	5.2	4	4	88	88	87	87	87	87	<0.2	<0.2	2.2	2.2				
					Middle	3.6	0.7	96	23.5	8.4	8.4	23.7	23.7	96.7	96.7	7.2	7.2	5.6	5.6	3	3	87	87	88	88	88	88	<0.2	<0.2	2.1	2.1				
						6.1	0.5	86	23.5	8.4	8.4	23.7	23.7	97.3	97.3	7.2	7.2	11.0	11.0	6	6	91	91	88	88	88	88	<0.2	<0.2	2.0	2.0				
						6.1	0.5	91	23.5	8.4	8.4	23.7	23.7	97.3	97.3	7.2	7.2	11.0	11.0	6	6	89	89	88	88	88	88	<0.2	<0.2	2.2	2.2				
IM11	Fine	Moderate	12:53	7.6	Surface	1.0	0.5	106	23.6	23.6	8.4	8.4	24.3	24.3	97.1	97.1	7.2	7.2	3.1	3.1	3	3	85	85	88	88	88	88	<0.2	<0.2	1.9	1.9			
						1.0	0.6	106	23.6	8.4	8.4	24.3	24.3	97.1	97.1	7.2	7.2	3.1	3.1	4	4	86	86	88	88	88	88	<0.2	<0.2	2.0	2.0				
						3.8	0.4	113	23.7	8.4	8.4	24.9	24.9	97.2	97.2	7.1	7.1	3.1	3.1	4	4	90	90	88	88	88	88	<0.2	<0.2	2.0	2.0				
					Middle	3.8	0.4	115	23.7	8.4	8.4	24.9	24.9	97.2	97.2	7.1	7.1	3.1	3.1	3	3	88	88	87	87	87	87	<0.2	<0.2	2.0	2.0				
						6.6	0.2	130	23.7	8.4	8.4	25.6	25.6	97.6	97.6	7.1	7.1	3.2	3.2	3	3	90	90	87	87	87	87	<0.2	<0.2	2.0	2.0				
						6.6	0.2	142	23.7	8.4	8.4	25.6	25.6	97.7	97.7	7.1	7.1	3.2	3.2	4	4	89	89	87	87	87	87	<0.2	<0.2	2.0	2.0				
IM12	Fine	Moderate	13:00	7.4	Surface	1.0	0.6	96	23.7	23.7	8.4	8.4	23.7	23.7	97.2	97.3	7.2	7.2	5.0	5.0	2	2	86	86	88	88	88	88	<0.2	<0.2	2.0	2.0			
						1.0	0.6	105	23.7	8.4	8.4	23.7	23.7	97.3	97.3	7.2	7.2	5.3	5.3	3	3	85	85	88	88	88	88	<0.2	<0.2	2.0	2.0				
						3.7	0.4	94	23.6	8.4	8.4	24.3	24.3	97.4	97.5	7.2	7.2	4.2	4.2	4	4	88	88	87	87	87	87	<0.2	<0.2	2.1	2.1				
					Middle	3.7	0.4	96	23.6	8.4	8.4	24.3	24.3	97.4	97.5	7.2	7.2	4.2	4.2	4	4	89	89	87	87	87	87	<0.2	<0.2	2.1	2.1				
						6.4	0.2	127	23.6	8.4	8.4	25.5	25.5	97.7	97.8	7.2	7.2	4.1	4.1	4	4	90	90	87	87	87	87	<0.2	<0.2	2.0	2.0				
						6.4	0.3	133	23.6	8.4	8.4	25.5	25.5	97.8	97.8	7.2	7.2	3.9	3.9	4	4	90	90	87	87	87	87	<0.2	<0.2	2.0	2.0				
SR1A	Fine	Moderate	13:09	4.6	Surface	1.0	-	-	23.7	23.7	8.4	8.4	23.7	23.7	97.4	97.4	7.2	7.2	9.8	9.8	3	3	-	-	-	-	-	-	-	-	-	-			
						1.0	-	-	23.7	23.7	8.4	8.4	23.7	23.7	97.4	97.4	7.2	7.2	9.6	9.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.6	-	-	23.6	23.6	8.4	8.4	25.8	25.8	97.7	97.8	7.2	7.2	4.7	4.7	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.6	-	-	23.6	23.6	8.4	8.4	25.8	25.8	97.8	97.8	7.2	7.2	4.7	4.7	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Moderate	13:09	4.3	Surface	1.0	0.5	99	23.7	23.7	8.4	8.4	25.7	25.7	97.5	97.6	7.1	7.1	4.2	4.2	4	4	85	85	87	87	87	87	<0.2	<0.2	1.6	1.6			
						1.0	0.5	105	23.7	8.4	8.4	25.7	25.7	97.6	97.6	7.1	7.1	4.3	4.3	4	4	86	86	87	87	87	87	<0.2	<0.2	1.7	1.7				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.3	0.2	122	23.7	8.4	8.4	23.7	23.7	97.5	97.5	7.2	7.2	10.2	10.2	4	4	88	88	87	87	87	87	<0.2	<0.2	1.7	1.7				
						3.3	0.2	133	23.7	8.4	8.4	23.7	23.7	97.5	97.5	7.2	7.2	10.0	10.0	4	4	89	89	87	87	87	87	<0.2	<0.2	1.7	1.7				
SR3	Fine	Moderate	12:24	8.3	Surface	1.0	0.2	118	23.7	23.7	8.3	8.3	22.0	22.0	95.3	95.2	7.1	7.1	3.4	3.4	3	3	-	-	-	-	-	-	-	-	-				
						1.0	0.2	125	23.6	8.3	8.3	22.0	22.0	95.1	95.1	7.1	7.1	3.8	3.8	3	3	-	-	-	-	-	-	-	-	-	-	-			
						4.2	0.3	114	23.3	8.3	8.3	24.7	24.7	94.2	94.2	7.0	7.0	7.0	7.0	7	7	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.2	0.3	117	23.3	8.3	8.3	24.7	24.7	94.2	94.2	7.0	7.0	7.0	7.0	7	7	-	-	-	-	-	-	-	-	-	-	-	-		
						7.3	0.2	96	23.4	8.4	8.4	24.8	24.8	95.3	95.4	7.0	7.0	5.5	5.5	7	7	-	-	-	-	-	-	-	-	-	-	-			
						7.3	0.3	99	23.4	8.4	8.4	24.8	24.8	95.4	95.4	7.0	7.0	5.5	5.5	8	8	-	-	-	-	-	-	-	-	-	-				
SR4A	Sunny	Moderate	13:50	6.9	Surface	1.0	0.4	66	23.5	23.5	8.2	8.2	22.1	22.1	94.9	94.9	7.1	7.1	8.5	8.5	3	3	-	-	-	-	-	-	-	-					
						1.0	0.4	69	23.5	8.2	8.2	22.1	22.1	94.9	94.9	7.1	7.1	8.4	8.4	4	4	-	-	-	-	-	-	-	-	-					
						3.5	0.4	60	23.6	8.2	8.2	22.2	22.2	94.8	94.8	7.1	7.1	4.8	4.8	4	4	-	-	-	-	-	-	-	-						
					Middle	3.5	0.4	65	23.6	8.2	8.2	22.2	22.2	94.8	94.8	7.1	7.1	4.9	4.9	4	4	-	-	-	-	-	-	-	-	-					
						5.9	0.4	66	23.6	8.2	8.2	22.4	22.4	94.8	94.8	7.1	7.1	5.0	5.0	5	5	-	-	-	-	-	-	-	-						
						5.9	0.4	70	23.6	8.2	8.2	22.4	22.4	94.8	94.8	7.1	7.1	5.0	5.0	4	4	-	-	-	-	-	-	-	-						
SR5A	Sunny</																																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 April 19 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	Value	DA	Value	DA
IM9	Fine	Moderate	07:42	7.2	Surface	1.0	0.2	50	23.2	23.2	8.3	8.3	22.0	22.0	93.8	93.8	7.1	7.1	4.5	4.5	3	3	86	86	88	822100	808801	<0.2	1.9	<0.2	1.9			
						1.0	0.3	50	23.2	23.2	8.3	8.3	22.0	22.0	93.8	93.8	7.1	7.1	4.6	4.6	3	3	85	85	85	822100	808801	<0.2	1.9	<0.2	1.9			
						3.6	0.3	67	23.2	23.2	8.3	8.3	23.2	23.2	94.2	94.3	7.0	7.0	4.1	4.1	5	5	87	87	89	822100	808801	<0.2	1.8	<0.2	1.9			
					Middle	3.6	0.3	70	23.2	23.2	8.3	8.3	23.2	23.2	94.3	94.3	7.1	7.1	4.4	4.4	6	6	89	89	90	822100	808801	<0.2	1.8	<0.2	1.8			
						6.2	0.3	64	23.2	23.2	8.3	8.3	24.6	24.6	94.2	94.3	7.0	7.0	7.8	7.8	10	10	90	90	89	822100	808801	<0.2	1.8	<0.2	2.0			
						6.2	0.3	66	23.2	23.2	8.3	8.3	24.6	24.6	94.3	94.3	7.0	7.0	8.0	8.0	9	9	89	89	89	822100	808801	<0.2	1.8	<0.2	2.0			
IM10	Fine	Moderate	07:35	7.6	Surface	1.0	0.3	1	23.1	23.1	8.3	8.3	20.7	20.7	94.0	94.0	7.1	7.1	5.2	5.2	5	5	85	85	88	822408	809796	<0.2	1.7	<0.2	1.8			
						1.0	0.3	1	23.1	23.1	8.3	8.3	20.7	20.7	94.0	94.0	7.1	7.1	5.6	5.6	4	4	86	86	88	822408	809796	<0.2	1.8	<0.2	1.8			
						3.8	0.4	327	23.1	23.1	8.3	8.3	23.5	23.5	95.0	95.1	7.1	7.1	6.2	6.2	5	5	88	88	87	822408	809796	<0.2	1.8	<0.2	1.8			
					Middle	3.8	0.5	327	23.1	23.1	8.3	8.3	23.5	23.5	95.1	95.1	7.1	7.1	6.4	6.4	5	5	87	87	90	822408	809796	<0.2	1.8	<0.2	1.8			
						6.6	0.4	303	23.2	23.2	8.3	8.3	25.4	25.4	95.5	95.5	7.1	7.1	7.0	7.0	11	11	90	90	89	822408	809796	<0.2	1.6	<0.2	1.8			
						6.6	0.4	308	23.2	23.2	8.3	8.3	25.5	25.5	95.5	95.5	7.1	7.1	7.0	7.0	10	10	89	89	89	822408	809796	<0.2	1.8	<0.2	1.8			
IM11	Fine	Moderate	07:24	7.4	Surface	1.0	0.3	293	23.2	23.2	8.4	8.4	26.2	26.2	95.2	95.2	7.0	7.0	7.6	7.6	5	5	86	86	88	822065	811474	<0.2	1.9	<0.2	2.0			
						1.0	0.4	298	23.2	23.2	8.4	8.4	26.2	26.2	95.2	95.2	7.0	7.0	8.8	8.8	4	4	85	85	88	822065	811474	<0.2	2.0	<0.2	2.0			
						3.7	0.3	285	23.2	23.2	8.4	8.4	26.3	26.3	95.8	95.9	7.0	7.0	7.3	7.3	6	6	88	88	87	822065	811474	<0.2	2.2	<0.2	2.0			
					Middle	3.7	0.3	296	23.2	23.2	8.4	8.4	26.3	26.3	95.8	95.9	7.1	7.1	7.6	7.6	6	6	87	87	91	822065	811474	<0.2	2.0	<0.2	2.2			
						6.4	0.2	256	23.1	23.1	8.4	8.4	26.6	26.6	95.1	95.1	7.0	7.0	5.9	5.9	6	6	91	91	90	822065	811474	<0.2	2.2	<0.2	2.0			
						6.4	0.2	277	23.1	23.1	8.4	8.4	26.6	26.6	95.1	95.1	7.0	7.0	5.9	5.9	6	6	90	90	89	822065	811474	<0.2	2.0	<0.2	2.0			
IM12	Fine	Moderate	07:19	8.2	Surface	1.0	0.6	270	23.3	23.3	8.4	8.4	26.1	26.1	95.7	95.7	7.0	7.0	6.6	6.6	4	4	85	85	84	821448	812025	<0.2	1.9	<0.2	1.8			
						1.0	0.6	280	23.3	23.3	8.4	8.4	26.1	26.1	95.6	95.7	7.0	7.0	6.8	6.8	5	5	84	84	87	821448	812025	<0.2	1.8	<0.2	1.8			
						4.1	0.5	267	23.4	23.4	8.4	8.4	25.7	25.7	95.3	95.3	7.0	7.0	6.6	6.6	8	8	87	87	89	821448	812025	<0.2	1.8	<0.2	1.8			
					Middle	4.1	0.6	271	23.4	23.4	8.4	8.4	25.7	25.7	95.3	95.3	7.0	7.0	6.9	6.9	8	8	89	89	90	821448	812025	<0.2	1.8	<0.2	1.9			
						7.2	0.3	251	23.4	23.5	8.4	8.4	26.2	26.2	96.0	96.2	7.0	7.0	7.6	7.6	12	12	90	90	89	821448	812025	<0.2	1.9	<0.2	1.8			
						7.2	0.3	253	23.5	23.5	8.4	8.4	26.2	26.2	96.3	96.2	7.0	7.0	7.6	7.6	11	11	89	89	89	821448	812025	<0.2	1.8	<0.2	1.8			
SR1A	Fine	Moderate	07:01	4.8	Surface	1.0	-	-	23.3	23.3	8.3	8.3	24.2	24.2	95.3	95.3	7.1	7.1	5.3	5.3	<2	<2	-	-	-	819977	812661	-	-	-	-			
						1.0	-	-	23.3	23.3	8.3	8.3	24.2	24.2	95.3	95.3	7.1	7.1	5.5	5.5	<2	<2	-	-	-	819977	812661	-	-	-	-			
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	-	-	23.3	23.3	8.4	8.4	25.7	25.7	95.7	95.8	7.1	7.1	5.9	5.9	4	4	-	-	-	-	-	819977	812661	-	-	-	-	-
						3.8	-	-	23.3	23.3	8.4	8.4	25.6	25.6	95.8	95.8	7.1	7.1	6.0	6.0	5	5	-	-	-	-	-	819977	812661	-	-	-	-	-
SR2	Fine	Moderate	06:48	4.4	Surface	1.0	0.7	312	23.2	23.2	8.4	8.4	25.6	25.6	95.8	95.8	7.1	7.1	4.0	4.0	2	2	87	86	88	821441	814144	<0.2	1.6	<0.2	1.6			
						1.0	0.8	319	23.2	23.2	8.4	8.4	25.6	25.6	95.8	95.8	7.1	7.1	4.0	4.0	2	2	86	86	89	821441	814144	<0.2	1.6	<0.2	1.7			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.4	0.4	298	23.2	23.2	8.4	8.4	25.7	25.7	95.9	95.9	7.1	7.1	3.1	3.1	4	4	89	89	90	821441	814144	<0.2	1.7	<0.2	1.7			
						3.4	0.4	324	23.2	23.2	8.4	8.4	25.7	25.7	95.9	95.9	7.1	7.1	3.1	3.1	4	4	90	90	89	821441	814144	<0.2	1.7	<0.2	1.7			
SR3	Fine	Moderate	07:55	8.1	Surface	1.0	0.3	87	23.2	23.2	8.4	8.4	21.7	21.7	95.1	95.1	7.2	7.2	9.2	9.2	5	5	-	-	-	822169	807591	-	-	-	-			
						1.0	0.3	94	23.2	23.2	8.4	8.4	21.7	21.7	95.1	95.1	7.2	7.2	9.5	9.5	5	5	-	-	-	822169	807591	-	-	-	-			
						4.1	0.6	91	23.2	23.2	8.4	8.4	23.1	23.1	95.0	95.0	7.1	7.1	6.3	6.3	7	7	-	-	-	822169	807591	-	-	-	-			
					Middle	4.1	0.6	93	23.2	23.2	8.4	8.4	23.1	23.1	95.0	95.0	7.1	7.1	6.4	6.4	7	7	-	-	-	822169	807591	-	-	-	-			
						7.1	0.5	70	23.2	23.2	8.4	8.4	23.5	23.5	95.2	95.3	7.1	7.1	6.6	6.6	8	8	-	-	-	822169	807591	-	-	-	-			
						7.1	0.6	71	23.2	23.2	8.4	8.4	23.5	23.5	95.4	95.3	7.1	7.1	6.2	6.2	8	8	-	-	-	822169	807591	-	-	-	-			
SR4A	Sunny	Moderate	06:34	9.6	Surface	1.0	0.0	34	23.2	23.2	8.2	8.2	25.6	25.6	92.4	92.4	6.8	6.8	7.0	7.0	9	9	-	-	-	817185	807812	-	-	-	-			
						1.0	0.0	36	23.2	23.2	8.2	8.2	25.6	25.6	92.4	92.4	6.8	6.8	6.7	6.7	10	10	-	-	-	817185	807812	-	-	-	-			
						4.8	0.0	54	23.1	23.1	8.2	8.2	25.3	25.2	92.1	92.2	6.8	6.8	7.8	7.8	9	9	-	-	-	817185	807812	-	-	-	-			
					Middle	4.8	0.0	54	23.1	23.1	8.2	8.2	25.2	25.2	92.2	92.2	6.8	6.8	7.8	7.8	9	9	-	-	-	817185	807812	-	-	-	-			
						8.6	0.1	51																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 April 19 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	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	15:00	8.3	Surface	1.0	0.1	208	25.5	25.5	8.4	8.4	23.7	23.7	107.1	107.2	7.7	7.7	3.1	3.6	4	4	85	86			<0.2	1.6					
						1.0	0.1	200	25.4	25.4	8.4	8.4	23.7	23.7	107.2	107.2	7.7	7.7	3.6	3.6	4	4	86	86			<0.2	1.6					
						4.2	0.1	178	24.4	24.4	8.4	8.4	24.3	24.3	105.1	105.1	7.7	7.7	6.8	6.8	4	4	88	88			<0.2	1.6					
					Middle	4.2	0.1	180	24.4	24.4	8.4	8.4	24.3	24.3	105.0	105.0	7.6	7.6	6.7	6.7	3	3	89	89			<0.2	1.5					
						7.3	0.1	175	24.8	24.8	8.4	8.4	24.9	24.9	104.1	104.1	7.5	7.5	2.7	2.7	4	4	90	90			<0.2	1.5					
						7.3	0.1	185	24.8	24.8	8.4	8.4	24.9	24.9	104.1	104.1	7.5	7.5	2.7	2.7	5	5	90	90			<0.2	1.6					
C2	Sunny	Moderate	13:41	14.3	Surface	1.0	0.3	122	24.1	24.1	8.1	8.1	22.9	22.9	91.3	91.1	6.7	6.7	8.4	8.5	3	3	90	90			<0.2	2.6					
						1.0	0.3	130	24.1	24.1	8.1	8.1	23.0	23.0	90.9	90.9	6.7	6.7	8.5	8.5	3	3	90	90			<0.2	2.5					
						7.2	0.3	123	24.0	24.0	8.1	8.1	24.0	24.0	89.7	89.9	6.6	6.6	9.8	9.8	4	4	93	93			<0.2	2.6					
					Middle	7.2	0.3	124	24.0	24.0	8.1	8.1	24.0	24.0	90.0	90.0	6.6	6.6	9.9	9.9	5	5	93	93			<0.2	2.5					
						13.3	0.1	121	24.0	24.0	8.1	8.1	24.6	24.6	90.8	90.8	6.6	6.6	11.3	11.3	4	4	95	95			<0.2	2.4					
						13.3	0.2	132	24.0	24.0	8.1	8.1	24.6	24.6	90.8	90.8	6.7	6.7	11.2	11.2	5	5	95	95			<0.2	2.4					
C3	Sunny	Moderate	15:24	14.1	Surface	1.0	0.4	68	24.3	24.3	8.2	8.2	26.9	26.9	97.0	97.0	7.0	7.0	7.5	7.5	3	3	89	90			<0.2	1.6					
						1.0	0.4	68	24.3	24.3	8.2	8.2	26.9	26.9	97.0	97.0	7.0	7.0	7.5	7.5	4	4	90	90			<0.2	1.6					
						7.1	0.1	168	23.3	23.3	8.3	8.3	30.2	30.2	92.2	92.3	6.6	6.6	7.4	7.4	4	4	92	94			<0.2	1.6					
					Middle	7.1	0.1	169	23.3	23.3	8.3	8.3	30.2	30.2	92.3	92.3	6.6	6.6	7.4	7.4	3	3	94	94			<0.2	1.6					
						13.1	0.1	51	23.2	23.2	8.1	8.1	30.6	30.6	92.0	92.1	6.6	6.6	7.5	7.5	3	3	95	95			<0.2	1.4					
						13.1	0.1	52	23.2	23.2	8.1	8.1	30.6	30.6	92.1	92.1	6.6	6.6	7.4	7.4	4	4	96	96			<0.2	1.4					
IM1	Cloudy	Moderate	14:48	5.4	Surface	1.0	0.3	258	24.6	24.6	8.4	8.4	23.3	23.2	104.5	104.5	7.6	7.6	2.5	2.6	4	4	85	86			<0.2	1.8					
						1.0	0.3	255	24.6	24.6	8.4	8.4	23.2	23.2	104.5	104.5	7.6	7.6	2.6	2.4	4	4	86	89			<0.2	1.8					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.4	0.1	250	24.6	24.6	8.4	8.4	23.7	23.7	104.6	104.6	7.6	7.6	2.4	2.4	3	3	90	89			<0.2	1.8					
						4.4	0.1	252	24.6	24.6	8.4	8.4	23.7	23.7	104.5	104.5	7.6	7.6	2.4	2.4	4	4	89	89			<0.2	1.7					
IM2	Cloudy	Moderate	14:42	7.3	Surface	1.0	0.4	235	24.6	24.6	8.4	8.4	22.3	22.3	103.3	103.4	7.6	7.6	2.9	2.9	4	3	85	85			<0.2	1.7					
						1.0	0.4	237	24.6	24.6	8.4	8.4	22.3	22.3	103.4	103.4	7.6	7.6	2.9	2.9	3	3	85	85			<0.2	1.8					
						3.7	0.2	201	24.5	24.5	8.4	8.4	22.4	22.4	103.5	103.5	7.6	7.6	2.6	2.6	4	4	88	90			<0.2	1.7					
					Middle	3.7	0.2	201	24.5	24.5	8.4	8.4	22.4	22.4	103.4	103.4	7.6	7.6	2.6	2.6	4	4	90	89			<0.2	1.7					
						6.3	0.1	247	24.4	24.4	8.4	8.4	24.1	24.1	103.1	103.1	7.5	7.5	2.6	2.6	4	4	89	90			<0.2	1.7					
						6.3	0.1	229	24.4	24.4	8.4	8.4	24.1	24.1	103.0	103.0	7.5	7.5	2.7	2.7	4	4	90	90			<0.2	1.7					
IM3	Cloudy	Moderate	14:36	7.7	Surface	1.0	0.5	237	24.8	24.8	8.4	8.4	22.1	22.1	103.5	103.5	7.6	7.6	3.7	3.8	4	3	85	85			<0.2	1.6					
						1.0	0.6	238	24.7	24.7	8.4	8.4	22.1	22.1	103.5	103.5	7.6	7.6	3.8	3.8	3	3	85	85			<0.2	1.6					
						3.9	0.3	229	24.5	24.5	8.4	8.4	22.3	22.3	102.9	103.0	7.6	7.6	3.3	3.4	4	4	90	89			<0.2	1.6					
					Middle	3.9	0.3	230	24.5	24.5	8.4	8.4	22.3	22.3	102.9	103.0	7.6	7.6	3.4	3.4	4	4	89	89			<0.2	1.5					
						6.7	0.1	246	24.3	24.3	8.4	8.4	25.7	25.7	102.4	102.4	7.4	7.4	3.7	3.7	3	3	90	90			<0.2	1.6					
						6.7	0.1	228	24.3	24.3	8.4	8.4	25.7	25.7	102.3	102.3	7.4	7.4	3.4	3.4	3	3	90	90			<0.2	1.6					
IM4	Cloudy	Moderate	14:27	7.5	Surface	1.0	0.5	213	24.7	24.7	8.4	8.4	22.5	22.5	103.1	103.1	7.5	7.5	5.5	5.5	5	4	85	84			<0.2	1.9					
						1.0	0.5	213	24.7	24.7	8.4	8.4	22.5	22.5	103.1	103.1	7.5	7.5	5.5	5.5	4	4	84	89			<0.2	1.8					
						3.8	0.4	168	24.7	24.7	8.4	8.4	22.3	22.3	103.0	103.0	7.5	7.5	5.6	5.5	4	5	89	88			<0.2	1.9					
					Middle	3.8	0.4	155	24.7	24.7	8.4	8.4	22.3	22.3	102.9	102.9	7.5	7.5	5.5	5.5	5	5	88	90			<0.2	1.7					
						6.5	0.4	207	24.7	24.7	8.4	8.4	23.6	23.6	102.8	102.8	7.5	7.5	4.2	4.1	6	5	90	90			<0.2	1.9					
						6.5	0.4	223	24.7	24.7	8.4	8.4	23.6	23.6	102.7	102.7	7.5	7.5	4.1	4.1	5	5	90	90			<0.2	1.8					
IM5	Cloudy	Moderate	14:16	7.4	Surface	1.0	0.6	227	24.7	24.7	8.4	8.4	23.5	23.5	103.8	103.8	7.6	7.6	5.1	5.2	8	7	84	85			<0.2	1.8					
						1.0	0.6	241	24.7	24.7	8.4	8.4	23.5	23.5	103.8	103.8	7.6	7.6	5.2	5.2	7	7	85	88			<0.2	1.8					
						3.7	0.5	215	24.7	24.7	8.4	8.4	23.6	23.6	103.8	103.8	7.5	7.5	3.5	3.5	5	6	88	90			<0.2	1.8					
					Middle	3.7	0.5	226	24.7	24.7	8.4	8.4	23.6	23.6	103.8	103.8	7.5	7.5	3.5	3.5	6	6	88	90			<0.2	1.8					
						6.4	0.4	204	24.8	24.8	8.4	8.4	23.7	23.7	103.7	103.7	7.5	7.5	3.3	3.1	5	5	90	90			<0.2	1.7					
						6.4	0.4	218	24.8	24.8	8.4	8.4	23.7	23.7	103.6	103.6	7.5	7.5	3.1	3.1	5	5	90	90			<0.2	1.8					
IM6	Cloudy	Moderate	14:08	7.6	Surface	1.0	0.1	271	24.5	24.5	8.4	8.4	24.0	24.0	102.5	102.5	7.5	7.5	6.3	6.3	6	7	84	85			<0.2	1.7					
						1.0	0.1	281	24.5	24.5	8.4	8.4	24.0	24.0	102.5	102.5	7.5	7.5	6.3	6.3	7	7	85	89			<0.2	1.8					
						3.8	0.1	210	24.6	24.6	8.4	8.4	23.9	23.9	102.7	102.8	7.5	7.5	7.1	7.1	5	6	89	88			<0.2	1.7					
					Middle	3.8	0.1	217	24.6	24.6	8.4	8.4	23.9	23.9	102.8	102.8	7.5	7.5	7.4	7.4	6	6	88	90			<0.2	1.7					
						6.6	0.2	242																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 April 19 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	Value	DA	Value	DA
C1	Cloudy	Moderate	09:46	8.8	Surface	1.0	0.5	54	24.1	24.1	8.4	8.4	25.1	25.1	101.6	101.7	7.4	7.4	4.1	4.1	6	6	85	85			<0.2	1.7	1.7					
						1.0	0.5	55	24.1	24.1	8.4	8.4	25.1	25.1	101.7	101.7	7.4	7.4	4.1	4.1	6	6	85	85			<0.2	1.7	1.7					
						4.4	0.4	58	24.1	24.1	8.4	8.4	25.2	25.2	101.6	101.6	7.4	7.4	6.5	6.5	7	7	89	89			<0.2	1.6	1.6					
					4.4	0.5	63	24.1	24.1	8.4	8.4	25.2	25.2	101.6	101.6	7.4	7.4	6.5	6.5	6	6	88	88			<0.2	1.4	1.4						
					7.8	0.3	55	24.2	24.2	8.4	8.4	25.5	25.5	100.5	100.5	7.3	7.3	4.0	4.0	7	7	90	90			<0.2	1.5	1.5						
					7.8	0.3	57	24.2	24.2	8.4	8.4	25.5	25.5	100.4	100.4	7.3	7.3	4.1	4.1	7	7	90	90			<0.2	1.4	1.4						
C2	Cloudy	Moderate	10:28	12.8	Surface	1.0	0.4	343	24.2	24.2	8.1	8.1	22.6	22.5	91.6	91.6	6.8	6.8	7.9	7.9	6	6	89	89			<0.2	2.5	2.5					
						1.0	0.4	352	24.2	24.2	8.1	8.1	22.4	22.4	91.6	91.6	6.8	6.8	8.0	8.0	7	7	90	90			<0.2	2.5	2.5					
						6.4	0.4	355	24.0	24.0	7.8	7.8	24.2	24.2	88.8	88.8	6.5	6.5	11.4	11.4	7	7	93	93			<0.2	2.5	2.5					
					6.4	0.5	327	24.0	24.0	7.8	7.8	24.2	24.2	88.8	88.8	6.5	6.5	11.5	11.5	7	7	94	94			<0.2	2.6	2.6						
					11.8	0.3	353	23.9	23.9	7.9	7.9	25.5	25.5	89.7	89.7	6.5	6.5	14.2	14.2	6	6	95	95			<0.2	2.4	2.4						
					11.8	0.3	325	23.9	23.9	7.9	7.9	25.5	25.5	89.7	89.7	6.5	6.5	14.2	14.2	7	7	96	96			<0.2	2.3	2.3						
C3	Cloudy	Moderate	08:46	12.0	Surface	1.0	0.7	257	24.0	24.0	8.1	8.1	25.5	25.5	90.9	90.9	6.6	6.6	8.4	8.4	7	7	89	89			<0.2	1.8	1.8					
						1.0	0.7	279	24.0	24.0	8.1	8.1	25.5	25.5	90.9	90.9	6.6	6.6	8.5	8.5	6	6	89	89			<0.2	1.8	1.8					
						6.0	0.6	255	23.8	23.7	8.1	8.1	26.7	26.7	88.7	88.7	6.4	6.4	10.3	10.3	5	5	92	92			<0.2	1.9	1.9					
					6.0	0.7	278	23.7	23.7	8.1	8.1	26.7	26.7	88.7	88.7	6.4	6.4	10.4	10.4	6	6	93	93			<0.2	1.8	1.8						
					11.0	0.6	272	23.4	23.4	7.9	7.9	29.3	29.3	87.9	87.9	6.3	6.3	13.6	13.6	5	5	95	95			<0.2	2.1	2.1						
					11.0	0.6	273	23.4	23.4	7.9	7.9	29.3	29.3	88.0	88.0	6.3	6.3	13.8	13.8	4	4	95	95			<0.2	1.9	1.9						
IM1	Cloudy	Moderate	09:57	5.6	Surface	1.0	0.8	33	24.3	24.3	8.4	8.4	25.2	25.2	101.5	101.5	7.4	7.4	2.8	2.8	3	3	85	85			<0.2	1.6	1.6					
						1.0	0.9	33	24.3	24.3	8.4	8.4	25.2	25.2	101.5	101.5	7.4	7.4	2.9	2.9	4	4	85	85			<0.2	1.6	1.6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.6	0.4	8	24.4	24.4	8.4	8.4	25.3	25.3	101.6	101.6	7.4	7.4	2.1	2.1	5	5	89	89					<0.2	1.6	1.6			
						4.6	0.4	8	24.4	24.4	8.4	8.4	25.3	25.3	101.6	101.6	7.4	7.4	2.0	2.0	4	4	88	88					<0.2	1.6	1.6			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Cloudy	Moderate	10:03	7.2	Surface	1.0	0.2	6	24.4	24.4	8.4	8.4	25.4	25.4	102.8	102.8	7.4	7.4	5.5	5.5	5	5	86	86			<0.2	1.7	1.7					
						1.0	0.2	6	24.3	24.4	8.4	8.4	25.4	25.4	102.8	102.8	7.4	7.4	5.8	5.8	5	5	85	85			<0.2	1.6	1.6					
						3.6	0.1	27	24.2	24.2	8.4	8.4	25.2	25.2	102.4	102.4	7.4	7.4	6.2	6.2	3	3	87	87			<0.2	1.7	1.7					
					3.6	0.1	29	24.2	24.2	8.4	8.4	25.2	25.2	102.3	102.3	7.4	7.4	6.0	6.0	3	3	88	88			<0.2	1.6	1.6						
					6.2	0.1	300	24.3	24.3	8.4	8.4	24.8	24.8	102.5	102.5	7.4	7.4	3.2	3.2	4	4	90	90			<0.2	1.7	1.7						
					6.2	0.1	322	24.3	24.3	8.4	8.4	24.8	24.8	102.4	102.4	7.4	7.4	3.1	3.1	3	3	90	90			<0.2	1.6	1.6						
IM3	Cloudy	Moderate	10:08	7.6	Surface	1.0	0.5	351	24.1	24.1	8.4	8.4	24.7	24.7	102.0	101.9	7.4	7.4	3.9	3.9	5	5	85	85			<0.2	1.7	1.7					
						1.0	0.5	323	24.1	24.1	8.4	8.4	24.7	24.7	101.8	101.8	7.4	7.4	3.9	3.9	4	4	83	83			<0.2	1.7	1.7					
						3.8	0.4	9	24.5	24.5	8.4	8.4	24.8	24.8	101.9	101.9	7.4	7.4	4.1	4.1	4	4	88	88			<0.2	1.7	1.7					
					3.8	0.5	9	24.5	24.5	8.4	8.4	24.8	24.8	101.9	101.9	7.4	7.4	4.1	4.1	4	4	90	90			<0.2	1.7	1.7						
					6.6	0.2	354	24.6	24.6	8.4	8.4	25.2	25.2	101.6	101.6	7.3	7.3	6.6	6.6	4	4	90	90			<0.2	1.8	1.8						
					6.6	0.2	326	24.6	24.6	8.4	8.4	25.2	25.2	101.5	101.5	7.3	7.3	6.6	6.6	4	4	89	89			<0.2	1.7	1.7						
IM4	Cloudy	Moderate	10:15	7.4	Surface	1.0	0.4	34	24.3	24.3	8.4	8.4	24.8	24.8	102.4	102.4	7.4	7.4	5.5	5.5	2	2	85	85			<0.2	1.7	1.7					
						1.0	0.4	36	24.3	24.3	8.4	8.4	24.8	24.8	102.4	102.4	7.4	7.4	5.5	5.5	3	3	86	86			<0.2	1.9	1.9					
						3.7	0.4	22	24.4	24.4	8.4	8.4	24.9	24.9	102.4	102.4	7.4	7.4	4.4	4.4	3	3	88	88			<0.2	1.8	1.8					
					3.7	0.4	23	24.4	24.4	8.4	8.4	24.9	24.9	102.4	102.4	7.4	7.4	4.6	4.6	3	3	89	89			<0.2	1.7	1.7						
					6.4	0.3	17	24.4	24.4	8.4	8.4	25.7	25.7	102.4	102.4	7.4	7.4	3.1	3.1	4	4	90	90			<0.2	1.6	1.6						
					6.4	0.3	18	24.4	24.4	8.4	8.4	25.7	25.7	102.3	102.3	7.4	7.4	3.0	3.0	5	5	90	90			<0.2	1.6	1.6						
IM5	Cloudy	Moderate	10:23	7.6	Surface	1.0	0.6	10	24.7	24.7	8.4	8.4	22.9	22.9	103.5	103.5	7.6	7.6	7.1	7.1	3	3	84	84			<0.2	1.6	1.6					
						1.0	0.7	10	24.7	24.7	8.4	8.4	22.9	22.9	103.5	103.5	7.6	7.6	7.0	7.0	4	4	85	85			<0.2	1.6	1.6					
						3.8	0.5	348	24.7	24.7	8.4	8.4	23.2	23.2	103.4	103.4	7.5	7.5	3.8	3.8	4	4	90	90			<0.2	1.6	1.6					
					3.8	0.6	320	24.7	24.7	8.4	8.4	23.2	23.2	103.4	103.4	7.5	7.5	3.9	3.9	4	4	89	89			<0.2	1.6	1.6						
					6.6	0.4	345	24.7	24.7	8.4	8.4	24.4	24.4	103.1	103.1	7.5	7.5	3.3	3.3	4	4	89	89			<0.2	1.6	1.6						
					6.6	0.4	347	24.7	24.7	8.4	8.4	24.4	24.4	103.0	103.0	7.5	7.5	3.4	3.4	4	4	90	90			<0.2	1.6	1.6						
IM6	Cloudy	Moderate	10:29	7.4	Surface	1.0	0.5	52	24.7	24.7	8.4	8.4																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 April 19 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	Value	DA			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	15:55	7.9	Surface	1.0	0.3	159	25.4	25.4	8.4	8.4	20.5	20.5	105.1	105.0	7.7	7.7	4.2	2	2	89	90	93	93	822085	808831	<0.2	2.4	2.4	2.4				
						4.0	0.3	195	25.3	25.3	8.4	8.4	21.4	21.4	104.6	104.6	7.6	7.6	8.2	3	3	93	93	93	93					2.3	2.3				
						4.0	0.3	201	25.3	25.3	8.4	8.4	21.4	21.4	104.5	104.5	7.6	7.6	8.2	3	3	93	93	93	93					2.3	2.3				
					6.9	0.3	188	25.1	25.1	8.4	8.4	22.1	22.1	103.7	103.7	7.6	7.6	3.1	3	3	95	95	95	95	2.4					2.4					
					6.9	0.4	189	25.1	25.1	8.4	8.4	22.1	22.1	103.7	103.7	7.5	7.5	2.8	4	4	95	95	95	95	2.3					2.3					
					1.0	0.4	153	25.1	25.1	8.4	8.4	21.0	21.0	104.6	104.5	7.7	7.7	4.7	4	4	89	90	93	93	2.3					2.3					
IM10	Cloudy	Moderate	16:02	8.2	Surface	1.0	0.4	153	25.1	25.1	8.4	8.4	21.0	21.0	104.3	104.5	7.6	7.6	4.9	5	5	90	94	94	94	822379	809801	<0.2	2.3	2.2	2.2				
						4.1	0.3	169	25.0	25.0	8.4	8.4	21.8	21.8	103.6	103.5	7.5	7.5	5.7	4	4	94	94	94	94					2.2	2.2				
						4.1	0.3	157	25.0	25.0	8.4	8.4	21.8	21.8	103.3	103.3	7.6	7.6	5.4	4	4	94	94	94	94					2.2	2.2				
					7.2	0.2	150	25.4	25.4	8.4	8.4	21.8	21.8	102.6	102.5	7.5	7.5	1.2	4	4	96	96	96	96	2.2					2.2					
					7.2	0.2	151	25.4	25.4	8.4	8.4	21.8	21.8	102.4	102.5	7.4	7.4	1.2	4	4	96	96	96	96	2.2					2.2					
					1.0	0.1	170	24.9	24.9	8.4	8.4	23.9	23.9	104.4	104.3	7.6	7.6	3.5	2	2	90	90	93	93	2.4					2.4					
IM11	Cloudy	Moderate	16:14	7.1	Surface	1.0	0.1	165	24.9	24.9	8.4	8.4	23.9	23.9	104.2	104.3	7.5	7.5	3.3	2	2	90	93	93	93	822052	811459	<0.2	2.3	2.3	2.3				
						3.6	0.1	143	24.8	24.8	8.4	8.4	24.5	24.5	104.2	104.3	7.5	7.5	1.4	2	2	93	93	93	93					2.4	2.4				
						3.6	0.1	149	24.8	24.8	8.4	8.4	24.5	24.5	104.4	104.3	7.5	7.5	1.5	2	2	93	93	93	93					2.5	2.5				
					6.1	0.1	105	26.3	26.3	8.4	8.4	21.1	21.1	107.5	107.4	7.7	7.7	1.1	3	3	96	96	96	96	2.1					2.1					
					6.1	0.1	113	26.3	26.3	8.4	8.4	21.1	21.1	107.2	107.4	7.7	7.7	1.0	3	3	96	96	96	96	2.2					2.2					
					1.0	0.1	127	24.5	24.5	8.4	8.4	24.8	24.8	100.5	100.4	7.3	7.3	4.8	2	2	89	89	92	92	2.2					2.2					
IM12	Cloudy	Moderate	16:22	9.5	Surface	1.0	0.1	131	24.5	24.5	8.4	8.4	24.8	24.8	100.3	100.4	7.3	7.3	4.8	2	2	89	92	92	92	821455	812064	<0.2	2.3	2.3	2.3				
						4.8	0.1	123	24.5	24.6	8.4	8.4	25.3	25.3	99.7	99.9	7.2	7.2	3.8	3	3	92	93	93	93					2.3	2.3				
						4.8	0.1	128	24.6	24.6	8.4	8.4	25.3	25.3	100.0	100.0	7.2	7.2	4.1	3	3	93	93	93	93					2.4	2.4				
					8.5	0.2	151	24.7	24.7	8.4	8.4	25.3	25.3	101.3	101.4	7.3	7.3	1.4	3	3	95	95	95	95	2.4					2.4					
					8.5	0.2	162	24.7	24.7	8.4	8.4	25.3	25.3	101.4	101.4	7.3	7.3	1.4	4	4	95	95	95	95	2.3					2.3					
					1.0	-	-	25.0	25.0	8.4	8.4	22.5	22.5	104.9	105.0	7.6	7.6	1.2	2	2	-	-	-	-	-					-	-	-	-	-	-
SR1A	Cloudy	Calm	16:43	4.6	Surface	1.0	-	-	25.0	25.0	8.4	8.4	22.5	22.5	105.0	105.0	7.6	7.6	1.1	3	3	-	-	-	-	819974	812661	-	-	-	-				
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-
					3.6	-	-	25.0	25.0	8.4	8.4	22.7	22.7	105.0	105.1	7.6	7.6	0.8	3	3	-	-	-	-	-					-	-	-	-	-	
					3.6	-	-	25.0	25.0	8.4	8.4	22.7	22.7	105.1	105.1	7.6	7.6	0.8	4	4	-	-	-	-	-					-	-	-	-	-	-
					1.0	0.3	159	25.0	25.1	8.4	8.4	22.5	22.5	105.0	105.0	7.6	7.6	1.0	3	3	88	88	91	91	91					91	821465	814178	<0.2	2.4	2.3
1.0	0.3	140	25.1	25.1	8.4	8.4	22.5	22.5	105.0	105.0	7.6	7.6	1.0	3	3	-	-	-	-	-	-	-	-	-	-										
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
4.4	0.1	139	25.0	25.0	8.4	8.4	22.6	22.6	105.0	105.0	7.6	7.6	1.7	4	4	93	93	93	93	93	93	93	93	93	93	93	93	2.5	2.4						
4.4	0.2	141	25.0	25.0	8.4	8.4	22.6	22.6	105.0	105.0	7.6	7.6	1.8	4	4	93	93	93	93	93	93	93	93	93	93	93	2.4	2.4							
1.0	0.1	174	25.5	25.5	8.4	8.4	21.0	21.0	103.7	103.8	7.5	7.5	1.5	3	3	-	-	-	-	-	-	-	-	-	-	-	-								
SR3	Cloudy	Moderate	15:44	8.7	Surface	1.0	0.1	181	25.5	25.5	8.4	8.4	21.0	21.0	103.8	104.3	7.5	7.5	1.5	3	3	-	-	-	-	822156	807569	-	-	-	-				
						4.4	0.2	171	26.3	26.3	8.4	8.4	19.6	19.6	104.4	104.3	7.6	7.6	1.6	3	3	-	-	-	-					-	-	-	-		
						4.4	0.3	172	26.2	26.2	8.4	8.4	19.6	19.6	104.1	104.3	7.5	7.5	1.5	3	3	-	-	-	-					-	-	-	-	-	
					7.7	0.3	178	24.9	24.9	8.4	8.4	22.2	22.2	103.1	103.1	7.5	7.5	2.4	3	3	-	-	-	-	-					-	-	-	-		
					7.7	0.3	178	24.9	24.9	8.4	8.4	22.2	22.2	103.1	103.1	7.5	7.5	2.3	4	4	-	-	-	-	-					-	-	-	-	-	
					1.0	0.5	59	24.5	24.5	8.1	8.1	25.1	25.1	105.1	105.0	7.8	7.8	5.2	3	3	-	-	-	-	-					-	-	-	-	-	
SR4A	Fine	Calm	16:24	9.3	Surface	1.0	0.5	59	24.5	24.5	8.1	8.1	25.1	25.1	104.9	104.9	7.6	7.6	5.8	3	3	-	-	-	-	817185	807825	-	-	-	-				
						4.7	0.5	68	24.5	24.5	8.1	8.1	25.3	25.3	104.7	104.6	7.6	7.6	5.0	3	3	-	-	-	-					-	-	-			
						4.7	0.5	73	24.5	24.5	8.1	8.1	25.3	25.3	104.5	104.5	7.5	7.5	5.4	4	4	-	-	-	-					-	-	-	-		
					8.3	0.5	63	27.1	27.1	8.1	8.1	24.5	24.4	105.1	105.1	7.3	7.3	8.9	4	4	-	-	-	-	-					-	-	-			
					8.3	0.5	67	27.1	27.1	8.1	8.1	24.4	24.4	105.0	105.0	7.3	7.3	9.7	4	4	-	-	-	-	-					-	-	-	-		
					1.0	0.3	116	24.8	24.8	8.0	8.0	24.5	24.5	103.4	103.4	7.5	7.5	5.6	3	3	-	-	-	-	-					-	-	-	-		
SR5A	Fine	Calm	16:39	4.2	Surface	1.0	0.3	118	24.8	24.8	8.0	8.0	24.5	24.5	103.3	103.3	7.5	7.5	6.2	4	4	-	-	-	-	816579	810675	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-		
					3.2	0.3	111	26.2	26.2	8.0	8.0	24.7	24.7	102.6	102.5	7.2	7.2	7.6	4	4	-	-	-	-	-					-	-	-			
					3.2	0.3	113	26.2	26.2	8.0	8.0	24.7	24.7	102.4	102.5	7.2	7.2	8.7	4	4	-	-	-												

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 April 19 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	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value
C1	Fine	Moderate	09:42	8.6	Surface	1.0	0.1	339	24.7	24.7	8.0	8.0	24.0	24.0	104.6	104.6	7.6	7.6	4.6	4.6	2	2	87	87	90	90	815617	804226	<0.2	2.8	<0.2	2.8			
						1.0	0.1	4	24.7	8.0	8.0	24.0	24.0	104.5	104.5	7.6	7.6	4.6	4.6	2	2	86	86	90	90	815617	804226	<0.2	2.7	<0.2	2.7				
					Middle	4.3	0.1	17	24.7	8.0	8.0	24.0	24.0	104.2	104.2	7.6	7.6	8.4	8.4	3	3	89	89	90	90	815617	804226	<0.2	2.7	<0.2	2.7				
						4.3	0.1	17	24.7	8.0	8.0	24.0	24.0	104.1	104.1	7.6	7.6	8.8	8.8	3	3	89	89	90	90	815617	804226	<0.2	2.7	<0.2	2.7				
					Bottom	7.6	0.1	20	24.4	24.4	8.0	8.0	24.8	24.8	101.4	101.3	7.4	7.4	11.9	11.9	4	4	93	93	90	90	815617	804226	<0.2	2.8	<0.2	2.8			
						7.6	0.1	20	24.4	24.4	8.0	8.0	24.8	24.8	101.1	101.1	7.3	7.3	12.6	12.6	4	4	93	93	90	90	815617	804226	<0.2	2.8	<0.2	2.8			
C2	Cloudy	Moderate	10:55	12.3	Surface	1.0	0.3	9	25.5	25.5	8.4	8.4	19.7	19.7	103.3	103.2	7.6	7.6	1.2	1.2	2	2	89	89	93	93	825676	806961	<0.2	3.0	<0.2	3.0			
						1.0	0.3	9	25.4	8.4	8.4	19.7	19.7	103.0	103.0	7.5	7.5	1.3	1.3	3	3	89	89	93	93	825676	806961	<0.2	3.0	<0.2	3.0				
					Middle	6.2	0.4	347	25.1	25.1	8.4	8.4	21.0	21.0	101.8	101.8	7.6	7.6	5.8	5.8	2	2	93	93	90	90	825676	806961	<0.2	2.3	<0.2	2.3			
						6.2	0.4	352	25.1	25.1	8.4	8.4	21.0	21.0	101.8	101.8	7.5	7.5	6.2	6.2	3	3	94	94	90	90	825676	806961	<0.2	2.4	<0.2	2.4			
					Bottom	11.3	0.3	332	24.9	24.9	8.4	8.4	22.4	22.4	101.2	101.2	7.4	7.4	4.7	4.7	3	3	96	96	90	90	825676	806961	<0.2	2.3	<0.2	2.3			
						11.3	0.3	340	24.9	24.9	8.4	8.4	22.4	22.4	101.2	101.2	7.4	7.4	4.7	4.7	4	4	95	95	90	90	825676	806961	<0.2	2.4	<0.2	2.4			
C3	Cloudy	Moderate	09:09	13.7	Surface	1.0	0.4	270	24.7	24.7	8.4	8.4	22.6	22.6	101.5	101.5	7.4	7.4	1.1	1.1	2	2	89	89	92	92	822097	817805	<0.2	2.5	<0.2	2.5			
						1.0	0.4	286	24.7	8.4	8.4	22.6	22.6	101.5	101.5	7.4	7.4	1.2	1.2	2	2	89	89	92	92	822097	817805	<0.2	2.7	<0.2	2.7				
					Middle	6.9	0.5	260	24.5	24.5	8.4	8.3	23.2	23.2	100.5	100.5	7.3	7.3	3.9	3.9	3	3	92	92	90	90	822097	817805	<0.2	2.8	<0.2	2.8			
						6.9	0.5	278	24.5	24.5	8.3	8.3	23.2	23.2	100.4	100.4	7.3	7.3	4.0	4.0	3	3	93	93	90	90	822097	817805	<0.2	2.9	<0.2	2.9			
					Bottom	12.7	0.4	287	24.6	24.6	8.3	8.3	24.2	24.2	100.2	100.3	7.3	7.3	11.3	11.3	4	4	95	95	90	90	822097	817805	<0.2	1.9	<0.2	1.9			
						12.7	0.5	292	24.6	24.6	8.3	8.3	24.2	24.2	100.4	100.4	7.3	7.3	11.7	11.7	3	3	96	96	90	90	822097	817805	<0.2	1.9	<0.2	1.9			
IM1	Fine	Moderate	09:51	5.3	Surface	1.0	0.3	2	24.8	24.8	8.0	8.0	23.8	23.8	105.2	105.2	7.6	7.6	4.8	4.8	2	2	85	85	87	87	817969	807149	<0.2	2.4	<0.2	2.4			
						1.0	0.3	2	24.8	8.0	8.0	23.8	23.8	105.1	105.1	7.6	7.6	4.8	4.8	2	2	85	85	87	87	817969	807149	<0.2	2.4	<0.2	2.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.3	338	24.9	24.9	8.0	8.0	23.8	23.8	103.2	103.1	7.5	7.5	5.7	5.7	2	2	89	89	90	90	817969	807149	<0.2	2.5	<0.2	2.5			
						4.3	0.3	311	24.9	24.9	8.0	8.0	23.8	23.8	103.0	103.1	7.5	7.5	5.7	5.7	2	2	88	88	90	90	817969	807149	<0.2	2.4	<0.2	2.4			
IM2	Fine	Moderate	09:57	7.7	Surface	1.0	0.3	354	24.5	24.5	8.0	8.0	23.8	23.8	105.0	105.0	7.7	7.7	4.9	4.9	2	2	85	85	88	88	818159	806181	<0.2	1.9	<0.2	1.9			
						1.0	0.3	356	24.5	24.5	8.0	8.0	23.8	23.8	105.0	105.0	7.7	7.7	4.9	4.9	2	2	85	85	88	88	818159	806181	<0.2	1.8	<0.2	1.8			
					Middle	3.9	0.2	1	24.5	24.5	8.0	8.0	23.9	23.9	103.8	103.8	7.6	7.6	5.1	5.1	3	3	88	88	90	90	818159	806181	<0.2	1.9	<0.2	1.9			
						3.9	0.2	1	24.5	24.5	8.0	8.0	23.9	23.9	103.7	103.8	7.5	7.5	5.1	5.1	3	3	88	88	90	90	818159	806181	<0.2	1.9	<0.2	1.9			
					Bottom	6.7	0.3	15	24.7	24.7	8.0	8.0	24.0	24.0	102.4	102.3	7.4	7.4	4.7	4.7	4	4	90	90	90	90	818159	806181	<0.2	2.1	<0.2	2.1			
						6.7	0.3	15	24.7	24.7	8.0	8.0	24.0	24.0	102.1	102.3	7.4	7.4	4.7	4.7	3	3	91	91	90	90	818159	806181	<0.2	2.0	<0.2	2.0			
IM3	Fine	Moderate	10:03	7.5	Surface	1.0	0.1	32	24.9	24.9	8.0	8.0	23.5	23.5	105.7	105.7	7.7	7.7	4.5	4.5	<2	<2	85	85	87	87	818807	805580	<0.2	1.9	<0.2	1.9			
						1.0	0.1	33	24.8	24.8	8.0	8.0	23.5	23.5	105.6	105.7	7.7	7.7	4.5	4.5	<2	<2	85	85	87	87	818807	805580	<0.2	1.9	<0.2	1.9			
					Middle	3.8	0.2	40	24.8	24.8	8.0	8.0	23.5	23.5	105.1	105.1	7.6	7.6	4.9	4.9	<2	<2	87	87	90	90	818807	805580	<0.2	2.0	<0.2	2.0			
						3.8	0.2	43	24.8	24.8	8.0	8.0	23.5	23.5	105.0	105.1	7.6	7.6	4.8	4.8	<2	<2	86	86	90	90	818807	805580	<0.2	2.0	<0.2	2.0			
					Bottom	6.5	0.1	353	24.7	24.7	8.0	8.0	23.6	23.6	103.0	102.9	7.5	7.5	4.7	4.7	2	2	90	90	90	90	818807	805580	<0.2	1.9	<0.2	1.9			
						6.5	0.1	353	24.7	24.7	8.0	8.0	23.6	23.6	102.8	102.9	7.5	7.5	4.7	4.7	2	2	90	90	90	90	818807	805580	<0.2	1.7	<0.2	1.7			
IM4	Fine	Moderate	10:11	8.0	Surface	1.0	0.5	6	24.7	24.7	8.0	8.0	22.6	22.6	103.8	103.8	7.6	7.6	4.8	4.8	<2	<2	85	85	87	87	819713	804609	<0.2	1.7	<0.2	1.7			
						1.0	0.5	6	24.7	8.0	8.0	22.6	22.6	103.8	103.8	7.6	7.6	4.6	4.6	<2	<2	85	85	87	87	819713	804609	<0.2	1.7	<0.2	1.7				
					Middle	4.0	0.5	16	24.6	24.6	8.0	8.0	22.7	22.7	103.7	103.7	7.6	7.6	5.0	5.0	<2	<2	86	86	90	90	819713	804609	<0.2	1.7	<0.2	1.7			
						4.0	0.5	16	24.6	24.6	8.0	8.0	22.7	22.7	103.6	103.7	7.6	7.6	5.0	5.0	<2	<2	87	87	90	90	819713	804609	<0.2	1.7	<0.2	1.7			
					Bottom	7.0	0.4	17	24.5	24.5	8.0	8.0	23.5	23.5	101.7	101.7	7.4	7.4	11.7	11.7	2	2	90	90	90	90	819713	804609	<0.2	1.6	<0.2	1.6			
						7.0	0.4	17	24.5	24.5	8.0	8.0	23.5	23.5	101.6	101.7	7.4	7.4	11.6	11.6	2	2	89	89	90	90	819713	804609	<0.2	1.7	<0.2	1.7			
IM5	Fine	Moderate	10:18	7.1	Surface	1.0	0.6	358	25.0	25.0	8.0	8.0	22.0	22.0	103.1	103.1	7.5	7.5	5.3	5.3</															

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 April 19 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	Value	DA	Value	DA
IM9	Cloudy	Moderate	10:26	7.6	Surface	1.0	0.0	348	25.1	25.1	8.4	8.4	20.3	20.3	103.6	103.5	7.6	7.6	5.6	5.6	<2	<2	89	90	93	93	822117	808791	<0.2	<0.2	1.9	1.8		
						1.0	0.0	351	25.1	25.1	8.4	8.4	20.3	20.3	103.4	102.8	7.6	7.5	5.6	5.6	<2	<2	90	93	93	93	93	93	<0.2	<0.2	3.3	3.5		
						3.8	0.0	254	25.3	25.3	8.4	8.4	20.7	20.7	102.9	102.7	7.5	7.5	3.0	2.7	2	2	3	3	95	96	<0.2	<0.2	2.0	1.9				
					Middle	3.8	0.0	263	25.3	25.3	8.4	8.4	20.7	20.7	102.7	102.7	7.5	7.5	2.7	2.7	3	3	3	3	95	96	<0.2	<0.2	2.0	1.9				
						6.6	0.1	199	25.1	25.1	8.4	8.4	21.3	21.3	103.4	103.4	7.6	7.6	6.6	6.6	3	3	3	3	95	96	<0.2	<0.2	2.0	1.9				
						6.6	0.1	210	25.0	25.0	8.4	8.4	21.3	21.3	103.3	103.3	7.6	7.6	6.7	6.7	3	3	3	3	95	96	<0.2	<0.2	2.0	1.9				
IM10	Cloudy	Moderate	10:17	7.8	Surface	1.0	0.5	313	25.3	25.3	8.4	8.4	21.8	21.8	103.0	102.9	7.5	7.5	1.9	1.9	<2	<2	90	90	91	92	822371	809796	<0.2	<0.2	2.2	2.1		
						1.0	0.6	344	25.2	25.2	8.4	8.4	21.8	21.8	102.7	101.7	7.5	7.4	2.0	1.9	2	2	2	2	91	93	<0.2	<0.2	2.0	2.2				
						3.9	0.5	306	25.0	25.0	8.4	8.4	22.0	22.0	101.6	101.7	7.4	7.4	10.1	9.7	2	2	2	2	93	94	<0.2	<0.2	2.2	1.8				
					Middle	3.9	0.5	328	25.0	25.0	8.4	8.4	22.0	22.0	101.7	101.7	7.4	7.4	9.7	9.7	2	2	2	2	93	94	<0.2	<0.2	2.2	1.8				
						6.8	0.3	291	24.7	24.7	8.4	8.4	22.7	22.7	101.1	101.0	7.4	7.4	1.8	1.8	3	3	3	3	94	95	<0.2	<0.2	1.8	1.8				
						6.8	0.4	305	24.7	24.7	8.4	8.4	22.7	22.7	100.9	100.9	7.3	7.3	1.8	1.8	3	3	3	3	95	95	<0.2	<0.2	1.8	1.8				
IM11	Cloudy	Moderate	10:06	8.6	Surface	1.0	0.6	292	24.9	24.9	8.4	8.4	21.3	21.3	102.1	102.0	7.5	7.5	7.9	7.8	<2	<2	89	90	93	92	822067	811458	<0.2	<0.2	2.2	2.0		
						1.0	0.6	302	24.9	24.9	8.4	8.4	21.3	21.3	101.8	101.7	7.5	7.5	7.8	7.8	<2	<2	90	93	92	93	92	93	<0.2	<0.2	2.2	2.0		
						4.3	0.4	287	24.7	24.7	8.4	8.4	23.2	23.2	100.1	100.1	7.3	7.3	3.5	3.4	2	2	2	2	93	93	<0.2	<0.2	2.0	2.2				
					Middle	4.3	0.4	308	24.7	24.7	8.4	8.4	23.2	23.2	100.0	100.0	7.3	7.3	3.4	3.4	2	2	2	2	92	93	<0.2	<0.2	2.0	2.2				
						7.6	0.2	269	24.5	24.5	8.4	8.4	24.9	24.9	98.4	98.4	7.1	7.1	7.1	7.1	3	3	3	3	95	95	<0.2	<0.2	2.2	2.1				
						7.6	0.2	276	24.5	24.5	8.4	8.4	24.9	24.9	98.4	98.4	7.1	7.1	7.1	7.1	3	3	3	3	95	95	<0.2	<0.2	2.2	2.1				
IM12	Cloudy	Moderate	09:59	8.2	Surface	1.0	0.5	280	25.1	25.1	8.4	8.4	21.4	21.5	102.3	102.2	7.5	7.5	1.8	1.9	<2	<2	89	90	93	93	821464	812036	<0.2	<0.2	1.9	1.9		
						1.0	0.6	294	25.0	25.0	8.4	8.4	21.5	21.5	102.1	101.6	7.5	7.4	1.9	2.0	<2	<2	90	93	94	95	93	93	<0.2	<0.2	1.7	2.2		
						4.1	0.6	268	24.9	24.9	8.4	8.4	22.4	22.4	101.6	101.6	7.4	7.4	1.9	1.9	<2	<2	93	94	95	95	95	95	<0.2	<0.2	2.2	2.0		
					Middle	4.1	0.6	279	24.9	24.9	8.4	8.4	22.4	22.4	101.6	101.6	7.4	7.4	1.9	1.9	<2	<2	93	94	95	95	95	95	<0.2	<0.2	2.2	2.0		
						7.2	0.3	298	24.9	24.9	8.4	8.4	22.8	22.8	100.8	100.8	7.3	7.3	2.6	2.6	2	2	2	2	95	95	<0.2	<0.2	2.2	2.0				
						7.2	0.3	302	24.9	24.9	8.4	8.4	22.8	22.8	100.7	100.7	7.3	7.3	2.6	2.6	2	2	2	2	95	95	<0.2	<0.2	2.2	2.0				
SR1A	Cloudy	Calm	09:45	4.8	Surface	1.0	-	-	25.0	25.0	8.4	8.4	21.1	21.1	103.3	103.3	7.6	7.6	1.5	1.5	<2	<2	-	-	-	-	819982	812660	-	-	-	-		
						1.0	-	-	25.0	25.0	8.4	8.4	21.1	21.1	103.3	103.3	7.6	7.6	1.5	1.5	<2	<2	-	-	-	-	-	-	-	-	-	-		
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.8	-	-	25.0	25.0	8.4	8.4	20.9	20.9	103.1	103.0	7.6	7.6	1.0	1.0	<2	<2	-	-	-	-	-	-	-	-	-	-	-	
						3.8	-	-	25.0	25.0	8.4	8.4	21.0	21.0	102.9	103.0	7.6	7.6	1.0	1.0	<2	<2	-	-	-	-	-	-	-	-	-	-		
SR2	Cloudy	Moderate	09:31	5.4	Surface	1.0	0.3	312	25.0	25.0	8.4	8.4	22.8	22.8	101.8	101.7	7.4	7.4	3.0	2.7	2	2	89	89	91	91	821463	814157	<0.2	<0.2	3.4	3.4		
						1.0	0.3	320	24.9	24.9	8.4	8.4	22.8	22.8	101.5	101.8	7.4	7.4	2.7	2.7	2	2	2	2	89	89	91	91	821463	814157	<0.2	<0.2	3.4	3.4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.4	0.2	256	25.0	25.1	8.4	8.4	22.8	22.8	101.6	101.8	7.4	7.4	4.7	4.9	3	3	3	3	93	94	<0.2	<0.2	2.0	2.0				
						4.4	0.2	268	25.1	25.1	8.4	8.4	22.7	22.8	101.9	101.8	7.4	7.4	4.9	4.9	3	3	3	3	93	94	<0.2	<0.2	2.0	2.0				
SR3	Cloudy	Moderate	10:36	8.8	Surface	1.0	0.1	270	25.3	25.3	8.4	8.4	20.2	20.3	103.9	103.9	7.6	7.6	1.4	1.4	2	2	-	-	-	-	822160	807586	-	-	-	-		
						1.0	0.1	291	25.2	25.2	8.4	8.4	20.3	20.3	103.8	103.6	7.6	7.6	1.4	1.4	2	2	2	2	-	-	-	-	-	-	-			
						4.4	0.1	293	25.1	25.1	8.4	8.4	20.4	20.4	103.6	103.6	7.6	7.6	1.2	1.1	3	3	3	3	-	-	-	-	-	-	-			
					Middle	4.4	0.1	313	25.1	25.1	8.4	8.4	20.4	20.4	103.6	103.6	7.6	7.6	1.1	1.1	3	3	3	3	-	-	-	-	-	-	-			
						7.8	0.1	64	25.1	25.1	8.4	8.4	21.0	21.0	103.7	103.7	7.6	7.6	0.8	0.8	3	3	3	3	-	-	-	-	-	-	-			
						7.8	0.1	67	25.1	25.1	8.4	8.4	21.0	21.0	103.7	103.7	7.6	7.6	0.8	0.8	3	3	3	3	-	-	-	-	-	-				
SR4A	Fine	Calm	09:30	9.1	Surface	1.0	0.3	248	24.6	24.6	8.0	8.0	24.2	24.2	101.7	101.8	7.4	7.4	5.8	5.7	3	3	-	-	-	-	817194	807820	-	-	-	-		
						1.0	0.3	258	24.6	24.6	8.0	8.0	24.2	24.2	101.8	101.4	7.4	7.4	5.7	7.1	4	4	3	3	-	-	-	-	-	-				
						4.6	0.3	256	24.6	24.6	8.0	8.0	24.2	24.2	101.4	101.4	7.3	7.3	7.1	7.8	3	3	3	3	-	-	-	-	-					
					Middle	4.6	0.3	263	24.6	24.6	8.0	8.0	24.2	24.2	101.3	101.3	7.3	7.3	7.8	7.8	3	3	3	3	-	-	-	-	-					
						8.1	0.2	260	24.6	24.6	8.0	8.0	25.4	25.4	99.6	99.5	7.2	7.2	8.4	8.6	4	4	4	4	-	-	-	-	-					
						8.1	0.3	278	24.6	24.6	8.0	8.0	25.4	25.4	99.4																			

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 April 19 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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
						Value	Average		Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	18:37	7.7	Surface	1.0	0.1	172	22.8	22.8	8.1	8.1	29.0	29.0	99.7	99.7	7.3	16.8	16.8	16.8	16.8	<2		83	87	87	815627	804255	<0.2	0.7	0.8	0.9		
						1.0	0.1	175	22.8	8.1	8.1	29.0	29.0	99.7	99.7	7.3	16.8	16.8	16.8	16.8	16.8	16.8	16.8	<2		83	87	87	815627	804255	<0.2	0.7	0.8	0.9
						3.9	0.1	167	22.7	22.7	8.1	8.0	29.0	29.0	99.3	99.3	7.2	13.5	13.5	13.5	13.5	13.5	13.5	2	2	87	87	87	815627	804255	<0.2	0.9	0.7	0.9
					3.9	0.1	168	22.7	22.7	8.0	8.0	29.0	29.0	99.2	99.2	7.2	13.5	13.5	13.5	13.5	13.5	13.5	2	2	87	87	87	815627	804255	<0.2	0.7	0.9	0.9	
					6.7	0.0	188	22.8	22.8	8.0	8.0	28.9	28.9	99.8	99.8	7.3	10.6	10.6	10.6	10.6	10.6	10.6	2	2	91	91	91	815627	804255	<0.2	1.0	1.0	1.0	
					6.7	0.0	195	22.8	22.8	8.0	8.0	28.9	28.9	99.7	99.7	7.3	10.6	10.6	10.6	10.6	10.6	10.6	2	2	91	91	91	815627	804255	<0.2	1.0	1.0	1.0	
C2	Cloudy	Rough	17:35	12.1	Surface	1.0	0.3	152	23.8	23.8	8.4	8.4	22.4	22.4	100.1	100.1	7.4	5.8	5.8	5.8	5.8	3	3	84	84	84	825672	806951	<0.2	2.0	2.0	2.0		
						1.0	0.3	155	23.8	23.8	8.4	8.4	22.4	22.4	100.1	100.1	7.4	5.8	5.8	5.8	5.8	5.8	3	3	84	84	84	825672	806951	<0.2	2.0	2.0	2.0	
						6.1	0.2	128	23.8	23.8	8.4	8.4	22.3	22.3	100.4	100.4	7.5	2.2	2.2	2.2	2.2	2.2	<2	3	87	86	86	825672	806951	<0.2	2.0	2.0	2.0	
					6.1	0.2	129	23.8	23.8	8.4	8.4	22.3	22.3	100.4	100.4	7.5	2.3	2.3	2.3	2.3	2.3	<2	3	86	86	86	825672	806951	<0.2	2.0	2.0	2.0		
					11.1	0.0	210	23.8	23.8	8.4	8.4	22.3	22.3	100.9	101.1	7.5	1.3	1.3	1.3	1.3	1.3	5	5	88	88	88	825672	806951	<0.2	2.0	2.0	2.0		
					11.1	0.0	216	23.8	23.8	8.4	8.4	22.3	22.3	101.3	101.3	7.5	1.1	1.1	1.1	1.1	1.1	5	5	88	88	88	825672	806951	<0.2	2.0	2.0	2.0		
C3	Cloudy	Rough	19:48	11.8	Surface	1.0	0.4	71	23.3	23.3	8.5	8.5	27.8	27.7	101.1	101.1	7.4	8.1	8.1	8.1	8.1	2	2	85	85	85	822113	817821	<0.2	1.2	0.9	0.9		
						1.0	0.4	76	23.3	23.3	8.5	8.5	27.7	27.7	101.1	101.1	7.4	8.1	8.1	8.1	8.1	8.1	2	2	85	85	85	822113	817821	<0.2	0.9	0.9	0.9	
						5.9	0.4	83	23.1	23.1	8.5	8.5	28.3	28.4	101.5	101.4	7.4	5.2	5.2	5.2	5.2	5.2	2	2	87	86	86	822113	817821	<0.2	0.9	0.8	0.8	
					5.9	0.4	93	23.1	23.1	8.5	8.5	28.4	28.4	101.3	101.3	7.4	5.4	5.4	5.4	5.4	5.4	2	2	86	86	86	822113	817821	<0.2	0.8	0.8	0.8		
					10.8	0.4	105	23.1	23.2	8.5	8.5	28.4	28.4	101.7	101.8	7.4	0.9	0.9	0.9	0.9	0.9	2	2	89	89	89	822113	817821	<0.2	0.9	0.9	0.9		
					10.8	0.4	120	23.2	23.2	8.5	8.5	28.4	28.4	101.8	101.8	7.4	0.9	0.9	0.9	0.9	0.9	2	2	88	88	88	822113	817821	<0.2	0.9	0.9	0.9		
IM1	Cloudy	Rough	18:15	5.2	Surface	1.0	0.2	248	22.9	22.9	8.1	8.1	29.0	29.0	99.5	99.5	7.2	12.7	12.8	12.8	12.8	<2	<2	83	83	83	817936	807150	<0.2	0.8	1.0	1.0		
						1.0	0.2	220	22.9	22.9	8.1	8.1	29.0	29.0	99.5	99.5	7.2	12.8	12.8	12.8	12.8	12.8	<2	<2	83	83	83	817936	807150	<0.2	1.0	1.0	1.0	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.2	0.2	229	22.9	22.9	8.0	8.0	28.9	28.9	99.4	99.4	7.2	9.9	9.9	9.9	9.9	9.9	<2	<2	88	88	88	817936	807150	<0.2	0.8	0.8	0.8		
					4.2	0.2	234	22.9	22.9	8.0	8.0	28.9	28.9	99.4	99.4	7.2	9.8	9.8	9.8	9.8	9.8	<2	<2	88	88	88	817936	807150	<0.2	0.8	0.8	0.8		
					1.0	0.2	219	23.0	23.0	8.1	8.1	28.9	28.9	101.2	101.2	7.4	7.2	7.2	7.2	7.2	7.2	3	3	83	83	83	817936	807150	<0.2	1.1	1.1	1.1		
IM2	Cloudy	Rough	18:08	7.8	Surface	1.0	0.3	222	23.0	23.0	8.1	8.1	28.9	28.9	101.2	101.2	7.4	7.2	7.2	7.2	7.2	3	3	83	83	83	818176	806176	<0.2	0.8	0.8	0.8		
						3.9	0.2	249	22.9	22.9	8.1	8.1	28.9	28.9	100.9	100.9	7.3	12.1	12.1	12.1	12.1	12.1	2	2	88	88	88	818176	806176	<0.2	0.7	0.7	0.7	
						3.9	0.2	221	22.9	22.9	8.1	8.1	28.9	28.9	100.9	100.9	7.3	12.1	12.1	12.1	12.1	12.1	2	2	88	88	88	818176	806176	<0.2	0.6	0.6	0.6	
					6.8	0.2	212	22.9	22.9	8.0	8.0	28.9	28.9	101.1	101.1	7.4	10.1	10.1	10.1	10.1	10.1	3	3	91	91	91	818176	806176	<0.2	0.8	0.8	0.8		
					6.8	0.2	230	22.9	22.9	8.0	8.0	28.9	28.9	101.1	101.1	7.4	10.1	10.1	10.1	10.1	10.1	2	2	92	92	92	818176	806176	<0.2	0.8	0.8	0.8		
					1.0	0.3	228	22.9	22.9	8.1	8.1	28.8	28.8	100.7	100.7	7.3	9.2	9.2	9.2	9.2	9.2	4	4	84	84	84	818176	806176	<0.2	0.7	0.7	0.7		
IM3	Cloudy	Rough	18:01	7.7	Surface	1.0	0.4	228	22.9	22.9	8.1	8.1	28.8	28.8	100.7	100.7	7.3	9.3	9.3	9.3	9.3	4	4	84	84	84	818802	805607	<0.2	0.7	0.7	0.7		
						3.9	0.3	215	22.8	22.8	8.1	8.0	29.1	29.1	100.2	100.2	7.3	10.7	10.7	10.7	10.7	10.7	3	3	88	88	88	818802	805607	<0.2	0.7	0.7	0.7	
						3.9	0.3	223	22.8	22.8	8.0	8.0	29.1	29.1	100.2	100.2	7.3	10.7	10.7	10.7	10.7	10.7	3	3	88	88	88	818802	805607	<0.2	0.7	0.7	0.7	
					6.7	0.2	229	22.9	22.9	8.0	8.0	29.0	29.0	100.4	100.4	7.3	14.6	14.6	14.6	14.6	14.6	3	3	91	91	91	818802	805607	<0.2	0.7	0.7	0.7		
					6.7	0.2	230	22.9	22.9	8.0	8.0	29.0	29.0	100.4	100.4	7.3	14.6	14.6	14.6	14.6	14.6	2	2	92	92	92	818802	805607	<0.2	0.8	0.8	0.8		
					1.0	0.7	213	22.7	22.7	8.1	8.1	28.5	28.5	99.4	99.3	7.3	14.9	14.9	14.9	14.9	14.9	3	3	84	84	84	819733	804606	<0.2	0.7	0.7	0.7		
IM4	Cloudy	Rough	17:51	7.5	Surface	1.0	0.7	242	22.7	22.7	8.1	8.1	28.5	28.5	99.2	99.3	7.3	15.0	15.0	15.0	15.0	3	3	84	84	84	819733	804606	<0.2	0.8	0.8	0.8		
						3.8	0.4	202	22.9	22.9	8.1	8.1	28.4	28.5	99.5	99.5	7.3	6.1	6.1	6.1	6.1	6.1	3	3	88	88	88	819733	804606	<0.2	0.9	0.9	0.9	
						3.8	0.4	221	22.9	22.9	8.1	8.1	28.5	28.5	99.4	99.4	7.3	6.2	6.2	6.2	6.2	6.2	4	4	88	88	88	819733	804606	<0.2	0.8	0.8	0.8	
					6.5	0.3	212	22.9	22.9	8.0	8.0	28.4	28.4	99.8	100.0	7.3	8.7	8.7	8.7	8.7	8.7	3	3	91	91	91	819733	804606	<0.2	1.0	1.0	1.0		
					6.5	0.3	226	22.9	22.9	8.0	8.0	28.4	28.4	100.1	100.1	7.3	8.7	8.7	8.7	8.7	8.7	3	3	92	92	92	819733	804606	<0.2	1.0	1.0	1.0		
					1.0	0.3	229	23.2	23.2	8.0	8.0	26.4	26.4	99.3	99.3	7.3	12.0	12.0																

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 April 19 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	Value	DA	Value	DA
C1	Cloudy	Rough	05:57	8.9	Surface	1.0	0.1	330	22.9	22.9	8.1	8.1	29.2	29.1	99.1	99.1	7.2	7.2	11.6	3	84	88	88	88	88	815613	804256	<0.2	1.9	2.0				
						1.0	0.1	0	22.9	22.9	8.1	8.1	29.1	29.1	99.0	99.0	7.2	7.2	11.6	3	84	88	88	88	88	815613	804256	<0.2	1.9	2.0				
						4.5	0.1	21	22.9	22.9	8.1	8.1	29.1	29.1	98.9	98.9	7.2	7.2	11.6	3	88	88	88	88	88	815613	804256	<0.2	1.9	2.0				
					Middle	4.5	0.1	22	22.9	22.9	8.1	8.1	29.1	29.1	98.8	98.8	7.2	7.2	11.7	4	88	88	88	88	88	88	88	815613	804256	<0.2	1.9	2.0		
						7.9	0.1	26	23.0	23.0	8.0	8.0	29.2	29.1	98.6	98.6	7.2	7.2	14.9	3	91	88	88	88	88	88	88	815613	804256	<0.2	2.1	2.1		
						7.9	0.1	27	23.0	23.0	8.0	8.0	29.1	29.1	98.3	98.3	7.1	7.2	14.9	3	91	88	88	88	88	88	88	815613	804256	<0.2	2.1	2.1		
C2	Cloudy	Rough	07:11	12.2	Surface	1.0	0.3	231	23.8	23.8	8.4	8.4	22.9	22.9	100.2	100.2	7.4	7.4	4.7	6	85	84	84	84	84	825671	806940	<0.2	2.1	2.0				
						1.0	0.3	236	23.8	23.8	8.4	8.4	22.9	22.9	100.2	100.2	7.4	7.4	4.8	5	84	87	87	87	87	825671	806940	<0.2	1.8	2.0				
						6.1	0.2	220	23.9	24.0	8.4	8.4	22.9	22.9	100.0	100.0	7.4	7.4	2.0	4	87	87	87	87	87	825671	806940	<0.2	2.2	2.0				
					Middle	6.1	0.2	235	24.0	24.0	8.4	8.4	22.9	22.9	100.0	100.0	7.4	7.4	1.9	4	87	87	87	87	87	87	87	825671	806940	<0.2	1.9	2.0		
						11.2	0.1	56	24.3	24.4	8.4	8.4	22.8	22.8	100.2	100.2	7.4	7.4	1.2	4	87	87	87	87	87	87	87	825671	806940	<0.2	2.2	2.0		
						11.2	0.1	56	24.4	24.4	8.4	8.4	22.7	22.7	100.2	100.2	7.4	7.4	1.3	5	89	87	87	87	87	87	87	825671	806940	<0.2	2.0	2.0		
C3	Cloudy	Moderate	05:35	11.3	Surface	1.0	0.3	336	23.5	23.5	8.4	8.4	27.7	27.7	98.7	98.7	7.2	7.2	5.8	4	83	84	84	84	84	822094	817822	<0.2	1.7	1.5				
						1.0	0.3	359	23.5	23.5	8.4	8.4	27.7	27.7	98.7	98.7	7.2	7.2	5.8	4	84	86	86	86	86	822094	817822	<0.2	1.6	1.5				
						5.7	0.0	243	23.5	23.5	8.4	8.4	27.8	27.8	98.7	98.7	7.1	7.1	2.1	4	86	85	85	85	85	822094	817822	<0.2	1.4	1.4				
					Middle	5.7	0.0	252	23.5	23.5	8.4	8.4	27.8	27.8	98.6	98.6	7.1	7.1	2.1	3	88	88	88	88	88	88	88	822094	817822	<0.2	1.5	1.4		
						10.3	0.1	114	23.5	23.5	8.4	8.4	28.1	28.1	98.6	98.6	7.1	7.1	5.0	3	88	88	88	88	88	88	88	822094	817822	<0.2	1.6	1.6		
						10.3	0.1	114	23.5	23.5	8.4	8.4	28.1	28.1	98.6	98.6	7.1	7.1	5.0	3	88	88	88	88	88	88	88	822094	817822	<0.2	1.3	1.3		
IM1	Cloudy	Rough	06:35	4.6	Surface	1.0	0.1	22	22.8	22.8	8.1	8.1	29.3	29.3	99.6	99.6	7.2	7.2	7.1	4	83	83	83	83	83	817928	807124	<0.2	1.0	0.9				
						1.0	0.1	22	22.8	22.8	8.1	8.1	29.3	29.3	99.6	99.6	7.2	7.2	7.1	3	83	83	83	83	83	817928	807124	<0.2	0.8	0.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.6	0.1	30	22.8	22.8	8.1	8.1	29.3	29.3	99.4	99.4	7.2	7.2	7.2	4	89	89	89	89	89	89	89	-	-	<0.2	0.8	0.8		
						3.6	0.1	31	22.8	22.8	8.1	8.1	29.3	29.3	99.4	99.4	7.2	7.2	7.2	3	89	89	89	89	89	89	89	-	-	<0.2	1.1	1.1		
IM2	Cloudy	Rough	06:40	8.2	Surface	1.0	0.1	308	23.0	23.0	8.1	8.1	29.1	29.1	100.8	100.8	7.3	7.3	9.4	4	84	84	84	84	84	818151	806181	<0.2	1.0	0.8				
						1.0	0.1	326	23.0	23.0	8.1	8.1	29.1	29.1	100.7	100.7	7.3	7.3	9.4	4	84	88	88	88	88	818151	806181	<0.2	0.8	0.8				
						4.1	0.1	350	22.9	22.9	8.1	8.1	29.2	29.2	100.5	100.5	7.3	7.3	8.2	4	88	87	87	87	87	818151	806181	<0.2	0.9	0.8				
					Middle	4.1	0.1	354	22.9	22.9	8.1	8.1	29.2	29.2	100.5	100.5	7.3	7.3	8.2	3	87	87	87	87	87	87	87	818151	806181	<0.2	0.8	0.8		
						7.2	0.1	61	22.9	22.9	8.1	8.1	29.2	29.2	100.3	100.3	7.3	7.3	13.1	4	87	87	87	87	87	87	87	818151	806181	<0.2	0.8	0.8		
						7.2	0.1	66	22.8	22.8	8.1	8.1	29.2	29.2	100.1	100.1	7.3	7.3	13.2	4	91	83	83	83	83	83	83	818151	806181	<0.2	0.7	0.7		
IM3	Cloudy	Rough	06:45	8.3	Surface	1.0	0.2	295	23.0	23.0	8.1	8.1	29.2	29.2	100.7	100.7	7.3	7.3	7.8	3	83	84	84	84	84	818776	805609	<0.2	0.8	0.8				
						1.0	0.2	305	23.0	23.0	8.1	8.1	29.2	29.2	100.7	100.7	7.3	7.3	7.8	4	84	85	85	85	85	818776	805609	<0.2	0.8	0.8				
						4.2	0.2	310	23.0	23.0	8.1	8.1	29.1	29.1	100.5	100.5	7.3	7.3	12.9	3	85	85	85	85	85	818776	805609	<0.2	0.7	0.7				
					Middle	4.2	0.2	311	22.9	22.9	8.1	8.1	29.1	29.1	100.5	100.5	7.3	7.3	12.9	3	85	85	85	85	85	85	85	818776	805609	<0.2	0.7	0.7		
						7.3	0.1	323	22.9	22.9	8.1	8.1	29.1	29.1	100.2	100.2	7.3	7.3	8.1	5	91	89	89	89	89	89	89	818776	805609	<0.2	0.9	0.9		
						7.3	0.1	347	22.9	22.9	8.0	8.0	29.1	29.1	100.3	100.3	7.3	7.3	8.1	4	91	89	89	89	89	89	89	818776	805609	<0.2	0.9	0.9		
IM4	Cloudy	Rough	06:54	8.4	Surface	1.0	0.3	305	22.8	22.8	8.1	8.1	28.8	28.9	99.7	99.7	7.3	7.3	10.8	4	84	84	84	84	84	819727	804609	<0.2	1.0	1.0				
						1.0	0.3	333	22.8	22.8	8.1	8.1	28.9	28.9	99.5	99.5	7.3	7.3	10.8	4	84	87	87	87	87	819727	804609	<0.2	1.0	1.0				
						4.2	0.3	311	22.8	22.8	8.1	8.1	28.9	28.9	99.5	99.5	7.2	7.2	6.8	4	84	88	88	88	88	819727	804609	<0.2	1.0	1.0				
					Middle	4.2	0.3	311	22.8	22.8	8.1	8.1	28.9	28.9	99.5	99.5	7.2	7.2	6.8	5	88	91	91	91	91	91	91	819727	804609	<0.2	0.9	1.0		
						7.4	0.1	335	22.8	22.8	8.1	8.1	28.9	28.9	99.4	99.4	7.2	7.2	7.6	3	88	89	89	89	89	89	89	819727	804609	<0.2	1.0	1.0		
						7.4	0.1	350	22.8	22.8	8.1	8.1	28.9	28.9	99.3	99.3	7.2	7.2	7.6	4	91	89	89	89	89	89	89	819727	804609	<0.2	1.1	1.1		
IM5	Cloudy	Rough	07:01	8.0	Surface	1.0	0.1	308	23.1	23.1	8.1	8.1	26.9	26.9	98.7	98.7	7.2	7.2	7.6	4	83	84	84	84	84	820725	804865	<0.2	1.4	1.4				
						1.0	0.1	311	23.1	23.1	8.1	8.1	26.9	26.9	98.6	98.6	7.2	7.2	7.6	3	84	88	88	88	88	820725	804865	<0.2	1.3	1.3				
						4.0	0.1	339	23.0	23.0	8.1	8.1	27.6	27.6	98.6	98.6	7.2	7.2	9.1	3	88	89	89	89	89	820725	804865	<0.2	1.6	1.4				
					Middle	4.0	0.1	355	23.0																									

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 April 19 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	Value	DA	Value	DA
IM9	Cloudy	Rough	06:39	7.3	Surface	1.0	0.3	265	23.9	23.9	8.4	8.4	24.8	24.8	100.8	100.8	7.4	8.4	4	85	87	822117	808797	<0.2	<0.2	1.5	1.6							
						1.0	0.3	281	23.9	8.4	8.4	24.8	24.8	100.7	100.6	7.4	8.2	4	84	87	88	89	88	89	88	<0.2	<0.2	1.7	1.6					
						3.7	0.3	253	23.8	23.8	8.4	8.4	24.9	24.9	100.6	100.6	7.4	3.8	3	87	88	89	88	89	88	<0.2	<0.2	1.8	1.4					
					Middle	3.7	0.3	267	23.8	23.8	8.4	8.4	24.9	24.9	100.6	100.6	7.4	3.8	5	87	88	89	88	89	88	<0.2	<0.2	1.8	1.4					
						6.3	0.2	244	23.8	23.8	8.5	8.5	24.9	24.9	101.0	101.0	7.4	2.7	4	87	88	89	88	89	88	<0.2	<0.2	1.6	1.4					
						6.3	0.2	249	23.8	23.8	8.5	8.5	24.9	24.9	101.0	101.0	7.4	2.8	5	87	88	89	88	89	88	<0.2	<0.2	1.6	1.4					
					IM10	Cloudy	Rough	06:32	7.4	Surface	1.0	0.3	255	23.8	23.8	8.5	8.5	24.8	24.8	101.1	101.1	7.4	5.7	4	84	85	822395	809782	<0.2	<0.2	1.4	1.5		
											1.0	0.3	271	23.8	23.8	8.5	8.5	24.8	24.8	101.1	101.1	7.4	5.7	4	84	85	86	87	86	87	<0.2	<0.2	1.5	1.5
											3.7	0.3	254	23.9	23.9	8.5	8.5	24.8	24.8	101.2	101.2	7.4	3.7	3	87	86	89	88	89	88	<0.2	<0.2	1.8	1.4
Middle	3.7	0.3	267	23.9						23.9	8.5	8.5	24.8	24.8	101.2	101.2	7.4	3.7	3	87	86	89	88	89	88	<0.2	<0.2	1.6	1.4					
	6.4	0.2	261	24.1						24.1	8.5	8.5	24.8	24.7	100.4	100.4	7.3	1.8	3	87	86	89	88	89	88	<0.2	<0.2	1.4	1.4					
	6.4	0.2	286	24.2						24.2	8.5	8.5	24.7	24.7	100.4	100.4	7.3	1.9	3	87	86	89	88	89	88	<0.2	<0.2	1.5	1.5					
IM11	Cloudy	Rough	06:21	7.5						Surface	1.0	0.2	233	23.8	23.8	8.4	8.4	25.1	25.1	99.6	99.6	7.3	3.2	6	85	85	822040	811467	<0.2	<0.2	1.4	1.5		
											1.0	0.2	238	23.8	23.8	8.4	8.4	25.1	25.1	99.6	99.6	7.3	3.1	4	85	87	86	87	86	87	<0.2	<0.2	1.6	1.4
											3.8	0.1	254	23.8	23.8	8.4	8.4	25.1	25.1	99.7	99.7	7.3	3.4	6	87	86	89	88	89	88	<0.2	<0.2	1.5	1.4
					Middle	3.8	0.1	264	23.8	23.8	8.4	8.4	25.1	25.1	99.7	99.7	7.3	3.4	6	87	86	89	88	89	88	<0.2	<0.2	1.4	1.4					
						6.5	0.1	244	24.0	24.0	8.4	8.4	25.2	25.1	100.1	100.2	7.3	3.1	5	87	86	89	88	89	88	<0.2	<0.2	1.6	1.6					
						6.5	0.1	258	24.0	24.0	8.4	8.4	25.1	25.1	100.3	100.3	7.3	3.1	4	87	86	89	88	89	88	<0.2	<0.2	1.6	1.6					
					IM12	Cloudy	Rough	06:13	8.3	Surface	1.0	0.1	206	23.7	23.7	8.4	8.4	25.9	25.9	99.9	99.9	7.3	4.7	3	84	83	821481	812043	<0.2	<0.2	1.4	1.6		
											1.0	0.1	224	23.7	23.7	8.4	8.4	25.9	25.9	99.9	99.9	7.3	4.5	4	84	87	88	88	89	88	<0.2	<0.2	1.6	1.4
											4.2	0.1	154	23.7	23.7	8.4	8.4	25.2	25.2	100.0	100.0	7.3	4.0	5	87	86	89	88	89	88	<0.2	<0.2	1.4	1.4
Middle	4.2	0.1	155	23.7						23.7	8.4	8.4	25.2	25.2	99.9	99.9	7.3	4.1	4	87	86	89	88	89	88	<0.2	<0.2	1.4	1.4					
	7.3	0.0	58	23.7						23.7	8.4	8.4	25.2	25.2	99.9	99.9	7.3	3.3	4	87	86	89	88	89	88	<0.2	<0.2	1.4	1.4					
	7.3	0.0	63	23.7						23.7	8.4	8.4	25.2	25.2	99.9	99.9	7.3	3.3	4	87	86	89	88	89	88	<0.2	<0.2	1.4	1.2					
SR1A	Cloudy	Rough	06:00	4.7						Surface	1.0	-	-	23.2	23.2	8.4	8.4	26.6	26.6	100.7	100.7	7.4	1.8	3	-	-	819979	812660	-	-	-	-		
											1.0	-	-	23.1	23.1	8.4	8.4	26.6	26.6	100.6	100.6	7.4	1.9	3	-	-	-	-	-	-	-	-		
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.7	-	-	23.6	23.6	8.4	8.4	26.3	26.3	99.8	99.8	7.3	4.1	<2	-	-	-	-	-	-	-	-	-	-					
						3.7	-	-	23.6	23.6	8.4	8.4	26.3	26.3	99.8	99.8	7.3	4.1	2	-	-	-	-	-	-	-	-	-	-					
					SR2	Cloudy	Moderate	06:00	4.5	Surface	1.0	0.1	298	23.5	23.5	8.4	8.4	26.4	26.4	99.9	99.9	7.3	1.2	2	87	85	821482	814147	<0.2	<0.2	1.5	1.3		
											1.0	0.1	322	23.5	23.5	8.4	8.4	26.4	26.4	100.0	100.0	7.3	1.1	3	87	85	86	87	86	87	<0.2	<0.2	1.2	1.2
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	3.5	0.0	96	23.4						23.4	8.4	8.4	26.6	26.6	101.7	101.8	7.4	0.7	3	88	88	89	88	89	88	<0.2	<0.2	1.4	1.4					
	3.5	0.0	104	23.3						23.3	8.4	8.4	26.7	26.6	101.9	101.8	7.5	0.7	3	88	88	89	88	89	88	<0.2	<0.2	1.4	1.2					
SR3	Cloudy	Rough	06:51	8.3						Surface	1.0	0.4	234	23.8	23.8	8.4	8.4	24.7	24.7	100.6	100.6	7.4	6.3	2	-	-	822154	807584	-	-	-	-		
											1.0	0.4	239	23.8	23.8	8.4	8.4	24.7	24.7	100.6	100.6	7.4	6.8	3	-	-	-	-	-	-	-	-		
											4.2	0.3	237	23.8	23.8	8.4	8.4	24.7	24.7	100.8	100.8	7.4	1.6	<2	-	-	-	-	-	-	-	-		
					Middle	4.2	0.4	238	23.8	23.8	8.4	8.4	24.7	24.7	100.8	100.8	7.4	1.7	<2	-	-	-	-	-	-	-	-	-						
						7.3	0.1	330	23.8	23.8	8.4	8.4	24.7	24.7	100.9	101.0	7.4	1.5	<2	-	-	-	-	-	-	-	-							
						7.3	0.1	334	23.7	23.7	8.4	8.4	24.7	24.7	101.0	101.0	7.4	1.5	<2	-	-	-	-	-	-	-	-							
					SR4A	Cloudy	Rough	05:37	9.6	Surface	1.0	0.1	184	23.1	23.2	8.1	8.1	29.0	29.0	99.1	99.1	7.2	8.8	2	-	-	817183	807811	-	-	-	-		
											1.0	0.1	191	23.2	23.2	8.1	8.1	29.0	29.0	99.1	99.1	7.2	8.8	2	-	-	-	-	-	-	-			
											4.8	0.0	113	23.2	23.2	8.1	8.1	28.5	28.5	99.2	99.2	7.2	7.9	3	-	-	-	-	-	-	-			
Middle	4.8	0.0	122	23.2						23.2	8.1	8.1	28.5	28.5	99.2	99.2	7.2	7.9	4	-	-	-	-	-	-	-	-							
	8.6	0.1	62	23.2						23.2	8.1	8.1	28.5	28.5	99.1	99.1	7.2	9.1	3	-	-	-	-	-	-	-								
	8.6	0.1	64	23.2						23.2	8.1	8.1	28.5	28.5	99.1	99.1	7.2	9.1	4	-	-	-	-	-	-	-								
SR5A	Cloudy	Rough	05:20	3.6						Surface	1.0	0.1	8	23.4	23.4	8.0	8.0	25.9	25.9	96.4	96.4	7.1	8.1	2	-	-	816579	810693	-	-	-	-		
											1.0	0.1	8	23.4	23.4	8.0	8.0	25.9	25.9	96.4	96.4	7.1	8.1	3	-	-	-	-	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						2.6	0.1	294	23.4	23.4	8.0	8.0	26.3	26.3	96.5	96.6	7.1	7.3	2	-	-	-	-	-	-									
						2.6	0.1	295	23.4	23.4	8.0	8.0	26.3	26.3	96.7	96.7	7.1	7.3	2	-	-	-	-	-										
					SR6	Cloudy	Rough	04:53	3.2																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Rough	11:23	9.2	Surface	1.0	0.3	236	23.4	23.4	8.2	8.2	28.2	28.2	90.8	90.8	6.6	6.6	11.4	9.3	5	5	84	88	88	815640	804227	<0.2	1.3	<0.2	1.3	
						1.0	0.3	255	23.4	8.2	8.2	28.2	28.2	90.8	90.8	6.6	6.6	11.4	9.3	4	4	85	88	88	815640	804227	<0.2	1.3	<0.2	1.3		
						4.6	0.4	185	23.5	8.2	8.2	29.4	29.4	90.2	90.2	6.5	6.5	5.8	5.8	5	5	88	89	89	815640	804227	<0.2	1.3	<0.2	1.3		
					4.6	0.4	193	23.5	8.2	8.2	29.4	29.4	90.2	90.2	6.5	6.5	5.8	5.8	4	4	89	91	91	815640	804227	<0.2	1.3	<0.2	1.3			
					8.2	0.1	252	23.5	8.2	8.2	29.6	29.6	93.6	93.6	6.7	6.7	10.8	10.8	5	5	91	92	92	815640	804227	<0.2	1.3	<0.2	1.3			
					8.2	0.1	261	23.5	8.2	8.2	29.6	29.6	93.6	93.6	6.7	6.7	10.8	10.8	5	5	91	92	92	815640	804227	<0.2	1.3	<0.2	1.3			
C2	Rainy	Rough	12:49	8.9	Surface	1.0	0.6	181	22.9	22.9	7.9	7.9	21.0	21.0	93.0	93.0	7.1	7.1	3.0	5.3	2	4	88	92	92	825663	806967	<0.2	2.6	<0.2	2.6	
						1.0	0.7	189	22.9	7.9	7.9	21.0	21.0	93.0	93.0	7.1	7.1	3.3	5.3	3	4	89	92	92	825663	806967	<0.2	2.6	<0.2	2.6		
						4.5	0.3	163	23.0	7.9	7.9	23.1	23.1	94.5	94.9	7.1	7.1	4.0	5.3	5	4	92	92	92	825663	806967	<0.2	2.6	<0.2	2.6		
					4.5	0.3	165	23.0	7.9	7.9	23.1	23.1	95.2	94.9	7.2	7.2	4.2	5.3	4	4	92	94	94	825663	806967	<0.2	2.6	<0.2	2.6			
					7.9	0.0	152	23.0	7.8	7.8	23.5	23.5	95.0	95.1	7.1	7.1	8.6	5.3	5	4	94	94	94	825663	806967	<0.2	2.5	<0.2	2.5			
					7.9	0.0	159	23.0	7.8	7.8	23.5	23.5	95.1	95.1	7.1	7.1	8.6	5.3	5	4	94	94	94	825663	806967	<0.2	2.5	<0.2	2.5			
C3	Rainy	Rough	10:48	13.3	Surface	1.0	0.5	71	22.6	22.6	7.9	7.9	28.5	28.5	95.6	95.7	7.0	7.0	4.1	4.6	2	2	88	92	92	822116	817798	<0.2	1.3	<0.2	1.3	
						1.0	0.6	77	22.5	22.5	7.9	7.9	28.5	28.5	95.8	95.7	7.0	7.0	4.1	4.6	2	2	89	93	93	822116	817798	<0.2	1.3	<0.2	1.3	
						6.7	0.4	85	22.5	22.5	7.8	7.8	28.5	28.5	95.2	95.3	7.0	7.0	8.7	4.6	3	2	93	93	93	822116	817798	<0.2	1.4	<0.2	1.3	
					6.7	0.4	91	22.5	22.5	7.8	7.8	28.5	28.5	95.2	95.3	7.0	7.0	8.7	4.6	2	2	93	94	94	822116	817798	<0.2	1.3	<0.2	1.3		
					12.3	0.4	91	22.6	22.6	7.7	7.7	29.4	29.4	92.6	92.7	6.8	6.8	1.2	4.6	2	2	94	94	94	822116	817798	<0.2	1.4	<0.2	1.3		
					12.3	0.4	99	22.6	22.6	7.7	7.7	29.4	29.4	92.8	92.7	6.8	6.8	1.2	4.6	2	2	94	94	94	822116	817798	<0.2	1.3	<0.2	1.3		
IM1	Rainy	Rough	11:48	5.4	Surface	1.0	0.4	165	23.4	23.4	8.1	8.1	28.1	28.1	94.4	94.4	6.8	6.8	9.9	9.7	4	4	83	88	88	817972	807151	<0.2	1.3	<0.2	1.3	
						1.0	0.4	167	23.4	23.4	8.1	8.1	28.1	28.1	94.4	94.4	6.8	6.8	9.9	9.7	4	4	84	88	88	817972	807151	<0.2	1.3	<0.2	1.3	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Rainy	Rough	11:54	7.6	Surface	1.0	0.3	184	23.5	23.5	8.1	8.1	29.7	29.7	90.4	90.5	6.5	6.5	8.6	8.7	7	6	83	88	88	818163	806179	<0.2	1.3	<0.2	1.3	
						1.0	0.3	196	23.5	23.5	8.1	8.1	29.7	29.7	90.5	90.5	6.5	6.5	8.6	8.7	7	6	84	88	88	818163	806179	<0.2	1.3	<0.2	1.3	
						3.8	0.2	161	23.5	23.5	8.1	8.1	29.8	29.8	90.6	90.7	6.5	6.5	8.4	8.7	5	6	88	90	90	818163	806179	<0.2	1.3	<0.2	1.3	
IM3	Rainy	Rough	12:02	7.4	Surface	1.0	0.4	235	23.5	23.5	8.1	8.1	29.5	29.5	90.4	90.4	6.5	6.5	11.0	11.5	10	11	84	88	88	818780	805579	<0.2	1.3	<0.2	1.3	
						1.0	0.4	236	23.5	23.5	8.1	8.1	29.5	29.5	90.4	90.4	6.5	6.5	11.0	11.5	10	11	84	89	89	818780	805579	<0.2	1.3	<0.2	1.3	
						3.7	0.3	227	23.5	23.5	8.1	8.1	29.5	29.5	90.3	90.3	6.5	6.5	11.1	11.5	10	11	88	91	91	818780	805579	<0.2	1.3	<0.2	1.3	
IM4	Rainy	Rough	12:14	7.6	Surface	1.0	0.7	183	23.5	23.5	8.1	8.1	29.4	29.5	90.8	90.9	6.5	6.5	10.6	10.8	4	4	84	88	88	819719	804609	<0.2	1.3	<0.2	1.3	
						1.0	0.8	186	23.5	23.5	8.1	8.1	29.5	29.5	91.0	90.9	6.5	6.5	10.7	10.8	3	4	85	89	89	819719	804609	<0.2	1.3	<0.2	1.3	
						3.8	0.6	182	23.5	23.5	8.1	8.1	29.5	29.5	91.0	90.9	6.5	6.5	10.7	10.8	4	4	88	92	92	819719	804609	<0.2	1.3	<0.2	1.3	
IM5	Rainy	Rough	12:21	7.1	Surface	1.0	1.0	241	23.5	23.5	8.1	8.1	29.5	29.5	95.9	95.9	6.9	6.9	12.9	11.3	3	3	84	89	89	820727	804852	<0.2	1.3	<0.2	1.3	
						1.0	1.0	255	23.5	23.5	8.1	8.1	29.5	29.5	95.9	95.9	6.9	6.9	12.9	11.3	4	3	85	89	89	820727	804852	<0.2	1.3	<0.2	1.3	
						3.6	0.9	231	23.2	23.2	8.3	8.3	27.8	27.8	95.9	95.9	7.0	7.0	10.3	11.3	2	3	89	91	91	820727	804852	<0.2	1.3	<0.2	1.3	
IM6	Rainy	Rough	12:29	7.6	Surface	1.0	0.8	242	23.4	23.4	8.1	8.1	28.3	28.3	94.6	94.6	6.8	6.8	13.9	12.9	2	2	85	88	88	821072	805840	<0.2	1.3	<0.2	1.3	
						1.0	0.8	259	23.4	23.4	8.1	8.1	28.3	28.3	94.6	94.6	6.8	6.8	13.9	12.9	2	2	86	89	89	821072	805840	<0.2	1.3	<0.2	1.3	
						3.8	0.9	243	23.5	23.5	8.1	8.1	27.9	27.9	91.8	91.8	6.7	6.7	11.9	12.9	2	2	88	92	92	821072	805840	<0.2	1.3	<0.2	1.3	
IM7	Rainy	Rough	12:36	7.8	Surface	1.0	0.8	257	23.5	23.5	8.1	8.1	28.9	28.9	95.4	95.4	6.9	6.9	10.7	12.1	2	3	86	89	89	821345	806847	<0.2	1.3	<0.2	1.3	
						1.0	0.9	275	23.5	23.5	8.1	8.1	28.9	28.9	95.4	95.4	6.9	6.9	10.7	12.1	2	3	85	91	91	821345	806847	<0.2	1.3	<0.2	1.3	
						3.9	0.9	246	23.4	23.4	8.1	8.1	25.4	25.4	91.6	91.6	6.7	6.7	11.0	12.1	2	3	87	92	92	821345	806847	<0.2	1.3	<0.2	1.3	
IM8	Rainy	Moderate	12:31	7.6	Surface	1.0	0.3	187	22.9	22.9	7.9	7.9	23.2	23.2	93.7	93.8	7.1	7.1	1.6	4.0	4	4	88	92	92	821815	808137	<0.2	1.8	<0.2	1.7	
						1.0	0.3	205	22.9	22.9	7.9	7.9	23.2	23.2	93.8	93.8	7.1	7.1	1.6	4.0	4	4	89	93	93	821815	808137	<0.2	1.8	<0.2	1.7	
						3.8	0.2	206	22.9	22.9	7.9	7.9	23.7	23.7	94.1	94.2	7.1	7.1	2.8	4.0	3	4	93	94	94	821815	808137	<0.2	1.7	<0.2	1.7	
IM8	Rainy	Moderate	12:31	7.6	Middle	3.8	0.2	209	22.9	22.9	7.9	7.9	23.7	23.7	94.2	94.2	7.1	7.1	2.8	4.0	4	4	94	95	95	821815	808137	<0.2	1.7	<0.2	1.7	
						3.8	0.2	209	22.9	22.9	7.9	7.9	23.7	23.7	94.2	94.2	7.1															

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 April 19 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	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Rainy	Rough	15:58	8.4	Surface	1.0	0.1	53	23.5	23.5	7.9	7.9	27.6	27.6	90.9	90.9	6.6	6.6	8.2	6.6	4	4	86	86	89	89	815621	804259	<0.2	1.7	1.8	1.8		
						1.0	0.1	64	23.5	7.9	7.9	27.6	27.6	90.9	90.9	6.6	6.6	8.2	6.6	4	4	86	86	89	89	815621	804259	<0.2	1.7	1.8	1.8			
						4.2	0.1	86	23.5	8.0	8.0	28.1	28.1	91.2	91.2	6.6	6.6	7.7	6.6	4	4	89	89	90	90	815621	804259	<0.2	1.8	1.8	1.8			
					Middle	4.2	0.1	89	23.5	8.0	8.0	28.1	28.1	91.2	91.2	6.6	6.6	7.7	6.6	4	4	89	89	90	90	815621	804259	<0.2	1.8	1.8	1.8			
						7.4	0.0	69	23.5	8.0	8.0	28.9	28.9	91.1	91.1	6.6	6.6	6.8	6.6	5	5	91	91	91	91	815621	804259	<0.2	1.7	1.8	1.8			
						7.4	0.0	68	23.5	8.0	8.0	28.9	28.9	91.1	91.1	6.6	6.6	6.8	6.6	5	5	91	91	91	91	815621	804259	<0.2	1.7	1.8	1.8			
C2	Rainy	Rough	14:50	8.7	Surface	1.0	0.5	77	22.9	22.9	7.9	7.9	21.0	21.0	96.4	96.5	7.3	7.3	3.5	7.2	2	4.2	2	4	88	92	825692	806946	<0.2	2.6	2.6	2.6		
						1.0	0.5	78	22.9	7.9	7.9	21.1	21.1	96.6	96.6	7.4	7.4	3	4.2	3	4	89	92	825692	806946	<0.2	2.7	2.6	2.6					
						4.4	0.3	34	23.0	7.9	7.9	22.8	22.8	93.6	93.6	7.1	7.1	5.8	7.0	4	4	92	93	825692	806946	<0.2	2.6	2.6	2.6					
					Middle	4.4	0.3	36	23.0	7.9	7.9	22.8	22.8	93.5	93.5	7.0	7.0	5.8	7.0	4	4	93	94	825692	806946	<0.2	2.6	2.6	2.6					
						7.7	0.1	26	22.9	7.9	7.9	23.3	23.3	93.3	93.4	7.0	7.0	3.2	7.0	5	4	94	94	825692	806946	<0.2	2.6	2.6	2.6					
						7.7	0.1	24	22.9	7.9	7.9	23.3	23.3	93.4	93.4	7.0	7.0	3.4	7.0	5	4	94	94	825692	806946	<0.2	2.6	2.6	2.6					
C3	Rainy	Rough	16:23	9.5	Surface	1.0	0.3	282	22.9	22.9	7.9	7.9	27.4	27.4	93.8	93.8	6.9	6.9	3.1	6.9	3	2.8	3	4	88	92	822091	817789	<0.2	1.3	1.3	1.3		
						1.0	0.4	288	22.9	7.9	7.9	27.4	27.4	93.7	93.7	6.9	6.9	3.1	6.9	3	2.8	3	4	88	92	822091	817789	<0.2	1.3	1.3	1.3			
						4.8	0.3	279	22.9	7.9	7.9	27.4	27.4	93.9	94.0	6.9	6.9	3.8	6.9	4	4	92	93	822091	817789	<0.2	1.3	1.3	1.3					
					Middle	4.8	0.3	303	22.9	7.9	7.9	27.4	27.4	94.1	94.1	6.9	6.9	3.8	6.9	4	4	93	94	822091	817789	<0.2	1.4	1.4	1.4					
						8.5	0.2	278	22.6	7.9	7.9	27.8	27.8	96.1	96.1	7.1	7.1	1.5	7.1	4	4	94	94	822091	817789	<0.2	1.3	1.3	1.3					
						8.5	0.2	283	22.5	7.9	7.9	27.8	27.8	96.1	96.1	7.1	7.1	1.5	7.1	4	4	94	94	822091	817789	<0.2	1.4	1.4	1.4					
IM1	Rainy	Rough	15:36	5.4	Surface	1.0	0.2	70	23.5	23.5	8.1	8.1	25.6	25.6	91.1	91.1	6.7	6.7	11.2	6.7	5	12.8	5	5	84	89	817963	807117	<0.2	1.8	1.8	1.8		
						1.0	0.2	74	23.5	8.1	8.1	25.6	25.6	91.1	91.1	6.7	6.7	11.2	6.7	4	12.8	4	5	85	89	817963	807117	<0.2	1.8	1.8	1.8			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.4	0.1	23	23.5	8.1	8.1	27.8	27.8	91.3	91.3	6.6	6.6	14.4	6.6	6	12.8	6	5	92	89	817963	807117	<0.2	1.8	1.8	1.8			
						4.4	0.1	24	23.5	8.1	8.1	27.8	27.8	91.3	91.3	6.6	6.6	14.4	6.6	6	12.8	6	5	92	89	817963	807117	<0.2	1.8	1.8	1.8			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Rainy	Rough	15:31	7.2	Surface	1.0	0.2	44	23.5	23.5	8.0	8.0	28.0	28.0	92.2	92.4	6.7	6.7	9.6	6.8	4	10.5	4	5	84	89	818139	806174	<0.2	1.9	1.6	1.6		
						1.0	0.2	43	23.5	8.0	8.0	28.0	28.0	92.6	92.4	6.7	6.7	9.6	6.8	5	10.5	5	5	86	89	818139	806174	<0.2	1.6	1.6	1.6			
						3.6	0.1	53	23.5	8.1	8.1	24.0	24.0	91.5	91.5	6.8	6.8	9.9	6.8	6	10.5	6	5	88	89	818139	806174	<0.2	1.6	1.6	1.6			
					Middle	3.6	0.1	55	23.5	8.1	8.1	24.0	24.0	91.5	91.5	6.8	6.8	9.9	6.8	5	10.5	5	5	90	89	818139	806174	<0.2	1.4	1.4	1.4			
						6.2	0.0	41	23.5	8.0	8.0	25.3	25.3	92.2	92.2	6.8	6.8	12.0	6.8	6	10.5	6	5	92	89	818139	806174	<0.2	1.4	1.4	1.4			
						6.2	0.0	43	23.5	8.0	8.0	25.3	25.3	92.2	92.2	6.8	6.8	12.0	6.8	6	10.5	6	5	93	89	818139	806174	<0.2	1.4	1.4	1.4			
IM3	Rainy	Rough	15:22	7.6	Surface	1.0	0.2	68	23.5	23.5	8.1	8.1	28.7	28.7	94.2	94.2	6.8	6.8	11.1	6.8	8	9.2	8	7	85	89	818779	805570	<0.2	1.5	1.5	1.5		
						1.0	0.2	64	23.5	8.1	8.1	28.7	28.7	94.2	94.2	6.8	6.8	11.1	6.8	7	9.2	7	7	86	89	818779	805570	<0.2	1.5	1.5	1.5			
						3.8	0.2	63	23.5	8.0	8.0	23.9	23.9	90.4	90.4	6.7	6.7	7.4	6.7	8	9.2	8	7	88	89	818779	805570	<0.2	1.5	1.5	1.5			
					Middle	3.8	0.2	68	23.5	8.0	8.0	23.9	23.9	90.4	90.4	6.7	6.7	7.4	6.7	7	9.2	7	7	90	89	818779	805570	<0.2	1.5	1.5	1.5			
						6.6	0.1	87	23.5	8.1	8.1	26.3	26.3	90.6	90.6	6.6	6.6	9.2	6.6	7	9.2	7	7	91	89	818779	805570	<0.2	1.5	1.5	1.5			
						6.6	0.1	84	23.5	8.1	8.1	26.3	26.3	90.6	90.6	6.6	6.6	9.2	6.6	7	9.2	7	7	93	89	818779	805570	<0.2	1.5	1.5	1.5			
IM4	Rainy	Rough	15:15	7.5	Surface	1.0	0.8	64	23.5	23.5	8.1	8.1	28.1	28.1	90.0	90.0	6.5	6.5	7.9	6.6	4	9.1	4	5	84	89	819703	804594	<0.2	1.5	1.5	1.5		
						1.0	0.8	57	23.5	8.1	8.1	28.1	28.1	90.0	90.0	6.5	6.5	7.9	6.6	5	9.1	5	5	86	89	819703	804594	<0.2	1.5	1.5	1.5			
						3.8	0.5	64	23.5	8.1	8.1	24.0	24.0	90.2	90.2	6.7	6.7	10.1	6.7	4	9.1	4	5	88	89	819703	804594	<0.2	1.5	1.5	1.5			
					Middle	3.8	0.6	68	23.5	8.1	8.1	24.0	24.0	90.2	90.2	6.7	6.7	10.1	6.7	4	9.1	4	5	90	89	819703	804594	<0.2	1.4	1.4	1.4			
						6.5	0.6	81	23.5	8.1	8.1	24.6	24.6	90.2	90.2	6.7	6.7	9.2	6.7	5	9.1	5	5	92	89	819703	804594	<0.2	1.5	1.5	1.5			
						6.5	0.6	92	23.5	8.1	8.1	24.6	24.6	90.2	90.2	6.7	6.7	9.2	6.7	6	9.1	6	5	93	89	819703	804594	<0.2	1.4	1.4	1.4			
IM5	Rainy	Rough	15:08	7.4	Surface	1.0	0.9	45	23.5	23.5	8.1	8.1	28.4	28.4	90.1	90.1	6.5	6.5	8.2	6.6	4	9.3	4	4	84	89	820733	804867	<0.2	1.5	1.5	1.5		
						1.0	1.0	52	23.5	8.1	8.1	28.4	28.4	90.1	90.1	6.5	6.5	8.2	6.6	4	9.3	4	4	86	89	820733	804867	<0.2	1.5	1.5	1.5			
						3.7	0.9	44	23.5	8.1	8.1	23.8	23.8	90.5	90.5	6.7	6.7	8.7	6.7	5	9.3	5	4	88	89	820733	804867	<0.2	1.5	1.5	1.5			
					Middle	3.7	0.9	44	23.5</																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 April 19 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	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	15:12	6.8	Surface	1.0	0.3	12	23.1	23.1	7.9	7.9	21.7	21.7	94.0	94.0	7.1	7.1	6.3	6.3	2	2	89	89			<0.2	2.8						
						1.0	0.3	13	23.1	23.1	7.9	7.9	21.7	21.7	94.0	94.0	7.1	7.1	6.5	6.5	2	2	89	89			<0.2	3.0						
						3.4	0.2	18	23.1	23.1	7.9	7.9	23.2	23.2	95.1	95.3	7.1	7.1	2.1	2.1	3	3	92	92			<0.2	2.8						
					Middle	3.4	0.2	19	23.1	23.1	7.9	7.9	23.2	23.2	95.5	95.5	7.1	7.1	2.2	2.2	3	3	93	93			<0.2	2.7			2.8			
						5.8	0.0	36	22.7	22.7	7.8	7.8	23.5	23.5	97.8	97.9	7.4	7.4	5.5	5.5	4	4	95	95			<0.2	2.8			2.8			
						5.8	0.0	35	22.6	22.6	7.8	7.8	23.5	23.5	97.9	97.9	7.4	7.4	5.4	5.4	4	4	95	95			<0.2	2.8			2.8			
IM10	Rainy	Moderate	15:20	6.4	Surface	1.0	0.3	323	23.0	23.0	7.9	7.9	24.1	24.1	95.5	95.6	7.1	7.1	3.2	3.2	3	3	89	89			<0.2	2.4						
						1.0	0.3	331	23.0	23.0	7.9	7.9	24.1	24.1	95.7	95.7	7.2	7.2	3.2	3.2	3	3	90	90			<0.2	2.4			2.4			
						3.2	0.2	320	23.0	23.0	7.9	7.9	24.4	24.4	94.1	94.3	7.0	7.0	2.0	2.0	4	4	93	93			<0.2	2.4			2.4			
					Middle	3.2	0.3	324	23.0	23.0	7.9	7.9	24.4	24.4	94.4	94.3	7.0	7.0	2.0	2.0	3	3	93	93			<0.2	2.4			2.4			
						5.4	0.2	308	22.9	22.9	7.9	7.9	24.8	24.8	96.2	96.5	7.2	7.2	5.6	5.6	3	3	95	95			<0.2	2.4			2.4			
						5.4	0.2	311	22.8	22.8	7.9	7.9	24.8	24.8	96.7	96.5	7.2	7.2	5.8	5.8	3	3	96	96			<0.2	2.4			2.4			
IM11	Rainy	Moderate	15:30	8.3	Surface	1.0	0.3	275	23.0	23.0	7.9	7.9	24.6	24.6	94.6	94.7	7.1	7.1	5.7	5.7	3	3	89	89			<0.2	2.5			2.5			
						1.0	0.4	279	22.9	22.9	7.9	7.9	24.6	24.6	94.8	94.7	7.1	7.1	5.7	5.7	3	3	90	90			<0.2	2.5			2.5			
						4.2	0.2	300	22.9	22.9	7.9	7.9	25.0	25.0	95.8	95.9	7.1	7.1	3.1	3.1	4	4	93	93			<0.2	2.5			2.5			
					Middle	4.2	0.2	304	22.9	22.9	7.9	7.9	25.0	25.0	95.9	95.9	7.1	7.1	3.3	3.3	4	4	94	94			<0.2	2.5			2.5			
						7.3	0.1	335	22.6	22.6	7.9	7.9	25.5	25.5	96.5	96.7	7.2	7.2	5.0	5.0	4	4	95	95			<0.2	2.5			2.5			
						7.3	0.1	336	22.5	22.5	7.9	7.9	25.5	25.5	96.8	96.7	7.2	7.2	4.6	4.6	4	4	95	95			<0.2	2.4			2.4			
IM12	Rainy	Moderate	15:37	8.1	Surface	1.0	0.4	269	23.1	23.1	7.9	7.9	24.3	24.3	95.2	95.3	7.1	7.1	4.4	4.4	3	3	89	89			<0.2	2.1			2.1			
						1.0	0.4	266	23.1	23.1	7.9	7.9	24.3	24.3	95.3	95.3	7.1	7.1	4.6	4.6	3	3	89	89			<0.2	2.0			2.0			
						4.1	0.2	318	22.9	22.9	7.9	7.9	25.2	25.2	97.9	98.0	7.3	7.3	3.3	3.3	4	4	92	92			<0.2	2.0			2.1			
					Middle	4.1	0.2	320	22.8	22.8	7.9	7.9	25.2	25.2	98.0	98.0	7.3	7.3	3.2	3.2	5	5	93	93			<0.2	2.1			2.1			
						7.1	0.1	297	22.6	22.5	7.9	7.9	25.4	25.5	97.2	97.3	7.3	7.3	4.9	4.9	4	4	93	93			<0.2	2.2			2.2			
						7.1	0.1	301	22.4	22.4	7.9	7.9	25.5	25.5	97.4	97.3	7.3	7.3	4.7	4.7	5	5	94	94			<0.2	2.1			2.1			
SR1A	Rainy	Moderate	15:58	4.7	Surface	1.0	-	-	23.0	23.0	8.0	8.0	25.4	25.4	96.2	96.4	7.1	7.1	5.9	5.9	3	3	-	-			-	-	-	-	-			
						1.0	-	-	23.0	23.0	8.0	8.0	25.4	25.4	96.6	96.4	7.2	7.2	5.9	5.9	3	3	-	-	-	-	-	-	-	-	-			
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	-	-	22.8	22.8	7.9	7.9	25.7	25.7	98.0	98.1	7.3	7.3	9.1	9.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	-	-	22.7	22.7	7.9	7.9	25.7	25.7	98.1	98.1	7.3	7.3	9.1	9.1	4	4	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Rainy	Moderate	16:10	4.9	Surface	1.0	0.1	72	22.9	22.9	8.0	8.0	25.7	25.7	96.1	96.1	7.1	7.1	2.2	2.2	3	3	88	88			<0.2	2.0			2.0			
						1.0	0.1	78	22.9	22.9	8.0	8.0	25.7	25.7	96.1	96.1	7.1	7.1	2.4	2.4	3	3	89	89			<0.2	2.1			2.1			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.9	0.0	77	23.0	23.0	8.0	8.0	24.6	24.6	96.0	96.0	7.2	7.2	3.8	3.8	4	4	93	93			<0.2	2.0			2.0			
						3.9	0.0	85	23.0	23.0	8.0	8.0	24.6	24.6	95.9	96.0	7.1	7.1	3.7	3.7	5	5	93	93			<0.2	2.0			2.0			
SR3	Rainy	Moderate	14:58	8.6	Surface	1.0	0.6	16	23.0	23.0	7.9	7.9	21.7	21.7	94.0	94.0	7.1	7.1	3.0	3.0	4	4	-	-			-	-	-	-	-			
						1.0	0.6	13	23.0	23.0	7.9	7.9	21.7	21.7	93.9	94.0	7.1	7.1	3.0	3.0	4	4	-	-	-	-	-	-	-	-	-			
						4.3	0.3	21	23.1	23.1	7.9	7.9	23.5	23.5	94.4	94.6	7.1	7.1	4.7	4.7	6	6	-	-	-	-	-	-	-	-	-			
					Middle	4.3	0.4	24	23.1	23.1	7.9	7.9	23.5	23.5	94.7	94.6	7.1	7.1	4.9	4.9	6	6	-	-	-	-	-	-	-	-	-	-	-	
						7.6	0.3	21	23.0	23.0	7.9	7.9	24.2	24.2	94.4	94.8	7.0	7.1	5.4	5.4	6	6	-	-	-	-	-	-	-	-	-	-		
						7.6	0.3	21	23.0	23.0	7.9	7.9	24.2	24.2	95.1	94.8	7.1	7.1	5.4	5.4	6	6	-	-	-	-	-	-	-	-	-			
SR4A	Rainy	Moderate	16:22	9.1	Surface	1.0	0.3	267	23.5	23.5	8.1	8.1	27.8	27.8	91.9	91.9	6.7	6.7	10.1	10.1	5	5	-	-			-	-	-	-				
						1.0	0.3	277	23.5	23.5	8.1	8.1	27.8	27.8	91.9	91.9	6.7	6.7	10.1	10.1	5	5	-	-	-	-	-	-	-	-				
						4.6	0.3	252	23.5	23.5	8.1	8.1	28.8	28.8	92.9	92.9	6.7	6.7	11.5	11.5	6	6	-	-	-	-	-	-	-	-				
					Middle	4.6	0.3	273	23.5	23.5	8.1	8.1	28.8	28.8	92.9	92.9	6.7	6.7	11.5	11.5	5	5	-	-	-	-	-	-	-	-	-			
						8.1	0.1	265	23.5	23.5	8.2	8.2	29.6	29.6	98.3	98.3	7.1	7.1	10.3	10.3	6	6	-	-	-	-	-	-	-	-				
						8.1	0.1	285	23.5	23.5	8.2	8.2	29.6	29.6	98.3	98.3	7.1	7.1	10.3	10.3	5	5	-	-	-	-	-	-	-	-				
SR5A	Rainy	Moderate	16:54	4.6	Surface	1.0	0.3	283	23.5	23.5	8.2	8.2	28.8	28.8	95.5	95.7	6.9	6.9	9.1	9.1	6	6	-	-			-	-	-	-				
						1.0	0.3	287	23.5	23.5	8.2	8.2	28.8	28.8	95.9	95.7	6.9	6.9	9.1	9.1	6	6	-	-	-	-								

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 April 19 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	Value	DA	Value	DA
C1	Cloudy	Moderate	12:23	8.1	Surface	1.0	0.5	228	23.4	23.4	7.9	7.9	25.1	25.1	93.8	93.9	6.9	6.9	7.1	7.1	9	9	81	81	84	84	815617	804265	<0.2	1.5	<0.2	1.6		
						1.0	0.5	249	23.4	7.9	7.9	25.1	25.1	93.9	93.9	6.9	6.9	7.4	7.4	8	8	84	84	84	84	84	84	84	84	<0.2	1.7	<0.2	1.6	
						4.1	0.4	209	23.5	8.0	8.0	25.1	25.1	93.9	94.0	6.9	6.9	5.5	5.5	9	9	84	84	84	84	84	84	84	84	<0.2	1.7	<0.2	1.6	
					4.1	0.4	226	23.5	8.0	8.0	25.1	25.1	94.0	94.0	6.9	6.9	5.3	5.3	10	10	87	87	87	87	87	87	87	87	<0.2	1.6	<0.2	1.6		
					7.1	0.4	203	23.9	7.9	7.9	24.6	24.6	94.7	94.7	6.9	6.9	5.3	5.3	9	9	87	87	87	87	87	87	87	87	<0.2	1.6	<0.2	1.6		
					7.1	0.4	208	23.9	7.9	7.9	24.6	24.6	94.6	94.6	6.9	6.9	3.6	3.6	10	10	87	87	87	87	87	87	87	87	<0.2	1.6	<0.2	1.6		
C2	Rainy	Rough	13:26	11.2	Surface	1.0	1.0	172	23.9	23.9	8.2	8.2	21.2	21.2	96.1	96.2	7.2	7.2	8.3	8.3	5	5	83	83	84	84	825682	806939	<0.2	2.2	<0.2	2.3		
						1.0	1.0	176	23.9	8.2	8.2	21.2	21.2	96.3	96.3	7.2	7.2	8.2	8.2	5	5	84	84	84	84	84	84	84	84	<0.2	2.3	<0.2	2.3	
						5.6	0.6	163	23.9	8.2	8.2	21.2	21.2	97.3	97.5	7.3	7.3	8.5	8.5	4	4	87	87	87	87	87	87	87	87	<0.2	2.3	<0.2	2.0	
					5.6	0.7	177	23.9	8.2	8.2	21.2	21.2	97.7	97.7	7.3	7.3	8.7	8.7	5	5	88	88	88	88	88	88	88	88	<0.2	2.0	<0.2	2.2		
					10.2	0.2	139	23.7	8.2	8.2	21.3	21.3	99.9	100.1	7.5	7.5	6.9	6.9	7	7	89	89	89	89	89	89	89	89	<0.2	2.2	<0.2	2.2		
					10.2	0.2	149	23.7	8.2	8.2	21.3	21.3	100.2	100.2	7.5	7.5	6.9	6.9	6	6	89	89	89	89	89	89	89	89	<0.2	2.2	<0.2	2.2		
C3	Cloudy	Moderate	11:15	12.4	Surface	1.0	0.4	58	23.8	23.8	8.2	8.2	26.9	26.9	98.6	98.8	7.1	7.1	2.7	2.7	4	4	83	83	84	84	822102	817824	<0.2	2.1	<0.2	2.2		
						1.0	0.5	62	23.8	8.2	8.2	26.9	26.9	98.9	98.9	7.2	7.2	2.5	2.5	5	5	84	84	84	84	84	84	84	84	<0.2	2.2	<0.2	2.2	
						6.2	0.3	97	23.8	8.2	8.2	26.3	26.3	95.6	95.8	7.0	7.0	5.8	5.8	5	5	85	85	85	85	85	85	85	85	<0.2	2.3	<0.2	2.2	
					6.2	0.3	98	23.8	8.2	8.2	26.3	26.3	95.6	95.8	7.0	7.0	5.8	5.8	5	5	85	85	85	85	85	85	85	85	<0.2	2.2	<0.2	2.2		
					11.4	0.4	101	23.9	8.2	8.2	26.7	26.7	96.0	96.0	7.0	7.0	6.0	6.0	6	6	87	87	87	87	87	87	87	87	<0.2	2.2	<0.2	2.2		
					11.4	0.4	110	23.9	8.2	8.2	26.7	26.7	96.0	96.0	7.0	7.0	6.0	6.0	7	7	87	87	87	87	87	87	87	87	<0.2	2.2	<0.2	2.2		
IM1	Rainy	Moderate	12:34	5.2	Surface	1.0	0.2	183	23.4	23.4	7.8	7.8	25.4	25.4	94.0	94.0	6.9	6.9	4.9	4.9	10	10	81	81	82	82	817941	807126	<0.2	1.7	<0.2	1.6		
						1.0	0.2	185	23.4	7.8	7.8	25.4	25.4	93.9	93.9	6.9	6.9	4.9	4.9	10	10	82	82	82	82	82	82	82	82	<0.2	1.6	<0.2	1.7	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Rainy	Moderate	12:39	7.6	Surface	1.0	0.2	225	23.4	23.4	7.9	7.9	24.8	24.8	93.5	93.5	6.9	6.9	8.9	8.9	14	14	80	80	80	80	818172	806189	<0.2	1.6	<0.2	1.7		
						1.0	0.3	237	23.4	7.9	7.9	24.8	24.8	93.5	93.5	6.9	6.9	8.9	8.9	13	13	80	80	80	80	80	80	80	80	<0.2	1.7	<0.2	1.7	
						3.8	0.1	222	23.4	7.9	7.9	24.7	24.7	93.4	93.4	6.9	6.9	8.5	8.5	13	13	83	83	83	83	83	83	83	83	<0.2	1.7	<0.2	1.7	
IM3	Rainy	Moderate	12:45	7.3	Surface	1.0	0.3	208	23.4	23.4	7.9	7.9	25.1	25.1	93.5	93.5	6.9	6.9	7.9	7.9	13	13	80	80	80	80	818172	805610	<0.2	1.7	<0.2	1.7		
						1.0	0.3	213	23.4	7.9	7.9	25.1	25.1	93.5	93.5	6.9	6.9	8.0	8.0	12	12	80	80	80	80	80	80	80	80	<0.2	1.7	<0.2	1.7	
						3.7	0.2	172	23.4	7.8	7.8	25.1	25.1	93.4	93.4	6.9	6.9	7.7	7.7	13	13	83	83	83	83	83	83	83	83	<0.2	1.7	<0.2	1.7	
IM4	Rainy	Moderate	12:54	7.1	Surface	1.0	0.8	184	23.4	23.4	7.9	7.9	24.6	24.6	93.8	93.8	6.9	6.9	7.9	7.9	11	11	80	80	80	80	819747	804597	<0.2	1.6	<0.2	1.5		
						1.0	0.8	197	23.4	7.9	7.9	24.6	24.6	93.8	93.8	6.9	6.9	7.8	7.8	10	10	79	79	79	79	79	79	79	79	<0.2	1.5	<0.2	1.6	
						3.6	0.7	166	23.4	7.9	7.9	24.8	24.8	94.0	94.0	6.9	6.9	6.9	6.9	10	10	82	82	82	82	82	82	82	82	<0.2	1.6	<0.2	1.6	
IM5	Rainy	Moderate	13:07	6.8	Surface	1.0	0.9	249	23.6	23.6	7.9	7.9	24.1	24.1	94.4	94.5	7.0	7.0	7.3	7.3	8	8	80	80	80	80	820722	804878	<0.2	1.6	<0.2	1.6		
						1.0	0.9	272	23.6	7.9	7.9	24.1	24.1	94.5	94.5	7.0	7.0	7.4	7.4	9	9	79	79	79	79	79	79	79	79	<0.2	1.6	<0.2	1.6	
						3.4	0.8	232	23.5	7.9	7.9	23.9	23.9	94.3	94.3	7.0	7.0	5.9	5.9	10	10	83	83	83	83	83	83	83	83	<0.2	1.5	<0.2	1.5	
IM6	Rainy	Moderate	13:16	6.9	Surface	1.0	0.8	215	23.7	23.7	7.9	7.9	22.1	22.1	94.2	94.2	7.0	7.0	4.3	4.3	5	5	80	80	80	80	821062	805820	<0.2	1.6	<0.2	1.6		
						1.0	0.8	236	23.7	7.9	7.9	22.1	22.1	94.2	94.2	7.0	7.0	4.1	4.1	4	4	80	80	80	80	80	80	80	80	<0.2	1.5	<0.2	1.6	
						3.5	0.7	197	23.6	7.9	7.9	21.6	21.6	93.9	93.9	7.0	7.0	2.9	2.9	6	6	83	83	83	83	83	83	83	83	<0.2	1.6	<0.2	1.6	
IM7	Rainy	Moderate	13:22	7.4	Surface	1.0	0.8	221	23.6	23.6	7.9	7.9	23.0	23.0	94.1	94.1	7.0	7.0	5.1	5.1	7	7	79	79	79	79	821350	806848	<0.2	1.6	<0.2	1.6		
						1.0	0.9	232	23.6	7.9	7.9	23.0	23.0	94.1	94.1	7.0	7.0	5.1	5.1	7	7	78	78	78	78	78	78	78	78	<0.2	1.6	<0.2	1.6	
						3.7	0.8	206	23.6	7.9	7.9	22.1	22.1	94.5	94.6	7.1	7.1	3.8	3.8	5	5	82	82	82	82	82	82	82	82	<0.2	1.6	<0.2	1.5	
IM8	Cloudy	Moderate	12:51	7.6	Surface	1.0	0.1	232	23.7	23.7	8.2	8.2	21.6	21.6	97.9	98.0	7.3	7.3	4.7	4.7	4	4	84	84	84	84	821821	808148	<0.2	2.1	<0.2	2.0		
						1.0	0.1	239	23.7	8.2	8.2	21.6	21.6	98.0	98.1	7.3	7.3	4.3	4.3	5	5	84	84	84	84	84	84	84	84	<0.2	2.0	<0.2	2.0	
						3.8	0.1	187	23.8	8.2	8.2	21.6	21.6	98.0	98.1	7.3	7.3	5.9	5.9	5	5	87	87	87	87	87	87	87	87	<0.2	2.0	<0.2	2.0	
IM8	Cloudy	Moderate	12:51	7.6	Middle	3.8	0.1																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:45	7.2	Surface	1.0	0.2	114	23.8	23.8	8.2	8.2	21.5	21.5	96.1	96.1	7.2	7.2	9.4	6	84	86	822099	808822	<0.2	2.0	2.0					
						1.0	0.2	119	23.8	23.8	8.2	8.2	21.5	21.5	96.1	96.1	7.2	7.2	9.4	6	83	86	<0.2	2.1								
						3.6	0.3	113	23.8	23.8	8.2	8.2	21.5	21.5	95.9	95.9	7.2	7.2	8.4	4	87	86	<0.2	2.0								
					3.6	0.4	121	23.8	23.8	8.2	8.2	21.5	21.5	95.9	95.9	7.2	7.2	8.4	5	86	89	<0.2	2.1									
					6.2	0.3	99	23.8	23.8	8.2	8.2	21.5	21.5	96.6	96.7	7.2	7.2	6.2	5	88	89	<0.2	1.9									
					6.2	0.3	104	23.8	23.8	8.2	8.2	21.5	21.5	96.8	96.7	7.2	7.2	6.4	6	89	88	<0.2	2.0									
IM10	Cloudy	Moderate	12:36	7.4	Surface	1.0	0.5	117	23.9	23.9	8.2	8.2	21.0	21.0	97.2	97.3	7.3	7.3	4.9	4	84	87	822404	809798	<0.2	2.2	2.1					
						1.0	0.5	125	23.9	23.9	8.2	8.2	21.0	21.0	97.4	97.3	7.3	7.3	4.9	5	85	88	<0.2	2.0								
						3.7	0.6	122	23.9	23.9	8.2	8.2	20.9	20.9	96.9	97.0	7.3	7.3	9.0	4	87	88	<0.2	2.0								
					3.7	0.7	132	23.9	23.9	8.2	8.2	20.9	20.9	97.0	97.0	7.3	7.3	9.0	5	88	89	<0.2	2.1									
					6.4	0.6	102	23.9	23.9	8.2	8.2	21.1	21.1	96.6	96.7	7.2	7.2	5.0	5	89	88	<0.2	2.1									
					6.4	0.6	107	23.9	23.9	8.2	8.2	21.1	21.1	96.7	96.7	7.2	7.2	5.0	5	88	88	<0.2	2.0									
IM11	Cloudy	Moderate	12:25	7.6	Surface	1.0	0.7	126	23.9	23.9	8.2	8.2	21.6	21.6	96.1	96.1	7.2	7.2	8.0	6	83	86	822063	811443	<0.2	2.0	2.1					
						1.0	0.7	127	23.9	23.9	8.2	8.2	21.6	21.6	96.1	96.1	7.2	7.2	8.0	6	84	88	<0.2	2.2								
						3.8	0.6	118	23.9	23.9	8.2	8.2	21.4	21.4	95.3	95.3	7.1	7.1	7.6	7	85	87	<0.2	2.1								
					3.8	0.6	120	23.9	23.9	8.2	8.2	21.4	21.4	95.2	95.3	7.1	7.1	7.6	6	87	88	<0.2	2.1									
					6.6	0.3	109	23.9	23.9	8.2	8.2	21.3	21.3	95.7	95.8	7.1	7.1	8.1	6	87	88	<0.2	2.1									
					6.6	0.4	109	23.9	23.9	8.2	8.2	21.3	21.3	95.8	95.8	7.2	7.2	8.8	5	88	88	<0.2	2.2									
IM12	Cloudy	Moderate	12:15	8.2	Surface	1.0	0.6	105	23.9	23.9	8.2	8.2	21.4	21.4	94.8	94.8	7.1	7.1	7.7	6	84	85	821440	812037	<0.2	2.0	2.1					
						1.0	0.7	105	23.9	23.9	8.2	8.2	21.4	21.4	94.8	94.8	7.1	7.1	7.7	5	83	86	<0.2	2.0								
						4.1	0.7	107	23.9	23.9	8.2	8.2	21.5	21.5	95.4	95.4	7.1	7.1	5.0	6	85	87	<0.2	2.0								
					4.1	0.7	112	23.9	23.9	8.2	8.2	21.5	21.5	95.4	95.4	7.1	7.1	5.2	6	86	87	<0.2	2.0									
					7.2	0.5	104	23.9	23.9	8.2	8.2	21.4	21.4	94.8	94.9	7.1	7.1	6.1	6	87	87	<0.2	2.0									
					7.2	0.5	106	23.9	23.9	8.2	8.2	21.4	21.4	94.9	94.9	7.1	7.1	6.3	6	87	87	<0.2	2.1									
SR1A	Cloudy	Moderate	11:54	4.6	Surface	1.0	-	-	23.8	23.8	8.2	8.2	23.8	23.8	95.7	95.7	7.1	7.1	5.9	11	-	-	819975	812665	-	-	-					
						1.0	-	-	23.8	23.8	8.2	8.2	23.8	23.8	95.7	95.7	7.1	7.1	5.9	10	-	-	-	-	-	-						
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-			
					2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-			
					3.6	-	-	23.8	23.8	8.2	8.2	23.9	23.8	96.8	96.9	7.1	7.1	6.2	6	-	-	-	-	-	-	-		-				
					3.6	-	-	23.8	23.8	8.2	8.2	23.8	23.8	96.9	96.9	7.1	7.1	6.2	7	-	-	-	-	-	-	-		-	-			
SR2	Cloudy	Moderate	11:40	4.2	Surface	1.0	0.5	105	23.8	23.8	8.2	8.2	22.4	22.4	95.3	95.3	7.1	7.1	4.6	4	84	86	821460	814167	<0.2	2.0	2.1					
						1.0	0.6	112	23.8	23.8	8.2	8.2	22.4	22.4	95.3	95.3	7.1	7.1	4.6	4	85	86	<0.2	2.2								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-			
					3.2	0.3	112	23.9	23.9	8.2	8.2	22.4	22.4	96.2	96.3	7.1	7.2	9.0	12	87	87	<0.2	2.0									
					3.2	0.3	121	23.9	23.9	8.2	8.2	22.4	22.4	96.3	96.3	7.2	7.2	8.8	11	87	87	<0.2	2.2									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-			
SR3	Rainy	Rough	12:57	8.3	Surface	1.0	0.3	253	23.8	23.8	8.2	8.2	21.1	21.1	98.7	98.7	7.4	7.4	7.6	6	-	-	822130	807548	-	-	-					
						1.0	0.3	276	23.8	23.8	8.2	8.2	21.1	21.1	98.6	98.7	7.4	7.4	7.6	5	-	-	-	-								
						4.2	0.2	240	23.9	23.9	8.2	8.2	21.1	21.1	97.2	97.3	7.3	7.3	10.9	7	-	-	-	-								
					4.2	0.2	256	23.9	23.9	8.2	8.2	21.1	21.1	97.3	97.3	7.3	7.3	10.9	6	-	-	-	-									
					7.3	0.2	239	23.8	23.8	8.2	8.2	21.2	21.2	99.0	99.2	7.4	7.4	11.4	5	-	-	-	-									
					7.3	0.2	243	23.8	23.8	8.2	8.2	21.2	21.2	99.3	99.2	7.4	7.4	11.2	4	-	-	-	-									
SR4A	Cloudy	Calm	12:12	9.3	Surface	1.0	0.1	238	23.5	23.5	7.9	7.9	24.6	24.6	94.6	94.6	7.0	7.0	13.1	9	-	-	817176	807811	-	-	-					
						1.0	0.1	242	23.5	23.5	7.9	7.9	24.6	24.6	94.6	94.6	7.0	7.0	13.1	8	-	-	-	-								
						4.7	0.0	173	23.6	23.6	7.8	7.8	24.6	24.6	94.4	94.4	7.0	7.0	6.7	8	-	-	-	-								
					4.7	0.0	187	23.6	23.6	7.8	7.8	24.6	24.6	94.4	94.4	7.0	7.0	7.2	8	-	-	-	-									
					8.3	0.1	261	23.8	23.8	7.8	7.8	24.6	24.6	93.8	93.8	6.9	6.9	11.1	9	-	-	-	-									
					8.3	0.1	278	23.8	23.8	7.8	7.8	24.6	24.6	93.8	93.8	6.9	6.9	10.7	8	-	-	-	-									
SR5A	Cloudy	Calm	11:56	3.8	Surface	1.0	0.1	91	23.5	23.5	7.9	7.9	24.5	24.5	93.9	94.0	6.9	6.9	9.1	9	-	-	816588	810681	-	-	-					
						1.0	0.1	94	23.5	23.5	7.9	7.9	24.5	24.5	94.0	94.0	6.9	6.9	9.3	9	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-				
					2.8	0.1	58	23.7	23.7	8.1	8.1	24.4	24.4	93.0	93.0	6.9	6.9	8.1	8	-	-	-	-									
					2.8	0.1	61	23.7	23.7	8.1	8.1	24.4	24.4	93.0	93.0	6.9	6.9	7.5	9	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR6	Cloudy	Calm	11:25	4.3	Surface	1.0	0.1	81	23.6	23.6	7.9	7.9	23.7	23.7	93.7	93.8	6.9	6.9	4.1	4	-	-	817895	814639	-	-	-					
						1.0	0.1	82	23.6	23.6	7.9	7.9	23.7	23.7	93.8	93.8	7.0	7.0	4.1	3	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.3	0.0	300	23.7	23.7	7.8	7.8	23.7	23.7	94.2	94.2	7.0	7.0	6.0	4	-	-	-	-									
					3.3	0.0	313	23.7	23.7	7.8	7.8	23.7	23.7	94.2	94.2	7.0	7.0	5.5	5	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR7	Cloudy	Moderate	10:41	16.8	Surface	1.0	0.5	70	23.5	23.5	8.1	8.1	28.6	28.6	94.1	94.1	6.8	6.8	8.9</													

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Moderate	17:30	7.9	Surface	1.0	0.3	66	23.5	23.5	8.0	8.0	25.2	25.2	94.8	94.9	7.0	7.0	5.3	7.0	7	7	80	84	815634	804242	<0.2	1.6	1.7	1.7		
						1.0	0.3	67	23.5	8.0	8.0	25.2	25.2	94.9	94.9	7.0	7.0	5.5	7.0	7	7	81	84	815634	804242	<0.2	1.6	1.7	1.7			
						4.0	0.4	52	23.6	7.9	7.9	25.1	25.1	95.1	95.1	7.0	7.0	5.2	7.0	7	7	83	84	815634	804242	<0.2	1.6	1.7	1.7			
					Middle	4.0	0.4	50	23.6	7.9	7.9	25.1	25.1	95.1	95.1	7.0	7.0	5.2	7.0	7	7	83	84	815634	804242	<0.2	1.6	1.7	1.7			
						6.9	0.3	99	23.9	7.9	7.9	25.0	25.0	94.8	94.8	6.9	6.9	5.9	7.0	7	7	87	84	815634	804242	<0.2	1.6	1.7	1.7			
						6.9	0.3	96	24.0	7.9	7.9	24.9	24.9	94.8	94.8	6.9	6.9	5.7	7.0	7	7	86	84	815634	804242	<0.2	1.6	1.7	1.7			
C2	Rainy	Rough	16:47	11.4	Surface	1.0	0.8	14	23.9	23.9	8.2	8.2	21.2	21.2	95.6	95.7	7.2	7.2	10.0	7.0	10	10	84	84	825670	806921	<0.2	2.3	2.3	2.3		
						1.0	0.9	12	23.9	8.2	8.2	21.2	21.2	95.8	95.8	7.2	7.2	9.9	7.0	12	11	84	84	825670	806921	<0.2	2.3	2.3	2.3			
						5.7	0.5	14	23.8	8.2	8.2	21.2	21.2	97.2	97.5	7.3	7.3	8.0	7.0	12	11	88	87	825670	806921	<0.2	2.2	2.4	2.4			
					Middle	5.7	0.5	12	23.8	8.2	8.2	21.2	21.2	97.7	97.7	7.3	7.3	8.8	7.0	11	11	87	87	825670	806921	<0.2	2.1	2.1	2.1			
						10.4	0.1	15	23.6	8.2	8.2	21.3	21.3	99.5	99.7	7.5	7.5	5.9	7.0	12	11	89	89	825670	806921	<0.2	2.1	2.1	2.1			
						10.4	0.1	16	23.5	8.2	8.2	21.3	21.3	99.9	99.9	7.5	7.5	5.3	7.0	11	11	89	89	825670	806921	<0.2	2.2	2.2	2.2			
C3	Cloudy	Moderate	18:25	12.1	Surface	1.0	0.3	244	23.7	23.7	8.2	8.2	24.5	24.5	95.7	95.7	7.0	7.0	8.1	7.0	6	6	85	87	822111	817815	<0.2	1.9	2.0	2.1		
						1.0	0.3	244	23.7	8.2	8.2	24.5	24.5	95.7	95.7	7.0	7.0	8.1	7.0	7	7	84	87	822111	817815	<0.2	2.0	2.0	2.0			
						6.1	0.2	309	23.8	8.2	8.2	24.2	24.2	95.9	95.9	7.1	7.1	9.0	7.0	6	6	89	89	822111	817815	<0.2	2.1	2.1	2.1			
					Middle	6.1	0.2	315	23.8	8.2	8.2	24.2	24.2	95.9	95.9	7.1	7.1	9.3	7.0	8	8	89	89	822111	817815	<0.2	2.1	2.1	2.1			
						11.1	0.2	278	23.8	8.2	8.2	24.2	24.2	97.4	97.6	7.2	7.2	10.6	7.0	8	8	89	89	822111	817815	<0.2	2.1	2.1	2.1			
						11.1	0.2	286	23.7	8.2	8.2	24.2	24.2	97.8	97.8	7.2	7.2	10.1	7.0	10	10	90	90	822111	817815	<0.2	2.2	2.2	2.2			
IM1	Rainy	Moderate	17:21	5.1	Surface	1.0	0.2	67	23.4	23.4	7.9	7.9	25.1	25.1	95.0	95.0	7.0	7.0	9.4	7.0	8	8	83	83	817963	807151	<0.2	1.8	1.7	1.7		
						1.0	0.2	58	23.4	7.9	7.9	25.1	25.1	95.0	95.0	7.0	7.0	9.4	7.0	8	8	83	83	817963	807151	<0.2	1.6	1.6	1.6			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.1	0.1	68	23.4	23.4	7.9	7.9	25.2	25.2	95.4	95.4	7.0	7.0	5.8	7.0	9	9	88	88	817963	807151	<0.2	1.4	1.4	1.4		
						4.1	0.1	71	23.4	23.4	7.9	7.9	25.2	25.2	95.4	95.4	7.0	7.0	5.7	7.0	8	8	87	87	817963	807151	<0.2	1.8	1.8	1.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Rainy	Moderate	17:16	7.7	Surface	1.0	0.3	51	23.5	23.5	8.0	8.0	24.4	24.4	95.1	95.1	7.0	7.0	8.6	7.0	8	8	81	81	818158	806149	<0.2	1.7	1.7	1.7		
						1.0	0.3	54	23.5	8.0	8.0	24.4	24.4	95.1	95.1	7.0	7.0	8.3	7.0	9	9	81	81	818158	806149	<0.2	1.6	1.6	1.6			
						3.9	0.3	54	23.5	7.9	7.9	24.7	24.6	94.9	94.9	7.0	7.0	4.8	7.0	7	7	84	84	818158	806149	<0.2	1.7	1.7	1.7			
					Middle	3.9	0.3	55	23.5	7.9	7.9	24.6	24.6	94.9	94.9	7.0	7.0	4.7	7.0	7	7	84	84	818158	806149	<0.2	1.8	1.8	1.8			
						6.7	0.2	63	23.5	7.9	7.9	24.7	24.7	95.1	95.2	7.0	7.0	4.2	7.0	6	6	87	87	818158	806149	<0.2	1.7	1.7	1.7			
						6.7	0.2	64	23.5	7.9	7.9	24.7	24.7	95.2	95.2	7.0	7.0	4.2	7.0	7	7	87	87	818158	806149	<0.2	1.7	1.7	1.7			
IM3	Rainy	Moderate	17:09	7.4	Surface	1.0	0.5	57	23.5	23.5	8.0	8.0	23.8	23.8	94.2	94.2	7.0	7.0	9.2	7.0	12	12	81	81	818785	805581	<0.2	1.8	1.7	1.7		
						1.0	0.5	55	23.5	8.0	8.0	23.8	23.8	94.2	94.2	7.0	7.0	9.2	7.0	13	13	81	81	818785	805581	<0.2	1.7	1.7	1.7			
						3.7	0.3	48	23.4	8.0	8.0	24.9	24.9	93.9	93.9	6.9	6.9	10.1	7.0	18	18	84	84	818785	805581	<0.2	1.7	1.7	1.7			
					Middle	3.7	0.4	47	23.4	8.0	8.0	24.9	24.9	93.9	93.9	6.9	6.9	10.1	7.0	16	16	84	84	818785	805581	<0.2	1.6	1.6	1.6			
						6.4	0.2	44	23.4	7.9	7.9	25.1	25.1	94.1	94.2	6.9	6.9	13.9	7.0	21	21	87	87	818785	805581	<0.2	1.6	1.6	1.6			
						6.4	0.2	45	23.4	7.9	7.9	25.1	25.1	94.2	94.2	6.9	6.9	14.0	7.0	20	20	87	87	818785	805581	<0.2	1.6	1.6	1.6			
IM4	Rainy	Moderate	16:59	7.5	Surface	1.0	0.9	48	23.6	23.6	8.0	8.0	24.4	24.4	94.4	94.5	7.0	7.0	16.0	7.0	18	18	80	80	819713	804614	<0.2	1.9	1.9	1.9		
						1.0	0.9	45	23.6	8.0	8.0	24.4	24.4	94.5	94.5	7.0	7.0	15.8	7.0	19	19	80	80	819713	804614	<0.2	1.9	1.9	1.9			
						3.8	0.9	68	23.6	8.0	8.0	24.3	24.3	94.8	94.8	7.0	7.0	14.2	7.0	20	20	84	84	819713	804614	<0.2	1.8	1.8	1.8			
					Middle	3.8	1.0	75	23.6	8.0	8.0	24.3	24.3	94.8	94.8	7.0	7.0	14.2	7.0	19	19	84	84	819713	804614	<0.2	1.8	1.8	1.8			
						6.5	0.7	62	23.6	8.0	8.0	24.3	24.3	94.6	94.6	7.0	7.0	13.2	7.0	18	18	87	87	819713	804614	<0.2	1.9	1.9	1.9			
						6.5	0.7	68	23.6	8.0	8.0	24.3	24.3	94.6	94.6	7.0	7.0	13.1	7.0	19	19	87	87	819713	804614	<0.2	1.9	1.9	1.9			
IM5	Rainy	Moderate	16:53	7.1	Surface	1.0	0.9	21	23.8	23.8	7.9	7.9	22.7	22.7	94.9	94.9	7.0	7.0	4.4	7.0	8	8	80	80	820748	804848	<0.2	1.8	1.8	1.8		
						1.0	1.0	22	23.8	7.9	7.9	22.7	22.7	94.9	94.9	7.0	7.0	4.5	7.0	9	9	81	81	820748	804848	<0.2	1.8	1.8	1.8			
						3.6	0.8	22	23.6	7.9	7.9	23.2	23.2	94.1	94.2	7.0	7.0	6.2	7.0	10	10	83	83	820748	804848	<0.2	1.9	1.9	1.9			
					Middle	3.6	0.8	24	23.6	7.9	7.9	23.2	23.2	94.2	94.2	7.0	7.0	6.1	7.0	11	11	83	83	820748	804848	<0.2	1.8	1.8	1.8			
						6.1	0.7	26	23.6	7.9	7.9	23.1	23.1	94.4	94.4	7.0	7.0	4.9	7.0	10	10	86	86	820748	804848	<0.2	1.8	1.8	1.8			
						6.1	0.7	25	23.6	7.9	7.9	23.1	23.1	94.4	94.4	7.0	7.0	5.1														

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	17:27	7.0	Surface	1.0	0.4	345	24.0	24.0	8.2	8.2	21.4	21.4	96.7	96.7	7.2	7.2	6.2	6.2	12	12	84	84	822107	808811	<0.2	2.2	2.3	2.1		
						1.0	0.4	344	24.0	24.0	8.2	8.2	21.4	21.4	96.7	96.7	7.2	7.2	6.3	6.3	10	10	84	84			<0.2	2.2	2.1	2.1		
						3.5	0.3	333	24.0	24.0	8.2	8.2	21.4	21.4	96.6	96.6	7.2	7.2	10.0	10.0	11	11	87	87			<0.2	2.2	2.3	2.5		
					3.5	0.3	341	24.0	24.0	8.2	8.2	21.4	21.4	96.6	96.6	7.2	7.2	10.0	10.0	10	10	88	88			<0.2	2.2	2.3	2.5			
					6.0	0.2	281	23.7	23.7	8.2	8.2	21.6	21.6	100.1	100.2	7.5	7.5	4.5	4.5	11	11	87	87			<0.2	2.2	2.3	2.6			
					6.0	0.2	287	23.7	23.7	8.2	8.2	21.6	21.6	100.3	100.2	7.5	7.5	4.0	4.0	10	10	89	89			<0.2	2.2	2.3	2.4			
IM10	Rainy	Moderate	17:37	7.4	Surface	1.0	0.7	330	24.0	24.0	8.2	8.2	21.5	21.5	95.9	96.0	7.2	7.2	7.4	7.4	7	7	85	85	822373	809809	<0.2	2.2	2.3	2.3		
						1.0	0.8	335	24.0	24.0	8.2	8.2	21.5	21.5	96.0	96.0	7.2	7.2	8.3	8.3	6	6	85	85			<0.2	2.2	2.3	2.3		
						3.7	0.6	319	24.0	24.0	8.2	8.2	21.5	21.5	96.6	96.8	7.2	7.2	8.5	8.5	7	7	88	88			<0.2	2.2	2.3	2.3		
					3.7	0.7	327	24.0	24.0	8.2	8.2	21.5	21.5	97.0	96.8	7.2	7.2	8.9	8.9	6	6	87	87			<0.2	2.2	2.3	2.2			
					6.4	0.5	302	23.9	23.9	8.2	8.2	21.5	21.5	98.7	98.9	7.4	7.4	9.5	9.5	8	8	87	87			<0.2	2.2	2.3	2.2			
					6.4	0.6	299	23.9	23.9	8.2	8.2	21.5	21.5	99.1	98.9	7.4	7.4	9.5	9.5	8	8	89	89			<0.2	2.2	2.3	2.2			
IM11	Rainy	Moderate	17:45	7.8	Surface	1.0	0.6	262	24.0	24.0	8.2	8.2	21.7	21.7	95.2	95.2	7.1	7.1	7.1	7.1	7	7	84	84	822033	811457	<0.2	2.2	2.3	2.3		
						1.0	0.7	264	24.0	24.0	8.2	8.2	21.7	21.7	95.2	95.2	7.1	7.1	7.1	7.1	7	7	85	85			<0.2	2.2	2.3	2.3		
						3.9	0.7	274	24.0	24.0	8.2	8.2	21.6	21.6	95.1	95.1	7.1	7.1	7.7	7.7	7	7	88	88			<0.2	2.2	2.3	2.3		
					3.9	0.7	276	24.0	24.0	8.2	8.2	21.6	21.6	95.1	95.1	7.1	7.1	7.7	7.7	8	8	89	89			<0.2	2.2	2.3	2.1			
					6.8	0.5	275	24.0	24.0	8.2	8.2	21.7	21.7	95.6	95.8	7.1	7.1	8.0	8.0	7	7	88	88			<0.2	2.2	2.3	2.5			
					6.8	0.5	268	24.0	24.0	8.2	8.2	21.7	21.7	95.9	95.8	7.1	7.1	8.0	8.0	8	8	90	90			<0.2	2.2	2.3	2.2			
IM12	Rainy	Moderate	17:52	8.2	Surface	1.0	0.5	265	23.9	23.9	8.2	8.2	21.6	21.6	96.1	96.1	7.2	7.2	7.0	7.0	8	8	84	84	821478	812068	<0.2	2.3	2.3	2.3		
						1.0	0.5	267	23.9	23.9	8.2	8.2	21.6	21.6	96.1	96.1	7.2	7.2	6.9	6.9	8	8	84	84			<0.2	2.2	2.3	2.2		
						4.1	0.6	271	23.9	23.9	8.2	8.2	21.8	21.8	95.8	95.9	7.1	7.1	7.1	7.1	8	8	87	87			<0.2	2.3	2.3	2.3		
					4.1	0.6	265	23.9	23.9	8.2	8.2	21.8	21.8	96.0	96.0	7.1	7.1	7.1	7.1	10	10	87	87			<0.2	2.3	2.3	2.2			
					7.2	0.3	296	23.9	23.9	8.2	8.2	21.8	21.8	96.6	97.3	8.1	7.7	6.9	6.9	9	9	89	89			<0.2	2.2	2.3	2.2			
					7.2	0.3	301	23.9	23.9	8.2	8.2	21.7	21.7	97.9	97.3	7.3	7.3	6.7	6.7	8	8	89	89			<0.2	2.2	2.3	2.3			
SR1A	Cloudy	Moderate	18:04	4.7	Surface	1.0	-	-	23.9	23.9	8.2	8.2	22.1	22.1	97.5	97.6	7.2	7.2	6.4	6.4	8	8	-	-	819975	812659	-	-	-	-		
						1.0	-	-	23.9	23.9	8.2	8.2	22.1	22.1	97.6	97.6	7.2	7.2	6.4	6.4	7	7	-	-	-	-	-	-	-	-		
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	8	-	-	-	-	-	-
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.7	-	-	23.9	23.9	8.2	8.2	22.1	22.1	98.2	98.3	7.3	7.3	6.3	6.3	8	8	-	-	-	-	-	-	-	-	-	-	-
					3.7	-	-	23.9	23.9	8.2	8.2	22.1	22.1	98.3	98.3	7.3	7.3	6.2	6.2	8	8	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	18:05	4.3	Surface	1.0	0.4	296	23.9	23.9	8.2	8.2	22.1	22.1	97.1	97.2	7.2	7.2	6.1	6.1	11	11	84	84	821442	814166	<0.2	2.3	2.3	2.3		
						1.0	0.4	288	23.9	23.9	8.2	8.2	22.1	22.1	97.2	97.2	7.2	7.2	6.1	6.1	12	12	84	84			<0.2	2.2	2.3	2.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	9	-	-	<0.2	2.2	2.3	2.3
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.3	0.3	297	23.9	23.9	8.2	8.2	22.1	22.1	97.2	97.2	7.2	7.2	12.5	12.5	7	7	88	88			<0.2	2.2	2.3	2.1			
					3.3	0.3	281	23.9	23.9	8.2	8.2	22.1	22.1	97.1	97.2	7.2	7.2	12.5	12.5	7	7	88	88			<0.2	2.2	2.3	2.1			
SR3	Rainy	Rough	17:12	8.4	Surface	1.0	0.6	23	23.9	23.9	8.2	8.2	21.8	21.8	95.6	95.6	7.1	7.1	11.3	11.3	12	12	-	-	822138	807584	-	-	-	-		
						1.0	0.7	24	23.9	23.9	8.2	8.2	21.8	21.8	95.5	95.6	7.1	7.1	11.3	11.3	14	14	-	-	-	-	-	-	-	-		
						4.2	0.6	20	24.0	24.0	8.2	8.2	21.8	21.8	95.7	95.9	7.1	7.1	9.6	9.6	14	14	-	-	-	-	-	-	-	-		
					4.2	0.6	22	24.0	24.0	8.2	8.2	21.8	21.8	95.7	95.9	7.1	7.1	9.8	9.8	12	12	-	-	-	-	-	-	-	-	-		
					7.4	0.4	24	23.9	23.9	8.2	8.2	21.9	21.9	97.4	97.6	7.3	7.3	10.9	10.9	13	13	-	-	-	-	-	-	-	-			
					7.4	0.4	24	23.9	23.9	8.2	8.2	21.9	21.9	97.7	97.6	7.3	7.3	10.9	10.9	14	14	-	-	-	-	-	-	-	-			
SR4A	Rainy	Calm	17:44	8.6	Surface	1.0	0.6	239	23.5	23.5	7.9	7.9	24.8	24.8	94.3	94.3	6.9	6.9	6.8	6.8	12	12	-	-	817189	807791	-	-	-	-		
						1.0	0.6	257	23.5	23.5	7.9	7.9	24.8	24.8	94.3	94.3	6.9	6.9	6.7	6.7	12	12	-	-	-	-	-	-				
						4.3	0.6	233	23.6	23.6	7.9	7.9	24.7	24.7	94.6	94.7	7.0	7.0	7.5	7.5	10	10	-	-	-	-	-	-				
					4.3	0.6	239	23.6	23.6	7.9	7.9	24.7	24.7	94.7	94.7	7.0	7.0	7.5	7.5	9	9	-	-	-	-	-	-					
					7.6	0.4	237	23.7	23.7	7.9	7.9	25.0	25.0	95.5	95.5	7.0	7.0	5.9	5.9	10	10	-	-	-	-	-	-					
					7.6	0.4	248	23.7	23.7	7.9	7.9	25.0	25.0	95.5	95.5	7.0	7.0	6.0	6.0	10	10	-	-	-	-	-	-					
SR5A	Rainy	Calm	18:03	3.5	Surface	1.0	0.2	289	23.6	23.6	7.9	7.9	24.5	24.5	95.2	95.4	7.0	7.0	6.4	6.4	11	11	-	-	816594	810715	-	-	-	-		
						1.0	0.2	317	23.6	23.6	7.9	7.9	24.5	24.5	95.6	95.6	7.0	7.0	6.3	6.3	10	10	-	-	-	-	-					

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 April 19 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	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	12:40	8.2	Surface	1.0	0.4	170	24.4	24.4	8.4	8.4	23.9	23.9	98.1	98.1	7.2	7.1	12.8	15.0	13	15	83	88	815620	804248	<0.2	1.4	<0.2	1.6			
						1.0	0.4	175	24.4	24.4	8.4	8.4	23.9	23.9	98.0	98.0	7.2	7.1	12.9	15.0	14	15	83	88	815620	804248	<0.2	1.4	<0.2	1.5			
						4.1	0.3	168	24.4	24.4	8.4	8.4	24.3	24.3	96.8	96.8	7.0	7.0	11.4	15.0	15	15	88	88	815620	804248	<0.2	1.4	<0.2	1.4			
					Middle	4.1	0.4	169	24.4	24.4	8.4	8.4	24.3	24.3	96.8	96.8	7.0	7.0	11.4	15.0	14	15	88	88	815620	804248	<0.2	1.4	<0.2	1.5			
						7.2	0.3	159	24.4	24.4	8.4	8.4	25.2	25.2	96.4	96.4	7.0	7.0	20.8	17	17	17	91	91	815620	804248	<0.2	1.4	<0.2	1.4			
						7.2	0.3	164	24.4	24.4	8.4	8.4	25.2	25.2	96.4	96.4	7.0	7.0	20.9	17	17	17	92	92	815620	804248	<0.2	1.4	<0.2	1.4			
C2	Cloudy	Moderate	11:53	9.6	Surface	1.0	0.5	147	23.8	23.8	7.9	7.9	20.2	19.9	91.6	91.4	6.9	6.9	6.7	7.8	14	16	85	90	825661	806941	<0.2	2.4	<0.2	2.4			
						1.0	0.5	147	23.7	23.7	7.9	7.9	19.7	19.7	91.1	91.5	6.9	6.9	6.8	7.8	14	16	85	90	825661	806941	<0.2	2.4	<0.2	2.4			
						4.8	0.5	198	23.8	23.9	7.9	7.9	19.7	20.0	91.2	91.5	6.9	6.9	7.0	7.8	16	16	90	90	825661	806941	<0.2	2.4	<0.2	2.4			
					Middle	4.8	0.5	200	24.0	24.0	7.9	7.9	20.2	20.2	91.8	91.8	6.9	6.9	7.8	7.8	16	16	90	90	825661	806941	<0.2	2.4	<0.2	2.4			
						8.6	0.5	207	24.0	23.9	7.9	7.9	20.3	20.2	91.7	91.6	6.9	6.9	9.4	7.8	16	16	94	94	825661	806941	<0.2	2.3	<0.2	2.3			
						8.6	0.5	215	23.8	23.9	7.9	7.9	20.1	20.2	91.4	91.6	6.9	6.9	9.2	7.8	17	17	93	93	825661	806941	<0.2	2.4	<0.2	2.4			
C3	Rainy	Moderate	13:32	12.3	Surface	1.0	0.5	62	23.6	23.6	7.9	7.9	23.4	23.4	91.8	91.8	6.8	6.8	6.3	7.5	13	15	86	90	822107	817799	<0.2	1.9	<0.2	1.8			
						1.0	0.6	66	23.6	23.6	7.9	7.9	23.4	23.4	91.8	91.8	6.8	6.8	6.1	7.5	13	15	86	90	822107	817799	<0.2	1.8	<0.2	1.8			
						6.2	0.3	93	23.5	23.5	7.9	7.9	23.2	23.2	92.1	92.1	6.9	6.9	5.5	7.5	14	15	90	90	822107	817799	<0.2	1.8	<0.2	2.0			
					Middle	6.2	0.3	96	23.5	23.5	7.9	7.9	23.2	23.2	92.0	92.1	6.8	6.8	6.2	7.5	15	15	90	90	822107	817799	<0.2	2.0	<0.2	2.0			
						11.3	0.2	67	23.4	23.4	7.9	7.9	25.6	25.6	91.7	91.8	6.8	6.8	10.6	7.5	17	17	94	94	822107	817799	<0.2	2.0	<0.2	2.0			
						11.3	0.2	70	23.4	23.4	7.9	7.9	25.6	25.6	91.9	91.8	6.8	6.8	10.6	7.5	17	17	94	94	822107	817799	<0.2	2.0	<0.2	2.0			
IM1	Cloudy	Moderate	13:06	5.3	Surface	1.0	0.1	168	24.2	24.2	8.4	8.4	24.5	24.5	97.0	97.0	7.1	7.1	14.3	13.2	14	14	83	84	817935	807108	<0.2	2.0	<0.2	1.9			
						1.0	0.1	177	24.2	24.2	8.4	8.4	24.5	24.5	97.0	97.0	7.1	7.1	14.3	13.2	14	14	84	84	817935	807108	<0.2	1.9	<0.2	1.9			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.2	179	25.4	25.4	8.4	8.4	23.5	23.5	99.0	99.0	7.1	7.1	12.1	13.2	14	14	91	14	91	91	817935	807108	<0.2	2.0	<0.2	2.0	
						4.3	0.2	184	25.4	25.4	8.4	8.4	23.5	23.5	98.9	99.0	7.1	7.1	12.1	13.2	15	15	91	15	91	91	817935	807108	<0.2	2.0	<0.2	2.0	
IM2	Rainy	Moderate	13:11	7.8	Surface	1.0	0.1	147	24.2	24.2	8.4	8.4	24.0	24.0	98.6	98.6	7.2	7.2	10.2	14.2	12	14	83	88	818183	806169	<0.2	1.8	<0.2	1.8			
						1.0	0.1	149	24.2	24.2	8.4	8.4	24.1	24.0	98.6	98.6	7.2	7.2	10.2	14.2	13	14	83	88	818183	806169	<0.2	1.9	<0.2	1.8			
						3.9	0.2	171	24.2	24.2	8.4	8.4	24.0	24.0	98.5	98.5	7.2	7.2	14.0	14.2	14	14	88	88	818183	806169	<0.2	1.8	<0.2	1.8			
					Middle	3.9	0.2	178	24.2	24.2	8.4	8.4	24.0	24.0	98.5	98.5	7.2	7.2	14.1	14.2	14	14	88	88	818183	806169	<0.2	1.8	<0.2	1.8			
						6.8	0.2	179	24.1	24.1	8.4	8.4	24.6	24.6	97.1	97.1	7.1	7.1	18.4	14.2	15	15	92	15	92	92	818183	806169	<0.2	1.9	<0.2	1.9	
						6.8	0.2	186	24.1	24.1	8.4	8.4	24.6	24.6	97.1	97.1	7.1	7.1	18.4	14.2	16	16	93	16	93	93	818183	806169	<0.2	1.9	<0.2	1.9	
IM3	Rainy	Moderate	13:17	7.7	Surface	1.0	0.2	70	24.2	24.2	8.4	8.4	23.7	23.7	97.8	97.8	7.2	7.2	13.2	10.9	10	12	83	84	818783	805571	<0.2	2.2	<0.2	2.4			
						1.0	0.3	74	24.2	24.2	8.4	8.4	23.7	23.7	97.8	97.8	7.2	7.2	13.2	10.9	11	12	84	88	818783	805571	<0.2	2.4	<0.2	2.3			
						3.9	0.1	177	24.0	24.0	8.5	8.5	24.8	24.8	96.6	96.6	7.1	7.1	9.3	10.9	12	12	88	88	818783	805571	<0.2	2.3	<0.2	2.2			
					Middle	3.9	0.2	187	24.0	24.0	8.5	8.5	24.8	24.8	96.6	96.6	7.1	7.1	9.4	10.9	11	12	88	88	818783	805571	<0.2	2.2	<0.2	2.2			
						6.7	0.1	214	24.0	24.0	8.5	8.5	26.2	26.2	96.4	96.4	7.0	7.0	10.2	10.9	14	14	91	14	91	91	818783	805571	<0.2	2.3	<0.2	2.3	
						6.7	0.1	229	24.0	24.0	8.5	8.5	26.2	26.2	96.4	96.4	7.0	7.0	10.2	10.9	14	14	91	14	91	91	818783	805571	<0.2	2.2	<0.2	2.2	
IM4	Rainy	Moderate	13:25	7.6	Surface	1.0	0.1	125	24.1	24.1	8.5	8.5	24.2	24.2	98.3	98.3	7.2	7.2	9.1	14.8	16	21	83	87	819705	804613	<0.2	2.4	<0.2	2.4			
						1.0	0.1	128	24.1	24.1	8.5	8.5	24.2	24.2	98.2	98.2	7.2	7.2	9.1	14.8	15	21	87	88	819705	804613	<0.2	2.4	<0.2	2.4			
						3.8	0.2	129	23.9	23.9	8.5	8.5	26.0	26.0	97.2	97.2	7.1	7.1	21.8	14.8	22	21	88	88	819705	804613	<0.2	2.4	<0.2	2.2			
					Middle	3.8	0.2	140	23.9	23.9	8.5	8.5	26.0	26.0	97.2	97.2	7.1	7.1	21.9	14.8	23	21	88	88	819705	804613	<0.2	2.2	<0.2	2.2			
						6.6	0.2	168	23.9	23.9	8.5	8.5	26.9	26.9	97.2	97.3	7.0	7.0	13.6	14.8	23	21	91	23	91	91	819705	804613	<0.2	2.2	<0.2	2.2	
						6.6	0.2	181	23.9	23.9	8.5	8.5	26.8	26.9	97.3	97.3	7.0	7.0	13.7	14.8	24	21	91	24	91	91	819705	804613	<0.2	2.2	<0.2	2.2	
IM5	Rainy	Moderate	13:34	7.7	Surface	1.0	0.2	114	24.4	24.4	8.4	8.4	24.0	24.0	98.1	98.1	7.2	7.2	16.9	12.7	14	16	83	88	820726	804847	<0.2	2.6	<0.2	2.4			
						1.0	0.2	129	24.4	24.4	8.4	8.4	24.0	24.0	98.1	98.1	7.2	7.2	16.9	12.7	14	16	88	88	820726	804847	<0.2	2.4	<0.2	2.4			
						3.9	0.0	133	24.3	24.3	8.4	8.4	24.4	24.4	97.8	97.8	7.1	7.1	9.6	12.7	15	16	88	88	820								

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 April 19 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	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Cloudy	Moderate	12:22	8.7	Surface	1.0	0.4	143	23.6	23.6	7.9	7.9	20.4	20.4	90.9	91.0	6.9	6.9	5.2	9.2	9	11	86	90	822092	808813	<0.2	2.5	2.6	2.3			
						1.0	0.5	156	23.6	23.5	7.9	7.9	20.4	20.2	91.0	91.4	6.9	6.9	5.4	9.2	10	10	86	90	822092	808813	<0.2	2.4	2.6	2.3			
						4.4	0.4	117	23.5	23.5	7.9	7.9	20.2	20.2	91.3	91.4	6.9	6.9	5.1	9.2	10	10	90	91	822092	808813	<0.2	2.4	2.6	2.3			
					4.4	0.4	127	23.5	23.5	7.9	7.9	20.2	20.2	91.4	91.4	6.9	6.9	5.7	9.2	10	10	91	91	822092	808813	<0.2	2.4	2.6	2.3				
					7.7	0.4	103	23.5	23.5	7.9	7.9	23.4	23.4	91.6	91.7	6.8	6.8	17.0	13	13	13	94	94	822092	808813	<0.2	2.0	1.9	2.3				
					7.7	0.4	105	23.5	23.5	7.9	7.9	23.4	23.4	91.7	91.7	6.8	6.8	16.9	13	13	13	94	94	822092	808813	<0.2	2.0	1.9	2.3				
IM10	Cloudy	Moderate	12:28	8.4	Surface	1.0	0.8	133	23.5	23.5	7.9	7.9	21.3	21.3	90.9	91.0	6.8	6.9	5.3	6.5	10	12	86	90	822388	809783	<0.2	2.4	2.4	2.3			
						1.0	0.9	135	23.5	23.6	7.9	7.9	21.3	21.2	91.0	91.5	6.8	6.9	5.3	6.5	10	11	86	91	822388	809783	<0.2	2.4	2.4	2.3			
						4.2	0.7	115	23.6	23.6	7.9	7.9	21.2	21.2	91.5	91.5	6.9	6.9	5.9	6.5	11	10	91	90	822388	809783	<0.2	2.4	2.3	2.3			
					4.2	0.8	125	23.6	23.6	7.9	7.9	21.2	21.2	91.5	91.5	6.9	6.9	6.0	6.5	10	10	90	90	822388	809783	<0.2	2.3	2.3	2.3				
					7.4	0.6	103	23.5	23.5	7.9	7.9	23.0	23.0	91.3	91.4	6.8	6.8	8.1	6.5	14	14	94	94	822388	809783	<0.2	2.1	2.0	2.3				
					7.4	0.6	110	23.5	23.5	7.9	7.9	23.0	23.0	91.5	91.4	6.8	6.8	8.2	6.5	15	15	94	94	822388	809783	<0.2	2.0	2.0	2.3				
IM11	Cloudy	Moderate	12:40	7.8	Surface	1.0	0.8	101	23.6	23.6	7.9	7.9	21.8	21.8	91.4	91.5	6.8	6.9	11.4	14.7	21	22	85	90	822069	811479	<0.2	2.3	2.2	2.3			
						1.0	0.8	109	23.6	23.5	7.9	7.9	21.8	22.0	91.5	91.5	6.8	6.9	11.6	14.7	22	22	86	90	822069	811479	<0.2	2.2	2.2	2.3			
						3.9	0.7	111	23.5	23.5	7.9	7.9	22.0	22.0	92.2	92.3	6.9	6.9	15.7	14.7	21	22	90	91	822069	811479	<0.2	2.4	2.3	2.3			
					3.9	0.7	116	23.5	23.5	7.9	7.9	22.0	22.0	92.0	92.3	6.9	6.9	14.6	14.7	22	22	91	91	822069	811479	<0.2	2.3	2.3	2.3				
					6.8	0.6	112	23.4	23.4	7.9	7.9	22.1	22.1	91.5	91.5	6.9	6.9	17.6	14.7	23	22	94	94	822069	811479	<0.2	2.4	2.4	2.3				
					6.8	0.7	120	23.4	23.4	7.9	7.9	22.1	22.1	91.5	91.5	6.9	6.9	17.5	14.7	22	22	95	95	822069	811479	<0.2	2.4	2.4	2.3				
IM12	Rainy	Moderate	12:48	8.2	Surface	1.0	0.7	114	23.5	23.5	7.9	7.9	21.1	21.1	91.4	91.4	6.9	6.9	8.4	11.0	18	20	86	90	821445	812033	<0.2	2.4	2.3	2.2			
						1.0	0.8	123	23.5	23.6	7.9	7.9	21.1	21.7	91.4	91.5	6.9	6.9	8.2	11.0	19	18	90	90	821445	812033	<0.2	2.3	2.3	2.2			
						4.1	0.4	98	23.6	23.6	7.9	7.9	21.7	21.7	91.5	91.5	6.9	6.9	10.9	11.0	18	20	90	90	821445	812033	<0.2	2.1	2.2	2.2			
					4.1	0.4	99	23.6	23.6	7.9	7.9	21.7	21.7	91.5	91.5	6.9	6.9	10.9	11.0	19	20	90	90	821445	812033	<0.2	2.2	2.2	2.2				
					7.2	0.3	65	23.5	23.5	7.9	7.9	22.5	22.5	92.1	92.2	6.9	6.9	13.9	11.0	21	20	94	94	821445	812033	<0.2	2.2	2.2	2.2				
					7.2	0.4	66	23.5	23.5	7.9	7.9	22.5	22.5	92.2	92.2	6.9	6.9	13.7	11.0	22	20	94	94	821445	812033	<0.2	2.0	2.0	2.2				
SR1A	Rainy	Moderate	13:03	5.5	Surface	1.0	-	-	23.8	23.8	7.9	7.9	21.1	21.1	92.7	92.7	7.0	7.0	7.6	8.5	14	14	-	-	819977	812660	-	-	-	-			
						1.0	-	-	23.7	23.8	7.9	7.9	21.1	21.1	92.7	92.7	7.0	7.0	7.6	8.5	13	14	-	-	-	-	819977	812660	-	-	-	-	
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.5	-	-	23.6	23.6	7.9	7.9	21.1	21.1	93.0	93.1	7.0	7.0	9.1	8.5	15	14	-	-	-	-	-	-	-	-	-	-	-	-
					4.5	-	-	23.6	23.6	7.9	7.9	21.1	21.1	93.2	93.1	7.0	7.0	9.5	8.5	15	14	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Rainy	Moderate	13:14	4.4	Surface	1.0	0.8	96	23.6	23.6	7.9	7.9	22.3	22.3	92.2	92.2	6.9	6.9	7.8	8.5	18	18	86	86	821455	814166	<0.2	2.6	3.0	2.5			
						1.0	0.8	98	23.6	23.6	7.9	7.9	22.3	22.3	92.2	92.2	6.9	6.9	7.9	8.5	18	18	86	86	821455	814166	<0.2	2.6	3.0	2.5			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.4	0.6	92	23.6	23.6	7.9	7.9	22.6	22.6	92.3	92.4	6.9	6.9	9.2	8.5	18	18	91	90	86	86	821455	814166	<0.2	2.3	2.2	2.5		
					3.4	0.6	93	23.6	23.6	7.9	7.9	22.6	22.6	92.5	92.4	6.9	6.9	9.2	8.5	19	18	90	90	86	86	821455	814166	<0.2	2.3	2.2	2.5		
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR3	Cloudy	Moderate	12:09	8.6	Surface	1.0	0.1	210	23.6	23.6	7.9	7.9	20.4	20.4	89.8	89.8	6.8	6.8	5.8	8.0	12	17	-	-	822151	807551	-	-	-	-			
						1.0	0.1	224	23.6	23.6	7.9	7.9	20.4	20.4	89.8	89.8	6.8	6.8	5.7	8.0	13	17	-	-	-	-	822151	807551	-	-	-	-	
						4.3	0.1	172	23.7	23.7	7.9	7.9	19.9	19.9	90.4	90.6	6.8	6.8	5.1	8.0	16	17	-	-	-	-	822151	807551	-	-	-	-	
					4.3	0.1	176	23.7	23.7	7.9	7.9	19.9	19.9	90.7	90.6	6.8	6.8	5.0	8.0	16	17	-	-	-	-	822151	807551	-	-	-	-		
					7.6	0.1	91	23.5	23.5	7.9	7.9	23.0	23.0	92.2	92.3	6.9	6.9	12.7	8.0	22	17	-	-	-	-	822151	807551	-	-	-	-		
					7.6	0.1	94	23.5	23.5	7.9	7.9	23.0	23.0	92.4	92.3	6.9	6.9	13.9	8.0	23	17	-	-	-	-	822151	807551	-	-	-	-		
SR4A	Cloudy	Moderate	12:28	9.6	Surface	1.0	0.4	63	24.4	24.4	8.4	8.4	23.5	23.5	96.2	96.2	7.0	7.0	12.1	14.3	16	20	-	-	817192	807831	-	-	-	-			
						1.0	0.4	66	24.4	24.4	8.4	8.4	23.5	24.3	96.2	95.5	7.0	7.0	12.1	14.3	16	20	-	-	-	-	817192	807831	-	-	-	-	
						4.8	0.3	59	24.4	24.4	8.4	8.4	24.3	24.3	95.5	95.5	7.0	7.0	13.8	14.3	20	20	-	-	-	-	817192	807831	-	-	-	-	
					4.8	0.3	59	24.4	24.4	8.4	8.4	24.3	24.7	95.5	95.5	7.0	7.0	13.9	14.3	20	20	-	-	-	-	817192	807831	-	-	-	-		
					8.6	0.2	58	24.4	24.4	8.4	8.4	24.7	24.7	96.1	96.1	7.0	7.0	16.9	14.3	24	20	-	-	-	-	817192	807831	-	-				

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 April 19 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	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Rainy	Moderate	20:07	8.6	Surface	1.0	0.1	28	24.4	24.4	8.4	8.4	24.7	24.7	98.0	98.0	7.1	7.1	12.9	16	86	86	<0.2	1.6	89	815611	804235	<0.2	1.6	1.7						
						1.0	0.1	30	24.4	8.4	8.4	24.7	24.7	98.0	98.0	7.1	7.1	12.9	15	85	85	<0.2	1.6													
					Middle	4.3	0.1	99	24.4	24.4	8.4	8.4	24.7	24.7	98.0	98.0	7.1	7.1	13.8	20	87	87	<0.2	1.6												
						4.3	0.1	105	24.4	24.4	8.4	8.4	24.7	24.7	98.0	98.0	7.1	7.1	13.9	19	89	89	<0.2	1.6												
					Bottom	7.6	0.1	184	24.4	24.4	8.4	8.4	24.8	24.8	98.1	98.1	7.1	7.1	13.5	23	91	91	<0.2	1.6												
						7.6	0.1	193	24.4	24.4	8.4	8.4	24.8	24.8	98.1	98.1	7.1	7.1	13.5	24	93	93	<0.2	1.7												
C2	Cloudy	Moderate	20:56	11.5	Surface	1.0	0.1	102	23.5	23.5	7.9	7.9	20.5	20.5	92.0	92.0	6.9	6.9	10.4	16	87	87	<0.2	2.6	91	825689	806950	<0.2	2.6	2.6						
						1.0	0.1	106	23.5	23.5	7.9	7.9	20.5	20.5	92.0	92.0	7.0	7.0	10.5	15	88	88	<0.2	2.6												
					Middle	5.8	0.5	69	23.7	23.7	7.9	7.9	19.4	19.4	92.0	92.0	7.0	7.0	8.0	15	91	91	<0.2	2.8												
						5.8	0.5	74	23.7	23.7	7.9	7.9	19.4	19.4	92.0	92.0	7.0	7.0	8.7	16	91	91	<0.2	2.4												
					Bottom	10.5	0.6	52	23.5	23.5	7.9	7.9	20.9	20.9	91.6	91.6	6.9	6.9	14.0	16	95	95	<0.2	2.5												
						10.5	0.6	55	23.5	23.5	7.9	7.9	20.9	20.9	91.6	91.6	6.9	6.9	14.0	17	96	96	<0.2	2.4												
C3	Rainy	Moderate	19:01	10.8	Surface	1.0	0.3	256	23.3	23.3	7.9	7.9	26.5	26.5	91.0	91.0	6.7	6.7	2.4	7	87	87	<0.2	1.8	91	822088	817803	<0.2	1.8	2.1						
						1.0	0.3	271	23.3	23.3	7.9	7.9	26.5	26.5	90.9	90.9	6.7	6.7	2.4	8	88	88	<0.2	1.8												
					Middle	5.4	0.5	266	23.3	23.3	7.9	7.9	27.3	27.3	91.6	91.6	6.7	6.7	3.2	12	91	91	<0.2	2.5												
						5.4	0.5	285	23.3	23.3	7.9	7.9	27.3	27.3	91.6	91.6	6.7	6.7	3.6	13	91	91	<0.2	2.6												
					Bottom	9.8	0.3	277	23.2	23.2	7.9	7.9	28.5	28.5	90.5	90.5	6.6	6.6	7.5	15	95	95	<0.2	1.6												
						9.8	0.3	286	23.2	23.2	7.9	7.9	28.5	28.5	90.6	90.6	6.6	6.6	7.4	15	94	94	<0.2	2.1												
IM1	Rainy	Moderate	19:22	3.8	Surface	1.0	0.2	353	24.2	24.2	8.4	8.4	24.2	24.2	98.0	98.0	7.2	7.2	6.2	19	85	85	<0.2	1.6	89	817966	807112	<0.2	1.6	1.7						
						1.0	0.3	325	24.2	24.2	8.4	8.4	24.2	24.2	97.9	97.9	7.2	7.2	6.2	19	86	86	<0.2	1.6												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
					Bottom	2.8	0.1	209	24.2	24.2	8.4	8.4	24.4	24.4	97.7	97.7	7.1	7.1	8.9	21	91	91	<0.2	1.7												
						2.8	0.1	212	24.2	24.2	8.4	8.4	24.4	24.4	97.7	97.7	7.1	7.1	8.9	22	92	92	<0.2	1.9												
IM2	Rainy	Moderate	19:17	7.5	Surface	1.0	0.4	359	24.2	24.2	8.4	8.4	24.2	24.2	98.2	98.2	7.2	7.2	6.9	12	86	86	<0.2	1.6	89	818172	806172	<0.2	1.6	1.6						
						1.0	0.4	330	24.2	24.2	8.4	8.4	24.2	24.2	98.2	98.2	7.2	7.2	6.9	13	86	86	<0.2	1.6												
					Middle	3.8	0.2	27	24.2	24.2	8.4	8.4	24.2	24.2	98.0	98.0	7.2	7.2	6.6	15	89	89	<0.2	1.6												
						3.8	0.2	28	24.2	24.2	8.4	8.4	24.2	24.2	98.0	98.0	7.2	7.2	6.7	15	90	90	<0.2	1.6												
					Bottom	6.5	0.2	5	24.3	24.3	8.4	8.4	24.5	24.5	98.0	98.0	7.1	7.1	11.4	15	91	91	<0.2	1.6												
						6.5	0.2	5	24.3	24.3	8.4	8.4	24.5	24.5	97.9	97.9	7.1	7.1	11.3	16	91	91	<0.2	1.6												
IM3	Rainy	Moderate	19:08	8.1	Surface	1.0	0.4	38	24.1	24.1	8.4	8.4	23.3	23.2	97.5	97.5	7.2	7.2	9.3	14	84	84	<0.2	2.1	89	818792	805577	<0.2	2.1	1.8						
						1.0	0.4	38	24.1	24.1	8.4	8.4	23.2	23.2	97.5	97.5	7.2	7.2	9.3	15	86	86	<0.2	1.9												
					Middle	4.1	0.2	16	24.1	24.1	8.4	8.4	24.1	24.1	97.4	97.4	7.1	7.1	9.2	15	88	88	<0.2	1.8												
						4.1	0.2	16	24.1	24.1	8.4	8.4	24.1	24.1	97.4	97.4	7.1	7.1	9.2	15	90	90	<0.2	1.6												
					Bottom	7.1	0.1	42	24.0	24.0	8.5	8.5	26.1	26.1	96.7	96.8	7.0	7.0	10.7	19	91	91	<0.2	1.7												
						7.1	0.1	42	24.0	24.0	8.5	8.5	26.1	26.1	96.8	96.8	7.0	7.0	10.8	18	92	92	<0.2	1.9												
IM4	Rainy	Moderate	18:57	8.0	Surface	1.0	0.2	23	24.3	24.3	8.5	8.5	24.6	24.5	98.0	98.0	7.1	7.1	12.5	19	84	84	<0.2	2.8	89	819717	804586	<0.2	2.8	2.0						
						1.0	0.3	23	24.3	24.3	8.5	8.5	24.5	24.5	98.0	98.0	7.1	7.1	12.5	18	85	85	<0.2	1.8												
					Middle	4.0	0.3	15	24.3	24.3	8.5	8.5	25.4	25.4	98.1	98.1	7.1	7.1	15.2	22	87	87	<0.2	1.9												
						4.0	0.3	16	24.3	24.3	8.5	8.5	25.4	25.4	98.1	98.1	7.1	7.1	15.2	22	89	89	<0.2	2.0												
					Bottom	7.0	0.1	345	24.2	24.2	8.5	8.5	26.0	26.0	97.2	97.2	7.0	7.0	18.0	22	93	93	<0.2	1.8												
						7.0	0.2	355	24.2	24.2	8.5	8.5	26.0	26.0	97.2	97.2	7.0	7.0	18.0	22	94	94	<0.2	1.7												
IM5	Rainy	Moderate	18:46	7.8	Surface	1.0	0.5	3	24.4	24.4	8.4	8.4	23.7	23.7	98.2	98.2	7.2	7.2	6.4	19	83	83	<0.2	1.5	88	820722	804864	<0.2	1.5	1.5						
						1.0	0.5	3	24.4	24.4	8.4	8.4	23.7	23.7	98.2	98.2	7.2	7.2	6.4	20	84	84	<0.2	1.5												
					Middle	3.9	0.3	2	24.3	24.3	8.4	8.4	23.7	23.7	97.9	97.9	7.2	7.2	8.2	19	87	87	<0.2	1.4												
						3.9	0.4	2	24.3	24.3	8.4	8.4	23.7	23.7	97.9	97.9	7.2	7.2	8.2	20	88	88	<0.2	1.5												
					Bottom	6.8	0.3	36	24.2	24.2	8.5	8.5	25.7	25.7	97.6	97.6	7.1	7.1	15.0	21	92	92	<0.2	1.4												
						6.8	0.3	36	24.2	24.2	8.5	8.5	25.7	25.7	97.6	97.6	7.1	7.1	15.1	22	93	93	<0.2	1.5												
IM6	Rainy	Moderate	18:35	7.6	Surface	1.0	0.1	306	24.0	24.0	8.4	8.4	21.6	21.6	95.6	95.6	7.1	7.1	14.7	11	84	84	<0.2	1.6	89	821074	805840	<0.2	1.6	1.6						
						1.0	0.1	308	24.0	24.0	8.4	8.4	21.6	21.6	95.6	95.6	7.1	7.1	14.7	11	84	84	<0.2	1.6												
					Middle	3.8	0.1	35	24.0	24.0	8.4	8.4	22.1	22.1	95.8	95.9	7.1	7.1	8.2	14	88	88	<0.2	1.7												
						3.8	0.1	37	24.0	24.0	8.4	8.4	22.1	22.1	95.9	95.9	7.1	7.1	8.2	15	92	92	<0.2	1.7												
					Bottom	6.6	0.3	26	24.0	24.0	8.4	8.4	24.4	24.4	96.7	96.8	7.1	7.1	19.4	17	92	92	<0.2	1.6												
						6.6	0.3	28	24.0	24.0	8.4	8.4	24.4	24.4	96.8	96.8	7.1	7.1	19.3	16	93	93	<0.2	1.5												
IM7	Rainy	Moderate	18:29	7.9	Surface	1.0	0.2	315	23.9	23.9	8.3	8.3	18.4	18.4	95.0	95.1	7.2	7.2	8.0	11	83	83	<0.2	1.7	88											

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 April 19 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	Value	DA	Value	DA					
									Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Rainy	Moderate	20:23	7.6	Surface	1.0	0.2	64	23.4	23.4	7.9	7.9	19.8	19.8	90.0	90.1	6.8	6.8	6.4	6.4	11	11	88	88	92	822074	808789	<0.2	1.9	2.3	2.3								
						1.0	0.2	66	23.4	23.4	7.9	7.9	19.8	19.8	90.1	90.1	6.9	6.9	6.3	6.3	11	11	88	88	92	822074	808789	<0.2	1.9	2.3	2.3								
						3.8	0.3	62	23.4	23.4	7.9	7.9	19.8	19.8	90.4	90.5	6.9	6.9	6.3	6.3	12	12	91	91	92	822074	808789	<0.2	1.9	2.3	2.3								
					Middle	3.8	0.3	62	23.4	23.4	7.9	7.9	19.8	19.8	90.6	90.6	6.9	6.9	6.4	6.4	12	12	92	92	95	95	92	822074	808789	<0.2	1.9	2.3	2.3						
						6.6	0.3	64	23.3	23.3	7.9	7.9	21.9	21.9	91.5	91.6	6.9	6.9	19.0	19.0	14	14	95	95	95	95	92	822074	808789	<0.2	1.9	2.3	2.3						
						6.6	0.3	66	23.3	23.3	7.9	7.9	21.9	21.9	91.6	91.6	6.9	6.9	19.0	19.0	12	12	95	95	95	95	92	822074	808789	<0.2	1.9	2.3	2.3						
					IM10	Rainy	Moderate	20:16	8.4	Surface	1.0	0.4	72	23.4	23.4	7.9	7.9	21.1	21.1	89.8	89.8	6.8	6.8	9.7	9.7	16	16	87	87	92	822386	809775	<0.2	2.2	2.2	2.1			
											1.0	0.4	72	23.4	23.4	7.9	7.9	21.1	21.1	89.8	89.8	6.8	6.8	10.0	10.0	16	16	88	88	92	822386	809775	<0.2	2.2	2.2	2.1			
											4.2	0.3	35	23.3	23.3	7.9	7.9	20.6	20.6	90.3	90.5	6.8	6.8	10.9	10.9	18	18	92	92	92	822386	809775	<0.2	2.2	2.2	2.1			
Middle	4.2	0.3	36	23.3						23.3	7.9	7.9	20.6	20.6	90.6	90.5	6.8	6.8	10.2	10.2	17	17	91	91	92	92	92	822386	809775	<0.2	2.2	2.2	2.1						
	7.4	0.1	326	23.3						23.3	7.9	7.9	21.5	21.5	91.2	91.3	6.9	6.9	12.2	12.2	18	18	95	95	95	95	92	822386	809775	<0.2	2.0	2.0	2.0						
	7.4	0.1	337	23.3						23.3	7.9	7.9	21.5	21.5	91.3	91.3	6.9	6.9	12.4	12.4	19	19	96	96	95	95	92	822386	809775	<0.2	2.0	2.0	2.0						
IM11	Rainy	Moderate	20:03	8.9						Surface	1.0	0.3	283	23.3	23.3	7.9	7.9	24.0	24.0	91.4	91.4	6.8	6.8	11.5	11.5	13	13	87	87	92	822065	811483	<0.2	1.8	1.8	1.8			
											1.0	0.3	283	23.3	23.3	7.9	7.9	24.0	24.0	91.4	91.4	6.8	6.8	11.5	11.5	14	14	88	88	92	822065	811483	<0.2	1.7	1.7	1.8			
											4.5	0.2	276	23.3	23.3	7.9	7.9	23.9	23.9	91.7	91.8	6.8	6.8	13.4	13.4	17	17	91	91	92	822065	811483	<0.2	1.8	1.8	1.8			
					Middle	4.5	0.2	277	23.3	23.3	7.9	7.9	23.9	23.9	91.8	91.8	6.8	6.8	14.0	14.0	17	17	92	92	92	92	92	822065	811483	<0.2	1.7	1.7	1.8						
						7.9	0.2	165	23.4	23.4	7.9	7.9	24.0	24.0	92.0	92.1	6.8	6.8	17.6	17.6	20	20	95	95	95	95	92	822065	811483	<0.2	1.7	1.7	1.8						
						7.9	0.2	166	23.4	23.4	7.9	7.9	24.0	24.0	92.1	92.1	6.8	6.8	17.9	17.9	20	20	96	96	95	95	92	822065	811483	<0.2	1.7	1.7	1.8						
					IM12	Rainy	Moderate	19:56	8.3	Surface	1.0	0.2	269	23.4	23.4	7.9	7.9	23.9	23.9	91.5	91.5	6.8	6.8	7.3	7.3	13	13	87	87	92	821449	812023	<0.2	2.0	1.8	1.9			
											1.0	0.2	270	23.4	23.4	7.9	7.9	23.9	23.9	91.5	91.5	6.8	6.8	7.2	7.2	14	14	88	88	92	821449	812023	<0.2	1.8	1.8	1.9			
											4.2	0.2	276	23.5	23.5	7.9	7.9	23.8	23.8	91.8	91.8	6.8	6.8	7.2	7.2	17	17	92	92	92	821449	812023	<0.2	1.9	1.8	1.9			
Middle	4.2	0.3	299	23.5						23.5	7.9	7.9	23.8	23.8	91.8	91.8	6.8	6.8	7.9	7.9	16	16	92	92	92	92	92	821449	812023	<0.2	1.8	1.8	1.9						
	7.3	0.2	188	23.3						23.3	7.9	7.9	24.3	24.3	91.4	91.5	6.8	6.8	19.9	19.9	18	18	95	95	95	95	92	821449	812023	<0.2	1.8	1.8	1.9						
	7.3	0.2	192	23.3						23.3	7.9	7.9	24.3	24.3	91.5	91.5	6.8	6.8	19.9	19.9	19	19	96	96	95	95	92	821449	812023	<0.2	1.8	1.8	1.9						
SR1A	Rainy	Moderate	19:34	5.6						Surface	1.0	-	-	23.5	23.5	7.9	7.9	23.8	23.8	90.8	90.8	6.7	6.7	8.5	8.5	14	14	-	-	-	-	819977	812662	-	-	-	-		
											1.0	-	-	23.5	23.5	7.9	7.9	23.8	23.8	90.8	90.8	6.7	6.7	8.4	8.4	14	14	-	-	-	-	-	-	819977	812662	-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	-	-	-	-	-	-	-	-					
						4.6	-	-	23.5	23.5	7.9	7.9	24.0	24.0	90.6	90.6	6.7	6.7	11.1	11.1	18	18	-	-	-	-	-	-	-	-	-	-	-	-					
						4.6	-	-	23.5	23.5	7.9	7.9	24.0	24.0	90.6	90.6	6.7	6.7	11.0	11.0	18	18	-	-	-	-	-	-	-	-	-	-	-	-					
					SR2	Rainy	Moderate	19:20	4.6	Surface	1.0	0.1	111	23.4	23.4	7.9	7.9	23.8	23.8	90.7	90.8	6.7	6.7	7.9	7.9	15	15	88	88	89	821451	814158	<0.2	2.3	2.2	2.2			
											1.0	0.1	121	23.4	23.4	7.9	7.9	23.8	23.8	90.8	90.8	6.7	6.7	8.1	8.1	16	16	87	87	89	821451	814158	<0.2	2.2	2.2	2.2			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	17	-	-	-	-	-	-	-	-					
	3.6	0.2	323	23.5						23.5	7.9	7.9	23.9	23.9	91.1	91.1	6.8	6.8	9.5	9.5	18	18	91	91	91	91	92	821451	814158	<0.2	1.9	1.9	2.2						
	3.6	0.2	351	23.5						23.5	7.9	7.9	23.9	23.9	91.1	91.1	6.8	6.8	9.5	9.5	18	18	91	91	91	91	92	821451	814158	<0.2	1.9	1.9	2.2						
SR3	Rainy	Moderate	20:37	8.8						Surface	1.0	0.3	151	23.3	23.3	7.8	7.8	16.9	16.9	89.4	89.4	6.9	6.9	2.7	2.7	6	6	-	-	-	-	822137	807585	-	-	-	-		
											1.0	0.3	163	23.3	23.3	7.8	7.8	16.9	16.9	89.4	89.4	6.9	6.9	2.7	2.7	7	7	-	-	-	-	-	-	-	-	-	-	-	
											4.4	0.3	98	23.3	23.3	7.8	7.8	17.0	17.0	89.0	89.0	6.9	6.9	4.9	4.9	8	8	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.4	0.3	100	23.3	23.3	7.9	7.9	17.0	17.0	89.0	89.0	6.9	6.9	5.2	5.2	9	9	-	-	-	-	-	-	-	-	-	-	-	-					
						7.8	0.6	74	23.4	23.4	7.9	7.9	18.9	18.9	88.7	88.7	6.8	6.8	6.1	6.1	11	11	-	-	-	-	-	-	-	-	-	-	-	-					
						7.8	0.6	77	23.4	23.4	7.9	7.9	18.9	18.9	88.7	88.7	6.8	6.8	6.1	6.1	12	12	-	-	-	-	-	-	-	-	-	-	-	-					
					SR4A	Rainy	Moderate	20:33	7.9	Surface	1.0	0.4	84	24.3	24.3	8.4	8.4	24.8	24.8	97.6	97.6	7.1	7.1	9.4	9.4	20	20	-	-	-	-	817178	807831	-	-	-	-		
											1.0	0.4	88	24.3	24.3	8.4	8.4	24.8	24.8	97.6	97.6	7.1	7.1	9.4	9.4	20	20	-	-	-	-	-	-	-	-	-	-		
											4.0	0.5	90	24.3	24.3	8.4	8.4	24.8	24.8	96.9	96.9	7.1	7.1	10.4															

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	15:08	8.1	Surface	1.0	0.1	122	25.0	25.0	8.0	8.0	15.0	15.0	83.6	83.7	6.4	6.4	5.7	5.7	5	5	89	89			<0.2	3.8	3.6			
						1.0	0.1	147	25.0	25.0	8.0	8.0	15.0	15.0	83.8	84.0	6.4	6.4	5.6	5.6	6	6	89	89			<0.2	3.6				
						4.1	0.1	165	25.0	25.0	8.1	8.1	15.1	15.1	84.3	84.4	6.4	6.4	5.3	5.3	5	5	93	93			<0.2	3.5				
					4.1	0.1	166	25.0	25.0	8.1	8.1	15.1	15.1	84.5	84.5	6.4	6.4	5.3	5.3	6	6	93	93			<0.2	3.6					
					7.1	0.1	157	24.9	24.9	8.1	8.1	18.1	18.1	86.8	86.9	6.5	6.5	7.8	7.8	7	7	93	93			<0.2	3.4					
					7.1	0.1	157	24.9	24.9	8.1	8.1	18.1	18.1	87.0	87.0	6.5	6.5	7.9	7.9	8	8	94	94			<0.2	3.6					
C2	Sunny	Calm	13:56	8.1	Surface	1.0	0.4	119	23.9	23.9	7.7	7.7	13.3	13.3	81.0	81.1	6.3	6.3	3.2	3.2	2	2	83	83			<0.2	3.8	3.8			
						1.0	0.4	120	23.9	23.9	7.7	7.7	13.3	13.3	81.1	81.1	6.3	6.3	3.3	3.3	3	3	84	84			<0.2	3.9				
						4.1	0.4	152	23.9	23.9	7.7	7.7	14.9	14.9	85.4	85.6	6.6	6.6	12.2	12.2	2	2	88	88			<0.2	3.9				
					4.1	0.5	153	23.9	23.9	7.7	7.7	14.9	14.9	85.7	85.7	6.6	6.6	12.2	12.2	3	3	88	88			<0.2	3.8					
					7.1	0.3	158	24.2	24.2	7.7	7.7	11.9	11.9	83.9	83.9	6.6	6.6	2.0	2.0	3	3	91	91			<0.2	3.8					
					7.1	0.3	159	24.2	24.2	7.7	7.7	11.9	11.9	83.9	83.9	6.6	6.6	2.0	2.0	3	3	91	91			<0.2	3.8					
C3	Sunny	Calm	15:37	12.9	Surface	1.0	0.3	131	25.5	25.5	7.9	7.9	17.8	17.8	94.1	94.1	7.0	7.0	12.1	12.1	<2	<2	84	84			<0.2	3.2	3.0			
						1.0	0.3	136	25.4	25.4	7.9	7.9	17.8	17.8	94.0	94.0	7.0	7.0	12.2	12.2	<2	<2	84	84			<0.2	3.4				
						6.5	0.2	143	24.4	24.4	7.9	7.9	23.1	23.1	92.8	92.8	6.8	6.8	3.9	3.9	2	2	88	88			<0.2	3.4				
					6.5	0.3	144	24.4	24.4	7.9	7.9	23.2	23.2	92.8	92.8	6.8	6.8	4.0	4.0	2	2	88	88			<0.2	3.4					
					11.9	0.1	168	24.2	24.2	7.9	7.9	25.1	25.1	92.7	92.8	6.7	6.7	1.6	1.6	2	2	91	91			<0.2	2.2					
					11.9	0.1	174	24.2	24.2	7.9	7.9	25.1	25.1	92.9	92.9	6.8	6.8	1.6	1.6	3	3	91	91			<0.2	2.3					
IM1	Sunny	Moderate	14:48	5.8	Surface	1.0	0.2	238	27.1	27.1	8.0	8.0	15.3	15.3	89.5	89.3	6.5	6.5	4.0	4.0	3	3	89	89			<0.2	3.5	3.5			
						1.0	0.2	241	27.0	27.0	8.0	8.0	15.3	15.3	89.1	89.1	6.5	6.5	4.0	4.0	4	4	90	90			<0.2	3.5				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
					4.8	0.1	175	26.2	26.2	8.0	8.0	13.6	13.6	88.1	88.2	6.6	6.6	3.8	3.8	4	4	92	92			<0.2	3.6					
					4.8	0.1	182	26.1	26.1	8.0	8.0	13.6	13.6	88.3	88.3	6.6	6.6	3.7	3.7	4	4	93	93			<0.2	3.5					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
IM2	Sunny	Moderate	14:42	8.4	Surface	1.0	0.2	262	25.4	25.4	7.9	7.9	12.2	12.2	83.1	83.2	6.4	6.4	3.5	3.5	2	2	88	88			<0.2	3.5	3.6			
						1.0	0.2	263	25.4	25.4	7.9	7.9	12.2	12.2	83.3	83.3	6.4	6.4	3.6	3.6	4	4	89	89			<0.2	3.5				
						4.2	0.3	252	25.3	25.3	8.0	8.0	12.4	12.4	82.9	82.8	6.3	6.3	4.1	4.1	4	4	92	92			<0.2	3.6				
					4.2	0.3	253	25.3	25.3	8.0	8.0	12.4	12.4	82.7	82.7	6.3	6.3	4.2	4.2	3	3	93	93			<0.2	3.6					
					7.4	0.5	124	25.3	25.3	8.0	8.0	13.3	13.3	82.4	82.5	6.3	6.3	4.5	4.5	4	4	94	94			<0.2	3.5					
					7.4	0.5	124	25.3	25.3	8.0	8.0	13.3	13.3	82.5	82.5	6.3	6.3	4.6	4.6	5	5	94	94			<0.2	3.6					
IM3	Sunny	Moderate	14:35	8.3	Surface	1.0	0.4	222	25.4	25.4	7.9	7.9	10.8	10.8	79.8	79.9	6.2	6.2	3.9	3.9	<2	<2	89	89			<0.2	3.3	3.2			
						1.0	0.4	228	25.4	25.4	7.9	7.9	10.8	10.8	80.0	80.0	6.2	6.2	3.9	3.9	3	3	89	89			<0.2	3.3				
						4.2	0.5	228	25.4	25.5	7.9	7.9	10.9	10.9	81.7	82.0	6.3	6.3	4.0	4.0	3	3	92	92			<0.2	3.4				
					4.2	0.5	229	25.5	25.5	7.9	7.9	10.9	10.9	82.3	82.3	6.3	6.3	4.0	4.0	4	4	92	92			<0.2	3.0					
					7.3	0.4	120	25.5	25.5	8.0	8.0	13.9	13.9	85.7	86.0	6.5	6.5	3.7	3.7	5	5	94	94			<0.2	3.1					
					7.3	0.4	120	25.4	25.4	8.0	8.0	13.9	13.9	86.3	86.3	6.6	6.6	3.4	3.4	5	5	93	93			<0.2	3.0					
IM4	Sunny	Moderate	14:26	8.6	Surface	1.0	0.7	208	25.5	25.5	7.9	7.9	11.1	11.1	83.0	83.1	6.4	6.4	4.2	4.2	3	3	88	88			<0.2	2.8	3.2			
						1.0	0.7	208	25.4	25.4	8.0	8.0	11.1	11.1	83.2	83.2	6.4	6.4	4.2	4.2	4	4	89	89			<0.2	2.9				
						4.3	0.6	216	25.4	25.4	8.0	8.0	12.0	12.0	84.5	84.7	6.5	6.5	4.6	4.6	4	4	93	93			<0.2	3.1				
					4.3	0.7	227	25.4	25.4	8.0	8.0	12.0	12.0	84.9	84.7	6.5	6.5	4.6	4.6	4	4	94	94			<0.2	3.3					
					7.6	0.5	149	25.1	25.1	8.1	8.1	18.5	18.5	87.9	88.0	6.5	6.5	6.5	6.5	6	6	94	94			<0.2	3.4					
					7.6	0.6	153	25.1	25.1	8.1	8.1	18.5	18.5	88.1	88.1	6.6	6.6	5.9	5.9	5	5	94	94			<0.2	3.4					
IM5	Sunny	Moderate	14:15	8.3	Surface	1.0	0.9	222	24.6	24.6	7.9	7.9	12.0	12.0	80.3	80.4	6.2	6.2	5.0	5.0	3	3	88	88			<0.2	3.7	3.6			
						1.0	0.9	229	24.6	24.6	7.9	7.9	12.0	12.0	80.4	80.4	6.3	6.3	5.1	5.1	3	3	89	89			<0.2	3.6				
						4.2	0.8	214	24.6	24.6	8.0	8.0	11.9	11.9	81.4	81.6	6.3	6.3	4.6	4.6	4	4	90	90			<0.2	3.6				
					4.2	0.8	215	24.6	24.6	8.0	8.0	11.9	11.9	81.7	81.7	6.4	6.4	4.8	4.8	4	4	91	91			<0.2	3.6					
					7.3	0.6	165	24.7	24.7	8.0	8.0	14.5	14.5	84.5	84.7	6.5	6.5	6.2	6.2	6	6	94	94			<0.2	3.6					
					7.3	0.6	167	24.7	24.7	8.0	8.0	14.5	14.5	84.8	84.7	6.5	6.5	5.7	5.7	5	5	94	94			<0.2	3.5					
IM6	Sunny	Moderate	14:02	6.9	Surface	1.0	0.5	200	26.0	25.9	8.1	8.1	15.2	15.2	88.1	88.0	6.6	6.6	4.4	4.4	3	3	88	88			<0.2	3.9	3.9			
						1.0	0.6	211	25.8	25.8	8.1	8.1	15.2	15.2	87.9	87.9	6.6	6.6	4.4	4.4	4	4	88	88			<0.2	4.0				
						3.5	0.3	212	25.2	25.2	8.1	8.1	17.6	17.6	86.5	86.5	6.5	6.5	4.5	4.5	6	6	92	92			<0.2	4.1				
					3.5	0.3	208	25.1	25.1	8.1	8.1	17.6	17.6	86.5	86.5	6.5	6.5	4.6	4.6	7	7	92	92			<0.2	3.6					
					5.9	0.3	207	25.0	25.0	8.1	8.1	18.1	18.																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 19 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	Value	DA		
IM9	Sunny	Calm	14:26	7.9	Surface	1.0	0.3	179	24.3	24.3	7.7	7.7	11.8	11.8	83.7	83.9	6.6	6.6	13.2	6.6	2	4	83	87	822081	808814	<0.2	3.4	3.5					
						1.0	0.3	178	24.3	24.3	7.7	7.7	11.8	11.8	84.0	84.0	6.6	6.6	13.2	6.6	3	4	83	87	822081	808814	<0.2	3.6	3.5					
						4.0	0.5	181	24.2	24.2	7.7	7.7	12.7	12.7	83.4	83.5	6.5	6.5	5.2	6.5	2	4	85	87	822081	808814	<0.2	3.6	3.5					
					Middle	4.0	0.5	183	24.2	24.2	7.7	7.7	12.7	12.7	83.5	83.5	6.5	6.5	5.3	6.5	3	4	85	87	822081	808814	<0.2	3.4	3.5					
						6.9	0.4	173	24.2	24.2	7.7	7.7	15.3	15.3	83.8	83.8	6.4	6.4	4.3	6.4	5	6	91	87	822081	808814	<0.2	3.4	3.5					
						6.9	0.4	178	24.2	24.2	7.7	7.7	15.3	15.3	83.8	83.8	6.4	6.4	4.2	6.4	6	6	92	87	822081	808814	<0.2	3.4	3.5					
IM10	Sunny	Calm	14:32	7.8	Surface	1.0	0.4	58	24.3	24.3	7.7	7.7	11.3	11.3	82.6	82.8	6.5	6.5	5.4	6.5	3	4	83	90	822384	809771	<0.2	3.3	3.5					
						1.0	0.4	61	24.2	24.2	7.7	7.7	11.3	11.3	82.9	82.9	6.5	6.5	5.4	6.5	4	4	88	90	822384	809771	<0.2	3.3	3.5					
						3.9	0.3	46	24.2	24.2	7.7	7.7	11.9	11.9	84.6	84.7	6.6	6.6	3.8	6.6	3	4	91	90	822384	809771	<0.2	3.5	3.5					
					Middle	3.9	0.3	50	24.2	24.2	7.7	7.7	11.9	11.9	84.7	84.7	6.6	6.6	3.9	6.6	4	4	92	90	822384	809771	<0.2	3.8	3.5					
						6.8	0.2	44	24.3	24.3	7.7	7.7	13.4	13.4	82.8	82.9	6.4	6.4	3.5	6.4	6	6	92	90	822384	809771	<0.2	3.6	3.5					
						6.8	0.2	46	24.3	24.3	7.7	7.7	13.4	13.4	83.0	82.9	6.4	6.4	3.6	6.4	6	6	92	90	822384	809771	<0.2	3.7	3.5					
IM11	Sunny	Calm	14:43	8.1	Surface	1.0	0.2	62	24.7	24.7	7.8	7.8	16.9	16.9	89.6	89.7	6.8	6.8	13.5	6.8	3	6	83	88	822076	811471	<0.2	2.9	3.0					
						1.0	0.2	66	24.7	24.7	7.8	7.8	16.9	16.9	89.8	89.8	6.8	6.8	13.5	6.8	4	6	83	88	822076	811471	<0.2	3.1	3.0					
						4.1	0.1	69	24.1	24.1	7.8	7.8	19.0	19.0	89.1	89.1	6.7	6.7	15.4	6.7	6	6	88	88	822076	811471	<0.2	3.0	3.0					
					Middle	4.1	0.1	63	24.1	24.1	7.8	7.8	19.0	19.0	89.1	89.1	6.7	6.7	15.4	6.7	6	6	88	88	822076	811471	<0.2	3.1	3.0					
						7.1	0.1	39	24.0	24.0	7.8	7.8	20.6	20.6	86.7	86.7	6.5	6.5	7.4	6.5	7	6	91	88	822076	811471	<0.2	3.0	3.0					
						7.1	0.1	40	24.0	24.0	7.8	7.8	20.6	20.6	86.7	86.7	6.5	6.5	7.3	6.5	8	6	92	88	822076	811471	<0.2	3.0	3.0					
IM12	Sunny	Calm	14:50	7.7	Surface	1.0	0.1	89	24.9	24.9	7.8	7.8	16.9	16.9	90.6	90.6	6.8	6.8	15.3	6.8	4	6	83	88	821447	812058	<0.2	3.0	3.1					
						1.0	0.1	82	24.9	24.9	7.8	7.8	16.9	16.9	90.6	90.6	6.8	6.8	15.3	6.8	5	6	84	88	821447	812058	<0.2	3.0	3.1					
						3.9	0.1	96	24.1	24.1	7.9	7.9	20.6	20.6	87.1	87.1	6.5	6.5	4.6	6.5	6	6	88	88	821447	812058	<0.2	3.1	3.1					
					Middle	3.9	0.1	97	24.1	24.1	7.9	7.9	20.6	20.6	87.1	87.1	6.5	6.5	4.7	6.5	6	6	88	88	821447	812058	<0.2	3.0	3.1					
						6.7	0.1	102	23.9	23.9	7.9	7.9	22.4	22.4	89.1	89.2	6.6	6.6	8.4	6.6	8	6	92	88	821447	812058	<0.2	3.0	3.1					
						6.7	0.1	108	23.9	23.9	7.9	7.9	22.4	22.4	89.3	89.2	6.6	6.6	8.4	6.6	8	6	92	88	821447	812058	<0.2	3.0	3.1					
SR1A	Sunny	Calm	15:10	3.7	Surface	1.0	-	-	24.7	24.7	7.8	7.8	16.8	16.8	89.2	89.1	6.7	6.7	13.9	6.7	4	5	-	-	819978	812654	-	-	-					
						1.0	-	-	24.6	24.6	7.8	7.8	16.8	16.8	88.9	89.1	6.7	6.7	14.0	6.7	4	5	-	5	-	-	819978	812654	-	-	-			
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.7	-	-	24.3	24.3	7.8	7.8	19.0	19.0	91.3	91.5	6.9	6.9	9.6	6.9	5	6	-	6	-	-	-	-	-	-	-	-	-	
						2.7	-	-	24.3	24.3	7.8	7.8	19.0	19.0	91.7	91.5	6.9	6.9	9.6	6.9	6	6	-	6	-	-	-	-	-	-	-	-	-	-
SR2	Sunny	Calm	15:20	4.0	Surface	1.0	0.4	21	24.6	24.6	7.8	7.8	16.9	16.9	89.4	89.3	6.8	6.8	3.0	6.8	4	5	88	90	821477	814166	<0.2	2.7	2.8					
						1.0	0.4	22	24.6	24.6	7.8	7.8	16.9	16.9	89.1	89.3	6.7	6.7	3.1	6.7	4	5	88	90	821477	814166	<0.2	2.8	2.8					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.0	0.4	59	24.4	24.4	7.8	7.8	18.3	18.3	88.3	88.3	6.6	6.6	3.2	6.6	6	6	92	90	821477	814166	<0.2	2.8	2.8					
						3.0	0.4	55	24.4	24.4	7.8	7.8	18.3	18.3	88.3	88.3	6.6	6.6	3.0	6.6	7	6	93	90	821477	814166	<0.2	2.8	2.8					
SR3	Sunny	Calm	14:15	8.0	Surface	1.0	0.2	94	24.9	24.9	7.6	7.6	9.2	9.2	78.7	78.7	6.2	6.2	7.1	6.2	3	5	-	-	822153	807589	-	-	-					
						1.0	0.2	96	24.9	24.9	7.6	7.6	9.2	9.2	78.7	78.7	6.2	6.2	7.1	6.2	3	5	-	5	-	-	822153	807589	-	-	-			
						4.0	0.4	126	24.3	24.3	7.7	7.7	12.1	12.1	83.1	83.2	6.5	6.5	3.0	6.5	6	6	-	6	-	-	822153	807589	-	-	-			
					Middle	4.0	0.4	122	24.3	24.3	7.7	7.7	12.1	12.1	83.1	83.2	6.5	6.5	3.0	6.5	5	6	-	6	-	-	822153	807589	-	-	-	-	-	
						7.0	0.5	166	24.2	24.2	7.8	7.8	14.2	14.2	85.7	86.2	6.6	6.6	3.9	6.6	7	6	-	7	-	-	822153	807589	-	-	-	-	-	
						7.0	0.5	167	24.2	24.2	7.8	7.8	14.2	14.2	86.6	86.2	6.7	6.7	3.9	6.7	6	6	-	6	-	-	822153	807589	-	-	-	-	-	
SR4A	Sunny	Moderate	15:19	9.4	Surface	1.0	0.5	59	25.2	25.3	8.1	8.1	15.3	15.3	85.6	85.8	6.5	6.5	6.0	6.5	6	7	-	-	817194	807823	-	-	-					
						1.0	0.6	64	25.3	25.3	8.1	8.1	15.3	15.3	85.9	85.9	6.5	6.5	5.9	6.5	6	7	-	6	-	-	817194	807823	-	-	-			
						4.7	0.5	63	25.4	25.4	8.1	8.1	14.8	14.8	87.1	87.2	6.6	6.6	5.4	6.6	6	7	-	6	-	-	817194	807823	-	-	-			
					Middle	4.7	0.5	63	25.4	25.4	8.1	8.1	14.8	14.8	87.3	87.2	6.6	6.6	5.3	6.6	7	7	-	7	-	-	817194	807823	-	-	-	-	-	
						8.4	0.5	54	28.1	28.1	8.0	8.0	15.0	15.0	94.5	94.6	6.8	6.8	4.9	6.8	8	6	-	8	-	-	817194	807823	-	-	-	-	-	
						8.4	0.5	54	28.0	28.1	8.0	8.0	15.0	15.0	94.6	94.6	6.8	6.8	4.8	6.8	7													

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 19 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	Value	DA	Value	DA			
C1	Fine	Moderate	08:49	8.8	Surface	1.0	0.3	7	24.9	25.0	8.0	8.0	12.0	12.0	79.1	79.2	6.1	6.2	4.2	4.7	3	4	88	92	91	815622	804225	<0.2	3.0	<0.2	3.1						
						1.0	0.3	7	25.1	8.0	8.0	12.0	12.0	79.2	79.2	6.1	6.2	4.3	4.7	3	4	88	92	<0.2				3.2	<0.2	3.2							
					Middle	4.4	0.3	33	25.3	25.3	8.1	8.1	16.7	16.7	84.2	84.2	6.3	6.3	4.8	4.8	5	5	92	93				<0.2	3.2	<0.2	3.2						
						4.4	0.3	33	25.2	24.7	8.1	7.9	16.7	13.8	84.2	80.6	6.3	6.2	4.8	4.9	5	5	92	94				<0.2	3.1	<0.2	3.1						
					Bottom	7.8	0.4	53	24.7	24.7	7.9	7.9	13.8	13.8	80.7	80.7	6.2	6.2	4.9	4.9	5	5	92	94				<0.2	3.1	<0.2	3.1						
						7.8	0.4	53	24.7	24.7	7.9	7.9	13.8	13.8	80.7	80.7	6.2	6.2	4.9	4.9	5	5	92	94				<0.2	3.1	<0.2	3.1						
C2	Sunny	Moderate	10:20	8.7	Surface	1.0	0.4	15	24.2	24.2	7.7	7.7	10.9	10.9	81.4	81.4	6.4	6.4	2.4	2.8	3	4	83	88	88	825672	806962	<0.2	3.4	<0.2	3.4						
						1.0	0.5	15	24.2	7.7	7.7	10.9	10.9	81.4	81.4	6.4	6.4	2.5	2.8	3	4	84	88	<0.2				3.4	<0.2	3.4							
					Middle	4.4	0.4	355	24.1	24.1	7.7	7.7	13.1	13.1	81.3	81.3	6.3	6.3	2.0	2.0	4	4	88	91				<0.2	3.5	<0.2	3.5						
						4.4	0.5	327	24.1	24.1	7.7	7.7	13.1	13.1	81.3	81.3	6.3	6.3	2.0	2.0	4	4	88	91				<0.2	3.7	<0.2	3.7						
					Bottom	7.7	0.3	1	24.2	24.2	7.7	7.7	14.9	14.9	83.6	83.7	6.4	6.4	3.9	3.9	5	5	91	92				<0.2	3.6	<0.2	3.6						
						7.7	0.3	1	24.2	24.2	7.7	7.7	14.9	14.9	83.7	83.7	6.4	6.4	3.9	3.9	5	5	92	92				<0.2	3.6	<0.2	3.6						
C3	Sunny	Calm	08:35	10.4	Surface	1.0	0.5	249	24.5	24.5	7.8	7.8	15.1	15.1	84.5	84.5	6.5	6.5	1.8	4.2	2	3	83	88	88	822097	817804	<0.2	3.1	<0.2	3.1						
						1.0	0.5	268	24.5	24.5	7.8	7.8	15.1	15.1	84.5	84.5	6.5	6.5	1.8	4.2	2	3	83	88				<0.2	3.0	<0.2	3.0						
					Middle	5.2	0.8	254	24.4	24.4	7.8	7.8	16.1	16.1	84.5	84.6	6.5	6.5	2.2	2.3	4	4	88	92				<0.2	3.2	<0.2	3.2						
						5.2	0.8	269	24.4	24.5	7.8	7.8	16.1	16.5	84.7	85.1	6.5	6.5	2.3	2.3	4	4	88	92				<0.2	3.2	<0.2	3.2						
					Bottom	9.4	0.5	286	24.5	24.5	7.8	7.8	16.5	16.5	85.1	85.1	6.5	6.5	6.6	6.5	4	4	92	93				<0.2	3.1	<0.2	3.1						
						9.4	0.5	298	24.5	24.5	7.8	7.8	16.5	16.5	85.1	85.1	6.5	6.5	6.5	6.5	4	4	93	93				<0.2	3.4	<0.2	3.4						
IM1	Fine	Calm	08:57	5.6	Surface	1.0	0.6	13	25.0	25.0	7.9	7.9	12.3	12.3	81.2	81.3	6.3	6.3	3.4	3.3	4	5	89	91	91	817969	807118	<0.2	3.6	<0.2	3.6						
						1.0	0.6	13	25.0	25.0	7.9	7.9	12.3	12.3	81.4	81.4	6.3	6.3	3.4	3.3	4	5	89	91				<0.2	3.7	<0.2	3.7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-
					Bottom	4.6	0.1	277	25.1	25.1	8.0	8.0	12.5	12.5	83.6	83.8	6.4	6.4	3.3	3.3	6	5	92	93				<0.2	3.7	<0.2	3.7						
						4.6	0.1	302	25.1	25.1	8.0	8.0	12.5	12.5	83.9	83.8	6.4	6.4	3.3	3.3	6	5	93	93				<0.2	3.7	<0.2	3.8						
IM2	Fine	Moderate	09:03	7.9	Surface	1.0	0.5	18	25.0	25.0	7.9	7.9	12.1	12.1	80.3	80.4	6.2	6.3	3.6	3.6	4	5	89	92	92	818178	806158	<0.2	3.8	<0.2	3.8						
						1.0	0.5	18	25.0	24.9	7.9	8.0	12.1	12.0	80.4	81.7	6.2	6.3	3.6	3.8	5	5	89	92				<0.2	3.6	<0.2	3.6						
					Middle	4.0	0.4	6	24.9	24.9	8.0	8.0	12.0	12.0	81.6	81.7	6.3	6.3	3.8	3.8	4	5	92	93				<0.2	3.6	<0.2	3.6						
						4.0	0.4	6	24.8	24.7	8.0	8.0	12.0	14.9	81.7	83.4	6.3	6.4	3.8	3.4	5	6	92	94				<0.2	3.5	<0.2	3.5						
					Bottom	6.9	0.4	16	24.7	24.7	8.0	8.0	14.9	14.9	83.2	83.4	6.4	6.4	3.4	3.4	6	6	94	94				<0.2	3.6	<0.2	3.6						
						6.9	0.4	16	24.7	24.7	8.0	8.0	14.9	14.9	83.5	83.4	6.4	6.4	3.4	3.4	6	6	94	94				<0.2	3.6	<0.2	3.5						
IM3	Fine	Moderate	09:08	8.5	Surface	1.0	0.4	39	25.0	25.0	7.9	7.9	11.3	11.3	80.7	80.8	6.3	6.3	4.2	4.4	5	6	88	92	92	818806	805593	<0.2	3.6	<0.2	3.6						
						1.0	0.5	39	25.0	25.0	7.9	7.9	11.3	11.2	80.8	81.6	6.3	6.3	4.3	4.6	5	6	88	93				<0.2	3.6	<0.2	3.6						
					Middle	4.3	0.5	38	25.0	25.0	7.9	7.9	11.2	11.2	81.6	81.6	6.3	6.3	4.6	5.1	6	6	93	93				<0.2	3.6	<0.2	3.6						
						4.3	0.5	41	24.9	24.9	8.0	8.0	11.2	11.2	81.6	81.6	6.3	6.3	4.6	5.1	6	6	93	93				<0.2	3.6	<0.2	3.6						
					Bottom	7.5	0.4	24	24.7	24.7	8.0	8.0	14.4	14.4	82.7	82.8	6.3	6.4	4.0	4.0	8	8	94	94				<0.2	3.5	<0.2	3.5						
						7.5	0.4	25	24.7	24.7	8.0	8.0	14.4	14.4	82.9	82.8	6.3	6.4	4.1	4.1	7	7	95	95				<0.2	3.7	<0.2	3.7						
IM4	Fine	Moderate	09:13	8.2	Surface	1.0	0.5	18	24.6	24.6	8.0	8.0	13.4	13.4	79.5	79.6	6.1	6.2	4.0	4.0	5	6	89	93	93	819716	804591	<0.2	3.8	<0.2	3.8						
						1.0	0.6	18	24.6	24.6	8.0	8.0	13.4	13.6	79.6	80.1	6.1	6.2	4.0	4.2	5	6	89	93				<0.2	3.7	<0.2	3.7						
					Middle	4.1	0.5	10	24.6	24.6	8.0	8.0	13.6	13.6	80.1	80.2	6.2	6.2	4.2	4.2	6	6	93	94				<0.2	3.5	<0.2	3.5						
						4.1	0.6	10	24.6	24.6	8.0	8.0	13.6	13.6	80.3	80.2	6.2	6.2	4.2	4.2	6	6	94	94				<0.2	3.4	<0.2	3.4						
					Bottom	7.2	0.3	352	24.7	24.7	8.0	8.0	15.6	15.6	80.9	81.0	6.2	6.2	3.7	3.7	7	7	95	95				<0.2	3.5	<0.2	3.5						
						7.2	0.4	324	24.7	24.7	8.0	8.0	15.6	15.6	81.1	81.0	6.2	6.2	3.7	3.7	6	6	95	95				<0.2	3.8	<0.2	3.8						
IM5	Fine	Moderate	09:21	8.6	Surface	1.0	0.7	9	24.8	24.8	8.0	8.0	14.1	14.1	80.5	80.5	6.2	6.2	3.8	3.9	5	5	89	92	92	820738	804853	<0.2	3.6	<0.2	3.6						
						1.0	0.7	9	24.8	24.8	8.0	8.0	14.1	14.1	80.5	80.5	6.2	6.2	3.7	3.7	5	5	88	93				<0.2	3.6	<0.2	3.6						
					Middle	4.3	0.8	11	24.8	24.8	8.0	8.0	13.8	13.8	81.3	81.5	6.2	6.3	4.1	4.1	4	5	93	93				<0.2	3.7	<0.2	3.7						
						4.3	0.8	11	24.8	24.8	8.0	8.0	13.8	13.8	81.7	81.5	6.3	6.3	4.1	4.1	6	5	93	94				<0.2	3.6	<0.2	3.6						
					Bottom	7.6	0.5	351	25.0	25.0	8.0	8.0	16.1	16.1	84.7	84.8	6.4	6.4	3.8	4.0	5	5	94	94				<0.2	3.6	<0.2	3.6						
						7.6	0.5	323	25.0	25.0	8.0	8.0	16.1	16.1	84.9	84.8	6.4	6.4	4.0	4.0	5	5	94	94				<0.2	3.6	<0.2	3.6						
IM6	Fine	Moderate	09:29	7.8	Surface	1.0	1.2	31	24.7	24.7	8.1	8.1	15.5	15.5	81.7	81.8	6.2	6.3	3.9	3.9	4																

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 19 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	Value	DA	Value	DA							
IM9	Sunny	Moderate	09:50	7.9	Surface	1.0	0.2	77	24.3	24.3	7.6	7.6	11.6	11.6	82.0	82.0	6.4	6.4	1.9	4	83			<0.2	3.2	88	822093	808807	<0.2	3.2	3.4										
						1.0	0.2	82	24.3	7.6	7.6	11.6	11.6	82.0	82.0	6.4	6.4	1.9	4	84			<0.2	3.5																	
						4.0	0.2	77	24.3	7.7	7.7	11.6	11.6	81.8	81.8	6.4	6.4	2.4	4	88			<0.2	3.4																	
					Middle	4.0	0.3	83	24.3	7.7	7.7	11.6	11.6	81.9	81.9	6.4	6.4	2.5	5	88			<0.2	3.6																	
						6.9	0.1	90	24.3	7.7	7.7	12.2	12.2	82.1	82.2	6.4	6.4	11.6	5	91			<0.2	3.4																	
						6.9	0.1	94	24.3	7.7	7.7	12.2	12.2	82.3	82.2	6.4	6.4	11.6	5	92			<0.2	3.5																	
					IM10	Sunny	Moderate	09:42	8.7	Surface	1.0	0.8	311	24.4	24.4	7.8	7.8	14.6	14.6	86.4	86.5	6.6	6.7	1.2	3					79				<0.2	3.0	87	822374	809774	<0.2	2.9	2.9
											1.0	0.8	313	24.4	7.8	7.8	14.6	14.6	86.5	86.5	6.6	6.7	1.2	4	84								<0.2	2.9							
											4.4	0.8	307	24.3	7.8	7.8	15.4	15.4	85.6	85.6	6.6	6.6	3.9	4	87								<0.2	2.8							
Middle	4.4	0.8	322	24.3						7.8	7.8	15.4	15.4	85.5	85.6	6.6	6.6	3.9	3	89			<0.2	3.0																	
	7.7	0.6	318	24.3						7.8	7.8	15.4	15.4	85.5	85.6	6.6	6.6	4.2	6	91			<0.2	2.8																	
	7.7	0.7	333	24.3						7.8	7.8	15.4	15.4	85.6	85.6	6.6	6.6	4.2	6	91			<0.2	2.8																	
IM11	Sunny	Moderate	09:33	8.3						Surface	1.0	0.6	279	24.3	24.3	7.8	7.8	14.8	14.8	86.5	86.6	6.7	6.7	1.1	3	83			<0.2	2.9	87	822060	811471	<0.2	3.0					3.0	
											1.0	0.6	282	24.3	7.8	7.8	14.8	14.8	86.6	86.6	6.7	6.7	1.1	3	84			<0.2	3.0												
											4.2	0.5	290	24.2	7.8	7.8	16.6	16.6	87.0	87.0	6.6	6.6	7.6	3	87			<0.2	2.8												
					Middle	4.2	0.5	302	24.2	7.8	7.8	16.6	16.6	87.0	87.0	6.6	6.6	7.7	4	87			<0.2	3.0																	
						7.3	0.2	310	24.1	7.8	7.8	18.4	18.4	86.7	86.9	6.6	6.6	18.2	6	91			<0.2	3.0																	
						7.3	0.2	313	24.1	7.8	7.8	18.4	18.4	87.1	86.9	6.6	6.6	18.2	6	91			<0.2	3.0																	
					IM12	Sunny	Calm	09:27	7.9	Surface	1.0	0.7	261	24.2	24.2	7.8	7.8	15.7	15.7	86.2	86.2	6.6	6.6	5.8	3	83			<0.2	3.3					87	821473	812059	<0.2	3.1		3.2
											1.0	0.7	280	24.2	7.8	7.8	15.7	15.7	86.2	86.2	6.6	6.6	5.8	4	83			<0.2	3.1												
											4.0	0.5	264	24.2	7.8	7.8	17.6	17.6	86.5	86.5	6.6	6.6	8.8	4	87			<0.2	3.3												
Middle	4.0	0.6	271	24.1						7.8	7.8	17.6	17.6	86.4	86.5	6.6	6.6	8.7	6	87			<0.2	3.2																	
	6.9	0.3	302	24.2						7.8	7.8	19.4	19.4	85.6	85.7	6.4	6.4	11.4	9	91			<0.2	3.3																	
	6.9	0.4	323	24.2						7.8	7.8	19.4	19.4	85.7	85.7	6.4	6.4	11.5	8	92			<0.2	3.2																	
SR1A	Sunny	Calm	09:07	4.6						Surface	1.0	-	-	24.5	24.5	7.8	7.8	13.9	13.9	88.2	88.2	6.8	6.8	7.3	5	-			-	-	-	819973	812654	-					-	-	
											1.0	-	-	24.5	7.8	7.8	13.9	13.9	88.2	88.2	6.8	6.8	7.4	4	-			-	-												
											2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-		
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-				
						3.6	-	-	24.5	7.8	7.8	15.4	15.4	88.5	88.6	6.8	6.8	10.3	5	-			-	-																	
						3.6	-	-	24.5	7.8	7.8	15.4	15.4	88.6	88.6	6.8	6.8	10.3	4	-			-	-																	
					SR2	Sunny	Calm	08:53	5.2	Surface	1.0	0.8	326	24.3	24.3	7.8	7.8	16.3	16.3	87.1	87.1	6.7	6.7	2.4	4	83			<0.2	3.2					86	821448	814173	<0.2	3.3		3.3
											1.0	0.8	337	24.3	7.8	7.8	16.3	16.3	87.1	87.1	6.7	6.7	2.5	4	84			<0.2	3.3												
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	4.2	0.4	342	24.3						7.8	7.8	17.7	17.7	87.2	87.3	6.6	6.6	2.7	5	88			<0.2	3.2																	
	4.2	0.4	358	24.3						7.8	7.8	17.7	17.7	87.3	87.3	6.6	6.6	2.7	6	89			<0.2	3.4																	
SR3	Sunny	Moderate	10:02	9.8						Surface	1.0	0.0	264	23.9	23.9	7.6	7.6	11.1	11.1	79.3	79.4	6.3	6.3	2.4	5	-			-	-	-	822136	807581	-					-	-	
											1.0	0.0	268	23.9	7.6	7.6	11.1	11.1	79.4	79.4	6.3	6.3	2.4	5	-			-	-												
											4.9	0.3	104	24.1	7.7	7.7	13.0	13.0	82.8	82.9	6.5	6.5	3.5	5	-			-	-												
					Middle	4.9	0.4	108	24.0	7.7	7.7	13.0	13.0	83.0	82.9	6.5	6.5	3.5	6	-			-	-																	
						8.8	0.5	77	24.0	7.7	7.7	13.0	13.0	83.3	83.4	6.5	6.5	3.6	6	-			-	-																	
						8.8	0.5	84	24.0	7.7	7.7	13.0	13.0	83.5	83.4	6.5	6.5	3.6	6	-			-	-																	
					SR4A	Fine	Moderate	08:19	9.5	Surface	1.0	0.2	252	24.9	25.0	8.1	8.1	18.5	18.5	85.8	85.9	6.4	6.4	5.8	6	-			-	-					-	817184	807824	-	-		-
											1.0	0.2	270	25.0	8.1	8.1	18.5	18.5	85.9	85.9	6.4	6.4	5.8	7	-			-	-												
											4.8	0.1	130	25.3	8.1	8.1	18.3	18.2	86.5	86.5	6.4	6.4	6.2	8	-			-	-												
Middle	4.8	0.1	134	25.3						8.1	8.1	18.2	18.2	86.5	86.5	6.4	6.4	6.3	7	-			-	-																	
	8.5	0.1	16	25.3						8.0	8.0	18.5	18.5	87.2	87.3	6.5	6.5	5.2	8	-			-	-																	
	8.5	0.1	17	25.3						8.0	8.0	18.5	18.5	87.4	87.3	6.5	6.5	5.0	7	-			-	-																	
SR5A	Fine	Calm	08:04	5.4						Surface	1.0	0.1	357	25.6	25.7	8.1	8.1	17.2	17.2	87.7	87.8	6.5	6.5	4.8	6	-			-	-	-	816570	810682	-					-	-	
											1.0	0.1	358	25.7	8.1	8.1	17.2	17.2	87.8	87.8	6.5	6.5	4.8	7	-			-	-												
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-				
						4.4	0.1	48	26.0	8.1	8.1	17.0	17.0	88.4	88.5	6.5	6.5	3.3	8	-			-	-																	
						4.4	0.1	52	26.0	8.1	8.1	17.0	17.0	88.6	88.5	6.5	6.5	3.3	8	-			-	-																	
					SR6	Fine	Moderate	07:30	4.7	Surface	1.0	0.1	238	25.1	25.1	7.8	7.8	14.8	14.8	83.1	83.1	6.3	6.3	3.1	4	-			-	-					-	817889	814668	-	-		-
											1.0	0.2	249	25.1	7.8	7.8	14.8	14.8	83.1	83.1	6.3	6.3	3.1	6	-			-	-												
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	3.7	0.1	216	25.1						7.8	7.8	14.7	14.7	83.6	83.6	6.3	6.3	3.5	6	-			-	-																	
	3.7	0.1	233</																																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 19 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	Value	DA
C1	Fine	Moderate	16:32	8.6	Surface	1.0	0.3	120	26.9	26.9	8.3	8.3	14.6	14.7	95.9	95.8	7.3	7.2	10.5	11.2	<2	2	88	91	815596	804237	<0.2	<0.2	2.8	2.6		
						1.0	0.3	122	26.9	26.9	8.3	8.3	14.8	14.8	95.7	95.6	7.2	7.1	10.9	11.2	2	2	88	91	815596	804237	<0.2	<0.2	2.8	2.6		
						4.3	0.3	147	26.8	26.8	8.3	8.3	13.6	13.6	95.5	95.6	7.1	7.1	13.2	14.1	2	2	92	93	815596	804237	<0.2	<0.2	2.6	2.6		
					Middle	4.3	0.4	156	26.9	26.9	8.3	8.3	13.6	13.6	95.6	95.6	7.1	7.1	14.1	14.1	2	2	93	93	815596	804237	<0.2	<0.2	2.6	2.6		
						7.6	0.4	129	27.0	27.0	8.3	8.3	13.3	13.3	95.6	95.6	7.1	7.1	9.3	9.4	3	3	93	93	815596	804237	<0.2	<0.2	2.1	2.4		
						7.6	0.4	133	27.1	27.1	8.3	8.3	13.3	13.3	95.5	95.6	7.1	7.1	9.4	9.4	<2	<2	94	94	815596	804237	<0.2	<0.2	2.4	2.4		
C2	Fine	Moderate	15:29	11.6	Surface	1.0	0.5	154	25.6	25.6	8.0	8.0	12.5	12.5	86.8	86.9	6.6	6.6	4.2	4.7	3	3	84	86	825668	806959	<0.2	<0.2	3.1	3.0		
						1.0	0.5	156	25.6	25.6	8.0	8.0	12.5	12.5	87.0	87.0	6.6	6.6	4.3	4.7	3	3	83	86	825668	806959	<0.2	<0.2	3.0	3.0		
						5.8	0.5	129	25.3	25.3	8.1	8.1	14.8	14.8	85.8	85.8	6.5	6.5	7.3	7.2	3	3	87	86	825668	806959	<0.2	<0.2	3.0	3.2		
					Middle	5.8	0.5	130	25.3	25.3	8.1	8.1	14.8	14.8	85.8	85.8	6.5	6.5	7.2	7.2	<2	<2	86	89	825668	806959	<0.2	<0.2	3.2	3.1		
						10.6	0.3	144	25.7	25.7	8.0	8.0	17.6	17.6	86.2	86.3	6.4	6.4	2.6	2.5	<2	<2	89	89	825668	806959	<0.2	<0.2	3.1	2.7		
						10.6	0.3	151	25.7	25.7	8.0	8.0	17.6	17.6	86.4	86.3	6.4	6.4	2.5	2.5	2	2	89	89	825668	806959	<0.2	<0.2	2.7	2.7		
C3	Fine	Moderate	17:23	12.1	Surface	1.0	0.2	77	25.6	25.6	8.2	8.2	14.6	14.6	94.0	94.1	7.1	7.1	5.5	4.7	<2	<2	85	87	822097	817813	<0.2	<0.2	2.4	2.5		
						1.0	0.2	83	25.6	25.6	8.2	8.2	14.6	14.6	94.1	94.1	7.1	7.1	5.5	4.7	<2	<2	85	85	822097	817813	<0.2	<0.2	2.7	2.6		
						6.1	0.2	119	25.4	25.4	8.2	8.2	20.1	20.0	93.0	93.3	6.8	6.8	2.2	2.3	<2	<2	86	85	822097	817813	<0.2	<0.2	2.5	2.6		
					Middle	6.1	0.2	120	25.4	25.4	8.2	8.2	20.0	20.0	93.0	93.3	6.8	6.8	2.3	2.3	<2	<2	85	90	822097	817813	<0.2	<0.2	2.6	2.4		
						11.1	0.5	153	25.4	25.4	8.2	8.2	21.5	21.5	91.7	91.7	6.7	6.7	6.2	6.2	<2	<2	90	89	822097	817813	<0.2	<0.2	2.4	2.5		
						11.1	0.5	156	25.4	25.4	8.2	8.2	21.5	21.5	91.7	91.7	6.7	6.7	6.2	6.2	<2	<2	89	89	822097	817813	<0.2	<0.2	2.5	2.5		
IM1	Fine	Calm	16:09	5.6	Surface	1.0	0.2	216	26.3	26.3	8.1	8.1	11.0	11.0	91.6	91.6	7.0	7.0	11.0	11.9	<2	<2	87	90	817954	807155	<0.2	<0.2	3.6	3.3		
						1.0	0.2	227	26.3	26.3	8.1	8.1	11.0	11.0	91.6	91.6	7.0	7.0	11.3	11.9	2	2	88	88	817954	807155	<0.2	<0.2	3.3	3.3		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.6	0.3	233	26.5	26.5	8.2	8.2	11.3	11.3	93.7	94.1	7.1	7.1	12.4	12.8	<2	<2	92	93	817954	807155	<0.2	<0.2	3.6	3.8		
						4.6	0.3	234	26.5	26.5	8.2	8.2	11.3	11.3	94.5	94.1	7.1	7.1	12.8	12.8	2	2	93	93	817954	807155	<0.2	<0.2	3.6	3.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Moderate	16:03	7.9	Surface	1.0	0.2	205	26.5	26.5	8.1	8.1	11.3	11.3	90.6	90.6	6.8	6.8	13.8	12.0	<2	<2	88	91	818169	806178	<0.2	<0.2	3.4	3.3		
						1.0	0.2	221	26.5	26.5	8.1	8.1	11.3	11.3	90.6	90.6	6.8	6.8	14.8	12.0	3	2	89	92	818169	806178	<0.2	<0.2	3.2	3.3		
						4.0	0.3	254	26.5	26.5	8.1	8.1	11.0	11.0	91.1	91.3	6.9	6.9	10.5	10.7	2	2	92	92	818169	806178	<0.2	<0.2	3.3	3.3		
					Middle	4.0	0.3	258	26.5	26.5	8.1	8.1	11.0	11.0	91.4	91.3	6.9	6.9	10.7	10.7	2	2	92	93	818169	806178	<0.2	<0.2	3.3	3.2		
						6.9	0.4	237	26.4	26.4	8.2	8.2	12.1	12.1	93.1	93.3	7.0	7.0	10.8	11.2	<2	<2	93	94	818169	806178	<0.2	<0.2	3.2	3.3		
						6.9	0.4	238	26.4	26.4	8.2	8.2	12.1	12.1	93.5	93.3	7.0	7.0	11.2	11.2	<2	<2	94	94	818169	806178	<0.2	<0.2	3.3	3.3		
IM3	Fine	Moderate	15:58	8.3	Surface	1.0	0.3	251	26.3	26.3	8.1	8.1	12.5	12.5	91.3	91.1	6.9	6.8	15.2	13.5	<2	<2	86	91	818786	805592	<0.2	<0.2	3.3	3.5		
						1.0	0.3	239	26.3	26.3	8.1	8.1	12.5	12.5	90.8	90.8	6.8	6.8	15.2	13.5	<2	<2	88	92	818786	805592	<0.2	<0.2	3.5	3.3		
						4.2	0.3	247	26.5	26.5	8.1	8.1	11.1	11.1	90.8	90.9	6.9	6.9	11.8	12.1	2	2	93	92	818786	805592	<0.2	<0.2	3.3	3.3		
					Middle	4.2	0.4	252	26.5	26.5	8.1	8.1	11.0	11.0	90.9	90.9	6.9	6.9	12.1	13.5	3	2	92	94	818786	805592	<0.2	<0.2	3.3	3.4		
						7.3	0.4	216	26.8	26.8	8.1	8.1	10.7	10.7	93.5	93.8	7.1	7.1	13.3	13.6	2	3	94	94	818786	805592	<0.2	<0.2	3.4	3.2		
						7.3	0.4	205	26.8	26.8	8.2	8.1	10.7	10.7	94.0	93.8	7.1	7.1	13.6	13.6	3	3	94	94	818786	805592	<0.2	<0.2	3.2	3.2		
IM4	Fine	Moderate	15:50	8.6	Surface	1.0	0.5	230	26.6	26.6	8.2	8.2	13.6	13.6	92.7	92.7	6.9	6.9	9.8	10.5	3	4	87	91	819712	804589	<0.2	<0.2	3.1	3.2		
						1.0	0.5	227	26.6	26.6	8.2	8.2	13.6	13.6	92.7	92.7	6.9	6.9	9.8	10.5	4	4	88	92	819712	804589	<0.2	<0.2	3.1	3.3		
						4.3	0.3	255	26.7	26.7	8.2	8.2	14.1	14.1	92.7	92.7	6.9	6.9	9.8	9.7	2	3	92	93	819712	804589	<0.2	<0.2	3.2	3.3		
					Middle	4.3	0.4	255	26.7	26.7	8.2	8.2	14.1	14.1	92.6	92.7	6.9	6.9	9.7	11.8	3	4	93	93	819712	804589	<0.2	<0.2	3.3	3.1		
						7.6	0.2	244	26.9	26.9	8.2	8.2	13.3	13.3	93.4	93.7	7.0	7.0	11.8	12.3	5	4	93	94	819712	804589	<0.2	<0.2	3.1	3.2		
						7.6	0.2	226	26.9	26.9	8.2	8.2	13.3	13.3	93.9	93.7	7.0	7.0	12.3	12.3	4	4	94	94	819712	804589	<0.2	<0.2	3.2	3.2		
IM5	Fine	Moderate	15:40	7.7	Surface	1.0	0.6	216	26.6	26.5	8.2	8.2	14.9	14.9	93.3	93.4	6.9	6.9	11.7	12.2	3	3	87	91	820716	804849	<0.2	<0.2	3.6	3.3		
						1.0	0.6	217	26.5	26.5	8.2	8.2	14.9	14.9	93.4	93.4	6.9	6.9	12.3	12.2	3	3	88	92	820716	804849	<0.2	<0.2	3.3	3.1		
						3.9	0.6	222	26.4	26.4	8.2	8.2	15.4	15.3	93.2	93.2	6.9	6.9	10.4	10.8	3	3	92	93	820716	804849	<0.2	<0.2	3.2	3.1		
					Middle	3.9	0.7	203	26.5	26.5	8.2	8.2	15.3	15.3	93.2	93.2																

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 19 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	Value	DA
IM9	Fine	Moderate	16:24	7.2	Surface	1.0	0.2	70	25.7	25.7	8.1	8.1	11.2	11.2	90.7	90.9	7.0	6.8	7.9	6.4	3	8	84	87	822076	808820	<0.2	<0.2	3.4	3.5		
						1.0	0.2	72	25.7	8.1	8.1	11.2	11.2	91.0	91.0	7.1	6.8	7.1	6.4	3	8	85	87	84	87	<0.2	<0.2	3.4	3.5			
						3.6	0.4	55	25.4	8.1	8.1	14.1	14.1	87.1	87.1	6.6	6.6	6.3	6.4	6	8	88	87	86	87	<0.2	<0.2	3.4	3.5			
					3.6	0.4	59	25.3	8.1	8.1	14.1	14.1	87.0	87.0	6.6	6.6	6.3	6.4	6	8	86	87	86	87	<0.2	<0.2	3.4	3.5				
					6.2	0.2	65	25.6	8.1	8.1	17.3	17.3	87.0	87.0	6.4	6.5	5.5	6.5	14	13	90	89	90	89	<0.2	<0.2	3.4	3.5				
					6.2	0.2	66	25.7	8.1	8.1	17.2	17.2	87.3	87.3	6.5	6.5	5.5	6.5	13	13	90	89	90	89	<0.2	<0.2	3.4	3.5				
IM10	Fine	Moderate	16:31	7.3	Surface	1.0	0.4	80	25.7	25.7	8.1	8.1	12.1	12.1	89.0	88.9	6.8	6.8	4.3	4.6	4	5	84	86	822378	809789	<0.2	<0.2	3.4	3.3		
						1.0	0.4	82	25.7	8.1	8.1	12.1	12.1	88.7	88.7	6.8	6.8	4.4	4.6	3	5	82	87	84	86	<0.2	<0.2	3.4	3.3			
						3.7	0.4	87	25.5	8.1	8.1	13.8	13.8	88.2	88.2	6.7	6.7	4.6	4.6	6	5	87	86	88	89	<0.2	<0.2	3.4	3.3			
					3.7	0.4	88	25.5	8.1	8.1	13.8	13.8	88.1	88.1	6.7	6.7	4.6	4.6	5	5	86	87	88	89	<0.2	<0.2	3.4	3.3				
					6.3	0.3	72	25.5	8.1	8.1	16.1	16.1	88.0	88.0	6.6	6.6	4.8	4.8	5	4	90	89	90	89	<0.2	<0.2	3.4	3.3				
					6.3	0.4	72	25.5	8.1	8.1	16.1	16.1	88.0	88.0	6.6	6.6	4.8	4.8	4	4	89	89	89	89	<0.2	<0.2	3.4	3.3				
IM11	Fine	Moderate	16:40	7.4	Surface	1.0	0.2	115	25.9	25.9	8.1	8.1	14.2	14.2	94.4	94.6	7.1	7.1	6.2	7.0	2	3	84	87	822043	811453	<0.2	<0.2	3.4	3.4		
						1.0	0.2	101	25.9	8.1	8.1	14.2	14.2	94.7	94.7	7.1	7.1	6.7	7.0	<2	3	84	87	84	87	<0.2	<0.2	3.4	3.4			
						3.7	0.4	102	25.9	8.1	8.1	14.6	14.6	91.6	91.8	6.9	6.9	4.0	4.0	3	3	90	87	90	87	<0.2	<0.2	3.4	3.4			
					3.7	0.4	103	25.9	8.1	8.1	14.6	14.6	91.9	91.8	6.9	6.9	4.0	4.0	<2	3	87	87	87	87	<0.2	<0.2	3.4	3.4				
					6.4	0.1	131	25.7	8.1	8.1	15.6	15.6	91.3	91.3	6.8	6.8	6.2	6.8	4	3	90	89	90	89	<0.2	<0.2	3.4	3.4				
					6.4	0.1	132	25.7	8.1	8.1	15.6	15.6	91.3	91.3	6.8	6.8	6.2	6.8	3	3	89	89	89	89	<0.2	<0.2	3.4	3.4				
IM12	Fine	Moderate	16:51	8.2	Surface	1.0	0.1	131	25.8	25.8	8.2	8.2	15.5	15.5	91.5	91.5	6.8	6.8	3.0	3.8	2	2	84	87	821436	812033	<0.2	<0.2	3.4	3.3		
						1.0	0.1	133	25.8	8.2	8.2	15.5	15.5	91.5	91.5	6.8	6.8	3.1	3.8	3	2	83	88	84	88	<0.2	<0.2	3.4	3.3			
						4.1	0.2	164	25.8	8.2	8.1	16.1	16.1	91.2	91.2	6.8	6.8	4.3	4.3	3	2	88	88	88	88	<0.2	<0.2	3.2	3.3			
					4.1	0.2	158	25.8	8.1	8.1	16.1	16.1	91.2	91.2	6.8	6.8	4.3	4.3	<2	2	88	88	88	88	<0.2	<0.2	3.2	3.3				
					7.2	0.1	97	25.5	8.2	8.2	17.3	17.3	90.8	90.9	6.7	6.8	3.9	6.8	2	2	90	89	90	89	<0.2	<0.2	3.3	3.4				
					7.2	0.1	104	25.5	8.2	8.2	17.3	17.3	90.9	90.9	6.8	6.8	4.0	6.8	2	2	90	89	90	89	<0.2	<0.2	3.3	3.4				
SR1A	Fine	Moderate	17:05	4.7	Surface	1.0	-	-	25.5	25.5	8.2	8.2	16.8	16.8	91.2	91.1	6.8	6.8	2.8	2.5	<2	2	-	-	819982	812660	-	-	-	-		
						1.0	-	-	25.5	8.2	8.2	16.8	16.8	91.0	91.0	6.8	6.8	2.8	2.5	2	2	-	-	-	-	-	-	-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.7	-	-	25.5	8.2	8.2	17.3	17.3	91.2	91.3	6.8	6.8	2.3	6.8	<2	2	-	-	-	-	-	-	-	-	-	-	-	-
					3.7	-	-	25.4	8.2	8.2	17.3	17.3	91.4	91.3	6.8	6.8	2.2	6.8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Moderate	17:11	4.3	Surface	1.0	0.4	65	25.5	25.5	8.2	8.2	16.8	16.8	90.7	90.8	6.8	6.8	2.8	2.5	4	4	84	86	821471	814188	<0.2	<0.2	3.2	3.3		
						1.0	0.4	63	25.5	8.2	8.2	16.8	16.8	90.8	90.8	6.8	6.8	2.6	2.5	3	4	85	86	84	86	<0.2	<0.2	3.2	3.3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.3	0.3	71	25.5	8.2	8.2	17.2	17.2	91.1	91.2	6.8	6.8	2.4	6.8	3	4	87	86	87	86	<0.2	<0.2	3.3	3.4				
					3.3	0.3	62	25.5	8.2	8.2	17.2	17.2	91.2	91.2	6.8	6.8	2.4	6.8	4	4	88	86	88	86	<0.2	<0.2	3.3	3.4				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR3	Fine	Moderate	16:10	8.3	Surface	1.0	0.1	169	25.7	25.7	8.1	8.1	11.5	11.5	91.0	91.1	7.0	6.8	4.3	4.8	4	5	-	-	822143	807594	-	-	-	-		
						1.0	0.2	173	25.7	8.1	8.1	11.5	11.5	91.2	91.0	7.0	6.8	4.4	4.8	3	5	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.2	174	25.6	8.2	8.2	14.4	14.4	87.2	87.3	6.6	6.6	4.9	6.6	4	5	-	-	-	-	-	-	-	-	-	-	-
					4.2	0.2	178	25.6	8.2	8.2	14.4	14.4	87.3	87.3	6.6	6.6	4.9	6.6	5	5	-	-	-	-	-	-	-	-	-	-	-	-
					7.3	0.3	162	25.6	8.2	8.2	18.4	18.4	89.4	89.5	6.6	6.6	5.3	6.6	6	6	-	-	-	-	-	-	-	-	-	-	-	-
					7.3	0.3	164	25.6	8.2	8.2	18.4	18.4	89.5	89.5	6.6	6.6	5.1	6.6	6	6	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Moderate	16:42	9.3	Surface	1.0	0.7	56	26.7	26.7	8.2	8.2	13.7	13.7	95.7	95.7	7.1	7.1	12.9	11.1	4	4	-	-	817180	807820	-	-	-	-		
						1.0	0.7	58	26.7	8.2	8.2	13.7	13.7	95.6	95.6	7.1	7.1	13.0	11.1	4	4	-	-	-	-	-	-	-	-	-	-	
						4.7	0.6	64	26.6	8.2	8.2	13.7	13.7	95.4	95.4	7.1	7.1	10.8	11.1	3	4	-	-	-	-	-	-	-	-	-	-	-
					4.7	0.6	66	26.7	8.2	8.2	13.7	13.7	95.4	95.4	7.1	7.1	11.0	11.1	4	4	-	-	-	-	-	-	-	-	-	-	-	-
					8.3	0.6	64	27.1	8.2	8.2	13.6	13.6	96.0	96.0	7.1	7.1	9.4	11.1	3	4	-	-	-	-	-	-	-	-	-	-	-	-
					8.3	0.6	66	27.1	8.2	8.2	13.6	13.6	96.0	96.0	7.1	7.1	9.4	11.1	4	4	-	-	-	-	-	-	-	-	-	-	-	-
SR5A	Fine	Calm	16:55	5.6	Surface	1.0	0.5	139	28.9	28.9	8.2	8.2	14.4	14.4	98.3	98.1	7.0	7.0	12.7	13.3	3	3	-	-	816615	810695	-	-	-	-		
						1.0	0.5	148	28.9	8.2	8.2	14.3	14.3	97.8	97.8	7.0	7.0	13.3	13.3	4	3	-	-	-								

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 19 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	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Fine	Moderate	10:00	8.6	Surface	1.0	0.4	60	25.9	25.9	8.2	8.2	13.5	13.5	90.0	90.0	6.9	6.9	11.6	11.6	3	3	86	86	815613	804234	<0.2	<0.2	3.0	3.0			
						1.0	0.4	61	25.9	8.3	8.3	13.5	13.5	90.0	90.0	6.9	6.9	12.2	12.2	3	3	87	87	<0.2	<0.2	3.2	3.2						
					Middle	4.3	0.3	30	25.9	25.9	8.3	8.3	14.7	14.7	89.7	89.8	6.8	6.8	9.4	9.4	3	3	88	88	<0.2	<0.2	3.0	3.0					
						4.3	0.3	31	25.9	25.9	8.3	8.3	14.7	14.7	89.8	89.8	6.8	6.8	9.3	9.3	3	3	89	89	<0.2	<0.2	3.0	3.0					
					Bottom	7.6	0.2	22	25.8	25.8	8.4	8.4	14.4	14.4	89.8	89.9	6.7	6.7	9.1	9.1	2	2	89	89	<0.2	<0.2	3.0	3.0					
						7.6	0.3	22	25.8	25.8	8.4	8.4	14.4	14.4	90.0	90.0	6.8	6.8	9.1	9.1	2	2	90	90	<0.2	<0.2	2.9	2.9					
C2	Fine	Moderate	10:50	11.6	Surface	1.0	0.5	347	25.7	25.7	8.0	8.0	10.8	10.8	87.3	87.4	6.7	6.7	4.6	4.6	3	3	86	86	825701	806939	<0.2	<0.2	3.4	3.4			
						1.0	0.5	319	25.7	8.0	8.0	10.8	10.8	87.5	87.5	6.7	6.7	4.8	4.8	3	3	85	85	<0.2	<0.2	3.6	3.6						
					Middle	5.8	0.5	329	25.5	25.5	8.1	8.1	14.4	14.4	88.0	88.1	6.6	6.6	5.0	5.0	3	3	86	86	<0.2	<0.2	3.2	3.2					
						5.8	0.5	342	25.5	25.5	8.1	8.1	14.4	14.4	88.1	88.1	6.6	6.6	5.1	5.1	3	3	86	86	<0.2	<0.2	3.2	3.2					
					Bottom	10.6	0.3	346	25.2	25.2	8.1	8.1	19.0	19.0	85.9	86.0	6.4	6.4	3.5	3.5	2	2	88	88	<0.2	<0.2	3.4	3.4					
						10.6	0.4	318	25.2	25.2	8.1	8.1	19.0	19.0	86.0	86.0	6.4	6.4	3.5	3.5	3	3	89	89	<0.2	<0.2	3.2	3.2					
C3	Fine	Moderate	09:03	11.9	Surface	1.0	0.3	289	25.5	25.5	8.1	8.1	13.5	13.5	87.4	87.5	6.6	6.6	10.9	10.9	3	3	83	83	822107	817786	<0.2	<0.2	2.9	2.9			
						1.0	0.3	313	25.5	25.5	8.1	8.1	13.5	13.5	87.5	87.5	6.6	6.6	10.2	10.2	3	3	84	84	<0.2	<0.2	3.0	3.0					
					Middle	5.9	0.2	242	25.5	25.5	8.1	8.1	14.9	14.9	87.3	87.5	6.6	6.6	2.8	2.8	2	2	86	86	<0.2	<0.2	3.0	3.0					
						5.9	0.3	244	25.5	25.5	8.1	8.1	14.9	14.9	87.6	87.6	6.6	6.6	2.7	2.7	3	3	86	86	<0.2	<0.2	3.1	3.1					
					Bottom	10.9	0.3	280	25.6	25.6	8.1	8.1	17.7	17.7	86.1	88.1	6.5	6.5	2.2	2.2	3	3	89	89	<0.2	<0.2	2.9	2.9					
						10.9	0.3	297	25.6	25.6	8.1	8.1	17.7	17.7	88.1	88.1	6.5	6.5	2.4	2.4	<2	<2	88	88	<0.2	<0.2	2.9	2.9					
IM1	Fine	Calm	10:08	5.8	Surface	1.0	0.0	32	26.1	26.1	8.2	8.2	13.7	13.7	91.8	91.9	7.0	7.0	9.3	9.3	2	2	87	87	817944	807129	<0.2	<0.2	2.9	2.9			
						1.0	0.0	34	26.1	26.1	8.2	8.2	13.7	13.7	92.0	92.0	7.0	7.0	9.2	9.2	3	3	87	87	<0.2	<0.2	2.8	2.8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.8	0.2	338	26.3	26.3	8.3	8.3	12.3	12.3	92.5	92.7	7.0	7.0	9.1	9.1	2	2	90	90	<0.2	<0.2	2.8	2.8					
						4.8	0.2	311	26.3	26.3	8.3	8.3	12.3	12.3	92.9	92.7	7.0	7.0	9.1	9.1	3	3	89	89	<0.2	<0.2	2.8	2.8					
IM2	Fine	Moderate	10:15	7.9	Surface	1.0	0.4	28	25.7	25.7	8.2	8.2	12.7	12.7	91.3	91.5	6.9	6.9	9.8	9.8	2	2	87	87	818166	806164	<0.2	<0.2	2.8	2.8			
						1.0	0.4	29	25.7	25.7	8.2	8.2	12.7	12.7	91.6	91.6	7.0	7.0	9.8	9.8	<2	<2	88	88	<0.2	<0.2	2.8	2.8					
					Middle	4.0	0.4	9	25.7	25.7	8.2	8.2	12.8	12.8	91.6	91.6	7.0	7.0	9.8	9.8	2	2	88	88	<0.2	<0.2	2.9	2.9					
						4.0	0.4	9	25.7	25.7	8.2	8.2	12.8	12.8	91.5	91.6	7.0	7.0	9.7	9.7	<2	<2	88	88	<0.2	<0.2	2.7	2.7					
					Bottom	6.9	0.3	17	26.1	26.1	8.3	8.3	12.6	12.6	93.1	93.4	7.0	7.0	9.6	9.6	<2	<2	89	89	<0.2	<0.2	2.6	2.6					
						6.9	0.3	17	26.1	26.1	8.3	8.3	12.6	12.6	93.7	93.4	7.1	7.1	9.6	9.6	<2	<2	89	89	<0.2	<0.2	2.7	2.7					
IM3	Fine	Moderate	10:21	8.0	Surface	1.0	0.4	335	26.2	26.2	8.2	8.2	15.9	15.9	90.6	90.7	6.9	6.9	9.5	9.5	2	2	87	87	818798	805614	<0.2	<0.2	2.8	2.8			
						1.0	0.4	351	26.1	26.1	8.2	8.2	15.9	15.9	90.8	90.7	6.9	6.9	9.4	9.4	<2	<2	88	88	<0.2	<0.2	2.8	2.8					
					Middle	4.0	0.3	353	26.1	26.1	8.2	8.2	15.6	15.6	90.6	90.6	6.9	6.9	9.6	9.6	3	3	88	88	<0.2	<0.2	2.8	2.8					
						4.0	0.3	325	26.1	26.1	8.2	8.2	15.6	15.6	90.6	90.6	6.9	6.9	9.6	9.6	3	3	87	87	<0.2	<0.2	2.8	2.8					
					Bottom	7.0	0.2	351	26.2	26.2	8.2	8.2	14.3	14.3	91.7	91.8	7.0	7.0	9.8	9.8	<2	<2	90	90	<0.2	<0.2	2.8	2.8					
						7.0	0.2	323	26.2	26.2	8.2	8.2	14.3	14.3	91.9	91.8	7.0	7.0	9.8	9.8	<2	<2	89	89	<0.2	<0.2	2.9	2.9					
IM4	Fine	Moderate	10:27	8.1	Surface	1.0	0.4	343	26.1	26.1	8.2	8.2	13.3	13.3	90.7	90.9	6.8	6.8	9.9	9.9	<2	<2	86	86	819719	804600	<0.2	<0.2	2.8	2.8			
						1.0	0.4	316	26.1	26.1	8.2	8.2	13.3	13.3	91.0	90.9	6.8	6.8	10.0	10.0	2	2	87	87	<0.2	<0.2	3.0	3.0					
					Middle	4.1	0.5	358	26.2	26.3	8.2	8.2	12.3	12.3	92.3	92.5	7.0	7.0	9.7	9.7	<2	<2	88	88	<0.2	<0.2	2.8	2.8					
						4.1	0.5	329	26.3	26.3	8.2	8.2	12.3	12.3	92.6	92.5	7.0	7.0	9.7	9.7	2	2	88	88	<0.2	<0.2	2.8	2.8					
					Bottom	7.1	0.4	347	26.5	26.5	8.2	8.2	11.4	11.4	94.4	94.5	7.1	7.1	9.9	9.9	<2	<2	89	89	<0.2	<0.2	2.9	2.9					
						7.1	0.4	359	26.5	26.5	8.2	8.2	11.4	11.4	94.6	94.5	7.1	7.1	9.9	9.9	2	2	90	90	<0.2	<0.2	3.0	3.0					
IM5	Fine	Moderate	10:38	7.6	Surface	1.0	0.5	356	26.7	26.7	8.2	8.2	13.0	13.0	91.9	91.9	6.9	6.9	9.1	9.1	<2	<2	87	87	820746	804856	<0.2	<0.2	2.7	2.7			
						1.0	0.6	328	26.7	26.7	8.2	8.2	13.0	13.0	91.9	91.9	6.9	6.9	9.1	9.1	<2	<2	87	87	<0.2	<0.2	2.6	2.6					
					Middle	3.8	0.7	343	26.7	26.7	8.2	8.2	12.8	12.8	91.6	91.5	6.8	6.8	10.2	10.2	3	3	88	88	<0.2	<0.2	2.6	2.6					
						3.8	0.7	345	26.7	26.7	8.2	8.2	12.8	12.8	91.4	91.5	6.8	6.8	10.4	10.4	3	3	89	89	<0.2	<0.2	2.6	2.6					
					Bottom	6.6	0.4	14	26.8	26.8	8.2	8.2	13.5	13.5	93.2	93.1	6.9	6.9	11.1	11.1	2	2	89	89	<0.2	<0.2	2.7	2.7					
						6.6	0.5	14	26.8	26.8	8.2	8.2	13.5	13.5	92.9	93.1	6.9	6.9	11.1	11.1	3	3	90	90	<0.2	<0.2	2.8	2.8					
IM6	Fine	Moderate	10:44	6.8	Surface	1.0	0.8	40	26.6	26.5	8.2	8.2	14.9	14.9	91.8	91.9	6.8	6.8	10.4	10.4	3	3	86	86	821046	805826							

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 19 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	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	10:19	7.3	Surface	1.0	0.3	239	25.5	25.5	8.0	8.0	10.2	10.2	87.2	87.4	6.7	6.7	4.4	4.4	3	4	85	85	<0.2	<0.2	3.3	3.3				
						1.0	0.3	257	25.5	8.0	8.0	10.2	10.2	87.5	87.4	6.8	6.8	4.4	4.4	3	4	85	85	<0.2	<0.2	3.3	3.3					
						3.7	0.3	264	25.5	8.0	8.0	11.3	11.3	86.1	86.2	6.6	6.6	4.7	4.7	3	4	86	86	<0.2	<0.2	3.3	3.3					
					Middle	3.7	0.3	269	25.6	8.0	8.0	11.3	11.3	86.3	86.2	6.6	6.6	4.7	4.7	3	4	86	86	<0.2	<0.2	3.3	3.3					
						6.3	0.1	274	25.4	8.1	8.1	14.8	14.8	86.5	86.6	6.5	6.5	11.3	11.3	4	4	87	87	<0.2	<0.2	3.4	3.4					
						6.3	0.1	297	25.3	8.1	8.1	14.8	14.8	86.7	86.6	6.5	6.5	11.0	11.0	4	4	89	89	<0.2	<0.2	3.5	3.5					
IM10	Fine	Moderate	10:12	7.4	Surface	1.0	0.3	306	25.5	25.5	8.0	8.0	11.1	11.1	86.9	87.0	6.7	6.7	4.2	4.2	3	3	84	84	<0.2	<0.2	3.4	3.4				
						1.0	0.3	325	25.5	8.0	8.0	11.1	11.1	87.0	87.0	6.7	6.7	4.6	4.6	3	3	86	86	<0.2	<0.2	3.1	3.1					
						3.7	0.4	312	25.5	8.1	8.1	12.8	12.7	86.5	86.6	6.6	6.6	7.9	7.9	2	3	86	86	<0.2	<0.2	3.3	3.3					
					Middle	3.7	0.4	312	25.6	8.1	8.1	12.7	12.7	86.7	86.6	6.6	6.6	7.9	7.9	2	3	85	85	<0.2	<0.2	3.0	3.0					
						6.4	0.3	303	25.3	8.1	8.1	16.6	16.6	87.0	87.0	6.5	6.5	5.7	5.7	4	4	90	90	<0.2	<0.2	3.3	3.3					
						6.4	0.3	311	25.3	8.2	8.1	16.6	16.6	87.0	87.0	6.5	6.5	5.7	5.7	4	4	88	88	<0.2	<0.2	3.3	3.3					
IM11	Fine	Moderate	10:02	7.6	Surface	1.0	0.2	325	25.4	25.4	8.1	8.1	13.1	13.1	87.0	87.0	6.6	6.6	4.9	4.9	2	2	86	86	<0.2	<0.2	3.3	3.3				
						1.0	0.3	334	25.4	8.1	8.1	13.1	13.1	87.0	87.0	6.6	6.6	4.9	4.9	2	2	85	85	<0.2	<0.2	3.4	3.4					
						3.8	0.3	300	25.4	8.1	8.1	13.1	13.1	87.2	87.3	6.6	6.6	8.0	8.0	2	2	86	86	<0.2	<0.2	3.1	3.1					
					Middle	3.8	0.3	320	25.4	8.1	8.1	13.1	13.1	87.2	87.3	6.6	6.6	8.2	8.2	2	2	85	85	<0.2	<0.2	3.5	3.5					
						6.6	0.3	303	25.2	8.1	8.1	13.7	13.7	86.2	86.2	6.6	6.6	9.6	9.6	<2	<2	90	90	<0.2	<0.2	3.4	3.4					
						6.6	0.3	315	25.2	8.1	8.1	13.7	13.7	86.1	86.2	6.6	6.6	9.6	9.6	2	2	88	88	<0.2	<0.2	3.5	3.5					
IM12	Fine	Moderate	09:54	8.3	Surface	1.0	0.2	307	25.7	25.7	8.1	8.1	12.1	12.1	89.4	89.4	6.8	6.8	5.8	5.8	2	2	85	85	<0.2	<0.2	3.3	3.3				
						1.0	0.2	320	25.7	8.1	8.1	12.1	12.1	89.3	89.4	6.8	6.8	6.1	6.1	<2	<2	83	83	<0.2	<0.2	3.3	3.3					
						4.2	0.4	289	25.5	8.1	8.1	13.2	13.2	87.4	87.5	6.6	6.6	6.1	6.1	3	2	86	86	<0.2	<0.2	3.4	3.4					
					Middle	4.2	0.4	316	25.5	8.1	8.1	13.2	13.2	87.6	87.5	6.7	6.7	6.4	6.4	2	2	88	88	<0.2	<0.2	3.0	3.0					
						7.3	0.3	290	25.0	8.1	8.1	19.7	19.7	86.2	86.3	6.4	6.4	8.6	8.6	3	3	89	89	<0.2	<0.2	3.4	3.4					
						7.3	0.3	311	25.0	8.1	8.1	19.7	19.7	86.3	86.3	6.4	6.4	8.6	8.6	2	2	88	88	<0.2	<0.2	3.4	3.4					
SR1A	Fine	Moderate	09:36	4.7	Surface	1.0	-	-	25.9	25.9	8.1	8.1	13.6	13.6	89.0	89.1	6.7	6.7	3.9	3.9	2	2	-	-	-	-	-	-				
						1.0	-	-	25.9	8.1	8.1	13.6	13.6	89.1	89.1	6.7	6.7	3.9	3.9	<2	<2	-	-	-	-	-	-					
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.7	-	-	26.0	26.0	8.1	8.1	16.6	16.6	88.2	88.3	6.5	6.5	8.2	8.2	3	3	-	-	-	-	-	-				
						3.7	-	-	26.0	8.1	8.1	16.6	16.6	88.3	88.3	6.5	6.5	8.0	8.0	3	3	-	-	-	-	-	-					
SR2	Fine	Moderate	09:23	4.3	Surface	1.0	0.1	347	25.6	25.6	8.1	8.1	13.0	13.0	87.7	87.7	6.7	6.7	7.7	7.7	2	2	86	86	<0.2	<0.2	2.9	2.9				
						1.0	0.2	319	25.6	8.1	8.1	13.0	13.0	87.7	87.7	6.7	6.7	8.3	8.3	3	3	85	85	<0.2	<0.2	3.3	3.3					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.3	0.2	342	25.5	8.1	8.1	16.2	16.2	84.8	84.8	6.3	6.3	5.7	5.7	3	3	89	89	<0.2	<0.2	3.2	3.2					
						3.3	0.2	315	25.5	8.1	8.1	16.2	16.2	84.8	84.8	6.3	6.3	5.8	5.8	3	3	89	89	<0.2	<0.2	3.3	3.3					
SR3	Fine	Moderate	10:30	8.4	Surface	1.0	0.2	268	25.4	25.4	8.0	8.0	11.7	11.7	88.8	89.1	6.8	6.8	6.7	6.7	3	3	-	-	-	-	-	-				
						1.0	0.2	293	25.4	8.0	8.0	11.7	11.7	89.3	89.1	6.8	6.8	6.5	6.5	2	2	-	-	-	-	-	-					
						4.2	0.2	285	25.4	8.0	8.0	12.9	12.9	88.3	88.4	6.7	6.7	7.2	7.2	4	3	-	-	-	-	-	-					
					Middle	4.2	0.2	291	25.4	8.0	8.0	12.9	12.9	88.5	88.4	6.8	6.8	7.5	7.5	3	3	-	-	-	-	-	-	-	-			
						7.4	0.1	12	25.0	8.1	8.1	18.7	18.7	86.6	86.7	6.4	6.4	9.2	9.2	4	4	-	-	-	-	-	-	-				
						7.4	0.1	12	25.1	8.1	8.1	18.7	18.7	86.7	86.7	6.4	6.4	9.2	9.2	3	3	-	-	-	-	-	-					
SR4A	Fine	Calm	09:45	8.8	Surface	1.0	0.2	262	25.8	25.8	8.4	8.4	16.9	16.9	86.8	86.4	6.4	6.4	9.9	9.9	2	2	-	-	-	-	-	-				
						1.0	0.2	285	25.8	8.4	8.4	16.9	16.9	86.0	86.4	6.4	6.4	10.2	10.2	2	2	-	-	-	-	-	-					
						4.4	0.1	251	25.4	8.4	8.4	18.3	18.3	81.7	81.5	6.0	6.0	12.8	12.8	2	2	-	-	-	-	-	-					
					Middle	4.4	0.1	265	25.3	8.4	8.4	18.4	18.4	81.2	81.4	6.0	6.0	12.8	12.8	<2	<2	-	-	-	-	-	-					
						7.8	0.1	264	24.4	8.5	8.5	26.4	26.4	78.9	78.9	5.7	5.7	13.1	13.1	<2	<2	-	-	-	-	-	-					
						7.8	0.1	265	24.4	8.5	8.5	26.4	26.4	78.9	78.9	5.7	5.7	13.1	13.1	2	2	-	-	-	-	-	-					
SR5A	Fine	Calm	09:30	5.2	Surface	1.0	0.2	316	25.7	25.7	8.3	8.3	17.8	17.8	84.5	84.4	6.2	6.2	10.3	10.3	2	2	-	-	-	-	-	-				
						1.0	0.2	334	25.7	8.3	8.3	17.7	17.7	84.3	84.3	6.2	6.2	10.4	10.4	2	2	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.2	0.2	307	25.4	8.3	8.3	19.2	19.2	82.9	83.0	6.1	6.1	11.5	11.5	2	2	-	-	-	-	-	-					
						4.2	0.2	326	25.4	8.3	8.3	19.2	19.2	83.0	83.0	6.1	6.1	11.7	11.7	<2	<2	-	-	-	-	-	-					
SR6	Fine	Calm	09:01	4.5	Surface	1.0	0.0	7	26.0	26.0	8.2	8.2	15.2	15.2	89.7	89.7	6.7	6.7	10.6	10.6	3	3	-	-	-	-	-</					

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 April 19 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	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Cloudy	Rough	18:29	8.6	Surface	1.0	0.2	152	24.7	24.7	8.1	8.1	25.1	25.1	100.0	100.0	7.2	7.1	5.9	4.2	6	5	85	88	815607	804235	<0.2	2.4	<0.2	2.3		
						1.0	0.2	156	24.7	8.1	8.1	25.1	25.1	99.9	99.9	7.2	7.1	5.9	4.2	6	5	85	88	815607	804235	<0.2	2.3	<0.2	2.1			
						4.3	0.1	143	24.5	8.0	8.0	26.1	26.1	97.9	97.9	7.0	7.0	5.2	4.2	3	4	88	88	815607	804235	<0.2	2.1	<0.2	1.9			
					4.3	0.1	145	24.4	8.0	8.0	26.1	26.1	97.9	97.9	7.0	7.0	5.2	4.2	4	4	88	88	815607	804235	<0.2	2.1	<0.2	2.0				
					7.6	0.1	147	24.0	7.9	7.9	29.7	29.7	92.4	92.4	6.6	6.6	1.5	1.5	4	4	92	92	815607	804235	<0.2	2.1	<0.2	2.0				
					7.6	0.1	145	24.0	7.9	7.9	29.7	29.7	92.4	92.4	6.6	6.6	1.5	1.5	4	4	91	91	815607	804235	<0.2	2.0	<0.2	2.0				
C2	Rainy	Rough	17:36	7.9	Surface	1.0	0.3	172	25.7	25.7	8.1	8.1	17.6	17.6	102.8	102.8	7.6	7.6	2.7	2.6	4	4	83	88	825698	806949	<0.2	2.9	<0.2	2.6		
						1.0	0.3	182	25.7	8.1	8.1	17.6	17.6	102.8	102.8	7.6	7.6	2.7	2.6	4	4	84	88	825698	806949	<0.2	2.6	<0.2	2.2			
						4.0	0.2	153	25.7	8.1	8.1	17.6	17.6	103.0	103.1	7.6	7.6	2.7	2.6	3	4	87	88	825698	806949	<0.2	2.2	<0.2	2.4			
					4.0	0.2	169	25.7	8.1	8.1	17.6	17.6	103.1	103.1	7.6	7.6	2.8	2.6	4	4	88	88	825698	806949	<0.2	2.4	<0.2	2.4				
					6.9	0.1	154	25.7	8.1	8.1	17.6	17.6	103.3	103.3	7.6	7.6	2.3	2.3	3	3	92	92	825698	806949	<0.2	2.7	<0.2	2.7				
					6.9	0.1	159	25.7	8.1	8.1	17.6	17.6	103.3	103.3	7.6	7.6	2.4	2.4	3	3	93	93	825698	806949	<0.2	2.7	<0.2	2.7				
C3	Cloudy	Rough	19:56	14.6	Surface	1.0	0.2	157	25.6	25.7	8.2	8.2	19.5	19.5	118.1	118.1	8.6	8.6	2.2	2.2	5	4	83	88	822112	817804	<0.2	2.6	<0.2	2.6		
						1.0	0.2	169	25.7	8.2	8.2	19.5	19.5	118.1	118.1	8.6	8.6	2.2	2.2	4	4	84	88	822112	817804	<0.2	2.6	<0.2	2.7			
						7.3	0.3	128	25.7	8.2	8.2	19.5	19.5	117.9	117.7	8.6	8.6	2.0	2.0	4	4	88	89	822112	817804	<0.2	2.7	<0.2	2.4			
					7.3	0.3	129	25.7	8.2	8.2	19.5	19.5	117.5	117.7	8.6	8.6	2.0	2.0	4	4	89	88	822112	817804	<0.2	2.4	<0.2	2.5				
					13.6	0.2	121	25.3	8.2	8.2	22.3	22.3	107.4	107.4	7.8	7.8	11.9	11.9	4	4	92	92	822112	817804	<0.2	2.5	<0.2	2.4				
					13.6	0.2	127	25.3	8.2	8.2	22.3	22.3	107.4	107.4	7.8	7.8	11.9	11.9	4	4	92	92	822112	817804	<0.2	2.4	<0.2	2.4				
IM1	Rainy	Rough	18:20	5.4	Surface	1.0	0.1	279	24.1	24.1	7.9	7.9	28.1	28.1	93.1	93.2	6.7	6.7	7.3	7.4	9	8	85	88	817970	807127	<0.2	1.8	<0.2	1.5		
						1.0	0.1	297	24.0	7.9	7.9	28.1	28.1	93.3	93.2	6.7	6.7	7.3	7.4	8	8	84	88	817970	807127	<0.2	1.5	<0.2	1.6			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.4	0.1	102	23.9	23.9	7.9	7.9	29.3	29.3	92.9	93.1	6.6	6.7	7.9	7.0	6	8	90	88	817970	807127	<0.2	1.4	<0.2	1.6			
					4.4	0.1	102	23.9	23.9	7.9	7.9	29.3	29.3	93.3	93.1	6.6	6.7	7.0	7.0	6	8	92	88	817970	807127	<0.2	1.6	<0.2	1.6			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Rainy	Rough	18:14	7.2	Surface	1.0	0.1	255	24.2	24.2	8.0	8.0	25.7	25.7	96.5	96.6	7.0	6.9	5.3	4.4	5	6	85	89	818174	806170	<0.2	2.4	<0.2	2.4		
						1.0	0.1	226	24.2	8.0	8.0	25.7	25.7	96.7	96.6	7.0	6.9	5.3	4.4	6	6	84	89	818174	806170	<0.2	2.4	<0.2	2.1			
						3.6	0.1	255	24.1	24.1	8.0	8.0	27.7	27.7	94.4	94.6	6.8	6.8	4.7	4.7	6	6	90	87	818174	806170	<0.2	2.4	<0.2	2.1		
					3.6	0.1	265	24.1	24.1	8.0	8.0	27.7	27.7	94.7	94.6	6.8	6.8	4.7	4.7	8	6	87	88	818174	806170	<0.2	2.1	<0.2	2.3			
					6.2	0.1	132	24.0	24.0	7.9	7.9	28.3	28.3	90.5	90.5	6.5	6.5	3.2	3.4	6	7	93	92	818174	806170	<0.2	2.3	<0.2	2.2			
					6.2	0.1	134	24.0	24.0	7.9	7.9	28.3	28.3	90.5	90.5	6.5	6.5	3.4	3.4	7	7	92	92	818174	806170	<0.2	2.2	<0.2	2.2			
IM3	Rainy	Rough	18:07	7.6	Surface	1.0	0.1	228	24.7	24.7	8.0	8.0	19.6	19.6	97.5	97.5	7.2	7.2	2.9	3.9	7	7	85	88	818805	805607	<0.2	2.3	<0.2	2.3		
						1.0	0.1	233	24.7	8.0	8.0	19.6	19.6	97.5	97.5	7.2	7.2	2.9	3.9	7	7	83	88	818805	805607	<0.2	2.3	<0.2	2.3			
						3.8	0.1	240	24.3	24.3	8.0	8.0	24.4	24.4	96.3	96.6	7.0	7.1	3.7	3.7	8	6	90	88	818805	805607	<0.2	2.4	<0.2	2.3		
					3.8	0.1	251	24.3	24.3	8.0	8.0	24.4	24.4	96.9	96.6	7.1	7.1	3.7	3.7	6	6	88	88	818805	805607	<0.2	2.3	<0.2	2.3			
					6.6	0.2	109	24.5	24.6	7.9	7.9	27.8	27.8	93.5	93.7	6.7	6.7	5.0	5.0	6	6	89	88	818805	805607	<0.2	2.2	<0.2	2.3			
					6.6	0.2	112	24.6	24.6	7.9	7.9	27.8	27.8	93.8	93.7	6.7	6.7	5.0	5.0	6	6	92	88	818805	805607	<0.2	2.3	<0.2	2.3			
IM4	Rainy	Rough	17:57	7.4	Surface	1.0	0.1	214	24.0	24.0	8.0	8.0	28.2	28.2	93.3	93.4	6.7	6.8	1.9	3.2	6	5	84	88	819747	804587	<0.2	2.1	<0.2	2.0		
						1.0	0.1	229	24.0	24.0	8.0	8.0	28.2	28.2	93.4	93.4	6.7	6.8	2.0	3.2	5	5	82	88	819747	804587	<0.2	2.0	<0.2	2.1		
						3.7	0.2	261	24.6	24.7	8.0	8.0	24.3	24.3	94.0	94.2	6.8	6.8	5.9	5.6	4	4	89	88	819747	804587	<0.2	2.3	<0.2	2.1		
					3.7	0.2	263	24.7	24.7	8.0	8.0	24.3	24.3	94.3	94.2	6.8	6.8	5.6	5.6	4	4	88	88	819747	804587	<0.2	2.1	<0.2	2.1			
					6.4	0.0	266	24.5	24.5	8.0	8.0	21.1	21.2	94.1	94.0	7.0	7.0	2.0	2.0	5	5	90	90	819747	804587	<0.2	2.0	<0.2	2.0			
					6.4	0.0	269	24.4	24.4	8.0	8.0	21.2	21.2	93.9	94.0	7.0	7.0	2.0	2.0	4	4	92	92	819747	804587	<0.2	2.3	<0.2	2.3			
IM5	Rainy	Rough	17:43	7.5	Surface	1.0	0.4	207	24.0	24.0	8.0	8.0	28.2	28.2	93.3	93.4	6.7	6.9	1.9	2.3	8	6	85	88	820756	804874	<0.2	2.7	<0.2	2.5		
						1.0	0.5	209	24.0	24.0	8.0	8.0	28.2	28.2	93.4	93.4	6.7	6.9	2.0	2.3	6	6	83	88	820756	804874	<0.2	2.5	<0.2	2.8		
						3.8	0.2	189	24.5	24.5	8.0	8.0	18.6	18.6	93.3	93.2	7.0	7.0	2.9	2.8	5	5	89	89	820756	804874	<0.2	2.8	<0.2	2.8		
					3.8	0.2	201	24.4	24.4	8.0	8.0	18.6	18.6	93.1	93.2	7.0	7.0	2.8	2.8	5	5	89	89	820756	804874	<0.2	2.8	<0.2	2.8			
					6.5	0.2	205	24.2	24.2	7.9	7.9	25.1	25.1	88.2	88.1	6.4	6.4	2.2	2.2													

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 April 19 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	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Rainy	Rough	18:31	7.2	Surface	1.0	0.1	159	25.3	25.3	8.0	8.0	19.0	19.0	95.7	95.7	7.1	7.1	3.4	3.4	4	4	84	84			<0.2	2.9	2.9				
						1.0	0.1	171	25.3	25.3	8.0	8.0	19.0	19.0	95.7	95.7	7.1	7.1	3.5	3.5	5	5	86	86			<0.2	2.9					
						3.6	0.1	141	25.3	25.3	8.0	8.0	19.0	19.0	95.4	95.4	7.0	7.0	3.6	3.6	4	4	88	88			<0.2	3.0					
					3.6	0.1	143	25.3	25.3	8.0	8.0	19.0	19.0	95.3	95.3	7.0	7.0	3.6	3.6	6	6	90	90			<0.2	3.0						
					6.2	0.1	166	25.2	25.2	8.0	8.0	19.6	19.6	93.9	93.9	6.9	6.9	5.1	5.1	6	6	91	91			<0.2	2.8						
					6.2	0.1	167	25.2	25.2	8.0	8.0	19.6	19.6	94.0	94.0	6.9	6.9	5.1	5.1	6	6	92	92			<0.2	2.9						
IM10	Rainy	Rough	18:41	7.7	Surface	1.0	0.1	122	25.4	25.4	8.0	8.0	18.5	18.5	97.9	97.9	7.2	7.2	6.4	6.4	5	5	84	84			<0.2	2.9	3.0				
						1.0	0.2	122	25.4	25.4	8.0	8.0	18.5	18.5	97.9	97.9	7.2	7.2	6.4	6.4	6	6	86	86			<0.2	3.1					
						3.9	0.1	161	25.4	25.4	8.0	8.0	18.6	18.6	96.2	96.1	7.1	7.1	3.9	3.9	6	6	88	88			<0.2	2.8					
					3.9	0.1	171	25.3	25.3	8.0	8.0	18.6	18.6	96.0	96.0	7.1	7.1	4.0	4.0	5	5	90	90			<0.2	3.1						
					6.7	0.1	162	25.3	25.3	8.0	8.0	19.3	19.3	95.6	95.6	7.0	7.0	4.2	4.2	7	7	92	92			<0.2	3.0						
					6.7	0.1	162	25.3	25.3	8.0	8.0	19.3	19.3	95.6	95.6	7.0	7.0	4.1	4.1	6	6	93	93			<0.2	2.9						
IM11	Rainy	Rough	18:54	7.5	Surface	1.0	0.1	165	25.7	25.7	8.1	8.1	17.7	17.7	104.1	104.2	7.7	7.7	3.1	3.1	5	5	85	85			<0.2	3.0	3.1				
						1.0	0.1	172	25.7	25.7	8.1	8.1	17.7	17.7	104.2	104.2	7.7	7.7	3.2	3.2	4	4	86	86			<0.2	3.1					
						3.8	0.2	161	25.7	25.7	8.1	8.1	17.7	17.7	104.8	104.8	7.7	7.7	2.9	2.9	6	6	88	88			<0.2	3.1					
					3.8	0.2	170	25.7	25.7	8.1	8.1	17.7	17.7	104.8	104.8	7.7	7.7	3.0	3.0	4	4	90	90			<0.2	3.1						
					6.5	0.2	156	25.6	25.6	8.1	8.1	18.1	18.1	103.9	103.9	7.7	7.7	3.4	3.4	6	6	91	91			<0.2	3.0						
					6.5	0.2	177	25.6	25.6	8.1	8.1	18.1	18.1	103.8	103.8	7.7	7.7	3.3	3.3	5	5	93	93			<0.2	3.1						
IM12	Rainy	Rough	19:15	7.4	Surface	1.0	0.2	160	25.7	25.8	8.1	8.1	18.9	18.9	107.4	107.4	7.9	7.9	2.9	2.9	5	5	84	84			<0.2	3.1	3.0				
						1.0	0.3	176	25.8	25.8	8.1	8.1	18.9	18.9	107.4	107.4	7.9	7.9	2.8	2.8	6	6	86	86			<0.2	3.0					
						3.7	0.0	177	25.8	25.8	8.1	8.1	18.9	18.9	107.3	107.3	7.9	7.9	3.5	3.5	4	4	88	88			<0.2	3.2					
					3.7	0.0	178	25.7	25.7	8.1	8.1	18.9	18.9	107.3	107.3	7.9	7.9	3.5	3.5	4	4	90	90			<0.2	3.2						
					6.4	0.1	128	25.7	25.7	8.2	8.2	18.9	18.9	107.1	107.0	7.8	7.8	4.5	4.5	4	4	92	92			<0.2	2.6						
					6.4	0.1	131	25.7	25.7	8.2	8.2	18.9	18.9	106.9	107.0	7.8	7.8	4.5	4.5	5	5	93	93			<0.2	2.7						
SR1A	Cloudy	Rough	19:30	3.9	Surface	1.0	-	-	25.9	25.9	8.1	8.1	18.5	18.5	105.8	105.8	7.8	7.8	4.4	4.4	3	3	-	-			-	-	-	-			
						1.0	-	-	25.9	25.9	8.1	8.1	18.5	18.5	105.7	105.7	7.8	7.8	4.4	4.4	4	4	-	-			-	-	-	-			
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	3	-	-	-	-	-	-	
					2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					2.9	-	-	25.8	25.8	8.1	8.1	18.7	18.7	103.8	103.8	7.6	7.6	4.8	4.8	4	4	-	-	-	-	-	-	-	-	-	-	-	
					2.9	-	-	25.8	25.8	8.1	8.1	18.7	18.7	103.7	103.7	7.6	7.6	4.8	4.8	2	2	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Rough	19:31	4.0	Surface	1.0	0.1	76	25.8	25.8	8.1	8.1	18.8	18.8	108.6	108.6	8.0	8.0	2.5	2.5	4	4	83	83			<0.2	3.1	3.2				
						1.0	0.1	85	25.8	25.8	8.1	8.1	18.8	18.8	108.6	108.6	8.0	8.0	2.6	2.6	2	2	84	84			<0.2	3.2					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	3	-	-		-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					3.0	0.1	82	25.7	25.7	8.1	8.1	18.8	18.8	108.0	108.0	7.9	7.9	5.6	5.6	4	4	89	89			<0.2	3.1						
					3.0	0.1	96	25.7	25.7	8.1	8.1	18.8	18.8	107.9	108.0	7.9	7.9	5.6	5.6	3	3	91	91			<0.2	3.4						
SR3	Rainy	Rough	17:58	7.6	Surface	1.0	0.4	145	25.4	25.4	8.0	8.0	18.9	18.9	94.3	94.3	7.0	7.0	3.1	3.1	4	4	-	-			-	-	-	-			
						1.0	0.4	163	25.4	25.4	8.0	8.0	18.9	18.9	94.3	94.3	7.0	7.0	3.1	3.1	4	4	-	-	-	-	-	-	-	-	-	-	
						3.8	0.3	196	25.3	25.3	8.0	8.0	19.1	19.1	93.5	93.5	6.9	6.9	3.5	3.5	4	4	-	-	-	-	-	-	-	-	-	-	-
					3.8	0.3	205	25.3	25.3	8.0	8.0	19.1	19.1	93.4	93.5	6.9	6.9	3.5	3.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-
					6.6	0.0	154	25.3	25.3	8.0	8.0	19.8	19.8	93.5	93.6	6.9	6.9	3.2	3.2	4	4	-	-	-	-	-	-	-	-	-	-	-	-
					6.6	0.0	157	25.3	25.3	8.0	8.0	19.8	19.8	93.6	93.6	6.9	6.9	3.2	3.2	4	4	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	18:40	8.1	Surface	1.0	0.1	46	25.6	25.6	8.3	8.3	18.1	18.1	112.8	112.6	8.3	8.3	9.1	9.1	5	5	-	-			-	-	-	-			
						1.0	0.1	52	25.6	25.6	8.3	8.3	18.1	18.1	112.3	112.3	8.3	8.3	8.9	8.9	6	6	-	-	-	-	-	-	-	-	-	-	
						4.1	0.2	53	24.4	24.4	8.0	8.0	26.1	26.1	98.1	98.1	7.1	7.1	9.6	9.6	6	6	-	-	-	-	-	-	-	-	-	-	
					4.1	0.2	56	24.4	24.4	8.0	8.0	26.1	26.1	98.1	98.1	7.1	7.1	9.4	9.4	5	5	-	-	-	-	-	-	-	-	-	-	-	-
					7.1	0.2	30	24.5	24.6	7.9	7.9	26.6	26.6	97.7	97.8	7.0	7.0	6.5	6.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-
					7.1	0.2	31	24.6	24.6	7.9	7.9	26.5	26.5	97.8	97.8	7.0	7.0	6.5	6.5	5	5	-	-	-	-	-	-	-	-	-	-	-	-
SR5A	Cloudy	Moderate	18:58	4.6	Surface	1.0	0.1	33	25.7	25.7	8.3	8.3	17.7	17.7	116.5	116.3	8.6	8.6	3.0	3.0	7	7	-	-			-	-	-	-			
						1.0	0.1	33	25.6	25.6	8.3	8.3	17.8	17.8	116.1	116.1	8.6	8.6	3.1	3.1	7	7	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	7	-	-	-	-	-	-
					3.6	0.1	95	25.0	25.0	8.0	8.0	22.7	22.7	100.7	100.6	7.3	7.3	2.5	2														

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 April 19 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	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	07:05	8.0	Surface	1.0	0.1	311	25.3	25.3	8.0	8.0	18.3	18.3	93.0	93.0	6.9	6.8	4.7	7	83	88	88	822106	808790	<0.2	2.4	<0.2	2.4					
						1.0	0.1	316	25.3	25.3	8.0	8.0	18.3	18.3	6.9	6.8	4.7	6	84	88	88	822106	808790	<0.2	2.4	<0.2	2.4							
						4.0	0.3	323	25.3	25.3	8.0	8.0	18.9	18.9	91.0	91.0	6.7	6.7	4.2	5	88	88	88	822106	808790	<0.2	2.4	<0.2	2.4					
					4.0	0.3	325	25.3	25.3	8.0	8.0	18.9	18.9	91.0	91.0	6.7	6.7	4.3	6	88	88	88	822106	808790	<0.2	2.4	<0.2	2.4						
					7.0	0.2	353	25.2	25.2	8.0	8.0	19.4	19.4	91.0	91.1	6.7	6.7	6.5	6	92	88	88	822106	808790	<0.2	2.5	<0.2	2.5						
					7.0	0.2	356	25.2	25.2	8.0	8.0	19.4	19.4	91.1	91.1	6.7	6.7	6.5	5	92	88	88	822106	808790	<0.2	2.5	<0.2	2.5						
IM10	Cloudy	Moderate	06:58	8.4	Surface	1.0	0.0	291	25.4	25.4	8.0	8.0	18.0	18.0	93.7	93.7	6.9	7.0	21.4	5	84	89	89	822403	809806	<0.2	2.4	<0.2	2.3					
						1.0	0.0	298	25.4	25.4	8.0	8.0	18.0	18.0	93.7	93.7	6.9	7.0	21.3	4	84	89	89	822403	809806	<0.2	2.4	<0.2	2.3					
						4.2	0.2	301	25.4	25.4	8.0	8.0	17.8	17.8	94.5	94.5	7.0	7.0	4.4	6	89	89	89	822403	809806	<0.2	2.4	<0.2	2.4					
					4.2	0.2	305	25.4	25.4	8.0	8.0	17.8	17.8	94.4	94.4	7.0	7.0	4.4	5	89	89	89	822403	809806	<0.2	2.5	<0.2	2.4						
					7.4	0.1	347	25.3	25.3	8.0	8.0	18.6	18.6	93.2	93.3	6.9	6.9	13.5	4	93	89	89	822403	809806	<0.2	2.4	<0.2	2.4						
					7.4	0.1	358	25.3	25.3	8.0	8.0	18.6	18.6	93.3	93.3	6.9	6.9	13.5	5	93	89	89	822403	809806	<0.2	2.4	<0.2	2.3						
IM11	Cloudy	Moderate	06:48	8.7	Surface	1.0	0.1	268	25.6	25.6	8.0	8.0	16.9	16.9	100.2	100.2	7.4	7.4	2.3	2	83	88	88	822033	811477	<0.2	2.5	<0.2	2.5					
						1.0	0.1	272	25.6	25.6	8.0	8.0	16.9	16.9	100.2	100.2	7.4	7.4	2.3	3	84	88	88	822033	811477	<0.2	2.5	<0.2	2.5					
						4.4	0.1	246	25.6	25.6	8.0	8.0	17.1	17.1	98.3	98.2	7.3	7.3	2.5	2	88	88	88	822033	811477	<0.2	2.4	<0.2	2.5					
					4.4	0.1	255	25.5	25.5	8.0	8.0	17.1	17.1	98.1	98.2	7.3	7.3	2.6	<2	88	88	88	822033	811477	<0.2	2.5	<0.2	2.5						
					7.7	0.1	287	25.5	25.5	8.0	8.0	17.9	17.9	97.5	97.5	7.2	7.2	15.9	<2	92	88	88	822033	811477	<0.2	2.6	<0.2	2.5						
					7.7	0.1	292	25.5	25.5	8.0	8.0	17.9	17.9	97.5	97.5	7.2	7.2	16.0	<2	93	88	88	822033	811477	<0.2	2.5	<0.2	2.5						
IM12	Cloudy	Moderate	06:41	8.6	Surface	1.0	0.0	256	25.6	25.6	8.0	8.0	16.3	16.3	98.5	98.5	7.3	7.3	2.6	5	83	87	87	821437	812065	<0.2	2.4	<0.2	2.5					
						1.0	0.0	267	25.6	25.6	8.0	8.0	16.3	16.3	98.5	98.5	7.3	7.3	2.6	4	83	87	87	821437	812065	<0.2	2.5	<0.2	2.5					
						4.3	0.2	270	25.6	25.6	8.0	8.0	16.6	16.6	97.9	97.8	7.3	7.3	2.6	3	88	87	87	821437	812065	<0.2	2.5	<0.2	2.5					
					4.3	0.2	255	25.6	25.6	8.0	8.0	16.6	16.6	97.7	97.8	7.3	7.3	2.6	2	89	87	87	821437	812065	<0.2	2.4	<0.2	2.4						
					7.6	0.1	275	25.3	25.3	8.0	8.0	20.3	20.3	94.4	94.5	6.9	6.9	4.5	3	91	87	87	821437	812065	<0.2	2.5	<0.2	2.4						
					7.6	0.1	278	25.3	25.3	8.0	8.0	20.3	20.3	94.5	94.5	6.9	6.9	4.5	2	88	87	87	821437	812065	<0.2	2.4	<0.2	2.4						
SR1A	Cloudy	Moderate	06:14	5.3	Surface	1.0	-	-	25.7	25.7	8.0	8.0	16.9	16.9	98.8	98.8	7.3	7.3	2.4	<2	-	-	-	819971	812658	-	-	-	-					
						1.0	-	-	25.7	25.7	8.0	8.0	16.9	16.9	98.8	98.8	7.3	7.3	2.4	3	-	-	-	819971	812658	-	-	-	-					
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812658	-	-	-	-			
					2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812658	-	-	-	-			
					4.3	-	-	25.6	25.6	8.0	8.0	16.9	16.9	99.1	99.1	7.4	7.4	2.3	3	-	-	-	-	-	-	819971	812658	-	-	-	-			
					4.3	-	-	25.6	25.6	8.0	8.0	16.9	16.9	99.1	99.1	7.4	7.4	2.2	4	-	-	-	-	-	-	819971	812658	-	-	-	-			
SR2	Cloudy	Moderate	06:00	5.8	Surface	1.0	0.0	231	25.6	25.6	8.0	8.0	17.4	17.4	99.0	99.0	7.3	7.3	2.0	2	83	88	88	821445	814146	<0.2	2.4	<0.2	2.4					
						1.0	0.0	232	25.6	25.6	8.0	8.0	17.4	17.4	99.0	99.0	7.3	7.3	2.0	4	84	88	88	821445	814146	<0.2	2.4	<0.2	2.4					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821445	814146	<0.2	2.4	<0.2	2.4		
					4.8	0.1	229	25.6	25.6	8.0	8.0	17.1	17.1	98.7	98.7	7.3	7.3	7.5	4	92	88	88	821445	814146	<0.2	2.4	<0.2	2.4						
					4.8	0.2	241	25.6	25.6	8.0	8.0	17.1	17.1	98.7	98.7	7.3	7.3	7.5	5	92	88	88	821445	814146	<0.2	2.4	<0.2	2.4						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821445	814146	<0.2	2.4	<0.2	2.4		
SR3	Cloudy	Moderate	07:17	8.2	Surface	1.0	0.3	24	25.2	25.2	7.9	7.9	18.6	18.6	91.4	91.4	6.8	6.8	5.0	9	-	-	-	822136	807549	-	-	-	-					
						1.0	0.3	23	25.2	25.2	7.9	7.9	18.6	18.6	91.4	91.4	6.8	6.8	5.0	10	-	-	-	-	-	822136	807549	-	-	-	-			
						4.1	0.3	22	25.2	25.2	7.9	7.9	18.5	18.5	91.9	91.9	6.8	6.8	5.4	8	-	-	-	-	-	822136	807549	-	-	-	-			
					4.1	0.3	23	25.2	25.2	7.9	7.9	18.5	18.5	91.8	91.9	6.8	6.8	5.3	9	-	-	-	-	-	822136	807549	-	-	-	-				
					7.2	0.2	27	25.1	25.1	8.0	8.0	20.1	20.1	90.4	90.5	6.7	6.7	8.6	6	-	-	-	-	-	822136	807549	-	-	-	-				
					7.2	0.2	25	25.1	25.1	8.0	8.0	20.1	20.1	90.5	90.5	6.7	6.7	8.5	5	-	-	-	-	-	822136	807549	-	-	-	-				
SR4A	Cloudy	Moderate	06:22	8.6	Surface	1.0	0.1	215	24.8	24.8	8.0	8.0	21.8	21.8	97.4	97.3	7.1	7.1	2.5	5	-	-	-	817192	807832	-	-	-	-					
						1.0	0.1	224	24.8	24.8	8.0	8.0	21.8	21.8	97.2	97.2	7.1	7.1	2.6	6	-	-	-	-	-	817192	807832	-	-	-	-			
						4.3	0.1	281	24.7	24.7	8.0	8.0	21.9	21.9	96.7	96.7	7.1	7.1	2.7	4	-	-	-	-	-	817192	807832	-	-	-	-			
					4.3	0.2	286	24.7	24.7	8.0	8.0	21.9	21.9	96.7	96.7	7.1	7.1	2.7	6	-	-	-	-	-	817192	807832	-	-	-	-				
					7.6	0.2	224	24.6	24.6	8.0	8.0	24.1	24.1	97.7	97.9	7.1	7.1	3.7	10	-	-	-	-	-	817192	807832	-	-	-	-				
					7.6	0.2	231	24.6	24.6	8.0	8.0	24.1	24.1	98.0	97.9	7.1	7.1	3.8	9	-	-	-	-	-	817192	807832	-	-	-	-				
SR5A	Cloudy	Moderate	06:04	4.6	Surface	1.0	0.1	317	25.6	25.6	8.1	8.1	17.1	17.1	10																			

Expansion of Hong Kong International Airport into a Three-Runway System
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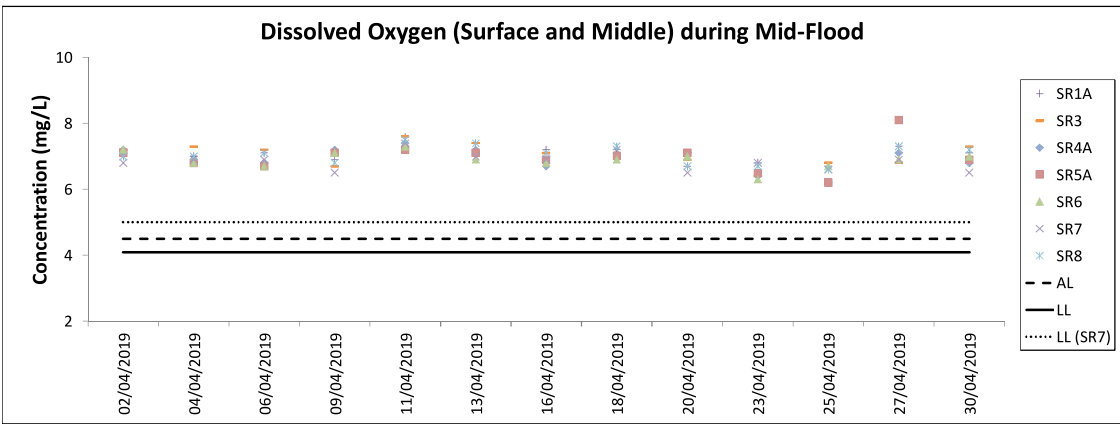
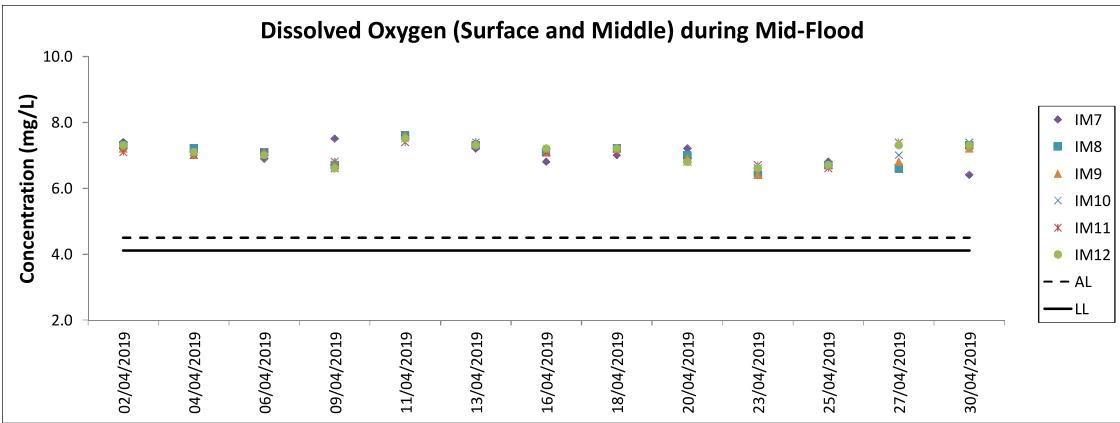
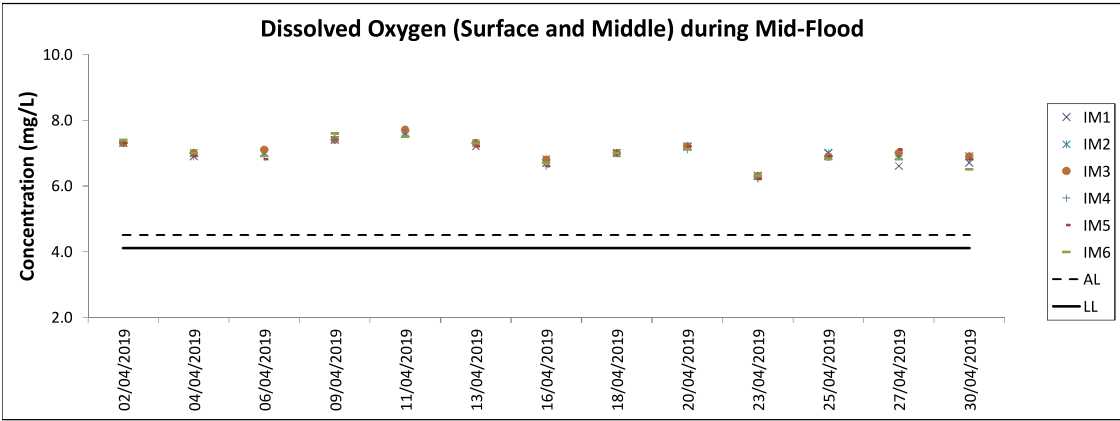
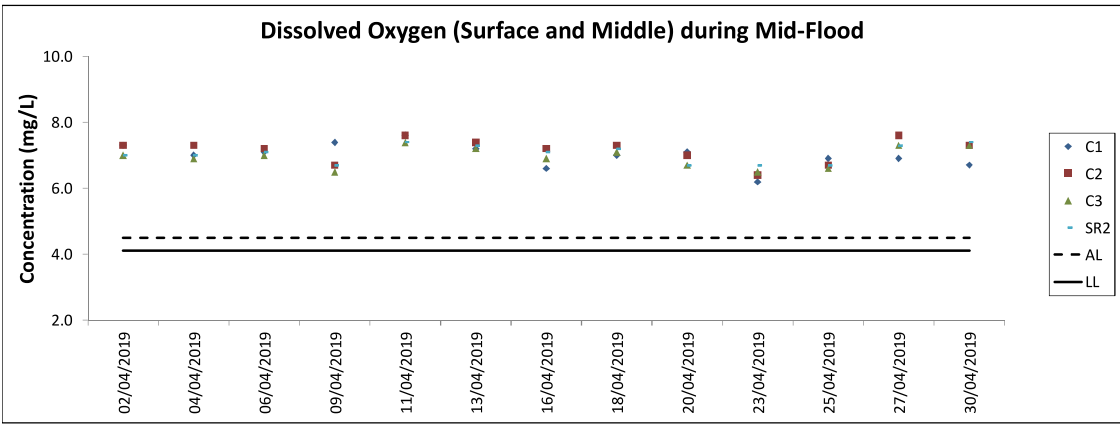
Water Quality Monitoring Results on **30 April 19** during Mid-Ebb Tide

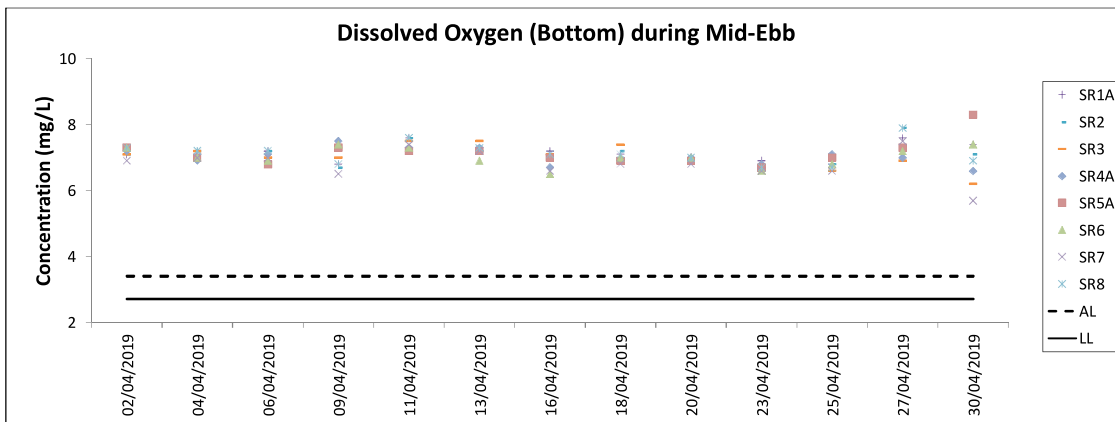
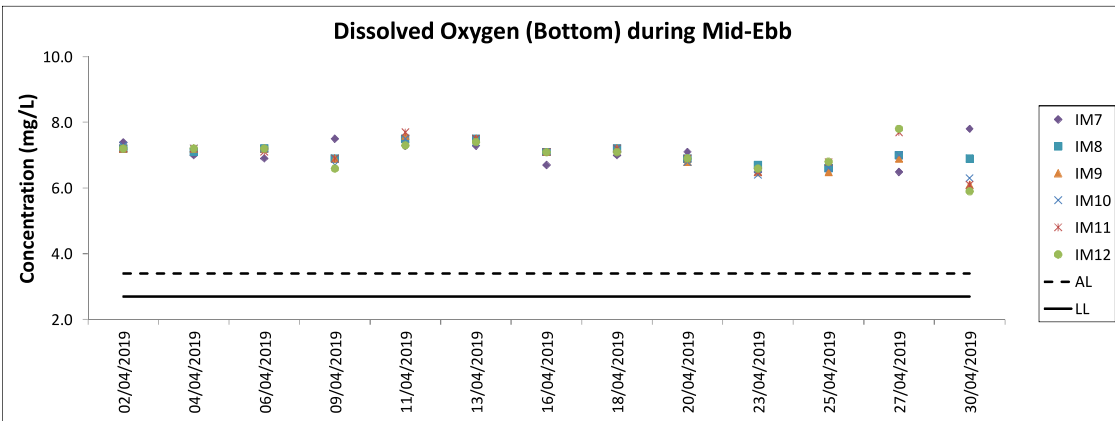
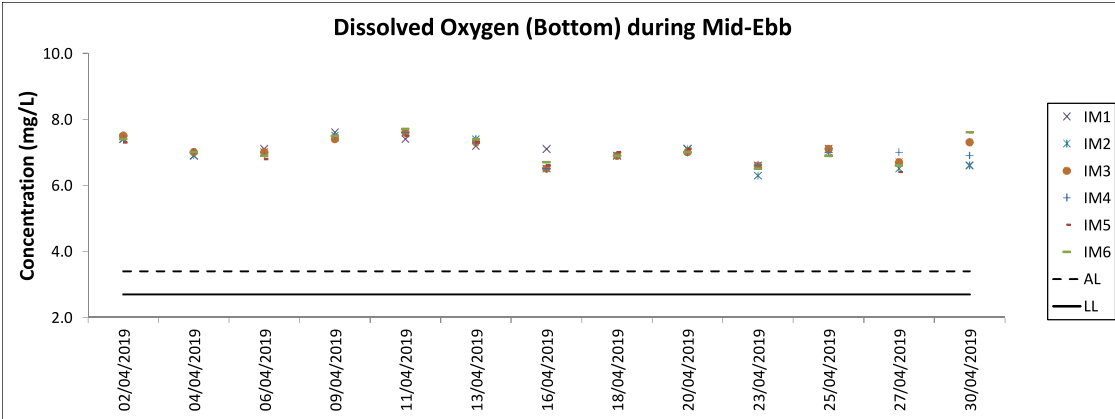
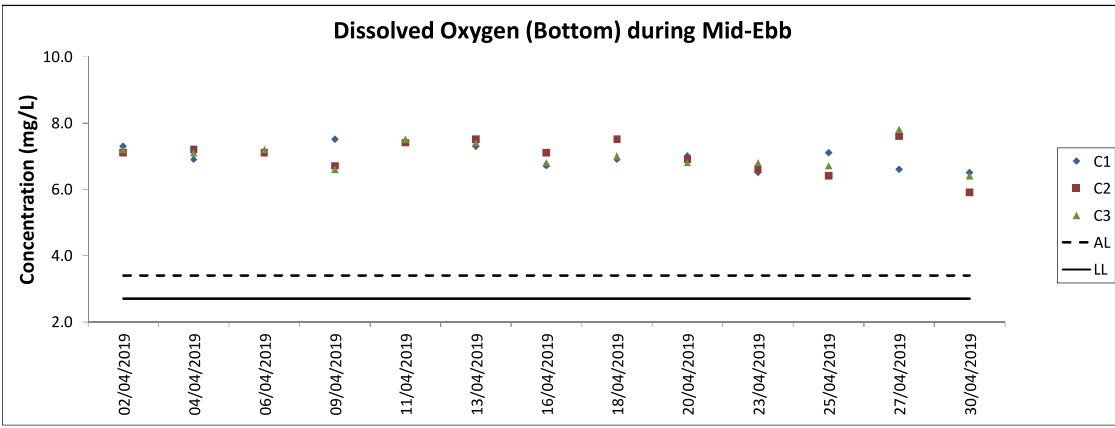
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Value	DA				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
IM9	Rainy	Rough	11:57	7.2	Surface	1.0	0.7	86	25.6	25.6	8.0	8.0	14.5	14.5	91.5	91.5	6.9	6.9	9.8	9.8	5	6	84	86	822093	808828	<0.2	2.0	<0.2	2.1					
						1.0	0.7	88	25.6	8.0	8.0	14.5	14.5	91.5	91.5	6.9	6.9	9.8	9.8	6	6	85	86	<0.2	2.0	<0.2	2.1								
						3.6	0.7	95	25.4	8.1	8.1	19.5	19.5	84.4	84.4	6.2	6.2	9.3	9.3	7	6	85	86	<0.2	2.2	<0.2	2.2								
					Middle	3.6	0.7	100	25.4	25.4	8.1	8.1	19.5	19.5	84.4	84.4	6.2	6.2	9.3	9.3	6	6	85	86	<0.2	2.2	<0.2	2.2							
						6.2	0.4	80	25.0	25.0	8.1	8.1	24.3	24.3	84.3	84.3	6.1	6.1	9.5	9.5	6	6	88	86	<0.2	2.2	<0.2	2.2							
						6.2	0.4	84	25.0	25.0	8.1	8.1	24.3	24.3	84.3	84.3	6.1	6.1	9.5	9.5	6	6	89	86	<0.2	2.2	<0.2	2.2							
					IM10	Rainy	Rough	11:42	7.9	Surface	1.0	0.7	100	25.6	25.6	7.9	7.9	14.0	14.0	92.0	92.0	7.0	7.0	10.0	10.0	6	6	85	88	822399	809808	<0.2	2.0	<0.2	2.1
											1.0	0.8	108	25.6	25.6	7.9	7.9	14.0	14.0	92.0	92.0	7.0	7.0	10.0	10.0	6	6	85	88	<0.2	2.2	<0.2	2.2		
											4.0	0.5	96	25.2	25.2	7.9	7.9	22.3	22.3	85.5	85.5	6.2	6.2	9.3	9.3	6	6	88	88	<0.2	2.2	<0.2	2.2		
Middle	4.0	0.5	96	25.2						25.2	7.9	7.9	22.3	22.3	85.5	85.5	6.2	6.2	9.3	9.3	5	6	89	88	<0.2	2.2	<0.2	2.2							
	6.9	0.3	90	25.0						25.0	7.9	7.9	27.1	27.2	87.9	88.1	6.2	6.2	9.5	9.5	6	6	89	88	<0.2	2.1	<0.2	2.1							
	6.9	0.3	92	25.0						25.0	7.9	7.9	27.2	27.2	88.3	88.3	6.3	6.3	9.5	9.5	6	6	90	88	<0.2	2.0	<0.2	2.0							
IM11	Rainy	Rough	11:26	7.6						Surface	1.0	0.7	103	25.6	25.6	7.9	7.9	14.6	14.6	93.0	93.0	7.0	7.0	10.3	10.3	7	6	85	87	822061	811465	<0.2	2.0	<0.2	2.2
											1.0	0.7	104	25.6	25.6	7.9	7.9	14.6	14.6	93.0	93.0	7.0	7.0	10.3	10.3	6	6	85	85	<0.2	2.2	<0.2	2.2		
											3.8	0.7	104	25.4	25.4	7.9	7.9	20.3	20.3	88.1	88.1	6.4	6.4	10.3	10.3	7	6	85	85	<0.2	2.1	<0.2	2.3		
					Middle	3.8	0.7	104	25.4	25.4	7.9	7.9	20.3	20.3	88.1	88.1	6.4	6.4	10.3	10.3	6	6	85	85	<0.2	2.1	<0.2	2.3							
						6.6	0.2	116	24.9	24.9	7.8	7.8	25.3	25.3	84.4	84.4	6.1	6.1	10.8	10.8	6	6	89	88	<0.2	2.2	<0.2	2.2							
						6.6	0.2	126	24.9	24.9	7.8	7.8	25.3	25.3	84.4	84.4	6.1	6.1	10.8	10.8	7	6	90	88	<0.2	2.2	<0.2	2.2							
					IM12	Rainy	Moderate	11:18	8.3	Surface	1.0	0.5	87	25.7	25.7	7.9	7.9	13.9	13.9	89.1	89.1	6.7	6.7	11.0	11.0	8	8	84	87	821455	812024	<0.2	2.3	<0.2	2.2
											1.0	0.5	88	25.7	25.7	7.9	7.9	13.9	13.9	89.1	89.1	6.7	6.7	11.0	11.0	8	8	85	85	<0.2	2.2	<0.2	2.2		
											4.2	0.6	113	25.2	25.2	7.8	7.8	20.4	20.4	82.5	82.5	6.1	6.1	10.7	10.7	7	8	85	89	<0.2	2.2	<0.2	2.2		
Middle	4.2	0.6	120	25.2						25.2	7.8	7.8	20.4	20.4	82.5	82.5	6.1	6.1	10.7	10.7	8	8	89	89	<0.2	2.2	<0.2	2.2							
	7.3	0.1	143	25.0						25.0	7.8	7.8	24.7	24.7	82.5	82.5	5.9	5.9	10.7	10.7	8	8	89	89	<0.2	2.1	<0.2	2.1							
	7.3	0.1	149	25.0						25.0	7.8	7.8	24.7	24.7	82.5	82.5	5.9	5.9	10.7	10.7	8	8	90	89	<0.2	2.0	<0.2	2.0							
SR1A	Cloudy	Moderate	10:58	4.7						Surface	1.0	-	-	25.7	25.7	8.0	8.0	15.4	15.4	101.1	101.1	7.6	7.6	10.4	10.4	6	6	-	-	819971	812664	-	-	-	-
											1.0	-	-	25.7	25.7	8.0	8.0	15.4	15.4	101.1	101.1	7.6	7.6	10.4	10.4	6	6	-	-	-	-	-	-	-	-
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.7	-	-	25.7	25.7	8.0	8.0	17.9	17.9	100.0	100.0	7.4	7.4	10.1	10.1	6	6	-	-	-	-	-	-	-	-	-	-	-		
						3.7	-	-	25.7	25.7	8.0	8.0	17.9	17.9	100.0	100.0	7.4	7.4	10.1	10.1	7	6	-	-	-	-	-	-	-	-	-	-	-		
					SR2	Cloudy	Moderate	10:43	5.0	Surface	1.0	0.3	105	25.8	25.8	7.9	7.9	13.0	13.0	97.7	97.7	7.4	7.4	10.7	10.7	6	7	85	87	821457	814184	<0.2	2.2	<0.2	2.3
											1.0	0.4	109	25.8	25.8	7.9	7.9	13.0	13.0	97.7	97.7	7.4	7.4	10.7	10.7	7	7	85	85	<0.2	2.2	<0.2	2.2		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4.0	0.1	141	25.6						25.6	8.0	8.0	16.8	16.8	95.4	95.4	7.1	7.1	11.1	11.1	6	6	88	88	<0.2	2.4	<0.2	2.4							
	4.0	0.1	144	25.6						25.6	8.0	8.0	16.8	16.8	95.4	95.4	7.1	7.1	11.1	11.1	7	7	88	88	<0.2	2.4	<0.2	2.4							
SR3	Rainy	Rough	12:12	8.2						Surface	1.0	0.6	197	25.6	25.6	7.9	7.9	14.7	14.7	94.0	94.0	7.1	7.1	9.9	9.9	4	4	-	-	822145	807585	-	-	-	-
											1.0	0.6	202	25.6	25.6	7.9	7.9	14.7	14.7	94.0	94.0	7.1	7.1	9.9	9.9	4	4	-	-	-	-	-	-	-	-
											4.1	0.4	178	25.3	25.3	7.9	7.9	17.3	17.3	85.1	85.1	6.3	6.3	10.3	10.3	5	6	-	-	-	-	-	-	-	-
					Middle	4.1	0.5	177	25.3	25.3	7.9	7.9	17.3	17.3	85.1	85.1	6.3	6.3	10.3	10.3	6	6	-	-	-	-	-	-	-	-	-				
						7.2	0.3	189	25.1	25.1	7.8	7.8	25.1	25.1	87.2	87.2	6.2	6.2	12.5	12.5	5	6	-	-	-	-	-	-	-	-					
						7.2	0.4	192	25.1	25.1	7.8	7.8	25.1	25.1	87.2	87.2	6.2	6.2	12.5	12.5	6	6	-	-	-	-	-	-	-	-					
					SR4A	Rainy	Rough	10:03	9.6	Surface	1.0	0.1	80	25.9	25.9	8.1	8.1	12.9	12.9	102.2	102.2	7.7	7.7	4.7	4.7	4	4	-	-	817181	807793	-	-	-	-
											1.0	0.1	82	25.9	25.9	8.1	8.1	12.9	12.9	102.1	102.1	7.7	7.7	4.8	4.8	4	4	-	-	-	-	-	-	-	
											4.8	0.2	65	25.2	25.2	8.1	8.1	23.0	23.0	94.7	94.7	6.8	6.8	12.9	12.9	7	7	-	-	-	-	-	-		
Middle	4.8	0.3	68	25.2						25.2	8.1	8.1	23.0	23.0	94.7	94.7	6.8	6.8	12.9	12.9	7	7	-	-	-	-	-	-	-						
	8.6	0.3	64	25.0						25.0	8.1	8.1	26.8	26.8	92.4	92.4	6.6	6.6	13.3	13.3	14	14	-	-	-	-	-	-							
	8.6	0.3	66	25.0						25.0	8.1	8.1	26.8	26.8	92.4	92.4	6.6	6.6	13.2	13.2	14	14	-	-	-	-	-	-							
SR5A	Misty	Rough	09:40	4.1						Surface	1.0	0.0	112	26.1	26.1	8.3	8.3	14.7	14.7	113.5	113.5	8.5	8.5	5.2	5.2	5	5	-	-	816573	810702	-	-	-	-
											1.0	0.0	117	26.1	26.1	8.3	8.3	14.7	14.7	113.4	113.4	8.5	8.5	5.1	5.1	5	5	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-																													

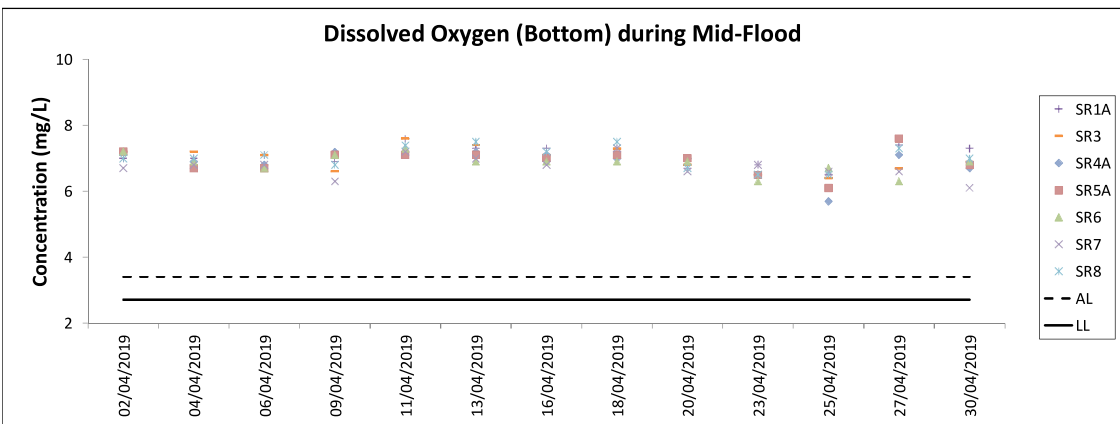
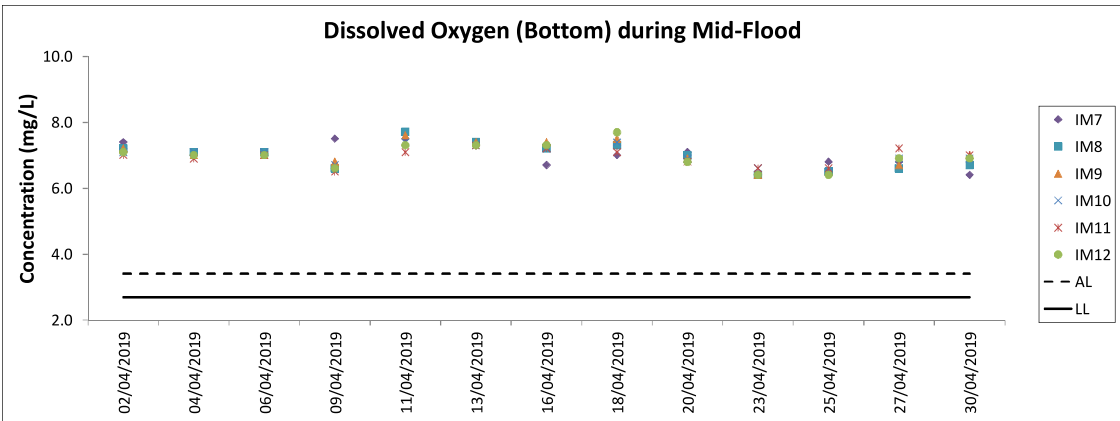
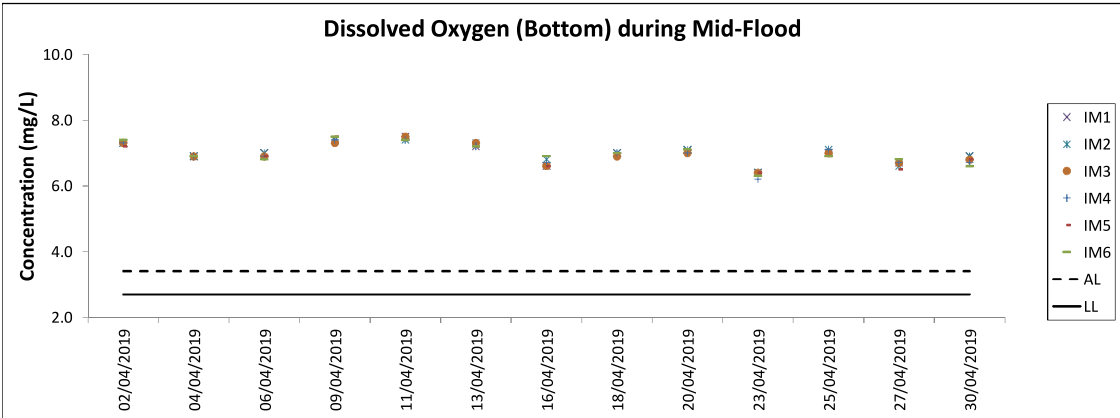
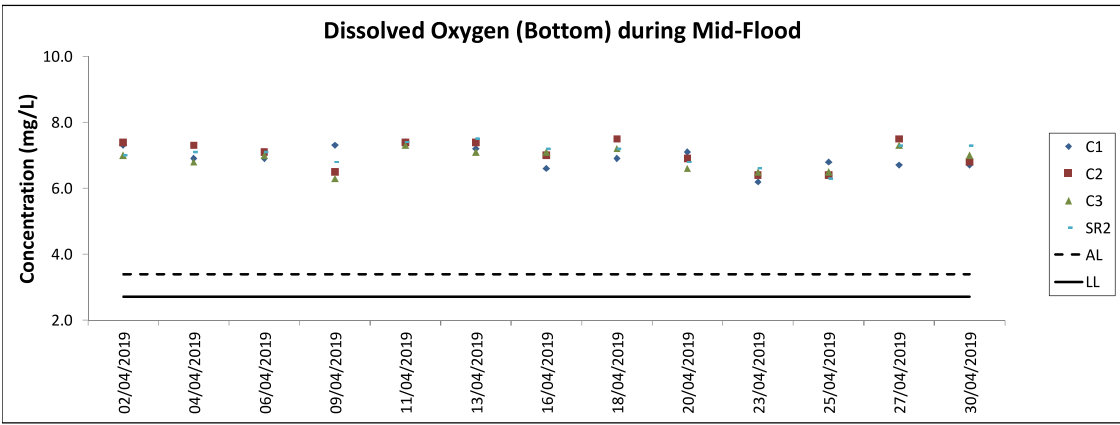
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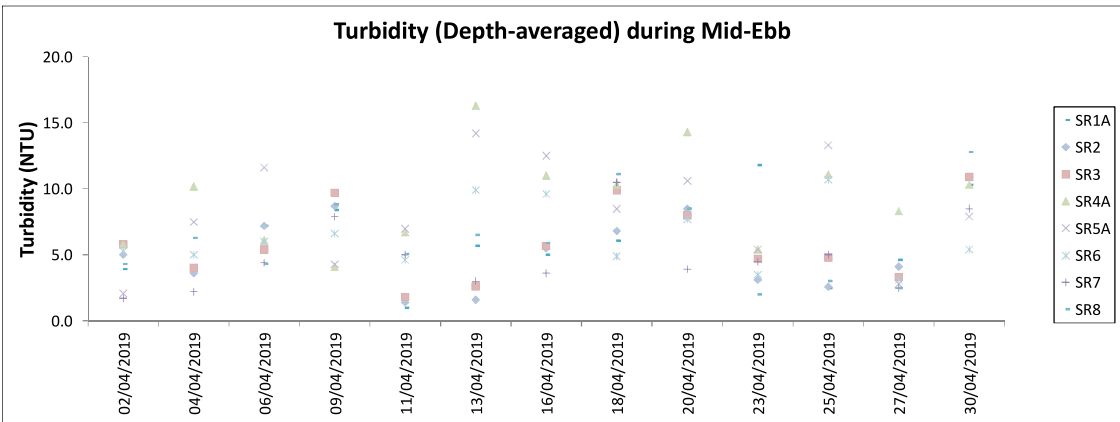
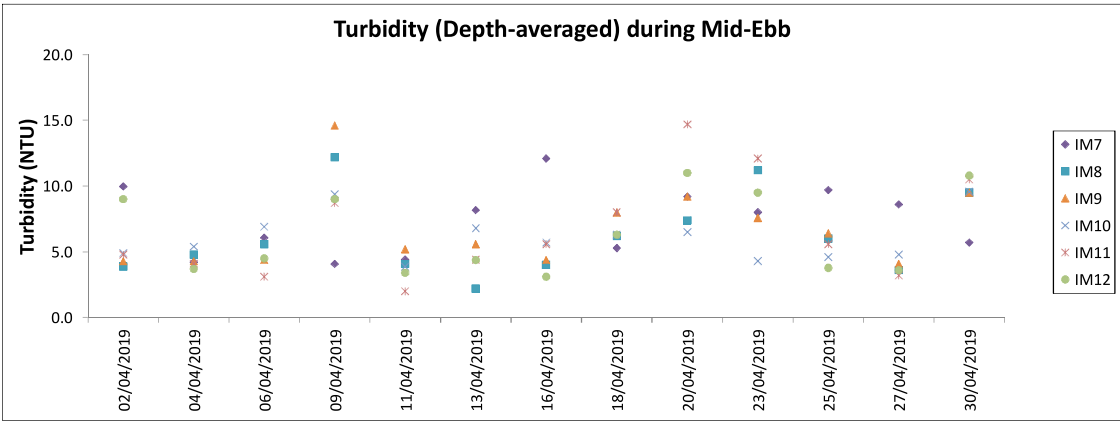
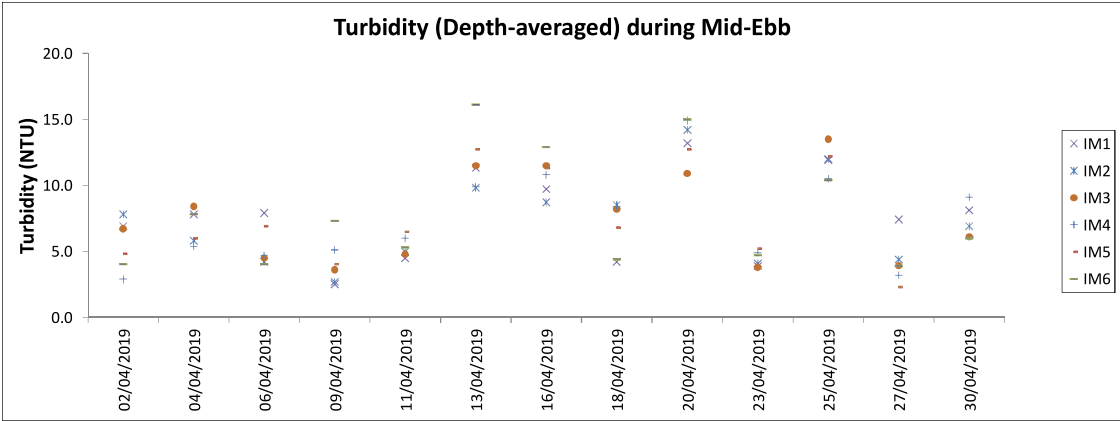
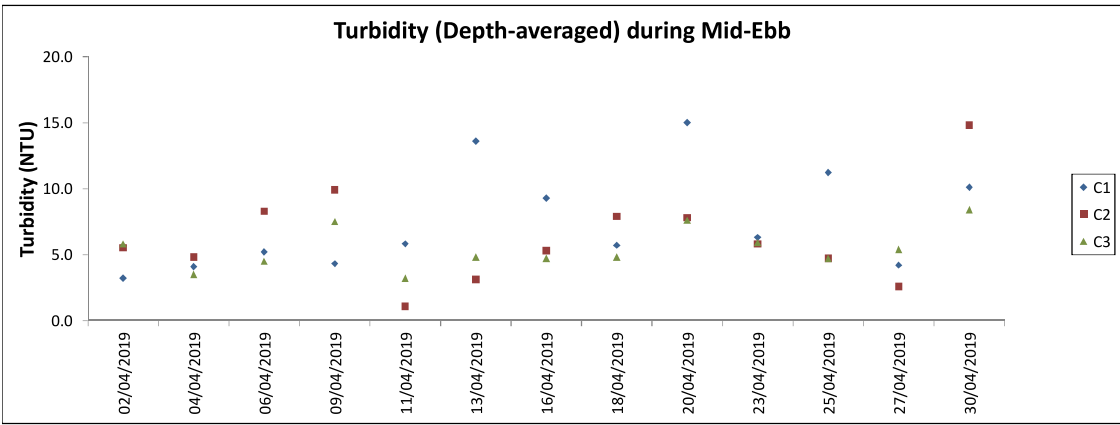
Water Quality Monitoring Results on **30 April 19** during Mid-Flood Tide

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	Value	DA				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Rough	15:18	7.3	Surface	1.0	0.1	282	24.8	24.8	7.9	7.9	14.6	14.4	95.4	95.4	7.3	7.2	10.4	9.7	6	6	84	89	822095	808825	<0.2	<0.2	2.0	1.9					
						1.0	0.1	295	24.7	24.9	7.9	7.9	14.2	18.1	95.3	95.0	7.3	7.1	10.4	10.2	6	5	85	90	<0.2	<0.2	1.8	1.8							
						3.7	0.3	228	24.9	24.9	7.9	7.9	18.1	18.1	95.0	95.0	7.1	7.1	10.3	10.2	7	5	90	90	<0.2	<0.2	1.8	1.8							
					Middle	3.7	0.3	236	24.9	24.9	7.9	7.9	18.1	18.1	95.0	95.0	7.1	7.1	10.2	10.2	5	5	90	90	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.8	1.8			
						6.3	0.2	255	25.5	25.5	7.9	7.9	24.0	24.0	98.0	98.1	7.0	7.0	8.2	7.0	5	5	90	90	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.8	1.8			
						6.3	0.2	258	25.5	25.5	7.9	7.9	24.0	24.0	98.1	98.1	7.0	7.0	8.9	7.0	6	5	93	93	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.9	1.9			
					IM10	Cloudy	Rough	15:26	7.6	Surface	1.0	0.0	265	25.0	25.0	7.9	7.9	12.9	12.9	98.4	98.4	7.6	7.4	10.8	9.7	6	5	85	89	822367	809812	<0.2	<0.2	1.8	1.8
											1.0	0.0	277	24.9	24.9	7.9	7.9	12.9	19.2	98.3	96.5	7.6	7.1	11.1	11.1	5	5	85	89	<0.2	<0.2	1.9	1.8		
											3.8	0.2	261	24.9	24.9	7.9	7.9	19.5	19.5	96.4	96.5	7.1	7.1	8.8	8.8	6	5	89	90	<0.2	<0.2	1.8	1.8		
Middle	3.8	0.2	266	24.9						24.9	7.9	7.9	19.0	19.0	96.6	96.6	7.2	7.2	8.8	8.8	5	5	90	90	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.8	1.8			
	6.6	0.1	244	24.6						24.6	7.9	7.9	23.7	23.7	95.2	95.3	6.9	6.9	9.5	9.5	4	4	93	93	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.8	1.8			
	6.6	0.1	250	24.6						24.6	7.9	7.9	23.7	23.7	95.3	95.3	6.9	6.9	9.5	9.5	5	5	93	93	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.9	1.9			
IM11	Cloudy	Rough	15:39	7.8						Surface	1.0	0.1	266	24.7	24.7	7.9	7.9	13.7	13.5	96.2	96.3	7.4	7.3	13.2	12.4	5	5	85	89	822046	811449	<0.2	<0.2	2.0	1.9
											1.0	0.1	280	24.6	24.6	7.9	7.9	13.2	19.3	96.3	95.2	7.4	7.1	13.2	14.6	6	5	85	89	<0.2	<0.2	2.0	1.7		
											3.9	0.1	254	24.6	24.6	7.9	7.9	19.3	19.3	95.2	95.2	7.1	7.1	15.0	14.6	4	5	89	90	<0.2	<0.2	1.8	1.8		
					Middle	3.9	0.1	261	24.6	24.6	7.9	7.9	19.3	19.3	95.1	95.1	7.1	7.1	14.6	14.6	5	5	89	90	<0.2	<0.2	1.7	1.7	<0.2	<0.2	1.8	1.8			
						6.8	0.1	282	24.5	24.5	8.0	8.0	24.3	24.1	95.4	95.5	6.9	6.9	9.4	9.4	5	5	93	93	<0.2	<0.2	2.0	2.0	<0.2	<0.2	1.8	1.8			
						6.8	0.1	282	24.5	24.5	8.0	8.0	23.9	24.1	95.5	95.5	7.0	7.0	9.3	9.3	5	5	93	93	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.8	1.8			
					IM12	Cloudy	Moderate	15:48	8.1	Surface	1.0	0.0	247	24.8	24.8	7.9	7.9	13.0	13.0	95.5	95.6	7.4	7.3	12.9	12.5	5	5	85	89	821450	812053	<0.2	<0.2	1.8	1.9
											1.0	0.0	229	24.8	24.8	7.9	7.9	13.0	21.1	95.7	96.0	7.4	7.1	12.9	10.7	5	5	89	90	<0.2	<0.2	1.8	1.8		
											4.1	0.2	291	24.7	24.7	7.9	7.9	21.3	21.1	96.0	96.0	7.1	7.1	10.7	10.7	5	5	90	91	<0.2	<0.2	2.1	1.9		
Middle	4.1	0.2	293	24.7						24.7	8.0	8.0	20.9	20.9	96.0	96.0	7.1	7.1	10.7	10.7	6	5	91	91	<0.2	<0.2	1.9	1.9	<0.2	<0.2	1.9	1.9			
	7.1	0.1	272	24.9						25.0	8.0	7.9	26.1	26.2	97.0	96.5	6.9	6.9	14.1	14.1	4	5	93	93	<0.2	<0.2	1.8	1.8	<0.2	<0.2	1.8	2.0			
	7.1	0.1	280	25.0						25.0	8.0	7.9	26.2	26.2	96.0	96.0	6.8	6.8	14.1	14.1	5	5	93	93	<0.2	<0.2	1.8	2.0	<0.2	<0.2	1.8	2.0			
SR1A	Cloudy	Moderate	16:07	4.9						Surface	1.0	-	-	25.1	25.1	7.8	7.8	20.6	20.6	96.2	96.4	7.1	7.1	9.4	9.2	5	4	-	-	819974	812664	-	-	-	-
											1.0	-	-	25.1	25.1	7.8	7.8	20.6	20.6	96.5	96.5	7.1	7.1	9.2	9.2	4	4	-	-	-	-	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.9	-	-	24.8	24.8	7.8	7.8	13.5	13.3	95.1	95.2	7.3	7.3	8.5	8.5	4	4	-	-	-	-	-	-	-	-	-	-			
						3.9	-	-	24.8	24.8	7.8	7.8	13.1	13.3	95.3	95.3	7.3	7.3	9.7	9.7	4	4	-	-	-	-	-	-	-	-	-	-			
					SR2	Cloudy	Moderate	16:22	4.8	Surface	1.0	0.0	232	24.8	24.8	7.8	7.8	13.7	13.7	95.8	96.0	7.3	7.4	14.3	12.5	3	4	86	86	821475	814169	<0.2	<0.2	2.0	2.0
											1.0	0.0	234	24.7	24.7	7.8	7.8	13.7	13.7	96.1	96.1	7.4	7.4	13.1	13.1	3	4	86	86	<0.2	<0.2	1.8	1.8		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3.8	0.1	212	24.4						24.4	8.0	8.0	15.9	15.6	95.7	95.9	7.3	7.3	11.2	11.2	4	4	89	89	<0.2	<0.2	2.0	2.0	<0.2	<0.2	2.0	2.0			
	3.8	0.2	225	24.4						24.4	8.0	8.0	15.4	15.6	96.0	96.0	7.3	7.3	11.6	11.6	4	4	90	90	<0.2	<0.2	2.0	2.0	<0.2	<0.2	2.0	2.0			
SR3	Cloudy	Rough	15:02	8.6						Surface	1.0	0.4	23	24.8	24.8	7.9	7.9	13.2	13.0	96.4	96.5	7.4	7.3	10.6	8.6	4	5	-	-	822132	807588	-	-	-	-
											1.0	0.4	24	24.7	24.7	7.9	7.9	12.8	22.0	96.5	96.5	7.5	7.5	10.6	10.6	5	5	-	-	-	-	-	-	-	-
											4.3	0.3	24	24.9	24.9	7.9	7.9	22.0	22.0	96.3	96.5	7.0	7.1	7.8	7.7	5	5	-	-	-	-	-	-	-	-
					Middle	4.3	0.3	25	24.9	24.9	7.9	7.9	22.0	22.0	96.6	96.6	7.1	7.1	7.7	7.7	6	6	-	-	-	-	-	-	-	-	-				
						7.6	0.2	28	25.2	25.2	7.9	7.9	26.8	26.8	97.1	97.1	6.9	6.9	7.2	7.2	6	6	-	-	-	-	-	-	-	-					
						7.6	0.2	26	25.2	25.2	7.9	7.9	26.8	26.8	97.1	97.1	6.9	6.9	7.4	7.4	6	6	-	-	-	-	-	-	-	-					
					SR4A	Cloudy	Rough	16:13	8.4	Surface	1.0	0.1	211	24.0	24.0	8.0	8.0	30.3	30.3	94.4	94.4	6.8	6.8	12.1	14.1	6	6	-	-	817196	807823	-	-	-	-
											1.0	0.1	212	24.0	24.0	8.0	8.0	30.4	30.5	94.4	94.9	6.8	6.8	12.1	15.1	5	6	-	-	-	-	-	-	-	
											4.2	0.2	286	23.9	23.9	8.0	8.0	30.5	30.5	94.8	95.0	6.8	6.8	15.1	15.1	6	6	-	-	-	-	-	-	-	
Middle	4.2	0.2	288	23.9						23.9	8.0	8.0	30.5	30.5	95.0	95.0	6.8	6.8	15.1	15.1	6	6	-	-	-	-	-	-	-	-					
	7.4	0.2	232	23.9						23.9	8.1	8.1	30.5	30.5	93.0	93.0	6.7	6.7	14.9	14.9	5	5	-	-	-	-	-	-	-						
	7.4	0.2	243	23.9						23.9	8.1	8.1	30.5	30.5	93.0	93.0	6.7	6.7	15.0	15.0	6	6	-	-	-	-	-	-	-						
SR5A	Cloudy	Rough	16:32	3.4						Surface	1.0	0																							

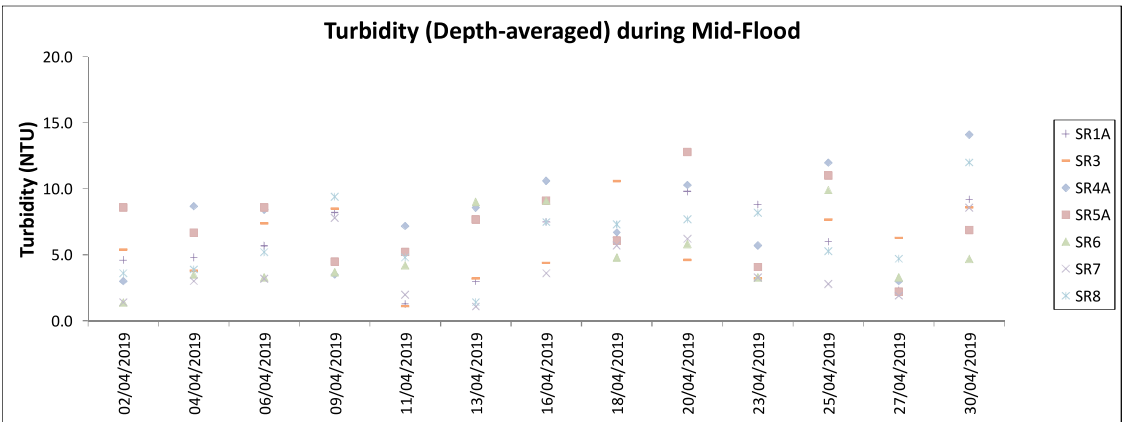
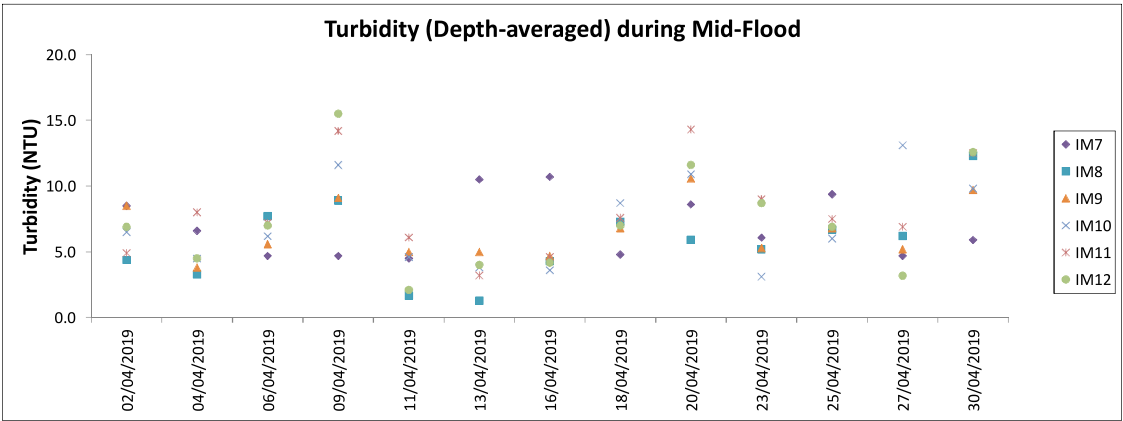
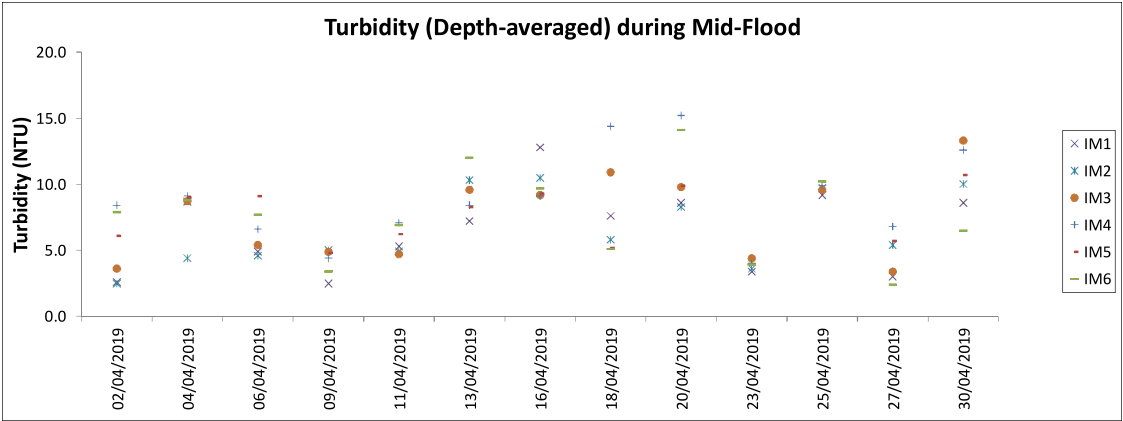
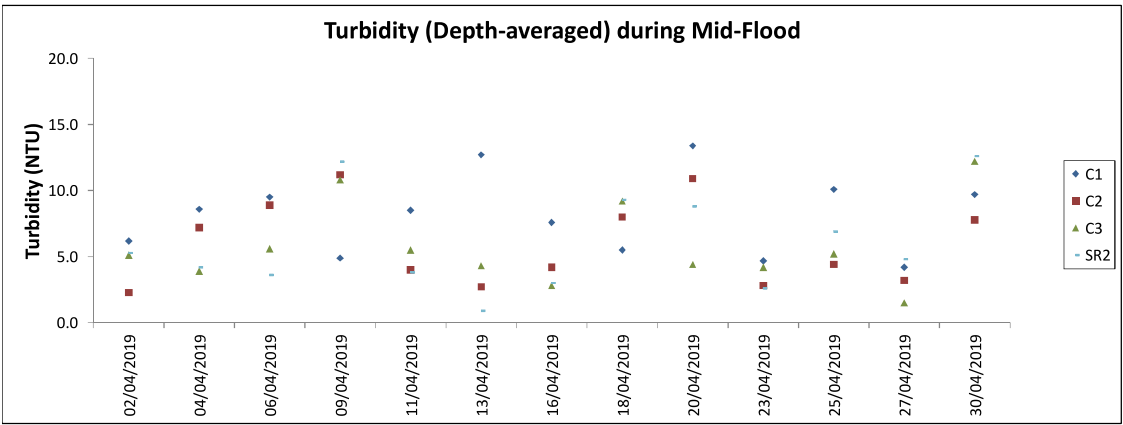




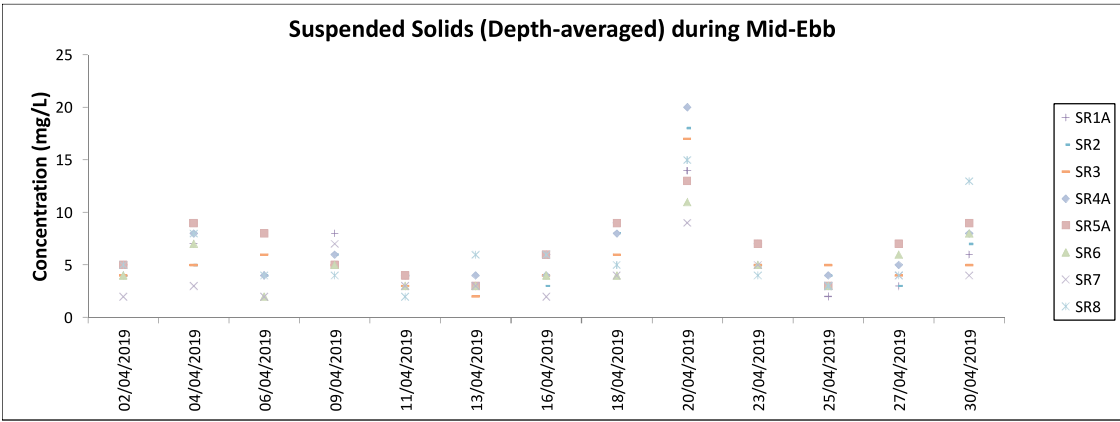
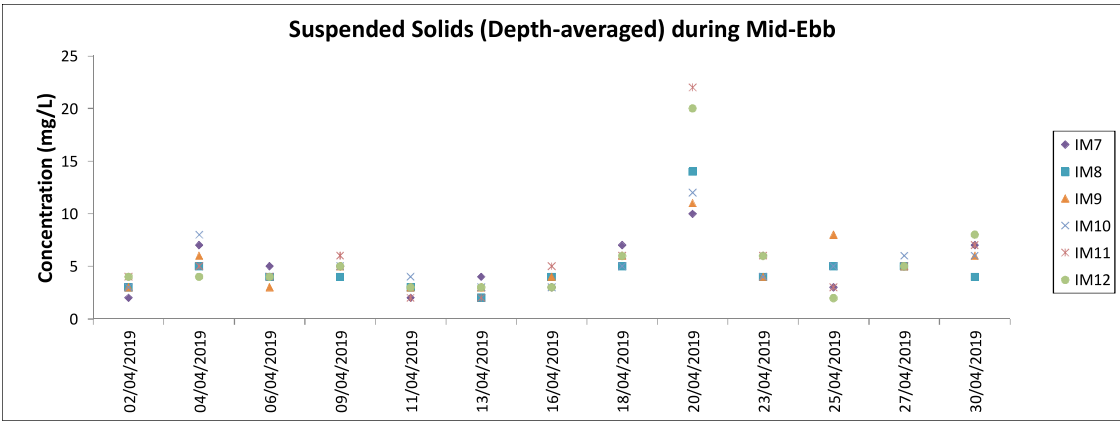
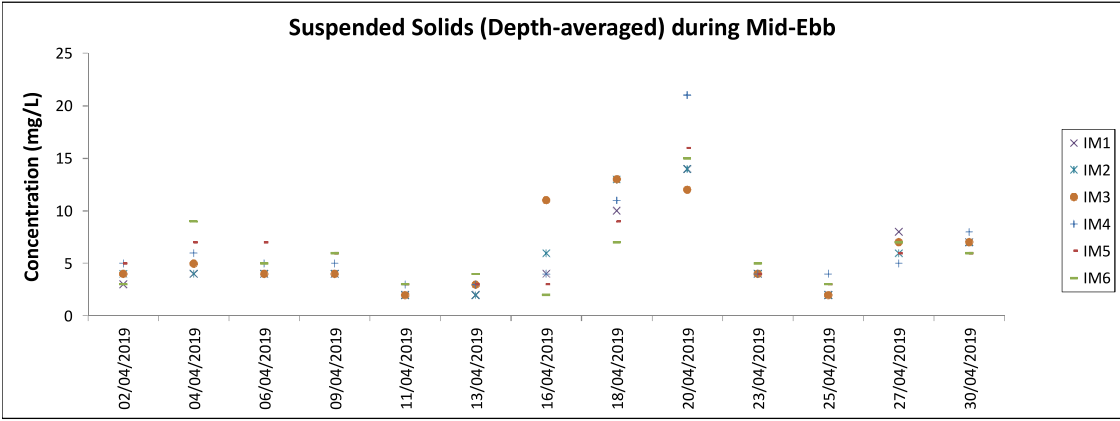
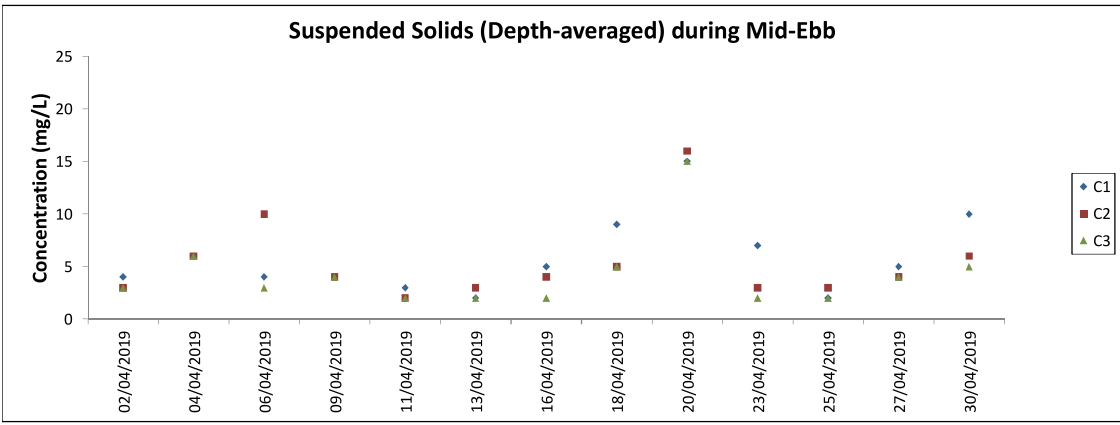




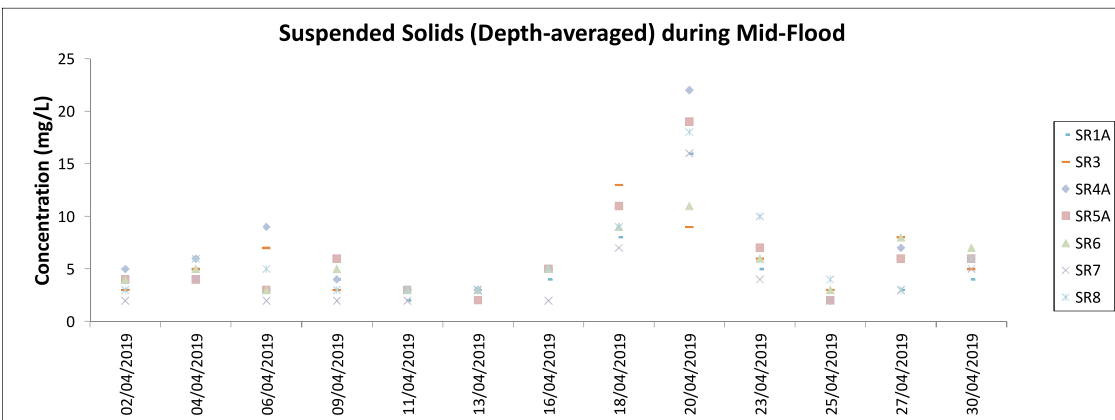
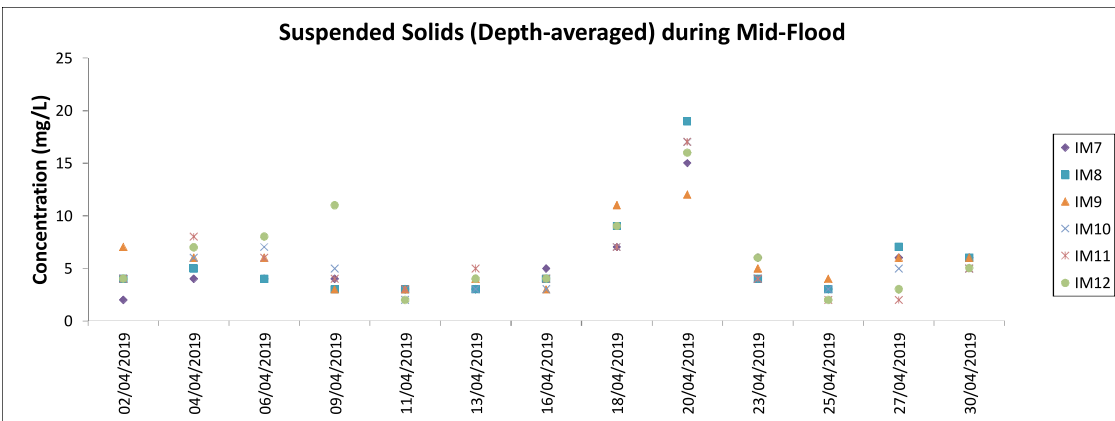
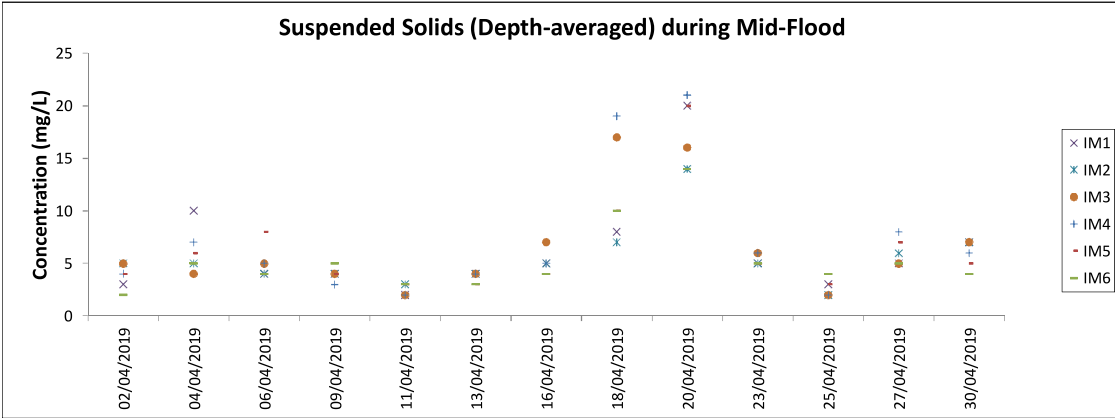
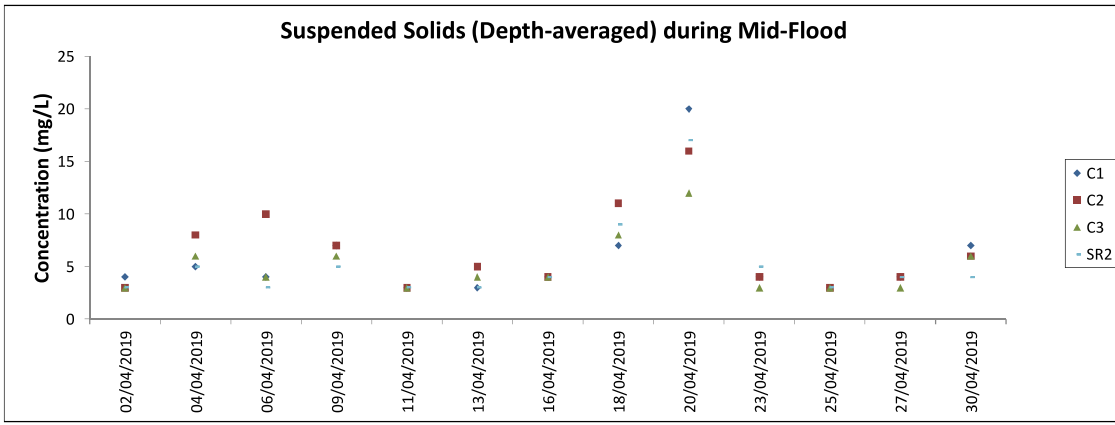
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



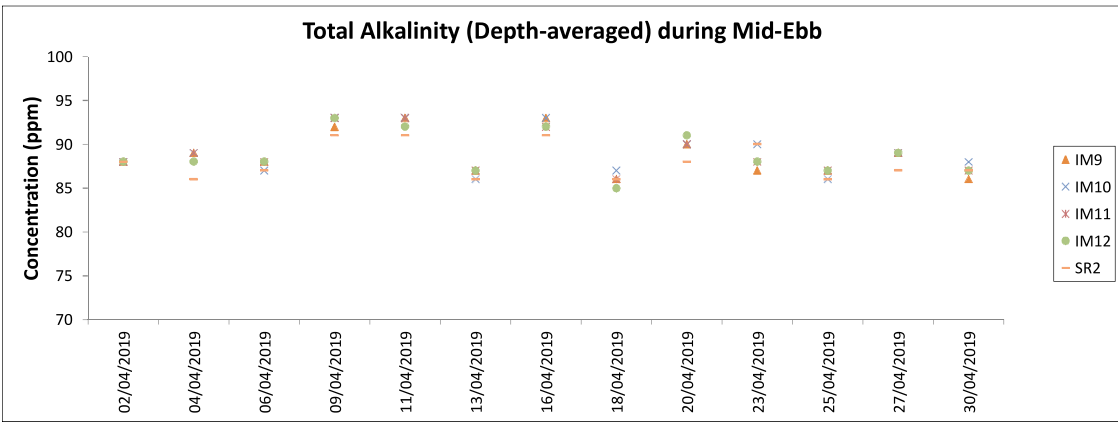
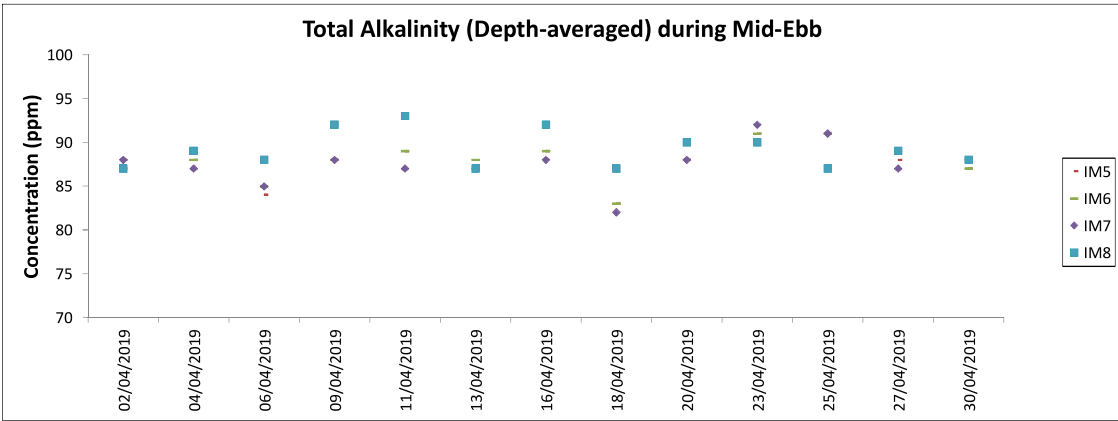
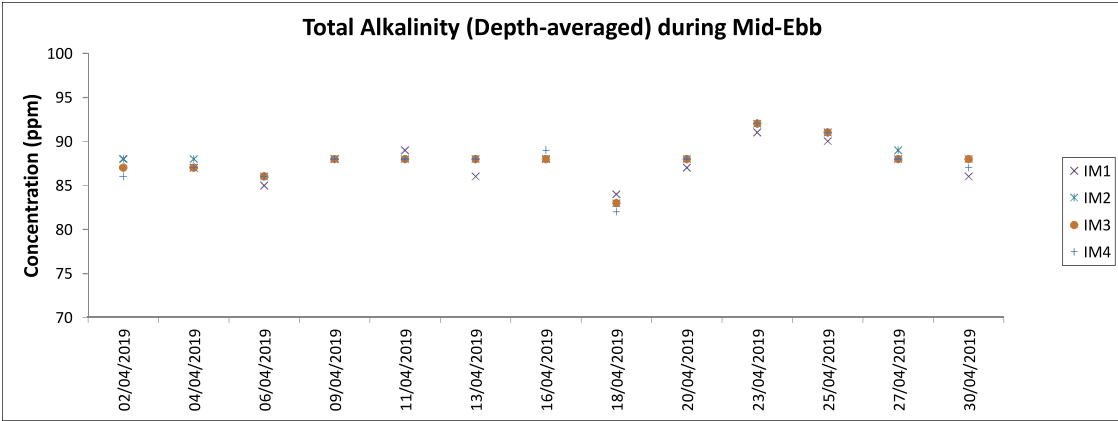
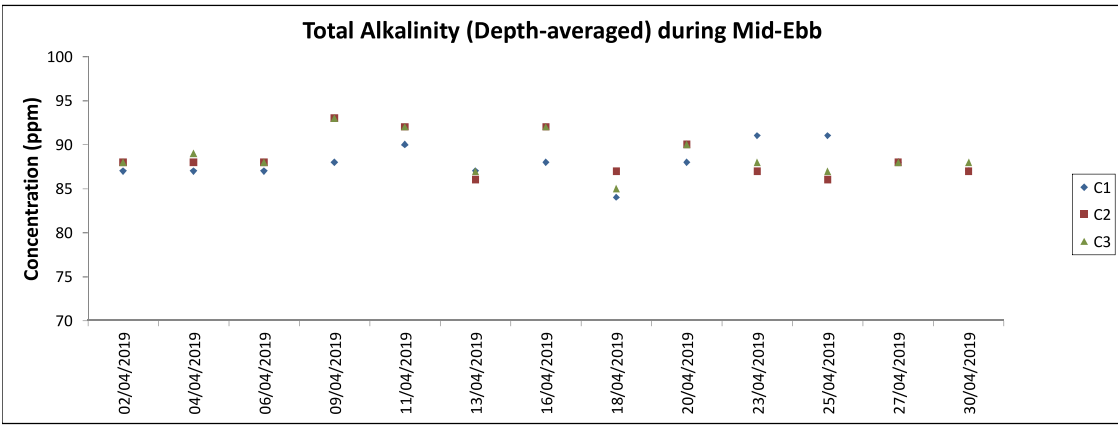
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



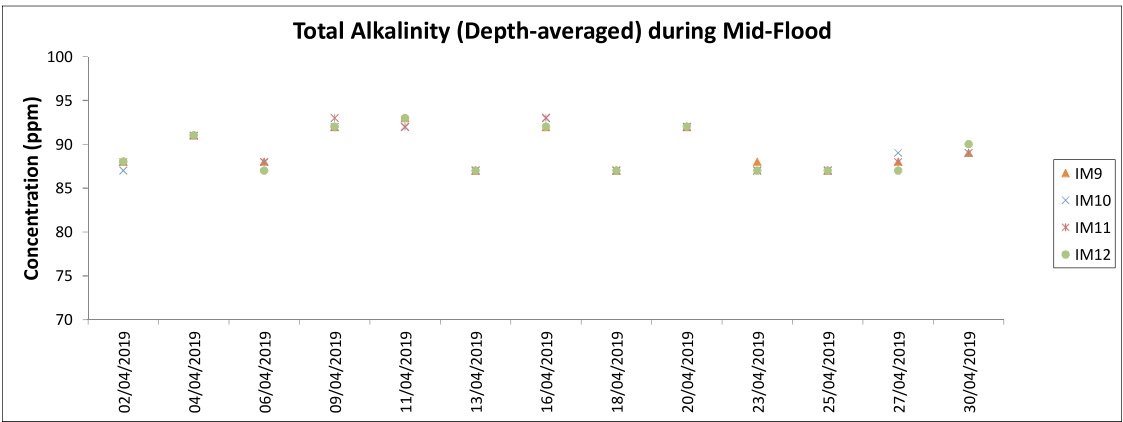
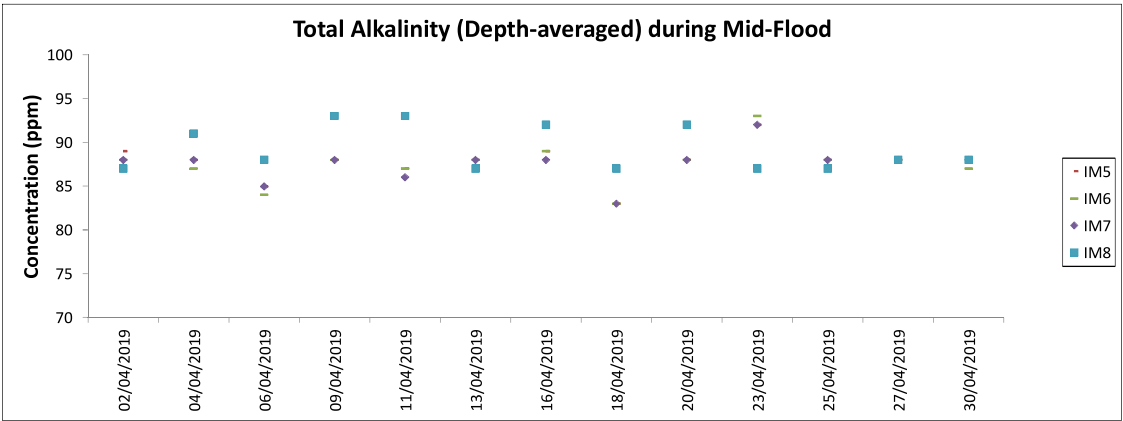
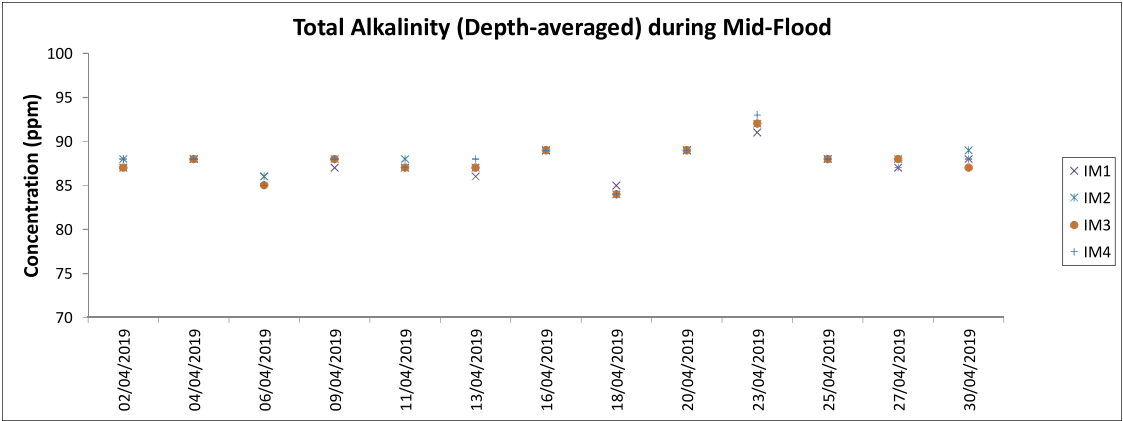
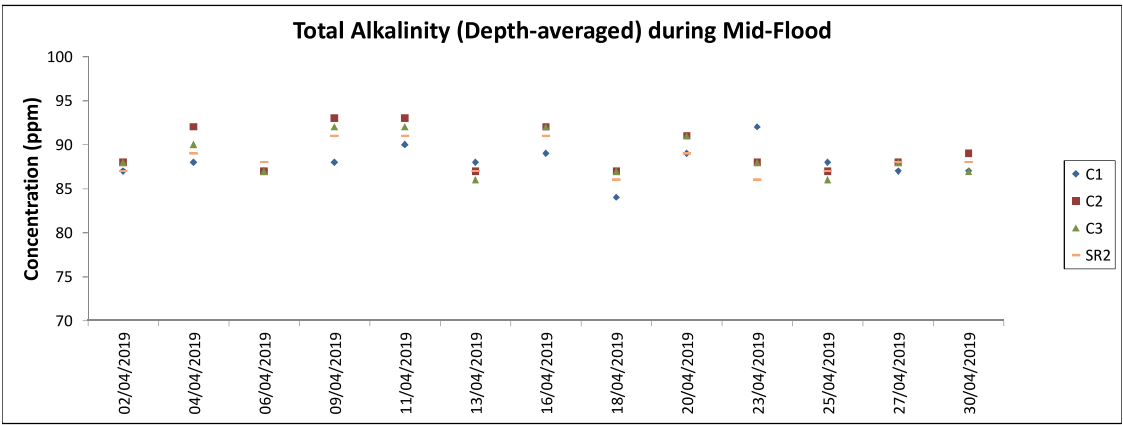
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



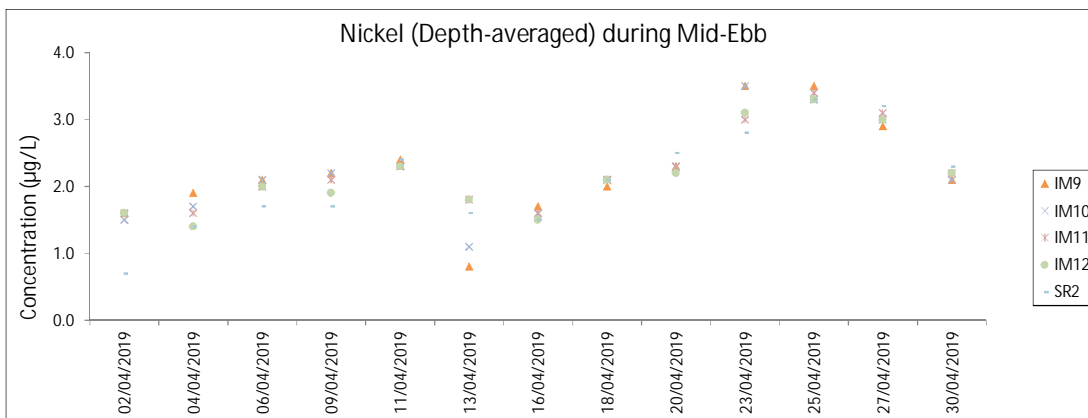
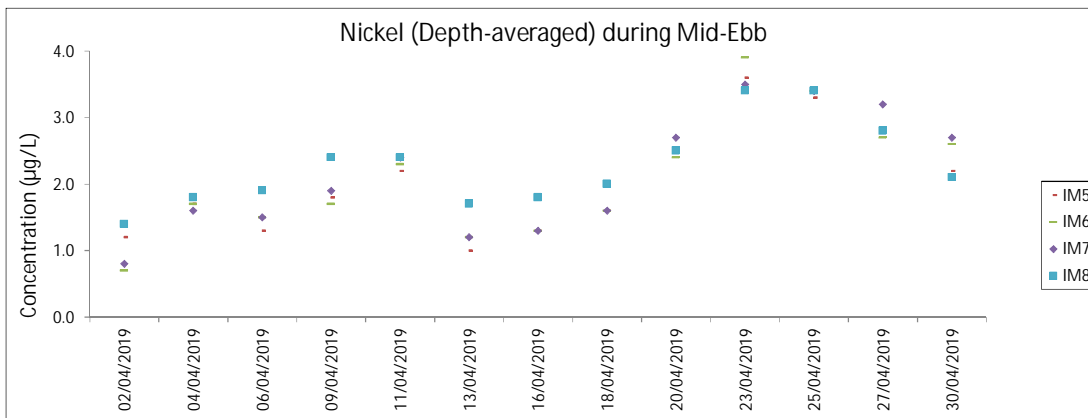
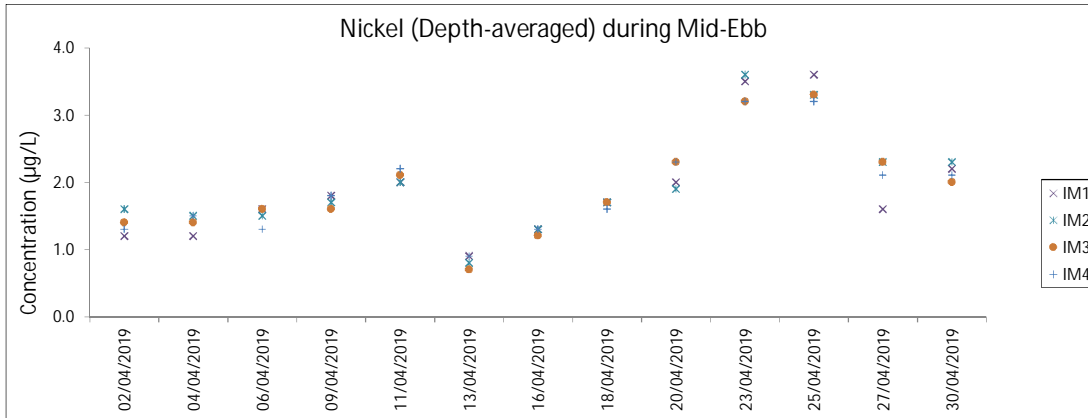
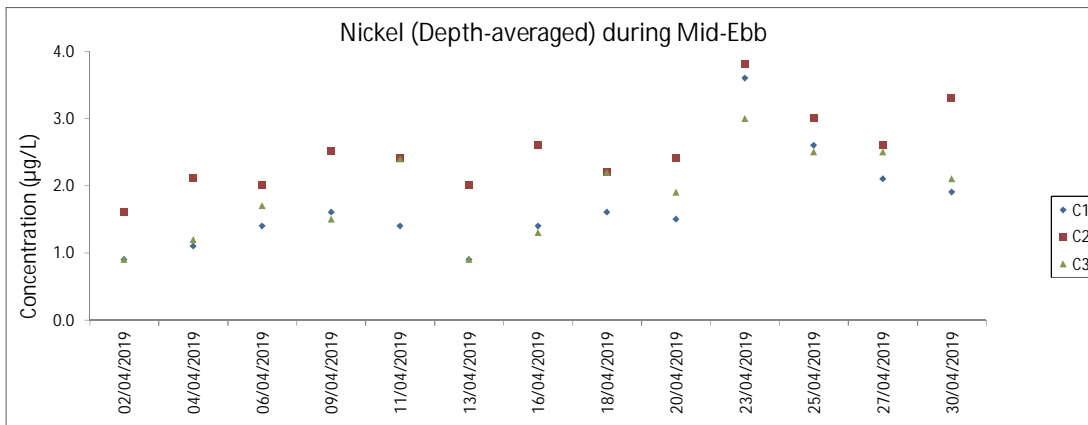
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



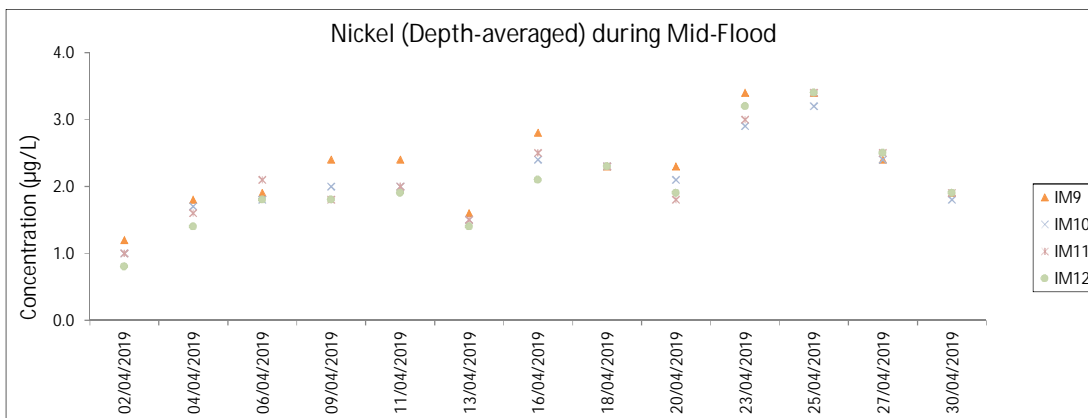
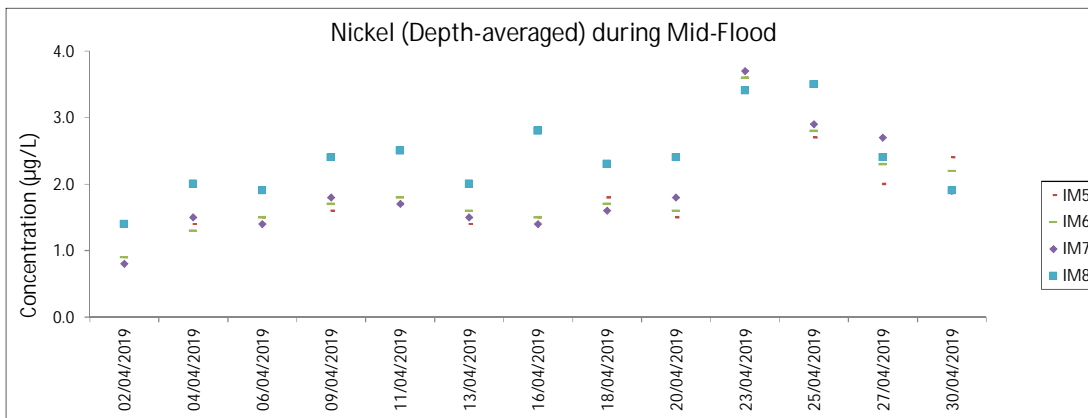
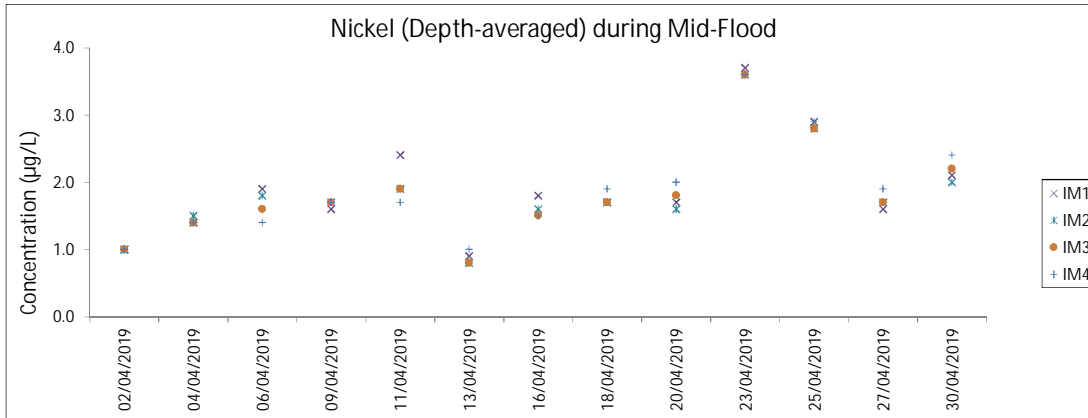
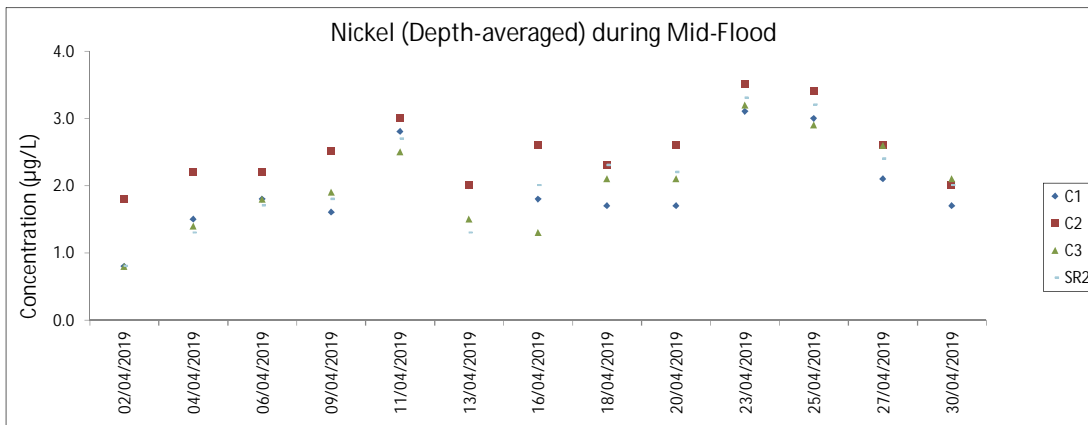
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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.
 OAV/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Result

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Feb-19	NWL	3	56.030	WINTER	32166	3RS ET	P
11-Feb-19	NWL	4	5.200	WINTER	32166	3RS ET	P
11-Feb-19	NWL	5	1.800	WINTER	32166	3RS ET	P
11-Feb-19	NWL	3	9.170	WINTER	32166	3RS ET	S
11-Feb-19	NWL	4	3.300	WINTER	32166	3RS ET	S
12-Feb-19	NEL	1	24.190	WINTER	32166	3RS ET	P
12-Feb-19	NEL	2	12.260	WINTER	32166	3RS ET	P
12-Feb-19	NEL	3	1.200	WINTER	32166	3RS ET	P
12-Feb-19	NEL	1	6.760	WINTER	32166	3RS ET	S
12-Feb-19	NEL	2	2.690	WINTER	32166	3RS ET	S
13-Feb-19	AW	2	5.048	WINTER	32166	3RS ET	P
13-Feb-19	WL	1	1.980	WINTER	32166	3RS ET	P
13-Feb-19	WL	2	18.238	WINTER	32166	3RS ET	P
13-Feb-19	WL	1	1.410	WINTER	32166	3RS ET	S
13-Feb-19	WL	2	7.462	WINTER	32166	3RS ET	S
18-Feb-19	NEL	3	15.320	WINTER	32166	3RS ET	P
18-Feb-19	NEL	4	12.170	WINTER	32166	3RS ET	P
18-Feb-19	NEL	5	9.810	WINTER	32166	3RS ET	P
18-Feb-19	NEL	3	8.270	WINTER	32166	3RS ET	S
18-Feb-19	NEL	4	1.930	WINTER	32166	3RS ET	S
20-Feb-19	SWL	2	41.440	WINTER	32166	3RS ET	P
20-Feb-19	SWL	3	11.900	WINTER	32166	3RS ET	P
20-Feb-19	SWL	2	15.540	WINTER	32166	3RS ET	S
20-Feb-19	SWL	3	1.100	WINTER	32166	3RS ET	S
21-Feb-19	SWL	2	9.600	WINTER	32166	3RS ET	P
21-Feb-19	SWL	3	44.290	WINTER	32166	3RS ET	P
21-Feb-19	SWL	4	1.000	WINTER	32166	3RS ET	P
21-Feb-19	SWL	2	5.100	WINTER	32166	3RS ET	S
21-Feb-19	SWL	3	10.810	WINTER	32166	3RS ET	S
22-Feb-19	NWL	2	15.900	WINTER	32166	3RS ET	P
22-Feb-19	NWL	3	43.000	WINTER	32166	3RS ET	P
22-Feb-19	NWL	4	4.900	WINTER	32166	3RS ET	P
22-Feb-19	NWL	2	4.100	WINTER	32166	3RS ET	S
22-Feb-19	NWL	3	3.500	WINTER	32166	3RS ET	S
22-Feb-19	NWL	4	3.700	WINTER	32166	3RS ET	S
26-Feb-19	AW	3	2.920	WINTER	32166	3RS ET	P
26-Feb-19	AW	4	1.950	WINTER	32166	3RS ET	P
26-Feb-19	WL	2	5.060	WINTER	32166	3RS ET	P
26-Feb-19	WL	3	12.840	WINTER	32166	3RS ET	P
26-Feb-19	WL	4	2.280	WINTER	32166	3RS ET	P
26-Feb-19	WL	2	3.960	WINTER	32166	3RS ET	S
26-Feb-19	WL	3	6.840	WINTER	32166	3RS ET	S
6-Mar-19	NWL	2	7.760	SPRING	32166	3RS ET	P
6-Mar-19	NWL	3	45.090	SPRING	32166	3RS ET	P
6-Mar-19	NWL	4	9.860	SPRING	32166	3RS ET	P
6-Mar-19	NWL	2	2.390	SPRING	32166	3RS ET	S
6-Mar-19	NWL	3	9.400	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Mar-19	NEL	2	7.210	SPRING	32166	3RS ET	P
8-Mar-19	NEL	3	15.470	SPRING	32166	3RS ET	P
8-Mar-19	NEL	4	14.300	SPRING	32166	3RS ET	P
8-Mar-19	NEL	2	1.100	SPRING	32166	3RS ET	S
8-Mar-19	NEL	3	9.020	SPRING	32166	3RS ET	S
12-Mar-19	AW	2	4.790	SPRING	32166	3RS ET	P
12-Mar-19	WL	2	17.206	SPRING	32166	3RS ET	P
12-Mar-19	WL	3	1.200	SPRING	32166	3RS ET	P
12-Mar-19	WL	2	8.012	SPRING	32166	3RS ET	S
12-Mar-19	WL	3	0.890	SPRING	32166	3RS ET	S
13-Mar-19	NWL	2	25.190	SPRING	32166	3RS ET	P
13-Mar-19	NWL	3	37.650	SPRING	32166	3RS ET	P
13-Mar-19	NWL	2	9.060	SPRING	32166	3RS ET	S
13-Mar-19	NWL	3	2.600	SPRING	32166	3RS ET	S
15-Mar-19	NEL	2	22.660	SPRING	32166	3RS ET	P
15-Mar-19	NEL	3	15.030	SPRING	32166	3RS ET	P
15-Mar-19	NEL	2	8.010	SPRING	32166	3RS ET	S
15-Mar-19	NEL	3	1.700	SPRING	32166	3RS ET	S
21-Mar-19	SWL	1	6.680	SPRING	32166	3RS ET	P
21-Mar-19	SWL	2	49.790	SPRING	32166	3RS ET	P
21-Mar-19	SWL	3	4.000	SPRING	32166	3RS ET	P
21-Mar-19	SWL	2	9.960	SPRING	32166	3RS ET	S
22-Mar-19	SWL	1	3.850	SPRING	32166	3RS ET	P
22-Mar-19	SWL	2	56.301	SPRING	32166	3RS ET	P
22-Mar-19	SWL	2	9.689	SPRING	32166	3RS ET	S
25-Mar-19	AW	3	4.650	SPRING	32166	3RS ET	P
25-Mar-19	WL	2	3.400	SPRING	32166	3RS ET	P
25-Mar-19	WL	3	12.070	SPRING	32166	3RS ET	P
25-Mar-19	WL	4	4.800	SPRING	32166	3RS ET	P
25-Mar-19	WL	2	4.640	SPRING	32166	3RS ET	S
25-Mar-19	WL	3	6.190	SPRING	32166	3RS ET	S
2-Apr-19	NEL	2	3.760	SPRING	32166	3RS ET	P
2-Apr-19	NEL	3	32.560	SPRING	32166	3RS ET	P
2-Apr-19	NEL	4	1.300	SPRING	32166	3RS ET	P
2-Apr-19	NEL	2	2.950	SPRING	32166	3RS ET	S
2-Apr-19	NEL	3	6.330	SPRING	32166	3RS ET	S
3-Apr-19	AW	3	4.860	SPRING	32166	3RS ET	P
3-Apr-19	WL	2	16.868	SPRING	32166	3RS ET	P
3-Apr-19	WL	3	6.320	SPRING	32166	3RS ET	P
3-Apr-19	WL	2	5.681	SPRING	32166	3RS ET	S
3-Apr-19	WL	3	3.930	SPRING	32166	3RS ET	S
9-Apr-19	SWL	2	4.100	SPRING	32166	3RS ET	P
9-Apr-19	SWL	3	50.530	SPRING	32166	3RS ET	P
9-Apr-19	SWL	4	1.000	SPRING	32166	3RS ET	P
9-Apr-19	SWL	2	1.200	SPRING	32166	3RS ET	S
9-Apr-19	SWL	3	13.470	SPRING	32166	3RS ET	S
11-Apr-19	SWL	2	50.110	SPRING	32166	3RS ET	P
11-Apr-19	SWL	3	5.000	SPRING	32166	3RS ET	P
11-Apr-19	SWL	2	13.420	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Apr-19	SWL	3	2.340	SPRING	32166	3RS ET	S
17-Apr-19	AW	2	4.700	SPRING	32166	3RS ET	P
17-Apr-19	WL	1	3.160	SPRING	32166	3RS ET	P
17-Apr-19	WL	2	6.754	SPRING	32166	3RS ET	P
17-Apr-19	WL	3	13.978	SPRING	32166	3RS ET	P
17-Apr-19	WL	1	2.450	SPRING	32166	3RS ET	S
17-Apr-19	WL	2	2.196	SPRING	32166	3RS ET	S
17-Apr-19	WL	3	3.312	SPRING	32166	3RS ET	S
18-Apr-19	NEL	2	3.820	SPRING	32166	3RS ET	P
18-Apr-19	NEL	3	32.970	SPRING	32166	3RS ET	P
18-Apr-19	NEL	2	3.510	SPRING	32166	3RS ET	S
18-Apr-19	NEL	3	6.500	SPRING	32166	3RS ET	S
24-Apr-19	NWL	2	24.330	SPRING	32166	3RS ET	P
24-Apr-19	NWL	3	38.410	SPRING	32166	3RS ET	P
24-Apr-19	NWL	2	7.110	SPRING	32166	3RS ET	S
24-Apr-19	NWL	3	5.150	SPRING	32166	3RS ET	S
25-Apr-19	NWL	2	15.581	SPRING	32166	3RS ET	P
25-Apr-19	NWL	3	45.251	SPRING	32166	3RS ET	P
25-Apr-19	NWL	4	1.100	SPRING	32166	3RS ET	P
25-Apr-19	NWL	2	4.530	SPRING	32166	3RS ET	S
25-Apr-19	NWL	3	7.379	SPRING	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. February 2019 and March 2019) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-Feb-19	1	1153	CWD	2	NWL	3	1	ON	3RS ET	22.4017	113.8877	WINTER	NONE	P
13-Feb-19	1	0941	CWD	6	AW	2	77	ON	3RS ET	22.2907	113.8745	WINTER	NONE	P
13-Feb-19	2	1042	CWD	2	WL	2	114	ON	3RS ET	22.2690	113.8480	WINTER	NONE	P
13-Feb-19	3	1203	CWD	1	WL	2	1	ON	3RS ET	22.2074	113.8406	WINTER	GILLNETTER	S
20-Feb-19	1	1033	FP	2	SWL	2	7	ON	3RS ET	22.2022	113.9362	WINTER	NONE	P
20-Feb-19	2	1511	CWD	1	SWL	2	127	ON	3RS ET	22.1862	113.8488	WINTER	NONE	P
21-Feb-19	1	1313	FP	2	SWL	2	3	ON	3RS ET	22.1482	113.8935	WINTER	NONE	S
26-Feb-19	1	1031	CWD	2	WL	3	64	ON	3RS ET	22.2603	113.8506	WINTER	NONE	P
06-Mar-19	1	1204	CWD	3	NWL	2	244	ON	3RS ET	22.3957	113.8876	SPRING	NONE	P
12-Mar-19	1	1014	CWD	1	WL	2	434	ON	3RS ET	22.2760	113.8506	SPRING	NONE	S
12-Mar-19	2	1026	CWD	5	WL	2	9	ON	3RS ET	22.2718	113.8455	SPRING	NONE	S
12-Mar-19	3	1051	CWD	11	WL	2	313	ON	3RS ET	22.2684	113.8518	SPRING	NONE	P
12-Mar-19	4	1137	CWD	1	WL	2	53	ON	3RS ET	22.2412	113.8370	SPRING	NONE	P
12-Mar-19	5	1216	CWD	4	WL	2	295	ON	3RS ET	22.2142	113.8286	SPRING	NONE	P
13-Mar-19	1	1032	CWD	2	NWL	2	76	ON	3RS ET	22.2866	113.8699	SPRING	NONE	P
21-Mar-19	1	1039	FP	6	SWL	1	230	ON	3RS ET	22.1842	113.9354	SPRING	NONE	P
21-Mar-19	2	1220	FP	3	SWL	2	103	ON	3RS ET	22.1539	113.9068	SPRING	NONE	P
22-Mar-19	1	1032	FP	3	SWL	2	81	ON	3RS ET	22.1998	113.9356	SPRING	NONE	P
22-Mar-19	2	1041	FP	5	SWL	2	103	ON	3RS ET	22.1822	113.9365	SPRING	NONE	P
22-Mar-19	3	1114	FP	9	SWL	2	296	ON	3RS ET	22.1637	113.9278	SPRING	NONE	P
22-Mar-19	4	1207	FP	2	SWL	2	2	ON	3RS ET	22.1482	113.9175	SPRING	NONE	P
22-Mar-19	5	1413	FP	1	SWL	2	199	ON	3RS ET	22.1820	113.8780	SPRING	NONE	P
22-Mar-19	6	1425	FP	1	SWL	2	45	ON	3RS ET	22.1766	113.8781	SPRING	NONE	P
22-Mar-19	7	1433	FP	2	SWL	2	70	ON	3RS ET	22.1626	113.8784	SPRING	NONE	P
22-Mar-19	8	1447	FP	4	SWL	2	85	ON	3RS ET	22.1710	113.8688	SPRING	NONE	P
25-Mar-19	1	1052	CWD	6	WL	2	206	ON	3RS ET	22.2504	113.8372	SPRING	NONE	P
3-Apr-19	1	1028	CWD	1	WL	2	355	ON	3RS ET	22.2658	113.8586	SPRING	NONE	S
3-Apr-19	2	1043	CWD	1	WL	2	202	ON	3RS ET	22.2603	113.8457	SPRING	NONE	P
3-Apr-19	3	1148	CWD	21	WL	3	728	ON	3RS ET	22.2187	113.8197	SPRING	PAIR TRAWLER	S
11-Apr-19	1	1041	FP	4	SWL	3	256	ON	3RS ET	22.1688	113.8569	SPRING	NONE	S
17-Apr-19	1	1043	CWD	3	WL	2	195	ON	3RS ET	22.2499	113.8366	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
17-Apr-19	2	1059	CWD	1	WL	2	474	ON	3RS ET	22.2413	113.8370	SPRING	NONE	P
17-Apr-19	3	1114	CWD	2	WL	2	567	ON	3RS ET	22.2390	113.8271	SPRING	NONE	S
17-Apr-19	4	1127	CWD	4	WL	2	55	ON	3RS ET	22.2358	113.8250	SPRING	NONE	S
17-Apr-19	5	1143	CWD	3	WL	2	224	ON	3RS ET	22.2322	113.8308	SPRING	NONE	P
17-Apr-19	6	1200	CWD	4	WL	3	246	ON	3RS ET	22.2230	113.8306	SPRING	NONE	P
24-Apr-19	1	1038	CWD	1	NWL	3	33	ON	3RS ET	22.2711	113.8716	SPRING	NONE	S
25-Apr-19	1	0946	CWD	3	NWL	2	182	ON	3RS ET	22.3854	113.8697	SPRING	NONE	P
25-Apr-19	2	1000	CWD	2	NWL	2	319	ON	3RS ET	22.3797	113.8705	SPRING	NONE	P
25-Apr-19	3	1055	CWD	3	NWL	3	473	ON	3RS ET	22.2795	113.8699	SPRING	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 (i.e. February 2019 and March 2019) 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 April 2019 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 454.520 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 13 on-effort sightings and total number of 49 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in April 2019 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in April 2019

$$STG = \frac{13}{454.520} \times 100 = 2.86$$

Encounter Rate by Number of Dolphins (ANI) in April 2019

$$ANI = \frac{49}{454.520} \times 100 = 10.78$$

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

A total of 1285.106 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 96 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)









$$STG = \frac{27}{1285.106} \times 100 = 2.10$$

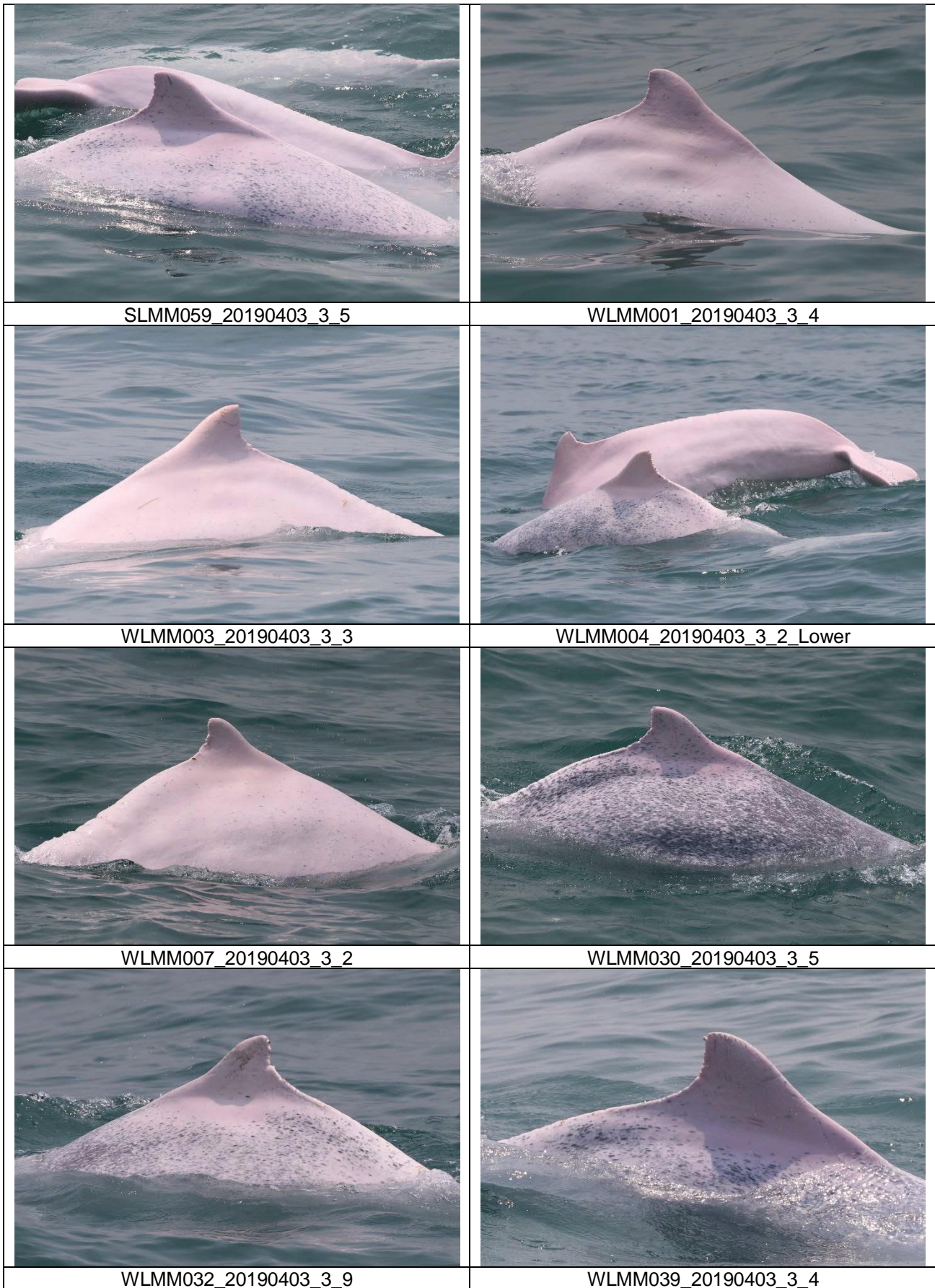
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{96}{1285.106} \times 100 = 7.47$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
WLMM043_20190403_1_5	NLMM016_20190403_2_4
	
NLMM060_20190403_3_1	SLMM002_20190403_3_3
	
SLMM014_20190403_3_4	SLMM022_20190403_3_9
	
SLMM034_20190403_3_9	SLMM050_20190403_3_4





WLMM054_20190403_3_7



WLMM056_20190403_3_6



WLMM063_20190403_3_3



WLMM069_20190403_3_2



WLMM120_20190403_3_2



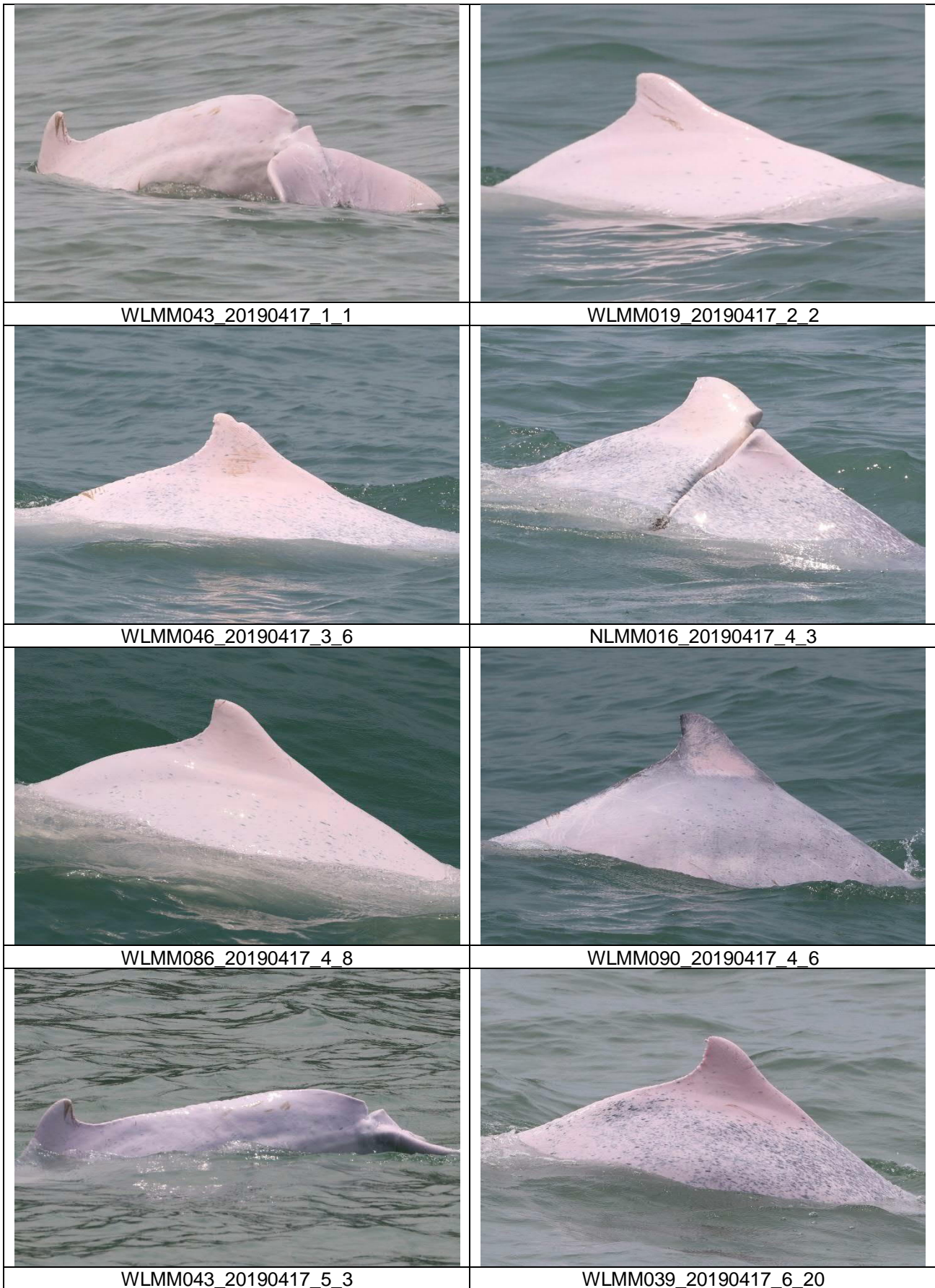
WLMM132_20190403_3_6



NLMM004_20190417_1_4



NLMM065_20190417_1_6





WLMM118_20190417_6_6



WLMM115_20190424_1_3



NLMM069_20190425_1_5



NLMM070_20190425_1_2



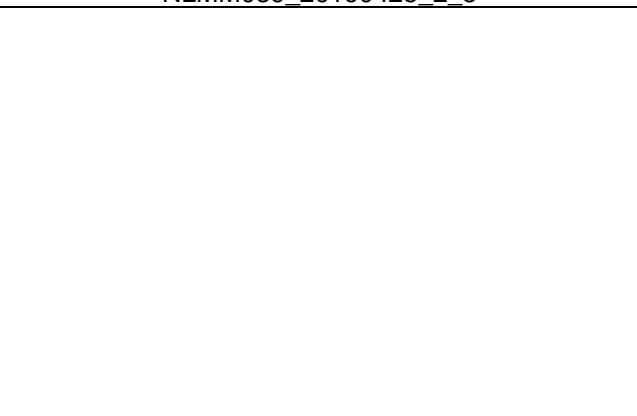
WLMM127_20190425_1_3



NLMM039_20190425_2_5



NLMM063_20190425_3_3



CWD Land-based Theodolite Tracking Survey**CWD Groups by Survey Date**

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
4/Apr/19	Lung Kwu Chau	8:50	14:50	6:00	2-3	3	1	1
10/Apr/19	Lung Kwu Chau	8:53	14:53	6:00	2	2	0	-
24/Apr/19	Sha Chau	9:04	15:04	6:00	2	2	0	-

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