

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

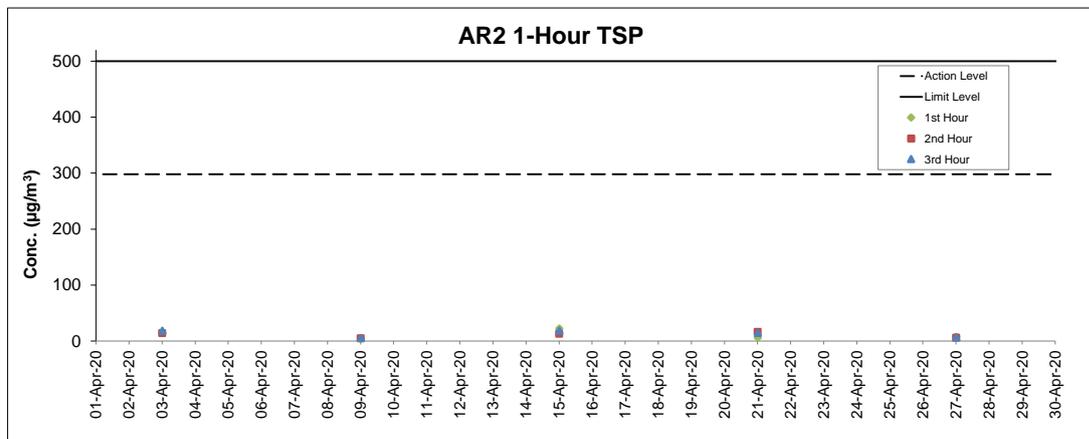
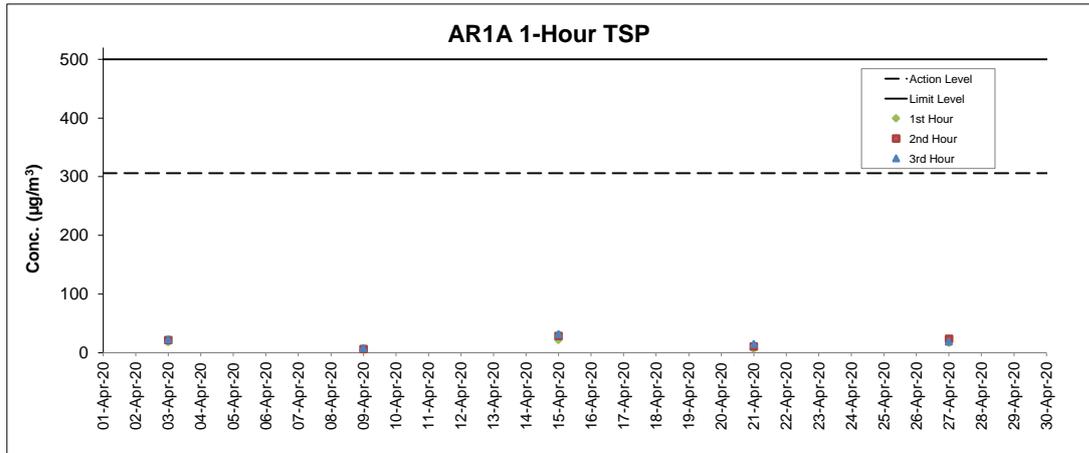
**Station: AR1A- Man Tung Road Park**

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-20	12:43	Cloudy	10.6	88	18	306	500
03-Apr-20	13:43	Cloudy	8.3	84	22	306	500
03-Apr-20	14:43	Cloudy	5.3	74	23	306	500
09-Apr-20	12:39	Sunny	5.3	261	5	306	500
09-Apr-20	13:39	Sunny	3.9	257	7	306	500
09-Apr-20	14:39	Sunny	3.3	260	8	306	500
15-Apr-20	12:50	Sunny	3.1	266	22	306	500
15-Apr-20	13:50	Sunny	3.9	258	29	306	500
15-Apr-20	14:50	Sunny	4.7	262	32	306	500
21-Apr-20	12:33	Sunny	7.5	150	7	306	500
21-Apr-20	13:33	Sunny	6.9	153	11	306	500
21-Apr-20	14:33	Sunny	7.2	138	15	306	500
27-Apr-20	13:05	Cloudy	3.6	259	17	306	500
27-Apr-20	14:05	Cloudy	3.9	262	24	306	500
27-Apr-20	15:05	Cloudy	4.2	251	19	306	500

**1-hour TSP Results**

**Station: AR2- Village House, Tin Sum**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
03-Apr-20	9:05	Cloudy	8.3	84	15	298	500
03-Apr-20	10:05	Cloudy	8.3	92	14	298	500
03-Apr-20	11:05	Cloudy	10.3	90	18	298	500
09-Apr-20	9:00	Sunny	3.3	54	4	298	500
09-Apr-20	10:00	Sunny	3.1	49	5	298	500
09-Apr-20	11:00	Sunny	2.2	342	5	298	500
15-Apr-20	9:10	Sunny	1.7	359	22	298	500
15-Apr-20	10:10	Sunny	2.8	269	13	298	500
15-Apr-20	11:10	Sunny	3.3	252	18	298	500
21-Apr-20	9:00	Sunny	4.2	160	6	298	500
21-Apr-20	10:00	Sunny	5.6	147	16	298	500
21-Apr-20	11:00	Sunny	6.1	155	14	298	500
27-Apr-20	9:00	Cloudy	2.5	50	7	298	500
27-Apr-20	10:00	Cloudy	3.3	55	6	298	500
27-Apr-20	11:00	Cloudy	3.1	54	7	298	500



**Notes**

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

# Noise Monitoring Results

### Noise Measurement Results

#### Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
03-Apr-20	Cloudy	13:03	69.3	52.1	67
03-Apr-20	Cloudy	13:08	67.2	52.1	
03-Apr-20	Cloudy	13:13	68.9	52.7	
03-Apr-20	Cloudy	13:18	65.6	49.2	
03-Apr-20	Cloudy	13:23	65.6	52.5	
03-Apr-20	Cloudy	13:28	67.5	52.6	71
09-Apr-20	Sunny	14:48	69.3	51.3	
09-Apr-20	Sunny	14:53	65.7	50.1	
09-Apr-20	Sunny	14:58	72.4	51.5	
09-Apr-20	Sunny	15:03	73.0	51.8	
09-Apr-20	Sunny	15:08	70.4	50.2	71
09-Apr-20	Sunny	15:13	72.7	51.1	
15-Apr-20	Sunny	14:57	68.4	51.0	
15-Apr-20	Sunny	15:02	71.5	48.5	
15-Apr-20	Sunny	15:07	73.9	52.9	
15-Apr-20	Sunny	15:12	72.6	52.2	71
15-Apr-20	Sunny	15:17	65.6	50.1	
15-Apr-20	Sunny	15:22	67.2	51.3	
21-Apr-20	Sunny	12:54	70.8	51.4	
21-Apr-20	Sunny	12:59	70.7	50.5	
21-Apr-20	Sunny	13:04	73.3	52.5	
21-Apr-20	Sunny	13:09	72.7	51.6	
21-Apr-20	Sunny	13:14	74.4	52.2	
21-Apr-20	Sunny	13:19	70.3	52.7	71
27-Apr-20	Cloudy	13:20	68.7	48.7	
27-Apr-20	Cloudy	13:25	71.4	50.6	
27-Apr-20	Cloudy	13:30	84.8	52.9	
27-Apr-20	Cloudy	13:35	72.9	54.1	
27-Apr-20	Cloudy	13:40	70.0	51.9	71
27-Apr-20	Cloudy	13:45	71.8	50.8	

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 L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
03-Apr-20	Cloudy	13:53	63.5	57.6	64
03-Apr-20	Cloudy	13:58	62.9	57.4	
03-Apr-20	Cloudy	14:03	61.9	57.7	
03-Apr-20	Cloudy	14:08	65.2	59.4	
03-Apr-20	Cloudy	14:13	64.6	58.7	
03-Apr-20	Cloudy	14:18	61.6	57.4	63
09-Apr-20	Cloudy	14:04	61.6	56.7	
09-Apr-20	Cloudy	14:09	62.4	57.4	
09-Apr-20	Cloudy	14:14	63.1	56.9	
09-Apr-20	Cloudy	14:19	61.0	56.5	
09-Apr-20	Cloudy	14:24	62.4	56.3	61
09-Apr-20	Cloudy	14:29	64.1	55.8	
15-Apr-20	Sunny	13:32	59.5	55.2	
15-Apr-20	Sunny	13:37	60.8	55.5	
15-Apr-20	Sunny	13:42	61.2	55.5	
15-Apr-20	Sunny	13:47	61.2	54.9	62
15-Apr-20	Sunny	13:52	61.0	56.4	
15-Apr-20	Sunny	13:57	60.1	54.9	
21-Apr-20	Sunny	13:00	60.9	57.2	
21-Apr-20	Sunny	13:05	62.2	57.6	
21-Apr-20	Sunny	13:10	61.0	57.2	
21-Apr-20	Sunny	13:15	59.7	56.8	
21-Apr-20	Sunny	13:20	61.2	57.1	
21-Apr-20	Sunny	13:25	63.3	56.6	61
27-Apr-20	Sunny	13:03	59.5	55.3	
27-Apr-20	Sunny	13:08	60.6	55.2	
27-Apr-20	Sunny	13:13	59.2	55.0	
27-Apr-20	Sunny	13:18	61.2	55.8	
27-Apr-20	Sunny	13:23	59.8	55.2	61
27-Apr-20	Sunny	13:28	59.5	54.7	

Remarks:

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

### Noise Measurement Results

#### Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
03-Apr-20	Cloudy	9:16	59.0	51.7	57
03-Apr-20	Cloudy	9:21	52.9	50.5	
03-Apr-20	Cloudy	9:26	54.5	50.7	
03-Apr-20	Cloudy	9:31	54.3	50.6	
03-Apr-20	Cloudy	9:36	56.5	50.1	
03-Apr-20	Cloudy	9:41	56.0	51.3	58
09-Apr-20	Sunny	10:11	51.4	44.9	
09-Apr-20	Sunny	10:16	58.7	46.4	
09-Apr-20	Sunny	10:21	50.1	45.6	
09-Apr-20	Sunny	10:26	49.6	44.8	
09-Apr-20	Sunny	10:31	48.7	43.3	55
09-Apr-20	Sunny	10:36	51.9	45.6	
15-Apr-20	Sunny	9:37	57.1	43.8	
15-Apr-20	Sunny	9:42	53.8	43.5	
15-Apr-20	Sunny	9:47	52.4	43.6	
15-Apr-20	Sunny	9:52	57.3	44.2	57
15-Apr-20	Sunny	9:57	52.9	44.3	
15-Apr-20	Sunny	10:02	55.0	43.3	
21-Apr-20	Sunny	9:45	55.8	44.6	
21-Apr-20	Sunny	9:50	54.7	43.9	
21-Apr-20	Sunny	9:55	63.9	44.5	58
21-Apr-20	Sunny	10:00	51.0	42.5	
21-Apr-20	Sunny	10:05	55.4	44.6	
21-Apr-20	Sunny	10:10	56.7	42.9	
27-Apr-20	Cloudy	9:06	49.7	45.2	
27-Apr-20	Cloudy	9:11	53.1	45.2	58
27-Apr-20	Cloudy	9:16	56.5	46.0	
27-Apr-20	Cloudy	9:21	54.2	47.0	
27-Apr-20	Cloudy	9:26	56.0	48.1	
27-Apr-20	Cloudy	9:31	64.3	46.2	

Remarks:

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

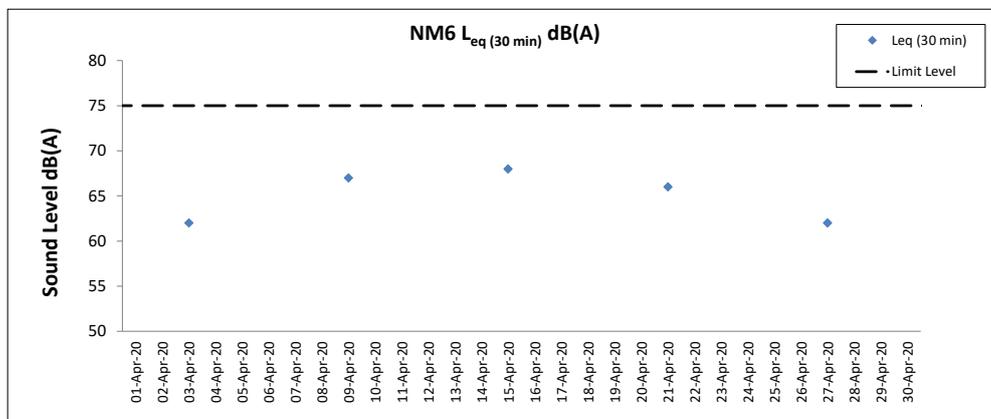
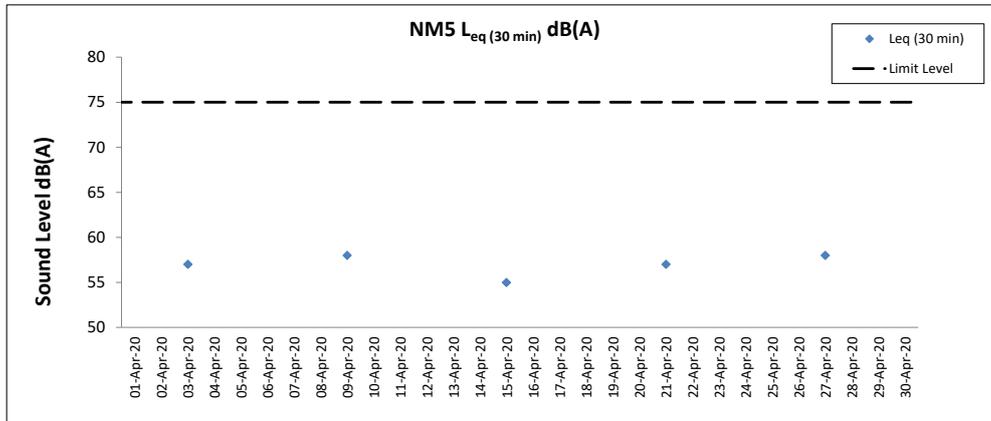
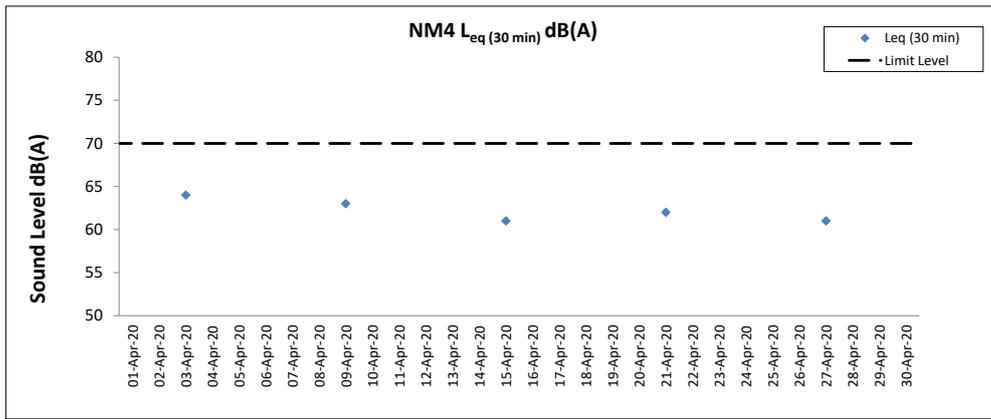
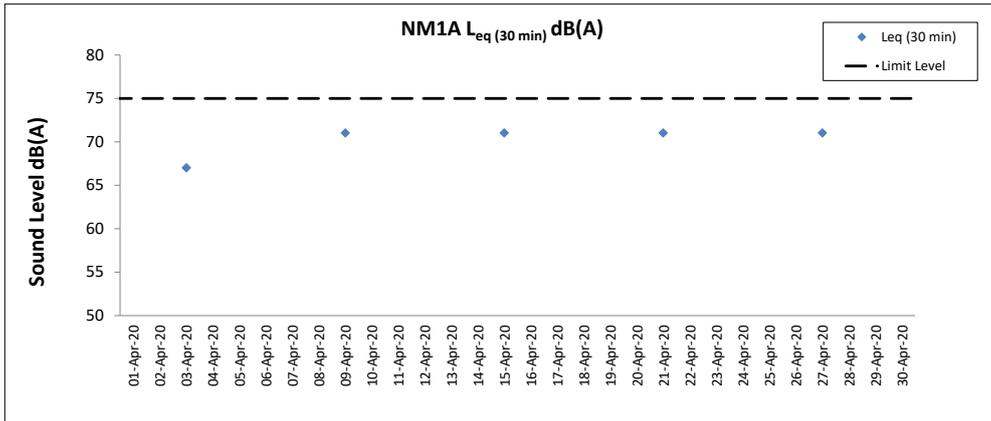
### Noise Measurement Results

#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
03-Apr-20	Cloudy	15:47	70.2	51.0	62
03-Apr-20	Cloudy	15:52	67.2	48.1	
03-Apr-20	Cloudy	15:57	67.5	48.5	
03-Apr-20	Cloudy	16:02	66.0	47.0	
03-Apr-20	Cloudy	16:07	68.3	48.8	
03-Apr-20	Cloudy	16:12	67.4	44.9	67
09-Apr-20	Cloudy	15:49	66.3	45.5	
09-Apr-20	Cloudy	15:54	63.6	45.4	
09-Apr-20	Cloudy	15:59	68.4	51.8	
09-Apr-20	Cloudy	16:04	63.5	46.6	
09-Apr-20	Cloudy	16:09	62.9	43.8	68
09-Apr-20	Cloudy	16:14	60.2	42.3	
15-Apr-20	Sunny	15:43	61.9	49.9	
15-Apr-20	Sunny	15:48	59.5	48.4	
15-Apr-20	Sunny	15:53	60.4	47.5	
15-Apr-20	Sunny	15:58	66.6	49.8	66
15-Apr-20	Sunny	16:03	65.6	59.3	
15-Apr-20	Sunny	16:08	65.4	59.3	
21-Apr-20	Cloudy	15:43	71.6	64.3	
21-Apr-20	Cloudy	15:48	67.9	61.5	
21-Apr-20	Cloudy	15:53	67.5	63.3	62
21-Apr-20	Cloudy	15:58	67.6	63.9	
21-Apr-20	Cloudy	16:03	68.5	60.3	
21-Apr-20	Cloudy	16:08	68.8	60.7	
27-Apr-20	Sunny	15:43	61.0	45.3	
27-Apr-20	Sunny	15:48	59.7	45.6	62
27-Apr-20	Sunny	15:53	71.2	45.0	
27-Apr-20	Sunny	15:58	52.0	43.3	
27-Apr-20	Sunny	16:03	57.2	47.3	
27-Apr-20	Sunny	16:08	68.8	49.3	

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 20 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	Fine	Rough	19:07	8.8	Surface	1.0	0.4	217	21.8	21.8	7.8	7.8	33.6	33.6	96.2	96.2	6.9	6.8	4.3	6.5	6	7	86	90	815608	804239	<0.2	1.0	<0.2	0.9				
						1.0	0.4	224	21.8	21.8	7.8	7.8	33.6	33.6	96.1	96.1	6.9	6.8	4.4	6.5	6	7	86	90	815608	804239	<0.2	1.2	<0.2	1.2				
					Middle	4.4	0.4	211	21.9	21.9	7.8	7.8	33.6	33.7	92.6	92.6	6.7	6.7	6.2	6.7	6	7	8	6	90	88	815608	804239	<0.2	1.2	<0.2	0.9		
						4.4	0.4	228	21.9	21.9	7.8	7.8	33.7	34.1	92.6	92.6	6.7	6.7	6.7	6.7	6	7	6	6	90	88	815608	804239	<0.2	1.2	<0.2	0.9		
					Bottom	7.8	0.2	209	21.8	21.8	7.8	7.8	34.1	34.1	93.4	93.4	6.7	6.7	8.6	6.7	8	8	8	8	8	8	94	89	815608	804239	<0.2	0.9	<0.2	0.8
						7.8	0.3	210	21.8	21.8	7.8	7.8	34.1	34.1	93.3	93.3	6.7	6.7	8.7	6.7	7	7	7	7	7	7	93	89	815608	804239	<0.2	1.1	<0.2	0.8
C2	Cloudy	Moderate	18:05	12.2	Surface	1.0	0.1	169	21.7	21.7	8.1	8.1	29.5	29.5	93.0	93.0	6.9	6.9	1.4	2.4	7	5	85	88	825695	806932	<0.2	1.2	<0.2	1.1				
						1.0	0.1	171	21.7	21.7	8.1	8.1	29.5	30.3	92.9	92.9	6.9	6.9	1.5	2.4	5	5	85	88	825695	806932	<0.2	1.1	<0.2	1.1				
					Middle	6.1	0.1	122	21.6	21.6	8.1	8.1	30.3	30.3	92.1	92.0	6.8	6.8	1.5	1.6	3	3	5	3	88	90	825695	806932	<0.2	1.1	<0.2	1.1		
						6.1	0.1	132	21.6	21.6	8.1	8.0	30.3	32.0	91.9	86.2	6.8	6.3	4.2	4.2	4	4	3	4	88	90	825695	806932	<0.2	1.1	<0.2	1.1		
					Bottom	11.2	0.1	92	21.6	21.6	8.0	8.0	32.0	32.0	86.2	86.2	6.3	6.3	4.2	4.2	4	4	4	4	4	4	90	90	825695	806932	<0.2	1.1	<0.2	1.1
						11.2	0.1	95	21.6	21.6	8.0	8.0	32.0	32.0	86.2	86.2	6.3	6.3	4.2	4.2	4	4	4	4	4	4	90	90	825695	806932	<0.2	1.1	<0.2	1.1
C3	Cloudy	Moderate	20:14	12.8	Surface	1.0	0.2	87	21.5	21.5	8.1	8.1	31.1	31.1	92.2	92.3	6.8	6.8	2.4	3.1	5	4	85	87	822087	817783	<0.2	0.8	<0.2	0.7				
						1.0	0.2	87	21.5	21.5	8.1	8.1	31.1	31.3	92.3	91.8	6.8	6.8	2.5	3.1	5	4	85	87	822087	817783	<0.2	0.8	<0.2	0.7				
					Middle	6.4	0.3	105	21.5	21.5	8.1	8.1	31.3	31.3	91.8	91.8	6.8	6.8	2.5	2.5	4	5	4	5	87	87	822087	817783	<0.2	0.8	<0.2	0.9		
						6.4	0.3	113	21.5	21.5	8.1	8.2	31.3	32.3	91.8	90.3	6.8	6.6	4.3	4.3	5	3	4	5	87	90	822087	817783	<0.2	0.7	<0.2	0.7		
					Bottom	11.8	0.3	122	21.5	21.5	8.2	8.2	32.3	32.3	90.3	90.3	6.6	6.6	4.3	4.3	2	2	2	2	5	2	89	89	822087	817783	<0.2	0.7	<0.2	0.7
						11.8	0.3	127	21.5	21.5	8.2	8.2	32.3	32.3	90.3	90.3	6.6	6.6	4.3	4.3	2	2	2	2	5	2	89	89	822087	817783	<0.2	0.7	<0.2	0.7
IM1	Fine	Moderate	18:49	5.4	Surface	1.0	0.2	167	21.9	21.9	7.8	7.8	33.8	33.8	91.3	91.2	6.6	6.6	7.4	7.8	10	9	86	85	817932	807146	<0.2	0.8	<0.2	0.7				
						1.0	0.2	179	21.9	21.9	7.8	7.8	33.8	33.8	91.1	91.1	6.6	6.6	7.4	7.8	9	9	85	85	817932	807146	<0.2	0.7	<0.2	0.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.4	0.2	188	21.9	21.9	7.8	7.8	33.9	33.9	91.3	91.3	6.6	6.6	8.6	6.6	8	8	8	8	8	8	93	93	817932	807146	<0.2	0.6	<0.2	0.6
						4.4	0.2	204	21.9	21.9	7.8	7.8	33.9	33.9	91.2	91.2	6.6	6.6	7.8	6.6	8	8	8	8	8	8	94	94	817932	807146	<0.2	0.6	<0.2	0.6
IM2	Fine	Rough	18:43	7.1	Surface	1.0	0.2	178	21.9	21.9	7.7	7.7	33.7	33.7	94.7	94.7	6.8	6.8	4.6	5.4	6	6	86	86	818147	806183	<0.2	0.6	<0.2	0.6				
						1.0	0.2	181	21.9	21.9	7.7	7.7	33.7	33.7	94.6	94.6	6.8	6.8	4.6	5.4	6	6	86	86	818147	806183	<0.2	0.6	<0.2	0.6				
					Middle	3.6	0.2	176	21.9	21.9	7.8	7.8	33.7	33.7	91.8	91.8	6.6	6.6	5.5	6.6	6	6	7	6	90	89	818147	806183	<0.2	0.6	<0.2	0.5		
						3.6	0.2	186	21.9	21.9	7.8	7.8	33.7	33.8	91.8	91.8	6.6	6.6	5.5	6.6	6	6	6	6	89	89	818147	806183	<0.2	0.6	<0.2	0.5		
					Bottom	6.1	0.1	148	21.9	21.9	7.8	7.8	33.8	33.8	91.8	91.6	6.6	6.6	6.2	6.6	7	7	7	7	6	6	93	93	818147	806183	<0.2	0.6	<0.2	0.6
						6.1	0.2	152	21.9	21.9	7.8	7.8	33.9	33.9	91.3	91.3	6.6	6.6	6.1	6.6	6	6	6	6	6	6	94	94	818147	806183	<0.2	0.6	<0.2	0.6
IM3	Fine	Rough	18:36	7.4	Surface	1.0	0.3	224	21.9	21.9	7.7	7.7	33.6	33.6	94.7	94.7	6.8	6.8	4.9	5.9	11	9	82	83	818767	805596	<0.2	0.6	<0.2	0.7				
						1.0	0.3	233	21.9	21.9	7.7	7.7	33.6	33.6	94.7	94.7	6.8	6.8	4.9	5.9	9	9	83	83	818767	805596	<0.2	0.7	<0.2	0.6				
					Middle	3.7	0.2	221	21.9	21.9	7.7	7.7	33.6	33.6	91.8	91.8	6.6	6.6	5.7	6.6	9	9	9	9	86	86	818767	805596	<0.2	0.6	<0.2	0.6		
						3.7	0.2	224	21.9	21.9	7.7	7.7	33.6	33.6	91.8	91.8	6.6	6.6	5.8	6.6	9	9	9	9	86	87	818767	805596	<0.2	0.6	<0.2	0.6		
					Bottom	6.4	0.2	198	22.0	22.0	7.6	7.6	33.7	33.7	91.0	91.0	6.6	6.6	7.1	6.6	8	8	8	8	8	8	90	90	818767	805596	<0.2	0.6	<0.2	0.6
						6.4	0.2	214	22.0	22.0	7.6	7.6	33.7	33.7	91.0	91.0	6.6	6.6	7.1	6.6	7	7	7	7	8	8	91	91	818767	805596	<0.2	0.6	<0.2	0.6
IM4	Fine	Moderate	18:27	8.2	Surface	1.0	0.4	200	21.8	21.8	7.7	7.7	31.9	31.9	95.0	95.0	6.9	6.8	3.6	5.0	6	6	83	83	819709	804605	<0.2	0.7	<0.2	0.7				
						1.0	0.4	212	21.8	21.8	7.7	7.7	31.9	31.9	94.9	94.9	6.9	6.8	3.7	5.0	6	6	83	83	819709	804605	<0.2	0.7	<0.2	0.7				
					Middle	4.1	0.2	198	21.9	21.9	7.7	7.7	33.3	33.3	92.3	92.3	6.7	6.7	5.2	6.7	7	7	7	7	87	87	819709	804605	<0.2	0.7	<0.2	0.7		
						4.1	0.2	210	21.9	21.9	7.7	7.7	33.3	33.3	92.2	92.3	6.7	6.7	5.2	6.7	5	5	7	7	87	87	819709	804605	<0.2	0.6	<0.2	0.6		
					Bottom	7.2	0.2	183	22.0	22.0	7.7	7.7	33.5	33.5	91.9	91.9	6.6	6.6	6.1	6.6	7	7	7	7	7	7	91	91	819709	804605	<0.2	0.6	<0.2	0.6
						7.2	0.2	189	22.0	22.0	7.7	7.7	33.5	33.5	91.9	91.9	6.6	6.6	6.1	6.6	5	5	7	7	7	7	91	91	819709	804605	<0.2	0.8	<0.2	0.8
IM5	Fine	Moderate	18:21	8.0	Surface	1.0	0.5	233	21.7	21.7	7.7	7.7	31.3	31.3	93.0	93.0	6.8	6.8	5.6	7.3	6	6	83	82	820746	804855	<0.2	1.0	<0.2	0.9				
						1.0	0.6	247	21.7	21.7	7.7	7.7	31.3	31.3	93.0	93.0																		

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

Water Quality Monitoring Results on 02 April 20 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	Cloudy	Moderate	18:47	7.6	Surface	1.0	0.2	90	21.6	21.6	8.2	8.2	30.6	30.6	92.3	92.4	6.8	6.8	4.0	6.0	5	5	87	88	88	822081	808789	<0.2	1.0	1.0	1.0				
						1.0	0.2	98	21.6	21.6	8.2	8.2	30.6	30.6	92.4	92.4	6.8	6.8	4.1	6.0	6	5	86	86	88			<0.2	1.0	1.0	1.0				
						3.8	0.2	66	21.7	21.7	8.2	8.2	30.8	30.8	93.4	93.4	6.9	6.9	6.1	6.0	4	5	89	88	88			<0.2	1.0	1.0	1.0				
					Middle	3.8	0.2	67	21.7	21.7	8.2	8.2	30.8	30.8	93.4	93.4	6.9	6.9	6.1	6.0	4	5	88	88	88			<0.2	1.0	1.0	1.0	1.0			
						6.6	0.2	69	21.7	21.7	8.2	8.2	31.4	31.4	94.2	94.2	6.9	6.9	7.8	6.0	5	5	90	89	88			<0.2	1.0	1.0	1.0	1.0			
						6.6	0.2	75	21.7	21.7	8.2	8.2	31.4	31.4	94.2	94.2	6.9	6.9	7.8	6.0	5	5	90	89	88			<0.2	1.0	1.0	1.0	1.0			
IM10	Cloudy	Moderate	18:56	7.7	Surface	1.0	0.6	99	21.6	21.6	8.2	8.2	30.7	30.7	92.3	92.4	6.8	6.8	3.6	4.8	7	6	86	86	88	822366	809790	<0.2	0.8	0.8	0.8				
						1.0	0.6	103	21.6	21.6	8.2	8.2	30.7	30.7	92.4	92.4	6.8	6.8	3.6	4.8	8	6	86	86	88			<0.2	0.8	0.8	0.8				
						3.9	0.5	80	21.6	21.6	8.2	8.2	30.7	30.7	92.6	92.7	6.8	6.8	3.6	4.8	6	6	88	88	88			<0.2	0.8	0.8	0.8				
					Middle	3.9	0.6	86	21.6	21.6	8.2	8.2	30.7	30.7	92.7	92.7	6.8	6.8	3.5	4.8	5	6	88	88	88			<0.2	0.8	0.8	0.8	0.8			
						6.7	0.5	104	21.6	21.6	8.2	8.2	31.6	31.6	88.4	88.4	6.5	6.5	7.1	7.0	5	5	90	89	88			<0.2	0.8	0.8	0.8	0.8			
						6.7	0.5	112	21.6	21.6	8.2	8.2	31.6	31.6	88.3	88.3	6.5	6.5	7.1	7.0	5	5	91	89	88			<0.2	0.8	0.8	0.8	0.8			
IM11	Cloudy	Moderate	19:09	8.5	Surface	1.0	0.4	156	21.5	21.5	8.2	8.2	30.4	30.4	90.5	90.6	6.7	6.7	3.8	6.2	8	6	86	86	88	822048	811462	<0.2	0.9	0.9	0.9				
						1.0	0.4	161	21.5	21.5	8.2	8.2	30.4	30.4	90.6	90.6	6.7	6.7	3.8	6.2	4	6	86	86	88			<0.2	0.9	0.9	0.9				
						4.3	0.4	140	21.6	21.6	8.2	8.2	30.6	30.6	89.7	89.7	6.6	6.6	5.0	6.0	6	6	88	88	88			<0.2	0.9	0.9	0.9				
					Middle	4.3	0.5	146	21.6	21.6	8.2	8.2	30.6	30.6	89.7	89.7	6.6	6.6	5.0	6.0	6	6	88	88	88			<0.2	0.9	0.9	0.9	0.9			
						7.5	0.3	142	21.5	21.5	8.2	8.2	31.6	31.6	88.2	88.2	6.5	6.5	9.7	6.0	4	4	90	89	88			<0.2	0.8	0.8	0.8	0.8			
						7.5	0.3	155	21.5	21.5	8.2	8.2	31.6	31.6	88.4	88.4	6.5	6.5	9.7	6.0	5	5	89	89	88			<0.2	0.8	0.8	0.8	0.8			
IM12	Cloudy	Moderate	19:17	8.8	Surface	1.0	0.3	95	21.6	21.6	8.2	8.2	30.4	30.4	90.1	90.1	6.7	6.7	4.8	7.0	5	5	87	87	88	821455	812069	<0.2	0.9	0.9	0.9				
						1.0	0.4	96	21.6	21.6	8.2	8.2	30.4	30.4	90.1	90.1	6.7	6.7	4.8	7.0	4	5	86	86	88			<0.2	0.8	0.8	0.8				
						4.4	0.4	94	21.6	21.6	8.2	8.2	30.5	30.5	89.0	89.9	6.6	6.6	6.1	6.0	6	5	87	87	88			<0.2	0.8	0.8	0.8				
					Middle	4.4	0.4	95	21.6	21.6	8.2	8.2	30.5	30.5	88.8	88.8	6.6	6.6	6.2	6.0	4	5	88	88	88			<0.2	0.8	0.8	0.8	0.8			
						7.8	0.3	105	21.5	21.5	8.2	8.2	31.5	31.5	88.7	88.8	6.5	6.5	10.0	6.0	6	6	90	89	88			<0.2	0.9	0.9	0.9				
						7.8	0.3	110	21.5	21.5	8.2	8.2	31.5	31.5	88.8	88.8	6.5	6.5	10.0	6.0	6	6	90	89	88			<0.2	0.9	0.9	0.9	0.9			
SR1A	Cloudy	Moderate	19:39	5.3	Surface	1.0	-	-	21.5	21.5	8.2	8.2	30.3	30.3	86.7	86.7	6.4	6.4	4.0	4.7	5	5	-	-	-	819971	812655	-	-	-	-				
						1.0	-	-	21.5	21.5	8.2	8.2	30.3	30.3	86.7	86.7	6.4	6.4	4.0	4.7	4	5	-	-	-			-	-	-	-				
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.3	-	-	21.6	21.6	8.2	8.2	31.3	31.3	84.9	84.9	6.2	6.2	5.3	6.0	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
						4.3	-	-	21.6	21.6	8.2	8.2	31.3	31.3	84.9	84.9	6.2	6.2	5.3	6.0	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
SR2	Cloudy	Moderate	19:52	4.9	Surface	1.0	0.4	70	21.5	21.5	8.2	8.2	30.4	30.4	91.0	91.0	6.7	6.7	2.8	3.5	5	5	87	87	88	821440	814160	<0.2	0.9	0.9	0.9				
						1.0	0.4	73	21.5	21.5	8.2	8.2	30.4	30.4	91.0	91.0	6.7	6.7	2.9	3.5	4	5	88	88	88			<0.2	1.0	1.0	1.0				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.9	0.2	67	21.5	21.5	8.2	8.2	31.5	31.5	90.2	90.2	6.6	6.6	4.2	6.0	6	6	89	89	88			<0.2	0.9	0.9	0.9	0.9			
						3.9	0.2	69	21.5	21.5	8.2	8.2	31.6	31.6	90.2	90.2	6.6	6.6	4.1	6.0	4	4	89	89	88			<0.2	0.8	0.8	0.8	0.8			
SR3	Cloudy	Moderate	18:31	9.5	Surface	1.0	0.2	207	21.6	21.6	8.1	8.1	30.3	30.3	91.7	91.7	6.8	6.8	3.7	5.6	3	4	-	-	-	822134	807580	-	-	-	-				
						1.0	0.2	212	21.6	21.6	8.1	8.1	30.3	30.3	91.6	91.6	6.8	6.8	3.7	5.6	3	4	-	-	-			-	-	-	-				
						4.8	0.1	208	21.6	21.6	8.2	8.2	30.8	30.8	91.2	91.2	6.7	6.7	5.5	4	4	-	-	-	-	-	-	-	-	-	-				
					Middle	4.8	0.1	212	21.6	21.6	8.2	8.2	30.8	30.8	91.2	91.2	6.7	6.7	5.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-		
						8.5	0.0	45	21.7	21.7	8.2	8.2	32.4	32.4	91.9	92.0	6.7	6.7	7.5	6.0	4	4	-	-	-	-	-	-	-	-	-	-	-		
						8.5	0.0	45	21.7	21.7	8.2	8.2	32.4	32.4	92.0	92.0	6.7	6.7	7.6	6.0	4	4	-	-	-	-	-	-	-	-	-	-			
SR4A	Fine	Calm	19:30	8.4	Surface	1.0	0.0	162	22.0	22.0	7.8	7.8	30.1	30.1	94.9	94.9	7.0	6.8	3.8	6.6	6	5	-	-	-	817209	807793	-	-	-	-				
						1.0	0.0	171	22.0	22.0	7.8	7.8	30.1	30.1	94.8	94.8	7.0	6.8	3.9	6.6	4	5	-	-	-			-	-	-	-				
						4.2	0.1	75	21.9	21.9	7.8	7.8	34.0	34.0	90.8	90.8	6.5	6.5	7.3	6.0	5	5	-	-	-	-	-	-	-	-					
					Middle	4.2	0.1	80	21.9	21.9	7.8	7.8	34.0	34.0	90.8	90.8	6.5	6.5	7.3	6.0	4	5	-	-	-	-	-	-	-	-	-				
						7.4	0.1	73	21.9	21.9	7.8	7.8	34.0	34.0	91.1	91.1	6.6	6.6	8.7	6.0	5	5	-	-	-	-	-	-	-	-					
						7.4	0.1	74	21.9	21.9	7.8	7.8	34.0	34.0	91.0	91.0	6.5	6.5	8.4	6.0	5	5	-	-	-	-	-	-	-						
SR5A	Fine	Calm	19:48																																





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

Water Quality Monitoring

Water Quality Monitoring Results on 04 April 20 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	10:35	8.3	Surface	1.0	0.1	190	21.6	21.6	8.1	8.1	30.3	30.3	95.6	95.6	7.1	1.8		<2		83			815615	804229	<0.2	0.8		0.9				
						1.0	0.1	208	21.6	21.6	8.1	8.1	30.3	30.3	95.5	95.5	7.1	1.9		<2		84												
					Middle	4.2	0.1	188	21.6	21.6	8.1	8.1	32.7	32.7	92.7	92.7	6.8	3.3		<2		88							<0.2	0.8				
						4.2	0.1	205	21.6	21.6	8.1	8.1	32.7	32.7	92.7	92.7	6.8	3.3		<2		89							<0.2	1.0				
					Bottom	7.3	0.1	206	21.7	21.7	8.1	8.1	33.2	33.2	92.8	92.8	6.7	6.7		2		92								<0.2	1.0			
						7.3	0.1	211	21.7	21.7	8.1	8.1	33.2	33.2	92.8	92.8	6.7	6.6		3		93							<0.2	0.9				
C2	Cloudy	Moderate	11:58	11.6	Surface	1.0	0.5	160	21.6	21.6	8.1	8.1	26.2	26.2	91.3	91.4	6.9	3.2		3		84			825675	806932	<0.2	1.3		1.3				
						1.0	0.5	167	21.6	21.6	8.1	8.1	26.2	26.2	91.5	91.5	6.9	3.2		3		84												
					Middle	5.8	0.3	164	21.7	21.7	8.1	8.1	30.5	30.5	90.0	90.0	6.6	6.4		3		87							<0.2	1.3				
						5.8	0.3	175	21.7	21.7	8.1	8.1	30.5	30.5	90.0	90.0	6.6	6.4		3		87							<0.2	1.3				
					Bottom	10.6	0.1	136	21.6	21.6	8.1	8.1	31.1	31.1	87.7	87.8	6.5	6.5		3		88								<0.2	1.3			
						10.6	0.1	137	21.6	21.6	8.1	8.1	31.1	31.1	87.8	87.8	6.5	6.5		3		88							<0.2	1.3				
C3	Cloudy	Moderate	09:34	12.3	Surface	1.0	0.3	102	21.4	21.4	8.0	8.0	31.1	31.1	90.7	90.7	6.7	1.1		2		85			822120	817780	<0.2	0.6		0.6				
						1.0	0.3	102	21.4	21.4	8.0	8.0	31.1	31.1	90.7	90.7	6.6	1.1		3		86												
					Middle	6.2	0.3	82	21.5	21.5	8.0	8.0	32.6	32.6	88.5	88.6	6.5	2.3		<2		88							<0.2	0.6		0.6		
						6.2	0.3	87	21.5	21.5	8.0	8.0	32.6	32.6	88.6	88.6	6.5	2.3		<2		89							<0.2	0.6		0.6		
					Bottom	11.3	0.2	61	21.4	21.4	8.0	8.0	32.8	32.8	89.3	89.4	6.5	3.4		<2		90								<0.2	0.7		0.7	
						11.3	0.2	65	21.4	21.4	8.0	8.0	32.8	32.8	89.5	89.5	6.5	3.3		<2		91							<0.2	0.7		0.7		
IM1	Rainy	Moderate	10:56	4.7	Surface	1.0	0.1	200	21.6	21.6	8.0	8.0	30.0	30.0	94.4	94.4	7.0	4.8		3		88			817925	807144	<0.2	1.2		1.2				
						1.0	0.1	203	21.6	21.6	8.0	8.0	30.0	30.0	94.3	94.3	7.0	4.8		3		89												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-						<0.2	-		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-						<0.2	-		-	
					Bottom	3.7	0.1	210	21.7	21.7	8.0	8.0	32.0	32.0	92.2	92.2	6.7	6.7		10.1		4		91							<0.2	1.1		1.1
						3.7	0.1	211	21.7	21.7	8.0	8.0	32.0	32.0	92.2	92.2	6.7	10.0		4		92								<0.2	1.2		1.2	
IM2	Rainy	Moderate	11:04	6.7	Surface	1.0	0.1	186	21.6	21.6	8.1	8.1	29.0	29.0	95.4	95.4	7.1	2.3		2		85			818164	806144	<0.2	1.0		1.0				
						1.0	0.1	199	21.6	21.6	8.1	8.1	29.0	29.0	95.3	95.3	7.1	2.3		2		85												
					Middle	3.4	0.1	142	21.7	21.7	8.1	8.1	30.1	30.1	94.3	94.3	7.0	2.5		2		89							<0.2	0.9		0.9		
						3.4	0.1	146	21.7	21.7	8.1	8.1	30.1	30.1	94.3	94.3	7.0	2.6		3		89							<0.2	1.0		1.0		
					Bottom	5.7	0.1	54	21.7	21.7	8.1	8.1	32.3	32.3	92.1	92.1	6.7	6.7		3.6		3		92						<0.2	1.0		1.0	
						5.7	0.1	56	21.7	21.7	8.1	8.1	32.3	32.3	92.1	92.1	6.7	6.7		3		93							<0.2	1.0		1.0		
IM3	Rainy	Moderate	11:11	6.8	Surface	1.0	0.1	86	21.6	21.6	8.0	8.0	29.1	29.1	94.8	94.9	7.1	3.3		3		85			818774	805593	<0.2	0.9		0.9				
						1.0	0.1	89	21.6	21.6	8.0	8.0	29.1	29.1	94.9	94.9	7.1	2.3		3		86												
					Middle	3.4	0.0	41	21.7	21.7	8.0	8.0	32.3	32.3	92.4	92.4	6.7	3.9		3		89							<0.2	1.0		1.0		
						3.4	0.0	41	21.7	21.7	8.0	8.0	32.3	32.3	92.3	92.3	6.7	3.9		3		91							<0.2	1.1		1.1		
					Bottom	5.8	0.0	24	21.7	21.7	8.0	8.0	32.4	32.4	94.5	94.5	6.9	4.4		3		93								<0.2	1.1		1.1	
						5.8	0.0	25	21.7	21.7	8.0	8.0	32.4	32.4	94.4	94.4	6.9	4.4		3		92							<0.2	1.0		1.0		
IM4	Rainy	Moderate	11:21	7.7	Surface	1.0	0.2	166	21.7	21.7	8.1	8.1	29.4	29.4	93.5	93.6	6.9	3.5		5		87			819715	804590	<0.2	1.3		1.3				
						1.0	0.2	176	21.7	21.7	8.1	8.1	29.4	29.4	93.6	93.6	6.9	3.5		5		88												
					Middle	3.9	0.2	152	21.8	21.8	8.1	8.1	31.9	31.9	92.0	92.0	6.7	4.1		5		91							<0.2	1.3		1.3		
						3.9	0.2	155	21.8	21.8	8.1	8.1	31.9	31.9	92.0	92.0	6.7	4.1		5		92							<0.2	1.3		1.3		
					Bottom	6.7	0.1	156	21.8	21.8	8.1	8.1	32.3	32.3	91.4	91.4	6.7	5.9		4		92								<0.2	1.3		1.3	
						6.7	0.1	168	21.8	21.8	8.1	8.1	32.3	32.3	91.4	91.4	6.7	5.9		4		93							<0.2	1.4		1.4		
IM5	Rainy	Moderate	11:31	7.4	Surface	1.0	0.1	235	21.6	21.6	8.1	8.1	28.1	28.1	94.1	94.1	7.0	3.8		5		87			820742	804862	<0.2	1.3		1.3				
						1.0	0.2	256	21.6	21.6	8.1	8.1	28.1	28.1	94.1	94.1	7.0	3.8		5		86												
					Middle	3.7	0.1	190	21.7	21.7	8.1	8.1	31.0	31.0	93.9	93.9	6.9	3.1		4		87							<0.2	1.3		1.3		
						3.7	0.1	201	21.7	21.7	8.1	8.1	31.0	31.0	93.9	93.9	6.9	3.1		3		88							<0.2	1.3		1.3		
					Bottom	6.4	0.1	181	21.8	21.8	8.1	8.1	32.1	32.1	90.9	91.0	6.6	6.1		4		91								<0.2	1.4		1.4	
						6.4	0.1	183	21.8	21.8	8.1	8.1	32.1	32.1	91.0	91.0	6.6	6.1		4		91							<0.2	1.3		1.3		
IM6	Rainy	Moderate	11:40	7.0	Surface	1.0	0.1	295	21.7	21.7	8.1	8.1	28.0	28.0	93.8	93.8	7.0	4.0		3		86			821083	805809	<0.2	1.3		1.3				
						1.0	0.1	307	21.7	21.7	8.1	8.1	28.0	28.0	93.8	93.8	7.0	4.0		3		86												
					Middle	3.5	0.1	171	21.7	21.																								

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

Water Quality Monitoring Results on 04 April 20 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	DA
IM9	Cloudy	Moderate	11:15	7.4	Surface	1.0	0.2	110	21.7	21.7	8.1	8.1	26.2	26.2	90.4	90.5	6.8	6.8	2.6	4	85	87	87	87	822100	808803	<0.2	1.2	1.3	1.3				
						1.0	0.2	115	21.7	21.7	8.1	8.1	26.2	26.2	90.5	90.5	6.8	6.8	2.6	4	84	84	84	84			<0.2	1.2	1.3					
						3.7	0.2	50	21.7	21.7	8.1	8.1	27.6	27.6	90.4	90.4	6.8	6.8	3.6	4	86	86	86	86			<0.2	1.2	1.3					
					6.4	0.3	53	21.7	21.7	8.1	8.1	27.6	27.6	90.4	90.4	6.8	6.8	3.6	3	87	87	87	87	<0.2			1.2	1.3						
					6.4	0.3	54	21.7	21.7	8.1	8.1	30.7	30.7	90.6	90.7	6.7	6.7	8.4	3	89	89	89	89	<0.2			1.2	1.3						
					6.4	0.3	55	21.7	21.7	8.1	8.1	30.7	30.7	90.8	90.8	6.7	6.7	8.4	3	88	88	88	88	<0.2			1.2	1.3						
IM10	Cloudy	Moderate	11:06	7.9	Surface	1.0	0.4	132	21.6	21.6	8.1	8.1	26.7	26.7	92.1	92.1	6.9	6.9	2.8	4	85	85	85	85	822369	809816	<0.2	1.2	1.2	1.2				
						1.0	0.4	132	21.6	21.6	8.1	8.1	26.7	26.7	92.1	92.1	6.9	6.9	2.8	4	89	89	89	89			<0.2	1.2	1.2					
						4.0	0.4	127	21.6	21.6	8.1	8.1	26.8	26.8	91.7	91.7	6.9	6.9	3.6	3	88	88	88	88			<0.2	1.2	1.3					
					4.0	0.5	139	21.6	21.6	8.1	8.1	26.8	26.8	91.7	91.7	6.9	6.9	3.7	3	88	88	88	88	<0.2			1.2	1.2						
					6.9	0.4	119	21.7	21.7	8.1	8.1	29.6	29.6	91.6	91.6	6.8	6.8	9.8	3	89	89	89	89	<0.2			1.2	1.2						
					6.9	0.4	119	21.7	21.7	8.1	8.1	29.7	29.7	91.6	91.6	6.8	6.8	9.8	3	89	89	89	89	<0.2			1.2	1.2						
IM11	Cloudy	Moderate	10:51	9.3	Surface	1.0	0.6	114	21.7	21.7	8.1	8.1	26.4	26.4	90.9	90.9	6.9	6.9	3.1	6	85	85	85	85	822077	811445	<0.2	1.2	1.3	1.3				
						1.0	0.7	118	21.7	21.7	8.1	8.1	26.4	26.4	90.8	90.8	6.9	6.9	3.1	6	87	87	87	87			<0.2	1.2	1.3					
						4.7	0.5	97	21.7	21.7	8.1	8.1	29.1	29.1	89.3	89.3	6.6	6.6	5.5	5	87	87	87	87			<0.2	1.2	1.4					
					4.7	0.5	106	21.7	21.7	8.1	8.1	29.1	29.1	89.3	89.3	6.6	6.6	5.5	5	88	88	88	88	<0.2			1.2	1.3						
					8.3	0.3	88	21.6	21.6	8.1	8.1	31.1	31.1	87.6	87.6	6.5	6.5	8.1	4	88	88	88	88	<0.2			1.2	1.3						
					8.3	0.3	90	21.6	21.6	8.1	8.1	31.1	31.1	87.6	87.6	6.5	6.5	8.2	4	89	89	89	89	<0.2			1.2	1.3						
IM12	Cloudy	Moderate	10:36	8.8	Surface	1.0	0.4	118	21.6	21.6	8.1	8.1	26.3	26.3	90.3	90.4	6.8	6.8	3.4	2	85	85	85	85	821435	812039	<0.2	1.2	1.2	1.2				
						1.0	0.5	118	21.6	21.6	8.1	8.1	26.3	26.3	90.4	90.4	6.8	6.8	3.4	3	85	85	85	85			<0.2	1.2	1.2					
						4.4	0.3	107	21.6	21.6	8.1	8.1	30.0	30.0	90.2	90.1	6.7	6.7	3.8	3	87	87	87	87			<0.2	1.1	1.1					
					4.4	0.3	110	21.6	21.6	8.1	8.1	30.0	30.0	90.0	90.0	6.7	6.7	3.8	3	88	88	88	88	<0.2			1.2	1.2						
					7.8	0.1	75	21.5	21.5	8.1	8.1	31.3	31.3	89.2	89.2	6.6	6.6	4.3	4	89	89	89	89	<0.2			1.1	1.1						
					7.8	0.1	78	21.5	21.5	8.1	8.1	31.3	31.3	89.2	89.2	6.6	6.6	4.3	4	89	89	89	89	<0.2			1.2	1.2						
SR1A	Cloudy	Moderate	10:12	5.1	Surface	1.0	-	-	21.4	21.4	8.0	8.0	29.1	29.1	90.4	90.4	6.8	6.8	2.6	3	-	-	-	-	819981	812659	-	-	-	-				
						1.0	-	-	21.4	21.4	8.0	8.0	29.1	29.1	90.4	90.4	6.7	6.8	2.6	3	-	-	-	-			-	-	-		-			
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	-	-
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	-	-
					4.1	-	-	21.5	21.5	8.0	8.0	30.6	30.6	89.0	89.0	6.6	6.6	3.6	3	-	-	-	-	-			-	-	-		-	-	-	
					4.1	-	-	21.5	21.5	8.0	8.0	30.6	30.6	88.9	88.9	6.6	6.6	3.7	3	-	-	-	-	-			-	-	-		-	-	-	
SR2	Cloudy	Moderate	09:58	4.9	Surface	1.0	0.1	50	21.5	21.5	8.0	8.0	30.6	30.7	88.7	88.8	6.6	6.6	4.1	2	87	87	87	87	821464	814144	<0.2	1.2	1.2	1.2				
						1.0	0.1	51	21.5	21.5	8.0	8.0	30.7	30.7	88.8	88.8	6.6	6.6	4.2	<2	87	87	87	87			<0.2	1.2	1.2					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-		
					3.9	0.1	40	21.5	21.5	8.0	8.0	31.2	31.2	89.7	89.7	6.6	6.6	5.9	3	89	89	89	89	<0.2			1.2	1.2						
					3.9	0.1	42	21.5	21.5	8.0	8.0	31.2	31.2	89.7	89.7	6.6	6.6	5.9	3	89	89	89	89	<0.2			1.2	1.2						
SR3	Cloudy	Moderate	11:30	9.1	Surface	1.0	0.1	133	21.6	21.6	8.1	8.1	26.4	26.4	91.5	91.5	6.9	6.9	3.3	3	-	-	-	-	822152	807579	-	-	-	-				
						1.0	0.1	134	21.6	21.6	8.1	8.1	26.4	26.4	91.4	91.4	6.9	6.9	3.4	3	-	-	-	-			-	-	-					
						4.6	0.2	75	21.7	21.7	8.2	8.2	29.9	29.9	91.7	91.7	6.8	6.8	5.4	3	-	-	-	-			-	-	-					
					4.6	0.2	79	21.7	21.7	8.2	8.2	29.9	29.9	91.6	91.6	6.8	6.8	5.4	3	-	-	-	-	-			-	-						
					8.1	0.1	163	21.7	21.7	8.2	8.2	30.9	30.9	91.7	91.8	6.7	6.8	9.7	3	-	-	-	-	-			-	-						
					8.1	0.1	166	21.7	21.7	8.2	8.2	30.9	30.9	91.9	91.8	6.7	6.8	9.7	3	-	-	-	-	-			-	-						
SR4A	Cloudy	Calm	10:13	8.7	Surface	1.0	0.2	82	21.6	21.6	8.1	8.1	30.1	30.1	93.9	93.9	6.9	6.9	4.9	5	-	-	-	-	817181	807807	-	-	-	-				
						1.0	0.2	85	21.6	21.6	8.1	8.1	30.1	30.1	93.9	93.9	6.9	6.9	4.9	5	-	-	-	-			-	-						
						4.4	0.2	66	21.7	21.7	8.1	8.1	32.1	32.1	91.2	91.3	6.7	6.7	9.3	5	-	-	-	-			-	-						
					4.4	0.2	70	21.7	21.7	8.1	8.1	32.1	32.1	91.3	91.3	6.7	6.7	9.3	4	-	-	-	-	-			-							
					7.7	0.2	72	21.7	21.7	8.1	8.1	32.1	32.1	92.7	92.7	6.8	6.8	10.1	4	-	-	-	-	-			-							
					7.7	0.2	72	21.7	21.7	8.1	8.1	32.1	32.1	92.6	92.6	6.8	6.8	10.1	4	-	-	-	-	-			-							
SR5A	Cloudy	Calm	09:55	4.3	Surface	1.0	0.1	152	21.6	21.6	8.1	8.1	30.4	30.4	91.7	91.7	6.8	6.8	5.5	8	-	-	-	-	816593	810705	-	-	-	-				
						1.0	0.1	155	21.6	21.6	8.1	8.1	30.4	30.4	91.7	91.7	6.8	6.8	5.5	9	-	-	-	-			-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-						
					3.3	0.1	42	21.6	21.6	8.1	8.1	30.6	30.6	91.5	91.5	6.8	6.8	5.5	8	-	-	-	-	-			-							
					3.3	0.1	43	21.6	21.6	8.1	8.1	30.6	30.6	91.5	91.5	6.8	6.8	5.5	8	-	-	-	-	-			-							
SR6A	Cloudy	Calm	09:26	4.1	Surface	1.0	0.0	164	21.5	21.5	8.3	8.3	29.8	29.8	90.3	90.3</																		

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

Water Quality Monitoring Results on 04 April 20 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	15:18	8.9	Surface	1.0	0.2	49	21.7	21.7	8.0	8.0	30.9	30.9	96.7	96.7	7.1	2.8	3	86	91	815611	804258	<0.2	1.0	<0.2	1.0					
						1.0	0.2	52	21.7	21.7	8.0	8.0	30.9	30.9	96.7	96.7	7.1	2.8	3	87	91	815611	804258	<0.2	1.0	<0.2	1.0					
						4.5	0.4	46	21.7	21.7	8.0	8.0	33.2	33.2	94.2	94.2	6.8	5.0	3	91	815611	804258	<0.2	0.9	<0.2	0.9						
					4.5	0.4	47	21.7	21.7	8.0	8.0	33.2	33.2	94.2	94.2	6.8	5.0	3	92	815611	804258	<0.2	0.9	<0.2	0.9							
					7.9	0.3	44	21.7	21.7	8.1	8.1	33.3	33.3	93.8	93.8	6.8	9.8	2	94	815611	804258	<0.2	1.0	<0.2	1.0							
					7.9	0.3	46	21.7	21.7	8.1	8.1	33.3	33.3	93.7	93.7	6.8	9.8	2	95	815611	804258	<0.2	0.9	<0.2	0.9							
C2	Cloudy	Moderate	13:54	11.4	Surface	1.0	0.3	178	21.8	21.8	8.0	8.0	25.2	25.2	91.5	91.5	6.9	2.8	3	84	87	825671	806942	<0.2	1.5	<0.2	1.5					
						1.0	0.3	194	21.8	21.8	8.0	8.0	25.3	25.3	91.4	91.4	6.9	2.8	3	84	87	825671	806942	<0.2	1.5	<0.2	1.5					
						5.7	0.3	191	21.7	21.7	8.1	8.1	30.1	30.1	90.8	90.8	6.7	5.6	4	87	825671	806942	<0.2	1.6	<0.2	1.6						
					5.7	0.3	200	21.7	21.7	8.1	8.1	30.1	30.1	90.8	90.8	6.7	5.7	4	87	825671	806942	<0.2	1.5	<0.2	1.5							
					10.4	0.1	326	21.8	21.8	8.1	8.1	31.0	31.0	92.0	92.0	6.7	9.9	4	89	825671	806942	<0.2	1.6	<0.2	1.6							
					10.4	0.1	327	21.8	21.8	8.1	8.1	31.0	31.0	92.0	92.0	6.7	9.8	4	88	825671	806942	<0.2	1.6	<0.2	1.6							
C3	Cloudy	Moderate	15:56	11.2	Surface	1.0	0.1	246	21.7	21.7	8.2	8.2	30.3	30.3	92.2	92.2	6.8	1.7	4	86	89	822109	817819	<0.2	0.9	<0.2	0.9					
						1.0	0.1	248	21.7	21.7	8.2	8.2	30.3	30.3	92.2	92.2	6.8	1.7	4	87	89	822109	817819	<0.2	0.9	<0.2	0.9					
						5.6	0.2	257	21.5	21.5	8.2	8.2	32.1	32.1	88.2	88.2	6.5	5.5	3	89	822109	817819	<0.2	1.0	<0.2	1.0						
					5.6	0.3	282	21.5	21.5	8.2	8.2	32.1	32.1	88.1	88.1	6.5	5.7	3	89	822109	817819	<0.2	0.9	<0.2	0.9							
					10.2	0.3	270	21.4	21.4	8.2	8.2	32.9	32.9	87.6	87.6	6.4	8.8	3	91	822109	817819	<0.2	0.9	<0.2	0.9							
					10.2	0.4	284	21.4	21.4	8.2	8.2	32.9	32.9	87.7	87.7	6.4	9.1	3	91	822109	817819	<0.2	0.9	<0.2	0.9							
IM1	Cloudy	Moderate	14:58	5.3	Surface	1.0	0.1	16	21.9	21.9	8.0	8.0	30.1	30.1	96.5	96.5	7.1	3.2	5	88	89	817961	807135	<0.2	1.0	<0.2	1.0					
						1.0	0.1	17	21.9	21.9	8.0	8.0	30.1	30.1	96.5	96.5	7.1	3.2	5	88	89	817961	807135	<0.2	1.0	<0.2	1.0					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.3	0.1	34	21.7	21.7	8.0	8.0	32.3	32.3	93.6	93.6	6.8	8.5	4	90	817961	807135	<0.2	1.0	<0.2	1.0							
					4.3	0.1	35	21.7	21.7	8.0	8.0	32.3	32.3	93.5	93.5	6.8	8.5	4	90	817961	807135	<0.2	0.9	<0.2	0.9							
					4.3	0.1	35	21.7	21.7	8.0	8.0	32.3	32.3	93.5	93.5	6.8	8.5	4	90	817961	807135	<0.2	0.9	<0.2	0.9							
IM2	Cloudy	Moderate	14:50	6.2	Surface	1.0	0.2	329	21.8	21.8	8.0	8.0	29.9	29.9	96.6	96.6	7.1	2.3	3	87	91	818167	806167	<0.2	1.0	<0.2	1.0					
						1.0	0.2	303	21.8	21.8	8.0	8.0	29.9	29.9	96.6	96.6	7.1	2.3	3	88	91	818167	806167	<0.2	1.0	<0.2	1.0					
						3.1	0.2	338	21.7	21.7	8.0	8.0	31.2	31.2	94.4	94.4	6.9	3.1	3	91	818167	806167	<0.2	1.0	<0.2	1.0						
					3.1	0.2	354	21.7	21.7	8.0	8.0	31.3	31.3	94.4	94.4	6.9	3.2	3	92	818167	806167	<0.2	0.9	<0.2	0.9							
					5.2	0.2	18	21.7	21.7	8.0	8.0	32.6	32.6	93.8	93.8	6.8	10.9	4	95	818167	806167	<0.2	0.9	<0.2	0.9							
					5.2	0.2	18	21.7	21.7	8.0	8.0	32.6	32.6	93.8	93.8	6.8	10.9	4	95	818167	806167	<0.2	1.0	<0.2	1.0							
IM3	Cloudy	Moderate	14:29	7.0	Surface	1.0	0.1	300	21.9	21.9	8.0	8.0	30.3	30.3	96.4	96.4	7.1	2.6	3	87	91	818762	805613	<0.2	0.9	<0.2	0.9					
						1.0	0.1	308	21.9	21.9	8.0	8.0	30.3	30.3	96.3	96.3	7.1	2.6	3	87	91	818762	805613	<0.2	0.9	<0.2	0.9					
						3.5	0.1	339	21.8	21.8	8.0	8.0	31.7	31.7	94.5	94.5	6.9	4.4	4	90	818762	805613	<0.2	0.9	<0.2	0.9						
					3.5	0.1	347	21.8	21.8	8.0	8.0	31.7	31.7	94.5	94.5	6.9	4.4	4	91	818762	805613	<0.2	0.9	<0.2	0.9							
					6.0	0.2	1	21.7	21.7	8.0	8.0	32.6	32.6	93.7	93.7	6.8	13.0	4	95	818762	805613	<0.2	0.9	<0.2	0.9							
					6.0	0.2	1	21.7	21.7	8.0	8.0	32.6	32.6	93.6	93.6	6.8	13.0	4	95	818762	805613	<0.2	0.9	<0.2	0.9							
IM4	Cloudy	Moderate	14:19	7.8	Surface	1.0	0.1	334	21.9	21.9	8.0	8.0	31.5	31.5	95.0	95.0	6.9	4.9	5	86	90	819724	804601	<0.2	1.2	<0.2	1.2					
						1.0	0.2	307	21.9	21.9	8.0	8.0	31.5	31.5	95.0	95.0	6.9	4.9	5	86	90	819724	804601	<0.2	1.2	<0.2	1.2					
						3.9	0.1	338	21.8	21.8	8.0	8.0	31.7	31.7	93.9	93.9	6.9	7.1	5	90	819724	804601	<0.2	1.2	<0.2	1.2						
					3.9	0.1	340	21.8	21.8	8.0	8.0	31.7	31.7	93.9	93.9	6.9	7.1	5	90	819724	804601	<0.2	1.2	<0.2	1.2							
					6.8	0.2	18	21.8	21.8	8.1	8.1	32.6	32.6	93.0	93.0	6.8	6.7	5	95	819724	804601	<0.2	1.2	<0.2	1.2							
					6.8	0.2	19	21.8	21.8	8.1	8.1	32.6	32.6	93.0	93.0	6.8	6.7	5	95	819724	804601	<0.2	1.2	<0.2	1.2							
IM5	Sunny	Moderate	14:09	7.1	Surface	1.0	0.1	12	21.7	21.7	8.0	8.0	29.2	29.2	94.5	94.5	7.0	4.2	5	88	91	820711	804850	<0.2	1.3	<0.2	1.3					
						1.0	0.2	12	21.7	21.7	8.0	8.0	29.2	29.2	94.5	94.5	7.0	4.2	5	89	91	820711	804850	<0.2	1.3	<0.2	1.3					
						3.6	0.3	14	21.8	21.8	8.0	8.0	30.8	30.8	91.2	91.2	6.7	6.5	4	91	820711	804850	<0.2	1.3	<0.2	1.3						
					3.6	0.3	14	21.8	21.8	8.0	8.0	30.8	30.8	91.2	91.2	6.7	6.5	4	92	820711	804850	<0.2	1.3	<0.2	1.3							
					6.1	0.2	18	21.8	21.8	8.0	8.0	32.0	32.0	93.1	93.1	6.8	6.4	3	92	820711	804850	<0.2	1.3	<0.2	1.3							
					6.1	0.2	18	21.8	21.8	8.0	8.0	32.0	32.0	93.2	93.2	6.8	6.4	3	93	820711	804850	<0.2	1.3	<0.2	1.3							
IM6	Sunny	Moderate	14:01	6.7	Surface	1.0	0.1	248	21.8	21.8	8.0	8.0	26.7	26.7	95.4	95.4	7.2	2.1	2	85	91	821061	805820	<0.2	1.4	<0.2	1.4					
						1.0	0.1	258	21.8	21.8	8.0	8.0	26.7	26.7	95.5	95.5	7.2	2.1	2	87	91	821061	805820	<0.2	1.5	<0.2	1.5					
						3.4	0.1	7	21.7	21.7	8.0	8.0	30.6	30.6	91.3	91.3	6.7	5.1	4	91	821061	805820	<0.2	1.5	<0.2	1.5						
					3.4	0.1	7	21.7	21.7	8.0	8.0	30.6	30.6	91.3	91.3	6.7	5.0	4	93	821061	805820	<0.2	1.5	<0.2	1.5							
					5.7	0.2	42	21.7	21.7																							

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

Water Quality Monitoring Results on 04 April 20 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
IM9	Fine	Moderate	14:28	7.5	Surface	1.0	0.1	285	21.7	21.7	8.1	8.1	27.0	27.0	92.4	92.4	6.9	2.8	3	85	87	822070	808810	<0.2	1.4	<0.2	1.4					
						1.0	0.1	293	21.7	8.1	8.1	27.0	27.0	92.3	92.3	6.9	2.8	3	85	87												
						3.8	0.2	300	21.7	8.1	8.1	27.5	27.5	91.3	91.3	6.8	4.3	4	87	87												
					6.5	0.1	263	21.7	21.7	8.1	8.1	30.4	30.4	91.4	91.4	6.7	7.4	4	89	89												
					6.5	0.1	265	21.7	21.7	8.1	8.1	30.4	30.4	91.5	91.5	6.7	7.4	4	89	89												
					1.0	0.2	297	22.0	22.0	8.1	8.1	27.0	27.0	93.2	93.3	7.0	2.5	4	85	85												
IM10	Fine	Moderate	14:39	9.0	Surface	1.0	0.2	305	22.0	21.7	8.1	8.1	27.8	27.8	90.7	90.7	6.8	5.0	3	88	87	822387	809775	<0.2	1.3	<0.2	1.4					
						4.5	0.3	297	21.7	21.7	8.1	8.1	27.9	27.9	90.7	90.7	6.8	5.0	3	88	88											
						4.5	0.3	306	21.7	21.7	8.1	8.1	27.9	27.9	90.7	90.7	6.8	5.0	3	88	88											
					8.0	0.4	286	21.7	21.7	8.2	8.2	30.9	30.9	90.7	90.8	6.7	7.5	3	89	89												
					8.0	0.4	293	21.7	21.7	8.2	8.2	30.9	30.9	90.8	90.8	6.7	7.5	3	90	90												
					1.0	0.2	348	21.9	21.9	8.2	8.2	27.6	27.6	92.8	92.8	6.9	2.9	3	84	84												
IM11	Fine	Moderate	14:50	9.1	Surface	1.0	0.2	356	21.9	21.7	8.2	8.2	29.5	29.5	89.4	89.4	6.6	6.1	4	86	87	822052	811444	<0.2	1.4	<0.2	1.4					
						4.6	0.3	310	21.7	21.7	8.2	8.2	29.5	29.5	89.4	89.4	6.6	6.1	4	86	86											
						4.6	0.3	340	21.7	21.6	8.2	8.1	30.8	30.8	89.4	89.4	6.6	10.3	5	90	90											
					8.1	0.3	305	21.6	21.6	8.1	8.1	30.8	30.8	89.5	89.5	6.6	10.5	5	90	90												
					8.1	0.3	326	21.6	21.6	8.1	8.1	30.8	30.8	89.5	89.5	6.6	10.5	5	90	90												
					1.0	0.2	302	21.8	21.8	8.1	8.1	27.5	27.5	91.1	91.1	6.8	3.3	4	85	85												
IM12	Fine	Moderate	14:58	9.3	Surface	1.0	0.2	321	21.8	21.8	8.1	8.1	27.5	27.5	91.0	91.0	6.8	3.4	4	86	86	821435	812030	<0.2	1.5	<0.2	1.5					
						4.7	0.3	273	21.6	21.6	8.2	8.2	30.4	30.4	87.0	87.0	6.4	7.5	4	88	88											
						4.7	0.3	289	21.6	21.6	8.2	8.2	30.4	30.4	87.0	87.0	6.4	7.6	4	88	88											
					8.3	0.3	303	21.5	21.5	8.1	8.1	31.2	31.2	87.2	87.3	6.4	10.3	3	90	90												
					8.3	0.3	314	21.5	21.5	8.1	8.1	31.2	31.2	87.4	87.4	6.4	10.3	3	90	90												
					1.0	-	-	21.9	21.9	8.1	8.1	27.2	27.2	94.0	94.0	7.0	2.5	4	-	-												
SR1A	Cloudy	Moderate	15:18	5.3	Surface	1.0	-	-	21.9	21.9	8.1	8.1	27.2	27.2	94.0	94.0	7.0	2.5	4	-	-	819971	812654	-	-	-	-					
						1.0	-	-	21.9	21.9	8.1	8.1	27.2	27.2	94.0	94.0	7.0	2.5	4	-	-											
						2.7	-	-	-	-	-	-	-	-	-	-	7.0	2.5	4	-	-											
					4.3	-	-	21.6	21.6	8.1	8.1	28.3	28.3	93.3	93.3	7.0	2.9	5	-	-												
					4.3	-	-	21.6	21.6	8.1	8.1	28.3	28.3	93.3	93.3	7.0	2.9	4	-	-												
					1.0	0.3	340	21.8	21.8	8.2	8.2	28.8	28.8	91.8	91.8	6.8	4.1	4	87	87												
SR2	Cloudy	Moderate	15:31	4.7	Surface	1.0	0.3	358	21.8	21.8	8.2	8.2	28.9	28.8	91.8	91.8	6.8	4.1	5	88	88	821478	814162	<0.2	0.9	<0.2	0.9					
						-	-	-	-	-	-	-	-	-	-	-	6.8	4.1	5	-	-											
						-	-	-	-	-	-	-	-	-	-	-	6.8	4.1	5	-	-											
					3.7	0.3	339	21.6	21.6	8.2	8.2	30.6	30.6	93.3	93.3	6.9	5.4	4	89	89												
					3.7	0.3	353	21.6	21.6	8.2	8.2	30.6	30.6	93.3	93.3	6.9	5.4	4	90	90												
					1.0	0.2	208	21.9	21.9	8.1	8.1	27.2	27.2	92.8	92.8	6.9	2.4	4	-	-												
SR3	Fine	Moderate	14:13	8.9	Surface	1.0	0.2	223	21.9	21.9	8.1	8.1	27.2	27.2	92.7	92.7	6.9	2.4	4	-	-	822161	807557	-	-	-	-					
						4.5	0.1	274	21.6	21.6	8.1	8.1	27.8	27.8	92.1	92.1	6.9	3.6	4	-	-											
						4.5	0.1	288	21.6	21.6	8.1	8.1	27.8	27.8	92.0	92.1	6.9	3.5	4	-	-											
					7.9	0.1	40	21.7	21.7	8.1	8.1	30.9	30.9	91.7	91.6	6.7	6.6	3	-	-												
					7.9	0.1	41	21.7	21.7	8.1	8.1	30.9	30.9	91.5	91.6	6.7	6.7	3	-	-												
					1.0	0.1	74	21.9	21.9	7.9	7.9	30.1	30.1	94.9	95.0	7.0	3.6	5	-	-												
SR4A	Cloudy	Calm	15:38	8.3	Surface	1.0	0.1	79	21.9	21.9	7.9	7.9	30.1	30.1	95.0	95.0	7.0	3.6	5	-	-	817179	807816	-	-	-	-					
						4.2	0.1	65	21.7	21.7	7.9	7.9	31.3	31.3	92.5	92.5	6.8	6.0	5	-	-											
						4.2	0.1	67	21.7	21.7	7.9	7.9	31.3	31.3	92.5	92.5	6.8	6.1	5	-	-											
					7.3	0.2	77	21.7	21.7	7.9	7.9	32.1	32.1	91.5	91.5	6.7	8.5	5	-	-												
					7.3	0.2	79	21.7	21.7	7.9	7.9	32.1	32.1	91.5	91.5	6.7	8.5	6	-	-												
					1.0	0.1	211	21.9	21.9	7.9	7.9	30.3	30.3	94.5	94.5	6.9	3.6	6	-	-												
SR5A	Cloudy	Calm	15:56	3.8	Surface	1.0	0.1	228	21.9	21.9	7.9	7.9	30.3	30.3	94.4	94.4	6.9	3.6	6	-	-	816610	810709	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	6.9	3.6	6	-	-											
						-	-	-	-	-	-	-	-	-	-	-	6.9	3.6	6	-	-											
					2.8	0.1	241	21.7	21.7	7.9	7.9	30.5	30.5	93.3	93.3	6.9	4.3	4	-	-												
					2.8	0.1	258	21.7	21.7	7.9	7.9	30.5	30.5	93.3	93.3	6.9	4.3	4	-	-												
					1.0	0.0	162	21.9	21.9	7.9	7.9	29.0	29.0	94.4	94.4	7.0	2.3	4	-	-												
SR6A	Cloudy	Calm	16:24	3.5	Surface	1.0	0.0	169	21.9	21.9	7.9	7.9	29.0	29.0	94.4	94.4	7.0	2.3	4	-	-	817949	814722	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	7.0	2.3	4	-	-											
						-	-	-	-	-	-	-	-	-	-	-	7.0	2.3	4	-	-											
					2.5	0.0	90	21.8	21.8	7.9	7.9	29.3	29.3	93.6	93.6	6.9	2.6	4	-	-												
					2.5	0.0	94	21.8	21.8	7.9	7.9	29.3	29.3	93.6	93.6	6.9	2.6	4	-	-												
					1.0	0.0	228	21.5	21.5	8.2	8.2	32.9	32.9	88.0	88.1	6.4	1.4	4	-	-												
SR7	Cloudy	Moderate	16:31	15.4	Surface	1.0	0.0	237	21.5	21.5	8.2	8.2	32.9	32.9	88.1	88.1	6.4	1.4	4	-	-	823626	823760	-	-	-	-					
						7.7	0.0	263	21.5	21.5	8.2	8.2	33.0	33.0	87.9	87.8	6.4	1.6	4	-	-											
						7.7	0.0	277	21.5	21.5	8.2	8.2	33.0	33.0	87.7	87.8	6.4	1.6	4	-	-											
					14.4	0.1	179	21.5	21.5	8.2	8.2	33.0	33.0	86.9	87.0	6.3	1.7	5	-	-												
					14.4	0.1	183	21.5	21.5	8.2	8.2	33.0	33.0	87.0	87.0	6.3	1.8	5	-	-												
					1.0	-	-	21.9	21.9	8.1	8.1	26.9	26.9	92.0	92.0	6.9	3.2	5	-	-												
SR8	Cloudy	Moderate	15:09	5.1	Surface	1.0	-	-	21.9	21.9	8.1	8.1	26.9	26.9	91.9	92.0	6.9	3.2	5	-	-	820411	811626	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	6.9	3.2	5	-	-											
						-	-	-	-	-	-	-	-	-	-	-	6.9	3.2	5	-	-											
					4.1	-	-	21.5	21.5	8.2	8.2	29.4	29.4	90.3	90.4	6.7																

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

Water Quality Monitoring Results on 07 April 20 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	12:46	8.2	Surface	1.0	0.7	216	21.0	21.0	8.1	8.1	28.6	28.6	93.5	93.5	7.1	7.1	5.2	8	8	85	85	88	88	815627	804233	<0.2	1.0	0.9				
						1.0	0.7	229	21.0	21.0	8.1	8.1	28.6	28.6	93.4	93.4	7.1	7.0	5.2	9	9	85	85	88	88	815627	804233	<0.2	0.9	0.9				
						4.1	0.7	211	20.9	20.9	8.1	8.1	30.5	30.5	90.4	90.4	6.8	6.8	10.0	8	8	88	88	88	88	815627	804233	<0.2	1.0	0.9				
					Middle	4.1	0.7	222	20.9	20.9	8.1	8.1	30.5	30.5	90.4	90.4	6.8	6.8	10.2	8	8	88	88	88	88	815627	804233	<0.2	1.0	0.9				
						7.2	0.5	215	20.9	20.9	8.1	8.1	30.9	30.9	90.2	90.2	6.7	6.7	15.2	10	10	91	91	88	88	815627	804233	<0.2	0.9	0.9				
						7.2	0.6	233	20.9	20.9	8.1	8.1	30.9	30.9	90.2	90.2	6.7	6.7	15.2	8	8	90	90	88	88	815627	804233	<0.2	0.9	0.9				
C2	Fine	Moderate	13:41	11.2	Surface	1.0	1.1	173	21.2	21.2	8.0	8.0	24.1	24.0	87.7	87.7	6.8	6.8	12.8	7	7	85	85	88	88	825689	806924	<0.2	1.1	1.1				
						1.0	1.1	182	21.2	21.2	8.0	8.0	24.0	24.0	87.6	87.6	6.8	6.7	12.5	8	8	85	85	88	88	825689	806924	<0.2	1.1	1.1				
						5.6	1.0	174	21.1	21.1	8.0	8.0	29.7	29.7	88.0	88.1	6.6	6.6	15.1	7	7	88	88	88	88	825689	806924	<0.2	1.2	1.2				
					Middle	5.6	1.1	189	21.1	21.1	8.0	8.0	29.7	29.7	88.1	88.1	6.6	6.6	14.8	7	7	88	88	88	88	825689	806924	<0.2	1.2	1.2				
						10.2	0.5	177	21.1	21.1	8.0	8.0	30.3	30.3	89.1	89.1	6.7	6.7	15.4	6	6	91	91	88	88	825689	806924	<0.2	1.2	1.2				
						10.2	0.5	193	21.1	21.1	8.0	8.0	30.3	30.3	89.1	89.1	6.6	6.6	15.0	7	7	91	91	88	88	825689	806924	<0.2	1.2	1.2				
C3	Fine	Moderate	11:38	12.5	Surface	1.0	0.5	94	21.2	21.2	8.0	8.0	31.3	31.3	88.2	88.2	6.5	6.5	2.8	5	5	86	86	89	89	822114	817779	<0.2	0.6	0.6				
						1.0	0.5	98	21.2	21.2	8.0	8.0	31.3	31.3	88.1	88.1	6.5	6.5	2.8	5	5	86	86	89	89	822114	817779	<0.2	0.6	0.6				
						6.3	0.5	94	21.2	21.2	8.0	8.0	31.4	31.4	88.0	88.0	6.5	6.5	3.9	6	6	89	89	89	89	822114	817779	<0.2	0.6	0.6				
					Middle	6.3	0.5	102	21.2	21.2	8.0	8.0	31.4	31.4	87.9	87.9	6.5	6.5	3.9	5	5	89	89	89	89	822114	817779	<0.2	0.6	0.6				
						11.5	0.4	96	21.2	21.2	8.0	8.0	31.6	31.6	88.6	88.7	6.6	6.6	7.8	5	5	93	93	89	89	822114	817779	<0.2	0.6	0.6				
						11.5	0.5	104	21.2	21.2	8.0	8.0	31.6	31.6	88.7	88.7	6.6	6.6	7.7	5	5	92	92	89	89	822114	817779	<0.2	0.6	0.6				
IM1	Cloudy	Moderate	13:10	4.9	Surface	1.0	0.0	261	21.0	21.0	8.1	8.1	28.9	28.9	93.4	93.4	7.0	7.0	6.3	7	7	87	87	88	88	817972	807123	<0.2	0.9	0.8				
						1.0	0.0	282	21.0	21.0	8.1	8.1	28.9	28.9	93.4	93.4	7.0	7.0	6.4	8	8	87	87	88	88	817972	807123	<0.2	0.8	0.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	3.9	0.1	229	20.8	20.8	8.0	8.0	29.5	29.5	93.0	93.0	7.0	7.0	8.3	6	6	89	89	88	88	817972	807123	<0.2	0.8	0.8				
						3.9	0.1	234	20.8	20.8	8.0	8.0	29.5	29.5	93.0	93.0	7.0	7.0	8.3	6	6	88	88	88	88	817972	807123	<0.2	0.8	0.8				
						1.0	0.2	106	20.9	20.9	8.2	8.2	30.0	30.0	91.0	91.1	6.8	6.8	14.0	8	8	84	84	87	87	818169	806187	<0.2	1.0	1.0				
IM2	Cloudy	Moderate	13:18	6.6	Surface	1.0	0.2	107	20.9	20.9	8.2	8.2	30.0	30.0	91.1	91.1	6.8	6.8	13.9	9	9	84	84	87	87	818169	806187	<0.2	0.9	0.9				
						3.3	0.1	83	20.9	20.9	8.2	8.2	30.3	30.3	89.7	89.7	6.7	6.7	15.8	16	16	87	87	87	87	818169	806187	<0.2	1.0	1.0				
						3.3	0.1	89	20.9	20.9	8.2	8.2	30.3	30.3	89.7	89.7	6.7	6.7	15.8	17	17	87	87	87	87	818169	806187	<0.2	1.1	1.1				
					Middle	5.6	0.1	64	20.9	20.9	8.2	8.2	30.4	30.4	91.4	91.5	6.8	6.8	15.0	17	17	89	89	89	89	818169	806187	<0.2	0.9	0.9				
						5.6	0.1	67	20.9	20.9	8.2	8.2	30.4	30.4	91.5	91.5	6.8	6.8	15.1	16	16	89	89	89	89	818169	806187	<0.2	0.9	0.9				
						1.0	0.1	142	20.9	20.9	8.2	8.2	29.8	29.8	89.8	89.8	6.7	6.7	15.3	22	22	84	84	85	85	818786	805580	<0.2	0.9	0.9				
IM3	Cloudy	Moderate	13:26	6.5	Surface	1.0	0.1	152	20.9	20.9	8.2	8.2	29.8	29.8	89.8	89.8	6.7	6.7	15.5	22	22	85	85	87	87	818786	805580	<0.2	0.9	0.9				
						3.3	0.1	110	20.9	20.9	8.2	8.2	29.9	29.9	89.0	89.0	6.7	6.7	18.9	18	18	87	87	87	87	818786	805580	<0.2	0.9	0.9				
						3.3	0.1	112	20.9	20.9	8.2	8.2	29.9	29.9	89.0	89.0	6.7	6.7	18.8	19	19	87	87	87	87	818786	805580	<0.2	0.9	0.9				
					Middle	5.5	0.1	108	20.9	20.9	8.2	8.2	30.0	30.0	88.8	88.8	6.7	6.7	21.8	18	18	88	88	88	88	818786	805580	<0.2	0.8	0.8				
						5.5	0.1	118	20.9	20.9	8.2	8.2	30.0	30.0	88.8	88.8	6.7	6.7	21.7	16	16	89	89	88	88	818786	805580	<0.2	0.9	0.9				
						1.0	1.0	198	21.1	21.1	8.2	8.2	29.4	29.4	91.9	91.9	6.9	6.9	14.7	20	20	84	84	85	85	819736	804630	<0.2	0.9	0.9				
IM4	Cloudy	Moderate	13:39	7.4	Surface	1.0	1.1	211	21.1	21.1	8.2	8.2	29.4	29.4	91.8	91.8	6.9	6.9	14.8	19	19	85	85	87	87	819736	804630	<0.2	0.9	0.9				
						3.7	0.9	196	21.0	21.0	8.2	8.2	29.7	29.7	91.2	91.2	6.8	6.8	19.3	20	20	87	87	87	87	819736	804630	<0.2	1.0	1.0				
						3.7	1.0	210	21.0	21.0	8.2	8.2	29.7	29.7	91.1	91.1	6.8	6.8	19.3	18	18	88	88	87	87	819736	804630	<0.2	0.9	0.9				
					Middle	6.4	0.9	196	21.0	21.0	8.2	8.2	29.7	29.7	90.6	90.6	6.8	6.8	20.7	18	18	89	89	87	87	819736	804630	<0.2	1.0	1.0				
						6.4	0.9	205	21.0	21.0	8.2	8.2	29.7	29.7	90.6	90.6	6.8	6.8	20.6	18	18	89	89	87	87	819736	804630	<0.2	0.9	0.9				
						1.0	1.3	209	21.0	21.0	8.1	8.1	24.7	24.7	90.5	90.5	7.0	6.9	10.6	9	9	84	84	85	85	820719	804861	<0.2	1.3	1.3				
IM5	Cloudy	Moderate	13:54	6.8	Surface	1.0	1.4	220	21.0	21.0	8.1	8.1	24.7	24.7	90.5	90.5	7.0	7.0	10.6	10	10	85	85	88	88	820719	804861	<0.2	1.4	1.4				
						3.4	1.0	216	21.0	21.0	8.1	8.1	26.3	26.3	89.1	89.1	6.8	6.8	16.4	10	10	88	88	88	88	820719	804861	<0.2	1.3	1.3				
						3.4	1.1	228	21.0	21.0	8.1	8.1	26.3	26.3	89.2	89.2	6.8	6.8	16.5	11	11	88	88	88	88	820719	804861	<0.2	1.4	1.4				
					Middle	5.8	0.9	220	21.0	21.0	8.1	8.1	27.4	27.4	89.3	89.3	6.8	6.8	18.1	12	12	89	89	88	88	820719	804861	<0.2	1.4	1.4				
						5.8	0.9	229</																										

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

Water Quality Monitoring Results on 07 April 20 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	13:07	7.3	Surface	1.0	0.3	149	21.2	21.1	8.0	8.0	27.5	27.5	90.0	90.1	6.8	6.8	6.8	7	85	88	822101	808792	<0.2	1.0	1.0	1.0						
						1.0	0.3	160	21.1	8.0	8.0	27.6	27.5	90.2	90.2	6.8	6.8	7.5	7	85	88	<0.2	1.0	1.0										
					Middle	3.7	0.3	145	20.9	20.9	8.0	8.0	28.5	28.5	90.4	90.4	6.8	6.8	8.4	7	88	88	<0.2	1.0	1.0	1.0								
						3.7	0.3	148	20.9	20.9	8.0	8.0	28.5	28.5	90.4	90.4	6.8	6.8	8.6	6	88	88	<0.2	1.0	1.0	1.0								
					Bottom	6.3	0.3	139	21.0	21.0	8.0	8.0	29.7	29.7	92.1	92.6	6.9	7.0	10.8	6	91	91	<0.2	1.0	1.0	1.0								
						6.3	0.3	149	21.0	21.0	8.0	8.0	29.7	29.7	93.1	93.6	7.0	7.0	10.3	7	91	91	<0.2	1.0	1.0	1.0								
IM10	Fine	Moderate	12:59	7.7	Surface	1.0	0.8	107	21.2	21.2	8.0	8.0	27.5	27.5	91.3	91.3	6.9	6.9	8.8	5	83	83	822368	809800	<0.2	1.0	1.0	1.0						
						1.0	0.8	114	21.2	8.0	8.0	27.5	27.5	91.3	91.3	6.9	6.9	8.9	4	82	86	<0.2	1.0	1.0										
					Middle	3.9	0.8	93	21.0	21.0	8.0	8.0	28.3	28.3	92.8	92.9	7.0	7.0	10.2	4	86	87	<0.2	1.0	1.0	1.0								
						3.9	0.8	96	21.0	21.0	8.0	8.0	28.3	28.3	92.9	93.0	7.0	7.0	10.3	6	87	87	<0.2	0.9	0.9									
					Bottom	6.7	0.5	85	20.9	20.9	8.0	8.0	28.6	28.5	96.1	96.6	7.3	7.3	11.4	7	90	90	<0.2	0.9	0.9	0.9								
						6.7	0.6	92	20.9	20.9	8.0	8.0	28.5	28.5	97.1	97.1	7.3	7.3	11.0	8	90	90	<0.2	1.0	1.0	1.0								
IM11	Fine	Moderate	12:46	7.8	Surface	1.0	0.9	107	21.1	21.1	8.0	8.0	27.7	27.7	90.4	90.6	6.8	6.8	11.7	8	83	83	822066	811479	<0.2	0.6	0.6	0.6						
						1.0	1.0	117	21.1	8.0	8.0	27.7	27.7	90.7	90.7	6.9	6.9	11.8	8	83	86	<0.2	0.6	0.6										
					Middle	3.9	0.9	99	21.0	21.0	8.0	8.0	28.4	28.4	91.1	91.2	6.9	6.9	12.0	8	86	87	<0.2	0.6	0.6	0.6								
						3.9	0.9	102	21.0	21.0	8.0	8.0	28.4	28.4	91.2	91.2	6.9	6.9	12.0	9	87	87	<0.2	0.6	0.6									
					Bottom	6.8	0.8	92	21.0	21.0	8.0	8.0	28.9	28.8	91.8	92.1	7.0	7.0	13.3	9	90	90	<0.2	0.6	0.6	0.6								
						6.8	0.8	99	21.0	21.0	8.0	8.0	28.8	28.8	92.4	92.1	7.0	7.0	13.6	10	90	90	<0.2	0.6	0.6	0.6								
IM12	Fine	Moderate	12:38	9.7	Surface	1.0	0.8	99	21.2	21.2	8.0	8.0	27.6	27.5	89.6	89.6	6.8	6.8	7.0	5	85	85	821444	812067	<0.2	0.6	0.6	0.6						
						1.0	0.9	107	21.2	8.0	8.0	27.5	27.5	89.5	89.5	6.8	6.8	7.1	6	85	88	<0.2	0.6	0.6										
					Middle	4.9	0.6	95	20.9	20.9	8.0	8.0	28.8	28.8	90.6	90.8	6.8	6.8	8.5	6	88	88	<0.2	0.6	0.6	0.6								
						4.9	0.6	102	20.9	20.9	8.0	8.0	28.8	28.8	91.0	90.8	6.9	6.9	8.3	5	88	88	<0.2	0.6	0.6									
					Bottom	8.7	0.5	88	20.9	20.9	8.0	8.0	29.1	29.1	92.3	92.7	7.0	7.0	10.3	6	91	91	<0.2	0.6	0.6	0.6								
						8.7	0.5	96	20.9	20.9	8.0	8.0	29.1	29.1	93.0	92.7	7.0	7.0	10.9	5	92	92	<0.2	0.6	0.6	0.6								
SR1A	Fine	Calm	12:18	5.6	Surface	1.0	-	-	20.9	20.9	8.0	8.0	29.6	29.6	88.7	88.8	6.7	6.7	5.9	3	-	-	819974	812656	-	-	-	-						
						1.0	-	-	20.9	20.9	8.0	8.0	29.6	29.6	88.8	88.8	6.7	6.7	6.4	4	-	-	-	-										
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.6	-	-	21.0	21.0	8.0	8.0	30.0	30.0	90.2	90.5	6.8	6.8	10.5	4	-	-	-	-	-	-	-	-	-	-	-			
						4.6	-	-	21.0	21.0	8.0	8.0	30.0	30.0	90.7	90.5	6.8	6.8	10.5	4	-	-	-	-	-	-	-	-	-	-	-			
SR2	Fine	Moderate	12:04	4.7	Surface	1.0	0.6	70	21.1	21.1	8.0	8.0	25.7	25.7	90.1	90.4	6.9	6.9	3.7	5	84	84	821460	814152	<0.2	0.6	0.6	0.6						
						1.0	0.6	71	21.2	21.1	8.0	8.0	25.7	25.7	90.6	90.6	6.9	6.9	3.9	6	85	85	<0.2	0.6	0.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.7	0.3	58	21.0	21.0	8.0	8.0	29.6	29.7	92.2	92.4	6.9	6.9	6.6	5	89	89	<0.2	0.6	0.6									
						3.7	0.3	63	21.0	21.0	8.0	8.0	29.7	29.7	92.5	92.4	6.9	6.9	6.9	6	89	89	<0.2	0.5	0.5									
SR3	Fine	Moderate	13:18	8.8	Surface	1.0	0.2	216	21.1	21.1	8.0	8.0	28.0	28.0	89.4	89.5	6.8	6.8	7.2	8	-	-	822158	807564	-	-	-	-						
						1.0	0.2	227	21.0	21.0	8.0	8.0	28.0	28.0	89.6	89.6	6.8	6.8	7.6	7	-	-	-	-										
					Middle	4.4	0.2	209	20.9	20.9	8.0	8.0	28.9	28.9	89.7	89.6	6.8	6.8	10.0	7	-	-	-	-	-	-	-	-	-	-				
						4.4	0.2	214	20.9	20.9	8.0	8.0	28.9	28.9	89.5	89.6	6.8	6.8	10.3	6	-	-	-	-	-	-	-	-	-					
					Bottom	7.8	0.2	225	20.9	20.9	8.0	8.0	29.6	29.6	89.8	89.8	6.7	6.7	11.2	6	-	-	-	-	-	-	-	-	-					
						7.8	0.2	242	20.9	20.9	8.0	8.0	29.7	29.6	89.8	89.8	6.7	6.7	11.2	6	-	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Calm	12:26	8.0	Surface	1.0	0.1	44	20.9	20.9	8.1	8.1	28.6	28.6	91.6	91.6	6.9	6.9	8.2	10	-	-	817178	807805	-	-	-	-						
						1.0	0.1	46	20.9	20.9	8.1	8.1	28.6	28.6	91.6	91.6	6.9	6.9	8.2	10	-	-	-	-										
					Middle	4.0	0.2	54	20.8	20.8	8.1	8.1	29.0	29.0	89.3	89.4	6.8	6.8	9.7	8	-	-	-	-	-	-	-	-						
						4.0	0.2	55	20.8	20.8	8.1	8.1	29.0	29.0	89.4	89.4	6.8	6.8	9.8	8	-	-	-	-	-	-	-							
					Bottom	7.0	0.1	45	20.8	20.8	8.1	8.1	29.4	29.4	91.4	91.4	6.9	6.9	12.2	9	-	-	-	-	-	-	-	-						
						7.0	0.1	48	20.8	20.8	8.1	8.1	29.4	29.4	91.4	91.4	6.9	6.9	12.2	9	-	-	-	-	-	-	-	-						
SR5A	Fine	Calm	12:06	3.7	Surface	1.0	0.2	96	20.9	20.9	8.1	8.1	29.7	29.7	91.2	91.2	6.9	6.9	11.5	12	-	-	816614	810677	-	-	-	-						
						1.0	0.2	101	20.9	20.9	8.1	8.1	29.7	29.7	91.2	91.2	6.9	6.9	11.5	11	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	2.7	0.1	53	20.9	20.9	8.0	8.0	30.1	30.1	91.7	91.8	6.9	6.9	8.8	11	-	-	-	-	-	-	-	-						
						2.7	0.1	53	20.9	20.9	8.0	8.0	30.1	30.1	91.8	91.8	6.9	6.9	8.8	12	-	-	-	-	-	-	-	-						
SR6A	Fine	Calm	11:28	4.1	Surface	1.0	0.1	279	20.9	20.9	8.0	8.0	30.2	30.2	90.2	90.2	6.8	6.8	13.4	16	-	-	817950	814721	-	-	-	-						
						1.0	0.1	293	20.9	20.9	8.0	8.0	30.2	30.2	90.2	90.2	6.8	6.8	13.5															

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

Water Quality Monitoring Results on **07 April 20** 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	DA
C1	Cloudy	Moderate	18:08	8.3	Surface	1.0	0.5	33	21.0	21.0	8.1	8.1	28.1	28.1	91.4	91.4	6.9	6.9	15.2	15.3	9	10	86	87	89	815616	804236	<0.2	1.0	<0.2	1.0			
						1.0	0.5	34	21.0	8.1	8.1	28.1	28.1	6.9	6.9	15.3	15.3	10	10	87	87	<0.2	1.0											
						4.2	0.5	32	21.0	21.0	8.1	8.1	29.4	29.4	91.3	91.3	6.9	6.9	17.2	17.2	10	10	89	89				<0.2	1.0					
					4.2	0.6	34	21.0	21.0	8.1	8.1	29.4	29.4	91.3	91.3	6.9	6.9	17.5	17.5	10	10	88	88	<0.2				1.0						
					7.3	0.6	36	20.9	20.9	8.0	8.0	30.3	30.3	91.2	91.2	6.8	6.8	19.9	19.9	12	12	91	91	<0.2				1.0						
					7.3	0.7	36	20.9	20.9	8.0	8.0	30.3	30.3	91.3	91.3	6.8	6.8	20.3	20.3	11	11	91	91	<0.2				1.0						
C2	Fine	Moderate	16:48	11.2	Surface	1.0	0.5	186	21.1	21.1	8.0	8.0	23.7	23.7	86.0	86.0	6.7	6.7	9.4	9.4	12	12	84	84	88	825697	806952	<0.2	1.6	<0.2	1.5			
						1.0	0.5	186	21.1	8.0	8.0	23.7	23.7	6.7	6.7	9.4	9.4	11	11	84	84	<0.2	1.6											
						5.6	0.3	167	21.2	21.2	8.0	8.0	27.4	27.4	86.4	86.4	6.5	6.5	11.0	11.0	12	12	87	87				<0.2	1.6					
					5.6	0.3	171	21.2	21.2	8.0	8.0	27.4	27.4	86.4	86.4	6.5	6.5	11.0	11.0	11	11	88	88	<0.2				1.6						
					10.2	0.2	267	21.2	21.2	8.0	8.0	28.9	28.9	89.9	89.9	6.7	6.7	11.1	11.1	12	12	92	92	<0.2				1.6						
					10.2	0.2	268	21.2	21.2	8.0	8.0	28.9	28.9	89.5	89.5	6.7	6.7	11.7	11.7	12	12	91	91	<0.2				1.7						
C3	Fine	Moderate	18:34	12.2	Surface	1.0	0.7	253	21.1	21.1	7.9	7.9	29.9	29.9	88.3	88.3	6.6	6.6	4.5	4.5	7	7	83	83	88	822088	817805	<0.2	1.6	<0.2	1.6			
						1.0	0.7	276	21.1	21.1	7.9	7.9	30.0	30.0	6.6	6.6	4.9	4.9	7	7	84	84	<0.2	1.6										
						6.1	0.7	250	21.2	21.2	7.9	7.9	31.2	31.2	87.7	87.7	6.5	6.5	4.9	4.9	6	6	88	88				<0.2	1.7					
					6.1	0.8	265	21.2	21.2	7.9	7.9	31.2	31.2	87.7	87.7	6.5	6.5	5.3	5.3	7	7	88	88	<0.2				1.7						
					11.2	0.6	256	21.1	21.1	8.0	8.0	31.2	31.2	88.7	88.7	6.6	6.6	8.7	8.7	7	7	91	91	<0.2				1.6						
					11.2	0.6	279	21.1	21.1	8.0	8.0	31.2	31.2	89.2	89.2	6.6	6.6	8.8	8.8	6	6	92	92	<0.2				1.7						
IM1	Cloudy	Moderate	17:45	5.0	Surface	1.0	0.2	4	21.1	21.1	8.1	8.1	29.1	29.1	92.3	92.3	6.9	6.9	7.9	7.9	9	9	87	87	88	817963	807133	<0.2	1.0	<0.2	1.1			
						1.0	0.2	4	21.1	21.1	8.1	8.1	29.1	29.1	6.9	6.9	7.9	7.9	8	8	87	87	<0.2	1.1										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
					4.0	0.1	340	20.9	20.9	8.1	8.1	30.0	30.0	92.2	92.2	6.9	6.9	12.8	12.8	8	8	89	89	<0.2				1.0						
					4.0	0.1	313	20.9	20.9	8.1	8.1	30.0	30.0	92.3	92.3	6.9	6.9	12.8	12.8	7	7	88	88	<0.2				1.0						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
IM2	Cloudy	Moderate	17:36	6.6	Surface	1.0	0.4	5	21.0	21.0	8.1	8.1	29.0	29.0	91.2	91.3	6.9	6.9	13.8	13.7	15	13	85	86	87	818179	806189	<0.2	1.1	<0.2	1.0			
						1.0	0.4	5	21.0	21.0	8.1	8.1	29.0	29.0	91.3	91.3	6.9	6.9	13.7	13.7	14	14	86	86				<0.2	1.1					
						3.3	0.4	2	21.1	21.1	8.1	8.1	29.4	29.4	91.5	91.5	6.9	6.9	16.5	16.5	15	15	87	87				<0.2	1.1					
					3.3	0.4	2	21.1	21.1	8.1	8.1	29.4	29.4	91.5	91.5	6.9	6.9	16.4	16.4	15	15	88	88	<0.2				1.1						
					5.6	0.3	354	21.1	21.1	8.1	8.1	29.4	29.4	91.7	91.7	6.9	6.9	20.5	20.5	16	16	89	89	<0.2				1.1						
					5.6	0.3	326	21.1	21.1	8.1	8.1	29.4	29.4	91.7	91.7	6.9	6.9	20.5	20.5	14	14	89	89	<0.2				1.1						
IM3	Cloudy	Moderate	17:28	6.7	Surface	1.0	0.5	1	21.0	21.0	8.1	8.1	29.1	29.1	91.0	91.0	6.8	6.8	15.5	15.6	16	16	85	85	87	818795	805615	<0.2	1.2	<0.2	1.2			
						1.0	0.5	1	21.0	21.0	8.1	8.1	29.1	29.1	6.8	6.8	15.6	15.6	17	17	85	85	<0.2	1.2										
						3.4	0.4	351	21.0	21.0	8.1	8.1	29.6	29.6	90.7	90.7	6.8	6.8	19.5	19.5	16	16	88	88				<0.2	1.2					
					3.4	0.4	323	21.0	21.0	8.1	8.1	29.6	29.6	90.7	90.7	6.8	6.8	19.6	19.6	16	16	87	87	<0.2				1.2						
					5.7	0.4	344	21.0	21.0	8.1	8.1	29.9	29.9	90.5	90.5	6.8	6.8	21.8	21.8	16	16	89	89	<0.2				1.2						
					5.7	0.4	316	21.0	21.0	8.1	8.1	29.9	29.9	90.7	90.7	6.8	6.8	21.5	21.5	14	14	89	89	<0.2				1.2						
IM4	Cloudy	Moderate	17:15	7.6	Surface	1.0	0.7	326	21.0	21.0	8.1	8.1	29.7	29.7	91.3	91.3	6.9	6.9	18.5	18.7	18	18	85	85	87	819739	804588	<0.2	1.0	<0.2	1.1			
						1.0	0.7	344	21.0	21.0	8.1	8.1	29.7	29.7	91.3	91.3	6.9	6.9	18.7	18.7	19	19	85	85				<0.2	1.1					
						3.8	0.6	330	21.0	21.0	8.1	8.1	30.0	30.0	90.7	90.7	6.8	6.8	20.7	20.8	22	22	88	88				<0.2	1.0					
					3.8	0.6	330	21.0	21.0	8.1	8.1	30.0	30.0	90.7	90.7	6.8	6.8	20.8	20.8	22	22	88	88	<0.2				1.0						
					6.6	0.5	331	20.9	20.9	8.1	8.1	30.3	30.3	91.0	91.1	6.8	6.8	22.0	22.0	27	27	89	89	<0.2				1.0						
					6.6	0.5	337	20.9	20.9	8.1	8.1	30.3	30.3	91.1	91.1	6.8	6.8	21.8	21.8	29	29	89	89	<0.2				1.0						
IM5	Cloudy	Moderate	17:06	6.8	Surface	1.0	0.4	324	21.2	21.2	8.1	8.1	26.6	26.6	90.4	90.4	6.9	6.9	7.7	7.7	10	10	84	85	87	820758	804867	<0.2	1.6	<0.2	1.5			
						1.0	0.4	338	21.2	21.2	8.1	8.1	26.6	26.6	90.4	90.4	6.9	6.9	7.7	7.7	10	10	85	85				<0.2	1.5					
						3.4	0.4	330	21.1	21.1	8.1	8.1	28.1	28.1	89.9	89.9	6.8	6.8	8.3	8.3	10	10	87	87				<0.2	1.5					
					3.4	0.4	343	21.1	21.1	8.1	8.1	28.1	28.1	89.9	89.9	6.8	6.8	8.3	8.3	11	11	87	87	<0.2				1.5						
					5.8	0.5	340	21.1	21.1	8.1	8.1	29.8	29.8	91.3	91.3	6.8	6.8	9.8	9.8	10	10	88	88	<0.2				1.5						
					5.8	0.5	344	21.1	21.1	8.1	8.1	29.8	29.8	91.2	91.2	6.8	6.8	9.8	9.8	10	10	88	88	<0.2				1.5						
IM6	Cloudy	Moderate	16:58	6.5	Surface	1.0	0.4	273	21.2	21.2	8.1	8.1	26.1	26.1	88.8	88.8	6.8	6.8	7.0	7.0	10	10	85	84	87	821051	805811	<0.2	1.6	<0.2	1.5			
						1.0	0.5	277	21.2	21.2	8.1	8.1	26.1	26.1	88.7	88.7	6.8	6.8	7.0	7.0	10	10	84	84				<0.2	1.5					
						3.3	0.4	275	21.2	21.2	8.0	8.0	26.2	26.2	88.7	88.7	6.8	6.8	7.2	7.2	11	11	88	88				<0.2	1.4					
					3.3	0.5	299	21.2	21.2	8.0	8.0	26.2	26.2	88.7	88.7	6.8	6.8	7.2	7.2	10	10	87	87	<0.2				1.4						
					5.5	0.4	276	21.2	21.2	8.0	8.0	26.2	26.2	89.4	89.4	6.8	6.8	7.8	7.8	11	11	89	89	<0.2										



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

**Water Quality Monitoring Results on 09 April 20 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	Sunny	Moderate	13:57	8.1	Surface	1.0	0.7	222	21.6	21.6	7.9	7.9	24.8	24.9	91.8	91.9	7.0	5.1	6	85	88	815638	804227	<0.2	1.8	1.8	1.5						
						1.0	0.8	223	21.6	7.9	7.9	24.9	24.9	91.9	91.9	6.9	5.2	6	85	88	<0.2	1.8	1.8										
						4.1	0.8	211	21.0	21.0	8.0	8.0	27.1	27.1	89.5	89.5	6.8	8.9	5	88	88	<0.2	1.6	1.6									
					Middle	4.1	0.8	222	21.0	21.0	8.0	8.0	27.1	27.1	89.4	89.4	6.8	9.2	5	88	88	<0.2	1.4	1.4									
						7.1	0.6	211	20.9	20.9	7.9	7.9	27.9	27.9	88.7	88.7	6.7	11.8	5	90	90	<0.2	1.3	1.3									
						7.1	0.6	219	20.9	20.9	7.9	7.9	27.9	27.9	88.7	88.7	6.7	11.8	5	90	90	<0.2	1.2	1.2									
C2	Fine	Moderate	15:19	11.0	Surface	1.0	1.3	175	21.6	21.6	7.7	7.7	18.9	18.9	84.8	84.8	6.7	7.1	6	87	90	825701	806935	<0.2	1.1	1.1	1.1						
						1.0	1.3	179	21.6	21.6	7.7	7.7	18.9	18.9	84.7	84.7	6.7	7.2	6	86	86	<0.2	1.1	1.1									
						5.5	1.2	177	21.4	21.4	7.7	7.7	21.9	22.0	84.6	84.7	6.6	9.3	7	90	90	<0.2	1.1	1.1									
					Middle	5.5	1.2	179	21.4	21.4	7.7	7.7	22.0	22.0	84.8	84.8	6.6	9.6	7	90	90	<0.2	1.1	1.1									
						10.0	1.0	168	21.0	21.0	7.7	7.7	25.4	25.4	84.2	84.4	6.5	11.5	7	92	92	<0.2	1.1	1.1									
						10.0	1.0	168	21.0	21.0	7.7	7.7	25.4	25.4	84.6	84.6	6.5	11.6	8	93	93	<0.2	1.1	1.1									
C3	Fine	Moderate	12:52	13.4	Surface	1.0	0.6	86	21.3	21.3	7.7	7.7	28.2	28.2	86.3	86.4	6.5	5.3	6	84	88	822093	817788	<0.2	1.9	1.9	1.8						
						1.0	0.6	92	21.3	21.3	7.7	7.7	28.2	28.2	86.4	86.5	6.5	5.3	6	85	85	<0.2	1.9	1.9									
						6.7	0.4	102	21.1	21.1	7.8	7.8	29.4	29.4	86.5	86.4	6.5	5.9	7	88	88	<0.2	1.8	1.8									
					Middle	6.7	0.4	102	21.1	21.1	7.8	7.8	29.4	29.4	86.3	86.3	6.5	5.8	7	89	89	<0.2	1.8	1.8									
						12.4	0.4	123	21.1	21.1	7.8	7.8	30.3	30.3	87.0	87.1	6.5	6.2	8	92	92	<0.2	1.6	1.6									
						12.4	0.4	126	21.1	21.1	7.8	7.8	30.3	30.3	87.1	87.1	6.5	6.3	8	92	92	<0.2	1.8	1.8									
IM1	Sunny	Moderate	14:19	4.6	Surface	1.0	0.0	120	22.3	22.3	7.8	7.8	24.6	24.6	93.5	93.5	7.1	4.8	5	86	87	817926	807117	<0.2	1.3	1.3	1.3						
						1.0	0.0	122	22.3	22.3	7.8	7.8	24.6	24.6	93.5	93.5	7.1	4.8	5	86	86	<0.2	1.2	1.2									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.6	0.0	229	22.0	22.0	7.8	7.8	25.1	25.1	91.4	91.4	6.9	5.9	7	88	88	<0.2	1.2	1.2									
						3.6	0.0	232	22.0	22.0	7.8	7.8	25.1	25.1	91.4	91.4	6.9	5.9	7	88	88	<0.2	1.2	1.2									
IM2	Sunny	Moderate	14:26	6.4	Surface	1.0	0.2	103	21.2	21.2	7.9	7.9	26.9	26.9	88.8	88.8	6.7	16.3	11	84	87	818146	806181	<0.2	1.3	1.3	1.2						
						1.0	0.2	108	21.2	21.2	7.9	7.9	26.9	26.9	88.8	88.8	6.7	16.4	11	85	85	<0.2	1.2	1.2									
						3.2	0.1	96	21.0	21.0	8.0	8.0	27.2	27.2	88.2	88.2	6.7	18.2	10	88	88	<0.2	1.2	1.2									
					Middle	3.2	0.1	98	21.0	21.0	8.0	8.0	27.2	27.2	88.2	88.2	6.7	18.4	10	88	88	<0.2	1.2	1.2									
						5.4	0.2	106	21.0	21.0	7.9	7.9	27.2	27.2	87.2	87.2	6.6	20.2	9	89	89	<0.2	1.2	1.2									
						5.4	0.2	106	21.0	21.0	7.9	7.9	27.2	27.2	87.2	87.2	6.6	20.2	9	89	89	<0.2	1.2	1.2									
IM3	Sunny	Moderate	14:34	6.5	Surface	1.0	0.1	233	21.2	21.1	7.9	7.9	27.0	27.0	88.5	88.7	6.7	14.1	13	85	87	818768	805608	<0.2	1.0	1.0	1.1						
						1.0	0.1	238	21.1	21.1	7.9	7.9	27.0	27.0	88.8	88.7	6.7	14.4	13	85	85	<0.2	1.1	1.1									
						3.3	0.0	283	21.0	21.0	7.9	7.9	27.2	27.2	88.7	88.7	6.7	17.2	12	87	87	<0.2	1.2	1.2									
					Middle	3.3	0.0	311	21.0	21.0	7.9	7.9	27.2	27.2	88.6	88.7	6.7	17.4	12	88	88	<0.2	1.1	1.1									
						5.5	0.1	257	21.0	21.0	7.9	7.9	27.2	27.2	88.3	88.3	6.7	20.8	11	89	89	<0.2	1.1	1.1									
						5.5	0.1	271	21.0	21.0	7.9	7.9	27.2	27.2	88.2	88.3	6.7	20.5	11	89	89	<0.2	1.0	1.0									
IM4	Sunny	Moderate	14:44	7.2	Surface	1.0	1.3	197	21.8	21.8	7.8	7.8	25.4	25.5	90.9	90.9	6.9	14.2	11	84	87	819727	804599	<0.2	1.5	1.5	1.5						
						1.0	1.4	203	21.8	21.8	7.8	7.8	25.5	25.5	90.9	90.9	6.9	14.2	11	85	85	<0.2	1.6	1.6									
						3.6	1.2	196	21.5	21.5	7.9	7.9	26.1	26.1	88.9	88.9	6.7	16.0	11	87	87	<0.2	1.5	1.5									
					Middle	3.6	1.3	208	21.5	21.5	7.9	7.9	26.1	26.1	88.9	88.9	6.7	16.0	11	87	87	<0.2	1.5	1.5									
						6.2	0.9	197	21.4	21.4	7.9	7.9	26.6	26.6	88.5	88.5	6.7	18.4	10	89	89	<0.2	1.6	1.6									
						6.2	1.0	197	21.4	21.4	7.9	7.9	26.6	26.6	88.5	88.5	6.7	18.4	11	89	89	<0.2	1.5	1.5									
IM5	Sunny	Moderate	14:58	6.5	Surface	1.0	1.3	217	21.8	21.8	7.8	7.8	23.4	23.4	89.8	89.8	6.9	13.0	15	84	87	820757	804880	<0.2	1.7	1.7	1.7						
						1.0	1.4	221	21.8	21.8	7.8	7.8	23.4	23.4	89.7	89.8	6.9	13.0	14	85	85	<0.2	1.6	1.6									
						3.3	1.1	218	21.7	21.7	7.9	7.9	25.4	25.4	88.9	89.0	6.7	16.6	12	87	87	<0.2	1.7	1.7									
					Middle	3.3	1.2	239	21.7	21.7	7.9	7.9	25.4	25.4	89.0	89.0	6.7	16.6	12	87	87	<0.2	1.7	1.7									
						5.5	1.0	217	21.8	21.8	7.9	7.9	25.9	25.9	88.5	88.5	6.7	17.3	10	89	89	<0.2	1.7	1.7									
						5.5	1.1	222	21.8	21.8	7.9	7.9	25.9	25.9	88.4	88.5	6.7	17.3	9	89	89	<0.2	1.6	1.6									
IM6	Sunny	Moderate	15:09	6.3	Surface	1.0	0.8	242	22.1	22.1	7.8	7.8	24.0	24.0	90.7	90.7	6.9	8.4	12	84	87	821074	805815	<0.2	1.4	1.4	1.4						
						1.0	0.9	246	22.1	22.1	7.8	7.8	23.9	23.9	90.7	90.7	6.9	8.5	12	84	84	<0.2	1.4	1.4									
						3.2	0.8	244	21.2	21.2	7.9	7.9	26.2	26.2	85.7	85.7	6.5	11.6	10	88	88	<0.2	1.5	1.5									
					Middle	3.2	0.9	259	21.3	21.3	7.9	7.9	26.2	26.2	85.7	85.7	6.5	11.6	10	88	88	<0.2	1.4	1.4									
						5.3	0.8	245	21.1	21.1	7.9	7.9	26.8	26.8	84.6	84.6	6.4	15.3	9	89	89	<0.2	1.4	1.4									
						5.3	0.8	265	21.1	21.1	7.9	7.9	26.8	26.8	84.5	84.6	6.4	15.2	9	89	89	<0.2	1.4	1.4									
IM7	Sunny	Moderate	15:21	7.4	Surface	1.0	1.0	249	21.5	21.5	7.9	7.9	25.3	25.3	89.1	89.1	6.8	7.8	10	85	87	821350	806811	<0.2	1.5	1.5	1.5						
						1.0	1.0	269	21.5	21.5	7.9	7.9	25.3	25.3	89.0	89.0	6.8	7.8	9	85	85	<0.2	1.5	1.5									
						3.7	1.0	251	21.2	21.2	7.9	7.9	26.2	26.2	87.8	87.8	6.7	9.5	8	87	87	<0.2	1.6	1.6									
					Middle	3.7	1.0	254	21.2	21.2	7.9	7.9	26.2	26.2	88.0	88.0	6.7	9.4</															

**Expansion of Hong Kong International Airport into a Three-Runway System**  
**Water Quality Monitoring**  
**Water Quality Monitoring Results on 09 April 20 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	14:41	7.0	Surface	1.0	0.4	150	21.4	21.4	7.7	7.7	23.9	23.9	88.8	88.8	6.8	6.9	7.9	7	84	88	822117	808828	<0.2	1.6	1.6	1.6						
						1.0	0.4	152	21.3	21.2	7.7	7.7	23.9	23.9	88.8	88.8	6.8	6.9	8.3	7	84	88	<0.2	1.6	1.6									
						3.5	0.4	146	21.2	21.2	7.7	7.7	25.3	25.3	89.5	89.6	6.9	6.9	9.6	7	87	88	<0.2	1.6	1.6									
					Middle	3.5	0.4	150	21.2	21.2	7.7	7.7	25.3	25.3	89.7	89.6	6.9	6.9	9.9	6	88	88	<0.2	1.6	1.6									
						6.0	0.3	141	21.2	21.2	7.7	7.7	26.0	26.0	91.9	92.4	7.1	7.1	10.6	6	92	88	<0.2	1.6	1.6									
						6.0	0.3	144	21.2	21.2	7.7	7.7	25.9	25.9	92.9	93.4	7.1	7.1	10.5	6	91	88	<0.2	1.6	1.6									
IM10	Fine	Moderate	14:33	7.4	Surface	1.0	0.8	102	22.4	22.4	7.7	7.7	23.1	23.1	91.1	91.0	6.9	6.9	9.8	12	83	87	822375	809770	<0.2	1.6	1.6							
						1.0	0.8	109	22.3	21.2	7.7	7.7	23.2	23.2	90.9	90.9	6.9	7.0	10.0	12	83	87	<0.2	1.6	1.6									
						3.7	0.7	92	21.2	21.2	7.7	7.7	25.5	25.5	90.8	90.9	7.0	7.0	10.8	10	87	88	<0.2	1.6	1.6									
					Middle	3.7	0.8	100	21.2	21.2	7.7	7.7	25.5	25.5	90.9	90.9	7.0	7.0	10.6	10	87	88	<0.2	1.6	1.6									
						6.4	0.7	91	21.2	21.2	7.7	7.7	25.6	25.6	93.3	93.4	7.2	7.2	12.4	6	92	88	<0.2	1.6	1.6									
						6.4	0.7	93	21.2	21.2	7.7	7.7	25.6	25.6	93.4	93.4	7.2	7.2	12.3	6	92	88	<0.2	1.6	1.6									
IM11	Fine	Moderate	14:20	8.1	Surface	1.0	0.9	104	21.8	21.7	7.7	7.7	23.0	23.0	89.6	89.6	6.9	6.9	9.5	12	85	88	822063	811440	<0.2	1.6	1.7							
						1.0	1.0	113	21.7	21.4	7.7	7.7	23.0	23.0	89.6	89.6	6.9	7.0	9.6	12	86	88	<0.2	1.7	1.7									
						4.1	0.9	102	21.4	21.4	7.7	7.7	23.6	23.7	90.6	90.7	7.0	7.0	10.0	11	88	89	<0.2	1.7	1.7									
					Middle	4.1	1.0	107	21.4	21.4	7.7	7.7	23.7	23.7	90.7	90.7	7.1	7.1	10.1	11	88	89	<0.2	1.7	1.7									
						7.1	0.8	100	21.4	21.4	7.7	7.7	24.0	24.0	92.7	92.5	7.1	7.1	11.6	8	89	89	<0.2	1.7	1.7									
						7.1	0.8	108	21.5	21.4	7.7	7.7	23.9	23.9	93.0	92.5	7.1	7.1	11.5	9	89	89	<0.2	1.6	1.6									
IM12	Fine	Moderate	14:08	10.8	Surface	1.0	0.8	92	21.6	21.6	7.7	7.7	23.8	23.8	88.6	88.5	6.8	6.8	9.9	10	83	88	821463	812023	<0.2	1.5	1.5							
						1.0	0.8	94	21.6	21.1	7.7	7.7	23.8	23.8	88.4	88.4	6.8	6.8	9.8	11	84	88	<0.2	1.5	1.5									
						5.4	0.6	83	21.1	21.1	7.7	7.7	25.6	25.6	88.0	88.1	6.7	6.8	10.2	8	88	88	<0.2	1.5	1.5									
					Middle	5.4	0.6	87	21.1	21.1	7.7	7.7	25.6	25.6	88.2	88.2	6.8	6.8	10.1	8	88	88	<0.2	1.5	1.5									
						9.8	0.4	73	21.1	21.1	7.7	7.7	25.9	25.9	89.5	89.6	6.9	6.9	12.2	6	91	88	<0.2	1.5	1.5									
						9.8	0.5	74	21.1	21.1	7.7	7.7	25.9	25.9	89.7	89.6	6.9	6.9	12.2	6	92	88	<0.2	1.5	1.5									
SR1A	Fine	Calm	13:38	4.9	Surface	1.0	-	-	21.3	21.3	7.7	7.7	24.8	24.8	88.6	88.8	6.8	6.8	8.7	13	-	-	819976	812666	-	-	-	-						
						1.0	-	-	21.3	21.3	7.7	7.7	24.9	24.9	88.9	88.9	6.8	6.8	8.0	14	-	-	-	-	-	-	-							
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.9	-	-	21.2	21.2	7.8	7.8	26.4	26.4	89.7	89.7	6.8	6.8	5.0	11	-	-	-	-	-	-	-	-	-	-				
						3.9	-	-	21.2	21.2	7.8	7.8	26.4	26.4	89.7	89.7	6.8	6.8	5.1	11	-	-	-	-	-	-	-	-	-	-				
SR2	Fine	Calm	13:22	4.7	Surface	1.0	0.7	65	21.2	21.2	7.7	7.7	24.8	24.8	86.9	86.9	6.7	6.7	10.9	7	85	88	821458	814174	<0.2	1.4	1.4							
						1.0	0.7	68	21.2	21.2	7.7	7.7	24.8	24.8	86.9	86.9	6.7	6.7	10.9	7	85	88	<0.2	1.4	1.4									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.7	0.4	67	21.1	21.1	7.7	7.7	26.1	26.1	87.2	87.3	6.7	6.7	11.3	10	91	88	<0.2	1.3	1.3									
						3.7	0.4	71	21.1	21.1	7.7	7.7	26.1	26.1	87.3	87.3	6.7	6.7	11.2	10	91	88	<0.2	1.4	1.4									
SR3	Fine	Moderate	14:53	8.8	Surface	1.0	0.4	198	21.7	21.7	7.8	7.8	24.9	24.9	91.1	91.1	6.9	6.9	8.2	7	-	-	822139	807566	-	-	-							
						1.0	0.4	208	21.7	21.2	7.8	7.8	25.0	25.0	91.0	91.0	6.9	6.9	8.4	6	-	-	-	-	-	-								
						4.4	0.5	203	21.2	21.2	7.8	7.8	26.2	26.2	90.1	90.1	6.9	6.9	10.6	6	-	-	-	-	-	-								
					Middle	4.4	0.5	222	21.2	21.2	7.8	7.8	26.2	26.2	90.1	90.1	6.9	6.9	10.8	6	-	-	-	-	-	-	-	-						
						7.8	0.4	221	21.2	21.2	7.7	7.7	26.5	26.5	91.1	91.2	6.9	6.9	12.6	5	-	-	-	-	-	-								
						7.8	0.4	224	21.2	21.2	7.7	7.7	26.5	26.5	91.2	91.2	6.9	6.9	12.4	5	-	-	-	-	-	-								
SR4A	Sunny	Calm	13:37	8.3	Surface	1.0	0.1	240	21.4	21.4	7.9	7.9	25.5	25.5	89.4	89.3	6.8	6.8	13.1	16	-	-	817209	807800	-	-	-							
						1.0	0.1	256	21.4	21.2	7.9	7.9	25.5	25.8	89.2	89.2	6.8	6.8	13.1	16	-	-	-	-	-									
						4.2	0.1	251	21.2	21.2	7.9	7.9	25.8	25.8	87.7	87.7	6.7	6.7	16.0	16	-	-	-	-										
					Middle	4.2	0.1	272	21.2	21.1	7.9	7.9	25.8	25.8	87.7	87.7	6.7	6.7	16.1	16	-	-	-	-										
						7.3	0.1	276	21.1	21.1	7.9	7.9	26.2	26.2	86.5	86.6	6.6	6.6	20.8	15	-	-	-	-										
						7.3	0.1	299	21.1	21.1	7.9	7.9	26.2	26.2	86.6	86.6	6.6	6.6	18.5	15	-	-	-	-										
SR5A	Sunny	Calm	13:19	3.7	Surface	1.0	0.2	81	21.6	21.6	7.9	7.9	26.0	26.0	89.8	89.8	6.8	6.8	18.5	23	-	-	816590	810704	-	-	-							
						1.0	0.2	88	21.6	21.6	7.9	7.9	26.0	26.0	89.8	89.8	6.8	6.8	16.5	22	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						2.7	0.2	95	21.6	21.6	7.9	7.9	26.0	26.0	88.9	88.9	6.7	6.7	17.4	22	-	-	-	-										
						2.7	0.2	96	21.6	21.6	7.9	7.9	26.0	26.0	88.8	88.8	6.7	6.7	17.3	21	-	-	-	-										
SR6A	Sunny	Calm	12:37	4.2	Surface	1.0	0.0	29	21.7	21.7	7.9	7.9	26.2	26.2	90.7	90.7	6.9	6.9	6.2	8	-	-	817972	814740	-	-	-							
						1.0	0.0	29	21.7	21.7	7.9	7.9	26.2	26.2	90.7	90.7	6.8	6.8	6.2	8	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						3.2	0.0	67	21.6	21.6	7.9	7.9	26.5	26.5	89.2	89.2	6.7	6.7	7.6	7	-	-	-	-										
						3.2																												

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

**Water Quality Monitoring Results on 09 April 20 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				
C1	Cloudy	Moderate	19:54	8.0	Surface	1.0	0.5	38	21.5	21.5	7.8	7.8	25.0	25.0	90.0	90.1	6.9	6.9	17.1	17.0	26	25	85	86	815619	804229	<0.2	1.3	<0.2	1.3						
						1.0	0.5	41	21.5	7.8	7.8	25.0	25.0	89.1	89.1	6.9	6.9	17.0	17.0	25	25	86	86	<0.2			1.2	<0.2		1.2						
						4.0	0.4	37	21.4	21.4	7.8	7.8	26.4	26.4	89.1	89.1	6.8	6.8	18.9	18.9	24	24	88	88			<0.2	1.3		<0.2	1.3					
					4.0	0.4	38	21.4	21.4	7.8	7.8	26.4	26.4	89.1	89.1	6.8	6.8	19.0	19.0	23	23	89	89	<0.2			1.3	<0.2		1.3						
					7.0	0.3	37	21.3	21.3	7.7	7.7	26.8	26.8	88.4	88.4	6.7	6.7	21.8	21.8	21	21	90	90	<0.2			1.3	<0.2		1.3						
					7.0	0.3	37	21.3	21.3	7.7	7.7	26.8	26.8	88.3	88.3	6.7	6.7	21.8	21.8	21	21	91	91	<0.2			1.3	<0.2		1.3						
C2	Fine	Rough	18:38	10.8	Surface	1.0	0.6	198	21.1	21.1	7.7	7.7	19.0	19.0	81.9	81.9	6.5	6.5	11.7	11.9	19	19	86	87	825705	806959	<0.2	2.1	<0.2	2.2						
						1.0	0.7	217	21.1	7.7	7.7	19.0	19.0	81.7	81.7	6.5	6.5	11.9	11.9	19	19	87	87	<0.2			2.2	<0.2		2.2						
						5.4	0.3	192	21.0	21.0	7.7	7.7	22.2	22.2	81.9	82.0	6.4	6.4	13.0	13.3	18	17	92	91			<0.2	2.2		<0.2	2.2					
					5.4	0.3	199	21.0	21.0	7.7	7.7	22.2	22.2	82.0	82.0	6.4	6.4	13.3	13.3	17	17	91	91	<0.2			2.2	<0.2		2.2						
					9.8	0.3	265	21.1	21.1	7.7	7.7	25.1	25.1	83.1	83.2	6.4	6.4	15.7	15.7	15	15	93	93	<0.2			2.1	<0.2		2.1						
					9.8	0.3	285	21.1	21.1	7.7	7.7	25.1	25.1	83.2	83.2	6.4	6.4	16.1	16.1	15	15	93	93	<0.2			2.2	<0.2		2.2						
C3	Fine	Moderate	20:32	12.8	Surface	1.0	0.6	256	21.3	21.3	7.8	7.8	25.7	25.7	88.3	88.3	6.7	6.6	6.4	6.3	9	9	82	82	822088	817798	<0.2	2.1	<0.2	2.1						
						1.0	0.6	265	21.3	21.2	7.8	7.8	25.7	25.7	88.3	88.3	6.7	6.6	6.3	6.3	9	8	82	87			<0.2	2.2		<0.2	2.2					
						6.4	0.7	247	21.2	21.2	7.8	7.8	28.7	28.7	86.8	86.9	6.5	6.5	8.4	8.5	8	8	87	87			<0.2	2.1		<0.2	2.1					
					6.4	0.8	258	21.2	21.2	7.8	7.8	28.7	28.7	86.9	86.9	6.5	6.5	8.5	8.5	8	8	87	87	<0.2			2.2	<0.2		2.2						
					11.8	0.6	249	21.2	21.2	7.8	7.8	28.7	28.7	87.4	87.6	6.6	6.6	9.3	9.3	8	8	91	91	<0.2			2.2	<0.2		2.2						
					11.8	0.7	250	21.2	21.2	7.8	7.8	28.7	28.7	87.5	87.6	6.6	6.6	9.6	9.6	8	8	92	92	<0.2			2.2	<0.2		2.2						
IM1	Cloudy	Moderate	19:31	4.6	Surface	1.0	0.3	14	21.5	21.5	7.8	7.8	25.5	25.5	90.4	90.4	6.9	6.9	14.3	14.4	17	17	85	86	817960	807151	<0.2	1.3	<0.2	1.2						
						1.0	0.3	14	21.5	21.5	7.8	7.8	25.5	25.5	90.4	90.4	6.9	6.9	14.4	14.4	17	17	86	86			<0.2	1.2		<0.2	1.2					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	-
					3.6	0.2	11	21.6	21.6	7.8	7.8	26.0	26.0	89.7	89.8	6.8	6.8	19.3	19.3	12	12	88	88	<0.2			1.2	<0.2		1.2						
					3.6	0.2	11	21.6	21.6	7.8	7.8	26.0	26.0	89.8	89.8	6.8	6.8	19.3	19.3	12	12	88	88	<0.2			1.2	<0.2		1.2						
IM2	Cloudy	Moderate	19:23	6.5	Surface	1.0	0.4	2	21.5	21.5	7.8	7.8	25.5	25.5	88.6	88.6	6.8	6.7	15.3	15.4	14	14	84	85	818165	806185	<0.2	1.2	<0.2	1.2						
						1.0	0.4	2	21.5	21.5	7.8	7.8	25.5	25.5	88.6	88.6	6.7	6.7	15.4	15.4	14	14	85	85			<0.2	1.2		<0.2	1.2					
						3.3	0.3	350	21.5	21.5	7.8	7.8	25.9	25.9	88.3	88.3	6.7	6.7	18.4	18.3	15	15	87	88			<0.2	1.2		<0.2	1.2					
					3.3	0.4	322	21.5	21.5	7.8	7.8	25.9	25.9	88.3	88.3	6.7	6.7	18.3	18.3	15	15	88	88	<0.2			1.2	<0.2		1.2						
					5.5	0.3	338	21.4	21.4	7.8	7.8	26.3	26.3	87.7	87.7	6.7	6.7	20.9	20.9	15	15	90	90	<0.2			1.2	<0.2		1.2						
					5.5	0.4	349	21.4	21.4	7.8	7.8	26.3	26.3	87.6	87.6	6.7	6.7	20.7	20.7	16	16	90	90	<0.2			1.3	<0.2		1.3						
IM3	Cloudy	Moderate	19:16	6.6	Surface	1.0	0.5	347	21.5	21.5	7.8	7.8	25.3	25.3	89.2	89.2	6.8	6.8	12.7	12.7	14	14	84	85	818803	805587	<0.2	1.3	<0.2	1.3						
						1.0	0.5	347	21.5	21.4	7.8	7.8	25.3	25.3	89.2	89.2	6.8	6.8	12.7	12.7	14	14	85	85			<0.2	1.3		<0.2	1.3					
						3.3	0.5	331	21.4	21.4	7.8	7.8	26.3	26.3	88.1	88.1	6.7	6.7	14.9	15.0	13	13	88	88			<0.2	1.3		<0.2	1.3					
					3.3	0.5	350	21.4	21.4	7.8	7.8	26.3	26.3	88.0	88.0	6.7	6.7	14.9	15.0	14	14	88	88	<0.2			1.3	<0.2		1.3						
					5.6	0.4	320	21.4	21.4	7.8	7.8	26.5	26.5	86.9	86.9	6.6	6.6	18.3	18.3	12	12	89	89	<0.2			1.3	<0.2		1.3						
					5.6	0.5	347	21.4	21.4	7.8	7.8	26.5	26.5	86.9	86.9	6.6	6.6	18.0	18.0	12	12	90	90	<0.2			1.2	<0.2		1.2						
IM4	Cloudy	Moderate	19:03	7.4	Surface	1.0	0.7	331	21.4	21.4	7.8	7.8	26.6	26.6	89.3	89.4	6.8	6.8	14.3	14.4	13	13	85	85	819732	804616	<0.2	1.3	<0.2	1.3						
						1.0	0.7	336	21.4	21.4	7.8	7.8	26.6	26.6	89.4	89.4	6.8	6.8	14.4	14.4	13	13	85	85			<0.2	1.3		<0.2	1.3					
						3.7	0.6	331	21.4	21.4	7.8	7.8	26.6	26.6	88.8	88.8	6.7	6.7	16.9	16.9	14	14	87	87			<0.2	1.4		<0.2	1.4					
					3.7	0.7	338	21.4	21.4	7.8	7.8	26.6	26.6	88.7	88.7	6.7	6.7	17.0	17.0	14	14	87	87	<0.2			1.3	<0.2		1.3						
					6.4	0.6	335	21.4	21.4	7.8	7.8	26.6	26.6	88.6	88.6	6.7	6.7	19.1	19.1	14	14	89	89	<0.2			1.3	<0.2		1.3						
					6.4	0.6	352	21.4	21.4	7.8	7.8	26.6	26.6	88.8	88.8	6.7	6.7	19.3	19.3	14	14	89	89	<0.2			1.4	<0.2		1.4						
IM5	Cloudy	Moderate	18:54	6.5	Surface	1.0	0.5	333	21.5	21.5	7.8	7.8	21.6	21.6	87.5	87.5	6.8	6.8	10.6	10.6	15	15	85	86	820755	804856	<0.2	1.8	<0.2	1.7						
						1.0	0.5	355	21.5	21.5	7.8	7.8	21.6	21.6	87.5	87.5	6.8	6.8	10.6	10.6	14	14	86	86			<0.2	1.7		<0.2	1.7					
						3.3	0.6	345	21.7	21.7	7.8	7.8	24.4	24.4	88.3	88.3	6.7	6.7	10.5	10.5	15	15	87	87			<0.2	1.7		<0.2	1.7					
					3.3	0.6	352	21.7	21.7	7.8	7.8	24.4	24.4	88.3	88.3	6.7	6.7	10.5	10.5	15	15	89	89	<0.2			1.8	<0.2		1.8						
					5.5	0.5	348	21.5	21.5	7.8	7.8	26.1	26.1	87.4	87.4	6.6	6.6	11.7	11.7	16	16	90	90	<0.2			1.7	<0.2		1.7						
					5.5	0.6	355	21.5	21.5	7.8	7.8	26.1	26.1	87.4	87.4	6.6	6.6	11.7	11.7	15	15	89	89	<0.2			1.8	<0.2		1.8						
IM6	Cloudy	Moderate	18:47	6.3	Surface	1.0	0.4	285	21.4	21.4	7.7	7.7	20.3	20.3	84.3	84.3	6.6	6.6	13.5	13.6	13	13	84	85	821066	805842	<0.2	1.9	&lt							

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

Water Quality Monitoring Results on **09 April 20** 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							
IM9	Fine	Moderate	19:08	6.6	Surface	1.0	0.2	287	21.5	21.5	7.6	7.6	18.3	18.3	85.6	85.7	6.8	6.8	8.3	8.3	8	8	86	86	90	822079	808816	<0.2	2.0	<0.2	2.1								
						1.0	0.2	295	21.5	21.5	7.6	7.6	18.3	18.3	85.7	85.8	6.8	6.8	8.8	8.8	8	8	87	87															
					Middle	3.3	0.2	292	21.5	21.5	7.7	7.7	18.2	18.2	85.5	85.5	6.8	6.8	9.0	9.0	9	9	90	90															
						3.3	0.2	312	21.5	21.5	7.7	7.7	18.2	18.2	85.5	85.5	6.8	6.8	9.0	9.0	9	9	91	91															
					Bottom	5.6	0.2	298	21.5	21.5	7.7	7.7	18.8	18.8	86.1	86.0	6.8	6.8	10.1	10.1	7	7	92	92															
						5.6	0.2	325	21.5	21.5	7.7	7.7	18.8	18.8	85.9	85.9	6.8	6.8	10.2	10.2	10	10	93	93															
IM10	Fine	Moderate	19:16	7.0	Surface	1.0	0.6	313	21.5	21.5	7.7	7.7	19.8	19.8	87.2	87.3	6.9	6.9	12.8	12.8	9	9	83	83	87	822374	809782	<0.2	2.2	<0.2	2.2								
						1.0	0.6	330	21.5	21.5	7.7	7.7	19.8	19.8	87.3	87.3	6.9	6.9	12.9	12.9	8	8	83	83															
					Middle	3.5	0.6	312	21.7	21.7	7.7	7.7	20.8	20.8	89.4	89.5	7.0	7.0	14.9	14.9	13	13	87	87															
						3.5	0.7	321	21.7	21.7	7.7	7.7	20.8	20.8	89.5	89.5	7.0	7.0	14.9	14.9	14	14	87	87															
					Bottom	6.0	0.6	312	21.7	21.7	7.7	7.7	21.1	21.1	91.1	91.7	7.1	7.2	15.7	15.7	14	14	91	91															
						6.0	0.6	312	21.7	21.7	7.7	7.7	21.1	21.1	92.2	92.2	7.2	7.2	15.5	15.5	14	14	91	91															
IM11	Fine	Moderate	19:28	7.1	Surface	1.0	0.7	333	21.6	21.6	7.7	7.7	21.0	21.1	87.9	87.9	6.9	6.9	10.8	10.8	10	10	82	82	87	822048	811441	<0.2	2.2	<0.2	2.2								
						1.0	0.7	338	21.6	21.6	7.7	7.7	21.0	21.1	87.9	87.9	6.9	6.9	10.9	10.9	10	10	82	82															
					Middle	3.6	0.6	318	21.4	21.4	7.8	7.8	24.7	24.7	88.6	88.7	6.8	6.8	12.8	12.8	7	7	87	87															
						3.6	0.6	327	21.4	21.4	7.8	7.8	24.7	24.7	88.6	88.6	6.8	6.8	12.9	12.9	7	7	88	88															
					Bottom	6.1	0.6	295	21.3	21.3	7.8	7.8	25.8	25.8	92.0	92.0	7.0	7.0	14.3	14.3	7	7	91	91															
						6.1	0.6	310	21.3	21.3	7.8	7.8	25.8	25.8	93.6	92.8	7.1	7.1	14.7	14.7	7	7	92	92															
IM12	Fine	Moderate	19:35	9.0	Surface	1.0	0.6	264	21.6	21.6	7.7	7.7	21.7	21.7	88.0	88.1	6.8	6.8	11.1	11.1	6	6	82	82	86	821474	812034	<0.2	2.1	<0.2	2.1								
						1.0	0.6	278	21.6	21.6	7.7	7.7	21.6	21.6	88.1	88.1	6.9	6.9	11.3	11.3	6	6	82	82															
					Middle	4.5	0.5	256	21.5	21.5	7.8	7.8	25.1	25.1	88.4	88.5	6.8	6.8	13.3	13.3	8	8	86	86															
						4.5	0.5	256	21.5	21.5	7.8	7.8	25.1	25.1	88.6	88.6	6.8	6.8	13.3	13.3	8	8	86	86															
					Bottom	8.0	0.4	257	21.6	21.6	7.8	7.8	25.4	25.4	89.6	89.7	6.8	6.8	15.6	15.6	10	10	91	91															
						8.0	0.4	262	21.6	21.6	7.8	7.8	25.4	25.4	89.8	89.8	6.8	6.8	15.8	15.8	9	9	91	91															
SR1A	Fine	Calm	19:54	4.1	Surface	1.0	-	-	21.7	21.7	7.8	7.8	22.2	22.0	92.6	92.7	7.2	7.2	7.4	7.4	7	7	-	-	819974	812659	-	-	-	-									
						1.0	-	-	21.7	21.7	7.8	7.8	21.8	21.8	92.7	92.7	7.2	7.2	7.4	7.4	7	7	-	-															
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-		
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-		
					Bottom	3.1	-	-	21.7	21.7	7.8	7.8	24.2	24.2	96.1	96.6	7.4	7.4	7.8	7.8	9	9	-	-			-	-			-	-	-	-	-	-	-	-	
						3.1	-	-	21.7	21.7	7.8	7.8	24.1	24.2	97.1	97.1	7.4	7.4	7.5	7.5	9	9	-	-			-	-			-	-	-	-	-	-	-	-	
SR2	Fine	Calm	20:06	4.6	Surface	1.0	0.1	169	21.4	21.4	7.8	7.8	24.7	24.7	88.7	88.8	6.8	6.8	8.2	8.2	7	7	82	82	85	821444	814144	<0.2	2.1	<0.2	2.1								
						1.0	0.1	181	21.4	21.4	7.8	7.8	24.7	24.7	88.8	88.8	6.8	6.8	8.1	8.1	7	7	82	82															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-	-	-	-	-	-	-
					Bottom	3.6	0.2	145	21.4	21.4	7.8	7.8	25.2	25.2	89.5	89.8	6.8	6.9	8.6	8.6	6	6	87	87															
						3.6	0.2	148	21.4	21.4	7.8	7.8	25.2	25.2	90.0	89.8	6.8	6.9	8.6	8.6	6	6	87	87															
SR3	Fine	Moderate	18:54	8.0	Surface	1.0	0.4	229	21.4	21.4	7.7	7.7	17.5	17.5	83.8	83.9	6.7	6.7	10.7	10.7	11	11	-	-	822170	807568	-	-	-	-									
						1.0	0.4	231	21.4	21.4	7.7	7.7	17.5	17.5	83.9	83.9	6.7	6.7	11.0	11.0	11	11	-	-															
					Middle	4.0	0.2	249	21.4	21.4	7.7	7.7	19.8	19.8	84.4	84.4	6.7	6.7	13.5	13.5	13	13	-	-															
						4.0	0.2	251	21.4	21.4	7.7	7.7	19.8	19.8	84.4	84.4	6.7	6.7	13.5	13.5	13	13	-	-															
					Bottom	7.0	0.2	262	21.4	21.4	7.7	7.7	20.3	20.3	85.2	85.3	6.7	6.7	14.3	14.3	17	17	-	-															
						7.0	0.2	271	21.4	21.4	7.8	7.8	20.3	20.3	85.3	85.3	6.7	6.7	14.3	14.3	17	17	-	-															
SR4A	Cloudy	Calm	20:14	8.4	Surface	1.0	0.2	75	21.6	21.6	7.7	7.7	25.8	25.8	90.0	90.0	6.8	6.8	16.7	16.7	22	22	-	-	817176	807793	-	-	-	-									
						1.0	0.2	79	21.6	21.6	7.7	7.7	25.8	25.8	90.0	90.0	6.8	6.8	16.7	16.7	22	22	-	-															
					Middle	4.2	0.2	65	21.8	21.8	7.7	7.7	26.3	26.3	88.0	88.0	6.6	6.6	14.7	14.7	22	22	-	-															
						4.2	0.2	69	21.8	21.8	7.7	7.7	26.3	26.3	88.0	88.0	6.6	6.6	14.8	14.8	22	22	-	-															
					Bottom	7.4	0.2	72	21.8	21.8	7.7	7.7	26.4	26.4	89.2	89.2	6.7	6.7	15.2	15.2	22	22	-	-															
						7.4	0.2	77	21.8	21.8	7.7	7.7	26.4	26.4	89.2	89.2	6.7	6.7	15.2	15.2	22	22	-	-															
SR5A	Cloudy	Calm	20:31	3.9	Surface	1.0	0.1	75	21.7	21.7	7.7	7.7	26.5	26.5	89.5	89.6	6.8	6.8	10.2	10.2	16	16	-	-	816593	810674	-	-	-	-									
						1.0	0.1	82	21.7	21.7	7.7	7.7	26.5	26.5	89.6	89.6	6.8	6.8	10.2	10.2	15	15	-	-															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-		
					Bottom	2.9	0.0	30	21.7	21.7	7.6	7.6	26.5	26.5	89.0	89.0	6.7	6.7	10.4	10.4	16	16	-	-															
						2.9	0.0	32	21.7	21.7	7.6	7.6	26.5	26.5	89.0	89.0	6.7	6.7	10.4	10.4	15	15	-	-															
SR6A	Cloudy	Calm	21:07	4.3	Surface	1.0	0.0	225	21.5	21.5	7.6	7.6	24.1	24.1	88.5	88.5	6.8	6.8	5.9	5.9	10	10	-	-	817967	814724	-	-	-	-									
						1.0	0.0	244	21.5	21.5	7.6	7.6	24.1	24.1	88.5	88.5	6.8																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 April 20 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	Cloudy	Moderate	14:42	8.6	Surface	1.0	0.6	222	21.4	21.4	7.9	7.9	25.4	25.1	93.2	93.2	7.1	5.4	5	86	89	815618	804237	<0.2	1.1	1.2	1.1					
						1.0	0.6	241	21.4	21.4	7.9	7.9	24.8	24.8	93.2	93.2	7.1	5.5	4	87	89	<0.2	1.0	1.2	1.0							
						4.3	0.6	210	21.2	21.2	7.9	7.9	28.0	28.0	91.6	91.6	6.9	9.5	5	89	89	<0.2	1.2	1.4	1.2							
					Middle	4.3	0.6	218	21.2	21.2	7.9	7.9	28.0	28.0	91.6	91.6	6.9	9.5	5	89	89	<0.2	1.4	1.3	1.4	1.3						
						7.6	0.5	204	21.2	21.2	7.9	7.9	29.1	29.1	90.4	90.4	6.8	13.5	5	91	91	<0.2	1.3	1.2	1.3	1.2						
						7.6	0.5	209	21.2	21.2	7.9	7.9	29.1	29.1	90.3	90.3	6.8	13.3	5	91	91	<0.2	1.2	1.2	1.2	1.2						
C2	Cloudy	Moderate	13:35	11.5	Surface	1.0	0.7	178	21.5	21.5	7.8	7.8	21.4	21.4	86.9	87.0	6.8	6.7	7	88	90	825680	806963	<0.2	2.0	1.8	1.8					
						1.0	0.7	182	21.5	21.5	7.8	7.8	21.4	21.4	87.0	87.0	6.8	6.7	6	87	89	<0.2	1.8	1.9	1.8							
						5.8	0.5	161	21.3	21.3	7.8	7.8	25.2	25.2	86.4	86.3	6.6	12.4	6	90	90	<0.2	1.9	1.6	1.9							
					Middle	5.8	0.5	161	21.3	21.3	7.8	7.8	25.2	25.2	86.2	86.0	6.6	12.3	6	90	90	<0.2	1.9	1.6	1.9	1.6						
						10.5	0.3	125	21.3	21.3	7.9	7.9	26.7	26.7	86.0	86.0	6.5	12.4	5	93	93	<0.2	1.6	1.9	1.6	1.9						
						10.5	0.3	132	21.3	21.3	7.9	7.9	26.7	26.7	86.0	86.0	6.5	12.5	5	92	92	<0.2	1.9	1.9	1.9	1.9						
C3	Cloudy	Moderate	15:31	10.7	Surface	1.0	0.4	94	21.6	21.6	7.9	7.9	25.0	25.0	88.7	88.7	6.8	5.9	9	86	88	822125	817824	<0.2	1.4	1.4	1.4					
						1.0	0.4	98	21.6	21.6	7.9	7.9	25.0	25.0	88.7	88.7	6.8	5.9	9	86	88	<0.2	1.4	1.4	1.4	1.4						
						5.4	0.4	110	21.5	21.5	7.9	7.9	25.4	25.4	87.8	87.8	6.7	8.9	8	87	87	<0.2	1.4	1.3	1.4	1.3						
					Middle	5.4	0.4	119	21.5	21.5	7.9	7.9	25.4	25.4	87.8	87.8	6.7	9.0	8	87	87	<0.2	1.4	1.3	1.4	1.3						
						9.7	0.4	68	21.3	21.3	7.9	7.9	27.4	27.4	85.9	85.9	6.5	14.2	7	90	90	<0.2	1.3	1.2	1.3	1.2						
						9.7	0.4	72	21.3	21.3	7.9	7.9	27.4	27.4	85.8	85.8	6.5	14.1	7	91	91	<0.2	1.2	1.2	1.2	1.2						
IM1	Cloudy	Moderate	14:23	5.3	Surface	1.0	0.1	184	21.8	21.8	7.8	7.8	24.0	24.0	93.4	93.4	7.1	4.7	4	86	87	817937	807137	<0.2	1.3	1.2	1.3					
						1.0	0.2	184	21.8	21.8	7.8	7.8	24.0	24.0	93.3	93.3	7.1	4.7	4	86	87	<0.2	1.2	1.2	1.2							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.3	0.1	190	21.5	21.5	7.8	7.8	26.0	26.0	90.6	90.6	6.9	9.9	4	88	88	<0.2	1.2	1.1	1.2	1.1						
						4.3	0.1	205	21.5	21.5	7.8	7.8	26.0	26.0	90.6	90.6	6.9	9.8	5	88	88	<0.2	1.1	1.1	1.1	1.1						
IM2	Cloudy	Moderate	14:16	7.6	Surface	1.0	0.3	181	21.6	21.6	7.9	7.9	23.8	23.8	92.9	92.9	7.1	3.9	5	85	87	818171	806174	<0.2	1.2	1.2	1.2					
						1.0	0.3	189	21.5	21.5	7.9	7.9	23.8	23.8	92.9	92.9	7.1	3.9	5	84	87	<0.2	1.2	1.2	1.2							
						3.8	0.2	170	21.3	21.3	7.9	7.9	26.5	26.5	91.1	91.1	6.9	6.2	4	87	87	<0.2	1.3	1.2	1.3	1.2						
					Middle	3.8	0.2	184	21.3	21.3	7.9	7.9	26.5	26.5	91.1	91.1	6.9	6.2	4	87	87	<0.2	1.2	1.4	1.2	1.4						
						6.6	0.2	148	21.3	21.3	7.9	7.9	27.6	27.6	90.4	90.4	6.8	10.4	3	89	89	<0.2	1.4	1.1	1.4	1.1						
						6.6	0.2	151	21.3	21.3	7.9	7.9	27.6	27.6	90.3	90.3	6.8	10.3	3	89	89	<0.2	1.1	1.1	1.1	1.1						
IM3	Cloudy	Moderate	14:09	7.9	Surface	1.0	0.3	147	21.5	21.5	7.9	7.9	25.2	25.2	92.2	92.2	7.0	4.6	3	84	87	818768	805590	<0.2	1.4	1.4	1.4					
						1.0	0.3	160	21.5	21.5	7.9	7.9	25.2	25.2	92.2	92.2	7.0	4.6	3	84	87	<0.2	1.4	1.4	1.4							
						4.0	0.3	142	21.3	21.3	7.9	7.9	27.3	27.3	91.4	91.4	6.9	6.1	5	87	87	<0.2	1.2	1.4	1.2	1.4						
					Middle	4.0	0.3	151	21.3	21.3	7.9	7.9	27.3	27.3	91.3	91.3	6.9	6.1	5	87	87	<0.2	1.4	1.4	1.4	1.4						
						6.9	0.3	138	21.2	21.2	7.9	7.9	28.1	28.1	89.9	89.9	6.8	14.4	6	89	89	<0.2	1.4	1.4	1.4	1.4						
						6.9	0.3	140	21.2	21.2	7.9	7.9	28.1	28.1	89.9	89.9	6.8	14.4	6	90	90	<0.2	1.4	1.4	1.4	1.4						
IM4	Cloudy	Moderate	14:01	8.5	Surface	1.0	0.6	189	21.4	21.4	7.9	7.9	24.8	24.8	90.9	90.9	7.0	8.7	7	84	87	819739	804617	<0.2	1.6	1.5	1.6					
						1.0	0.6	203	21.4	21.4	7.9	7.9	24.8	24.8	90.9	90.9	7.0	8.7	7	85	87	<0.2	1.5	1.5	1.5							
						4.3	0.5	159	21.4	21.4	7.9	7.9	27.4	27.4	89.4	89.4	6.7	12.6	8	87	87	<0.2	1.5	1.4	1.5	1.4						
					Middle	4.3	0.5	171	21.4	21.4	7.9	7.9	27.4	27.4	89.4	89.4	6.7	12.9	8	87	87	<0.2	1.4	1.5	1.4	1.5						
						7.5	0.3	153	21.3	21.3	7.9	7.9	28.9	28.9	89.2	89.2	6.7	15.7	8	89	89	<0.2	1.5	1.6	1.5	1.6						
						7.5	0.4	163	21.3	21.3	7.8	7.8	28.9	28.9	89.3	89.3	6.7	15.5	8	89	89	<0.2	1.6	1.6	1.6	1.6						
IM5	Cloudy	Moderate	13:54	8.2	Surface	1.0	0.5	224	21.4	21.4	7.8	7.8	25.0	25.0	90.6	90.6	6.9	7.5	9	84	87	820726	804879	<0.2	1.4	1.4	1.4					
						1.0	0.6	245	21.4	21.4	7.8	7.8	25.0	25.0	90.6	90.6	6.9	7.5	9	84	87	<0.2	1.4	1.5	1.4	1.5						
						4.1	0.5	201	21.4	21.4	7.9	7.9	27.2	27.2	89.3	89.3	6.8	10.4	8	87	87	<0.2	1.5	1.5	1.5	1.5						
					Middle	4.1	0.5	206	21.4	21.4	7.9	7.9	27.2	27.2	89.4	89.4	6.8	10.6	8	87	87	<0.2	1.5	1.6	1.5	1.6						
						7.2	0.4	192	21.3	21.3	7.9	7.9	28.5	28.5	88.7	88.7	6.7	14.3	8	89	89	<0.2	1.6	1.4	1.6	1.4						
						7.2	0.4	195	21.3	21.3	7.9	7.9	28.5	28.5	88.7	88.7	6.7	14.3	8	90	90	<0.2	1.4	1.4	1.4	1.4						
IM6	Cloudy	Moderate	13:47	7.7	Surface	1.0	0.3	251	21.4	21.4	7.9	7.9	25.9	25.9	90.5	90.5	6.9	9.9	6	84	87	821082	805816	<0.2	1.4	1.3	1.4					
						1.0	0.3	253	21.4	21.4	7.9	7.9	25.9	25.9	90.5	90.5	6.9	9.8	6	85	87	<0.2	1.3	1.5	1.3	1.5						
						3.9	0.3	229	21.3	21.3	7.9	7.9	27.3	27.3	89.9	89.9	6.8	12.3	7	87	87	<0.2	1.5	1.4	1.5	1.4						
					Middle	3.9	0.3	231	21.3	21.3	7.9	7.9	27.2	27.2	89.9	89.9	6.8	12.5	7	87	87	<0.2	1.4	1.5	1.4	1.5						
						6.7	0.3	202	21.3	21.3	7.9	7.9	28.0	28.0	89.3	89.3	6.7	15.0	8	89	89	<0.2	1.5	1.5	1.5	1.5						
						6.7	0.3	202	21.3	21.3	7.9	7.9	28.0	28.0	89.3	89.3	6.7	14.8	8	89	89	<0.2	1.5	1.5	1.5	1.5						
IM7	Cloudy	Moderate	13:39	9.0																												

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

Water Quality Monitoring Results on 11 April 20 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	Cloudy	Moderate	14:07	7.9	Surface	1.0	0.3	124	21.5	21.5	7.9	7.9	22.3	22.3	88.5	88.5	6.9	6.9	5.4	6	85	85	87	87	822099	808790	<0.2	1.6	<0.2	1.6				
						1.0	0.3	130	21.5	7.9	7.9	22.3	22.3	88.5	88.5	6.9	6.8	5.4	7	85	85	<0.2	1.8											
						4.0	0.3	139	21.3	21.3	7.9	7.9	24.4	24.4	87.3	87.3	6.7	9.0	10.2	6	88	88	<0.2	1.5										
					6.9	0.2	79	21.3	21.3	7.9	7.9	25.8	25.8	89.5	89.5	6.8	6.8	11.3	6	89	89	<0.2	1.5											
					6.9	0.2	82	21.3	21.3	7.9	7.9	25.8	25.8	89.5	89.5	6.8	6.8	11.5	5	89	89	<0.2	1.6											
					1.0	0.7	122	21.6	21.6	7.9	7.9	22.1	22.1	89.6	89.6	7.0	7.0	4.8	4	86	86	<0.2	1.4											
IM10	Cloudy	Moderate	14:15	8.1	Surface	1.0	0.8	126	21.6	21.6	7.9	7.9	22.1	22.1	89.7	89.7	7.0	7.0	4.8	4	86	86	87	87	822386	809809	<0.2	1.8	<0.2	1.5				
						4.1	0.7	110	21.5	21.5	7.9	7.9	22.8	22.8	89.9	89.9	7.0	7.0	4.8	4	88	88	<0.2	1.5										
						4.1	0.7	115	21.5	21.5	7.9	7.9	22.8	22.8	89.8	89.8	6.9	9.5	7.7	4	88	88	<0.2	1.5										
					7.1	0.5	94	21.3	21.3	7.9	7.9	25.4	25.4	87.5	87.5	6.7	6.7	15.9	6	89	89	<0.2	1.6											
					7.1	0.6	95	21.3	21.3	7.9	7.9	25.4	25.4	87.4	87.4	6.7	6.7	15.9	6	89	89	<0.2	1.7											
					1.0	0.8	122	21.5	21.5	7.9	7.9	22.7	22.7	89.1	89.1	6.9	6.9	6.5	4	85	85	<0.2	1.6											
IM11	Cloudy	Moderate	14:27	8.7	Surface	1.0	0.9	126	21.5	21.5	7.9	7.9	22.7	22.7	89.1	89.1	6.9	6.9	6.6	4	85	85	87	87	822051	811451	<0.2	1.6	<0.2	1.6				
						4.4	0.8	120	21.4	21.4	7.9	7.9	24.0	24.0	88.5	88.5	6.8	6.9	10.3	4	87	87	<0.2	1.5										
						4.4	0.9	120	21.4	21.4	7.9	7.9	24.0	24.0	88.5	88.5	6.8	10.3	10.5	4	87	87	<0.2	1.6										
					7.7	0.4	118	21.4	21.4	7.9	7.9	25.0	25.0	88.2	88.2	6.8	6.8	13.8	6	89	89	<0.2	1.6											
					7.7	0.4	127	21.4	21.4	7.9	7.9	25.0	25.0	88.3	88.3	6.8	6.8	13.9	6	89	89	<0.2	1.6											
					1.0	0.8	110	21.7	21.7	7.9	7.9	23.1	23.1	89.4	89.4	6.9	6.8	6.2	7	85	85	<0.2	1.5											
IM12	Cloudy	Moderate	14:34	8.3	Surface	1.0	0.9	114	21.7	21.7	7.9	7.9	23.1	23.1	89.4	89.4	6.9	6.8	6.2	7	84	84	87	87	821476	812024	<0.2	1.4	<0.2	1.4				
						4.2	0.6	99	21.4	21.4	7.9	7.9	25.1	25.1	87.5	87.5	6.7	9.5	7	7	86	86	<0.2	1.4										
						4.2	0.6	108	21.4	21.4	7.9	7.9	25.1	25.1	87.5	87.5	6.7	9.1	7	7	87	87	<0.2	1.5										
					7.3	0.3	101	21.3	21.3	7.9	7.9	26.0	26.0	86.1	86.1	6.6	6.6	13.2	6	89	89	<0.2	1.4											
					7.3	0.3	109	21.3	21.3	7.9	7.9	26.0	26.0	86.2	86.2	6.6	6.6	13.0	6	89	89	<0.2	1.5											
					1.0	-	-	21.5	21.5	7.8	7.8	23.4	23.4	88.5	88.5	6.8	6.8	7.6	7	-	-	-	-	-			-	-		-	-	-	-	-
SR1A	Cloudy	Moderate	14:55	5.6	Surface	1.0	-	-	21.5	21.5	7.8	7.8	23.4	23.4	88.5	88.5	6.8	6.8	7.6	7	-	-	-	-	819979	812665	-	-	-	-				
						1.0	-	-	21.5	21.5	7.8	7.8	23.4	23.4	88.5	88.5	6.8	6.8	7.6	7	-	-	-	-										
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
					4.6	-	-	21.4	21.4	7.8	7.8	25.1	25.1	87.4	87.4	6.7	6.7	7.1	9	-	-	-	-	-			-	-	-	-	-	-		
					4.6	-	-	21.4	21.4	7.8	7.8	25.1	25.1	87.5	87.5	6.7	6.7	7.2	9	-	-	-	-	-			-	-	-	-	-	-		
SR2	Cloudy	Moderate	15:08	3.9	Surface	1.0	0.5	63	21.8	21.8	7.8	7.8	23.1	23.1	89.5	89.6	6.9	6.9	6.9	6	85	85	84	84	821483	814175	<0.2	1.5	<0.2	1.5				
						1.0	0.5	64	21.8	21.8	7.8	7.8	23.1	23.1	89.6	89.6	6.9	6.9	6.8	6	84	84	<0.2	1.5										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-
					2.9	0.3	53	21.5	21.5	7.8	7.8	24.7	24.7	88.0	88.0	6.7	6.7	8.2	8	85	85	<0.2	1.5											
					2.9	0.3	57	21.5	21.5	7.8	7.8	24.7	24.7	87.9	87.9	6.7	6.7	8.6	8	86	86	<0.2	1.5											
					1.0	0.1	220	21.7	21.7	7.8	7.8	21.6	21.6	88.6	88.6	6.9	6.8	5.3	5	-	-	-	-	-			-	-		-	-	-	-	
SR3	Cloudy	Moderate	13:53	9.8	Surface	1.0	0.1	220	21.7	21.7	7.8	7.8	21.6	21.6	88.6	88.6	6.9	6.9	5.4	5	-	-	-	-	822131	807576	-	-	-	-				
						1.0	0.1	228	21.7	21.7	7.8	7.8	21.6	21.6	88.6	88.6	6.9	6.9	5.4	5	-	-	-	-										
						4.9	0.1	241	21.3	21.3	7.8	7.8	25.6	25.6	87.0	87.0	6.6	6.8	9.5	5	-	-	-	-										
					4.9	0.2	263	21.3	21.3	7.8	7.8	25.6	25.6	87.0	87.0	6.6	6.6	9.6	5	-	-	-	-											
					8.8	0.1	26	21.3	21.3	7.9	7.9	26.7	26.7	88.7	88.7	6.7	6.7	12.1	5	-	-	-	-											
					8.8	0.1	27	21.3	21.3	7.9	7.9	26.7	26.7	88.7	88.7	6.7	6.7	11.9	4	-	-	-	-											
SR4A	Cloudy	Calm	15:04	8.1	Surface	1.0	0.1	79	21.8	21.8	7.8	7.8	24.3	24.3	92.3	92.3	7.0	7.0	6.5	4	-	-	-	-	817211	807809	-	-	-	-				
						1.0	0.2	86	21.8	21.8	7.8	7.8	24.3	24.3	92.2	92.2	7.0	6.9	6.5	4	-	-	-	-										
						4.1	0.1	65	21.5	21.5	7.8	7.8	26.1	26.1	89.8	89.8	6.8	6.8	11.3	5	-	-	-	-										
					4.1	0.1	70	21.5	21.5	7.8	7.8	26.1	26.1	89.7	89.7	6.8	6.8	11.3	5	-	-	-	-											
					7.1	0.2	68	21.4	21.4	7.8	7.8	26.3	26.3	88.9	88.9	6.7	6.7	12.5	6	-	-	-	-											
					7.1	0.2	74	21.4	21.4	7.8	7.8	26.3	26.3	88.8	88.8	6.7	6.7	12.6	6	-	-	-	-											
SR5A	Cloudy	Calm	15:20	3.8	Surface	1.0	0.0	318	22.3	22.3	7.8	7.8	25.4	25.4	92.9	92.9	7.0	7.0	6.7	6	-	-	-	-	816599	810693	-	-	-	-				
						1.0	0.0	341	22.3	22.3	7.8	7.8	25.4	25.4	92.8	92.8	7.0	7.0	6.8	6	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
					2.8	0.1	347	21.7	21.7	7.8	7.8	26.1	26.1	90.0	90.0	6.8	6.8	9.4	7	-	-	-	-											
					2.8	0.1	351	21.7	21.7	7.8	7.8	26.1	26.1	90.0	90.0	6.8	6.8	9.4	7	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
SR6A	Cloudy	Calm	15:47	4.2	Surface	1.0	0.0	313	21.6	21.6	7.8	7.8	24.6	24.6	87.7	87.7	6.7	6.7	4.7	5	-	-	-	-	817948	814729	-	-	-	-				
						1.0	0.0	327	21.6	21.6	7.8	7.8	24.6	24.6	87.7	87.7	6.7	6.7	4.8	5	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.2	0.1	262	21.5	21.5	7.7	7.7	25.1	25.1	86.8	86.8	6.6	6.6	5.4	4	-	-	-	-											
					3.2	0.1	287	21.5	21.5	7.7	7.7	25.2	25.1	86.8	86.8	6.6	6.6	5.4																

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

**Water Quality Monitoring Results on 11 April 20 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	Cloudy	Moderate	09:31	8.5	Surface	1.0	0.7	41	21.2	21.2	7.9	7.9	25.6	25.6	91.0	91.0	7.0		13.7		12		86		815601	804257	<0.2	1.6	1.6			
						1.0	0.7	42	21.2	21.2	7.9	7.9	25.6	25.6	91.0	91.0	7.0	6.9	14.0		13		86				<0.2	1.7				
						4.3	0.7	36	21.3	21.3	7.9	7.9	28.5	28.5	90.9	90.9	6.8		16.4	16.3	10	11	88				<0.2	1.6				
					4.3	0.7	38	21.3	21.3	7.9	7.9	28.5	28.5	90.9	90.9	6.8		16.2		10		89				<0.2	1.6					
					7.5	0.7	38	21.3	21.3	7.8	7.8	29.6	29.6	90.5	90.5	6.8	6.8	18.6		10		88				<0.2	1.7					
					7.5	0.7	41	21.3	21.3	7.8	7.8	29.6	29.6	90.4	90.4	6.8	6.8	18.8		10		91				<0.2	1.5					
C2	Cloudy	Moderate	10:10	12.2	Surface	1.0	0.5	342	21.1	21.1	7.9	7.9	20.1	20.1	84.6	84.6	6.7		5.4		6		88		825705	806953	<0.2	1.9	1.9			
						1.0	0.6	358	21.1	21.1	7.9	7.9	20.2	20.2	84.6	84.6	6.7	6.7	5.4		6		89				<0.2	1.8				
						6.1	0.5	359	21.2	21.2	7.9	7.9	21.7	21.7	84.7	84.7	6.6		10.5	9.7	6	6	90				<0.2	2.0				
					6.1	0.5	330	21.2	21.2	7.9	7.9	21.7	21.7	84.7	84.7	6.6		10.6		6		91				<0.2	2.0					
					11.2	0.4	11	21.2	21.2	7.9	7.9	23.1	23.1	84.1	84.1	6.5	6.5	13.0		5		93				<0.2	2.0					
					11.2	0.5	11	21.2	21.2	7.9	7.9	23.1	23.1	83.9	83.9	6.5	6.5	13.0		5		92				<0.2	1.9					
C3	Foggy	Moderate	07:48	11.1	Surface	1.0	0.8	259	21.4	21.4	7.9	7.9	23.9	23.9	87.4	87.4	6.7		4.6		6		87		822104	817820	<0.2	1.6	1.5			
						1.0	0.8	269	21.4	21.4	7.9	7.9	23.9	23.9	87.3	87.3	6.7	6.7	4.6		6		86				<0.2	1.4				
						5.6	0.7	248	21.3	21.3	7.9	7.9	26.0	26.0	86.3	86.3	6.6		5.7	6.5	6	6	91				<0.2	1.6				
					5.6	0.7	259	21.3	21.3	7.9	7.9	26.0	26.0	86.3	86.3	6.6		5.7		6		91				<0.2	1.5					
					10.1	0.5	254	21.3	21.3	7.9	7.9	28.0	28.0	85.8	85.8	6.5	6.5	9.2		7		92				<0.2	1.5					
					10.1	0.6	263	21.3	21.3	7.9	7.9	28.0	28.0	85.8	85.8	6.5	6.5	9.1		7		92				<0.2	1.5					
IM1	Cloudy	Moderate	09:48	5.5	Surface	1.0	0.2	22	21.4	21.4	7.8	7.8	26.7	26.7	88.7	88.7	6.7		14.5		17		86		817966	807111	<0.2	1.1	1.2			
						1.0	0.3	24	21.4	21.4	7.8	7.8	26.7	26.7	88.8	88.8	6.7	6.7	14.5		17		87				<0.2	1.1				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.5	0.1	59	21.3	21.3	7.7	7.7	27.0	27.0	88.2	88.2	6.7	6.7	17.8		17		89				<0.2	1.2					
					4.5	0.1	60	21.3	21.3	7.7	7.7	27.0	27.0	88.1	88.1	6.7	6.7	17.8		18		89				<0.2	1.3					
					1.0	0.3	12	21.3	21.3	7.9	7.9	27.1	27.1	90.8	90.8	6.9		16.4		8		85				<0.2	1.5					
IM2	Cloudy	Moderate	09:55	8.0	Surface	1.0	0.4	12	21.3	21.3	7.9	7.9	27.1	27.1	90.7	90.7	6.9		16.5		8		85		818148	806162	<0.2	1.3	1.5			
						4.0	0.3	11	21.3	21.3	7.9	7.9	27.3	27.3	90.1	90.2	6.8		18.6	18.7	8	7	88				<0.2	1.5				
						4.0	0.3	11	21.3	21.3	7.9	7.9	27.3	27.3	90.2	90.2	6.8		18.8		8		88				<0.2	1.4				
					7.0	0.4	8	21.3	21.3	7.8	7.8	27.3	27.3	89.8	89.8	6.8	6.8	20.8		6		89				<0.2	1.6					
					7.0	0.4	8	21.3	21.3	7.8	7.8	27.3	27.3	89.9	89.9	6.8	6.8	20.8		6		89				<0.2	1.4					
					1.0	0.5	353	21.3	21.3	7.9	7.9	25.3	25.4	90.9	90.9	7.0		8.7		8		85				<0.2	1.5					
IM3	Cloudy	Moderate	10:01	8.2	Surface	1.0	0.6	359	21.3	21.3	7.9	7.9	25.4	25.4	90.9	90.9	6.9		8.8		8		85		818787	805591	<0.2	1.4	1.4			
						4.1	0.5	351	21.3	21.3	7.9	7.9	26.7	26.7	90.4	90.4	6.9	6.9	11.1		8		88				<0.2	1.5				
						4.1	0.5	342	21.3	21.3	7.8	7.8	28.0	28.0	89.3	89.3	6.7		15.8	12.0	8	8	89				<0.2	1.3				
					7.2	0.5	342	21.3	21.3	7.8	7.8	28.0	28.0	89.3	89.3	6.7	6.7	16.1		8		90				<0.2	1.4					
					7.2	0.5	315	21.3	21.3	7.8	7.8	28.0	28.0	89.3	89.3	6.7	6.7	16.1		8		90				<0.2	1.4					
					1.0	0.9	351	21.3	21.3	7.9	7.9	24.3	24.3	91.2	91.2	7.0		7.1		8		84				<0.2	1.4					
IM4	Cloudy	Moderate	10:09	8.8	Surface	1.0	1.0	323	21.3	21.3	7.9	7.9	24.3	24.3	91.2	91.2	7.0		7.1		8		85		819727	804600	<0.2	1.4	1.4			
						4.4	0.8	357	21.3	21.3	7.9	7.9	28.1	28.1	89.9	89.9	6.8	6.9	10.2		8		87				<0.2	1.4				
						4.4	0.8	357	21.3	21.3	7.9	7.9	28.1	28.1	90.0	90.0	6.8		10.3	10.0	8	8	88				<0.2	1.5				
					7.8	0.7	353	21.3	21.3	7.9	7.9	28.2	28.2	89.5	89.5	6.7	6.7	12.6		8		89				<0.2	1.4					
					7.8	0.8	325	21.3	21.3	7.9	7.9	28.2	28.2	89.5	89.5	6.7	6.7	12.5		8		89				<0.2	1.4					
					1.0	1.2	15	21.3	21.3	7.9	7.9	24.9	24.8	92.1	92.2	7.1		13.7		9		84				<0.2	1.3					
IM5	Cloudy	Moderate	10:15	7.9	Surface	1.0	1.2	15	21.3	21.3	7.9	7.9	24.8	24.8	92.2	92.2	7.1		13.6		9		84		820729	804860	<0.2	1.4	1.4			
						4.0	1.1	16	21.3	21.3	7.9	7.9	26.8	26.8	89.8	89.8	6.8	7.0	16.1		12		87				<0.2	1.5				
						4.0	1.1	17	21.3	21.3	7.9	7.9	26.8	26.8	89.8	89.8	6.8		16.2	16.5	12	11	87				<0.2	1.4				
					6.9	0.9	20	21.3	21.3	7.9	7.9	26.9	26.9	89.4	89.4	6.8	6.8	19.8		13		89				<0.2	1.5					
					6.9	0.9	20	21.3	21.3	7.9	7.9	26.9	26.9	89.5	89.5	6.8	6.8	19.5		13		89				<0.2	1.4					
					1.0	0.1	259	21.2	21.2	7.9	7.9	19.3	19.3	88.3	88.3	7.0		5.3		5		85				<0.2	2.1					
IM6	Cloudy	Moderate	10:23	8.2	Surface	1.0	0.1	276	21.2	21.2	7.9	7.9	19.3	19.3	88.3	88.3	7.0		5.3		5		85		821050	805830	<0.2	1.8	2.0			
						4.1	0.2	47	21.3	21.3	7.9	7.9	22.6	22.6	88.6	88.6	6.9	7.0	8.7		5		88				<0.2	2.0				
						4.1	0.2	47	21.3	21.3	7.9	7.9	22.6	22.6	88.6	88.6	6.9		8.7		5		88				<0.2	1.9				
					7.2	0.2	79	21.4	21.4	7.8	7.8	25.6	25.6	89.0	89.0	6.8	6.8	11.9		6		89				<0.2	2.0					
					7.2	0.2																										



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

**Water Quality Monitoring Results on 14 April 20 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	Cloudy	Moderate	17:19	8.5	Surface	1.0	0.4	227	21.4	21.4	8.0	8.0	26.9	26.9	103.4	103.3	7.8	4.9	5	86	89	815638	804265	<0.2	1.2	1.2	1.2					
						1.0	0.4	233	21.4	8.0	8.0	27.0	103.2	7.8	4.9	5	86															
					Middle	4.3	0.3	205	21.3	21.3	8.0	8.0	31.6	31.6	100.7	100.7	7.4	5.1	4	90	89	815638	804265	<0.2	1.1	1.2	1.2					
						4.3	0.4	217	21.3	21.3	8.0	8.0	31.6	31.6	100.7	100.7	7.4	5.0	4	90	89	815638	804265	<0.2	1.2	1.2	1.2					
					Bottom	7.5	0.3	212	21.2	21.2	8.0	8.0	31.8	31.8	96.4	96.4	7.1	7.1	11.7	3	91	89	815638	804265	<0.2	1.2	1.2	1.2				
						7.5	0.3	230	21.2	21.2	8.0	8.0	31.8	31.8	96.4	96.4	7.1	11.7	3	92	89	815638	804265	<0.2	1.2	1.2	1.2					
C2	Cloudy	Moderate	16:13	12.4	Surface	1.0	0.1	201	21.5	21.5	8.1	8.1	21.6	21.6	98.5	98.5	7.7	2.8	4	86	88	825684	806951	<0.2	1.4	1.4	1.4					
						1.0	0.2	218	21.5	21.5	8.1	8.1	21.6	98.4	7.7	2.9	4	85														
					Middle	6.2	0.3	170	21.3	21.3	8.1	8.1	28.9	28.9	89.8	89.8	6.7	8.0	4	88	88	825684	806951	<0.2	1.5	1.4	1.4					
						6.2	0.3	183	21.3	21.3	8.1	8.1	29.0	89.6	6.7	8.6	4	88														
					Bottom	11.4	0.2	174	21.2	21.2	8.1	8.1	29.6	29.6	89.3	89.3	6.7	13.0	3	90	88	825684	806951	<0.2	1.4	1.4	1.4					
						11.4	0.2	177	21.2	21.2	8.1	8.1	29.6	89.5	6.7	12.9	3	90														
C3	Cloudy	Moderate	17:45	12.0	Surface	1.0	0.3	95	21.4	21.4	8.1	8.1	28.4	28.4	93.3	93.3	7.0	2.9	3	87	88	822117	817817	<0.2	1.4	1.4	1.4					
						1.0	0.3	95	21.4	21.4	8.1	8.1	28.5	93.2	7.0	3.0	3	86														
					Middle	6.0	0.2	77	21.3	21.3	8.1	8.1	29.1	29.1	91.9	91.8	6.9	3.2	3	89	88	822117	817817	<0.2	1.5	1.4	1.4					
						6.0	0.2	78	21.3	21.3	8.1	8.1	29.1	91.7	6.9	3.2	3	88														
					Bottom	11.0	0.3	41	21.2	21.2	8.1	8.1	30.1	30.1	91.2	91.3	6.8	5.5	4	90	88	822117	817817	<0.2	1.4	1.4	1.4					
						11.0	0.3	43	21.2	21.2	8.1	8.1	30.1	91.4	6.8	5.8	4	90														
IM1	Cloudy	Moderate	17:00	5.0	Surface	1.0	0.2	184	21.6	21.6	8.1	8.1	28.4	28.4	100.9	100.9	7.5	5.6	4	88	89	817936	807146	<0.2	1.0	1.0	1.0					
						1.0	0.2	187	21.6	21.6	8.1	8.1	28.4	100.8	7.5	5.5	4	88														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.0	0.1	187	21.2	21.2	8.1	8.1	30.6	30.5	95.4	95.4	7.1	7.1	14.5	3	89	88	817936	807146	<0.2	1.0	1.0	1.0				
						4.0	0.1	187	21.2	21.2	8.1	8.1	30.5	95.4	7.1	14.5	3	89														
IM2	Cloudy	Moderate	16:53	7.1	Surface	1.0	0.2	197	21.5	21.5	8.1	8.1	28.5	28.5	101.2	101.3	7.6	7.9	3	87	89	818176	806166	<0.2	1.0	1.0	1.0					
						1.0	0.2	199	21.5	21.5	8.1	8.1	28.5	101.3	7.6	7.8	4	87														
					Middle	3.6	0.1	134	21.3	21.3	8.1	8.1	30.7	30.7	101.6	101.5	7.5	5.5	4	89	88	818176	806166	<0.2	1.0	1.0	1.0					
						3.6	0.1	140	21.3	21.3	8.1	8.1	30.7	101.4	7.5	5.7	4	90														
					Bottom	6.1	0.1	146	21.3	21.3	8.1	8.1	31.5	31.5	96.1	96.1	7.1	7.1	13.2	4	90	88	818176	806166	<0.2	1.0	1.0	1.0				
						6.1	0.1	160	21.3	21.3	8.1	8.1	31.5	96.0	7.1	13.4	4	91														
IM3	Cloudy	Moderate	16:46	7.3	Surface	1.0	0.1	177	21.4	21.4	8.1	8.1	28.7	28.7	100.2	100.3	7.5	6.3	4	87	88	818766	805579	<0.2	1.7	1.7	1.7					
						1.0	0.1	184	21.4	21.4	8.1	8.1	28.7	100.3	7.5	6.2	5	87														
					Middle	3.7	0.1	155	21.3	21.3	8.1	8.1	29.5	29.5	102.5	102.6	7.7	4.7	5	88	88	818766	805579	<0.2	1.7	1.7	1.7					
						3.7	0.2	162	21.3	21.3	8.1	8.1	29.5	102.6	7.7	4.6	5	89														
					Bottom	6.3	0.2	133	21.3	21.3	8.1	8.1	31.5	31.5	96.1	96.1	7.1	7.1	9.7	5	90	88	818766	805579	<0.2	1.6	1.4	1.4				
						6.3	0.2	145	21.3	21.3	8.1	8.1	31.5	96.1	7.1	9.7	6	90														
IM4	Cloudy	Moderate	16:37	8.2	Surface	1.0	0.4	201	21.4	21.5	8.0	8.0	28.7	28.6	98.7	98.8	7.4	5.2	3	86	88	819707	804586	<0.2	1.8	1.7	1.7					
						1.0	0.4	207	21.5	21.5	8.0	8.0	28.6	98.9	7.4	5.0	3	87														
					Middle	4.1	0.2	149	21.3	21.3	8.1	8.1	30.9	30.9	98.6	98.6	7.3	5.7	3	89	88	819707	804586	<0.2	1.8	1.7	1.7					
						4.1	0.2	152	21.3	21.3	8.1	8.1	30.8	98.5	7.3	5.7	2	89														
					Bottom	7.2	0.2	163	21.3	21.3	8.1	8.1	31.6	31.6	95.9	95.9	7.1	7.1	2	89	88	819707	804586	<0.2	1.7	1.7	1.7					
						7.2	0.2	166	21.3	21.3	8.1	8.1	31.6	95.9	7.1	7.1	2	90														
IM5	Cloudy	Moderate	16:29	7.7	Surface	1.0	0.4	239	21.7	21.7	8.0	8.0	25.2	25.2	101.4	101.4	7.7	4.0	3	86	88	820714	804888	<0.2	1.7	1.6	1.6					
						1.0	0.4	250	21.7	21.7	8.0	8.0	25.2	101.3	7.7	4.0	4	86														
					Middle	3.9	0.3	220	21.3	21.3	8.0	8.0	29.6	29.5	96.9	96.9	7.2	11.0	3	88	88	820714	804888	<0.2	1.6	1.6	1.6					
						3.9	0.3	224	21.3	21.3	8.0	8.0	29.5	96.9	7.2	11.1	3	88														
					Bottom	6.7	0.2	174	21.3	21.3	8.0	8.0	31.3	31.3	95.1	95.1	7.0	8.1	3	89	88	820714	804888	<0.2	1.8	1.6	1.6					
						6.7	0.2	176	21.3	21.3	8.0	8.0	31.3	95.1	7.0	8.2	3	89														
IM6	Cloudy	Moderate	16:21	7.3	Surface	1.0	0.3	241	21.4	21.4	8.0	8.0	26.5	26.5	99.9	99.9	7.6	5.0	3	86	88	821048	805826	<0.2	1.3	1.3	1.3					
						1.0	0.3	251	21.4	21.4	8.0	8.0	26.5	99.8	7.6	5.0	3	86														
					Middle	3.7	0.1	232	21.3	21.3	8.0	8.0	29.4	29.4	96.8	96.8	7.2	6.7	4	88	88	821048	805826	<0.2	1.2	1.3	1.3					
						3.7	0.1	249	21.3	21.3	8.0	8.0	29.4	96.7	7.2	6.7	3	88														
					Bottom	6.3	0.1	198	21.3	21.3	8.0	8.0	30.9	30.9	95.7	95.7	7.1	7.3	4	89	88	821048	805826	<0.2	1.3	1.3	1.3					
						6.3	0.2	212	21.3	21.3	8.0	8.0	30.9	95.7	7.1	7.4	4	89														
IM7	Cloudy	Moderate	16:12	8.6	Surface	1.0	0.2	244	21.6	21.6	7.9	7.9	23.8	23.8	99.8	99.7	7.7	3.9	4	85	88	821326	806853	<0.2	1.5	1.5	1.5					
						1.0	0.2	251	21.6	21.6	7.9	7.9	23.9	99.5	7.6	3.9	4	85														
					Middle	4.3	0.1	104	21.3	21.3	7.9	7.9	29.5	29.5	96.2	96.3	7.2	7.6	4	88	88	821326	806853	<0.2	1.5	1.5	1.5					
						4.3	0.1	113	21.3	21.3	7.9	7.9	29.5	96.3	7.2	7.5	4	88														
					Bottom	7.6	0.1	93	21.3	21.3	7.9	7.9	30.1	30.1	95.5	95.5	7.1	10.0	3	89	88	821326	806853	<0.2	1.5	1.5	1.5					
						7.6	0.1	94	21.3	21.3	7.9	7.9	30.1	95.5	7.1	9.9	3	90														
IM8	Cloudy	Moderate	16:32	8.0	Surface	1.0	0.1	145	21.6	21.6	8.1	8.1	24.0	24.1	100.3	100.2	7.7	2.6	3	86	88	821815	808151	<0.2	1.3	1.3	1.3					
						1.0	0.1																									

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

Water Quality Monitoring Results on 14 April 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
IM9	Cloudy	Moderate	16:37	7.7	Surface	1.0	0.3	139	21.6	21.6	8.1	8.1	23.9	24.0	100.3	100.1	7.7	7.7	2.5	3	87	87	89	822112	808800	<0.2	1.5	<0.2	1.5		
						1.0	0.3	151	21.6	8.1	8.1	24.1	24.0	99.8	99.7	7.7	7.6	2.6	3	87	87	89	822112	808800	<0.2	1.5	<0.2	1.5			
						3.9	0.2	115	21.5	21.5	8.1	8.1	24.7	24.7	97.9	97.7	7.5	7.5	3.2	4	88	88	89	822112	808800	<0.2	1.5	<0.2	1.5		
					Bottom	3.9	0.2	123	21.5	21.5	8.1	8.1	24.7	24.7	97.5	97.5	7.5	7.5	3.5	3	89	89	89	822112	808800	<0.2	1.5	<0.2	1.5		
						6.7	0.3	92	21.4	21.4	8.1	8.1	29.5	29.4	96.3	96.4	7.2	7.2	6.3	5	90	90	89	822112	808800	<0.2	1.5	<0.2	1.5		
						6.7	0.3	99	21.4	21.4	8.1	8.1	29.4	29.4	96.4	96.4	7.2	7.2	6.4	5	91	91	89	822112	808800	<0.2	1.5	<0.2	1.5		
IM10	Cloudy	Moderate	16:43	7.2	Surface	1.0	0.4	110	21.6	21.6	8.1	8.1	24.4	24.3	97.9	97.7	7.5	7.5	2.4	3	86	86	88	822399	809796	<0.2	1.4	<0.2	1.4		
						1.0	0.4	119	21.6	21.6	8.1	8.1	24.2	24.3	97.5	97.5	7.5	7.4	2.4	3	87	87	88	822399	809796	<0.2	1.4	<0.2	1.4		
						3.6	0.4	94	21.4	21.4	8.1	8.1	25.5	25.5	96.3	96.3	7.3	7.3	2.5	4	88	88	88	822399	809796	<0.2	1.5	<0.2	1.5		
					Bottom	3.6	0.4	96	21.4	21.4	8.1	8.1	25.5	25.5	96.3	96.3	7.3	7.3	2.5	3	87	87	88	822399	809796	<0.2	1.4	<0.2	1.4		
						6.2	0.3	72	21.4	21.4	8.1	8.1	28.7	28.8	96.2	96.4	7.2	7.2	5.7	4	90	90	89	822399	809796	<0.2	1.4	<0.2	1.4		
						6.2	0.4	76	21.4	21.4	8.1	8.1	28.9	28.9	96.5	96.5	7.2	7.2	6.0	4	91	91	89	822399	809796	<0.2	1.5	<0.2	1.5		
IM11	Cloudy	Moderate	16:52	8.4	Surface	1.0	0.6	100	21.6	21.6	8.1	8.1	24.6	24.7	99.4	99.3	7.6	7.6	2.6	3	86	86	89	822051	811440	<0.2	1.5	<0.2	1.5		
						1.0	0.6	103	21.6	21.6	8.1	8.1	24.7	24.7	99.1	99.1	7.6	7.3	2.6	3	87	87	89	822051	811440	<0.2	1.5	<0.2	1.5		
						4.2	0.6	93	21.4	21.4	8.1	8.1	25.5	25.5	92.9	92.7	7.1	7.1	4.0	4	89	89	89	822051	811440	<0.2	1.4	<0.2	1.4		
					Bottom	4.2	0.6	97	21.4	21.4	8.1	8.1	25.6	25.6	92.4	92.4	7.0	7.0	4.4	4	88	88	89	822051	811440	<0.2	1.5	<0.2	1.5		
						7.4	0.3	90	21.3	21.3	8.1	8.1	28.6	28.6	91.4	91.4	6.9	6.9	6.4	4	90	90	89	822051	811440	<0.2	1.5	<0.2	1.5		
						7.4	0.3	98	21.3	21.3	8.1	8.1	28.6	28.6	91.6	91.5	6.9	6.9	6.4	4	91	91	89	822051	811440	<0.2	1.5	<0.2	1.5		
IM12	Cloudy	Moderate	16:58	8.8	Surface	1.0	0.6	97	21.6	21.6	8.1	8.1	24.3	24.3	97.9	97.8	7.5	7.5	3.1	4	87	87	89	821467	812026	<0.2	1.5	<0.2	1.5		
						1.0	0.6	105	21.6	21.6	8.1	8.1	24.3	24.3	97.7	97.7	7.5	7.2	3.4	4	86	86	89	821467	812026	<0.2	1.5	<0.2	1.5		
						4.4	0.5	86	21.3	21.3	8.1	8.1	27.1	27.1	91.9	91.8	7.0	7.0	4.3	4	88	88	89	821467	812026	<0.2	1.4	<0.2	1.4		
					Bottom	4.4	0.5	91	21.3	21.3	8.1	8.1	27.1	27.1	91.7	91.7	6.9	6.9	4.4	4	89	89	89	821467	812026	<0.2	1.4	<0.2	1.4		
						7.8	0.3	72	21.3	21.3	8.1	8.1	28.4	28.4	91.6	91.7	6.9	6.9	4.5	4	91	91	89	821467	812026	<0.2	1.4	<0.2	1.4		
						7.8	0.3	75	21.3	21.3	8.1	8.1	28.4	28.4	91.7	91.7	6.9	6.9	4.6	3	91	91	89	821467	812026	<0.2	1.3	<0.2	1.3		
SR1A	Cloudy	Moderate	17:15	5.0	Surface	1.0	-	-	21.5	21.5	8.1	8.1	25.7	25.7	92.6	92.5	7.0	7.0	3.7	3	-	-	-	819979	812657	-	-	-	-		
						1.0	-	-	21.5	21.5	8.1	8.1	25.7	25.7	92.3	92.3	7.0	7.0	3.8	3	-	-	-	819979	812657	-	-	-	-		
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812657	-	-	-	-
					Bottom	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812657	-	-	-	-
						4.0	-	-	21.3	21.3	8.0	8.0	28.3	28.3	91.9	92.0	6.9	6.9	3.8	4	-	-	-	-	-	819979	812657	-	-	-	-
						4.0	-	-	21.3	21.3	8.0	8.0	28.3	28.3	92.1	92.0	6.9	6.9	3.9	4	-	-	-	-	-	819979	812657	-	-	-	-
SR2	Cloudy	Moderate	17:26	4.4	Surface	1.0	0.4	70	21.5	21.5	8.1	8.1	26.1	26.2	95.9	96.0	7.3	7.3	2.9	3	88	88	89	821450	814159	<0.2	1.4	<0.2	1.4		
						1.0	0.5	76	21.5	21.5	8.1	8.1	26.2	26.2	96.0	96.0	7.3	7.3	2.9	4	88	88	89	821450	814159	<0.2	1.4	<0.2	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814159	<0.2	1.4	<0.2	1.4
					Bottom	3.4	0.3	68	21.5	21.5	8.1	8.1	27.3	27.2	97.4	97.6	7.4	7.4	3.0	3	90	90	89	821450	814159	<0.2	1.4	<0.2	1.4		
						3.4	0.3	72	21.4	21.4	8.1	8.1	27.0	27.2	97.8	97.6	7.4	7.4	2.9	3	91	91	89	821450	814159	<0.2	1.4	<0.2	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814159	<0.2	1.4	<0.2	1.4
SR3	Cloudy	Moderate	16:26	8.8	Surface	1.0	0.1	232	21.6	21.6	8.1	8.1	24.3	24.3	99.0	98.9	7.6	7.6	2.5	4	-	-	-	822151	807579	-	-	-	-		
						1.0	0.1	254	21.6	21.6	8.1	8.1	24.3	24.3	98.8	98.8	7.6	7.6	2.5	4	-	-	-	822151	807579	-	-	-	-		
						4.4	0.1	191	21.3	21.3	8.1	8.1	28.0	28.0	95.2	95.4	7.2	7.2	4.4	4	-	-	-	822151	807579	-	-	-	-		
					Bottom	4.4	0.1	194	21.3	21.3	8.1	8.1	28.0	28.0	95.5	95.5	7.2	7.2	4.6	4	-	-	-	822151	807579	-	-	-	-		
						7.8	0.1	121	21.3	21.3	8.1	8.1	29.3	29.4	97.4	97.5	7.3	7.3	7.3	3	-	-	-	822151	807579	-	-	-	-		
						7.8	0.1	131	21.3	21.3	8.1	8.1	29.4	29.4	97.6	97.5	7.3	7.3	7.3	3	-	-	-	822151	807579	-	-	-	-		
SR4A	Cloudy	Moderate	17:43	9.2	Surface	1.0	0.1	57	21.6	21.6	8.0	8.0	27.5	27.5	103.2	103.2	7.7	7.7	7.2	3	-	-	-	817185	807795	-	-	-	-		
						1.0	0.1	57	21.6	21.6	8.0	8.0	27.5	27.5	103.2	103.2	7.7	7.7	7.1	3	-	-	-	817185	807795	-	-	-	-		
						4.6	0.1	74	21.3	21.3	8.0	8.0	30.5	30.5	96.3	96.3	7.2	7.2	8.8	3	-	-	-	817185	807795	-	-	-	-		
					Bottom	4.6	0.1	78	21.3	21.3	8.0	8.0	30.5	30.5	96.3	96.3	7.2	7.2	8.7	3	-	-	-	817185	807795	-	-	-	-		
						8.2	0.1	71	21.3	21.3	7.9	7.9	30.8	30.8	95.1	95.1	7.1	7.1	11.8	4	-	-	-	817185	807795	-	-	-	-		
						8.2	0.1	74	21.3	21.3	7.9	7.9	30.8	30.8	95.1	95.1	7.1	7.1	11.8	4	-	-	-	817185	807795	-	-	-	-		
SR5A	Cloudy	Moderate	18:00	3.9	Surface	1.0	0.0	61	21.6	21.6	8.1	8.1	27.4	27.4	100.9	100.8	7.6	7.6	5.8	5	-	-	-	816577	810682	-	-	-	-		
						1.0	0.0	63	21.6	21.6	8.1	8.1	27.4	27.4</																	







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

Water Quality Monitoring

Water Quality Monitoring Results on 16 April 20 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	Cloudy	Moderate	19:25	7.4	Surface	1.0	0.2	116	22.8	22.7	8.1	8.1	22.4	22.4	109.7	109.6	8.3	2.8	7	85	88	822109	808800	<0.2	1.6	<0.2	1.6					
						1.0	0.2	126	22.6	8.1	8.1	22.5	22.5	109.4	109.4	8.3	2.9	6	85	88												
						3.7	0.3	121	21.9	21.9	8.1	8.1	25.1	25.1	103.0	103.0	7.8	5.1	6	88	89											
					3.7	0.3	129	21.9	21.9	8.1	8.1	25.1	25.1	102.9	102.9	7.8	5.8	4	89	89												
					6.4	0.3	74	21.6	21.6	8.1	8.1	28.6	28.6	98.9	99.1	7.4	9.9	6	90	90												
					6.4	0.3	77	21.6	21.6	8.1	8.1	28.5	28.5	99.2	99.2	7.4	9.9	5	90	90												
IM10	Cloudy	Moderate	19:32	6.7	Surface	1.0	0.5	118	23.0	23.0	8.1	8.1	21.1	21.1	109.2	109.0	8.3	2.3	6	85	88	822377	809796	<0.2	1.6	<0.2	1.6					
						1.0	0.5	122	23.0	23.0	8.1	8.1	21.1	21.1	108.8	108.8	8.3	2.2	6	85	89											
						3.4	0.5	110	21.8	21.8	8.1	8.1	25.7	25.7	97.9	97.8	7.4	5.8	5	89	89											
					3.4	0.5	115	21.7	21.7	8.1	8.1	25.8	25.8	97.6	97.6	7.4	6.2	5	89	89												
					5.7	0.4	96	21.6	21.6	8.1	8.1	27.7	27.7	98.4	98.6	7.4	12.1	5	90	90												
					5.7	0.4	99	21.6	21.6	8.1	8.1	27.7	27.7	98.8	98.8	7.4	11.9	5	90	90												
IM11	Cloudy	Moderate	19:43	8.2	Surface	1.0	0.6	116	23.0	23.0	8.1	8.1	21.6	21.6	107.7	107.6	8.2	2.2	4	87	89	822063	811443	<0.2	1.8	<0.2	1.7					
						1.0	0.6	123	23.0	23.0	8.1	8.1	21.6	21.6	107.4	107.4	8.1	2.2	5	87	89											
						4.1	0.4	113	21.6	21.6	8.1	8.1	27.2	27.2	94.1	94.0	7.1	5.2	5	89	89											
					4.1	0.4	119	21.6	21.6	8.1	8.1	27.3	27.3	93.5	94.7	7.1	5.6	5	89	89												
					7.2	0.3	114	21.6	21.6	8.1	8.1	27.8	27.8	94.7	95.1	7.2	7.9	5	90	90												
					7.2	0.3	115	21.6	21.6	8.1	8.1	27.8	27.8	95.5	95.5	7.2	7.9	4	90	90												
IM12	Cloudy	Moderate	19:49	9.3	Surface	1.0	0.5	112	22.8	22.8	8.1	8.1	22.1	22.1	108.9	108.8	8.3	2.3	5	86	88	821470	812064	<0.2	1.7	<0.2	1.7					
						1.0	0.5	119	22.8	22.8	8.1	8.1	22.1	22.1	108.7	108.7	8.3	2.4	5	86	88											
						4.7	0.4	112	21.8	21.8	8.1	8.1	26.0	26.1	96.5	96.1	7.3	4.1	4	88	88											
					4.7	0.5	115	21.8	21.8	8.1	8.1	26.3	26.3	95.7	96.2	7.2	4.3	6	88	88												
					8.3	0.4	105	21.6	21.6	8.1	8.1	27.5	27.5	94.4	94.5	7.1	5.1	5	89	89												
					8.3	0.4	114	21.6	21.6	8.1	8.1	27.5	27.5	94.6	94.6	7.1	4.9	6	89	89												
SR1A	Cloudy	Calm	20:12	5.0	Surface	1.0	-	-	22.6	22.6	8.1	8.1	24.0	24.0	102.3	102.3	7.7	3.7	5	-	-	819973	812663	-	-	-	-					
						1.0	-	-	22.6	22.6	8.1	8.1	24.0	24.0	102.2	102.2	7.7	3.8	6	-	-											
						2.5	-	-	-	-	-	-	-	-	-	-	7.7	3.8	6	-	-											
					2.5	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-												
					4.0	-	-	21.8	21.9	8.1	8.1	26.5	26.5	94.2	94.2	7.1	4.5	5	-	-												
					4.0	-	-	21.9	21.9	8.1	8.1	26.5	26.5	94.2	94.2	7.1	4.6	6	-	-												
SR2	Cloudy	Moderate	20:24	4.6	Surface	1.0	0.4	91	22.4	22.4	8.1	8.1	23.8	23.8	104.1	104.0	7.9	2.4	5	84	86	821477	814170	<0.2	1.8	<0.2	1.7					
						1.0	0.4	93	22.4	22.4	8.1	8.1	23.8	23.8	103.9	103.9	7.9	2.4	5	84	86											
						-	-	-	-	-	-	-	-	-	-	-	7.9	2.4	5	84	86											
					3.6	0.3	91	21.7	21.7	8.1	8.1	27.0	27.0	97.5	97.7	7.3	3.3	6	87	88												
					3.6	0.3	91	21.7	21.7	8.1	8.1	27.0	27.0	97.9	97.9	7.4	3.3	5	88	88												
					-	-	-	-	-	-	-	-	-	-	-	-	-	5	88	88												
SR3	Cloudy	Moderate	19:13	9.0	Surface	1.0	0.0	201	22.3	22.3	8.1	8.1	22.0	22.0	108.1	107.9	8.3	2.7	6	-	-	822170	807569	-	-	-	-					
						1.0	0.0	208	22.2	22.2	8.1	8.1	22.0	22.0	107.7	107.7	8.3	2.8	5	-	-											
						4.5	0.2	158	21.7	21.7	8.1	8.1	26.6	26.6	98.4	98.3	7.4	3.2	6	-	-											
					4.5	0.2	171	21.7	21.7	8.1	8.1	26.6	26.6	98.2	98.3	7.4	3.3	6	-	-												
					8.0	0.0	149	21.6	21.6	8.1	8.1	29.5	29.5	97.1	97.2	7.2	13.1	5	-	-												
					8.0	0.0	151	21.6	21.6	8.1	8.1	29.5	29.5	97.3	97.2	7.2	12.6	5	-	-												
SR4A	Cloudy	Calm	20:42	8.8	Surface	1.0	0.2	259	21.8	21.8	8.1	8.1	27.3	27.3	101.1	101.1	7.6	2.8	6	-	-	817188	807803	-	-	-	-					
						1.0	0.2	259	21.8	21.8	8.1	8.1	27.3	27.3	101.0	101.0	7.6	2.8	7	-	-											
						4.4	0.1	65	21.8	21.8	8.1	8.1	27.9	27.9	100.8	100.8	7.6	3.7	6	-	-											
					4.4	0.1	71	21.8	21.8	8.1	8.1	27.9	27.9	100.8	100.8	7.6	3.7	5	-	-												
					7.8	0.0	61	21.8	21.8	8.1	8.1	29.5	29.5	100.3	100.3	7.4	4.1	5	-	-												
					7.8	0.0	66	21.8	21.8	8.1	8.1	29.5	29.5	100.3	100.3	7.4	4.1	5	-	-												
SR5A	Cloudy	Calm	21:01	3.7	Surface	1.0	0.1	308	21.8	21.8	8.1	8.1	28.5	28.5	101.3	101.3	7.6	2.3	6	-	-	816578	810709	-	-	-	-					
						1.0	0.1	312	21.8	21.8	8.1	8.1	28.5	28.5	101.3	101.3	7.6	2.2	7	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-											
					2.7	0.1	304	21.8	21.8	8.1	8.1	29.9	29.9	100.8	100.8	7.5	4.0	6	-	-												
					2.7	0.1	317	21.8	21.8	8.1	8.1	29.9	29.9	100.7	100.7	7.5	4.0	7	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-												
SR6A	Cloudy	Calm	21:29	3.9	Surface	1.0	0.0	316	21.8	21.8	8.1	8.1	27.9	28.0	101.3	101.3	7.6	2.2	9	-	-	817980	814722	-	-	-	-					
						1.0	0.0	341	21.8	21.8	8.1	8.1	28.0	28.0	101.3	101.3	7.6	2.2	10	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-											
					2.9	0.0	240	21.8	21.8	8.1	8.1	28.4	28.4	101.1	101.1	7.6	3.2	10	-	-												
					2.9	0.0	246	21.8	21.8	8.1	8.1	28.4	28.4	101.1	101.1	7.6	3.2	9	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-												
SR7	Cloudy	Moderate	21:13	15.9	Surface	1.0	0.4	109	22.5	22.5	8.1	8.1	25.2	25.2	106.4	106.4	8.0	1.7	4	-	-	823654	823735	-	-	-	-					
						1.0	0.5	117	22.5	22.5	8.1	8.1	25.2	25.2	106.3	106.3	8.0	1.7	3	-	-											
						8.0	0.4	95	22.0	22.0	8.1	8.1	26.8	26.9	101.2	100.9	7.6	1.9	5	-	-											
					8.0	0.5	99	22.0	22.0	8.1	8.1	26.9	26.9	100.6	100.6	7.5	1.9	5	-	-												
					14.9	0.4	92	21.7	21.7	8.1	8.1	29.0	28.9	96.6	96.7	7.2	2.4	5	-	-												
					14.9	0.4	97	21.7	21.7	8.1	8.1	28.8	28.8	96.8	96.7	7.2	2.4	4	-	-												
SR8	Cloudy	Calm	20:02	5.2	Surface	1.0	-	-	22.7	22.7	8.1	8.1	23.7	23.8	103.2	103.0	7.8	3.6	5	-	-	820398	811620	-	-	-	-					
						1.0	-	-	22.7	22.7	8.1	8.1	23.9	23.8	102.7	102.7	7.7	3.8	5	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-											
					4.2																											

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

**Water Quality Monitoring Results on 16 April 20 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
C1	Fine	Moderate	08:30	8.3	Surface	1.0	0.1	29	21.7	21.7	8.1	8.1	24.2	24.2	89.5	89.6	6.9	6.9	3.0	3.1	4	4	84	84	87	87	<0.2	<0.2	1.5	1.5				
						1.0	0.1	30	21.7	21.7	8.1	8.1	24.2	24.2	89.7	89.7	6.9	6.9	3.1	3.1	4	4	84	84	87	87	<0.2	<0.2	1.5	1.5				
					Middle	4.2	0.1	43	21.8	21.8	8.1	8.1	25.7	25.7	90.6	90.6	6.9	6.9	6.1	6.2	4	4	87	87	87	87	<0.2	<0.2	1.4	1.5				
						4.2	0.1	47	21.8	21.8	8.1	8.1	25.6	25.6	90.6	90.6	6.9	6.9	6.2	6.2	4	4	87	87	87	87	<0.2	<0.2	1.5	1.5				
					Bottom	7.3	0.1	54	21.8	21.8	8.1	8.1	26.8	26.8	93.1	93.1	7.0	7.0	10.5	10.5	5	5	89	89	89	89	<0.2	<0.2	1.5	1.5				
						7.3	0.1	54	21.8	21.8	8.1	8.1	26.8	26.8	93.1	93.1	7.0	7.0	10.8	10.8	5	5	89	89	89	89	<0.2	<0.2	1.5	1.5				
C2	Cloudy	Moderate	09:31	12.0	Surface	1.0	0.1	88	21.7	21.7	8.1	8.1	23.0	23.0	94.0	93.8	7.2	7.2	3.2	3.2	4	4	86	86	89	89	<0.2	<0.2	2.1	2.0				
						1.0	0.1	89	21.7	21.7	8.1	8.1	23.0	23.0	93.5	93.5	7.2	7.2	3.2	3.2	4	4	86	86	89	89	<0.2	<0.2	1.9	2.1				
					Middle	6.0	0.1	157	21.5	21.5	8.1	8.0	27.0	27.0	89.5	89.4	6.8	6.8	3.9	3.9	4	4	89	89	89	89	<0.2	<0.2	2.1	2.0				
						6.0	0.1	159	21.4	21.4	8.0	8.0	27.0	27.0	89.2	89.2	6.7	6.7	4.4	4.4	5	5	89	89	90	90	<0.2	<0.2	2.0	2.0				
					Bottom	11.0	0.2	156	21.3	21.3	8.0	8.0	30.4	30.4	84.6	84.8	6.3	6.3	8.3	8.3	4	4	90	90	90	90	<0.2	<0.2	2.0	2.0				
						11.0	0.3	161	21.3	21.3	8.0	8.0	30.4	30.4	84.9	84.9	6.3	6.3	8.7	8.7	5	5	91	91	91	91	<0.2	<0.2	2.0	2.0				
C3	Cloudy	Moderate	07:24	12.2	Surface	1.0	0.2	228	21.3	21.3	8.1	8.1	25.1	25.1	95.2	95.1	7.3	7.3	1.6	1.6	3	3	82	82	85	85	<0.2	<0.2	1.6	1.6				
						1.0	0.2	250	21.3	21.3	8.1	8.1	25.0	25.0	95.0	95.0	7.3	7.3	1.6	1.6	4	4	83	83	84	84	<0.2	<0.2	1.7	1.7				
					Middle	6.1	0.3	254	21.3	21.3	8.1	8.1	31.3	31.3	90.9	91.0	6.7	6.7	2.6	2.6	3	3	84	84	85	85	<0.2	<0.2	1.8	1.8				
						6.1	0.4	267	21.3	21.3	8.1	8.1	31.3	31.3	91.0	91.0	6.7	6.7	2.8	2.8	4	4	85	85	90	90	<0.2	<0.2	1.8	1.8				
					Bottom	11.2	0.2	272	21.2	21.2	8.1	8.1	31.4	31.4	91.7	91.8	6.8	6.8	3.9	3.9	4	4	86	86	88	88	<0.2	<0.2	1.8	1.8				
						11.2	0.2	290	21.2	21.2	8.1	8.1	31.4	31.4	91.9	91.8	6.8	6.8	4.0	4.0	5	5	90	90	90	90	<0.2	<0.2	1.8	1.8				
IM1	Fine	Moderate	08:10	4.9	Surface	1.0	0.0	315	21.8	21.8	8.1	8.1	26.9	26.9	94.2	94.2	7.1	7.1	5.8	5.8	4	4	84	84	87	87	<0.2	<0.2	1.4	1.4				
						1.0	0.0	332	21.8	21.8	8.1	8.1	26.9	26.9	94.1	94.1	7.1	7.1	6.2	6.2	5	5	84	84	87	87	<0.2	<0.2	1.4	1.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.9	0.0	8	21.9	21.9	8.1	8.1	27.6	27.6	93.8	93.8	7.0	7.0	3.7	3.7	6	6	87	87	87	87	<0.2	<0.2	1.4	1.4				
						3.9	0.0	8	21.9	21.9	8.1	8.1	27.6	27.6	93.8	93.8	7.0	7.0	3.6	3.6	6	6	87	87	87	87	<0.2	<0.2	1.5	1.5				
IM2	Fine	Moderate	08:01	6.8	Surface	1.0	0.1	312	21.8	21.8	8.0	8.0	24.9	24.9	89.5	89.5	6.8	6.8	2.3	2.3	5	5	85	85	87	87	<0.2	<0.2	1.5	1.5				
						1.0	0.1	317	21.8	21.8	8.0	8.0	24.9	24.9	89.4	89.4	6.8	6.8	2.3	2.3	4	4	85	85	87	87	<0.2	<0.2	1.5	1.5				
					Middle	3.4	0.2	37	21.8	21.8	8.1	8.1	25.6	25.6	89.5	89.6	6.8	6.8	2.7	2.7	4	4	87	87	87	87	<0.2	<0.2	1.6	1.6				
						3.4	0.2	38	21.8	21.8	8.1	8.1	25.6	25.6	89.6	89.6	6.8	6.8	2.8	2.8	4	4	87	87	89	89	<0.2	<0.2	1.6	1.6				
					Bottom	5.8	0.1	42	21.8	21.8	8.1	8.1	27.5	27.5	90.3	90.3	6.8	6.8	4.8	4.8	4	4	89	89	89	89	<0.2	<0.2	1.6	1.6				
						5.8	0.1	45	21.8	21.8	8.1	8.1	27.5	27.5	90.3	90.3	6.8	6.8	4.8	4.8	5	5	89	89	89	89	<0.2	<0.2	1.6	1.6				
IM3	Fine	Moderate	07:56	7.0	Surface	1.0	0.1	307	21.9	21.9	8.1	8.1	24.6	24.6	93.0	93.0	7.1	7.1	3.2	3.2	6	6	84	84	87	87	<0.2	<0.2	1.4	1.4				
						1.0	0.1	311	21.9	21.9	8.1	8.1	24.6	24.6	93.0	93.0	7.1	7.1	3.2	3.2	6	6	84	84	87	87	<0.2	<0.2	1.4	1.4				
					Middle	3.5	0.1	41	21.9	21.9	8.1	8.1	27.2	27.2	92.8	92.8	7.0	7.0	3.4	3.4	5	5	86	86	87	87	<0.2	<0.2	1.4	1.4				
						3.5	0.1	42	21.9	21.9	8.1	8.1	27.2	27.2	92.8	92.8	7.0	7.0	3.5	3.5	6	6	87	87	89	89	<0.2	<0.2	1.4	1.4				
					Bottom	6.0	0.1	53	21.9	21.9	8.1	8.1	30.0	30.0	92.5	92.5	6.8	6.8	3.6	3.6	7	7	89	89	90	90	<0.2	<0.2	1.4	1.4				
						6.0	0.1	54	21.9	21.9	8.1	8.1	30.0	30.0	92.5	92.5	6.8	6.8	3.7	3.7	8	8	90	90	90	90	<0.2	<0.2	1.4	1.4				
IM4	Fine	Moderate	07:44	7.6	Surface	1.0	0.2	9	21.9	21.9	8.1	8.1	26.6	26.6	93.6	93.6	7.0	7.0	5.1	5.1	4	4	85	85	87	87	<0.2	<0.2	1.7	1.7				
						1.0	0.2	9	21.9	21.9	8.1	8.1	26.6	26.6	93.6	93.6	7.0	7.0	5.3	5.3	5	5	85	85	86	86	<0.2	<0.2	1.6	1.6				
					Middle	3.8	0.1	42	21.9	21.9	8.1	8.1	27.5	27.5	93.3	93.3	7.0	7.0	5.5	5.5	4	4	86	86	87	87	<0.2	<0.2	1.7	1.7				
						3.8	0.1	45	21.9	21.9	8.1	8.1	27.5	27.5	93.3	93.3	7.0	7.0	5.5	5.5	5	5	87	87	89	89	<0.2	<0.2	1.6	1.6				
					Bottom	6.6	0.1	38	21.8	21.8	8.1	8.1	28.4	28.4	93.1	93.1	6.9	6.9	8.6	8.6	5	5	89	89	89	89	<0.2	<0.2	1.6	1.6				
						6.6	0.1	38	21.8	21.8	8.1	8.1	28.5	28.5	93.1	93.1	6.9	6.9	8.9	8.9	5	5	90	90	89	89	<0.2	<0.2	1.7	1.7				
IM5	Fine	Moderate	07:37	7.2	Surface	1.0	0.3	340	21.8	21.8	8.1	8.1	23.4	23.4	93.5	93.5	7.2	7.2	5.0	5.0	5	5	84	84	86	86	<0.2	<0.2	1.8	1.8				
						1.0	0.3	355	21.9	21.9	8.1	8.1	23.4	23.4	93.5	93.5	7.2	7.2	5.0	5.0	6	6	84	84	86	86	<0.2	<0.2	1.8	1.8				
					Middle	3.6	0.1	332	21.9	21.9	8.1	8.1	28.5	28.5	93.3	93.3	6.9	6.9	5.2	5.2	5	5	86	86	86	86	<0.2	<0.2	1.8	1.8				
						3.6	0.1	343	21.9	21.9	8.1	8.1	28.5	28.5	93.3	93.3	6.9	6.9	5.3	5.3	4	4	86	86	89	89	<0.2	<0.2	1.8	1.8				
					Bottom	6.2	0.2	34	21.8	21.8	8.1	8.1	29.4	29.4	93.0	93.0	6.9	6.9	8.4	8.4	4	4	89	89	89	89	<0.2	<0.2	1.8	1.8				
						6.2	0.2																											



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

Water Quality Monitoring

Water Quality Monitoring Results on 18 April 20 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	11:33	8.3	Surface	1.0	0.1	79	22.5	8.2	8.2	23.8	23.7	116.1	115.8	8.8	8.1	5.5	5.3	9	10	85	89	815639	804256	<0.2	1.1	<0.2	1.2						
						1.0	0.1	85	22.5	8.2	8.2	23.7	23.7	115.5	115.8	8.7	8.1	5.5	5.3	10	10	86	89												
					4.2	0.1	100	21.7	8.2	8.2	30.9	30.9	101.6	101.7	7.5	7.7	3.8	3.9	9	9	90	91													
					4.2	0.1	100	21.7	8.2	8.2	30.9	30.9	101.7	101.7	7.5	7.7	3.9	3.9	9	9	90	91													
					7.3	0.0	88	21.6	8.1	8.1	31.6	31.6	105.5	105.6	7.7	7.8	6.5	6.5	10	10	89	91													
					7.3	0.0	91	21.6	8.1	8.1	31.6	31.6	105.7	105.7	7.7	7.8	6.5	6.5	11	11	91	91													
C2	Fine	Moderate	12:17	11.8	Surface	1.0	0.1	10	22.8	8.3	8.3	20.9	20.9	131.2	131.0	10.0	8.6	7.0	6.7	8	9	86	88	825665	806951	<0.2	1.4	<0.2	1.5						
						1.0	0.1	10	22.8	8.3	8.0	20.9	20.9	130.7	131.0	7.2	8.6	7.2	6.7	9	9	87	88												
					5.9	0.1	172	21.9	8.0	8.0	25.8	25.8	94.0	93.9	7.1	7.1	5.8	6.1	9	9	87	87													
					5.9	0.1	178	21.8	8.0	8.0	25.8	25.8	93.8	93.8	7.1	7.1	6.1	6.1	9	9	87	87													
					10.8	0.1	206	21.6	8.0	8.0	29.9	29.9	89.3	89.4	6.6	6.6	7.1	6.9	9	9	90	90													
					10.8	0.1	218	21.6	8.0	8.0	29.9	29.9	89.5	89.4	6.6	6.6	6.9	6.9	10	10	90	90													
C3	Fine	Moderate	10:23	12.6	Surface	1.0	0.2	39	22.7	8.3	8.3	24.2	23.9	133.3	132.8	10.0	8.7	2.9	3.3	6	6	86	88	822090	817820	<0.2	1.6	<0.2	1.5						
						1.0	0.2	41	22.6	8.3	8.1	23.6	23.9	132.3	132.8	2.9	3.3	5	6	87	88														
					6.3	0.2	51	21.8	8.1	8.1	30.5	30.5	101.2	101.2	7.4	7.4	2.9	2.9	6	6	88	88													
					6.3	0.2	55	21.8	8.1	8.1	30.5	30.5	101.2	101.2	7.4	7.4	2.9	2.9	6	6	88	88													
					11.6	0.1	45	21.6	8.1	8.1	31.4	31.4	97.5	97.6	7.2	7.2	3.9	4.2	6	6	90	91													
					11.6	0.2	45	21.6	8.1	8.1	31.4	31.4	97.6	97.6	7.2	7.2	4.2	4.2	6	6	91	91													
IM1	Fine	Moderate	11:56	5.1	Surface	1.0	0.1	180	23.2	8.2	8.2	24.2	24.2	134.7	134.6	10.0	10.0	12.4	13.8	8	10	86	88	817947	807132	<0.2	1.1	<0.2	1.1						
						1.0	0.1	191	23.2	8.2	8.2	24.2	24.2	134.5	134.6	10.0	10.0	12.6	13.8	9	10	86	88												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
					4.1	0.1	190	22.1	8.0	8.0	28.8	28.7	106.3	106.4	7.9	7.9	15.1	15.1	11	11	89	89													
					4.1	0.1	191	22.1	8.0	8.0	28.7	28.7	106.5	106.4	7.9	7.9	15.1	15.1	10	10	90	90													
IM2	Fine	Moderate	12:05	6.9	Surface	1.0	0.1	88	22.4	8.2	8.2	25.1	25.1	117.3	117.1	8.8	8.2	4.6	7.2	9	10	85	88	818186	806178	<0.2	1.0	<0.2	1.0						
						1.0	0.1	91	22.4	8.2	8.1	25.1	25.1	116.8	117.1	4.6	8.2	9	10	85	88														
					3.5	0.1	165	21.8	8.1	8.1	29.7	29.7	100.9	101.0	7.5	7.5	5.1	5.1	9	9	88	88													
					3.5	0.1	165	21.8	8.1	8.1	29.7	29.7	101.0	101.0	7.5	7.5	5.1	5.1	9	9	88	88													
					5.9	0.1	171	21.8	8.2	8.2	30.0	30.0	100.0	100.0	7.4	7.4	11.7	11.8	12	12	90	90													
					5.9	0.1	187	21.8	8.2	8.2	30.0	30.0	100.0	100.0	7.4	7.4	11.8	11.8	13	13	90	90													
IM3	Fine	Moderate	12:12	7.0	Surface	1.0	0.1	100	22.7	8.2	8.2	23.7	23.7	117.5	117.2	8.9	8.2	6.2	6.6	9	12	84	87	818789	805611	<0.2	1.0	<0.2	1.1						
						1.0	0.1	105	22.7	8.2	8.1	23.7	23.7	116.9	117.2	6.2	8.2	9	12	85	87														
					3.5	0.0	37	22.1	8.1	8.1	28.4	28.4	101.9	101.9	7.5	7.5	7.1	7.1	12	12	88	87													
					3.5	0.0	37	22.1	8.1	8.1	28.4	28.4	101.9	101.9	7.5	7.5	7.1	7.1	12	12	87	87													
					6.0	0.1	176	21.8	8.1	8.1	29.9	29.9	105.4	105.6	7.8	7.8	6.5	6.5	15	15	90	89													
					6.0	0.1	190	21.8	8.1	8.1	29.9	29.9	105.7	105.6	7.8	7.8	6.5	6.5	14	14	89	89													
IM4	Fine	Moderate	12:22	7.8	Surface	1.0	0.1	160	22.5	8.1	8.1	24.5	24.4	105.6	105.6	7.9	7.8	6.6	8.7	9	10	85	87	819711	804604	<0.2	1.4	<0.2	1.4						
						1.0	0.1	171	22.5	8.1	8.2	24.4	24.4	105.5	105.6	6.6	8.7	8	10	85	87														
					3.9	0.1	155	22.2	8.2	8.2	27.8	27.8	103.1	103.1	7.6	7.6	8.4	8.4	10	10	87	87													
					3.9	0.1	166	22.2	8.2	8.2	27.8	27.8	103.1	103.1	7.7	7.7	8.4	8.4	9	9	87	87													
					6.8	0.1	132	22.0	8.1	8.1	28.7	28.7	99.9	100.0	7.4	7.4	10.9	11.2	11	11	89	89													
					6.8	0.1	135	22.0	8.1	8.1	28.7	28.7	100.0	100.0	7.4	7.4	11.2	11.2	10	10	89	89													
IM5	Fine	Moderate	12:31	7.1	Surface	1.0	0.2	214	22.8	8.2	8.2	23.4	23.4	125.2	125.1	9.4	8.7	6.1	6.4	12	11	84	87	820742	804847	<0.2	1.3	<0.2	1.2						
						1.0	0.2	230	22.8	8.2	8.2	23.4	23.4	124.9	125.1	6.1	8.7	12	11	85	87														
					3.6	0.2	206	22.5	8.2	8.2	25.6	25.6	106.7	106.5	8.0	8.0	6.2	6.2	11	11	87	88													
					3.6	0.3	223	22.5	8.2	8.2	25.6	25.6	106.3	106.5	7.9	7.9	6.2	6.2	10	10	88	88													
					6.1	0.2	201	22.1	8.1	8.1	28.1	28.1	101.7	101.7	7.5	7.5	6.9	6.9	10	10	88	88													
					6.1	0.2	211	22.1	8.1	8.1	28.1	28.1	101.7	101.7	7.5	7.5	6.9	6.9	11	11	89	89													
IM6	Fine	Moderate	12:39	7.2	Surface	1.0	0.1	211	22.8	8.2	8.2	23.3	23.3	114.8	114.6	8.7	8.4	6.8	8.8	8	9	84	87	821042	805835	<0.2	1.5	<0.2	1.6						
						1.0	0.1	218	22.8	8.2	8.2	23.3	23.3	114.4	114.6	6.8	8.4	8	9	85	87														
					3.6	0.1	170	22.4	8.2	8.2	25.4	25.4	109.5	109.6	8.2	8.2	8.7	8.7	9	9	87	88													
					3.6	0.1	184	22.4	8.2	8.2	25.4	25.4	109.6	109.6	8.2	8.2	8.7	8.7	9	9	88	88													
					6.2	0.1	178	22.4	8.0	8.0	27.0	27.0	106.1	106.1	7.9	7.9	10.7	10.8	9	9	89	89													
					6.2	0.1	190	22.4	8.0	8.1	27.0	27.0	106.1	106.1	7.9	7.9	10.8	10.8	9	9	89	89													
IM7	Fine	Moderate	12:48	8.0	Surface	1.0	0.0	314	22.4	8.1	8.1	24.0	24.0	104.1	104.0	7.9	7.6	6.3	8.4	7	8	84	87	821353	806835	<0.2	1.4	<0.2	1.4						
						1.0	0.0	337	22.4	8.1	8.1	24.0	24.0	103.9	104.0	7.8	7.6	6.4	8.4	8	8	84	87												
					4.0	0.1	92	22.2	8.1	8.1	25.6	25.6	96.6	96.6	7.3	7.3	8.4	8.4	8	8	87	87													
					4.0	0.1	93	22.2	8.1	8.1	25.6	25.6	96.6	96.6	7.3	7.3	8.4	8.4	7	7	87	87													
					7.0	0.1	158	22.0	8.1	8.1	26.2	26.2	94.0	94.0	7.1	7.1	10.2	10.4	9	9	88	88													
					7.0	0.1	160	22.0	8.1	8.1	26.2	26.2	94.0	94.0	7.1	7.1	10.4	10.4	10	10	88	88													
IM8	Fine	Moderate	11:52	7.2	Surface	1.0																													



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

Water Quality Monitoring Results on 18 April 20 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							
C1	Cloudy	Moderate	15:53	8.5	Surface	1.0	0.5	46	23.6	8.2	8.2	21.0	21.0	152.7	152.3	11.5	3.7	8	8	85	88	88	88	88	88	815604	804263	<0.2	1.1	1.1	1.1							
						1.0	0.5	48	23.6	8.2	8.2	21.0	21.0	151.9	151.4	11.4	3.7	7	7	86	86	86	86	86	86	86	86	86	86	86	86	86	86					
						4.3	0.2	62	22.7	8.1	8.1	25.8	25.8	116.5	116.4	116.4	4.6	6	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88				
					Middle	4.3	0.2	62	22.7	8.1	8.1	25.8	25.8	116.5	116.4	116.4	4.6	6	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						7.5	0.0	33	22.0	8.0	8.0	29.2	29.2	111.2	111.2	111.2	5.2	7	7	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
						7.5	0.0	33	22.0	8.0	8.0	29.2	29.2	111.5	111.5	111.5	5.2	6	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
					C2	Fine	Moderate	14:29	11.4	Surface	1.0	0.6	174	23.6	8.5	8.5	20.2	20.2	154.6	154.7	11.7	4.9	6	6	86	86	86	86	86	86	825681	806938	<0.2	1.2	1.2	1.2		
											1.0	0.6	185	23.6	8.5	8.5	20.2	20.2	154.8	154.8	11.7	5.1	5	5	87	87	87	87	87	87	87	87	87	87	87	87	87	
											5.7	0.6	174	22.1	8.0	8.0	24.7	24.7	98.7	98.0	7.5	5.1	6	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Middle	5.7	0.6	182	22.0						8.0	8.0	24.7	24.7	97.3	97.3	7.4	5.1	6	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
	10.4	0.4	146	21.8						8.0	8.0	28.3	28.3	91.3	91.3	6.8	6.6	6	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
	10.4	0.4	152	21.8						8.0	8.0	28.3	28.3	91.4	91.4	6.8	7.2	6	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
C3	Fine	Moderate	16:14	12.1						Surface	1.0	0.4	243	22.4	8.3	8.3	25.0	24.9	123.8	124.2	9.3	3.1	6	6	86	86	86	86	86	86	822093	817813	<0.2	1.4	1.3	1.3		
											1.0	0.4	262	22.3	8.3	8.3	24.8	24.9	124.5	124.2	9.4	3.1	6	6	88	88	88	88	88	88	88	88	88	88	88	88	88	
											6.1	0.4	242	22.0	8.1	8.1	28.3	28.3	106.0	105.9	7.9	3.5	6	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88
					Middle	6.1	0.4	259	22.0	8.1	8.1	28.3	28.3	105.7	105.9	7.9	3.7	5	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87			
						11.1	0.3	261	21.8	8.1	8.1	31.1	31.1	99.4	101.2	7.3	4.2	5	5	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90				
						11.1	0.3	272	21.8	8.1	8.1	31.1	31.1	102.9	101.2	7.6	4.2	4	4	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90				
					IM1	Cloudy	Moderate	15:29	4.7	Surface	1.0	0.1	49	23.6	8.2	8.2	24.5	24.5	146.2	146.2	10.8	6.4	8	8	86	85	86	85	86	85	817925	807149	<0.2	0.9	0.9	0.9		
											1.0	0.1	49	23.6	8.2	8.2	24.5	24.5	146.1	146.1	10.8	6.4	8	8	86	85	86	85	86	85	86	85	86	85	86	85	86	85
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.7	0.1	12	22.1						7.9	7.9	29.0	29.0	110.3	110.3	8.1	7.5	9	9	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
	3.7	0.2	12	22.1						7.9	7.9	29.0	29.0	110.3	110.3	8.1	7.5	8	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
IM2	Cloudy	Moderate	15:22	7.1						Surface	1.0	0.3	20	24.3	8.2	8.2	20.5	20.5	163.7	163.3	12.2	3.7	8	8	85	85	85	85	85	85	818182	806154	<0.2	1.2	1.2	1.2		
											1.0	0.4	20	24.3	8.2	8.2	20.5	20.5	162.9	163.3	12.1	3.8	7	7	85	85	85	85	85	85	85	85	85	85	85	85	85	85
											3.6	0.2	312	22.1	8.2	8.2	28.3	28.3	100.7	100.7	7.5	7.2	7	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87
					Middle	3.6	0.2	322	22.1	8.2	8.2	28.3	28.3	100.7	100.7	7.5	7.2	7	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87			
						6.1	0.1	319	21.8	8.2	8.2	30.2	30.2	98.5	98.5	7.3	11.2	8	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90				
						6.1	0.2	347	21.8	8.2	8.2	30.2	30.2	98.5	98.5	7.3	11.0	7	7	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89				
					IM3	Cloudy	Moderate	15:13	7.2	Surface	1.0	0.1	312	24.0	8.2	8.2	20.7	20.7	176.1	175.9	13.2	4.4	9	9	85	84	85	84	85	84	818775	805597	<0.2	1.2	1.2	1.2		
											1.0	0.2	324	24.0	8.2	8.2	20.7	20.7	175.6	175.9	13.1	4.5	10	10	84	84	84	84	84	84	84	84	84	84	84	84	84	
											3.6	0.2	286	22.2	8.1	8.1	28.0	28.0	109.8	110.0	8.1	4.7	9	9	87	87	87	87	87	87	87	87	87	87	87	87	87	87
Middle	3.6	0.2	288	22.2						8.1	8.1	28.0	28.0	110.1	110.0	8.2	4.7	10	10	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
	6.2	0.2	323	21.8						8.2	8.1	30.3	30.3	98.1	98.1	7.2	10.1	10	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
	6.2	0.2	333	21.8						8.1	8.1	30.3	30.3	98.1	98.1	7.2	10.1	10	10	89	89	89	89	89	89	89	89	89	89	89	89	89	89					
IM4	Cloudy	Moderate	15:04	8.0						Surface	1.0	0.2	207	24.1	8.4	8.4	20.2	20.2	172.7	172.5	12.9	4.6	10	10	84	84	84	84	84	84	819711	804597	<0.2	1.4	1.4	1.4		
											1.0	0.2	210	24.1	8.4	8.4	20.2	20.2	172.2	172.5	12.9	4.7	11	11	84	84	84	84	84	84	84	84	84	84	84	84		
											4.0	0.1	305	22.3	8.1	8.1	26.7	26.7	105.5	105.5	7.9	7.4	10	10	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Middle	4.0	0.2	333	22.3	8.1	8.1	26.7	26.7	105.4	105.4	7.8	7.4	10	10	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
						7.0	0.3	331	21.8	8.1	8.1	29.7	29.7	100.8	100.8	7.5	10.5	10	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
						7.0	0.3	346	21.8	8.1	8.1	29.7	29.7	101.2	101.0	7.5	10.6	11	11	90	90	90	90	90	90	90	90	90	90	90	90	90						
					IM5	Cloudy	Moderate	14:55	7.3	Surface	1.0	0.2	250	24.2	8.2	8.2	20.2	20.2	188.4	188.2	14.1	3.9	11	11	84	84	84	84	84	84	820726	804887	<0.2	1.3	1.2	1.2		
											1.0	0.2	267	24.2	8.2	8.2	20.2	20.2	187.9	188.2	14.1	3.9	10	10	84	84	84	84	84	84	84	84	84	84	84	84		
											3.7	0.3	290	22.6																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 April 20 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)						
					Surface	Middle			Bottom	Value	Average	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	14:58	7.2	Surface	1.0	0.2	239	23.1	23.1	8.4	8.4	20.8	20.8	152.0	151.9	11.6	11.6	5.2	8	8	8	86	88	822110	808833	<0.2	1.4	1.4	1.4					
						1.0	0.2	256	23.1	23.1	8.4	8.4	20.8	20.8	151.8	151.8	11.5	11.5	5.2	8	8	8	87	87	88	88	<0.2	1.4	1.4	1.4					
						3.6	0.2	222	22.6	22.6	8.2	8.2	23.0	23.0	116.2	116.2	8.8	8.8	5.9	7	7	7	88	88	89	89	<0.2	1.4	1.4	1.4					
					Middle	3.6	0.2	233	22.5	22.5	8.2	8.2	23.0	23.0	116.1	116.1	8.8	8.8	5.9	7	7	7	88	88	89	89	<0.2	1.4	1.4	1.4					
						6.2	0.1	203	22.4	22.4	8.2	8.2	24.3	24.3	109.7	109.7	8.3	8.3	8.4	8	8	8	88	88	90	90	<0.2	1.4	1.4	1.4					
						6.2	0.1	203	22.4	22.4	8.2	8.2	24.3	24.3	109.7	109.7	8.3	8.3	8.7	8	8	8	88	88	90	90	<0.2	1.4	1.4	1.4					
					IM10	Fine	Moderate	15:05	6.8	Surface	1.0	0.1	140	23.4	23.4	8.5	8.5	20.1	20.1	163.1	162.8	12.4	12.4	5.4	7	7	7	87	87	822398	809785	<0.2	1.3	1.3	1.3
											1.0	0.1	142	23.4	23.4	8.5	8.5	20.1	20.1	162.5	162.3	12.3	12.3	5.4	7	7	7	86	86	88	88	<0.2	1.3	1.3	1.3
											3.4	0.1	74	22.5	22.5	8.2	8.2	23.7	23.7	115.0	114.8	8.7	8.7	5.5	8	8	8	89	89	89	89	<0.2	1.3	1.3	1.3
Middle	3.4	0.1	81	22.5						22.5	8.2	8.2	23.7	23.7	114.6	114.6	8.7	8.7	5.4	8	8	8	88	88	89	89	<0.2	1.3	1.3	1.3					
	5.8	0.1	61	22.4						22.4	8.2	8.2	24.1	24.1	109.9	110.0	8.3	8.3	5.0	8	8	8	89	89	90	90	<0.2	1.3	1.3	1.3					
	5.8	0.1	66	22.4						22.4	8.2	8.2	24.1	24.1	110.0	110.0	8.3	8.3	5.0	8	8	8	88	88	90	90	<0.2	1.3	1.3	1.3					
IM11	Fine	Moderate	15:15	8.8						Surface	1.0	0.2	22	23.0	23.0	8.4	8.4	21.3	21.3	144.9	144.6	11.0	11.0	5.5	11	11	11	86	86	822041	811446	<0.2	1.4	1.4	1.4
											1.0	0.2	23	22.9	22.9	8.4	8.4	21.3	21.3	144.3	144.3	11.0	11.0	5.5	10	10	10	88	88	89	89	<0.2	1.4	1.4	1.4
											4.4	0.2	43	22.1	22.1	8.2	8.2	24.0	24.0	109.3	108.4	8.3	8.3	6.5	8	8	8	89	89	89	89	<0.2	1.4	1.4	1.4
					Middle	4.4	0.2	43	22.1	22.1	8.2	8.2	24.0	24.0	107.4	108.4	8.2	8.2	6.6	7	7	7	87	87	88	88	<0.2	1.3	1.3	1.3					
						7.8	0.3	60	21.9	21.9	8.1	8.1	28.2	28.1	100.6	101.0	7.5	7.5	7.2	6	6	6	91	91	91	91	<0.2	1.4	1.4	1.4					
						7.8	0.3	63	21.9	21.9	8.1	8.1	28.1	28.1	101.3	101.0	7.5	7.5	7.1	5	5	5	90	90	90	90	<0.2	1.3	1.3	1.3					
					IM12	Fine	Moderate	15:21	8.9	Surface	1.0	0.1	313	23.4	23.4	8.5	8.5	20.5	20.5	162.6	162.3	12.3	12.3	7.3	8	8	8	86	86	821473	812045	<0.2	1.3	1.3	1.3
											1.0	0.1	321	23.4	23.4	8.5	8.5	20.5	20.5	162.0	162.3	12.3	12.3	7.1	9	9	9	86	86	88	88	<0.2	1.2	1.2	1.2
											4.5	0.2	298	22.3	22.3	8.1	8.1	24.4	24.4	101.6	101.5	7.7	7.7	5.4	9	9	9	88	88	88	88	<0.2	1.3	1.3	1.3
Middle	4.5	0.2	306	22.2						22.2	8.1	8.1	24.4	24.4	101.3	101.5	7.7	7.7	5.4	9	9	9	88	88	88	88	<0.2	1.3	1.3	1.3					
	7.9	0.3	285	21.9						21.9	8.1	8.1	28.3	28.2	94.7	94.8	7.0	7.1	5.6	9	9	9	90	90	90	90	<0.2	1.3	1.3	1.3					
	7.9	0.4	298	21.9						21.9	8.1	8.1	28.2	28.2	94.9	94.8	7.1	7.1	5.7	9	9	9	91	91	91	91	<0.2	1.3	1.3	1.3					
SR1A	Fine	Moderate	15:39	5.1						Surface	1.0	-	-	23.0	23.0	8.5	8.5	21.3	21.3	146.0	145.4	11.1	11.1	5.5	10	10	10	-	-	819977	812659	-	-	-	-
											1.0	-	-	23.0	23.0	8.5	8.5	21.3	21.3	144.8	144.8	11.0	11.0	5.6	10	10	10	-	-	-	-	-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.1	-	-	22.9	22.9	8.3	8.3	23.5	23.5	121.8	121.9	9.2	9.2	5.9	11	11	11	-	-	-	-	-	-	-	-	-	-			
						4.1	-	-	22.9	22.9	8.3	8.3	23.5	23.5	121.9	121.9	9.2	9.2	6.0	10	10	10	-	-	-	-	-	-	-	-	-	-			
					SR2	Fine	Moderate	15:52	4.6	Surface	1.0	0.1	262	23.0	23.0	8.4	8.4	21.9	21.9	154.3	154.5	11.7	11.7	5.1	7	7	7	87	87	821449	814150	<0.2	1.4	1.4	1.4
											1.0	0.1	273	23.0	23.0	8.5	8.5	21.9	21.9	154.6	154.6	11.7	11.7	5.1	8	8	8	89	89	89	89	<0.2	1.3	1.3	1.3
											3.6	0.1	294	22.8	22.8	8.3	8.3	23.0	23.0	132.2	132.0	10.0	10.0	5.2	8	8	8	90	90	90	90	<0.2	1.3	1.3	1.3
Middle	3.6	0.1	322	22.9						22.9	8.3	8.3	23.0	23.0	131.7	132.0	9.9	9.9	5.2	7	7	7	88	88	89	89	<0.2	1.3	1.3	1.3					
	1.0	0.1	216	22.7						22.7	8.4	8.4	20.8	20.8	136.0	136.0	10.4	10.4	6.0	8	8	8	8	8	8	8	-	-	-	-	-				
	1.0	0.1	227	22.7						22.7	8.4	8.4	20.8	20.8	134.3	135.2	10.3	10.3	6.2	8	8	8	8	8	8	8	-	-	-	-	-				
SR3	Fine	Moderate	14:44	8.4						Surface	4.2	0.3	115	22.3	22.3	8.1	8.1	23.5	23.5	107.0	107.0	8.1	8.1	8.4	8	8	8	8	8	822127	807575	-	-	-	-
											4.2	0.4	126	22.3	22.3	8.1	8.1	23.5	23.5	106.9	107.0	8.1	8.1	8.7	9	9	9	9	9	9	-	-	-	-	-
											7.4	0.3	104	22.2	22.2	8.1	8.1	25.8	25.8	101.2	101.2	7.6	7.6	15.2	10	10	10	10	10	10	10	-	-	-	-
					Middle	7.4	0.3	111	22.2	22.2	8.1	8.1	25.9	25.8	101.1	101.2	7.6	7.6	14.5	9	9	9	9	9	9	9	-	-	-	-	-				
						1.0	0.2	254	23.7	23.7	8.3	8.3	23.1	23.1	136.5	136.0	10.1	10.1	6.7	10	10	10	10	10	10	10	-	-	-	-	-				
						1.0	0.2	256	23.7	23.7	8.3	8.3	23.1	23.1	135.4	136.0	10.0	10.0	6.8	11	11	11	11	11	11	11	-	-	-	-	-				
					SR4A	Cloudy	Calm	16:13	9.2	Surface	4.6	0.1	96	22.0	22.0	8.1	8.1	29.0	29.0	103.6	103.7	7.7	7.7	8.6	8	8	8	8	8	817178	807803	-	-	-	-
											4.6	0.1	97	22.0	22.0	8.1	8.1	29.0	29.0	103.7	103.7	7.7	7.7	8.6	11	11	11	11	11	11	-	-	-	-	-
											8.2	0.1	89	21.9	21.9	8.1	8.1	29.6	29.6	104.8	105.0	7.7	7.8	11.2	11	11	11	11	11	11	11	-	-	-	-
Middle	8.2	0.1	93	21.9						21.9	8.1	8.1	29.6	29.6	105.1	105.0	7.8	7.8	11.2	12	12	12	12	12	12	12	-	-	-	-	-				
	1.0	0.1	274	23.5						23.5	8.2	8.2	23.9	23.9	142.0	141.8	10.5	10.5	5.4	11	11	11	11	11	11	11	11	-	-	-	-	-			
	1.0	0.2	275	23.5						23.5	8.2	8.2	23.9	23.9	141.6	141.8	10.5	10.5	5.4	12	12	12	12	12	12	12	12	-	-	-	-	-			
SR5A																																			

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

Water Quality Monitoring Results on 21 April 20 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	12:18	8.8	Surface	1.0	0.4	250	24.1	24.1	8.4	8.4	22.3	22.4	113.3	113.1	8.4	2.4	4	86	89	815608	804263	<0.2	1.2	1.1	1.2							
						1.0	0.4	274	24.1	24.1	8.4	8.4	22.4	22.4	112.8	8.3	2.6	4	87	89	815608	804263	<0.2	1.2	1.1	1.2								
						4.4	0.5	203	22.0	22.0	8.1	8.1	30.3	30.3	92.8	6.8	8.1	5	88	89	815608	804263	<0.2	1.2	1.1	1.2								
					4.4	0.5	203	22.0	22.0	8.1	8.1	30.3	30.3	92.9	6.8	8.5	5	88	89	815608	804263	<0.2	1.2	1.1	1.2									
					7.8	0.2	229	22.0	22.0	8.1	8.1	31.0	31.0	91.0	6.7	14.9	5	90	89	815608	804263	<0.2	1.2	1.1	1.2									
					7.8	0.2	229	22.0	22.0	8.1	8.1	31.0	31.0	91.3	6.7	15.2	5	91	89	815608	804263	<0.2	1.2	1.1	1.2									
C2	Fine	Moderate	14:11	12.0	Surface	1.0	0.9	162	25.0	25.0	8.2	8.2	20.0	20.0	118.4	118.4	8.7	3.7	2	84	86	825689	806944	<0.2	1.2	1.2	1.2							
						1.0	0.9	168	25.1	25.1	8.2	8.2	20.0	20.0	118.3	8.7	3.7	3	84	86	825689	806944	<0.2	1.2	1.2	1.2								
						6.0	0.8	159	23.1	23.1	8.2	8.2	24.4	24.4	107.9	8.0	3.7	3	87	86	825689	806944	<0.2	1.3	1.2	1.2								
					6.0	0.8	168	23.0	23.0	8.2	8.2	24.4	24.4	107.8	8.0	3.7	3	87	86	825689	806944	<0.2	1.2	1.2	1.2									
					11.0	0.4	155	22.6	22.6	8.2	8.2	27.4	27.4	97.8	7.2	8.5	4	88	86	825689	806944	<0.2	1.2	1.2	1.2									
					11.0	0.4	161	22.6	22.6	8.2	8.2	27.4	27.4	97.8	7.2	8.5	4	88	86	825689	806944	<0.2	1.2	1.2	1.2									
C3	Fine	Moderate	11:34	13.1	Surface	1.0	0.5	64	23.8	23.8	8.0	8.0	24.2	24.3	118.4	118.4	8.7	2.5	<2	85	87	822106	817799	<0.2	1.1	1.1	1.1							
						1.0	0.5	68	23.8	23.8	8.0	8.0	24.3	24.3	118.3	8.7	2.5	<2	85	87	822106	817799	<0.2	1.1	1.1	1.1								
						6.6	0.4	105	22.7	22.7	7.9	7.9	28.7	28.7	106.8	7.8	3.2	2	88	87	822106	817799	<0.2	0.9	1.0	1.0								
					6.6	0.4	106	22.7	22.7	7.9	7.9	28.7	28.7	106.9	7.8	3.2	2	87	87	822106	817799	<0.2	1.0	1.0	1.0									
					12.1	0.2	69	22.3	22.3	7.9	7.9	30.5	30.5	100.2	7.3	3.9	4	90	89	822106	817799	<0.2	1.0	1.0	1.0									
					12.1	0.2	69	22.3	22.3	7.9	7.9	30.5	30.5	100.2	7.3	3.9	4	89	89	822106	817799	<0.2	1.0	1.0	1.0									
IM1	Cloudy	Moderate	12:40	4.8	Surface	1.0	0.1	189	23.4	23.4	8.3	8.3	24.0	24.0	110.2	110.2	8.2	8.5	3	87	88	817969	807137	<0.2	0.9	1.0	1.0							
						1.0	0.1	195	23.4	23.4	8.3	8.3	23.9	23.9	110.2	8.2	9.0	4	86	88	817969	807137	<0.2	1.0	1.0	1.0								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					3.8	0.1	207	22.7	22.7	8.2	8.2	26.5	26.5	96.8	7.2	7.2	7	90	89	817969	807137	<0.2	1.0	1.0	1.0									
					3.8	0.1	219	22.7	22.7	8.2	8.2	26.5	26.5	96.9	7.2	12.7	6	90	89	817969	807137	<0.2	1.0	1.0	1.0									
					3.8	0.1	219	22.7	22.7	8.2	8.2	26.5	26.5	96.9	7.2	12.7	6	90	89	817969	807137	<0.2	1.0	1.0	1.0									
IM2	Cloudy	Moderate	12:47	6.9	Surface	1.0	0.2	132	24.3	24.3	8.4	8.4	21.8	21.8	119.0	119.0	8.8	1.5	3	85	88	818185	806185	<0.2	1.1	1.1	1.1							
						1.0	0.2	132	24.2	24.2	8.4	8.4	21.8	21.8	118.8	8.8	1.6	3	87	88	818185	806185	<0.2	1.1	1.1	1.1								
						3.5	0.3	127	23.1	23.1	8.2	8.2	24.7	24.7	104.6	7.8	4.6	4	88	87	818185	806185	<0.2	1.1	1.1	1.1								
					3.5	0.3	136	23.1	23.1	8.2	8.2	24.7	24.7	104.3	7.8	4.6	4	87	87	818185	806185	<0.2	0.9	1.0	1.0									
					5.9	0.1	91	22.3	22.3	8.2	8.2	29.2	29.2	93.8	6.9	6.0	6	90	89	818185	806185	<0.2	1.0	1.0	1.0									
					5.9	0.1	99	22.3	22.3	8.2	8.2	29.2	29.2	93.9	6.9	6.0	5	91	89	818185	806185	<0.2	1.0	1.0	1.0									
IM3	Cloudy	Moderate	12:55	7.0	Surface	1.0	0.1	304	24.3	24.3	8.3	8.3	22.2	22.2	112.1	112.1	8.3	2.3	3	86	88	818773	805591	<0.2	1.0	1.0	1.0							
						1.0	0.1	324	24.3	24.3	8.3	8.3	22.2	22.2	112.0	8.3	2.3	3	86	88	818773	805591	<0.2	1.0	1.0	1.0								
						3.5	0.3	163	23.2	23.2	8.3	8.3	24.7	24.7	103.9	7.7	5.8	3	87	88	818773	805591	<0.2	1.0	1.0	1.0								
					3.5	0.3	176	23.2	23.2	8.3	8.3	24.7	24.7	103.6	7.7	5.9	3	88	87	818773	805591	<0.2	0.9	1.0	1.0									
					6.0	0.3	109	22.4	22.4	8.1	8.1	28.2	28.2	97.8	7.2	9.3	2	90	89	818773	805591	<0.2	1.0	1.0	1.0									
					6.0	0.3	109	22.4	22.4	8.1	8.1	28.3	28.2	97.9	7.2	8.6	2	90	89	818773	805591	<0.2	0.8	0.8	0.8									
IM4	Cloudy	Moderate	13:04	7.8	Surface	1.0	0.9	182	23.4	23.4	8.3	8.3	23.7	23.8	112.9	112.8	8.4	5.8	7	86	88	819747	804587	<0.2	0.8	0.8	0.8							
						1.0	0.9	196	23.4	23.4	8.3	8.3	23.8	23.8	112.7	8.4	5.9	7	87	88	819747	804587	<0.2	0.6	0.6	0.6								
						3.9	0.7	179	23.3	23.3	8.3	8.3	23.9	23.9	111.6	8.3	6.9	10	88	87	819747	804587	<0.2	0.8	0.8	0.8								
					3.9	0.8	180	23.3	23.3	8.3	8.3	24.0	23.9	111.4	8.3	6.9	10	87	87	819747	804587	<0.2	0.9	0.9	0.9									
					6.8	0.6	176	23.3	23.3	8.3	8.3	24.1	24.1	109.1	8.1	13.3	11	90	89	819747	804587	<0.2	0.9	0.9	0.9									
					6.8	0.6	186	23.3	23.3	8.3	8.3	24.1	24.1	108.6	8.1	12.8	11	91	89	819747	804587	<0.2	0.9	0.9	0.9									
IM5	Cloudy	Moderate	13:14	7.3	Surface	1.0	0.8	189	24.7	24.7	8.3	8.3	22.3	22.3	118.8	118.7	8.7	3.6	3	86	88	820755	804871	<0.2	0.8	0.8	0.8							
						1.0	0.8	202	24.7	24.7	8.3	8.3	22.3	22.3	118.5	8.7	3.6	3	86	88	820755	804871	<0.2	0.9	0.9	0.9								
						3.7	0.7	196	23.5	23.5	8.3	8.3	23.4	23.3	113.0	8.4	5.3	3	88	87	820755	804871	<0.2	0.8	0.8	0.8								
					3.7	0.7	198	23.5	23.5	8.3	8.3	23.2	23.3	113.0	8.4	5.7	3	87	87	820755	804871	<0.2	0.9	0.9	0.9									
					6.3	0.6	193	23.1	23.1	8.3	8.3	24.5	24.5	106.7	7.9	9.6	3	90	89	820755	804871	<0.2	0.8	0.8	0.8									
					6.3	0.6	194	23.1	23.1	8.3	8.3	24.5	24.5	106.6	7.9	10.0	3	90	89	820755	804871	<0.2	0.6	0.6	0.6									
IM6	Cloudy	Moderate	13:21	7.1	Surface	1.0	0.6	216	24.2	24.2	8.3	8.3	22.6	22.6	116.2	116.2	8.6	3.0	4	87	88	821054	805822	<0.2	0.8	0.8	0.8							
						1.0	0.6	237	24.2	24.2	8.3	8.3	22.6	22.6	116.2	8.6	3.0	4	86	88	821054	805822	<0.2	0.8	0.8	0.8								
						3.6	0.5	211	24.1	24.1	8.3	8.3	22.8	22.8	115.4	8.5	3.1	4	87	88	821054	805822	<0.2	0.7	0.7	0.7								
					3.6	0.6	225	24.1	24.1	8.3	8.3	22.8	22.8	115.3	8.5	3.2	4	88	87	821054	805822	<0.2	0.8	0.8	0.8									
					6.1	0.4	219	23.3	23.3	8.3	8.3	23.6	23.6	105.9	7.9	9.1	4	90	89	821054	805822	<0.2	0.8	0.8	0.8									
					6.1																													





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

**Water Quality Monitoring Results on 21 April 20 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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	17:18	6.7	Surface	1.0	0.2	246	24.9	24.9	8.0	8.0	19.9	19.9	113.5	113.7	8.4	8.4	4.1	5	85	87	822077	808798	<0.2	1.5	<0.2	1.5						
						1.0	0.2	265	24.9	24.9	8.0	8.0	19.9	113.9	8.4	8.6	4.0	5	85	87														
						3.4	0.3	271	24.4	24.4	8.1	8.1	21.2	118.8	8.8	8.6	3.7	5	87	89														
					3.4	0.3	282	24.4	24.4	8.1	8.1	21.2	118.8	8.8	8.6	3.7	5	87	89															
					5.7	0.3	277	24.1	24.1	8.1	8.1	21.9	114.3	8.5	8.5	5.4	6	89	91															
					5.7	0.3	282	24.1	24.1	8.1	8.1	21.9	114.2	8.5	8.5	5.3	7	89	91															
IM10	Fine	Moderate	17:27	7.6	Surface	1.0	0.3	282	24.3	24.3	8.1	8.1	21.3	21.3	117.3	117.2	8.7	8.7	5.2	6	85	87	822393	809771	<0.2	1.5	<0.2	1.5						
						1.0	0.3	296	24.3	24.3	8.1	8.1	21.3	117.1	8.7	8.6	5.1	6	84	87														
						3.8	0.3	297	23.8	23.8	8.1	8.1	22.5	114.5	8.5	8.5	4.8	5	88	89														
					3.8	0.4	301	23.8	23.8	8.1	8.1	22.5	114.6	8.5	8.5	4.8	5	88	89															
					6.6	0.3	291	23.6	23.6	8.0	8.0	23.1	107.7	8.0	8.0	6.3	5	89	91															
					6.6	0.3	319	23.6	23.6	8.0	8.0	23.1	107.5	8.0	8.0	6.4	5	89	91															
IM11	Fine	Moderate	17:41	7.4	Surface	1.0	0.5	299	23.7	23.7	8.1	8.1	22.8	22.8	114.7	114.7	8.5	8.5	5.3	6	85	87	822052	811453	<0.2	1.2	<0.2	1.2						
						1.0	0.6	300	23.7	23.7	8.1	8.1	22.8	114.7	8.5	8.4	5.2	5	87	89														
						3.7	0.6	301	23.5	23.5	8.1	8.1	23.1	111.3	8.3	8.3	7.3	4	87	89														
					3.7	0.6	329	23.5	23.5	8.1	8.1	23.1	111.2	8.3	8.3	7.3	4	87	89															
					6.4	0.4	288	23.3	23.3	8.0	8.0	23.8	105.3	7.8	7.8	12.9	3	89	91															
					6.4	0.4	304	23.3	23.3	8.0	8.0	23.8	105.1	7.8	7.8	13.0	2	89	91															
IM12	Fine	Moderate	17:49	7.9	Surface	1.0	0.5	285	24.2	24.2	8.1	8.1	22.2	22.2	118.4	118.4	8.8	8.8	3.9	3	84	85	821467	812069	<0.2	1.2	<0.2	1.2						
						1.0	0.5	297	24.2	24.2	8.1	8.1	22.2	118.4	8.8	8.5	3.9	3	85	87														
						4.0	0.5	287	23.4	23.4	8.1	8.1	23.4	110.8	8.2	8.5	6.4	4	86	87														
					4.0	0.5	309	23.4	23.4	8.1	8.1	23.4	110.7	8.2	8.4	6.4	4	87	89															
					6.9	0.6	284	23.1	23.1	8.1	8.1	25.5	104.6	7.7	7.7	10.9	6	88	89															
					6.9	0.7	311	23.1	23.1	8.1	8.1	25.5	104.6	7.7	7.7	10.4	6	88	89															
SR1A	Fine	Moderate	18:10	4.9	Surface	1.0	-	-	24.3	24.3	8.1	8.1	23.2	23.2	116.1	116.1	8.5	8.5	4.7	5	-	-	819974	812664	-	-	-	-						
						1.0	-	-	24.3	24.3	8.1	8.1	23.3	116.1	8.5	8.5	4.8	5	-	-														
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
					3.9	-	-	24.2	24.2	8.1	8.1	23.5	114.9	8.4	8.4	5.5	5	-	-															
					3.9	-	-	24.2	24.2	8.1	8.1	23.5	114.8	8.4	8.4	5.5	5	-	-															
SR2	Fine	Moderate	18:23	4.8	Surface	1.0	0.4	331	23.9	23.9	8.1	8.1	23.9	23.9	112.8	112.8	8.3	8.3	4.9	4	86	87	821484	814173	<0.2	1.0	<0.2	1.0						
						1.0	0.5	349	23.9	23.9	8.1	8.1	23.9	112.7	8.3	8.3	5.0	4	85	87														
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.8	0.1	297	23.3	23.3	8.0	8.0	25.6	104.5	7.7	7.7	6.1	5	88	89															
					3.8	0.1	298	23.3	23.3	8.0	8.0	25.6	103.8	7.6	7.6	6.1	5	87	89															
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR3	Fine	Moderate	17:03	8.4	Surface	1.0	0.3	215	24.6	24.6	8.0	8.0	20.1	20.2	116.1	116.1	8.6	8.6	3.9	7	-	-	822125	807557	-	-	-	-						
						1.0	0.3	222	24.5	24.5	8.0	8.0	20.3	116.0	8.6	8.5	4.0	7	-	-														
						4.2	0.2	256	23.9	23.9	8.0	8.0	21.7	110.9	8.3	8.3	4.8	6	-	-														
					4.2	0.3	277	23.9	23.9	8.0	8.0	21.7	110.9	8.3	8.3	4.9	7	-	-															
					7.4	0.1	242	23.5	23.5	8.0	8.0	22.5	107.6	8.0	8.0	10.0	6	-	-															
					7.4	0.2	255	23.5	23.5	8.0	8.0	22.5	107.4	8.0	8.0	11.4	5	-	-															
SR4A	Cloudy	Moderate	18:16	8.6	Surface	1.0	0.1	196	24.5	24.5	8.3	8.3	22.6	22.6	116.0	115.7	8.5	8.5	7.5	10	-	-	817207	807806	-	-	-	-						
						1.0	0.1	206	24.4	24.4	8.3	8.3	22.6	115.3	8.5	8.4	7.6	10	-	-														
						4.3	0.1	172	24.0	24.0	8.3	8.3	22.9	112.8	8.3	8.3	8.0	10	-	-														
					4.3	0.1	172	23.9	23.9	8.3	8.3	22.9	112.6	8.3	8.3	8.0	10	-	-															
					7.6	0.2	79	23.5	23.5	8.3	8.3	24.9	103.3	7.6	7.6	9.7	8	-	-															
					7.6	0.2	85	23.5	23.5	8.3	8.3	25.0	103.1	7.6	7.6	10.3	8	-	-															
SR5A	Cloudy	Calm	18:32	4.8	Surface	1.0	0.2	268	24.3	24.4	8.4	8.4	22.8	22.8	118.7	118.7	8.7	8.7	7.3	10	-	-	816612	810712	-	-	-	-						
						1.0	0.2	290	24.4	24.4	8.4	8.4	22.9	118.7	8.7	8.7	7.6	9	-	-														
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.8	0.2	281	24.5	24.5	8.4	8.4	23.1	117.3	8.6	8.6	9.9	8	-	-															
					3.8	0.2	307	24.5	24.5	8.4	8.4	23.1	116.9	8.6	8.6	9.9	8	-	-															
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR6A	Cloudy	Calm	18:58	4.0	Surface	1.0	0.1	210	24.0	24.0	8.3	8.3	24.3	24.3	112.7	112.6	8.3	8.3	7.7	8	-	-	817975	814730	-	-	-	-						
						1.0	0.1	224	24.0	24.0	8.3	8.3	24.3	112.5	8.3	8.3	7.9	8	-	-														
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.0	0.1	229	24.0	24.0	8.3	8.3	24.4	111.9	8.2	8.2	9.2	10	-	-															
					3.0	0.1	231	23.9	23.9	8.3	8.3	24.5	111.8	8.2	8.2	9.8	10	-	-															
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR7	Fine	Moderate	19:26	16.0	Surface	1.0	0.0	184	22.9	22.9	8.0	8.0	28.3	28.3	105.1	105.1	7.7	7.7	3.0	5	-	-	823654	823746	-	-	-	-						
						1.0	0.0	200	22.9	22.9	8.0	8.0	28.3	105.1	7.7	7.6	3.0	5	-	-														
						8.0	0.1	169	22.6	22.6	8.0	8.0	29.3	101.3	7.4	7.4	4.0	3	-	-														
					8.0	0.1	171	22.6	22.6	8.0	8.0	29.4	101.2	7.4	7.4	4.1	4	-	-															
					15.0	0.1	130	22.3	22.3	8.0	8.0	30.9	96.0	7.0	7.0	5.2	2	-	-															
					15.0	0.1	140	22.3	22.3	8.0	8.0	30.9	96.0	7.0	7.0	5.3	2	-	-															
SR8	Fine	Moderate	18:00	4.7	Surface	1.0	-	-	24.3	24.3	8.1	8.1	22.2	22.2	117.7	117.6	8.7	8.7	4.1	5	-	-	820395	811619	-	-	-	-						
						1.0	-	-	24.3	24.3	8.1	8.1	22.2	117.5	8.7	8.7	4.3	5	-	-														
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.7	-	-	23.9	23.9	8.1	8.1	22.9	112.0	8.3	8.3	9.1	4	-	-															
					3.7	-	-	23.9	23.9	8.1	8.1	22.9	111.7	8.3	8.3	9.1	4	-	-															
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														

DA: Depth

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 20 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	Rainy	Moderate	13:43	8.4	Surface	1.0	0.4	219	22.8	22.8	7.7	7.7	27.5	27.5	93.5	93.5	6.9	6.9	2.4	2.4	4	4	86	86	89	815608	804266	<0.2	0.6	0.6						
						1.0	0.5	223	22.8	7.7	7.7	27.5	27.5	93.5	93.5	6.9	6.9	2.4	2.4	4	4	86	86	<0.2				0.6								
					Middle	4.2	0.4	200	22.8	22.8	7.7	7.7	29.0	29.0	90.7	90.8	6.6	6.6	7.6	7.6	4	4	88	88				<0.2	0.6							
						4.2	0.4	212	22.8	22.8	7.7	7.7	28.0	28.0	90.7	90.7	6.6	6.6	7.6	7.6	4	4	88	88				<0.2	0.6							
						7.4	0.4	204	22.8	22.8	7.7	7.7	29.3	29.3	89.8	89.8	6.5	6.5	14.0	14.0	4	4	91	91				<0.2	0.7							
						7.4	0.4	208	22.8	22.8	7.7	7.7	29.3	29.3	89.8	89.8	6.5	6.5	13.8	13.8	5	5	91	91				<0.2	0.7							
C2	Cloudy	Moderate	14:40	11.5	Surface	1.0	1.1	172	23.2	23.2	8.2	8.2	23.4	23.4	94.1	94.1	7.0	7.0	4.3	4.3	5	5	85	85	88	825694	806939	<0.2	0.7	0.7						
						1.0	1.1	187	23.2	23.2	8.2	8.2	23.4	23.4	94.1	94.1	7.0	7.0	4.4	4.4	5	5	85	85				<0.2	0.7							
					Middle	5.8	1.0	167	23.0	23.0	8.2	8.2	25.4	25.4	90.2	90.2	6.7	6.7	10.4	10.4	4	4	88	88				<0.2	0.8							
						5.8	1.0	175	23.0	23.0	8.2	8.2	25.4	25.4	90.2	90.2	6.7	6.7	10.4	10.4	4	4	88	88				<0.2	0.8							
						10.5	0.4	150	22.8	22.8	8.2	8.2	29.3	29.3	91.0	91.1	6.6	6.6	11.2	11.2	3	3	90	90				<0.2	0.7							
						10.5	0.4	160	22.8	22.8	8.2	8.2	29.3	29.3	91.1	91.1	6.6	6.6	11.2	11.2	4	4	90	90				<0.2	0.6							
C3	Cloudy	Moderate	12:24	12.6	Surface	1.0	0.4	63	23.1	23.1	8.2	8.2	26.1	26.1	96.0	95.9	7.1	7.1	1.6	1.6	3	3	87	87	89	822127	817783	<0.2	0.9	0.9						
						1.0	0.4	64	23.1	23.1	8.2	8.2	26.1	26.1	95.8	95.9	7.1	7.1	1.6	1.6	4	4	88	88				<0.2	0.8							
					Middle	6.3	0.2	95	22.6	22.6	8.2	8.2	29.5	29.5	92.6	92.6	6.8	6.8	1.7	1.7	3	3	89	89				<0.2	0.9							
						6.3	0.2	104	22.6	22.6	8.2	8.2	29.5	29.5	92.6	92.6	6.8	6.8	1.7	1.7	3	3	89	89				<0.2	1.0							
						11.6	0.2	66	22.5	22.5	8.1	8.1	31.2	31.2	93.8	93.8	6.8	6.8	2.1	2.1	3	3	91	91				<0.2	0.9							
						11.6	0.2	70	22.5	22.5	8.1	8.1	31.2	31.2	93.8	93.8	6.8	6.8	2.1	2.1	4	4	91	91				<0.2	0.9							
IM1	Cloudy	Moderate	14:06	4.9	Surface	1.0	0.2	172	22.8	22.8	7.7	7.7	27.9	27.9	86.1	86.1	6.3	6.3	9.6	9.6	3	3	87	87	88	817935	807119	<0.2	0.8	0.8						
						1.0	0.2	174	22.8	22.8	7.7	7.7	27.9	27.9	86.1	86.1	6.3	6.3	9.9	9.9	4	4	87	87				<0.2	0.7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
						3.9	0.1	180	22.7	22.7	7.7	7.7	28.5	28.5	86.3	86.3	6.3	6.3	12.5	12.5	5	5	89	89				<0.2	0.8							
						3.9	0.1	180	22.7	22.7	7.7	7.7	28.5	28.5	86.3	86.3	6.3	6.3	12.5	12.5	6	6	89	89				<0.2	0.7							
IM2	Cloudy	Moderate	14:14	6.8	Surface	1.0	0.2	152	22.8	22.8	7.7	7.7	27.6	27.6	90.7	90.8	6.7	6.7	4.9	4.9	4	4	85	85	88	818140	806148	<0.2	0.7	0.7						
						1.0	0.2	159	22.8	22.8	7.7	7.7	27.6	27.6	90.8	90.8	6.7	6.7	4.9	4.9	5	5	85	85				<0.2	0.6							
					Middle	3.4	0.3	155	22.8	22.8	7.7	7.7	27.6	27.6	90.4	90.4	6.6	6.6	6.5	6.5	6	6	88	88				<0.2	0.6							
						3.4	0.3	158	22.8	22.8	7.7	7.7	27.7	27.6	90.4	90.4	6.6	6.6	6.7	6.7	6	6	88	88				<0.2	0.9							
						5.8	0.2	148	22.8	22.8	7.7	7.7	28.7	28.7	88.6	88.6	6.5	6.5	15.6	15.6	7	7	90	90				<0.2	0.7							
						5.8	0.2	160	22.8	22.8	7.7	7.7	28.7	28.7	88.5	88.5	6.5	6.5	15.5	15.5	6	6	90	90				<0.2	0.8							
IM3	Cloudy	Moderate	14:22	7.0	Surface	1.0	0.4	136	22.8	22.8	7.7	7.7	27.8	27.8	89.9	89.8	6.6	6.6	11.1	11.1	9	9	85	85	88	818766	805611	<0.2	0.7	0.7						
						1.0	0.5	139	22.8	22.8	7.7	7.7	27.8	27.8	89.7	89.7	6.6	6.6	11.1	11.1	9	9	85	85				<0.2	0.6							
					Middle	3.5	0.3	126	22.8	22.8	7.7	7.7	28.2	28.2	89.1	89.1	6.5	6.5	14.3	14.3	10	10	88	88				<0.2	0.7							
						3.5	0.3	135	22.8	22.8	7.7	7.7	28.2	28.2	89.1	89.1	6.5	6.5	14.3	14.3	8	8	88	88				<0.2	0.7							
						6.0	0.3	109	22.8	22.8	7.7	7.7	28.4	28.4	88.5	88.5	6.5	6.5	17.4	17.4	9	9	90	90				<0.2	0.7							
						6.0	0.3	111	22.8	22.8	7.7	7.7	28.4	28.4	88.6	88.6	6.5	6.5	17.1	17.1	10	10	90	90				<0.2	0.7							
IM4	Cloudy	Moderate	14:32	7.3	Surface	1.0	0.9	192	22.9	22.9	7.7	7.7	26.5	26.5	90.8	90.8	6.7	6.7	7.5	7.5	8	8	85	85	87	819737	804612	<0.2	0.6	0.7						
						1.0	0.9	207	22.9	22.9	7.7	7.7	26.4	26.4	90.8	90.8	6.7	6.7	7.5	7.5	7	7	84	84				<0.2	0.7							
					Middle	3.7	0.8	183	22.8	22.8	7.7	7.7	28.0	28.0	90.4	90.4	6.6	6.6	10.8	10.8	7	7	88	88				<0.2	0.6							
						3.7	0.8	197	22.8	22.8	7.7	7.7	28.0	28.0	90.4	90.4	6.6	6.6	10.9	10.9	8	8	88	88				<0.2	0.7							
						6.3	0.6	177	22.8	22.8	7.7	7.7	28.2	28.2	90.3	90.3	6.6	6.6	14.2	14.2	8	8	89	89				<0.2	0.8							
						6.3	0.7	185	22.8	22.8	7.7	7.7	28.2	28.2	90.3	90.3	6.6	6.6	14.2	14.2	8	8	89	89				<0.2	0.7							
IM5	Cloudy	Moderate	14:44	7.2	Surface	1.0	1.0	212	23.0	23.0	7.6	7.6	25.4	25.4	92.4	92.4	6.8	6.8	4.9	4.9	5	5	85	85	88	820751	804884	<0.2	1.0	1.0						
						1.0	1.1	214	23.0	23.0	7.6	7.6	25.4	25.4	92.3	92.4	6.8	6.8	5.0	5.0	6	6	85	85				<0.2	0.9							
					Middle	3.6	0.9	203	22.8	22.8	7.7	7.7	27.5	27.5	92.1	92.1	6.8	6.8	7.8	7.8	7	7	88	88				<0.2	1.0							
						3.6	0.9	203	22.8	22.8	7.7	7.7	27.5	27.5	92.1	92.1	6.8	6.8	7.8	7.8	8	8	89	89				<0.2	1.0							
						6.2	0.7	198	22.8	22.8	7.7	7.7	27.9	27.9	91.4	91.4	6.7	6.7	10.0	10.0	8	8	90	90				<0.2	0.9							
						6.2	0.7	217	22.8	22.8	7.7	7.7	27.9	27.9	91.4	91.4	6.7	6.7	10.0	10.0	8	8	90	90				<0.2	1.0							
IM6	Cloudy	Moderate	14:55	6.7	Surface	1.0	0.9	249	23.2	23.2	7.7	7.7	23.9	23.9	92.2	92.2	6.9	6.9	6.2	6.2	6	6	85	85	87	821075	805838	<0.2	1.1	1.1						
						1.0	1.0	252	23.2	23.2	7.7	7.7	23.9	23.9	92.2	92.2	6.9	6.9	6.3	6.3	4	4	84	84				<0.2	1.1							
					Middle	3.4	0.7	241	22.8	22.8	7.7	7.7	27.6	27.6	88.9	88.9	6.5	6.5	10.9	10.9	4	4	88	88				<0.2	1.2							
						3.4	0.7	241	22.8	22.8	7.7	7.7	27.6	27.6	88.9	88.9	6.5	6.5	11.0	11.0	4	4	88	88				<0.2	1.2							
						5.7	0.5	242	22.7	22.7	7.7	7.7	28.1	28.1	88.6	88.7	6.5	6.5	15.5																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 20 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	Cloudy	Moderate	14:04	7.6	Surface	1.0	0.4	101	23.3	23.3	8.3	8.3	24.1	24.1	93.3	93.3	6.9	6.8	4.4	3	85	88	88	88	822109	808797	<0.2	<0.2	0.8	0.7										
						1.0	0.4	109	23.3	8.3	8.3	24.1	24.1	93.2	93.2	6.9	6.8	4.5	4	85	88	88	88																	
						3.8	0.4	102	23.0	8.3	8.3	26.1	26.1	91.0	91.0	6.7	6.7	9.3	3	88	88	88	88																	
					Middle	3.8	0.4	109	23.0	8.3	8.3	26.1	26.1	91.0	91.0	6.7	6.7	9.5	4	89	89	89	89	4							4	88	88	<0.2	<0.2	0.8	0.8			
						6.6	0.3	54	22.9	8.2	8.2	27.8	27.8	93.7	93.8	6.9	6.9	11.1	3	90	90	90	90																	
						6.6	0.4	54	22.9	8.2	8.2	27.7	27.7	93.8	93.8	6.9	6.9	10.7	4	90	90	90	90																	
					Bottom	1.0	0.7	139	23.3	23.3	8.2	8.2	24.1	24.1	93.8	93.8	7.0	6.9	6.0	4	85	85	85	85							88	822365	809795	<0.2	<0.2	0.8	0.7			
						1.0	0.8	144	23.3	23.0	8.2	8.2	24.1	24.1	93.7	93.7	7.0	6.2	3	4	86	88	88	88																
						3.9	0.6	131	22.9	22.9	8.2	8.2	26.5	26.5	91.8	91.8	6.8	6.8	12.9	4	88	88	88	88																
Middle	3.9	0.7	136	22.9	22.9	8.2	8.2	26.5	26.5	91.8	91.8	6.8	6.8	13.0	4	88	88	88	88	4	4	88	88	<0.2	<0.2	0.8	0.7													
	6.8	0.5	131	22.9	22.9	8.1	8.1	26.7	26.7	93.7	93.9	6.9	6.9	14.5	3	89	89	89	89																					
	6.8	0.6	132	22.9	22.9	8.1	8.1	26.7	26.7	94.0	94.0	6.9	6.9	14.3	3	90	90	90	90																					
IM11	Rainy	Moderate	13:41	8.5	Surface	1.0	0.9	103	23.2	23.2	8.2	8.2	24.5	24.5	93.9	93.8	7.0	6.9	6.4	5	85	85	85	85	822054	811458	<0.2	<0.2	0.8	0.8										
						1.0	0.9	107	23.2	23.0	8.2	8.2	24.5	24.5	93.7	93.7	7.0	7.1	4	4	85	88	88	88																
						4.3	0.8	102	23.0	23.0	8.2	8.2	26.7	26.7	91.6	91.6	6.7	6.7	9.8	5	88	88	88	88																
					Middle	4.3	0.9	107	23.0	23.0	8.2	8.2	26.7	26.7	91.6	91.6	6.7	6.7	9.6	4	88	88	88	88							10.3	10.3	5	5	88	88	<0.2	<0.2	0.8	0.7
						7.5	0.6	99	23.0	23.0	8.2	8.2	27.2	27.2	91.8	91.8	6.7	6.7	14.3	4	90	90	90	90																
						7.5	0.6	107	23.0	23.0	8.2	8.2	27.2	27.2	91.8	91.8	6.7	6.7	14.3	5	90	90	90	90																
					Bottom	1.0	0.8	102	23.3	23.3	8.3	8.3	23.9	23.9	93.9	93.9	7.0	6.8	5.3	5	84	85	85	85							88	821442	812045	<0.2	<0.2	0.8	0.8			
						1.0	0.9	106	23.3	23.0	8.3	8.3	23.9	23.9	93.8	93.8	7.0	5.4	5	4	85	88	88	88																
						5.4	0.6	87	23.0	23.0	8.2	8.2	27.0	27.0	90.2	90.2	6.6	6.6	10.2	4	88	88	88	88																
Middle	5.4	0.6	94	23.0	23.0	8.2	8.2	27.0	27.0	90.2	90.2	6.6	6.6	10.5	3	88	88	88	88	9.7	9.7	4	4	88	88	<0.2	<0.2	0.8	0.8											
	9.8	0.3	94	23.0	23.0	8.2	8.2	27.5	27.5	89.8	89.8	6.6	6.6	13.3	4	90	90	90	90																					
	9.8	0.3	99	23.0	23.0	8.2	8.2	27.5	27.5	89.7	89.7	6.6	6.6	13.2	4	90	90	90	90																					
SR1A	Rainy	Calm	13:01	5.2	Surface	1.0	-	-	23.1	23.1	8.2	8.2	25.7	25.7	95.0	95.0	7.0	7.0	5.2	6	-	-	-	-	819978	812658	-	-	-	-										
						1.0	-	-	23.1	23.1	8.2	8.2	25.8	25.7	94.9	94.9	7.0	5.3	6	-	-	-	-																	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	6.1	6	-	-	-	-		
						4.2	-	-	23.1	23.1	8.2	8.2	27.0	26.9	96.0	96.2	7.0	6.8	5	-	-	-	-																	
						4.2	-	-	23.1	23.1	8.2	8.2	26.9	26.9	96.3	96.2	7.1	6.9	5	-	-	-	-																	
					Bottom	1.0	0.3	111	23.1	23.0	8.2	8.2	25.5	25.5	97.3	97.4	7.2	7.2	3.2	5	85	85	85	85							88	821440	814151	<0.2	<0.2	0.8	0.7			
						1.0	0.4	117	23.0	23.0	8.2	8.2	25.5	25.5	97.4	97.4	7.2	3.2	5	4	85	88	88	88																
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	5	87	821440	814151	<0.2	<0.2	0.8	0.6										
	4.0	0.2	112	23.0	23.0	8.2	8.2	28.5	28.5	98.8	98.9	7.2	3.4	5	88	89	89	89																						
	4.0	0.2	113	23.0	23.0	8.2	8.2	28.5	28.5	99.0	99.0	7.2	3.3	5	88	89	89	89																						
Bottom	1.0	0.5	160	23.1	23.1	8.3	8.3	24.0	24.0	92.6	92.6	6.9	6.8	4.5	5	-	-	-	-	88	822150	807553	<0.2	<0.2	0.8	0.6														
	1.0	0.5	161	23.1	23.1	8.3	8.3	24.0	24.0	92.5	92.5	6.9	6.8	4.7	5	-	-	-	-																					
	4.7	0.3	163	22.9	22.9	8.3	8.3	26.5	26.5	90.7	90.7	6.7	6.7	8.6	4	-	-	-	-																					
Middle	4.7	0.3	171	22.9	22.9	8.3	8.3	26.5	26.5	90.7	90.7	6.7	6.7	8.7	4	-	-	-	-	7.8	7.8	5	5	88	88	<0.2	<0.2	0.8	0.8											
	8.3	0.1	315	22.8	22.8	8.3	8.3	28.2	28.2	92.1	92.1	6.7	10.0	5	-	-	-	-																						
	8.3	0.1	335	22.8	22.8	8.3	8.3	28.2	28.2	92.1	92.1	6.7	9.9	4	-	-	-	-																						
Bottom	1.0	0.2	82	22.8	22.8	7.7	7.7	27.6	27.6	88.8	88.8	6.5	6.5	5.7	6	-	-	-	-	88	817195	807790	-	-	-	-														
	1.0	0.2	88	22.8	22.8	7.7	7.7	27.6	27.6	88.9	88.9	6.5	5.8	7	-	-	-	-																						
	4.6	0.2	59	22.8	22.8	7.7	7.7	28.1	28.1	86.7	86.8	6.4	8.2	7	-	-	-	-																						
Middle	4.6	0.2	63	22.8	22.8	7.7	7.7	28.1	28.1	86.8	86.8	6.4	8.3	7	-	-	-	-	-	7.8	7	-	-	-	-															
	8.1	0.2	56	22.8	22.8	7.7	7.7	28.3	28.3	85.6	85.7	6.3	9.4	7	-	-	-	-																						
	8.1	0.2	60	22.8	22.8	7.7	7.7	28.3	28.3	85.7	85.7	6.3	9.2	7	-	-	-	-																						
Bottom	1.0	0.1	301	23.1	23.1	7.7	7.7	25.7	25.7	88.2	88.3	6.5	7.6	8	-	-	-	-	88	816592	810708	-	-	-	-															
	1.0	0.1	315	23.1	23.1	7.7	7.7	25.7	25.7	88.3	88.3	6.5	7.7	7	-	-	-	-																						
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																						
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	7	-	-	-	-															
	2.7	0.1	320	23.0	23.0	7.7	7.7	26.5	26.5	85.9	85.9	6.3	10.0	7	-	-	-	-																						
	2.7	0.1	332	23.0	23.0	7.7	7.7	26.5	26.5	85.9	85.9	6.3	9.9	6	-	-	-	-																						
Bottom	1.0	0.1	12	23.1	23.1	7.7	7.7	25.4	25.4	94.1	94.1	7.0	10.3	8	-	-	-	-	88	817979	814751	-	-	-	-															
	1.0	0.1	12	23.1	23.1	7.7	7.7	25.4	25.4	94.0	94.0	7.0	10.2	8	-	-	-	-																						
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																						
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.2	7	-	-	-	-															
	3.2	0.1	23																																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 April 20 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						
C1	Cloudy	Moderate	19:15	8.0	Surface	1.0	0.4	40	22.8	22.8	7.7	7.7	27.0	27.0	90.2	90.2	6.7	6.7	9.8	12.6	10	10	86	89	815639	804233	<0.2	0.9	<0.2	0.9							
						1.0	0.4	43	22.8	7.7	7.7	27.0	27.0	90.2	90.2	6.7	6.7	9.8	11	86	88																
					Middle	4.0	0.4	26	22.8	22.8	7.7	7.7	27.9	27.9	89.7	89.7	6.6	6.6	12.1	11	89	88															
						4.0	0.5	26	22.8	22.8	7.7	7.7	27.9	27.9	89.6	89.6	6.6	6.6	12.1	10	90	88															
					Bottom	7.0	0.4	30	22.8	22.8	7.8	7.8	28.3	28.3	88.7	88.7	6.5	6.5	16.0	10	91	89															
						7.0	0.4	32	22.8	22.8	7.8	7.8	28.3	28.3	88.6	88.6	6.5	6.5	15.9	10	91	89															
C2	Cloudy	Moderate	18:02	10.8	Surface	1.0	0.7	209	23.0	23.0	8.2	8.2	22.3	22.3	91.4	91.4	6.9	6.9	7.8	10.2	6	5	84	88	825660	806957	<0.2	1.1	<0.2	1.0							
						1.0	0.7	211	23.0	8.2	8.2	22.3	22.3	91.4	91.4	6.9	6.9	8.0	4	85	88																
					Middle	5.4	0.5	203	23.1	23.1	8.2	8.2	26.2	26.2	89.9	89.9	6.6	6.6	11.1	5	88	88															
						5.4	0.5	222	23.1	23.1	8.2	8.2	26.2	26.2	89.9	89.9	6.6	6.6	11.1	5	88	88															
					Bottom	9.8	0.2	274	23.0	23.0	8.2	8.2	26.8	26.8	90.1	90.1	6.6	6.6	11.6	5	90	89															
						9.8	0.2	293	23.0	23.0	8.2	8.2	26.8	26.8	90.1	90.1	6.6	6.6	11.7	6	90	89															
C3	Rainy	Moderate	20:00	12.2	Surface	1.0	0.7	252	22.9	22.9	8.3	8.3	27.8	27.8	92.5	92.5	6.8	6.8	3.6	5.7	6	5	87	89	822122	817790	<0.2	0.8	<0.2	0.7							
						1.0	0.7	273	22.9	22.9	8.3	8.3	27.7	27.7	92.5	92.5	6.8	6.8	3.7	4	88	88															
					Middle	6.1	0.6	245	22.6	22.6	8.3	8.3	30.0	30.0	91.4	91.4	6.6	6.6	6.0	5	88	88															
						6.1	0.6	265	22.6	22.6	8.3	8.3	30.0	30.0	91.4	91.4	6.6	6.6	6.3	4	88	88															
					Bottom	11.2	0.3	250	22.6	22.6	8.3	8.3	30.3	30.2	92.0	92.1	6.7	6.7	7.3	4	90	89															
						11.2	0.3	270	22.6	22.6	8.3	8.3	30.2	30.2	92.1	92.1	6.7	6.7	7.3	4	91	89															
IM1	Cloudy	Moderate	18:53	4.5	Surface	1.0	0.2	19	22.8	22.8	7.7	7.7	27.6	27.6	85.4	85.5	6.3	6.3	10.7	10.6	12	14	87	88	817932	807148	<0.2	0.7	<0.2	0.8							
						1.0	0.2	19	22.8	7.7	7.7	27.6	27.6	85.5	85.5	6.3	6.3	10.7	13	87	88																
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	3.5	0.1	11	22.7	22.7	7.7	7.7	27.6	27.6	85.6	85.6	6.3	6.3	10.5	14	89	89															
						3.5	0.1	11	22.7	22.7	7.7	7.7	27.6	27.6	85.6	85.6	6.3	6.3	10.6	16	89	89															
IM2	Cloudy	Moderate	18:44	6.5	Surface	1.0	0.4	355	22.8	22.8	7.7	7.7	27.3	27.3	89.0	89.0	6.6	6.6	8.7	10.5	12	12	85	88	818182	806143	<0.2	0.7	<0.2	0.7							
						1.0	0.4	327	22.8	22.8	7.7	7.7	27.3	27.3	89.0	89.0	6.6	6.6	8.7	13	86	88															
					Middle	3.3	0.3	356	22.8	22.8	7.7	7.7	27.4	27.4	88.6	88.7	6.5	6.5	9.9	13	88	88															
						3.3	0.4	328	22.8	22.8	7.7	7.7	27.4	27.4	88.7	88.7	6.5	6.5	10.0	12	89	89															
					Bottom	5.5	0.4	345	22.8	22.8	7.7	7.7	27.8	27.8	87.5	87.6	6.4	6.4	12.8	11	90	89															
						5.5	0.4	317	22.8	22.8	7.7	7.7	27.8	27.8	87.7	87.6	6.4	6.4	12.6	12	90	89															
IM3	Cloudy	Moderate	18:37	6.8	Surface	1.0	0.4	332	22.8	22.8	7.7	7.7	27.3	27.3	87.6	87.6	6.4	6.4	13.1	15.9	15	14	86	88	818761	805586	<0.2	0.9	<0.2	1.1							
						1.0	0.4	349	22.8	22.8	7.7	7.7	27.3	27.3	87.5	87.5	6.4	6.4	13.1	14	85	88															
					Middle	3.4	0.4	340	22.8	22.8	7.7	7.7	27.5	27.5	87.4	87.4	6.4	6.4	15.1	13	89	88															
						3.4	0.4	313	22.8	22.8	7.7	7.7	27.5	27.5	87.4	87.4	6.4	6.4	15.1	14	88	88															
					Bottom	5.8	0.3	328	22.8	22.8	7.7	7.7	27.9	27.9	87.1	87.1	6.4	6.4	19.2	14	90	89															
						5.8	0.3	337	22.8	22.8	7.7	7.7	27.9	27.9	87.1	87.1	6.4	6.4	19.5	16	90	89															
IM4	Cloudy	Moderate	18:26	7.5	Surface	1.0	0.4	295	22.8	22.8	7.7	7.7	26.6	26.6	88.9	89.0	6.6	6.6	6.2	7.8	12	13	85	88	819742	804593	<0.2	0.9	<0.2	1.0							
						1.0	0.4	307	22.8	22.8	7.7	7.7	26.6	26.6	89.0	89.0	6.6	6.6	6.2	12	85	88															
					Middle	3.8	0.5	307	22.7	22.7	7.7	7.7	27.6	27.6	88.8	88.9	6.5	6.5	7.1	12	88	88															
						3.8	0.5	320	22.7	22.7	7.7	7.7	27.6	27.6	88.9	88.9	6.5	6.5	7.2	13	88	88															
					Bottom	6.5	0.4	313	22.7	22.7	7.7	7.7	28.0	28.0	88.1	88.1	6.5	6.5	10.0	13	90	89															
						6.5	0.5	336	22.7	22.7	7.7	7.7	28.0	28.0	88.0	88.1	6.5	6.5	10.1	14	90	89															
IM5	Cloudy	Moderate	18:18	6.3	Surface	1.0	0.4	271	23.1	23.1	7.6	7.6	23.7	23.7	91.5	91.5	6.8	6.8	14.0	15.6	19	20	85	88	820729	804856	<0.2	0.9	<0.2	1.1							
						1.0	0.4	283	23.1	23.1	7.6	7.6	23.7	23.7	91.4	91.4	6.8	6.8	14.1	20	85	88															
					Middle	3.2	0.3	267	23.1	23.1	7.6	7.6	23.7	23.7	91.1	91.2	6.8	6.8	16.1	20	88	88															
						3.2	0.3	278	23.1	23.1	7.6	7.6	23.7	23.7	91.2	91.2	6.8	6.8	15.8	21	89	89															
					Bottom	5.3	0.3	276	23.1	23.1	7.6	7.6	23.7	23.7	90.9	90.9	6.8	6.8	16.6	21	90	89															
						5.3	0.3	296	23.1	23.1	7.6	7.6	23.7	23.7	90.9	90.9	6.8	6.8	16.7	20	90	89															
IM6	Cloudy	Moderate	18:10	6.5	Surface	1.0	0.7	260	23.1	23.1	7.6	7.6	23.6	23.6	91.9	91.9	6.9	6.9	17.5	14.1	17	17	85	88	821036	805845	<0.2	0.8	<0.2	1.1							
						1.0	0.7	270	23.1	23.1	7.6	7.6	23.6	23.6	91.9	91.9	6.9	6.9	17.3	15	85	88															
					Middle	3.3	0.6	262	23.1	23.1	7.6	7.6	23.7	23.7	91.3	91.3	6.8	6.8	12.8	16	88	88															
						3.3	0.6	265	23.1	23.1	7.6	7.6	23.7	23.7	91.2	91.3	6.8	6.8	12.7	17	88	88															
					Bottom	5.5	0.5	255	23.1	23.1	7.7	7.7	23.7	23.7	90.1	90.1	6.7	6.7	12.1	18	89	89															
						5.5	0.5	256	23.1	23.1	7.7	7.7	23.7	23.7	90.0	90.1	6.7	6.7	11.9	16	89	89															
IM7	Cloudy	Moderate	18:01	7.4	Surface	1.0	0.7	242	23.1	23.1	7.6	7.6	23.6	23.6	92.0	92.0	6.9	6.9	11.2	13.0	11	12	84	87	821343	806851	<0.2	0.9	<0.2	1.2							
						1.0	0.7	254	23.1	23.1	7.6	7.6	23.6	23.6	92.0	92.0	6.9	6.9	11.3	10	85	87															
					Middle	3.7	0.6	244	23.1	23.1	7.6	7.6	23.6	23.6	92.0	92.0	6.9	6.9	12.9	11	87	87															
						3.7	0.6	266	23.1	23.1	7.6	7.6	23.6	23.6	91.9	92.0	6.9	6.9	13.0	13	87	87															
					Bottom	6.4	0.6	253	23.1	23.1	7.7	7.7	23.7	23.7	91.5	91.5	6.8	6.8	14.7	15	89	89															
						6.4	0.6	263	23.1	23.1	7.7	7.7	23.7	23.7	91.5	91.5	6.8	6.8	14.7	14	89																

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

Water Quality Monitoring Results on 23 April 20 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	18:32	6.8	Surface	1.0	0.3	265	23.2	23.2	8.3	8.3	23.9	23.9	93.9	94.0	7.0	7.0	12.5	11	85	88	822097	808791	<0.2	0.9	<0.2	0.9						
						1.0	0.3	277	23.2	8.3	8.3	23.9	23.9	94.0	94.0	7.0	7.0	12.7	10	85	88													
						3.4	0.3	267	23.2	8.2	8.2	23.9	23.9	93.9	93.9	7.0	7.0	13.1	10	89	89													
					3.4	0.4	284	23.2	8.2	8.2	23.9	23.9	93.9	93.9	7.0	7.0	13.0	9	90	90														
					5.8	0.2	279	23.2	8.2	8.2	24.1	24.1	94.5	94.5	7.0	7.0	13.9	9	90	90														
					5.8	0.2	290	23.2	8.2	8.2	24.1	24.1	94.5	94.5	7.0	7.0	13.9	10	90	90														
IM10	Cloudy	Moderate	18:41	7.0	Surface	1.0	0.4	267	23.2	23.2	8.3	8.3	24.1	24.1	94.1	94.1	7.0	7.0	5.8	19	86	89	822375	809800	<0.2	0.9	<0.2	0.9						
						1.0	0.4	293	23.2	8.3	8.3	24.1	24.1	94.1	94.1	7.0	7.0	5.9	17	87	89													
						3.5	0.4	282	23.1	8.2	8.2	24.4	24.4	94.2	94.2	7.0	7.0	7.1	13	89	89													
					3.5	0.4	299	23.1	8.2	8.2	24.4	24.4	94.2	94.2	7.0	7.0	7.1	12	89	89														
					6.0	0.3	286	23.1	8.2	8.2	24.5	24.5	95.4	95.8	7.1	7.1	7.1	11	90	90														
					6.0	0.3	286	23.1	8.2	8.2	24.5	24.5	96.1	95.8	7.1	7.1	7.3	11	90	90														
IM11	Cloudy	Moderate	18:54	7.7	Surface	1.0	0.5	319	23.2	23.2	8.2	8.2	25.0	25.0	93.2	93.2	6.9	6.9	10.8	11	85	86	822053	811480	<0.2	0.9	<0.2	0.9						
						1.0	0.5	341	23.2	8.2	8.2	25.0	25.0	93.1	93.1	6.9	6.9	10.6	12	86	88													
						3.9	0.5	319	23.1	8.2	8.2	25.2	25.2	93.1	93.2	6.9	6.9	11.9	11	88	89													
					3.9	0.5	339	23.1	8.2	8.2	25.2	25.2	93.3	93.2	6.9	6.9	11.8	10	89	89														
					6.7	0.4	321	23.1	8.2	8.2	25.2	25.2	94.1	94.1	7.0	7.0	13.1	10	89	89														
					6.7	0.4	334	23.1	8.2	8.2	25.2	25.2	94.0	94.1	7.0	7.0	13.2	11	89	89														
IM12	Cloudy	Moderate	19:01	8.2	Surface	1.0	0.5	316	23.1	23.1	8.3	8.3	24.9	24.9	93.6	93.6	7.0	7.0	6.4	18	84	84	821439	812054	<0.2	1.0	<0.2	1.0						
						1.0	0.6	336	23.1	8.3	8.3	24.9	24.9	93.6	93.6	6.9	6.9	6.6	19	84	89													
						4.1	0.6	312	23.1	8.3	8.3	25.3	25.3	92.7	92.7	6.9	6.9	9.5	11	89	89													
					4.1	0.6	323	23.1	8.3	8.3	25.3	25.3	92.7	92.7	6.9	6.9	9.2	10	89	89														
					7.2	0.5	308	23.1	8.3	8.3	25.5	25.5	95.2	95.3	7.0	7.0	10.9	9	90	90														
					7.2	0.5	314	23.1	8.3	8.3	25.5	25.5	95.3	95.3	7.1	7.1	10.8	8	90	90														
SR1A	Cloudy	Calm	19:21	4.6	Surface	1.0	-	-	23.1	23.1	8.2	8.1	25.2	25.2	92.9	93.2	6.9	6.9	4.3	6	-	-	819977	812655	-	-	-	-						
						1.0	-	-	23.1	23.1	8.1	8.1	25.2	25.2	93.4	93.2	6.9	6.9	4.3	6	-	-												
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.6	-	-	23.1	23.1	8.0	8.0	25.3	25.3	97.3	97.4	7.2	7.2	4.4	9	-	-													
					3.6	-	-	23.1	23.1	8.0	8.0	25.3	25.3	97.5	97.4	7.2	7.2	4.4	8	-	-													
SR2	Cloudy	Moderate	19:34	4.5	Surface	1.0	0.3	304	23.0	23.0	8.3	8.3	26.3	26.3	93.5	93.6	6.9	6.9	9.3	11	85	86	821452	814161	<0.2	0.9	<0.2	0.9						
						1.0	0.3	327	23.0	8.3	8.3	26.3	26.3	93.7	93.5	6.9	6.9	9.2	12	86	88													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					3.5	0.3	303	23.0	8.2	8.2	26.4	26.4	95.7	95.7	7.1	7.1	10.7	12	88	89														
					3.5	0.3	309	23.0	8.2	8.2	26.3	26.3	96.2	96.0	7.1	7.1	10.5	13	89	89														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
SR3	Cloudy	Moderate	18:18	8.2	Surface	1.0	0.5	198	23.1	23.1	8.3	8.3	23.7	23.7	93.1	93.1	7.0	7.0	9.3	8	-	-	822163	807557	-	-	-	-						
						1.0	0.6	216	23.1	8.3	8.3	23.7	23.7	93.1	93.1	7.0	7.0	9.4	8	-	-													
						4.1	0.4	215	23.1	8.3	8.3	24.1	24.1	93.3	93.4	7.0	7.0	8.9	9	-	-													
					4.1	0.4	217	23.1	8.3	8.3	24.1	24.1	93.4	93.4	7.0	7.0	8.6	8	-	-														
					7.2	0.4	234	23.1	8.3	8.3	24.2	24.2	94.1	94.2	7.0	7.0	11.1	7	-	-														
					7.2	0.4	244	23.1	8.3	8.3	24.2	24.2	94.3	94.2	7.0	7.0	11.5	7	-	-														
SR4A	Cloudy	Calm	19:35	9.6	Surface	1.0	0.1	123	23.0	23.0	7.7	7.7	26.4	26.4	86.7	86.7	6.4	6.4	17.5	19	-	-	817188	807786	-	-	-	-						
						1.0	0.1	129	23.0	7.7	7.7	26.4	26.4	86.7	86.7	6.4	6.4	17.6	20	-	-													
						4.8	0.1	69	23.0	7.7	7.7	26.5	26.5	86.3	86.3	6.4	6.4	19.2	19	-	-													
					4.8	0.1	71	23.0	7.7	7.7	26.5	26.5	86.3	86.3	6.4	6.4	21.1	21	-	-														
					8.6	0.1	45	22.9	7.7	7.7	26.6	26.6	85.8	85.8	6.3	6.3	21.1	19	-	-														
					8.6	0.1	46	22.9	7.7	7.7	26.6	26.6	85.8	85.8	6.3	6.3	21.5	21	-	-														
SR5A	Cloudy	Calm	19:54	3.7	Surface	1.0	0.1	256	23.0	23.0	7.7	7.7	25.8	25.8	87.8	87.8	6.5	6.5	15.2	13	-	-	816598	810690	-	-	-	-						
						1.0	0.1	261	23.0	7.7	7.7	25.8	25.8	87.8	87.8	6.5	6.5	15.3	13	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					2.7	0.1	270	23.0	7.8	7.8	25.8	25.8	87.2	87.2	6.5	6.5	18.0	16	-	-														
					2.7	0.1	286	23.0	7.8	7.8	25.8	25.8	87.2	87.2	6.4	6.4	17.8	15	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR6A	Cloudy	Calm	20:23	4.1	Surface	1.0	0.0	181	23.0	23.0	7.6	7.6	25.4	25.4	91.6	91.6	6.8	6.8	9.6	12	-	-	817979	814732	-	-	-	-						
						1.0	0.0	191	23.0	7.6	7.6	25.4	25.4	91.6	91.6	6.8	6.8	9.6	12	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.1	0.0	141	23.0	7.7	7.7	25.5	25.5	90.9	91.0	6.7	6.7	9.7	11	-	-														
					3.1	0.0	154	23.0	7.7	7.7	25.5	25.5	91.0	91.0	6.7	6.7	9.7	12	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR7	Rainy	Moderate	20:35	16.8	Surface	1.0	0.1	217	22.8	22.8	8.3	8.3	28.9	28.9	91.4	91.4	6.7	6.7	3.0	5	-	-	823612	823725	-	-	-	-						
						1.0	0.1	232	22.8	8.3	8.3	28.9	28.9	91.3	91.3	6.7	6.7	3.2	4	-	-													
						8.4	0.0	36	22.5	8.3	8.3	30.9	30.9	90.3	90.3	6.5	6.5	5.2	5	-	-													
					8.4	0.0	37	22.5	8.3	8.3	30.9	30.9	90.3	90.3	6.5	6.5	5.2	4	-	-														
					15.8	0.1	121	22.4	8.3	8.3	31.3	31.3	91.6	91.7	6.6	6.6	5.3	3	-	-														
					15.8	0.1	122	22.4	8.3	8.3	31.3	31.3	91.8	91.8	6.6	6.6	5.3	4	-	-														
SR8	Cloudy	Moderate	19:12	4.8	Surface	1.0	-	-	23.1	23.1	8.3	8.3	24.7	24.7	93.5	93.6	6.9	6.9	9.9	8	-	-	820369	811643	-	-	-	-						
						1.0	-	-	23.1	23.1	8.3	8.3	24.7	24.7	93.6	93.6	7.0	7.0	10															

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 20 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	Cloudy	Moderate	13:47	8.3	Surface	1.0	0.4	229	22.3	22.3	7.5	7.5	28.6	28.6	89.4	89.5	6.6	6.6	6.7	6.7	10	87	89	815640	804227	<0.2	1.0	1.0	1.0		
						1.0	0.5	242	22.3	22.3	7.5	7.5	28.6	28.6	89.5	89.5	6.6	6.6	6.7	6.7	10	87	89	815640	804227	<0.2	1.0	1.0	1.0		
						4.2	0.4	203	22.1	22.1	7.5	7.5	31.3	31.3	91.2	91.3	6.6	6.6	9.8	9.8	9	89	89	815640	804227	<0.2	1.0	1.0	1.0		
					Middle	4.2	0.4	204	22.1	22.1	7.5	7.5	31.3	31.3	91.3	91.3	6.6	6.6	9.8	9.8	9	89	89	815640	804227	<0.2	1.0	1.0	1.0		
						7.3	0.3	203	22.2	22.2	7.5	7.5	31.7	31.7	90.8	90.8	6.6	6.6	12.2	12.1	8	91	91	815640	804227	<0.2	1.0	1.0	1.0		
						7.3	0.3	219	22.2	22.2	7.5	7.5	31.7	31.7	90.9	90.9	6.6	6.6	12.1	12.1	8	92	92	815640	804227	<0.2	1.0	1.0	1.0		
					Bottom	1.0	0.3	147	22.4	22.4	8.1	8.1	27.2	27.2	85.9	85.9	6.4	6.4	9.9	9.9	12	86	86	815640	804227	<0.2	1.7	1.7	1.7		
						1.0	0.4	150	22.4	22.4	8.1	8.1	27.2	27.2	85.9	85.9	6.4	6.4	10.1	10.1	11	86	86	815640	804227	<0.2	1.8	1.8	1.8		
						5.7	0.4	129	22.4	22.4	8.1	8.1	28.0	28.1	85.4	85.4	6.3	6.3	11.4	11.4	12	87	87	815640	804227	<0.2	1.7	1.7	1.7		
C2	Rainy	Moderate	12:37	11.4	Surface	5.7	0.4	129	22.4	22.4	8.1	8.1	28.1	28.1	85.4	85.4	6.3	6.3	11.4	11.4	12	88	88	825666	806924	<0.2	1.8	1.8	1.8		
						10.4	0.4	143	22.4	22.4	8.1	8.1	28.5	28.5	85.7	85.7	6.3	6.3	14.9	13	90	90	825666	806924	<0.2	1.8	1.8	1.8			
						10.4	0.4	147	22.4	22.4	8.1	8.1	28.5	28.5	85.8	85.8	6.3	6.3	15.5	12	91	91	825666	806924	<0.2	1.8	1.8	1.8			
					Middle	1.0	0.5	56	22.4	22.4	8.1	8.1	28.4	28.5	85.9	85.9	6.3	6.3	6.4	8	86	86	825666	806924	<0.2	1.3	1.3	1.3			
						1.0	0.6	59	22.4	22.4	8.1	8.1	28.5	28.5	85.8	85.8	6.3	6.3	6.5	7	86	86	825666	806924	<0.2	1.2	1.2	1.2			
						6.3	0.4	60	22.4	22.4	8.1	8.1	29.3	29.4	85.4	85.4	6.3	6.3	6.9	10	89	89	825666	806924	<0.2	1.3	1.3	1.3			
					Bottom	6.3	0.4	63	22.4	22.4	8.1	8.1	29.4	29.4	85.4	85.4	6.3	6.3	6.8	9	88	88	825666	806924	<0.2	1.2	1.2	1.2			
						11.6	0.3	40	22.3	22.3	8.1	8.1	30.1	30.1	86.0	86.0	6.3	6.3	6.4	11	90	90	825666	806924	<0.2	1.2	1.2	1.2			
						11.6	0.3	41	22.3	22.3	8.1	8.1	30.1	30.1	86.2	86.2	6.3	6.3	6.5	11	90	90	825666	806924	<0.2	1.2	1.2	1.2			
C3	Rainy	Moderate	14:22	12.6	Surface	1.0	0.5	56	22.4	22.4	8.1	8.1	28.4	28.5	85.9	85.9	6.3	6.3	6.4	8	86	86	822123	817789	<0.2	1.3	1.3	1.3			
						1.0	0.6	59	22.4	22.4	8.1	8.1	28.5	28.5	85.8	85.8	6.3	6.3	6.5	7	86	86	822123	817789	<0.2	1.2	1.2	1.2			
						6.3	0.4	60	22.4	22.4	8.1	8.1	29.3	29.4	85.4	85.4	6.3	6.3	6.9	10	89	89	822123	817789	<0.2	1.3	1.3	1.3			
					Middle	6.3	0.4	63	22.4	22.4	8.1	8.1	29.4	29.4	85.4	85.4	6.3	6.3	6.8	9	88	88	822123	817789	<0.2	1.2	1.2	1.2			
						11.6	0.3	40	22.3	22.3	8.1	8.1	30.1	30.1	86.0	86.0	6.3	6.3	6.4	11	90	90	822123	817789	<0.2	1.2	1.2	1.2			
						11.6	0.3	41	22.3	22.3	8.1	8.1	30.1	30.1	86.2	86.2	6.3	6.3	6.5	11	90	90	822123	817789	<0.2	1.2	1.2	1.2			
					Bottom	1.0	0.1	190	22.3	22.3	7.5	7.5	28.4	28.4	88.5	88.5	6.5	6.5	13.0	10	87	87	822123	817789	<0.2	1.2	1.2	1.2			
						1.0	0.1	194	22.3	22.3	7.5	7.5	28.4	28.4	88.5	88.5	6.5	6.5	13.0	10	87	87	822123	817789	<0.2	1.1	1.1	1.1			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817927	807129	<0.2	1.1	1.1	1.1
IM1	Cloudy	Moderate	13:27	5.1	Surface	4.1	0.2	175	22.2	22.2	7.5	7.5	30.1	30.1	90.7	90.7	6.6	6.6	15.1	8	89	89	817927	807129	<0.2	1.1	1.1	1.1			
						4.1	0.2	190	22.2	22.2	7.5	7.5	30.1	30.1	90.7	90.7	6.6	6.6	15.0	9	89	89	817927	807129	<0.2	1.1	1.1	1.1			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817927	807129	<0.2	1.1	1.1	1.1
					Middle	1.0	0.2	181	22.3	22.3	7.5	7.5	28.5	28.5	90.9	91.0	6.7	6.7	8.0	9	85	85	818156	806150	<0.2	1.2	1.2	1.2			
						1.0	0.2	183	22.3	22.3	7.5	7.5	28.5	28.5	91.1	91.1	6.7	6.7	8.0	9	85	85	818156	806150	<0.2	1.1	1.1	1.1			
						3.6	0.2	156	22.2	22.2	7.5	7.5	30.1	30.1	91.6	91.6	6.7	6.7	10.3	8	88	88	818156	806150	<0.2	1.2	1.2	1.2			
					Bottom	3.6	0.3	165	22.2	22.2	7.5	7.5	30.1	30.1	91.4	91.5	6.7	6.7	10.5	9	88	88	818156	806150	<0.2	1.2	1.2	1.2			
						6.2	0.2	138	22.2	22.2	7.5	7.5	30.8	30.8	90.9	91.0	6.6	6.6	12.8	8	90	90	818156	806150	<0.2	1.3	1.3	1.3			
						6.2	0.2	147	22.2	22.2	7.5	7.5	30.8	30.8	91.0	91.0	6.6	6.6	12.7	9	89	89	818156	806150	<0.2	1.1	1.1	1.1			
IM2	Cloudy	Moderate	13:19	7.2	Surface	1.0	0.2	146	22.2	22.2	7.5	7.5	28.5	28.5	90.6	90.7	6.7	6.7	5.4	9	85	85	818790	805601	<0.2	1.2	1.2	1.2			
						1.0	0.2	158	22.2	22.2	7.5	7.5	28.5	28.5	90.7	90.7	6.7	6.7	5.5	8	85	85	818790	805601	<0.2	1.2	1.2	1.2			
						3.8	0.3	148	22.3	22.3	7.5	7.5	29.0	29.0	89.9	90.0	6.6	6.6	9.2	9	88	88	818790	805601	<0.2	1.2	1.2	1.2			
					Middle	3.8	0.3	150	22.3	22.3	7.5	7.5	29.0	29.0	90.0	90.0	6.6	6.6	9.2	8	88	88	818790	805601	<0.2	1.2	1.2	1.2			
						6.5	0.3	145	22.2	22.2	7.5	7.5	31.0	31.0	91.6	91.6	6.7	6.7	14.7	9	90	90	818790	805601	<0.2	1.2	1.2	1.2			
						6.5	0.3	150	22.2	22.2	7.5	7.5	31.0	31.0	91.6	91.6	6.7	6.7	14.4	10	90	90	818790	805601	<0.2	1.2	1.2	1.2			
					Bottom	1.0	0.5	187	22.3	22.3	7.5	7.5	28.5	28.5	89.6	89.7	6.6	6.6	8.2	10	85	85	819722	804620	<0.2	1.2	1.2	1.2			
						1.0	0.6	201	22.3	22.3	7.5	7.5	28.5	28.5	89.8	89.8	6.6	6.6	8.2	8	86	86	819722	804620	<0.2	1.2	1.2	1.2			
						4.2	0.3	157	22.2	22.2	7.6	7.6	30.3	30.3	91.3	91.3	6.7	6.7	8.1	9	88	88	819722	804620	<0.2	1.2	1.2	1.2			
Bottom	4.2	0.3	161	22.2	22.2	7.6	7.6	30.3	30.3	91.3	91.3	6.7	6.7	8.1	8	88	88	819722	804620	<0.2	1.2	1.2	1.2								
	7.4	0.2	146	22.2	22.2	7.6	7.6	31.3	31.3	90.8	90.9	6.6	6.6	11.3	8	90	90	819722	804620	<0.2	1.3	1.3	1.3								
	7.4	0.3	154	22.2	22.2	7.6	7.6	31.3	31.3	90.9	90.9	6.6	6.6	11.1	9	90	90	819722	804620	<0.2	1.2	1.2	1.2								
IM3	Cloudy	Moderate	13:12	7.5	Surface	1.0	0.4	222	22.3	22.3	7.5	7.5	28.1	28.1	89.2	89.2	6.6	6.6	8.5	8	85	85	820723	804875	<0.2	1.4	1.4	1.4			
						1.0	0.4	233	22.3	22.3	7.5	7.5	28.1	28.1																	



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

Water Quality Monitoring

Water Quality Monitoring Results on 25 April 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
C1	Cloudy	Moderate	08:14	8.2	Surface	1.0	0.5	44	22.0	22.0	7.6	7.6	28.0	28.0	90.2	90.2	6.7	6.7	7.8	10	86	89	815610	804238	<0.2	1.2	1.1	1.1				
						1.0	0.6	44	22.0	7.6	7.6	28.0	28.0	90.2	90.2	6.7	6.7	7.8	8	87	89	<0.2	1.1	1.1	1.1							
					Middle	4.1	0.5	39	22.2	22.2	7.7	7.7	30.3	30.3	90.8	90.8	6.6	6.6	10.8	9	90	89	<0.2	1.1	1.1	1.1						
						4.1	0.5	39	22.2	22.2	7.7	7.7	30.3	30.3	90.8	90.8	6.6	6.6	10.5	8	89	89	<0.2	1.1	1.1	1.1						
					Bottom	7.2	0.6	34	22.2	22.2	7.7	7.7	31.0	31.0	90.1	90.1	6.6	6.6	13.7	8	91	89	<0.2	1.1	1.1	1.1						
						7.2	0.7	36	22.2	22.2	7.7	7.7	31.0	31.0	90.0	90.0	6.6	6.6	13.4	8	92	89	<0.2	1.2	1.1	1.1						
C2	Cloudy	Moderate	08:39	12.2	Surface	1.0	0.5	28	22.5	22.5	8.1	8.1	25.4	25.5	88.4	88.4	6.6	6.6	5.9	7	86	88	825658	806960	<0.2	1.4	1.4	1.4				
						1.0	0.5	28	22.5	8.1	8.1	25.5	25.5	88.4	88.4	6.6	6.6	5.9	7	86	88	<0.2	1.4	1.4	1.4							
					Middle	6.1	0.6	8	22.5	22.5	8.1	8.1	25.9	25.9	88.7	88.7	6.6	6.6	8.3	7	89	88	<0.2	1.5	1.5	1.5						
						6.1	0.6	8	22.5	22.5	8.1	8.1	26.0	26.0	88.8	88.8	6.6	6.6	9.1	7	88	88	<0.2	1.3	1.3	1.3						
					Bottom	11.2	0.5	4	22.5	22.5	8.1	8.1	26.4	26.4	92.1	92.1	6.9	6.9	16.0	7	90	89	<0.2	1.3	1.3	1.3						
						11.2	0.5	4	22.5	22.5	8.1	8.1	26.4	26.4	92.5	92.5	6.9	6.9	15.3	8	90	89	<0.2	1.4	1.4	1.4						
C3	Cloudy	Moderate	06:36	12.0	Surface	1.0	0.5	279	22.4	22.4	8.1	8.1	27.1	27.1	86.8	86.8	6.4	6.4	5.0	10	86	88	822124	817824	<0.2	1.1	1.1	1.1				
						1.0	0.5	294	22.4	22.4	8.1	8.1	27.2	27.1	86.7	86.7	6.4	6.4	5.0	9	88	88	<0.2	1.1	1.1	1.1						
					Middle	6.0	0.5	267	22.4	22.4	8.1	8.1	27.7	27.7	86.8	86.8	6.4	6.4	6.9	7	88	89	<0.2	1.2	1.2	1.2						
						6.0	0.6	277	22.4	22.4	8.1	8.1	27.7	27.7	86.8	86.8	6.4	6.4	7.8	7	89	89	<0.2	1.0	1.0	1.0						
					Bottom	11.0	0.4	266	22.3	22.3	8.1	8.1	29.5	29.5	87.2	87.2	6.4	6.4	13.0	8	91	89	<0.2	1.0	1.0	1.0						
						11.0	0.5	278	22.3	22.3	8.1	8.1	29.5	29.5	87.4	87.4	6.4	6.4	12.6	7	90	89	<0.2	1.1	1.1	1.1						
IM1	Cloudy	Moderate	08:32	5.3	Surface	1.0	0.2	16	22.2	22.2	7.7	7.7	28.2	28.2	85.5	85.5	6.3	6.3	14.0	14	87	89	817928	807135	<0.2	1.1	1.1	1.1				
						1.0	0.2	16	22.2	22.2	7.7	7.7	28.2	28.2	85.5	85.5	6.3	6.3	14.1	13	87	89	<0.2	1.0	1.0	1.0						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.1	27	22.3	22.3	7.7	7.7	28.4	28.4	85.8	85.9	6.3	6.3	15.7	11	90	89	<0.2	0.9	0.9	0.9						
						4.3	0.1	28	22.3	22.3	7.7	7.7	28.4	28.4	85.9	85.9	6.3	6.3	15.8	12	90	89	<0.2	1.0	1.0	1.0						
IM2	Cloudy	Moderate	08:40	7.6	Surface	1.0	0.5	3	21.9	21.9	7.6	7.6	28.0	28.0	90.2	90.2	6.7	6.7	5.0	10	86	88	818170	806157	<0.2	0.9	0.9	0.9				
						1.0	0.5	3	21.9	21.9	7.6	7.6	28.0	28.0	90.2	90.2	6.7	6.7	5.1	9	85	88	<0.2	0.9	0.9	0.9						
					Middle	3.8	0.4	2	22.2	22.2	7.6	7.6	28.9	28.9	89.6	89.7	6.6	6.6	12.1	9	88	88	<0.2	0.9	0.9	0.9						
						3.8	0.4	2	22.2	22.2	7.6	7.6	28.9	28.9	89.7	89.7	6.6	6.6	12.2	10	88	88	<0.2	0.9	0.9	0.9						
					Bottom	6.6	0.4	355	22.2	22.2	7.6	7.6	29.1	29.1	90.0	90.0	6.6	6.6	16.1	10	90	89	<0.2	0.9	0.9	0.9						
						6.6	0.4	327	22.2	22.2	7.6	7.6	29.1	29.1	90.0	90.0	6.6	6.6	15.8	9	90	89	<0.2	1.0	1.0	1.0						
IM3	Cloudy	Moderate	08:47	7.8	Surface	1.0	0.4	343	22.1	22.1	7.6	7.6	28.6	28.6	89.8	89.8	6.6	6.6	7.3	9	85	88	818787	805576	<0.2	0.9	0.9	0.9				
						1.0	0.4	356	22.1	22.1	7.6	7.6	28.6	28.6	89.8	89.8	6.6	6.6	7.3	10	85	88	<0.2	0.9	0.9	0.9						
					Middle	3.9	0.4	336	22.3	22.3	7.6	7.6	29.2	29.2	89.3	89.3	6.6	6.6	9.6	9	89	89	<0.2	0.8	0.8	0.8						
						3.9	0.4	355	22.3	22.3	7.6	7.6	29.2	29.2	89.3	89.3	6.6	6.6	9.6	10	89	89	<0.2	0.8	0.8	0.8						
					Bottom	6.8	0.4	336	22.3	22.3	7.6	7.6	29.2	29.2	89.8	89.8	6.6	6.6	13.9	10	89	89	<0.2	1.0	1.0	1.0						
						6.8	0.4	355	22.3	22.3	7.6	7.6	29.2	29.2	89.7	89.7	6.6	6.6	13.7	9	90	89	<0.2	0.9	0.9	0.9						
IM4	Cloudy	Moderate	08:56	8.5	Surface	1.0	0.6	351	22.2	22.2	7.5	7.5	29.0	29.0	90.1	90.2	6.6	6.6	16.1	13	85	88	819743	804623	<0.2	0.8	0.8	0.8				
						1.0	0.7	352	22.2	22.2	7.5	7.5	29.0	29.0	90.2	90.2	6.6	6.6	16.1	14	85	88	<0.2	0.8	0.8	0.8						
					Middle	4.3	0.7	345	22.3	22.3	7.5	7.5	29.4	29.4	89.1	89.2	6.5	6.5	16.1	9	89	89	<0.2	0.9	0.9	0.9						
						4.3	0.8	359	22.3	22.3	7.5	7.5	29.4	29.4	89.2	89.2	6.5	6.5	16.0	10	88	88	<0.2	0.9	0.9	0.9						
					Bottom	7.5	0.6	345	22.3	22.3	7.5	7.5	29.4	29.4	89.5	89.5	6.6	6.6	17.2	10	89	89	<0.2	0.8	0.8	0.8						
						7.5	0.7	317	22.3	22.3	7.5	7.5	29.4	29.4	89.5	89.5	6.6	6.6	17.2	12	89	89	<0.2	0.8	0.8	0.8						
IM5	Cloudy	Moderate	09:02	8.0	Surface	1.0	0.9	13	22.2	22.2	7.5	7.5	28.9	28.9	89.0	89.0	6.6	6.6	12.2	12	85	88	820735	804861	<0.2	0.8	0.8	0.8				
						1.0	1.0	13	22.2	22.2	7.5	7.5	28.9	28.9	89.0	89.0	6.6	6.6	12.2	12	85	88	<0.2	0.8	0.8	0.8						
					Middle	4.0	0.9	14	22.2	22.2	7.5	7.5	28.9	28.9	89.3	89.3	6.6	6.6	14.8	14	89	89	<0.2	0.8	0.8	0.8						
						4.0	1.0	15	22.2	22.2	7.5	7.5	28.9	28.9	89.2	89.3	6.6	6.6	14.8	15	89	89	<0.2	0.9	0.9	0.9						
					Bottom	7.0	0.9	17	22.2	22.2	7.5	7.5	28.9	28.9	89.5	89.5	6.6	6.6	14.5	15	90	89	<0.2	0.8	0.8	0.8						
						7.0	0.9	17	22.2	22.2	7.5	7.5	28.9	28.9	89.4	89.5	6.6	6.6	14.6	16	90	89	<0.2	0.8	0.8	0.8						
IM6	Cloudy	Moderate	09:11	7.9	Surface	1.0	0.1	294	22.4	22.4	7.4	7.4	25.7	25.7	87.7	87.7	6.6	6.6	6.4	18	84	88	821058	805823	<0.2	0.7	0.7	0.7				
						1.0	0.1	309	22.4	22.4	7.4	7.4	25.7	25.7	87.7	87.7	6.6	6.6	6.5	19	85	88	<0.2	0.8	0.8	0.8						
					Middle	4.0	0.1	63	22.3	22.3	7.4	7.4	26.9	26.9	87.2	87.2	6.5	6.5	8.2	17	89	89	<0.2	0.8	0.8	0.8						
						4.0	0.1	63	22.3	22.3	7.4	7.4	26.9	26.9	87.2	87.2	6.5	6.5	8.3	16	90	89	<0.2	0.8	0.8	0.8						
					Bottom	6.9	0.3	59	22.2	22.2	7.4	7.4	27.8	27.8	87.5	87.5	6.5	6.5	12.3	17	90	89	<0.2	0.8	0.8	0.8						
						6.9	0.3	60	22.2	22.2																						



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

Water Quality Monitoring

Water Quality Monitoring Results on 28 April 20 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	15:36	8.2	Surface	1.0	0.4	224	23.8	8.1	8.1	27.9	27.9	100.4	100.4	7.2	7.1	4.0	8	86	89	815604	804229	<0.2	1.0	1.1	1.1				
						1.0	0.4	237	23.8	8.1	8.1	27.9	27.9	100.3	100.3	7.2	7.1	4.1	9	86	89	<0.2	1.0								
						4.1	0.4	200	23.2	8.1	8.1	29.5	29.5	96.4	96.3	7.0	6.9	7.1	10	89	89	<0.2	1.1								
					4.1	0.4	205	23.2	8.1	8.1	29.5	29.5	96.2	96.1	6.9	6.9	7.1	10	89	89	<0.2	1.1									
					7.2	0.3	196	22.7	8.1	8.1	31.0	31.0	93.1	93.1	6.7	6.7	15.7	10	91	91	<0.2	1.1									
					7.2	0.3	206	22.7	8.1	8.1	31.0	31.0	93.1	93.1	6.7	6.7	14.6	10	91	91	<0.2	1.1									
					1.0	0.2	205	23.8	8.0	8.0	24.2	24.2	95.3	95.3	7.0	6.8	8.1	10	85	85	<0.2	1.4									
					1.0	0.2	219	23.8	8.0	8.0	24.2	24.2	95.2	95.3	7.0	6.2	10	10	86	86	<0.2	1.4									
					6.4	0.5	160	22.9	8.1	8.1	26.2	26.2	85.4	85.3	6.3	6.3	10.9	10	88	88	<0.2	1.4									
6.4	0.5	164	22.9	8.1	8.1	26.2	26.2	85.1	85.3	6.3	6.3	10.9	9	89	89	<0.2	1.3														
11.7	0.4	149	22.7	8.1	8.1	28.8	28.8	85.1	85.5	6.2	6.3	15.0	10	90	90	<0.2	1.4														
11.7	0.4	151	22.7	8.1	8.1	28.8	28.8	85.8	85.5	6.3	6.3	14.3	9	90	90	<0.2	1.4														
C2	Fine	Moderate	14:30	12.7	Surface	1.0	0.2	219	23.8	8.0	8.0	24.2	24.2	95.3	95.3	7.0	6.7	6.2	10	86	88	825696	806924	<0.2	1.4	1.4					
						1.0	0.2	160	22.9	8.1	8.1	26.2	26.2	85.4	85.3	6.3	6.3	10.9	10	88	88	<0.2	1.4								
						6.4	0.5	164	22.9	8.1	8.1	26.2	26.2	85.1	85.3	6.3	6.3	10.9	9	89	89	<0.2	1.3								
					11.7	0.4	149	22.7	8.1	8.1	28.8	28.8	85.1	85.5	6.2	6.3	15.0	10	90	90	<0.2	1.4									
					11.7	0.4	151	22.7	8.1	8.1	28.8	28.8	85.8	85.5	6.3	6.3	14.3	9	90	90	<0.2	1.4									
					1.0	0.2	136	23.4	7.9	7.9	27.1	27.1	91.3	91.3	6.7	6.6	5.8	10	86	86	<0.2	1.3									
					1.0	0.2	138	23.4	7.9	7.9	27.1	27.1	91.2	91.3	6.6	6.6	5.8	10	86	86	<0.2	1.3									
					5.9	0.3	120	23.2	7.9	7.9	27.6	27.7	89.8	89.8	6.5	6.6	6.4	9	89	89	<0.2	1.2									
					5.9	0.3	129	23.2	7.9	7.9	27.8	27.7	89.8	89.8	6.5	6.5	6.5	10	88	88	<0.2	1.2									
10.8	0.3	24	22.7	7.9	7.9	29.6	29.6	85.6	85.7	6.2	6.2	9.2	9	90	90	<0.2	1.2														
10.8	0.3	24	22.7	7.9	7.9	29.6	29.6	85.8	85.7	6.2	6.2	9.4	9	90	90	<0.2	1.3														
C3	Fine	Moderate	16:25	11.8	Surface	1.0	0.2	136	23.4	7.9	7.9	27.1	27.1	91.3	91.3	6.7	6.6	5.8	10	86	86	822121	817783	<0.2	1.3	1.3					
						1.0	0.2	138	23.4	7.9	7.9	27.1	27.1	91.2	91.3	6.6	6.6	5.8	10	86	86	<0.2	1.3								
						5.9	0.3	120	23.2	7.9	7.9	27.6	27.7	89.8	89.8	6.5	6.6	6.4	9	89	89	<0.2	1.2								
					5.9	0.3	129	23.2	7.9	7.9	27.8	27.7	89.8	89.8	6.5	6.5	6.5	10	88	88	<0.2	1.2									
					10.8	0.3	24	22.7	7.9	7.9	29.6	29.6	85.6	85.7	6.2	6.2	9.2	9	90	90	<0.2	1.2									
					10.8	0.3	24	22.7	7.9	7.9	29.6	29.6	85.8	85.7	6.2	6.2	9.4	9	90	90	<0.2	1.3									
					1.0	0.1	159	24.2	8.1	8.1	27.1	27.1	93.6	93.6	6.7	6.7	6.9	10	87	87	<0.2	1.1									
					1.0	0.1	165	24.2	8.1	8.1	27.1	27.1	93.5	93.6	6.7	6.7	7.0	10	87	87	<0.2	1.1									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88		817928	807112	<0.2	1.1	
4.1	0.2	156	23.0	8.0	8.0	29.2	29.2	89.6	89.7	6.5	6.5	10.8	7	89	89	<0.2	1.1														
4.1	0.2	167	23.0	8.0	8.0	29.2	29.2	89.7	89.7	6.5	6.5	10.7	7	89	89	<0.2	1.1														
IM2	Fine	Moderate	15:09	7.3	Surface	1.0	0.2	186	23.5	8.1	8.1	27.4	27.4	95.3	95.3	6.9	6.9	4.9	7	86	88	818167	806177	<0.2	1.1	1.2					
						1.0	0.2	203	23.5	8.1	8.1	27.5	27.4	95.3	95.3	6.9	6.9	4.9	8	86	86	<0.2	1.1								
						3.7	0.1	152	23.1	8.1	8.1	29.3	29.3	93.7	93.7	6.8	6.8	5.2	7	88	88	<0.2	1.2								
					3.7	0.1	159	23.0	8.1	8.1	29.3	29.3	93.6	93.7	6.8	6.8	5.4	6	88	88	<0.2	1.1									
					6.3	0.2	116	22.8	8.1	8.1	30.4	30.4	90.7	90.7	6.6	6.6	9.7	7	89	89	<0.2	1.2									
					6.3	0.2	120	22.8	8.1	8.1	30.4	30.4	90.7	90.7	6.6	6.6	9.7	6	90	90	<0.2	1.2									
					1.0	0.2	134	23.2	8.1	8.0	28.4	28.4	92.0	91.9	6.7	6.6	5.5	9	85	85	<0.2	1.1									
					1.0	0.2	134	23.2	8.0	8.0	28.4	28.4	91.8	91.8	6.7	6.7	5.7	9	85	85	<0.2	1.2									
					3.8	0.3	145	22.9	8.0	8.0	29.3	29.3	89.4	89.5	6.5	6.5	8.8	9	89	89	<0.2	1.1									
3.8	0.3	157	22.9	8.0	8.0	29.3	29.3	89.6	89.5	6.5	6.5	8.8	10	88	88	<0.2	1.2														
6.6	0.2	120	22.8	8.0	8.0	30.4	30.4	90.2	90.2	6.5	6.5	8.8	11	90	90	<0.2	1.1														
6.6	0.2	125	22.8	8.0	8.0	30.4	30.4	90.2	90.2	6.5	6.5	8.9	10	90	90	<0.2	1.1														
IM4	Fine	Moderate	14:54	8.6	Surface	1.0	0.5	189	23.4	8.0	8.0	27.9	27.9	91.5	91.5	6.6	6.6	7.6	9	85	85	819704	804621	<0.2	1.3	1.1					
						1.0	0.5	194	23.3	8.0	8.0	27.9	27.9	91.5	91.5	6.6	6.6	7.6	8	85	85	<0.2	1.1								
						4.3	0.4	176	23.1	8.0	8.0	28.6	28.6	90.3	90.3	6.6	6.6	8.6	12	88	88	<0.2	1.1								
					4.3	0.4	178	23.1	8.0	8.0	28.6	28.6	90.2	90.3	6.6	6.6	8.5	11	88	88	<0.2	1.0									
					7.6	0.3	144	22.8	8.0	8.0	30.4	30.4	89.6	89.6	6.5	6.5	9.8	11	90	90	<0.2	1.1									
					7.6	0.3	149	22.8	8.0	8.0	30.4	30.4	89.5	89.5	6.5	6.5	9.8	12	89	89	<0.2	1.0									
					1.0	0.4	219	23.3	8.1	8.1	27.6	27.6	94.1	94.2	6.9	6.8	6.2	7	85	85	<0.2	1.4									
					1.0	0.4	227	23.3	8.1	8.1	27.6	27.6	94.2	94.2	6.9	6.8	6.3	8	85	85	<0.2	1.5									
					4.0	0.4	188	23.2	8.1	8.1	28.9	28.9	92.6	92.6	6.7	6.7	6.3	9	88	88	<0.2	1.4									
4.0	0.4	192	23.2	8.1	8.1	28.9	28.9	92.5	92.6	6.7	6.7	6.4	10	87	87	<0.2	1.4														
7.0	0.3	179	22.8	8.1	8.1	30.1	30.1	90.5	90.5	6.6	6.6	9.1	10	89	89	<0.2	1.5														
7.0	0.4	194	22.8	8.1	8.1	30.1	30.1	90.5	90.5	6.5	6.6	9.1	10	89	89	<0.2	1.4														
IM6	Fine	Moderate	14:39	7.7	Surface	1.0	0.3	255	23.5	8.0	8.0	26.1	26.1	92.1	92.1	6.7	6.7	6.9	7	85	85	821080	805837	<0.2	1.5	1.5					
						1.0	0.3	268	23.5	8.0	8.0	26.1	26.1	92.1	92.1	6.7	6.7	6.9	6	85	85	<0.2	1.4								
						3.9	0.3	209	23.0	8.1	8.1	28.6	28.6	91.6	91.6	6.7	6.7	8.1	7	87	87	<0.2	1.5								
					3.9	0.3	222	23.0	8.1	8.1	28.6	28.6	91.6	91.6	6.7	6.7	8.1	6	87	87	<0.2	1.6									
					6.7	0.3	186	22.9	8.1	8.1	29.5	29.5	89.9	89.9	6.5	6.5	10.2	8	89	89	<0.2	1.4									
					6.7	0.3	197	22.9	8.1	8.1	29.5	29.5																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 April 20 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	15:03	7.4	Surface	1.0	0.2	140	23.9	23.9	8.1	8.1	24.9	25.0	96.1	96.1	7.0	6.8	5.9	8.0	8	85	88	822076	808821	<0.2	1.4	1.4	1.4						
						1.0	0.2	142	23.8	8.1	8.1	25.0	25.0	96.1	96.1	7.0	6.8	6.1	7	7	85	88	822076	808821	<0.2	1.4	1.4	1.4							
						3.7	0.3	141	23.2	8.1	8.1	26.2	26.2	90.5	90.4	6.7	6.8	8.1	7	7	89	88	822076	808821	<0.2	1.4	1.4	1.4							
					Middle	3.7	0.3	141	23.2	8.1	8.1	26.3	26.3	90.2	90.2	6.6	6.8	8.3	8	8	88	88	822076	808821	<0.2	1.4	1.4	1.4							
						6.4	0.1	67	23.0	8.1	8.1	26.8	26.8	88.6	88.6	6.5	6.5	9.8	8	8	90	90	822076	808821	<0.2	1.5	1.5	1.5							
						6.4	0.1	72	23.0	8.1	8.1	26.8	26.8	88.8	88.8	6.5	6.5	9.9	9	9	90	90	822076	808821	<0.2	1.4	1.4	1.4							
					IM10	Fine	Moderate	15:17	8.2	Surface	1.0	0.4	138	23.8	23.8	8.3	8.3	25.3	25.3	96.7	96.7	7.1	7.1	6.3	9.6	7	85	88	822406	809811	<0.2	1.2	1.2	1.2	
											1.0	0.5	147	23.7	8.3	8.3	25.3	25.3	96.6	96.6	7.1	7.1	6.3	6	6	86	86	822406	809811	<0.2	1.3	1.3	1.3		
											4.1	0.6	127	23.4	8.3	8.3	26.0	26.1	95.5	95.5	7.0	7.1	7.7	7	7	88	88	822406	809811	<0.2	1.3	1.3	1.3		
Middle	4.1	0.6	134	23.4						8.3	8.3	26.1	26.1	95.4	95.4	7.0	7.0	7.6	8	8	89	89	822406	809811	<0.2	1.2	1.2	1.2							
	7.2	0.4	112	23.1						8.4	8.4	26.9	26.9	90.2	90.2	6.6	6.6	15.1	8	8	90	90	822406	809811	<0.2	1.2	1.2	1.2							
	7.2	0.4	119	23.2						8.4	8.4	26.8	26.9	90.3	90.3	6.6	6.6	14.6	7	7	90	90	822406	809811	<0.2	1.2	1.2	1.2							
IM11	Fine	Moderate	15:27	8.1						Surface	1.0	0.9	100	23.6	23.6	8.2	8.2	25.6	25.6	94.1	94.1	6.9	6.8	6.5	11.1	7	85	88	822041	811450	<0.2	1.2	1.2	1.2	
											1.0	0.9	101	23.6	8.2	8.2	25.6	25.6	94.0	94.0	6.9	6.8	6.6	7	7	86	86	822041	811450	<0.2	1.3	1.3	1.3		
											4.1	0.9	107	23.3	8.2	8.2	25.9	26.0	92.0	91.9	6.8	6.8	8.3	7	7	88	88	822041	811450	<0.2	1.3	1.3	1.3		
					Middle	4.1	0.9	116	23.3	8.2	8.2	26.0	26.0	91.8	91.8	6.7	6.8	8.5	6	6	88	88	822041	811450	<0.2	1.3	1.3	1.3							
						7.1	0.6	98	23.1	8.2	8.2	26.8	26.7	90.0	90.1	6.6	6.6	18.2	6	6	90	90	822041	811450	<0.2	1.3	1.3	1.3							
						7.1	0.7	98	23.1	8.2	8.2	26.7	26.7	90.1	90.1	6.6	6.6	18.3	6	6	90	90	822041	811450	<0.2	1.2	1.2	1.2							
					IM12	Fine	Moderate	15:34	8.9	Surface	1.0	0.6	116	23.9	23.9	8.2	8.2	25.4	25.4	94.2	94.1	6.9	6.8	6.2	10.5	7	85	88	821474	812048	<0.2	1.2	1.2	1.2	
											1.0	0.6	124	23.8	8.2	8.2	25.4	25.4	93.9	93.9	6.9	6.8	6.3	7	7	85	85	821474	812048	<0.2	1.2	1.2	1.2		
											4.5	0.6	119	23.4	8.2	8.2	26.0	26.1	90.3	90.1	6.6	6.6	8.5	7	7	88	88	821474	812048	<0.2	1.3	1.3	1.3		
Middle	4.5	0.6	125	23.3						8.2	8.2	26.2	26.1	89.9	89.9	6.6	6.6	8.6	6	6	89	89	821474	812048	<0.2	1.2	1.2	1.2							
	7.9	0.2	93	23.0						8.2	8.2	27.1	27.0	87.8	87.9	6.5	6.5	16.5	6	6	89	89	821474	812048	<0.2	1.2	1.2	1.2							
	7.9	0.3	101	23.0						8.2	8.2	27.0	27.0	88.0	87.9	6.5	6.5	16.8	7	7	90	90	821474	812048	<0.2	1.2	1.2	1.2							
SR1A	Fine	Calm	15:53	5.0						Surface	1.0	-	-	23.4	23.4	8.2	8.2	26.4	26.4	89.5	89.5	6.5	6.5	8.6	8.7	6	-	-	819980	812664	-	-	-	-	
											1.0	-	-	23.4	23.4	8.2	8.2	26.4	26.4	89.4	89.4	6.5	6.5	8.6	6	6	-	-	819980	812664	-	-	-	-	
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	819980	812664	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819980	812664	-	-	-	-	-			
						4.0	-	-	23.3	23.3	8.2	8.2	26.6	26.6	89.9	90.2	6.6	6.6	8.8	9	9	-	-	-	-	819980	812664	-	-	-	-				
						4.0	-	-	23.3	23.3	8.3	8.2	26.7	26.6	90.4	90.2	6.6	6.6	8.8	9	9	-	-	-	-	819980	812664	-	-	-	-				
					SR2	Fine	Moderate	16:05	4.0	Surface	1.0	0.5	114	23.5	23.5	8.2	8.2	26.3	26.3	95.4	95.4	7.0	7.0	6.0	9.3	8	84	88	821440	814158	<0.2	1.3	1.3	1.3	
											1.0	0.6	116	23.4	8.2	8.2	26.4	26.4	95.3	95.4	7.0	7.0	6.1	8	8	84	84	821440	814158	<0.2	1.2	1.2	1.2		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	821440	814158	<0.2	1.2	1.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821440	814158	<0.2	1.2	1.2	1.2	1.2			
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821440	814158	<0.2	1.2	1.2	1.2	1.2		
	3.0	0.4	114	23.1						8.2	8.2	26.9	26.9	91.8	92.0	6.7	6.8	12.7	8	8	89	89	821440	814158	<0.2	1.2	1.2	1.2							
Bottom	3.0	0.5	119	23.1						8.2	8.2	26.9	26.9	92.2	92.0	6.8	6.8	12.3	7	7	89	89	821440	814158	<0.2	1.2	1.2	1.2							
	1.0	0.2	188	24.1						8.2	8.2	24.6	24.6	98.2	98.2	7.2	6.9	5.4	9	9	-	-	-	-	-	821440	814158	<0.2	1.2	1.2	1.2				
	1.0	0.2	204	24.1						8.2	8.2	24.6	24.6	98.1	98.2	7.2	6.9	5.4	9	9	-	-	-	-	-	821440	814158	<0.2	1.2	1.2	1.2				
SR3	Fine	Moderate	14:51	9.2	Surface	1.0	0.2	188	24.1	24.1	8.2	8.2	24.6	24.6	98.2	98.2	7.2	6.9	5.4	9.0	9	-	-	822129	807558	-	-	-	-						
						4.6	0.1	274	23.0	8.3	8.3	27.1	27.2	88.3	88.4	6.5	6.5	10.5	8	8	-	-	-	-	822129	807558	-	-	-	-					
						4.6	0.1	283	22.9	8.3	8.3	27.3	27.2	88.5	88.4	6.5	6.5	10.6	9	9	-	-	-	-	822129	807558	-	-	-	-					
					Middle	8.2	0.2	19	23.0	8.3	8.3	28.1	28.1	89.9	89.9	6.6	6.6	11.0	8	8	-	-	-	-	822129	807558	-	-	-	-					
						8.2	0.2	20	23.0	8.3	8.3	28.1	28.1	90.0	90.0	6.6	6.6	10.8	9	9	-	-	-	-	822129	807558	-	-	-	-					
						8.0	0.2	50	24.0	8.0	8.0	27.8	27.8	94.9	94.9	6.8	6.8	8.5	7	7	-	-	-	-	822129	807558	-	-	-	-					
					SR4A	Fine	Calm	15:59	9.2	Surface	1.0	0.2	51	24.0	24.0	8.0	8.0	27.8	27.8	94.9	94.9	6.8	6.6	8.5	12.0	8	-	-	817178	807832	-	-	-	-	
											1.0	0.2	51	24.0	8.0	8.0	27.8	27.8	94.9	94.9	6.8	6.6	8.6	8	8	-	-	-	-	817178	807832	-	-	-	-
											4.6	0.1	80	23.0	8.0	8.0	29.4	29.4	88.3	88.3	6.4	6.4	12.7	9	9	-	-	-	-	817178	807832	-	-	-	-
Middle	4.6	0.1	87	23.0						8.0	8.0	29.4	29.4	88.2	88.3	6.4	6.4	12.8	10	10	-	-	-	-	817178	807832	-	-	-	-					
	8.2	0.1	71	22.8						8.0	8.0	29.8	29.8	88.2	88.3	6.4	6.4	14.6	10	10	-	-	-	-	817178	807832	-	-	-	-					
	8.2	0.2	75	22.8						8.0	8.0	29.8																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 April 20 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	
C1	Fine	Moderate	09:32	8.0	Surface	1.0	0.4	31	23.0	23.0	8.2	8.2	28.1	28.1	90.3	90.3	6.6	6.6	6.6	7	87	89	815604	804249	<0.2	1.2	1.2	1.2					
						1.0	0.4	32	23.0	8.2	8.2	28.1	28.1	90.3	90.3	6.6	6.7	7	87	89	<0.2	1.1	1.2	1.2									
						4.0	0.4	31	22.7	8.2	8.2	30.7	30.7	88.6	88.6	6.4	9.6	7	89	89	<0.2	1.2	1.2	1.2									
					Middle	4.0	0.5	31	22.7	8.2	8.2	30.7	30.7	88.6	88.6	6.4	9.2	7	89	89	<0.2	1.2	1.2	1.2									
						7.0	0.5	34	22.6	8.3	8.3	31.6	31.6	87.5	87.5	6.3	12.9	7	91	89	<0.2	1.2	1.2	1.2									
						7.0	0.6	36	22.6	8.3	8.3	31.6	31.6	87.5	87.5	6.3	13.0	8	92	89	<0.2	1.1	1.2	1.2									
					C2	Fine	Moderate	10:40	12.9	Surface	1.0	0.4	353	23.6	23.6	8.1	8.1	23.1	23.1	93.3	93.2	6.9	4.8	4.8	6	85	88	825676	806965	<0.2	1.2	1.2	1.2
											1.0	0.5	325	23.6	8.1	8.1	23.1	23.1	93.1	93.1	6.9	4.8	5	85	88	<0.2	1.2	1.2	1.2				
											6.5	0.4	333	22.9	8.1	8.1	26.3	26.3	84.4	84.4	6.2	6.8	6	89	89	<0.2	1.2	1.2	1.2				
Middle	6.5	0.5	306	22.9						8.1	8.1	26.3	26.3	84.3	84.3	6.2	6.1	6	89	89	<0.2	1.2	1.2	1.2									
	11.9	0.4	330	22.7						8.2	8.2	27.7	27.7	82.1	82.1	6.0	8.3	6	89	89	<0.2	1.2	1.2	1.2									
	11.9	0.4	304	22.7						8.2	8.2	27.7	27.7	82.2	82.2	6.0	9.0	7	90	89	<0.2	1.1	1.2	1.2									
C3	Fine	Moderate	08:42	12.8						Surface	1.0	0.4	247	22.9	22.9	7.8	7.8	25.2	25.2	90.7	90.7	6.7	4.8	4.8	6	88	89	822096	817804	<0.2	1.2	1.2	1.2
											1.0	0.4	253	22.9	7.8	7.8	25.2	25.2	90.6	90.6	6.7	4.8	5	88	88	<0.2	1.2	1.2	1.2				
											6.4	0.6	260	22.6	7.8	7.8	29.4	29.4	84.3	84.4	6.2	4.7	5	89	89	<0.2	1.2	1.2	1.2				
					Middle	6.4	0.7	272	22.6	7.8	7.8	29.5	29.4	84.4	84.4	6.2	4.8	6	89	89	<0.2	1.2	1.2	1.2									
						11.8	0.5	269	22.6	7.8	7.8	30.4	30.4	84.9	85.0	6.2	10.9	6	90	89	<0.2	1.2	1.2	1.2									
						11.8	0.5	273	22.6	7.9	7.8	30.4	30.4	85.0	85.0	6.2	10.1	6	90	89	<0.2	1.2	1.2	1.2									
					IM1	Fine	Moderate	09:51	5.5	Surface	1.0	0.2	17	23.1	23.1	8.2	8.2	27.4	27.4	86.9	86.9	6.4	13.2	13.2	6	88	89	817955	807153	<0.2	1.2	1.1	1.1
											1.0	0.2	18	23.1	8.2	8.2	27.4	27.4	86.9	86.9	6.4	13.4	6	87	89	<0.2	1.1	1.1	1.1				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.5	0.1	347	22.9						8.2	8.2	28.4	28.4	86.0	86.0	6.3	16.4	6	90	89	<0.2	1.1	1.1	1.1									
	4.5	0.1	319	22.9						8.2	8.2	28.4	28.4	86.0	86.0	6.3	16.4	6	89	89	<0.2	1.1	1.1	1.1									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Moderate	09:59	7.6						Surface	1.0	0.3	353	23.2	23.2	8.1	8.1	26.7	26.7	90.0	90.0	6.6	7.8	7.8	6	85	86	818185	806167	<0.2	1.2	1.2	1.2
											1.0	0.3	325	23.2	8.1	8.1	26.7	26.7	89.9	89.9	6.6	8.0	6	86	86	<0.2	1.2	1.2	1.2				
											3.8	0.3	6	22.8	8.1	8.1	29.3	29.3	88.4	88.4	6.4	13.7	6	88	88	<0.2	1.2	1.2	1.2				
					Middle	3.8	0.4	6	22.8	8.1	8.1	29.3	29.3	88.3	88.4	6.4	13.8	5	88	88	<0.2	1.2	1.2	1.2									
						6.6	0.2	6	22.8	8.1	8.1	29.5	29.5	88.1	88.1	6.4	17.5	5	90	89	<0.2	1.1	1.1	1.1									
						6.6	0.2	6	22.8	8.1	8.1	29.5	29.5	88.0	88.0	6.4	17.3	5	90	89	<0.2	1.2	1.2	1.2									
					IM3	Fine	Moderate	10:06	7.8	Surface	1.0	0.4	324	23.4	23.4	8.1	8.1	26.2	26.2	91.6	91.6	6.7	6.0	6.0	4	85	85	818760	805592	<0.2	1.2	1.2	1.2
											1.0	0.5	348	23.4	8.1	8.1	26.2	26.2	91.5	91.5	6.7	6.1	6	85	85	<0.2	1.1	1.1	1.1				
											3.9	0.5	345	23.0	8.1	8.1	27.4	27.4	88.9	88.9	6.5	9.8	5	88	88	<0.2	1.2	1.2	1.2				
Middle	3.9	0.5	317	23.0						8.1	8.1	27.4	27.4	88.9	88.9	6.5	10.1	5	88	88	<0.2	1.2	1.2	1.2									
	6.8	0.3	349	22.8						8.0	8.0	29.7	29.7	88.2	88.3	6.4	13.6	5	90	89	<0.2	1.1	1.1	1.1									
	6.8	0.3	321	22.8						8.0	8.0	29.7	29.7	88.3	88.3	6.4	13.3	5	89	89	<0.2	1.2	1.2	1.2									
IM4	Fine	Moderate	10:19	8.7						Surface	1.0	0.7	337	23.1	23.1	8.1	8.1	26.2	26.2	91.2	91.1	6.7	6.8	6.8	6	85	85	819739	804593	<0.2	1.2	1.4	1.3
											1.0	0.7	346	23.1	8.1	8.1	26.2	26.2	91.0	91.0	6.7	6.8	6	85	85	<0.2	1.2	1.4	1.3				
											4.4	0.7	2	22.9	8.1	8.1	28.0	28.0	88.8	88.6	6.5	10.3	8	88	88	<0.2	1.3	1.3	1.3				
					Middle	4.4	0.7	2	22.9	8.1	8.1	28.0	28.0	88.6	88.6	6.5	10.5	8	88	88	<0.2	1.3	1.3	1.3									
						7.7	0.6	358	22.6	8.1	8.1	29.8	29.8	86.9	86.9	6.3	14.4	8	90	89	<0.2	1.2	1.2	1.2									
						7.7	0.6	329	22.6	8.1	8.1	29.8	29.8	86.9	86.9	6.3	14.4	9	89	89	<0.2	1.2	1.2	1.2									
					IM5	Fine	Moderate	10:24	8.1	Surface	1.0	0.9	4	22.9	22.8	8.1	8.1	28.0	28.0	87.1	87.0	6.4	16.2	16.2	6	86	86	820748	804853	<0.2	1.2	1.2	1.2
											1.0	0.9	4	22.8	8.1	8.1	28.0	28.0	86.9	86.9	6.4	16.5	5	85	85	<0.2	1.2	1.2	1.2				
											4.1	0.7	7	22.7	8.1	8.1	28.8	28.8	86.4	86.4	6.3	18.7	5	88	88	<0.2	1.1	1.1	1.1				
Middle	4.1	0.7	7	22.7						8.1	8.1	28.8	28.8	86.3	86.4	6.3	18.8	6	87	87	<0.2	1.1	1.1	1.1									
	7.1	0.5	26	22.6						8.1	8.1	29.3	29.3	85.9	85.9	6.3	20.2	7	89	89	<0.2	1.1	1.1	1.1									
	7.1	0.6	28	22.6						8.1	8.1	29.3	29.3	85.8	85.9	6.3	20.1	7	90	89	<0.2	1.0	1.0	1.0									
IM6	Fine	Moderate	10:32	7.9						Surface	1.0	0.0	90	23.2	23.2	8.0	8.0	25.5	25.5	89.5	89.5	6.6	10.5	10.5	5	85	85	821075	805851	<0.2	1.6	1.5	1.5
											1.0	0.0	97	23.2	8.0	8.0	25.5	25.5	89.4	89.4	6.6	10.5	6	86	86	<0.2	1.5	1.5	1.5				
											4.0	0.1	53	23.0	8.0	8.0	27.0	27.0	87.1	87.1	6.4	14.3	6	88	88	<0.2	1.5	1.5	1.5				
					Middle	4.0	0.1	54	23.0	8.0	8.0	27.0	27.0	87.1	87.1	6.4	14.3	6	88	88	<0.2	1.5	1.5	1.5									
						6.9	0.3	61	22.8	8.0	8.0	28.5	28.5	86.9	86.9	6.4	18.3	6	90	89	<0.2	1.6	1.6	1.6									
						6.9	0.3	63	22.8	8.0	8.0	28.5	28.5	86.9	86.9	6.4	18.1	6	89	89	<0.2	1.6	1.6	1.6									
					IM7	Fine	Moderate	10:41	9.2	Surface	1.0	0.0	71	23.5	23.5	8.0	8.0	24.3	24.3	90.1	90.1	6.7	4.4	4.4	4	86	86	821328	806815	<0.2	1.6	1.5	1.5
											1.0	0.0	75	23.5	8.0	8.0	24.3	24.3	90.0	90.0	6.7	4.4	4	86	86	<0.2	1.5	1.5	1.5				
											4.6	0.1	94	23.1	8.0	8.0	25.5	25.5	87.4	87.4	6.5	8.8	5	88	88	<0.2	1.5	1.5	1.5				
Middle	4.6	0.1	97	23.1						8.0	8.0	25.5	25.5	87.4	87.4																		



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

**Water Quality Monitoring Results on 30 April 20 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	Fine	Moderate	17:25	8.0	Surface	1.0	0.4	214	25.3	25.3	8.4	8.4	25.2	25.2	156.0	155.6	11.1	2.7	4	87	89	815608	804233	<0.2	1.4	1.4	1.4					
						1.0	0.4	217	25.3	25.3	8.4	8.4	25.2	155.2	11.1	2.7	4	87	89	815608	804233	<0.2	1.5	1.5	1.5							
						4.0	0.4	231	23.8	23.8	8.1	8.1	28.0	116.3	8.4	2.8	3	89	89	815608	804233	<0.2	1.4	1.4	1.4							
					4.0	0.4	247	23.8	23.8	8.1	8.1	28.0	115.9	8.3	2.8	3	89	89	815608	804233	<0.2	1.3	1.3	1.3								
					7.0	0.4	232	23.0	23.0	8.1	8.1	30.8	97.1	97.3	7.0	7.0	3	90	90	815608	804233	<0.2	1.3	1.3	1.3							
					7.0	0.4	245	23.0	23.0	8.1	8.1	30.8	97.4	97.4	7.0	7.0	2	91	91	815608	804233	<0.2	1.3	1.3	1.3							
C2	Fine	Rough	16:18	12.5	Surface	1.0	0.3	214	24.9	24.9	8.3	8.3	23.3	23.3	144.2	10.5	4.2	5	86	88	825664	806925	<0.2	2.0	2.0	2.0						
						1.0	0.3	228	24.9	24.9	8.3	8.3	23.3	143.4	10.4	4.3	5	86	88	825664	806925	<0.2	2.1	2.1	2.1							
						6.3	0.5	166	23.2	23.2	8.2	8.2	28.1	87.2	87.0	6.3	6.3	4	88	88	825664	806925	<0.2	2.1	2.1	2.1						
					6.3	0.6	173	23.1	23.1	8.2	8.2	28.4	86.7	86.3	6.3	6.3	4	88	88	825664	806925	<0.2	2.0	2.0	2.0							
					11.5	0.4	152	22.9	22.9	8.3	8.3	29.8	80.7	80.9	5.8	5.9	4	89	89	825664	806925	<0.2	1.8	1.8	1.8							
					11.5	0.4	154	22.9	22.9	8.3	8.3	29.8	81.1	80.9	5.9	5.9	4	89	89	825664	806925	<0.2	1.8	1.8	1.8							
C3	Fine	Moderate	18:03	12.2	Surface	1.0	0.2	101	23.9	23.9	8.5	8.5	26.7	26.7	111.6	8.1	4.4	4	87	88	822100	817788	<0.2	1.8	1.8	1.8						
						1.0	0.2	103	23.9	23.9	8.5	8.5	26.7	111.5	8.1	4.4	4	88	88	822100	817788	<0.2	1.8	1.8	1.8							
						6.1	0.1	355	23.8	23.8	8.5	8.5	27.4	104.2	104.1	7.5	7.5	4	88	88	822100	817788	<0.2	1.7	1.7	1.7						
					6.1	0.1	327	23.8	23.8	8.5	8.5	27.4	104.0	104.0	7.5	7.5	4	89	89	822100	817788	<0.2	1.6	1.6	1.6							
					11.2	0.1	75	23.0	23.0	8.5	8.5	30.3	88.4	88.5	6.4	6.4	4	90	90	822100	817788	<0.2	1.5	1.5	1.5							
					11.2	0.1	81	23.0	23.0	8.5	8.5	30.2	88.6	88.6	6.4	6.4	4	90	90	822100	817788	<0.2	1.6	1.6	1.6							
IM1	Fine	Moderate	17:05	5.1	Surface	1.0	0.1	287	25.3	25.3	8.3	8.3	25.9	25.8	132.5	9.4	2.9	6	87	87	817951	807137	<0.2	1.2	1.2	1.2						
						1.0	0.1	295	25.3	25.3	8.3	8.3	25.8	132.3	9.4	3.1	6	87	87	817951	807137	<0.2	1.3	1.3	1.3							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.1	0.1	253	23.3	23.3	8.1	8.1	29.7	99.6	99.6	7.2	7.2	3	88	88	817951	807137	<0.2	1.2	1.2	1.2							
					4.1	0.1	255	23.3	23.3	8.1	8.1	29.7	99.6	99.6	7.2	7.2	4	88	88	817951	807137	<0.2	1.1	1.1	1.1							
					4.1	0.1	255	23.3	23.3	8.1	8.1	29.7	99.6	99.6	7.2	7.2	4	88	88	817951	807137	<0.2	1.1	1.1	1.1							
IM2	Fine	Moderate	16:59	7.2	Surface	1.0	0.1	200	24.8	24.8	8.2	8.2	26.1	26.1	133.8	9.6	3.5	4	85	84	818184	806175	<0.2	1.2	1.2	1.2						
						1.0	0.1	202	24.7	24.7	8.2	8.2	26.1	132.4	9.5	3.5	4	84	88	818184	806175	<0.2	1.1	1.1	1.1							
						3.6	0.1	156	23.3	23.3	8.1	8.1	29.4	98.7	98.8	7.1	7.1	3	88	88	818184	806175	<0.2	1.1	1.1	1.1						
					3.6	0.2	167	23.3	23.3	8.1	8.1	29.4	98.8	98.8	7.1	7.1	3	87	89	818184	806175	<0.2	1.0	1.0	1.0							
					6.2	0.2	136	23.1	23.1	8.1	8.1	30.4	94.6	94.7	6.8	6.8	2	89	89	818184	806175	<0.2	1.1	1.1	1.1							
					6.2	0.2	141	23.1	23.1	8.1	8.1	30.4	94.8	94.8	6.8	6.8	3	89	89	818184	806175	<0.2	1.0	1.0	1.0							
IM3	Fine	Moderate	16:53	7.5	Surface	1.0	0.0	208	24.3	24.3	8.1	8.1	26.6	26.6	117.5	8.5	3.7	2	86	85	818795	805577	<0.2	1.0	1.0	1.0						
						1.0	0.0	219	24.3	24.3	8.1	8.1	26.6	117.3	8.4	3.6	2	85	88	818795	805577	<0.2	0.9	0.9	0.9							
						3.8	0.2	163	23.2	23.2	8.0	8.0	29.8	93.7	93.7	6.8	6.8	3	88	88	818795	805577	<0.2	0.9	0.9	0.9						
					3.8	0.3	172	23.2	23.2	8.0	8.0	29.9	93.6	93.6	6.7	6.7	3	88	88	818795	805577	<0.2	0.9	0.9	0.9							
					6.5	0.2	156	23.1	23.1	8.1	8.1	30.4	93.6	93.6	6.7	6.8	4	89	89	818795	805577	<0.2	0.8	0.8	0.8							
					6.5	0.3	156	23.1	23.1	8.1	8.1	30.4	93.9	93.8	6.8	6.8	4	88	88	818795	805577	<0.2	0.9	0.9	0.9							
IM4	Fine	Moderate	16:44	8.3	Surface	1.0	0.7	220	24.6	24.6	8.3	8.3	26.2	26.2	137.2	9.8	3.6	3	84	85	819701	804620	<0.2	0.8	0.8	0.8						
						1.0	0.7	237	24.5	24.5	8.3	8.3	26.3	136.3	9.8	3.7	3	85	89	819701	804620	<0.2	0.8	0.8	0.8							
						4.2	0.6	206	23.8	23.8	8.1	8.1	27.7	108.8	108.6	7.8	7.8	3	89	88	819701	804620	<0.2	0.9	0.9	0.9						
					4.2	0.6	211	23.8	23.8	8.1	8.1	27.7	108.4	108.6	7.8	7.8	3	88	89	819701	804620	<0.2	0.8	0.8	0.8							
					7.3	0.5	205	23.3	23.3	8.0	8.0	29.4	96.2	96.9	6.9	7.3	4	89	89	819701	804620	<0.2	0.8	0.8	0.8							
					7.3	0.5	216	23.3	23.3	8.1	8.1	29.4	96.1	96.2	6.9	7.3	4	89	89	819701	804620	<0.2	0.7	0.7	0.7							
IM5	Fine	Moderate	16:37	7.9	Surface	1.0	0.4	236	25.0	25.0	8.3	8.3	25.1	25.0	150.9	10.8	3.5	3	84	85	820725	804843	<0.2	0.9	0.9	0.9						
						1.0	0.4	242	25.0	25.0	8.3	8.3	25.1	148.5	10.6	3.5	3	85	89	820725	804843	<0.2	0.8	0.8	0.8							
						4.0	0.3	225	23.4	23.4	8.0	8.0	28.6	98.4	98.5	7.1	7.1	3	88	88	820725	804843	<0.2	0.9	0.9	0.9						
					4.0	0.3	245	23.4	23.4	8.0	8.0	28.5	98.5	98.5	7.1	7.1	3	88	89	820725	804843	<0.2	0.9	0.9	0.9							
					6.9	0.3	229	23.3	23.3	8.1	8.1	29.0	97.6	97.8	7.0	9.5	2	89	89	820725	804843	<0.2	0.8	0.8	0.8							
					6.9	0.3	242	23.3	23.3	8.1	8.1	29.0	98.0	97.8	7.1	9.6	2	89	89	820725	804843	<0.2	0.9	0.9	0.9							
IM6	Fine	Moderate	16:31	7.4	Surface	1.0	0.4	216	24.6	24.6	8.3	8.3	26.1	26.1	147.6	10.6	2.9	2	85	86	821061	805847	<0.2	1.0	1.0	1.0						
						1.0	0.4	217	24.6	24.6	8.3	8.3	26.1	141.1	10.1	3.0	2	86	89	821061	805847	<0.2	0.9	0.9	0.9							
						3.7	0.4	223	24.0	24.0	8.1	8.1	27.0	119.6	119.6	8.6	3.6	2	88	88	821061	805847	<0.2	0.9	0.9	0.9						
					3.7	0.4	228	24.0	24.0	8.1	8.1	27.1	119.5	119.5	8.6	3.7	2	88	89	821061	805847	<0.2	0.7	0.7	0.7							
					6.4	0.3	209	23.4	23.4	8.1	8.1	28.7	99.3	99.4	7.2	6.5	3	89	89	821061	805847	<0.2	0.8	0.8	0.8							
					6.4	0.3	214	23.4	23.4	8.1	8.1	28.6	99.4	99.4	7.2	6.3	3	89	89	821061	805847	<0.2										



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

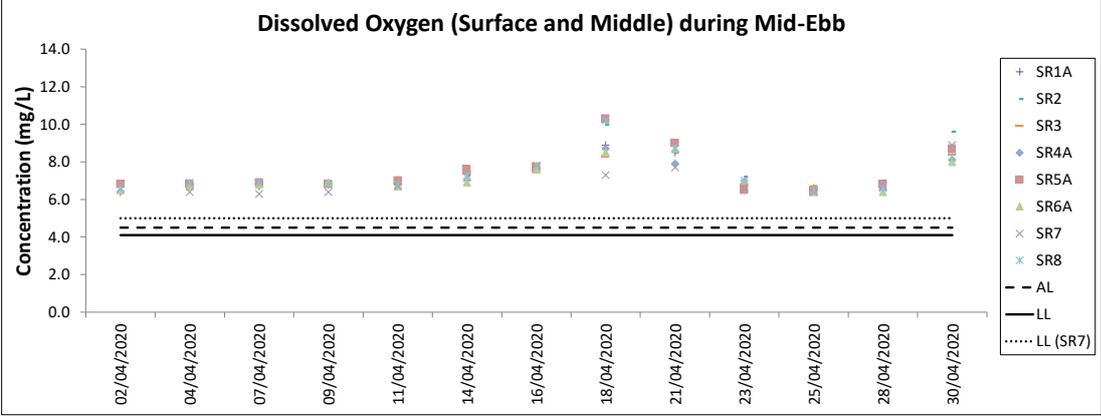
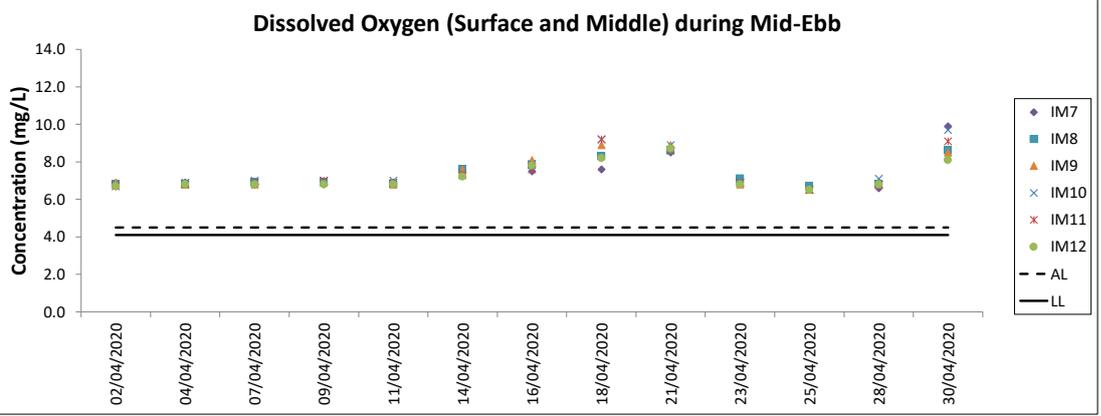
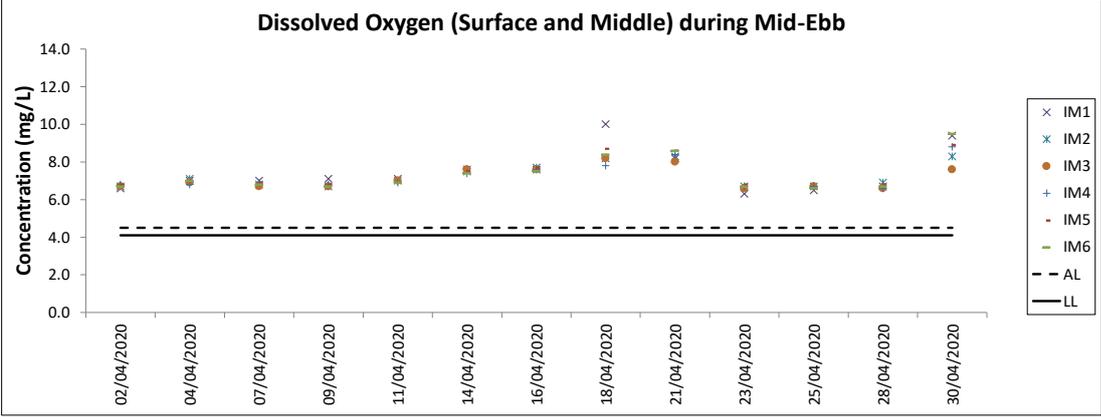
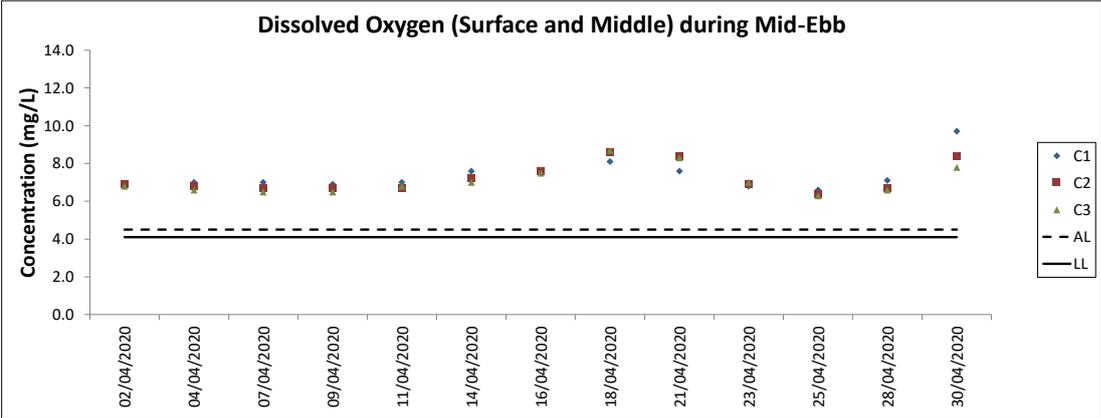
Water Quality Monitoring Results on **30 April 20** during Mid-Flood Tide

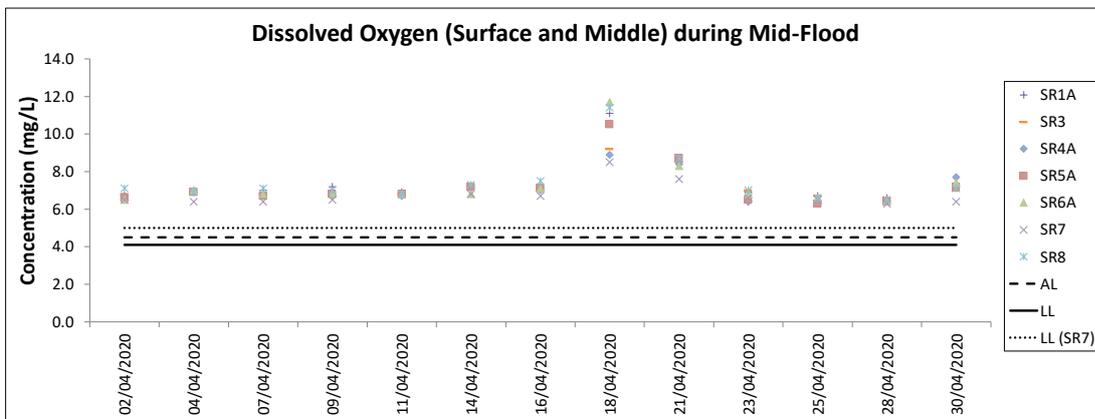
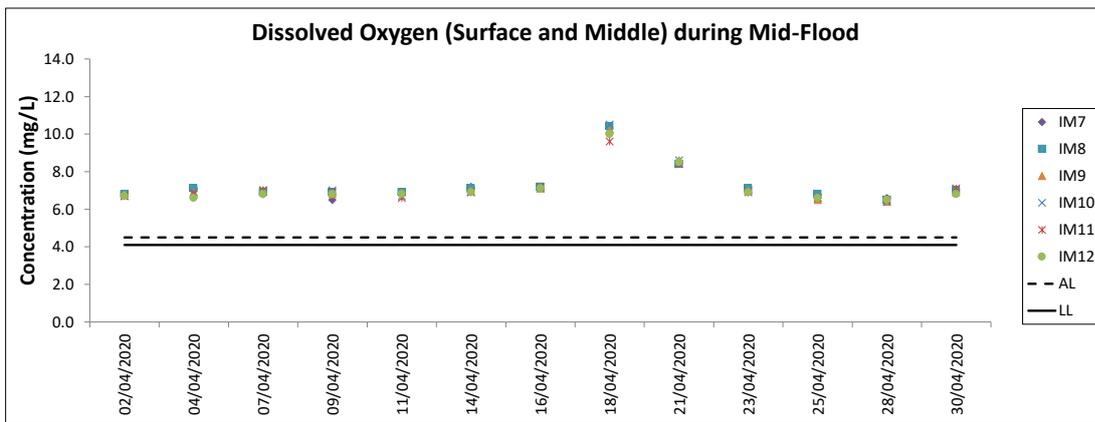
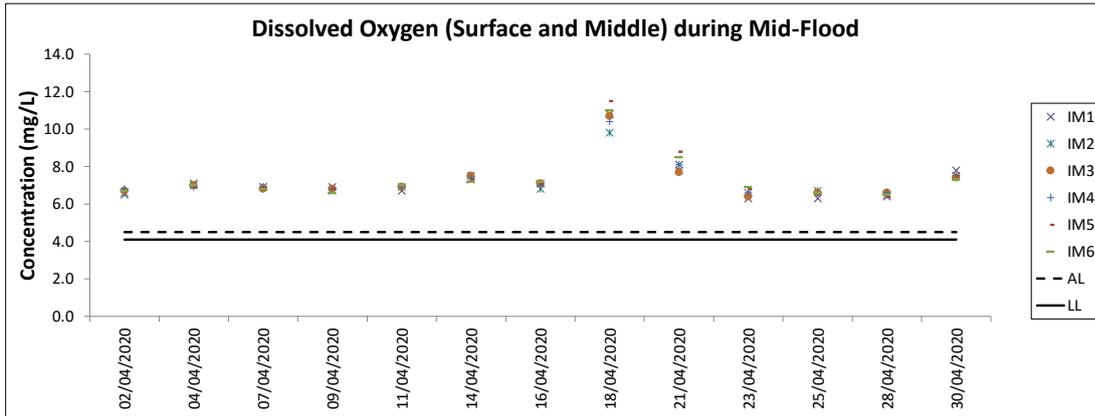
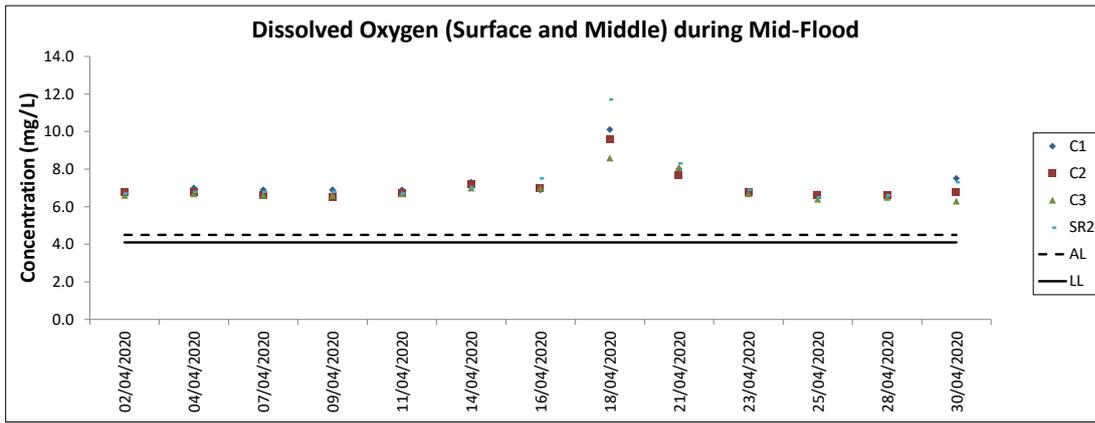
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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
C1	Cloudy	Moderate	05:37	8.2	Surface	1.0	0.1	4	23.6	23.6	8.1	8.1	26.1	26.0	105.2	105.1	7.7	7.7	2.7	4	4	87	87	89	815607	804261	<0.2	0.7	<0.2	0.7			
						1.0	0.1	4	23.6	23.6	8.1	8.1	26.0	26.0	104.9	104.9	7.7	7.7	2.7	4	4	87	87	89	815607	804261	<0.2	0.7	<0.2	0.7			
					Middle	4.1	0.2	52	23.3	23.3	8.1	8.1	29.8	29.8	99.8	99.8	7.2	7.2	2.2	3	3	88	88	89	815607	804261	<0.2	0.7	<0.2	0.7			
						4.1	0.2	56	23.3	23.3	8.1	8.1	29.8	29.8	99.7	99.7	7.2	7.2	2.2	3	3	88	88	89	815607	804261	<0.2	0.7	<0.2	0.7			
					Bottom	7.2	0.2	51	23.1	23.1	8.1	8.1	30.5	30.5	96.2	96.2	6.9	6.9	4.7	3	3	91	91	89	815607	804261	<0.2	0.7	<0.2	0.7			
						7.2	0.2	55	23.1	23.1	8.1	8.1	30.5	30.5	96.2	96.2	6.9	6.9	4.9	3	3	91	91	89	815607	804261	<0.2	0.7	<0.2	0.7			
C2	Fine	Moderate	06:35	11.5	Surface	1.0	0.1	179	23.7	23.7	8.2	8.2	23.3	23.3	91.3	91.3	6.8	6.8	5.0	3	3	85	85	88	825697	806957	<0.2	1.7	<0.2	1.6			
						1.0	0.1	184	23.7	23.7	8.2	8.2	23.3	23.3	91.3	91.3	6.8	6.8	5.0	3	3	86	86	88	825697	806957	<0.2	1.6	<0.2	1.6			
					Middle	5.8	0.0	101	23.4	23.4	8.2	8.2	25.6	25.6	91.3	91.1	6.7	6.7	6.5	3	3	88	88	89	825697	806957	<0.2	2.2	<0.2	2.2			
						5.8	0.0	106	23.3	23.3	8.2	8.2	25.6	25.6	90.9	90.9	6.7	6.7	6.7	2	2	89	89	89	825697	806957	<0.2	2.2	<0.2	2.2			
					Bottom	10.5	0.1	185	23.3	23.4	8.2	8.2	27.3	27.2	83.9	84.2	6.1	6.2	6.5	3	3	90	90	89	825697	806957	<0.2	2.2	<0.2	2.2			
						10.5	0.1	191	23.4	23.4	8.2	8.2	27.0	27.0	84.5	84.5	6.2	6.2	6.1	3	3	90	90	89	825697	806957	<0.2	2.1	<0.2	2.1			
C3	Cloudy	Rough	04:39	11.4	Surface	1.0	0.1	341	23.1	23.1	7.9	7.9	28.2	28.2	88.8	88.6	6.5	6.5	4.0	3	3	88	88	89	822093	817806	<0.2	1.3	<0.2	1.3			
						1.0	0.1	353	23.1	23.1	7.9	7.9	28.3	28.3	88.4	88.4	6.4	6.4	3.9	3	3	88	88	89	822093	817806	<0.2	1.3	<0.2	1.3			
					Middle	5.7	0.1	290	22.9	22.9	7.9	7.9	29.8	29.8	86.3	86.3	6.2	6.2	4.0	3	3	89	89	89	822093	817806	<0.2	1.2	<0.2	1.1			
						5.7	0.1	307	22.9	22.9	7.9	7.9	29.8	29.8	86.2	86.2	6.2	6.2	4.1	3	3	89	89	89	822093	817806	<0.2	1.1	<0.2	1.1			
					Bottom	10.4	0.0	328	22.9	22.9	7.9	7.9	30.1	30.1	85.2	85.4	6.2	6.2	5.1	3	3	90	90	89	822093	817806	<0.2	1.1	<0.2	1.1			
						10.4	0.0	352	22.9	22.9	7.9	7.9	30.1	30.1	85.5	85.5	6.2	6.2	5.1	4	4	90	90	89	822093	817806	<0.2	1.2	<0.2	1.2			
IM1	Fine	Moderate	05:57	5.0	Surface	1.0	0.0	316	23.8	23.8	8.1	8.1	25.1	25.1	106.0	105.9	7.8	7.8	3.5	2	2	88	88	89	817947	807129	<0.2	1.1	<0.2	1.1			
						1.0	0.0	327	23.8	23.8	8.1	8.1	25.2	25.2	105.8	105.8	7.7	7.8	3.6	2	2	89	89	89	817947	807129	<0.2	1.1	<0.2	1.1			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.0	0.0	279	23.8	23.8	8.1	8.1	25.4	25.4	104.1	104.0	7.6	7.6	4.3	2	2	89	89	89	817947	807129	<0.2	1.1	<0.2	1.1			
						4.0	0.0	284	23.8	23.8	8.1	8.1	25.4	25.4	103.8	103.8	7.6	7.6	4.3	2	2	90	90	89	817947	807129	<0.2	1.1	<0.2	1.1			
IM2	Fine	Moderate	06:04	6.9	Surface	1.0	0.0	273	23.9	23.9	8.1	8.1	25.5	25.5	105.2	105.1	7.7	7.7	3.4	4	4	85	85	88	818165	806175	<0.2	1.2	<0.2	1.2			
						1.0	0.0	290	23.9	23.9	8.1	8.1	25.5	25.5	105.0	105.0	7.7	7.5	3.5	4	4	85	85	88	818165	806175	<0.2	1.2	<0.2	1.2			
					Middle	3.5	0.1	102	23.7	23.7	8.1	8.1	27.1	27.1	98.9	98.9	7.2	7.2	4.1	3	3	88	88	88	818165	806175	<0.2	1.2	<0.2	1.2			
						3.5	0.1	105	23.7	23.7	8.1	8.1	27.1	27.1	98.9	98.9	7.2	7.2	4.1	3	3	88	88	88	818165	806175	<0.2	1.2	<0.2	1.2			
					Bottom	5.9	0.1	195	23.2	23.2	8.1	8.1	28.8	28.8	90.9	90.9	6.6	6.6	7.0	3	3	89	89	89	818165	806175	<0.2	1.2	<0.2	1.2			
						5.9	0.1	208	23.2	23.2	8.1	8.1	28.8	28.8	90.9	90.9	6.6	6.6	6.9	3	3	90	90	89	818165	806175	<0.2	1.2	<0.2	1.2			
IM3	Fine	Moderate	06:11	7.2	Surface	1.0	0.1	301	23.8	23.8	8.1	8.1	25.9	25.9	103.1	103.1	7.5	7.5	3.2	4	4	85	85	88	818765	805601	<0.2	1.2	<0.2	1.2			
						1.0	0.1	311	23.8	23.8	8.1	8.1	25.9	25.9	103.0	103.0	7.5	7.4	3.2	4	4	85	85	88	818765	805601	<0.2	1.2	<0.2	1.2			
					Middle	3.6	0.1	324	23.7	23.7	8.1	8.1	26.6	26.6	99.1	99.0	7.2	7.2	4.0	3	3	88	88	88	818765	805601	<0.2	1.2	<0.2	1.2			
						3.6	0.1	329	23.7	23.7	8.1	8.1	26.6	26.6	98.9	98.9	7.2	7.2	4.0	3	3	88	88	88	818765	805601	<0.2	1.2	<0.2	1.2			
					Bottom	6.2	0.1	259	23.2	23.2	8.1	8.1	28.7	28.7	91.1	91.1	6.6	6.6	6.1	3	3	89	89	89	818765	805601	<0.2	1.2	<0.2	1.2			
						6.2	0.1	269	23.2	23.2	8.1	8.1	28.7	28.7	91.1	91.1	6.6	6.6	6.2	3	3	89	89	89	818765	805601	<0.2	1.2	<0.2	1.2			
IM4	Fine	Moderate	06:20	8.1	Surface	1.0	0.1	272	23.6	23.6	8.1	8.1	25.4	25.3	102.5	102.5	7.5	7.5	2.8	4	4	85	85	88	819730	804604	<0.2	1.3	<0.2	1.3			
						1.0	0.1	276	23.6	23.6	8.1	8.1	25.3	25.3	102.4	102.4	7.5	7.5	2.8	4	4	85	85	88	819730	804604	<0.2	1.3	<0.2	1.3			
					Middle	4.1	0.1	346	23.8	23.8	8.1	8.1	26.6	26.6	102.7	102.7	7.4	7.4	3.2	4	4	87	87	88	819730	804604	<0.2	1.3	<0.2	1.3			
						4.1	0.1	318	23.8	23.8	8.1	8.1	26.6	26.6	102.7	102.7	7.4	7.2	3.2	4	4	88	88	88	819730	804604	<0.2	1.3	<0.2	1.3			
					Bottom	7.1	0.1	357	23.8	23.8	8.1	8.1	27.0	26.9	99.5	99.4	7.2	7.2	3.1	5	5	89	89	89	819730	804604	<0.2	1.3	<0.2	1.3			
						7.1	0.1	328	23.8	23.8	8.1	8.1	26.9	26.9	99.3	99.3	7.2	7.2	3.1	4	4	89	89	89	819730	804604	<0.2	1.3	<0.2	1.3			
IM5	Fine	Moderate	06:29	7.5	Surface	1.0	0.1	335	23.7	23.8	8.1	8.1	23.9	23.8	101.6	101.7	7.5	7.5	3.7	4	4	85	85	88	820732	804871	<0.2	1.6	<0.2	1.6			
						1.0	0.1	351	23.8	23.8	8.1	8.1	23.8	23.8	101.7	101.7	7.5	7.5	3.7	4	4	84	84	88	820732	804871	<0.2	1.6	<0.2	1.6			
					Middle	3.8	0.1	28	23.8	23.8	8.1	8.1	26.7	26.7	101.4	101.5	7.4	7.4	3.6	4	4	88	88	88	820732	804871	<0.2	1.6	<0.2	1.6			
						3.8	0.1	28	23.8	23.8	8.1	8.1	26.7	26.7	101.5	101.5	7.4	7.4	3.5	4	4	87	87										

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

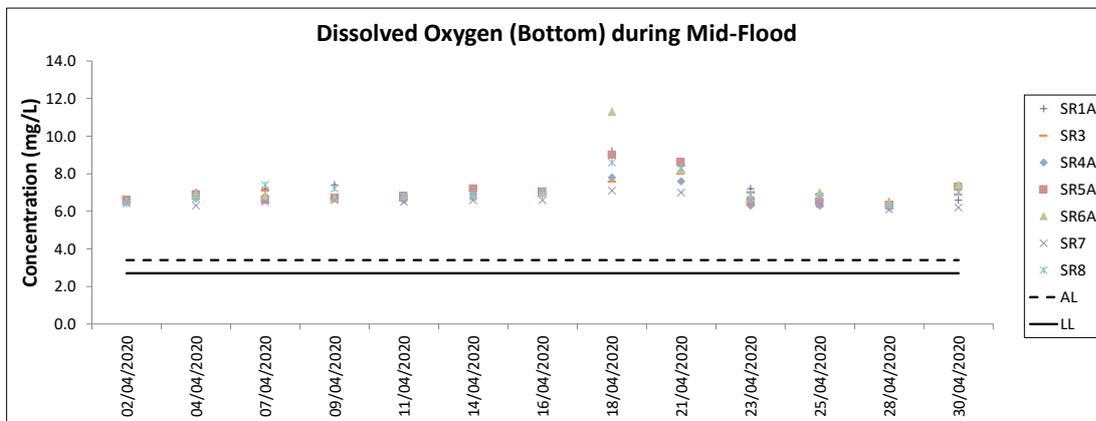
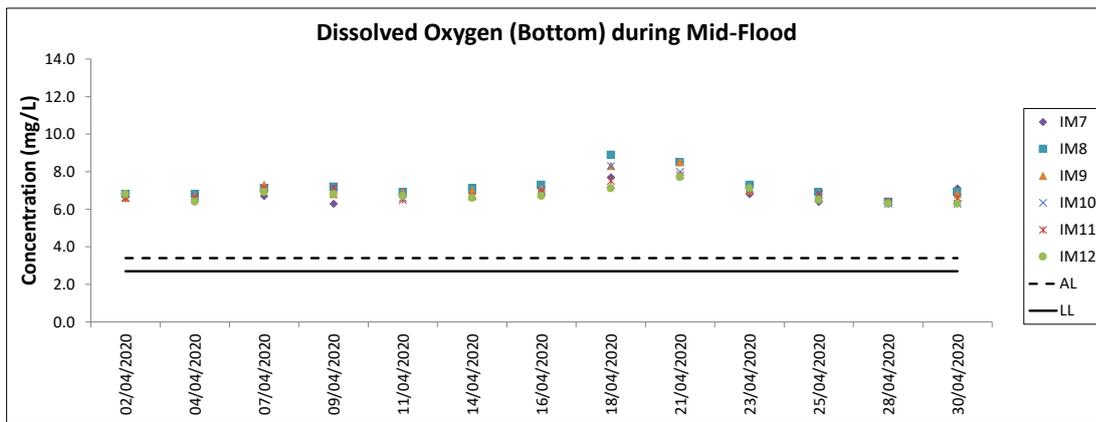
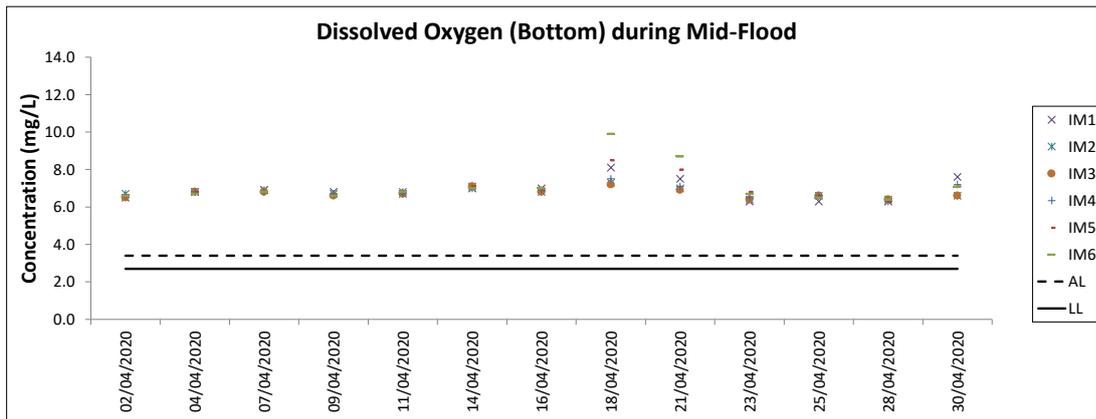
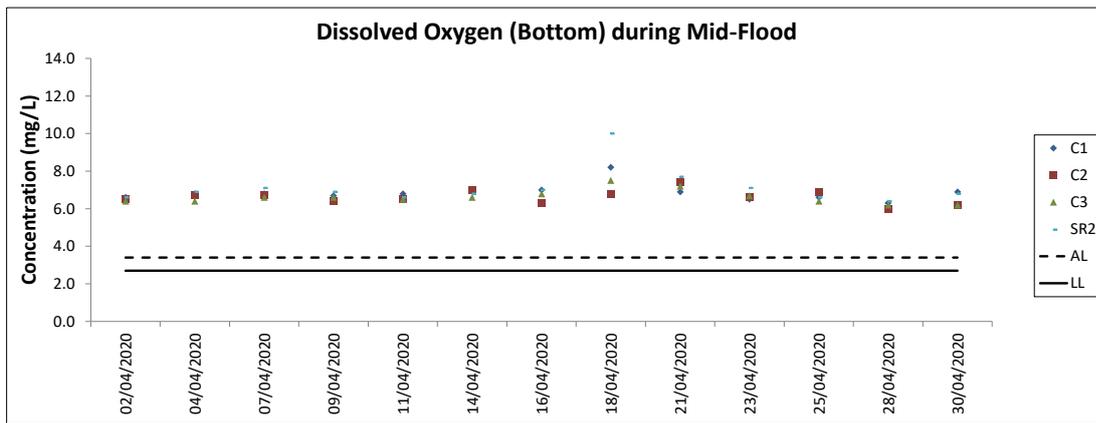
**Water Quality Monitoring Results on 30 April 20 during Mid-Flood Tide**

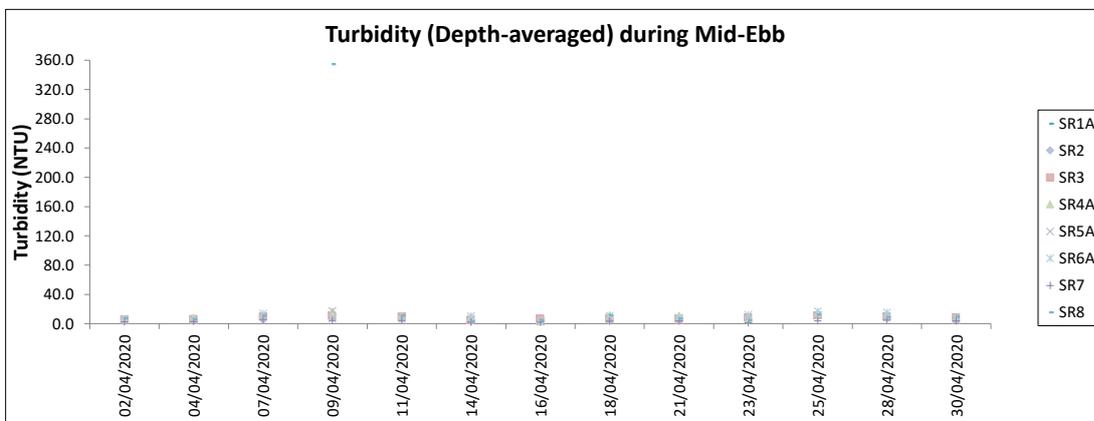
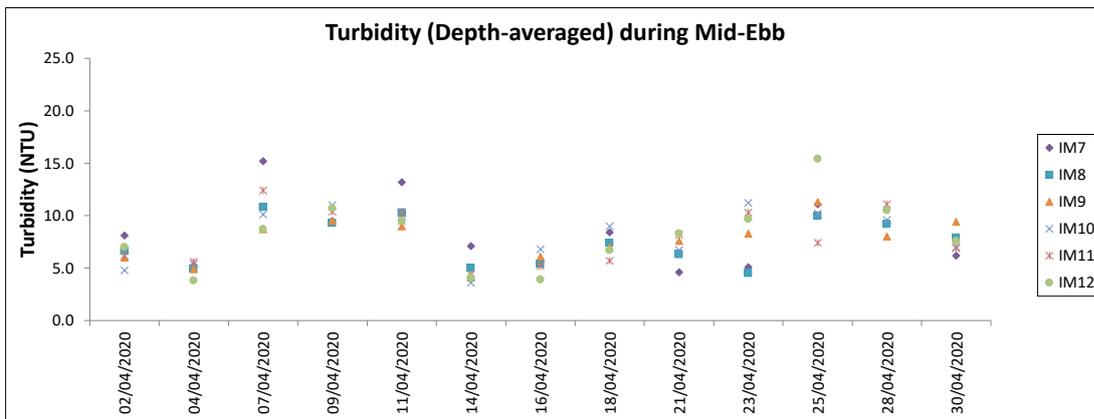
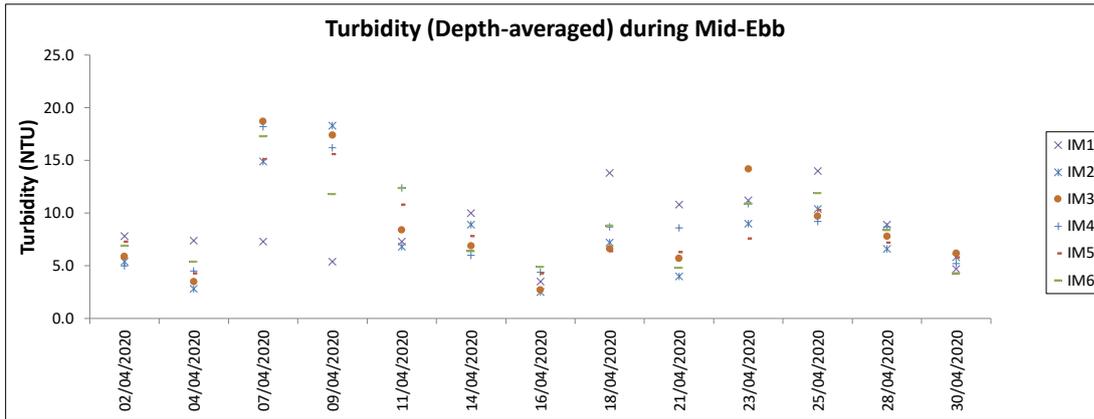
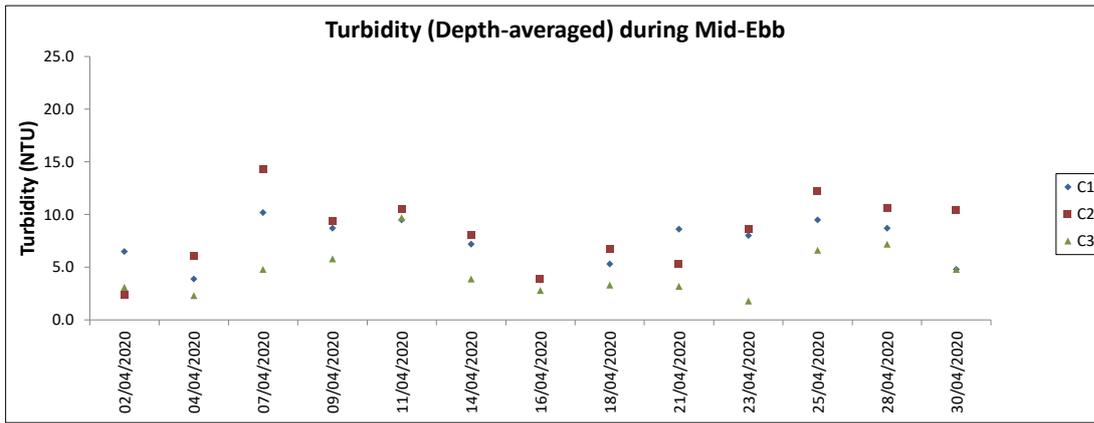
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Fine	Moderate	06:03	7.4	Surface	1.0	0.2	127	<u>23.8</u>	23.8	8.2	8.2	<u>23.0</u>	23.0	93.6	93.6	6.9	6.9	4.9	4.9	3	3	85	85	87	822079	808807	<0.2	1.9	<0.2	1.8					
						1.0	0.2	138	<u>23.8</u>	23.8	8.2	8.2	<u>23.1</u>	23.1	93.6	93.6	6.9	6.9	4.9	4.9	3	3	86	86				<0.2	1.8							
					Middle	3.7	0.1	137	<u>23.7</u>	23.7	8.2	8.2	<u>23.9</u>	23.9	94.2	94.3	7.0	7.0	5.8	5.8	3	3	87	87				<0.2	1.9	<0.2	1.8					
						3.7	0.2	147	<u>23.7</u>	23.7	8.2	8.2	<u>23.9</u>	23.9	94.3	94.3	7.0	7.0	6.0	6.0	3	3	87	87				<0.2	1.8							
					Bottom	6.4	0.2	66	<u>23.7</u>	23.7	8.2	8.1	<u>25.3</u>	25.2	92.7	92.6	6.8	6.8	6.6	6.6	4	4	88	88				<0.2	1.7	<0.2	1.7					
						6.4	0.2	69	<u>23.7</u>	23.7	8.1	8.1	<u>25.2</u>	25.2	92.5	92.5	6.8	6.8	6.4	6.4	4	4	88	88				<0.2	1.7	<0.2	1.7					
IM10	Fine	Moderate	05:56	8.2	Surface	1.0	0.4	118	<u>24.0</u>	24.0	8.2	8.2	<u>23.6</u>	23.7	94.7	94.6	7.0	7.0	4.9	4.9	4	4	85	85	88	822366	809781	<0.2	1.8	<0.2	1.8					
						1.0	0.4	121	<u>23.9</u>	23.9	8.2	8.1	<u>23.8</u>	23.8	94.4	94.3	6.9	6.9	4.9	4.9	4	4	85	85				<0.2	1.8							
					Middle	4.1	0.3	132	<u>23.8</u>	23.8	8.1	8.1	<u>24.2</u>	24.2	93.6	93.6	6.9	6.9	5.2	5.2	4	4	89	89				<0.2	1.9	<0.2	1.9					
						4.1	0.4	142	<u>23.8</u>	23.8	8.1	8.1	<u>24.2</u>	24.2	93.6	93.6	6.9	6.9	5.3	5.3	3	3	90	90				<0.2	1.9	<0.2	1.9					
					Bottom	7.2	0.2	81	<u>23.6</u>	23.6	8.1	8.1	<u>26.5</u>	26.5	86.8	86.9	6.3	6.3	5.5	5.5	3	3	90	90				<0.2	1.9	<0.2	1.9					
						7.2	0.3	82	<u>23.6</u>	23.6	8.1	8.1	<u>26.4</u>	26.4	86.9	86.9	6.3	6.3	5.5	5.5	3	3	90	90				<0.2	2.0	<0.2	2.0					
IM11	Fine	Moderate	05:43	8.1	Surface	1.0	0.3	114	<u>24.0</u>	24.0	8.2	8.2	<u>22.9</u>	22.9	97.6	97.5	7.2	7.2	4.9	4.9	4	4	85	85	88	822069	811467	<0.2	1.8	<0.2	1.8					
						1.0	0.3	114	<u>24.0</u>	24.0	8.2	8.2	<u>22.9</u>	22.9	97.3	97.3	7.2	7.2	5.1	5.1	3	3	86	86				<0.2	1.9	<0.2	1.9					
					Middle	4.1	0.2	30	<u>23.7</u>	23.7	8.1	8.1	<u>25.8</u>	25.9	95.0	95.0	6.9	6.9	6.2	6.2	4	4	89	89				<0.2	1.8	<0.2	1.8					
						4.1	0.2	31	<u>23.7</u>	23.7	8.1	8.1	<u>26.0</u>	26.0	95.0	95.0	6.9	6.9	6.2	6.2	4	4	89	89				<0.2	1.7	<0.2	1.7					
					Bottom	7.1	0.2	356	<u>23.4</u>	23.4	8.1	8.1	<u>27.2</u>	27.2	90.4	90.4	6.6	6.6	5.7	5.7	3	3	90	90				<0.2	1.9	<0.2	1.9					
						7.1	0.2	328	<u>23.4</u>	23.4	8.1	8.1	<u>27.1</u>	27.2	90.3	90.4	6.6	6.6	5.7	5.7	3	3	90	90				<0.2	1.8	<0.2	1.8					
IM12	Fine	Moderate	05:35	8.7	Surface	1.0	0.3	107	<u>23.7</u>	23.7	8.1	8.1	<u>24.5</u>	24.5	94.7	94.5	7.0	7.0	5.7	5.7	4	4	84	84	88	821454	812060	<0.2	1.8	<0.2	1.8					
						1.0	0.3	117	<u>23.7</u>	23.7	8.1	8.1	<u>24.5</u>	24.5	94.3	94.5	6.9	6.9	5.6	5.6	4	4	85	85				<0.2	1.7	<0.2	1.7					
					Middle	4.4	0.0	116	<u>23.4</u>	23.4	8.1	8.1	<u>27.2</u>	27.2	91.9	91.9	6.7	6.7	5.0	5.0	4	4	88	88				<0.2	1.7	<0.2	1.7					
						4.4	0.0	119	<u>23.4</u>	23.4	8.1	8.1	<u>27.3</u>	27.2	91.9	91.9	6.7	6.7	5.1	5.1	4	4	89	89				<0.2	1.5	<0.2	1.5					
					Bottom	7.7	0.0	97	<u>23.2</u>	23.2	8.1	8.1	<u>27.9</u>	27.9	86.7	86.7	6.3	6.3	6.5	6.5	4	4	90	90				<0.2	1.8	<0.2	1.8					
						7.7	0.0	98	<u>23.2</u>	23.2	8.1	8.1	<u>27.9</u>	27.9	86.7	86.7	6.3	6.3	6.5	6.5	4	4	90	90				<0.2	1.8	<0.2	1.8					
SR1A	Cloudy	Calm	05:17	4.7	Surface	1.0	-	-	<u>23.8</u>	23.8	8.1	8.1	<u>25.6</u>	25.7	98.4	98.4	7.2	7.2	4.3	4.3	4	4	-	-	87	819982	812660	-	-	-	-					
						1.0	-	-	<u>23.7</u>	23.8	8.1	8.1	<u>25.9</u>	25.7	98.3	98.3	7.2	7.2	4.4	4.4	4	4	-	-				-	-							
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	3.7	-	-	<u>23.5</u>	23.5	8.1	8.0	<u>27.0</u>	27.0	91.0	91.0	6.6	6.6	5.3	5.3	3	3	-	-				-	-	-	-	-	-	-	-	-
						3.7	-	-	<u>23.5</u>	23.5	8.0	8.0	<u>27.0</u>	27.0	91.0	91.0	6.6	6.6	5.3	5.3	3	3	-	-				-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	05:03	4.6	Surface	1.0	0.3	3	<u>23.8</u>	23.8	8.0	8.0	<u>25.4</u>	25.4	100.1	100.1	7.3	7.3	4.3	4.3	4	4	85	85	87	821479	814145	<0.2	2.1	<0.2	2.1					
						1.0	0.3	3	<u>23.8</u>	23.8	8.0	8.0	<u>25.4</u>	25.4	100.0	100.0	7.3	7.3	4.3	4.3	4	4	86	86				<0.2	2.1	<0.2	2.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.3	7	<u>23.5</u>	23.5	8.0	8.0	<u>26.7</u>	26.7	93.3	93.3	6.8	6.8	4.7	4.7	3	3	88	88				<0.2	2.1	<0.2	2.1					
						3.6	0.3	7	<u>23.5</u>	23.5	8.0	8.0	<u>26.7</u>	26.7	93.2	93.3	6.8	6.8	4.7	4.7	3	3	89	89				<0.2	2.2	<0.2	2.2					
SR3	Fine	Moderate	06:14	9.0	Surface	1.0	0.0	164	<u>23.9</u>	23.9	8.2	8.2	<u>21.5</u>	21.6	94.4	94.3	7.0	7.0	4.9	4.9	4	4	-	-	87	822160	807551	-	-	-	-					
						1.0	0.0	166	<u>23.8</u>	23.9	8.2	8.2	<u>21.6</u>	21.6	94.2	94.3	7.0	7.0	5.0	5.0	4	4	-	-				-	-							
					Middle	4.5	0.1	197	<u>23.6</u>	23.6	8.2	8.2	<u>26.0</u>	26.1	95.5	95.6	7.0	7.0	6.8	6.8	3	3	-	-				-	-	-	-	-	-	-		
						4.5	0.1	210	<u>23.6</u>	23.6	8.2	8.2	<u>26.1</u>	26.1	95.7	95.7	7.0	7.0	6.8	6.8	3	3	-	-				-	-	-	-	-	-			
					Bottom	8.0	0.1	44	<u>23.6</u>	23.6	8.2	8.2	<u>26.6</u>	26.6	95.4	95.3	6.9	6.9	9.3	9.3	2	2	-	-				-	-	-	-	-	-	-		
						8.0	0.1	47	<u>23.6</u>	23.6	8.2	8.2	<u>26.6</u>	26.6	95.1	95.3	6.9	6.9	9.1	9.1	2	2	-	-				-	-	-	-	-	-			
SR4A	Cloudy	Calm	05:17	9.1	Surface	1.0	0.3	85	<u>23.7</u>	23.7	8.1	8.1	<u>24.7</u>	24.6	106.1	106.0	7.8	7.8	3.8	3.8	4	4	-	-	87	817175	807786	-	-	-	-					
						1.0	0.3	86	<u>23.7</u>	23.7	8.1	8.1	<u>24.6</u>	24.6	105.8	105.8	7.8	7.8	3.8	3.8	4	4	-	-				-	-							
					Middle	4.6	0.2	80	<u>23.9</u>	23.9	8.1	8.1	<u>25.9</u>	25.9	104.1	104.0	7.6	7.6	5.8	5.8	4	4	-	-				-	-	-	-	-				
						4.6	0.2	83	<u>23.9</u>	23.9	8.1	8.1	<u>25.9</u>	25.9	103.9	103.9	7.6	7.6	5.9	5.9	4	4	-	-				-	-	-	-					
					Bottom	8.1	0.1	86	<u>23.9</u>	23.9	8.1	8.1	<u>26.4</u>	26.4	101.0	101.0	7.3	7.3	6.3	6.3	4	4	-	-				-	-	-	-	-				
						8.1	0.1	91	<u>23.9</u>	23.9	8.1	8.1	<u>26.4</u>	26.4	101.0	101.0	7.3	7.3	6.5	6.5	4	4	-	-				-	-	-	-					
SR5A	Cloudy	Calm	04:58	3.7	Surface	1.0	0.1	96	<u>23.6</u>	23.6	8.1	8.1	<u>27.2</u>	27.2	98.7	98.9	7.2	7.2	3.9	3.9	4	4														



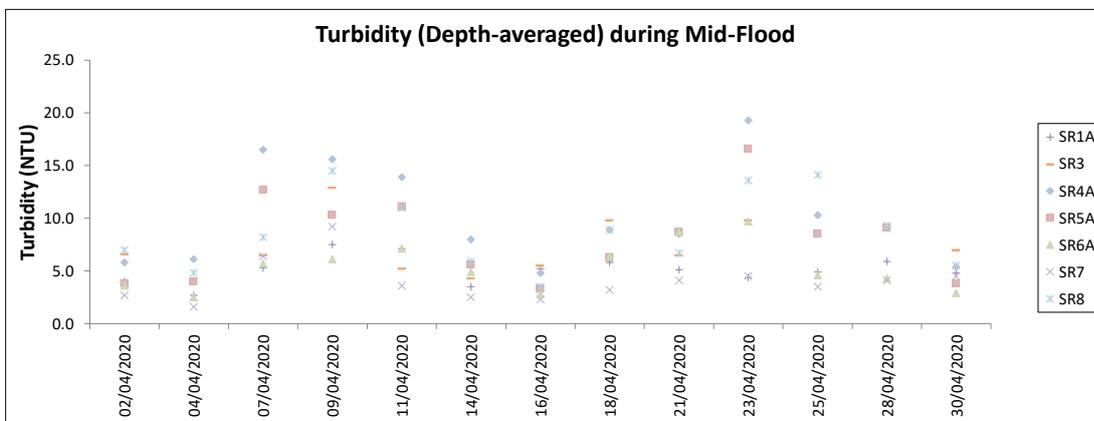
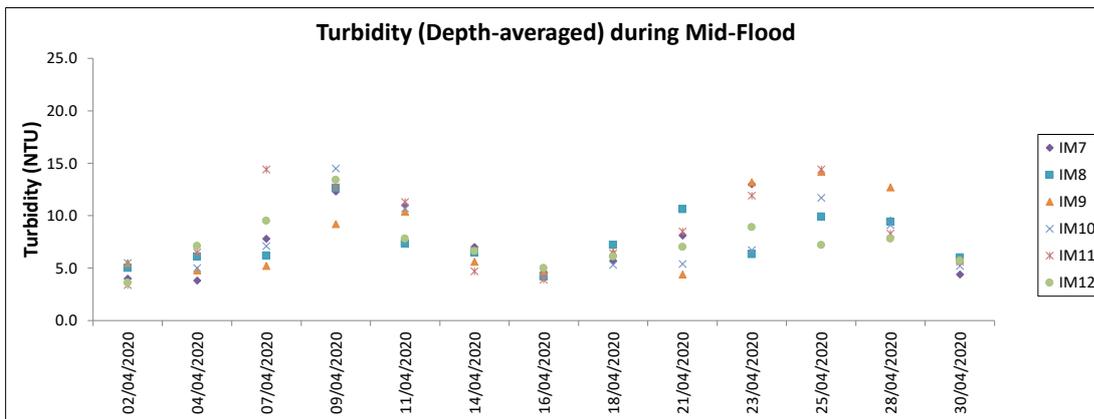
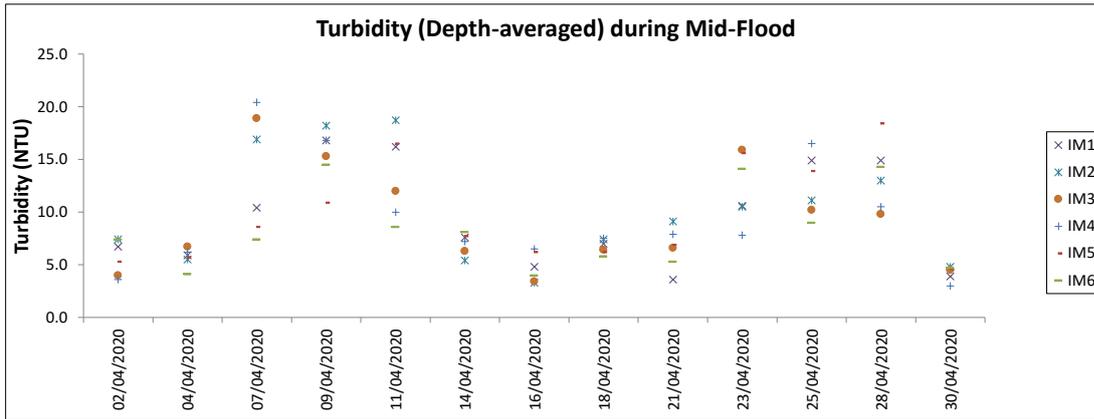
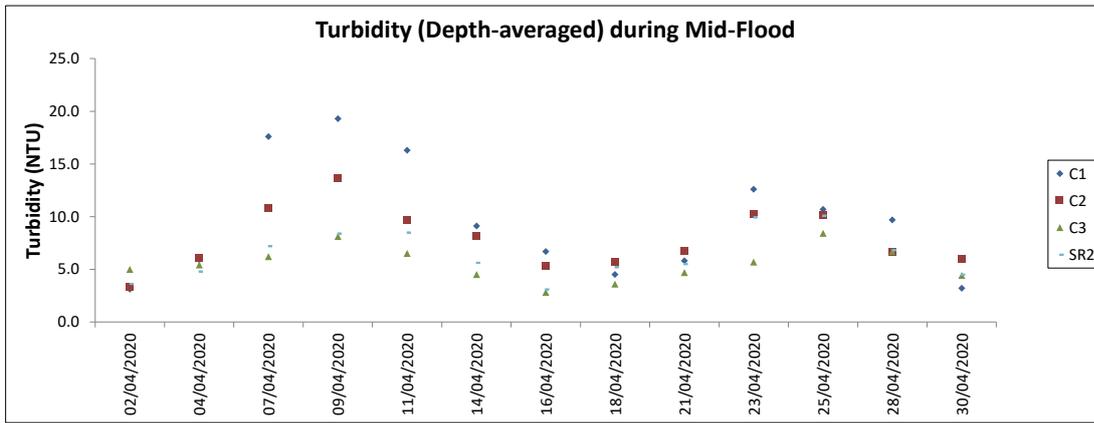




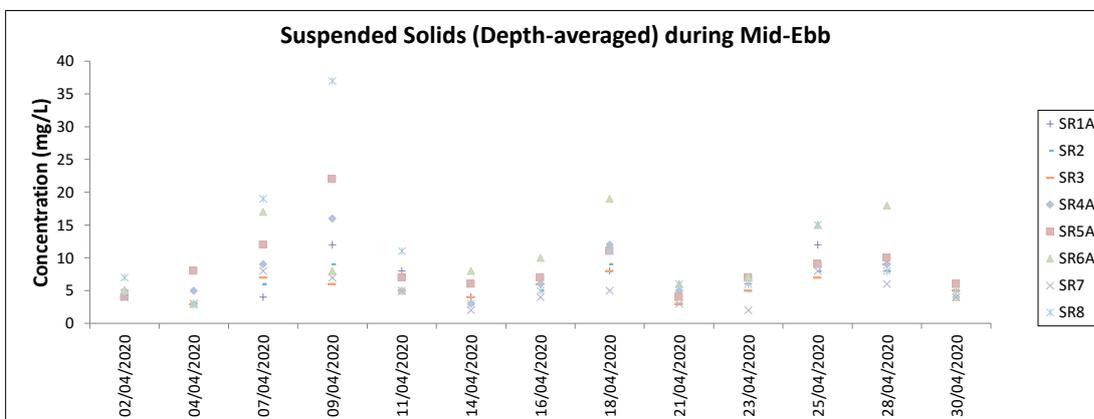
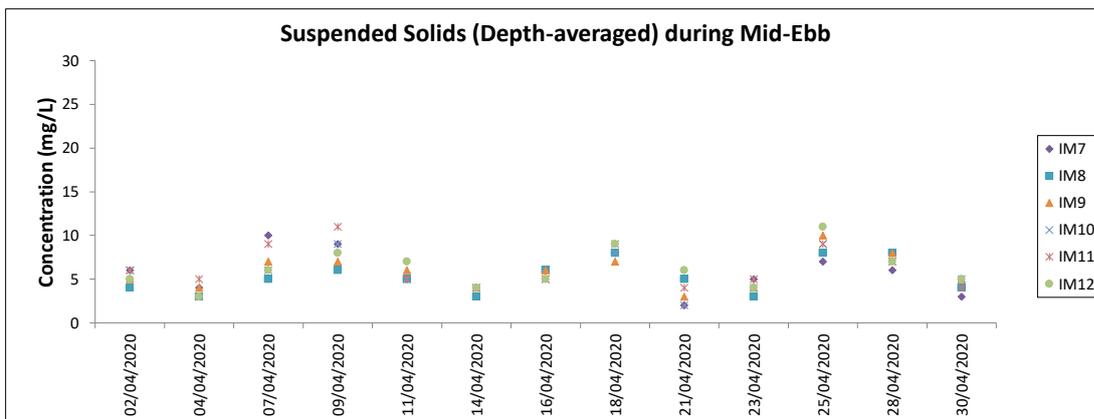
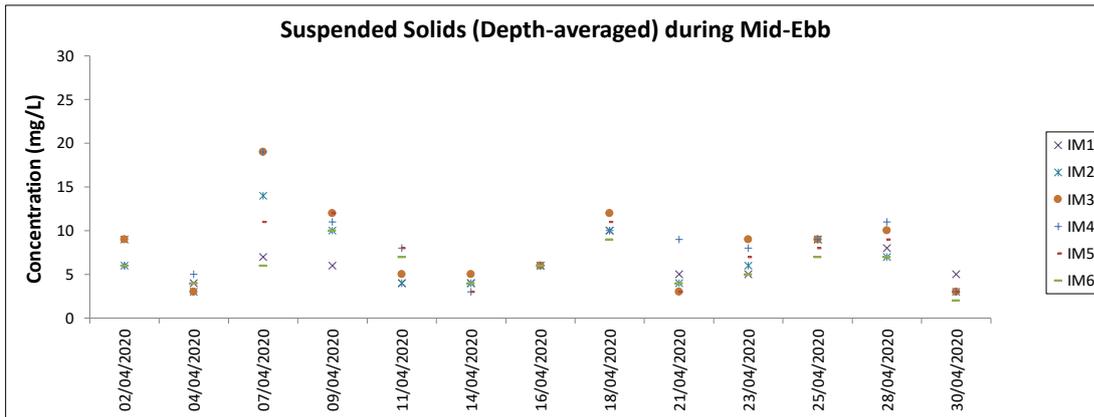
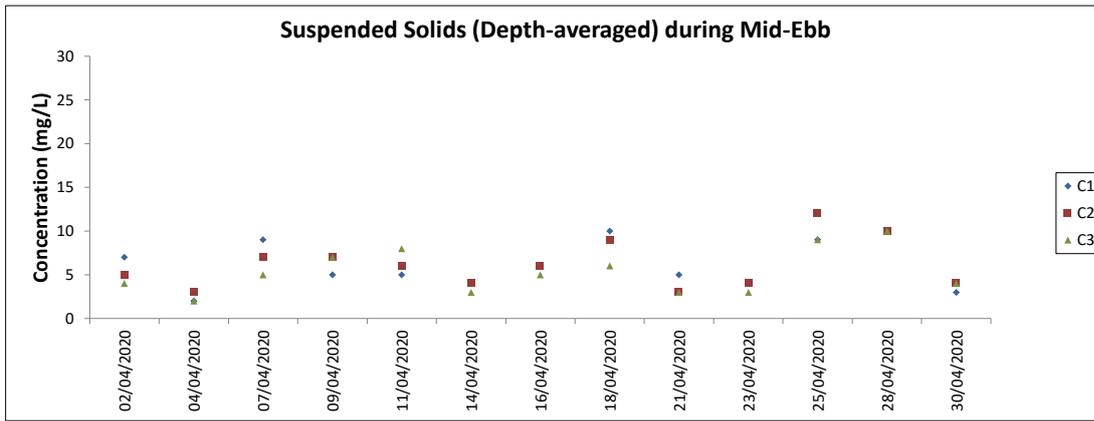




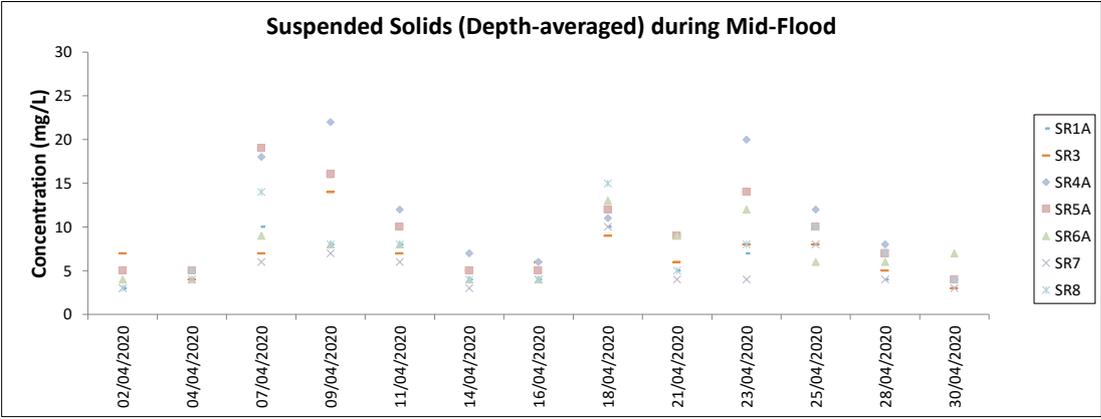
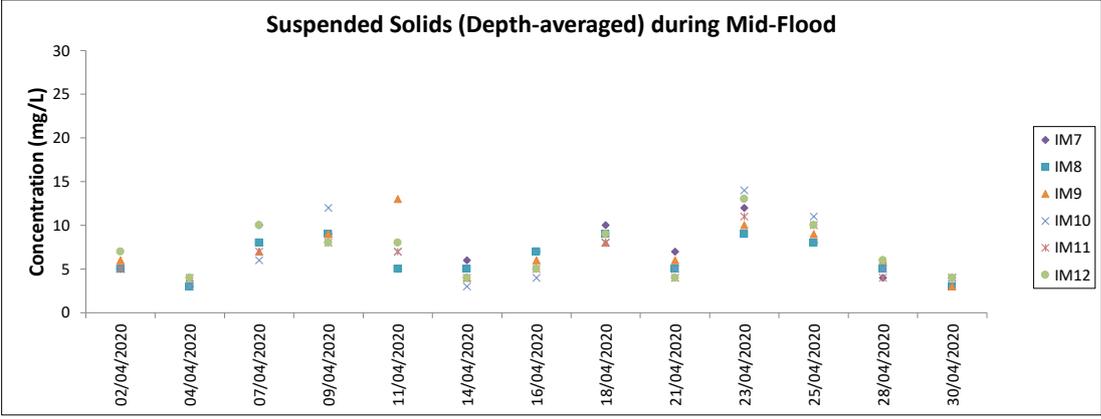
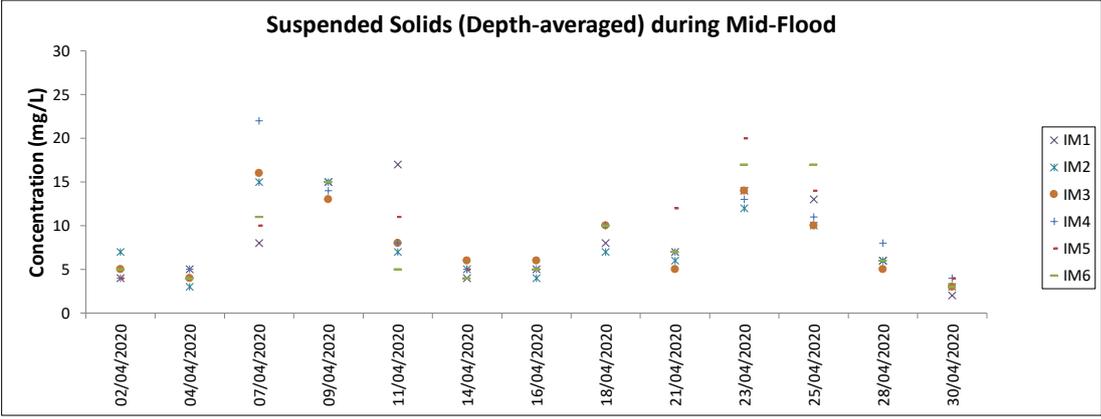
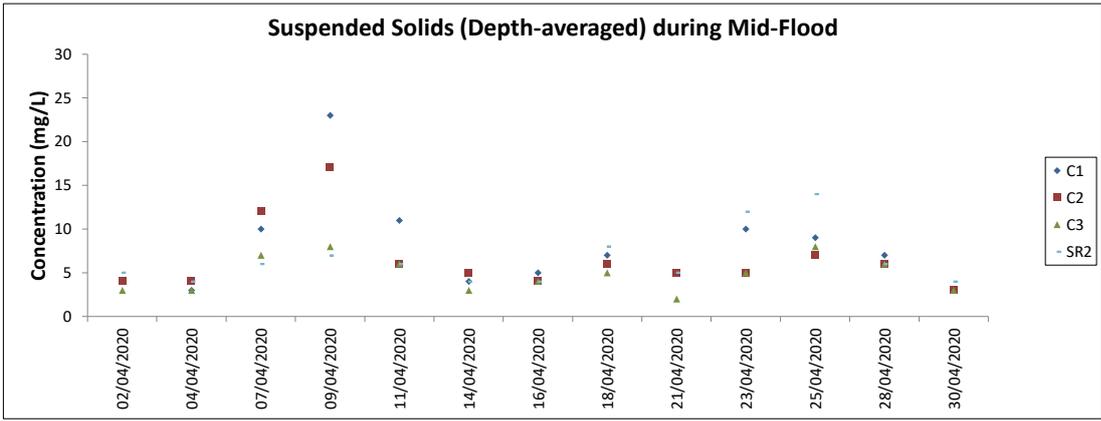
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



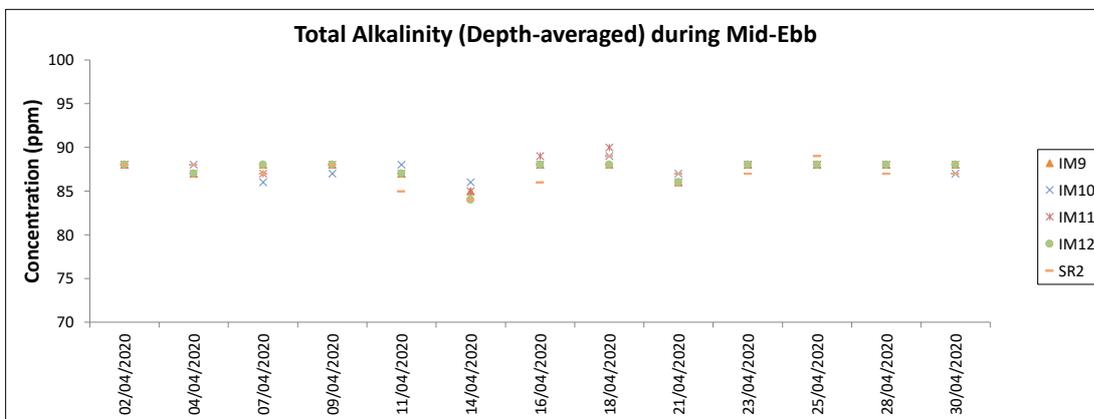
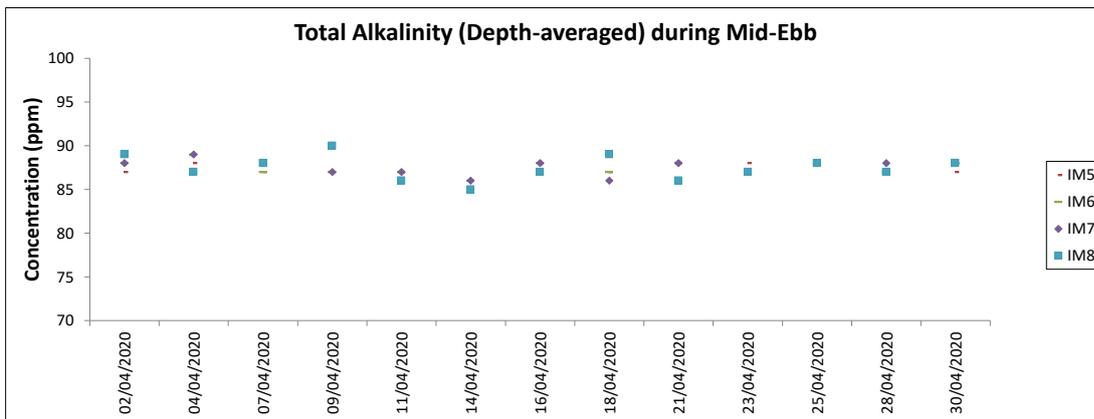
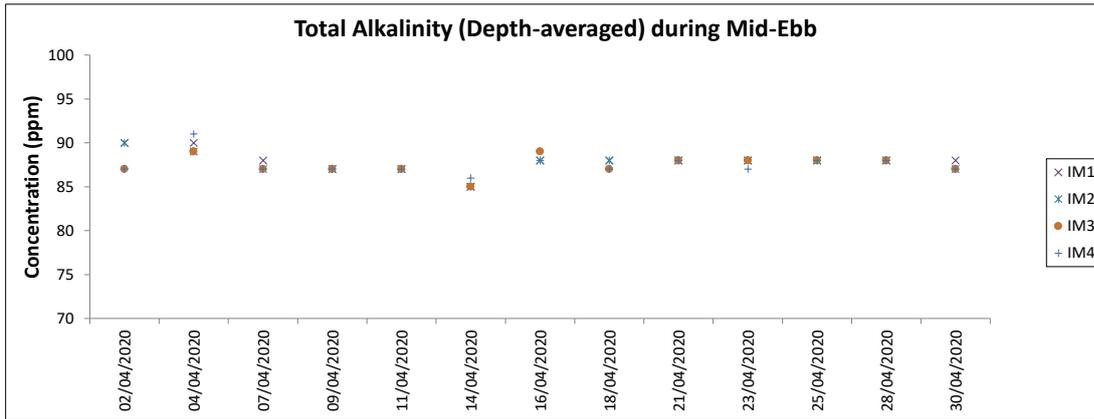
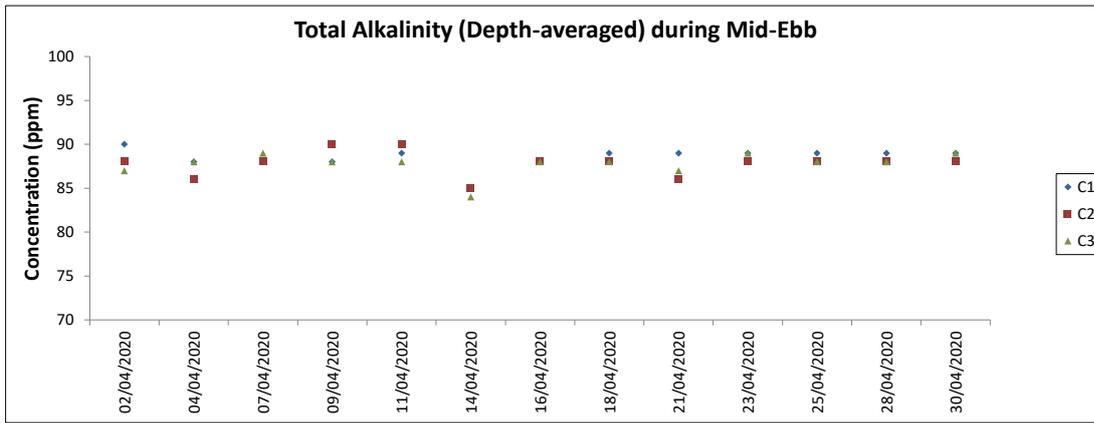
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



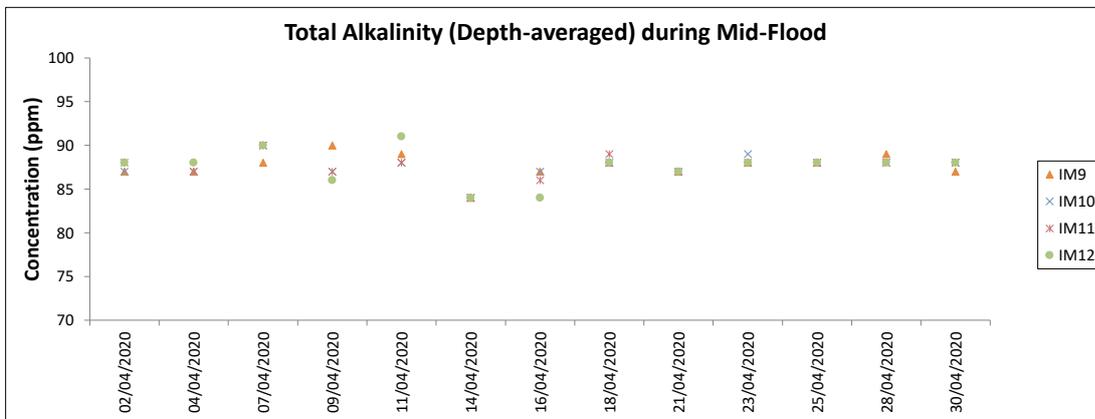
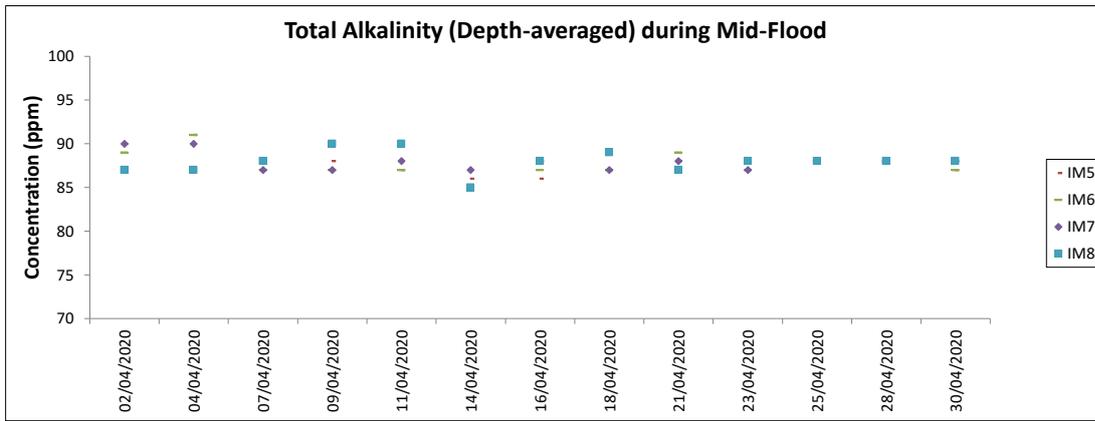
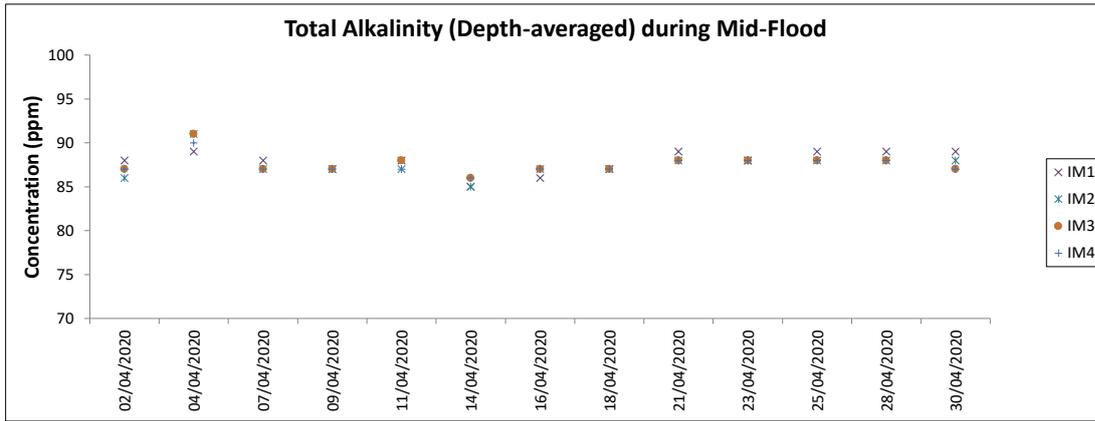
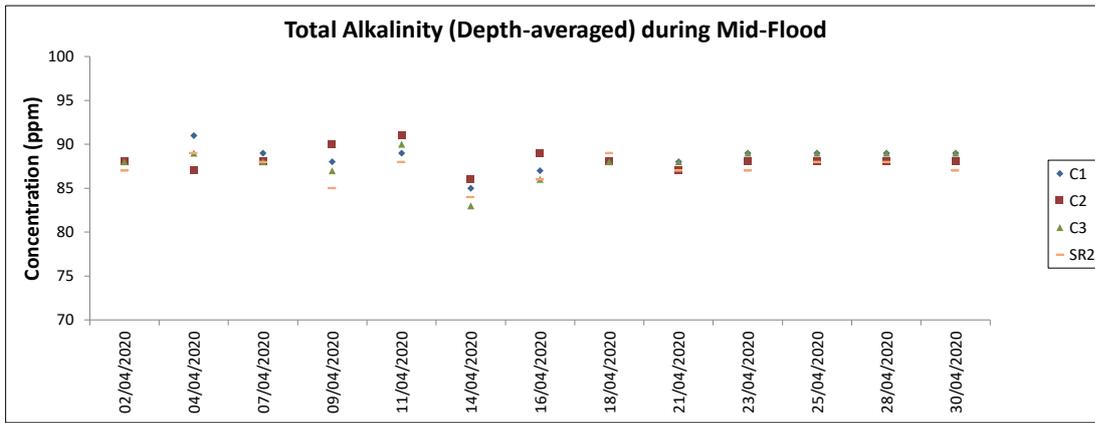
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



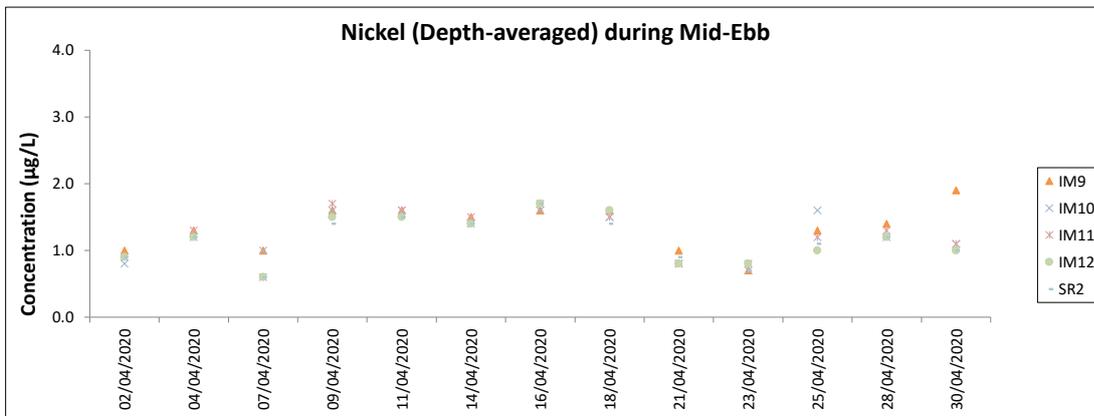
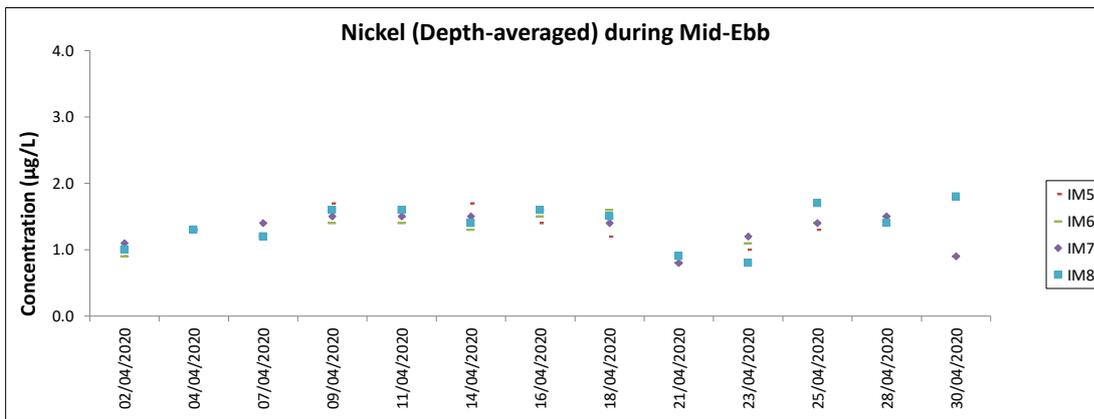
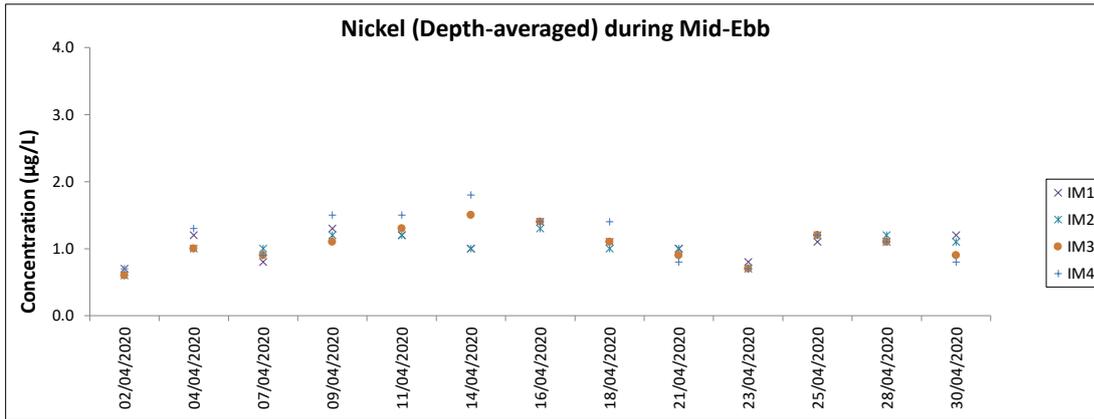
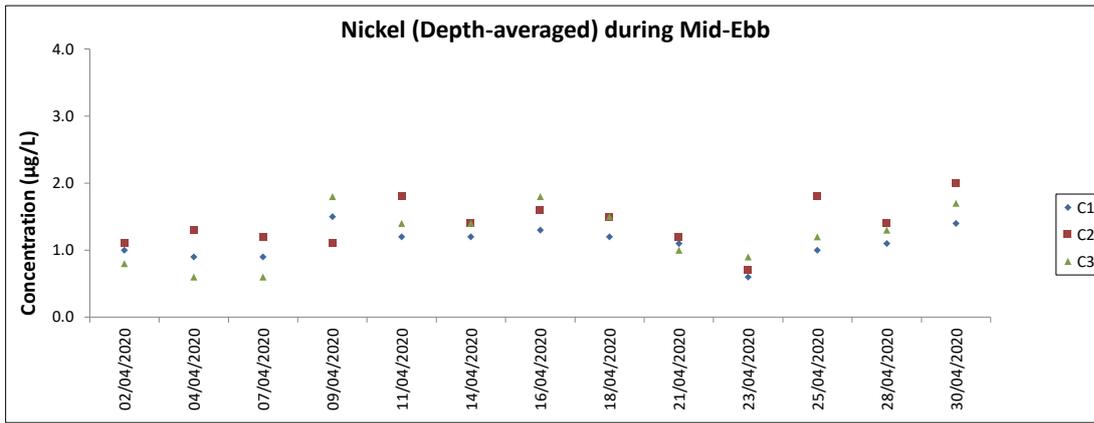
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



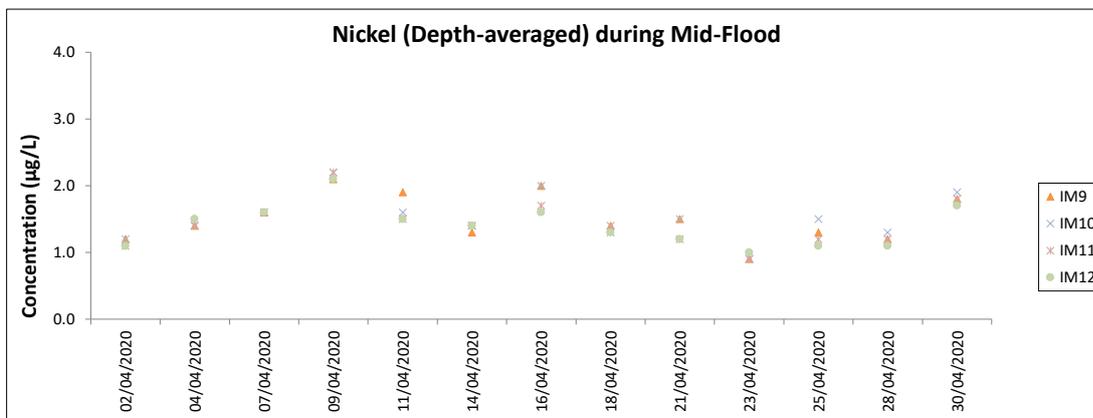
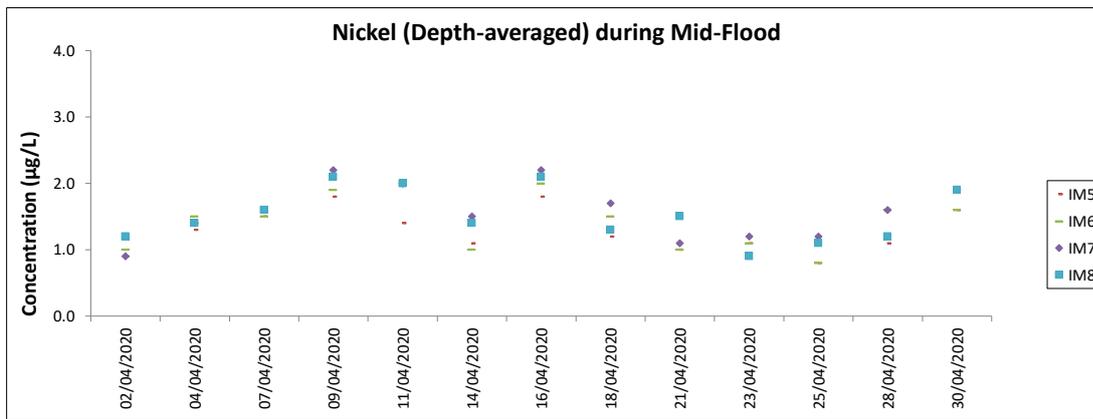
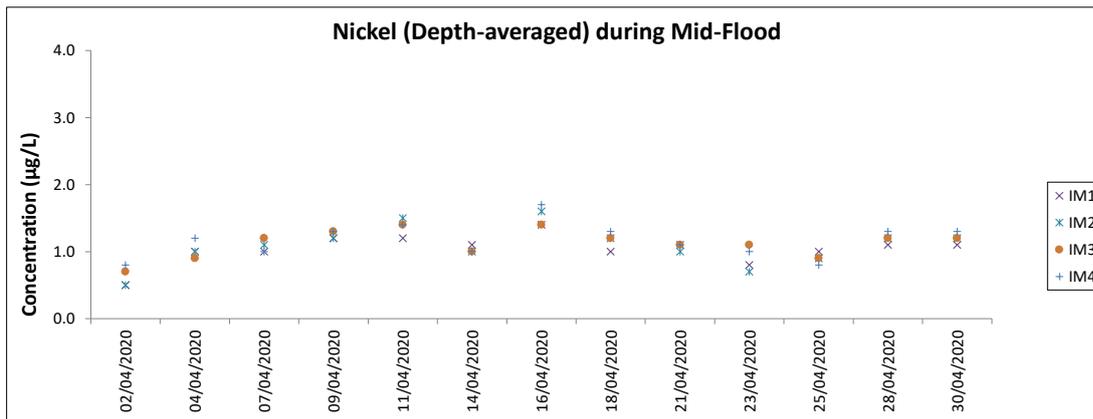
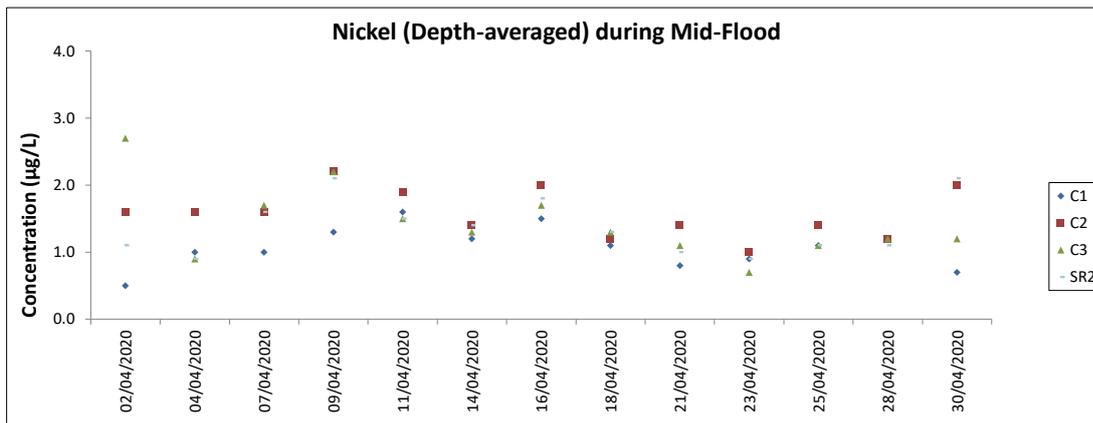
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.  
 All chromium results in the reporting period was below the reporting limit 0.2 µg/L.  
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.  
 Weather conditions during monitoring are presented in the data tables above.  
 QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

# **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
10-Feb-20	NWL	2	58.000	WINTER	32166	3RS ET	P
10-Feb-20	NWL	3	5.360	WINTER	32166	3RS ET	P
10-Feb-20	NWL	2	11.700	WINTER	32166	3RS ET	S
11-Feb-20	NWL	2	30.200	WINTER	32166	3RS ET	P
11-Feb-20	NWL	3	33.800	WINTER	32166	3RS ET	P
11-Feb-20	NWL	2	4.600	WINTER	32166	3RS ET	S
11-Feb-20	NWL	3	6.900	WINTER	32166	3RS ET	S
12-Feb-20	AW	2	4.552	WINTER	32166	3RS ET	P
12-Feb-20	WL	2	18.710	WINTER	32166	3RS ET	P
12-Feb-20	WL	3	0.959	WINTER	32166	3RS ET	P
12-Feb-20	WL	2	8.676	WINTER	32166	3RS ET	S
12-Feb-20	WL	3	1.631	WINTER	32166	3RS ET	S
17-Feb-20	NEL	2	7.100	WINTER	32166	3RS ET	P
17-Feb-20	NEL	3	29.780	WINTER	32166	3RS ET	P
17-Feb-20	NEL	2	3.900	WINTER	32166	3RS ET	S
17-Feb-20	NEL	3	6.420	WINTER	32166	3RS ET	S
18-Feb-20	NEL	2	15.530	WINTER	32166	3RS ET	P
18-Feb-20	NEL	3	21.650	WINTER	32166	3RS ET	P
18-Feb-20	NEL	2	5.120	WINTER	32166	3RS ET	S
18-Feb-20	NEL	3	5.000	WINTER	32166	3RS ET	S
20-Feb-20	AW	3	4.920	WINTER	32166	3RS ET	P
20-Feb-20	WL	2	13.391	WINTER	32166	3RS ET	P
20-Feb-20	WL	3	5.057	WINTER	32166	3RS ET	P
20-Feb-20	WL	2	9.593	WINTER	32166	3RS ET	S
20-Feb-20	WL	4	1.013	WINTER	32166	3RS ET	S
21-Feb-20	SWL	3	26.930	WINTER	32166	3RS ET	P
21-Feb-20	SWL	4	18.000	WINTER	32166	3RS ET	P
21-Feb-20	SWL	5	9.200	WINTER	32166	3RS ET	P
21-Feb-20	SWL	3	7.600	WINTER	32166	3RS ET	S
21-Feb-20	SWL	4	7.700	WINTER	32166	3RS ET	S
21-Feb-20	SWL	5	1.270	WINTER	32166	3RS ET	S
26-Feb-20	SWL	1	1.800	WINTER	32166	3RS ET	P
26-Feb-20	SWL	2	49.708	WINTER	32166	3RS ET	P
26-Feb-20	SWL	3	0.840	WINTER	32166	3RS ET	P
26-Feb-20	SWL	2	13.918	WINTER	32166	3RS ET	S
26-Feb-20	SWL	3	1.970	WINTER	32166	3RS ET	S
2-Mar-20	NEL	2	2.500	SPRING	32166	3RS ET	P
2-Mar-20	NEL	3	32.140	SPRING	32166	3RS ET	P
2-Mar-20	NEL	4	2.600	SPRING	32166	3RS ET	P
2-Mar-20	NEL	2	1.200	SPRING	32166	3RS ET	S
2-Mar-20	NEL	3	8.160	SPRING	32166	3RS ET	S
2-Mar-20	NEL	4	1.000	SPRING	32166	3RS ET	S
6-Mar-20	NEL	2	3.460	SPRING	32166	3RS ET	P
6-Mar-20	NEL	3	33.340	SPRING	32166	3RS ET	P
6-Mar-20	NEL	2	1.200	SPRING	32166	3RS ET	S
6-Mar-20	NEL	3	9.900	SPRING	32166	3RS ET	S
11-Mar-20	NWL	2	4.786	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Mar-20	NWL	3	53.890	SPRING	32166	3RS ET	P
11-Mar-20	NWL	4	1.400	SPRING	32166	3RS ET	P
11-Mar-20	NWL	3	12.430	SPRING	32166	3RS ET	S
12-Mar-20	AW	4	4.920	SPRING	32166	3RS ET	P
12-Mar-20	WL	3	1.675	SPRING	32166	3RS ET	P
12-Mar-20	WL	4	15.140	SPRING	32166	3RS ET	P
12-Mar-20	WL	5	2.008	SPRING	32166	3RS ET	P
12-Mar-20	WL	3	0.480	SPRING	32166	3RS ET	S
12-Mar-20	WL	4	7.380	SPRING	32166	3RS ET	S
12-Mar-20	WL	5	1.762	SPRING	32166	3RS ET	S
17-Mar-20	NWL	2	39.340	SPRING	32166	3RS ET	P
17-Mar-20	NWL	3	23.260	SPRING	32166	3RS ET	P
17-Mar-20	NWL	4	1.000	SPRING	32166	3RS ET	P
17-Mar-20	NWL	2	6.700	SPRING	32166	3RS ET	S
17-Mar-20	NWL	3	4.900	SPRING	32166	3RS ET	S
18-Mar-20	AW	2	5.000	SPRING	32166	3RS ET	P
18-Mar-20	WL	2	9.543	SPRING	32166	3RS ET	P
18-Mar-20	WL	3	9.425	SPRING	32166	3RS ET	P
18-Mar-20	WL	2	7.497	SPRING	32166	3RS ET	S
18-Mar-20	WL	3	2.691	SPRING	32166	3RS ET	S
19-Mar-20	SWL	1	6.940	SPRING	32166	3RS ET	P
19-Mar-20	SWL	2	38.570	SPRING	32166	3RS ET	P
19-Mar-20	SWL	3	8.050	SPRING	32166	3RS ET	P
19-Mar-20	SWL	2	14.355	SPRING	32166	3RS ET	S
19-Mar-20	SWL	3	2.200	SPRING	32166	3RS ET	S
23-Mar-20	SWL	1	6.890	SPRING	32166	3RS ET	P
23-Mar-20	SWL	2	45.972	SPRING	32166	3RS ET	P
23-Mar-20	SWL	1	1.350	SPRING	32166	3RS ET	S
23-Mar-20	SWL	2	14.535	SPRING	32166	3RS ET	S
3-Apr-20	NEL	2	1.270	SPRING	32166	3RS ET	P
3-Apr-20	NEL	3	26.900	SPRING	32166	3RS ET	P
3-Apr-20	NEL	4	8.700	SPRING	32166	3RS ET	P
3-Apr-20	NEL	3	9.830	SPRING	32166	3RS ET	S
3-Apr-20	NEL	4	1.000	SPRING	32166	3RS ET	S
7-Apr-20	NEL	1	10.100	SPRING	32166	3RS ET	P
7-Apr-20	NEL	2	27.170	SPRING	32166	3RS ET	P
7-Apr-20	NEL	1	1.000	SPRING	32166	3RS ET	S
7-Apr-20	NEL	2	9.330	SPRING	32166	3RS ET	S
9-Apr-20	AW	2	5.030	SPRING	32166	3RS ET	P
9-Apr-20	WL	2	10.238	SPRING	32166	3RS ET	P
9-Apr-20	WL	3	6.538	SPRING	32166	3RS ET	P
9-Apr-20	WL	4	1.390	SPRING	32166	3RS ET	P
9-Apr-20	WL	2	6.432	SPRING	32166	3RS ET	S
9-Apr-20	WL	3	2.932	SPRING	32166	3RS ET	S
9-Apr-20	WL	4	0.910	SPRING	32166	3RS ET	S
15-Apr-20	AW	2	5.040	SPRING	32166	3RS ET	P
15-Apr-20	WL	2	20.680	SPRING	32166	3RS ET	P
15-Apr-20	WL	2	10.420	SPRING	32166	3RS ET	S
16-Apr-20	SWL	2	52.486	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
16-Apr-20	SWL	2	15.854	SPRING	32166	3RS ET	S
17-Apr-20	SWL	2	26.394	SPRING	32166	3RS ET	P
17-Apr-20	SWL	3	27.056	SPRING	32166	3RS ET	P
17-Apr-20	SWL	2	9.230	SPRING	32166	3RS ET	S
17-Apr-20	SWL	3	8.050	SPRING	32166	3RS ET	S
20-Apr-20	NWL	2	41.800	SPRING	32166	3RS ET	P
20-Apr-20	NWL	3	22.200	SPRING	32166	3RS ET	P
20-Apr-20	NWL	2	7.600	SPRING	32166	3RS ET	S
20-Apr-20	NWL	3	4.200	SPRING	32166	3RS ET	S
21-Apr-20	NWL	2	26.840	SPRING	32166	3RS ET	P
21-Apr-20	NWL	3	36.760	SPRING	32166	3RS ET	P
21-Apr-20	NWL	2	4.300	SPRING	32166	3RS ET	S
21-Apr-20	NWL	3	7.600	SPRING	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only.

## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
10-Feb-20	1	0953	CWD	5	NWL	2	31	ON	3RS ET	22.3704	113.8700	WINTER	NONE	P
12-Feb-20	1	0936	CWD	6	AW	2	11	ON	3RS ET	22.3032	113.8723	WINTER	NONE	P
12-Feb-20	2	1103	CWD	2	WL	2	22	ON	3RS ET	22.2688	113.8576	WINTER	NONE	P
12-Feb-20	3	1129	CWD	1	WL	2	365	ON	3RS ET	22.2554	113.8358	WINTER	NONE	S
12-Feb-20	4	1143	CWD	1	WL	2	80	ON	3RS ET	22.2502	113.8347	WINTER	NONE	P
12-Feb-20	5	1231	CWD	1	WL	2	317	ON	3RS ET	22.2232	113.8359	WINTER	NONE	P
12-Feb-20	6	1249	CWD	1	WL	2	38	ON	3RS ET	22.2229	113.8313	WINTER	NONE	P
12-Feb-20	7	1304	CWD	3	WL	2	43	ON	3RS ET	22.2145	113.8270	WINTER	NONE	P
20-Feb-20	1	1048	CWD	2	WL	2	45	ON	3RS ET	22.2599	113.8494	WINTER	NONE	P
20-Feb-20	2	1054	CWD	2	WL	2	175	ON	3RS ET	22.2611	113.8428	WINTER	NONE	P
20-Feb-20	3	1148	CWD	6	WL	2	305	ON	3RS ET	22.2235	113.8328	WINTER	NONE	P
20-Feb-20	4	1238	CWD	3	WL	2	282	ON	3RS ET	22.2005	113.8254	WINTER	NONE	S
26-Feb-20	1	1049	FP	2	SWL	2	294	ON	3RS ET	22.1800	113.9361	WINTER	NONE	P
26-Feb-20	2	1058	FP	1	SWL	2	69	ON	3RS ET	22.1669	113.9362	WINTER	NONE	P
26-Feb-20	3	1102	FP	2	SWL	2	604	ON	3RS ET	22.1632	113.9361	WINTER	NONE	P
26-Feb-20	4	1110	FP	2	SWL	2	1	ON	3RS ET	22.1489	113.9347	WINTER	NONE	S
26-Feb-20	5	1113	FP	2	SWL	2	11	ON	3RS ET	22.1473	113.9332	WINTER	NONE	S
26-Feb-20	6	1118	FP	1	SWL	2	246	ON	3RS ET	22.1437	113.9283	WINTER	NONE	S
26-Feb-20	7	1122	FP	3	SWL	2	89	ON	3RS ET	22.1484	113.9275	WINTER	NONE	S
26-Feb-20	8	1149	FP	2	SWL	2	179	ON	3RS ET	22.2012	113.9271	WINTER	NONE	P
26-Feb-20	9	1222	FP	1	SWL	2	137	ON	3RS ET	22.1533	113.9178	WINTER	NONE	P
26-Feb-20	10	1226	FP	1	SWL	2	124	ON	3RS ET	22.1489	113.9177	WINTER	NONE	P
26-Feb-20	11	1229	FP	1	SWL	2	32	ON	3RS ET	22.1468	113.9181	WINTER	NONE	P
26-Feb-20	12	1242	FP	1	SWL	3	293	ON	3RS ET	22.1493	113.9085	WINTER	NONE	P
26-Feb-20	13	1249	FP	1	SWL	2	3	ON	3RS ET	22.1549	113.9062	WINTER	NONE	S
26-Feb-20	14	1352	FP	1	SWL	2	171	ON	3RS ET	22.1555	113.8976	WINTER	NONE	P
26-Feb-20	15	1544	CWD	2	SWL	2	745	ON	3RS ET	22.1784	113.8498	WINTER	NONE	P
11-Mar-20	1	0938	CWD	8	NWL	2	712	ON	3RS ET	22.4130	113.8701	SPRING	NONE	P
11-Mar-20	2	1055	CWD	2	NWL	3	118	ON	3RS ET	22.2980	113.8701	SPRING	NONE	P
12-Mar-20	1	1030	CWD	4	WL	4	N/A	OFF	3RS ET	22.2778	113.8565	SPRING	NONE	P
12-Mar-20	2	1046	CWD	1	WL	5	36	ON	3RS ET	22.2693	113.8518	SPRING	NONE	P
12-Mar-20	3	1056	CWD	1	WL	3	192	ON	3RS ET	22.2635	113.8568	SPRING	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
12-Mar-20	4	1108	CWD	4	WL	3	440	ON	3RS ET	22.2611	113.8489	SPRING	NONE	P
12-Mar-20	5	1136	CWD	2	WL	3	751	ON	3RS ET	22.2482	113.8517	SPRING	NONE	S
18-Mar-20	1	1052	CWD	1	WL	3	102	ON	3RS ET	22.2605	113.8500	SPRING	NONE	P
18-Mar-20	2	1201	CWD	5	WL	2	147	ON	3RS ET	22.2324	113.8236	SPRING	NONE	S
18-Mar-20	3	1246	CWD	2	WL	3	29	ON	3RS ET	22.2130	113.8365	SPRING	NONE	S
19-Mar-20	1	1035	FP	3	SWL	1	38	ON	3RS ET	22.2111	113.9360	SPRING	NONE	P
19-Mar-20	2	1042	FP	1	SWL	2	79	ON	3RS ET	22.1984	113.9363	SPRING	NONE	P
19-Mar-20	3	1046	FP	2	SWL	2	230	ON	3RS ET	22.1951	113.9362	SPRING	NONE	P
19-Mar-20	4	1050	FP	11	SWL	2	162	ON	3RS ET	22.1909	113.9357	SPRING	NONE	P
19-Mar-20	5	1106	FP	2	SWL	2	8	ON	3RS ET	22.1708	113.9359	SPRING	NONE	P
19-Mar-20	6	1216	FP	2	SWL	2	352	ON	3RS ET	22.1552	113.9177	SPRING	NONE	P
19-Mar-20	7	1221	FP	1	SWL	2	62	ON	3RS ET	22.1487	113.9176	SPRING	NONE	P
19-Mar-20	8	1259	FP	3	SWL	2	452	ON	3RS ET	22.1924	113.9078	SPRING	NONE	P
19-Mar-20	9	1408	FP	2	SWL	2	146	ON	3RS ET	22.1909	113.8878	SPRING	NONE	P
23-Mar-20	1	1047	FP	3	SWL	2	128	ON	3RS ET	22.1813	113.9359	SPRING	NONE	P
23-Mar-20	2	1050	FP	6	SWL	2	37	ON	3RS ET	22.1788	113.9358	SPRING	NONE	P
23-Mar-20	3	1056	FP	1	SWL	2	179	ON	3RS ET	22.1704	113.9365	SPRING	NONE	P
23-Mar-20	4	1101	FP	1	SWL	2	228	ON	3RS ET	22.1633	113.9357	SPRING	NONE	P
23-Mar-20	5	1118	FP	2	SWL	2	36	ON	3RS ET	22.1532	113.9275	SPRING	NONE	P
23-Mar-20	6	1127	FP	1	SWL	2	267	ON	3RS ET	22.1710	113.9278	SPRING	NONE	P
23-Mar-20	7	1207	FP	4	SWL	2	139	ON	3RS ET	22.1632	113.9183	SPRING	NONE	P
23-Mar-20	8	1224	FP	4	SWL	2	245	ON	3RS ET	22.1449	113.9080	SPRING	NONE	P
23-Mar-20	9	1231	FP	2	SWL	2	165	ON	3RS ET	22.1549	113.9047	SPRING	NONE	S
23-Mar-20	10	1332	FP	5	SWL	2	424	ON	3RS ET	22.1535	113.8977	SPRING	NONE	P
23-Mar-20	11	1338	FP	1	SWL	2	237	ON	3RS ET	22.1488	113.8931	SPRING	NONE	S
23-Mar-20	12	1346	FP	1	SWL	2	3	ON	3RS ET	22.1578	113.8879	SPRING	NONE	P
23-Mar-20	13	1355	FP	2	SWL	2	431	ON	3RS ET	22.1743	113.8880	SPRING	NONE	P
23-Mar-20	14	1359	FP	1	SWL	2	274	ON	3RS ET	22.1816	113.8878	SPRING	NONE	P
23-Mar-20	15	1426	FP	1	SWL	2	572	ON	3RS ET	22.1932	113.8780	SPRING	NONE	P
23-Mar-20	16	1455	FP	4	SWL	2	351	ON	3RS ET	22.1597	113.8721	SPRING	NONE	S
23-Mar-20	17	1519	CWD	4	SWL	2	535	ON	3RS ET	22.1996	113.8618	SPRING	NONE	P
23-Mar-20	18	1607	CWD	3	SWL	2	299	ON	3RS ET	22.1951	113.8503	SPRING	NONE	P
9-Apr-20	1	1031	CWD	7	WL	2	264	ON	3RS ET	22.2687	113.8500	SPRING	PURSE SEINER	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
9-Apr-20	2	1053	CWD	2	WL	2	73	ON	3RS ET	22.2636	113.8569	SPRING	NONE	S
9-Apr-20	3	1124	CWD	4	WL	2	58	ON	3RS ET	22.2501	113.8420	SPRING	NONE	P
9-Apr-20	4	1156	CWD	1	WL	3	7	ON	3RS ET	22.2325	113.8378	SPRING	NONE	P
9-Apr-20	5	1226	CWD	1	WL	3	129	ON	3RS ET	22.2146	113.8305	SPRING	NONE	P
9-Apr-20	6	1246	CWD	14	WL	3	148	ON	3RS ET	22.2056	113.8254	SPRING	PAIR TRAWLER	P
15-Apr-20	1	1047	CWD	1	WL	2	240	ON	3RS ET	22.2505	113.8392	SPRING	NONE	P
16-Apr-20	1	1023	FP	1	SWL	2	43	ON	3RS ET	22.2087	113.9356	SPRING	NONE	P
16-Apr-20	2	1032	FP	2	SWL	2	187	ON	3RS ET	22.1955	113.9360	SPRING	NONE	P
16-Apr-20	3	1036	FP	1	SWL	2	341	ON	3RS ET	22.1888	113.9363	SPRING	NONE	P
16-Apr-20	4	1038	FP	2	SWL	2	22	ON	3RS ET	22.1864	113.9363	SPRING	NONE	P
16-Apr-20	5	1042	FP	2	SWL	2	199	ON	3RS ET	22.1832	113.9363	SPRING	NONE	P
16-Apr-20	6	1054	FP	3	SWL	2	257	ON	3RS ET	22.1604	113.9361	SPRING	NONE	P
16-Apr-20	7	1112	FP	3	SWL	2	4	ON	3RS ET	22.1582	113.9274	SPRING	NONE	P
16-Apr-20	8	1116	FP	5	SWL	2	1108	ON	3RS ET	22.1626	113.9276	SPRING	NONE	P
16-Apr-20	9	1121	FP	2	SWL	2	46	ON	3RS ET	22.1687	113.9278	SPRING	NONE	P
16-Apr-20	10	1131	FP	2	SWL	2	444	ON	3RS ET	22.1871	113.9276	SPRING	NONE	P
16-Apr-20	11	1135	FP	1	SWL	2	6	ON	3RS ET	22.1909	113.9275	SPRING	NONE	P
16-Apr-20	12	1209	FP	4	SWL	2	99	ON	3RS ET	22.1597	113.9176	SPRING	NONE	P
16-Apr-20	13	1215	FP	1	SWL	2	46	ON	3RS ET	22.1494	113.9177	SPRING	NONE	P
16-Apr-20	14	1228	FP	2	SWL	2	146	ON	3RS ET	22.1460	113.9083	SPRING	NONE	P
16-Apr-20	15	1233	FP	1	SWL	2	70	ON	3RS ET	22.1511	113.9083	SPRING	NONE	P
16-Apr-20	16	1335	FP	3	SWL	2	18	ON	3RS ET	22.1562	113.8980	SPRING	NONE	P
16-Apr-20	17	1338	FP	4	SWL	2	251	ON	3RS ET	22.1523	113.8974	SPRING	NONE	P
17-Apr-20	1	1304	FP	3	SWL	2	70	ON	3RS ET	22.1701	113.8964	SPRING	NONE	P
17-Apr-20	2	1311	FP	1	SWL	2	747	ON	3RS ET	22.1594	113.8973	SPRING	NONE	P
17-Apr-20	3	1327	FP	1	SWL	3	68	ON	3RS ET	22.1608	113.8872	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 are presented for reference only. No relevant figure or text will be mentioned in this monthly EM&A report.

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

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

A total of 443.280 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 7 on-effort sightings and total number of 30 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in April 2020 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in April 2020

$$STG = \frac{7}{443.280} \times 100 = 1.58$$

Encounter Rate by Number of Dolphins (ANI) in April 2020

$$ANI = \frac{30}{443.280} \times 100 = 6.77$$

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

A total of 1270.974 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 30 on-effort sightings and total number of 97 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)

$$STG = \frac{30}{1270.974} \times 100 = 2.36$$

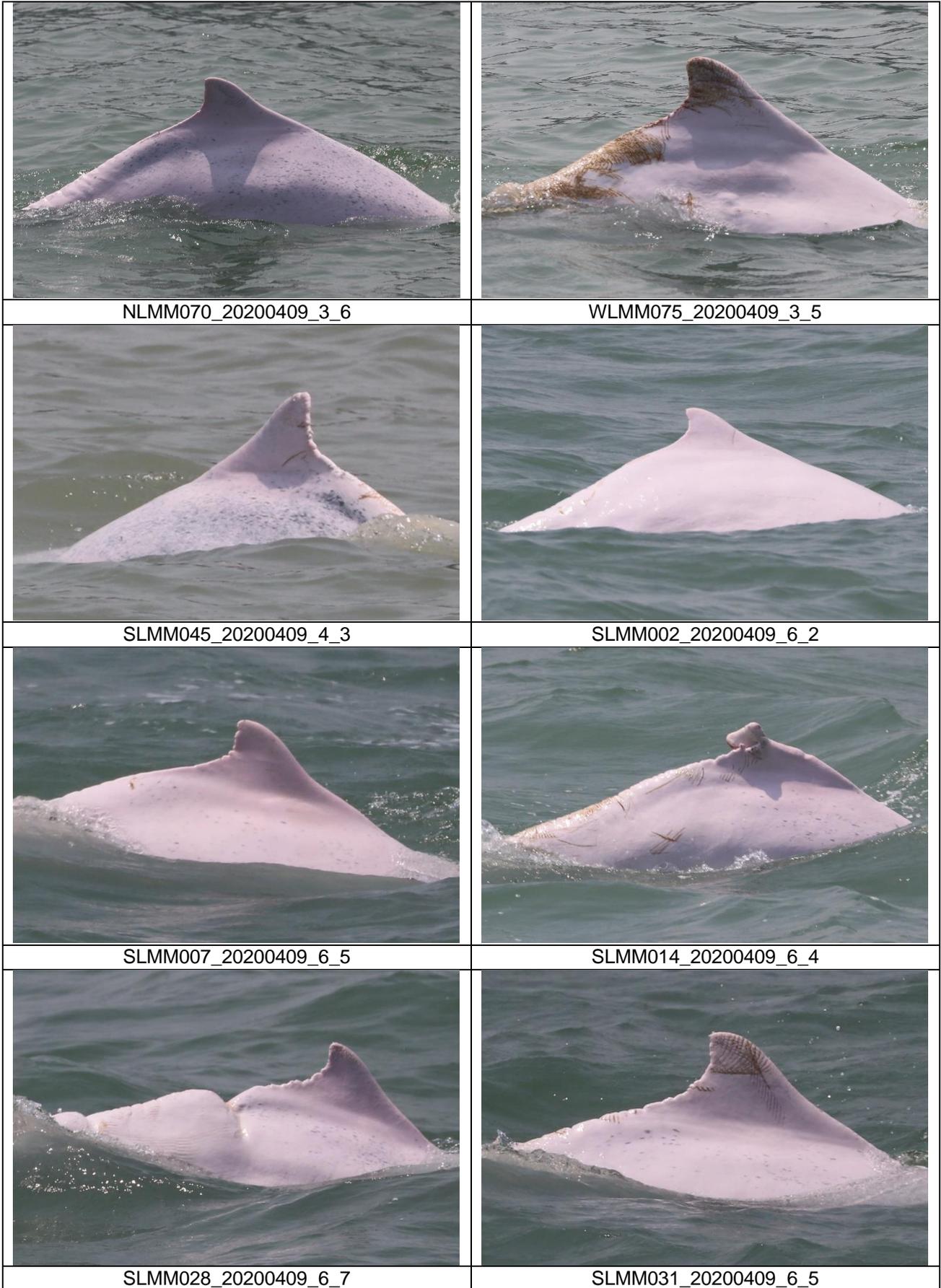
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

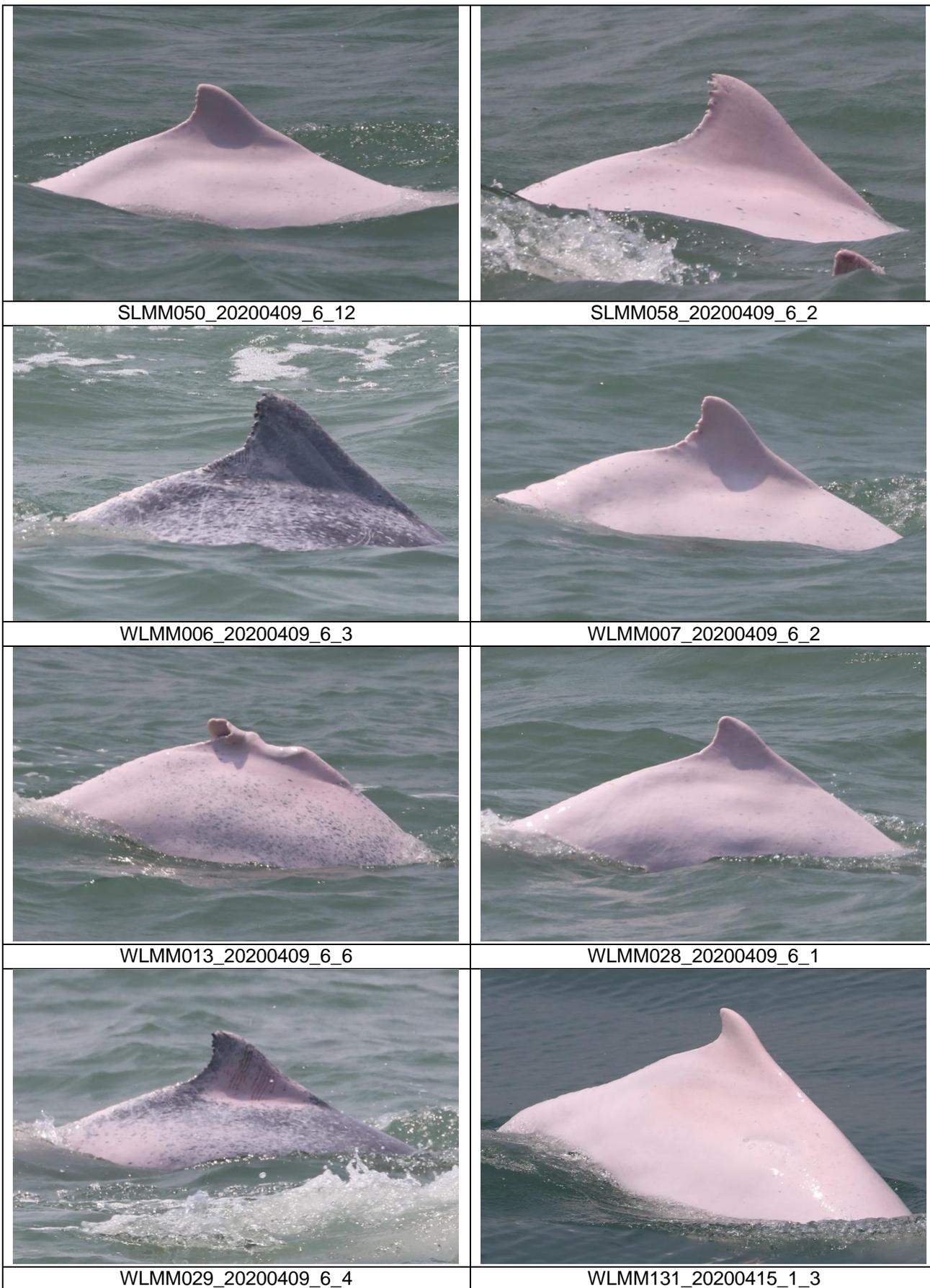
$$ANI = \frac{97}{1270.974} \times 100 = 7.63$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM057_20200409_1_11	SLMM037_20200409_1_3
	
WLMM056_20200409_1_13	WLMM060_20200409_1_2
	
WLMM075_20200409_1_4	WLMM114_20200409_1_4
	
WLMM114_20200409_2_4	NLMM057_20200409_3_5





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

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
9/Apr/20	Sha Chau	10:34	16:34	6:00	2	2	0	-
16/Apr/20	Lung Kwu Chau	9:09	15:09	6:00	2	2-3	4	1-4

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