

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

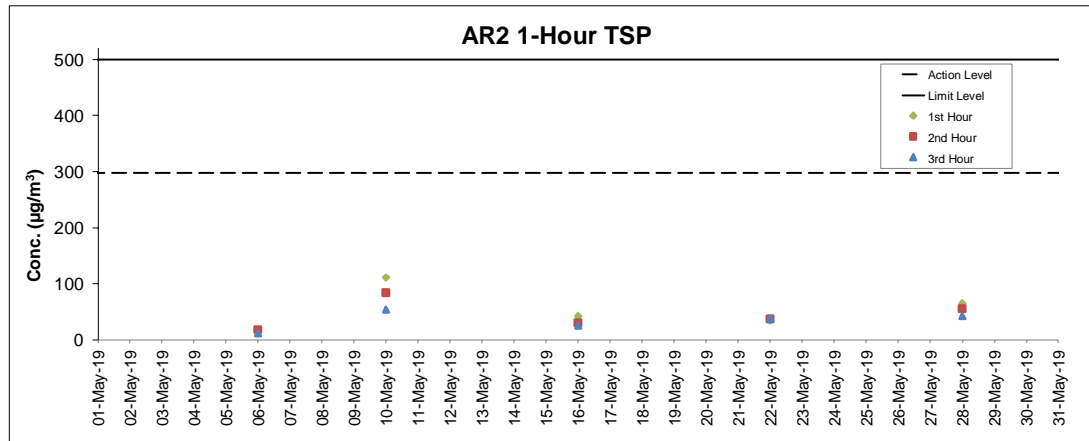
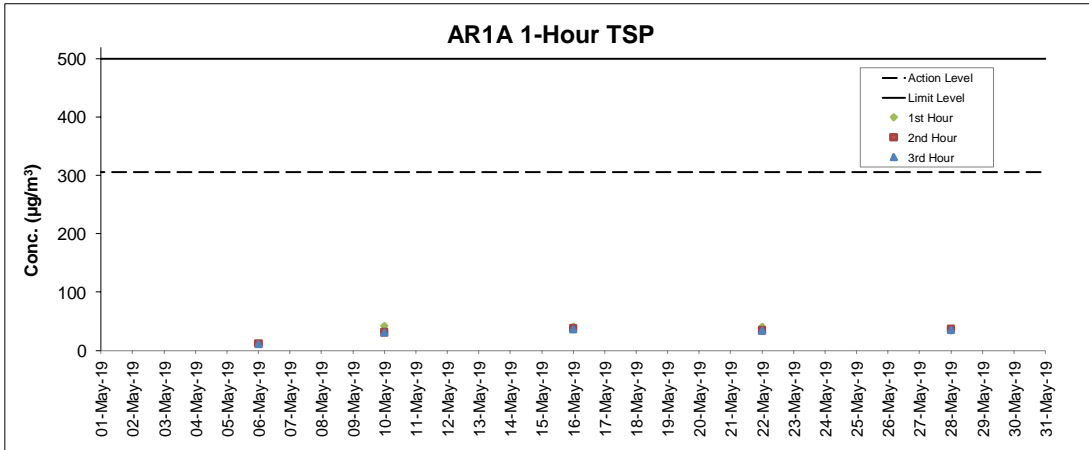
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
06-May-19	8:56	Cloudy	4.8	79	11	306	500
06-May-19	9:56	Cloudy	4.1	88	12	306	500
06-May-19	10:56	Cloudy	5.2	96	11	306	500
10-May-19	13:51	Overcast	2.0	35	42	306	500
10-May-19	14:51	Overcast	2.7	25	31	306	500
10-May-19	15:51	Overcast	4.4	89	31	306	500
16-May-19	9:12	Sunny	6.2	217	40	306	500
16-May-19	10:12	Sunny	7.4	225	38	306	500
16-May-19	11:12	Sunny	8.0	222	36	306	500
22-May-19	13:54	Sunny	4.2	197	40	306	500
22-May-19	14:54	Sunny	2.8	220	34	306	500
22-May-19	15:54	Sunny	3.0	281	34	306	500
28-May-19	9:30	Cloudy	5.2	234	34	306	500
28-May-19	10:30	Cloudy	1.7	59	37	306	500
28-May-19	11:30	Cloudy	2.4	65	35	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 ( $\mu\text{g}/\text{m}^3$ )
06-May-19	9:19	Cloudy	3.7	77	12	298	500
06-May-19	10:19	Cloudy	3.6	69	18	298	500
06-May-19	11:19	Cloudy	6.0	96	12	298	500
10-May-19	8:59	Overcast	2.4	325	111	298	500
10-May-19	9:59	Overcast	2.5	295	84	298	500
10-May-19	10:59	Overcast	2.7	265	54	298	500
16-May-19	8:05	Sunny	4.5	207	42	298	500
16-May-19	9:05	Sunny	6.3	219	30	298	500
16-May-19	10:05	Sunny	7.3	225	25	298	500
22-May-19	9:23	Cloudy	3.7	67	34	298	500
22-May-19	10:23	Cloudy	4.5	86	37	298	500
22-May-19	11:23	Cloudy	5.4	53	38	298	500
28-May-19	9:39	Rainy	3.8	254	65	298	500
28-May-19	10:39	Rainy	4.1	265	55	298	500
28-May-19	11:39	Rainy	2.9	250	42	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	Measured	L <sub>eq(30mins)</sub> dB(A)
			L <sub>10</sub> dB(A)	L <sub>50</sub> dB(A)	
06-May-19	Cloudy	10:12	71.0	56.4	71
06-May-19	Cloudy	10:17	73.0	56.3	
06-May-19	Cloudy	10:22	71.6	56.5	
06-May-19	Cloudy	10:27	70.9	51.6	
06-May-19	Cloudy	10:32	71.9	56.5	
06-May-19	Cloudy	10:37	73.2	56.5	
16-May-19	Sunny	10:37	73.3	58.9	71
16-May-19	Sunny	10:42	74.2	57.8	
16-May-19	Sunny	10:47	70.6	58.1	
16-May-19	Sunny	10:52	71.5	58.0	
16-May-19	Sunny	10:57	67.9	57.9	
16-May-19	Sunny	11:02	73.5	59.3	
21-May-19	Cloudy	15:10	70.6	55.8	71
21-May-19	Cloudy	15:15	71.7	54.3	
21-May-19	Cloudy	15:20	73.0	54.3	
21-May-19	Cloudy	15:25	70.9	53.9	
21-May-19	Cloudy	15:30	70.2	51.6	
21-May-19	Cloudy	15:35	72.2	52.9	
28-May-19	Cloudy	14:43	72.6	61.2	72
28-May-19	Cloudy	14:48	72.6	61.4	
28-May-19	Cloudy	14:53	72.5	60.4	
28-May-19	Cloudy	14:58	72.6	61.8	
28-May-19	Cloudy	15:03	71.8	60.1	
28-May-19	Cloudy	15:08	71.7	60.8	

Remarks:

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

### Noise Measurement Results

#### Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured	Measured	L <sub>eq(30mins)</sub> dB(A)
			L <sub>10</sub> dB(A)	L <sub>50</sub> dB(A)	
06-May-19	Cloudy	15:52	65.0	59.6	65
06-May-19	Cloudy	15:57	63.3	59.5	
06-May-19	Cloudy	16:02	64.4	59.7	
06-May-19	Cloudy	16:07	63.6	59.8	
06-May-19	Cloudy	16:12	63.1	59.9	
06-May-19	Cloudy	16:17	64.0	59.8	
16-May-19	Sunny	13:13	70.3	65.4	64
16-May-19	Sunny	13:18	70.9	61.3	
16-May-19	Sunny	13:23	64.3	58.8	
16-May-19	Sunny	13:28	60.7	58.1	
16-May-19	Sunny	13:33	66.0	59.1	
16-May-19	Sunny	13:38	63.3	58.7	
21-May-19	Cloudy	14:03	65.4	59.5	66
21-May-19	Cloudy	14:08	67.7	60.6	
21-May-19	Cloudy	14:13	66.4	60.1	
21-May-19	Cloudy	14:18	65.4	59.5	
21-May-19	Cloudy	14:23	65.3	58.9	
21-May-19	Cloudy	14:28	61.5	58.2	
28-May-19	Cloudy	15:48	65.5	61.9	65
28-May-19	Cloudy	15:53	63.6	60.1	
28-May-19	Cloudy	15:58	63.8	60.2	
28-May-19	Cloudy	16:03	64.2	59.7	
28-May-19	Cloudy	16:08	62.2	59.3	
28-May-19	Cloudy	16:13	62.5	58.8	

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>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
06-May-19	Cloudy	09:28	58.3	49.5	61
06-May-19	Cloudy	09:33	59.7	49.8	
06-May-19	Cloudy	09:38	54.2	48.5	
06-May-19	Cloudy	09:43	53.8	48.3	
06-May-19	Cloudy	09:48	64.3	48.8	
06-May-19	Cloudy	09:53	61.1	50.1	
16-May-19	Sunny	08:12	66.6	43.4	53
16-May-19	Sunny	08:17	55.6	44.1	
16-May-19	Sunny	08:22	52.0	43.0	
16-May-19	Sunny	08:27	50.4	43.2	
16-May-19	Sunny	08:32	50.2	50.2	
16-May-19	Sunny	08:37	53.2	44.3	
21-May-19	Cloudy	11:48	54.4	48.5	57
21-May-19	Cloudy	11:53	54.1	46.4	
21-May-19	Cloudy	11:58	54.2	46.3	
21-May-19	Cloudy	12:03	54.7	45.6	
21-May-19	Cloudy	12:08	55.1	45.8	
21-May-19	Cloudy	12:13	59.3	46.8	
28-May-19	Drizzle	11:43	64.0	61.5	64
28-May-19	Drizzle	11:48	63.5	60.2	
28-May-19	Drizzle	11:53	64.6	59.5	
28-May-19	Drizzle	11:58	63.0	59.6	
28-May-19	Drizzle	12:03	62.9	57.4	
28-May-19	Drizzle	12:08	59.0	54.9	

Remarks:

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

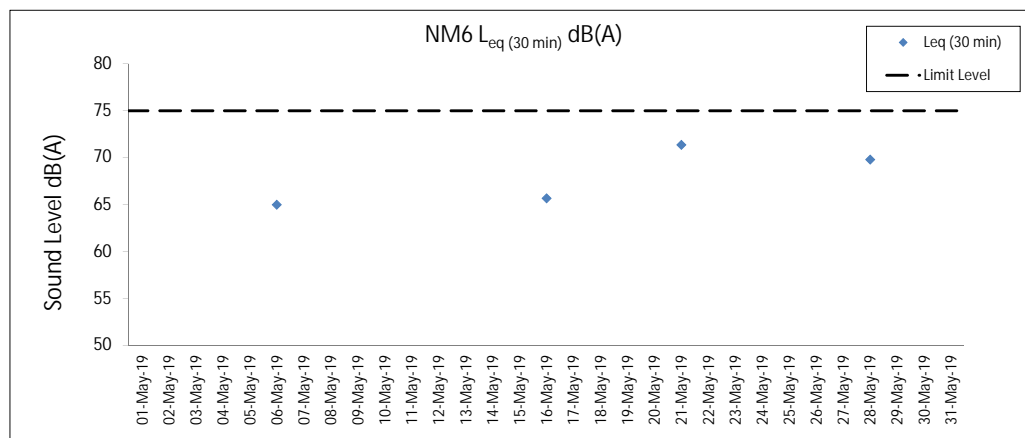
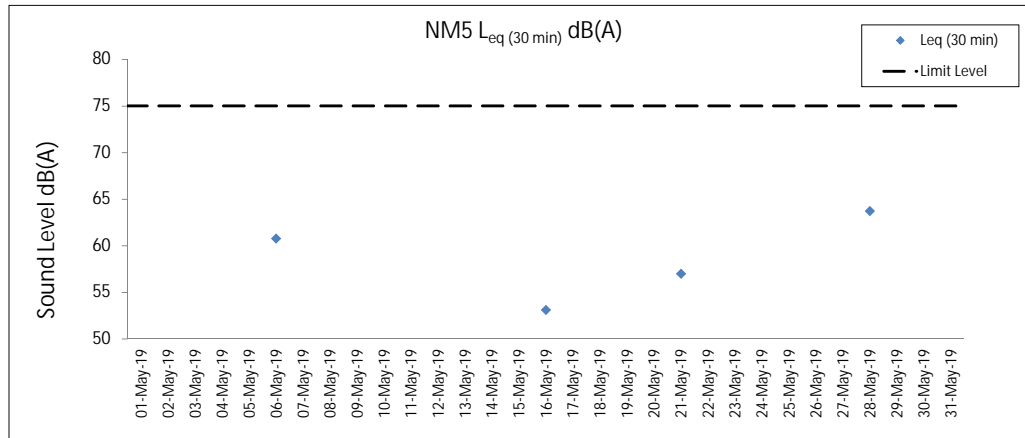
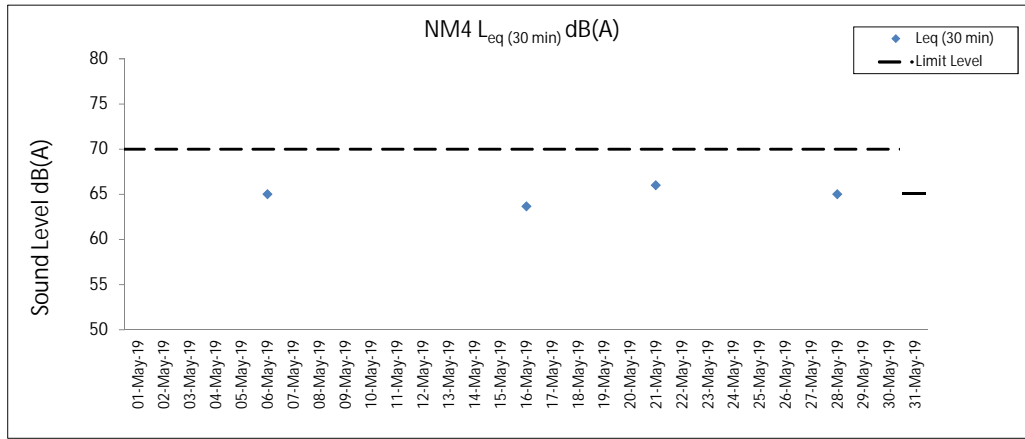
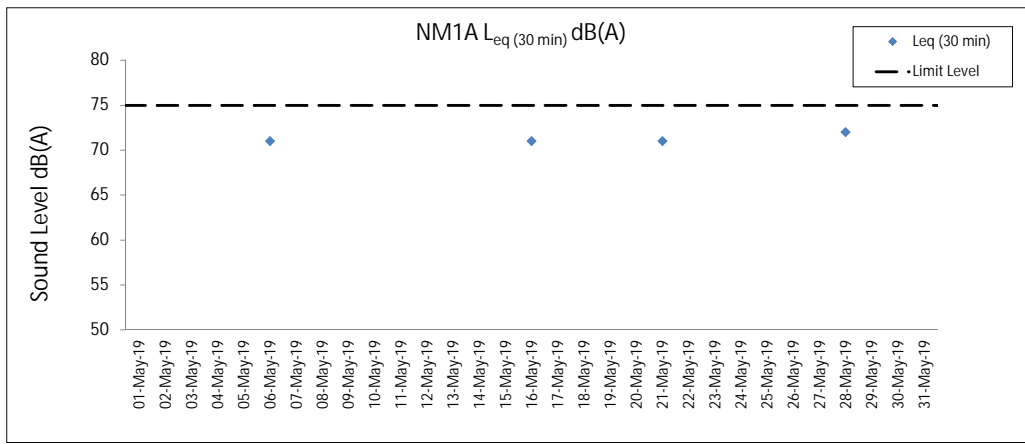
### Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
06-May-19	Cloudy	13:31	64.8	46.6	65
06-May-19	Cloudy	13:36	65.1	47.6	
06-May-19	Cloudy	13:41	66.1	47.6	
06-May-19	Cloudy	13:46	67.0	48.3	
06-May-19	Cloudy	13:51	65.8	47.5	
06-May-19	Cloudy	13:56	60.9	46.1	
16-May-19	Sunny	15:43	67.6	57.5	66
16-May-19	Sunny	15:48	73.3	52.2	
16-May-19	Sunny	15:53	66.1	49.1	
16-May-19	Sunny	15:58	75.4	51.8	
16-May-19	Sunny	16:03	70.8	49.9	
16-May-19	Sunny	16:08	68.8	53.4	
21-May-19	Cloudy	10:27	72.8	54.0	71
21-May-19	Cloudy	10:32	74.6	60.1	
21-May-19	Cloudy	10:37	74.7	66.7	
21-May-19	Cloudy	10:42	73.1	66.0	
21-May-19	Cloudy	10:47	73.0	56.6	
21-May-19	Cloudy	10:52	66.7	52.6	
28-May-19	Cloudy	13:47	76.3	57.5	70
28-May-19	Cloudy	13:52	71.5	56.4	
28-May-19	Cloudy	13:57	72.0	53.8	
28-May-19	Cloudy	14:02	67.7	54.3	
28-May-19	Cloudy	14:07	66.7	50.5	
28-May-19	Cloudy	14:12	72.5	52.7	

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 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
								C1	Cloudy	Moderate	11:35	8.4	Surface	1.0	0.3	226	24.7	24.7	8.4	8.4	21.9	21.9	91.1			91.0	6.7	6.6	12.1	7.7	4
					Surface	1.0	0.3	245	24.7	24.8	8.4	8.4	21.9	21.9	90.8	89.8	6.7	6.7	12.1	7.7	4	5	84	87	815634	804254	<0.2	1.0	<0.2	1.0	
					Middle	4.2	0.3	212	24.8	24.8	8.4	8.4	25.4	25.4	89.7	89.8	6.4	6.4	6.2	7.7	4	5	87	88	815634	804254	<0.2	1.1	<0.2	1.1	
					Middle	4.2	0.3	231	24.8	24.8	8.4	8.4	25.4	25.4	89.8	89.8	6.5	6.5	6.3	7.7	4	5	88	89	815634	804254	<0.2	1.1	<0.2	1.1	
					Bottom	7.4	0.3	224	24.5	24.5	8.4	8.4	25.3	25.3	92.0	92.0	6.7	6.7	4.8	7.7	7	6	88	89	815634	804254	<0.2	2.0	<0.2	1.9	
					Bottom	7.4	0.3	242	24.4	24.4	8.4	8.4	25.3	25.3	92.0	92.0	6.7	6.7	4.5	7.7	6	5	89	90	815634	804254	<0.2	1.9	<0.2	1.8	
C2	Cloudy	Moderate	12:59	11.2	Surface	1.0	0.3	166	24.7	24.7	8.0	8.0	19.7	19.7	94.7	94.8	7.0	7.0	2.9	3.4	5	5	79	82	825676	806948	<0.2	1.7	<0.2	1.7	
					Surface	1.0	0.3	174	24.7	24.8	8.0	8.0	19.7	19.7	94.8	94.8	7.0	7.0	2.8	3.4	4	5	80	82	825676	806948	<0.2	1.7	<0.2	1.7	
					Middle	5.6	0.3	139	24.8	24.8	8.0	8.0	20.4	20.4	93.1	93.1	6.9	6.9	3.6	3.4	4	5	82	83	825676	806948	<0.2	1.9	<0.2	1.9	
					Middle	5.6	0.4	141	24.8	24.8	8.0	8.0	20.4	20.4	93.1	93.1	6.9	6.9	3.6	3.4	5	5	82	83	825676	806948	<0.2	2.1	<0.2	2.1	
					Bottom	10.2	0.5	88	24.7	24.7	8.0	8.0	21.3	21.3	93.4	93.4	6.9	6.9	3.7	3.4	6	5	83	84	825676	806948	<0.2	2.0	<0.2	2.0	
					Bottom	10.2	0.5	89	24.7	24.7	8.0	8.0	21.3	21.3	93.4	93.4	6.9	6.9	3.7	3.4	6	5	84	85	825676	806948	<0.2	1.4	<0.2	1.4	
C3	Cloudy	Moderate	11:14	12.1	Surface	1.0	0.3	67	24.7	24.7	8.0	8.0	26.9	26.9	89.0	88.9	6.3	6.3	4.0	3.4	3	4	83	85	822124	817796	<0.2	1.0	<0.2	1.0	
					Surface	1.0	0.3	71	24.7	24.7	8.0	8.0	26.9	26.9	89.0	88.9	6.3	6.3	4.1	3.4	3	4	83	85	822124	817796	<0.2	1.0	<0.2	1.0	
					Middle	6.1	0.2	76	24.7	24.7	8.0	8.0	28.2	28.2	87.7	87.8	6.2	6.2	2.8	3.4	4	4	84	85	822124	817796	<0.2	0.9	<0.2	0.9	
					Middle	6.1	0.2	79	24.7	24.7	8.0	8.0	28.2	28.2	87.8	87.8	6.2	6.2	2.9	3.4	4	4	85	87	822124	817796	<0.2	1.1	<0.2	1.1	
					Bottom	11.1	0.2	75	24.6	24.6	8.0	8.0	28.7	28.7	88.4	88.5	6.3	6.3	3.1	3.4	5	4	87	88	822124	817796	<0.2	1.7	<0.2	1.7	
					Bottom	11.1	0.2	80	24.6	24.6	8.0	8.0	28.7	28.7	88.5	88.5	6.3	6.3	3.1	3.4	5	4	88	89	822124	817796	<0.2	1.7	<0.2	1.7	
IM1	Cloudy	Moderate	12:00	5.3	Surface	1.0	0.2	163	24.7	24.7	8.4	8.4	24.3	24.2	89.2	89.1	6.5	6.5	6.0	6.9	4	4	84	84	817958	807141	<0.2	1.2	<0.2	1.2	
					Surface	1.0	0.2	164	24.7	24.7	8.4	8.4	24.2	24.2	89.0	89.0	6.4	6.4	6.1	6.9	4	4	84	84	817958	807141	<0.2	1.3	<0.2	1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	4	4	84	84	817958	807141	<0.2	1.5	<0.2	1.5
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	4	4	84	84	817958	807141	<0.2	1.5	<0.2	1.5	
					Bottom	4.3	0.2	188	24.7	24.7	8.3	8.3	25.3	25.3	88.1	88.2	6.3	6.3	7.8	6.9	5	4	84	85	817958	807141	<0.2	1.7	<0.2	1.7	
					Bottom	4.3	0.2	200	24.7	24.7	8.3	8.3	25.3	25.3	88.2	88.2	6.3	6.3	7.7	6.9	4	4	85	86	817958	807141	<0.2	1.8	<0.2	1.8	
IM2	Cloudy	Moderate	12:08	7.6	Surface	1.0	0.2	156	24.7	24.7	8.4	8.4	22.8	22.8	92.0	92.0	6.7	6.7	8.4	8.3	5	7	84	88	818172	806161	<0.2	1.4	<0.2	1.4	
					Surface	1.0	0.2	167	24.7	24.7	8.4	8.4	22.8	22.8	92.0	92.0	6.7	6.7	8.3	8.3	5	7	88	88	818172	806161	<0.2	1.7	<0.2	1.7	
					Middle	3.8	0.2	156	24.4	24.4	8.3	8.3	23.9	23.9	93.3	93.4	6.8	6.8	12.0	8.3	6	7	88	89	818172	806161	<0.2	1.2	<0.2	1.2	
					Middle	3.8	0.2	157	24.4	24.4	8.3	8.3	24.0	24.0	93.5	93.5	6.8	6.8	12.0	8.3	7	7	89	89	818172	806161	<0.2	1.6	<0.2	1.6	
					Bottom	6.6	0.2	150	24.7	24.7	8.4	8.4	24.4	24.4	91.4	91.5	6.6	6.6	4.6	6.6	8	7	87	88	818172	806161	<0.2	1.7	<0.2	1.7	
					Bottom	6.6	0.2	155	24.7	24.7	8.4	8.4	24.4	24.4	91.5	91.5	6.6	6.6	4.8	6.6	8	7	88	88	818172	806161	<0.2	2.3	<0.2	2.3	
IM3	Cloudy	Moderate	12:16	7.8	Surface	1.0	0.3	223	24.5	24.5	8.4	8.4	23.2	23.2	92.2	92.2	6.7	6.7	3.4	4.2	6	8	84	85	818774	805615	<0.2	1.5	<0.2	1.5	
					Surface	1.0	0.3	226	24.5	24.5	8.4	8.4	23.2	23.2	92.2	92.2	6.7	6.7	3.5	4.2	4	8	85	86	818774	805615	<0.2	1.3	<0.2	1.3	
					Middle	3.9	0.2	188	24.7	24.7	8.4	8.4	24.4	24.4	92.2	92.2	6.7	6.7	4.4	4.2	6	8	88	89	818774	805615	<0.2	1.7	<0.2	1.7	
					Middle	3.9	0.3	191	24.7	24.7	8.4	8.4	24.4	24.4	92.2	92.2	6.7	6.7	4.4	4.2	7	8	89	89	818774	805615	<0.2	1.4	<0.2	1.4	
					Bottom	6.8	0.2	166	24.5	24.5	8.4	8.4	24.6	24.6	93.0	93.2	6.7	6.7	4.6	6.8	14	8	87	88	818774	805615	<0.2	1.3	<0.2	1.3	
					Bottom	6.8	0.2	172	24.5	24.5	8.4	8.4	24.6	24.6	93.3	93.2	6.7	6.7	4.6	6.8	13	8	88	88	818774	805615	<0.2	1.4	<0.2	1.4	
IM4	Cloudy	Moderate	12:28	7.4	Surface	1.0	0.4	214	24.7	24.7	8.4	8.4	23.6	23.6	92.0	92.1	6.7	6.7	3.7	3.5	6	6	84	84	819724	804598	<0.2	1.3	<0.2	1.3	
					Surface	1.0	0.5	227	24.7	24.7	8.4	8.4	23.6	23.6	92.0	92.1	6.7	6.7	3.7	3.5	6	6	84	84	819724	804598	<0.2	1.0	<0.2	1.0	
					Middle	3.7	0.4	196	24.5	24.5	8.4	8.4	23.7	23.7	92.9	93.0	6.8	6.8	3.4	3.5	6	6	88	89	819724	804598	<0.2	1.8	<0.2	1.8	
					Middle	3.7	0.4	214	24.5	24.5	8.4	8.4	23.7	23.7	93.0	93.0	6.8	6.8	3.4	3.5	7	6	89	89	819724	804598	<0.2	1.6	<0.2	1.6	
					Bottom	6.4	0.4	205	24.3	24.4	8.4	8.4	23.5	23.5	94.1	94.4	6.9	6.9	3.4	6.9	4	6	87	88	819724	804598	<0.2	0.6	<0.2	0.6	
					Bottom	6.4	0.4	221	24.4	24.4	8.4	8.4	23.5	23.5	94.6	94.6	6.9	6.9	3.2	6.9	5	6	88	88	819724	804598	<0.2	1.0	<0.2	1.0	
IM5	Cloudy	Moderate	12:38	7.7	Surface	1.0	0.3	265	24.5	24.5	8.4	8.4	20.4	20.4	93.2	93.2	6.9	6.9	3.8	3.8	4										

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

Water Quality Monitoring Results on 02 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	12:31	7.7	Surface	1.0	0.5	105	24.9	24.9	8.0	8.0	17.2	17.2	94.1	94.0	7.1	7.1	6.3	5	79	82	82	822109	808833	<0.2	1.8	<0.2	1.8							
						1.0	0.5	110	24.9	8.0	8.0	17.2	17.2	93.9	93.0	7.1	7.1	6.1	5	80	82	82	82	82	82	82	82	<0.2	1.7	<0.2	1.9					
						3.9	0.4	102	24.9	8.0	8.0	19.8	19.8	92.9	93.0	6.9	6.9	4.0	6	82	82	82	82	82	82	82	82	<0.2	1.7	<0.2	1.9					
					Middle	3.9	0.4	111	24.9	8.0	8.0	19.8	19.8	93.0	93.0	6.9	6.9	4.0	5	82	82	82	82	82	82	82	82	82	82	<0.2	1.7	<0.2	1.9			
						6.7	0.4	67	24.8	8.0	8.0	19.2	19.2	93.8	93.9	7.0	7.0	3.9	7	83	83	83	83	83	83	83	83	<0.2	2.2	<0.2	1.8					
						6.7	0.4	68	24.8	8.0	8.0	19.2	19.2	93.9	93.9	7.0	7.0	3.9	8	84	84	84	84	84	84	84	84	<0.2	1.8	<0.2	1.8					
					IM10	Cloudy	Moderate	12:23	7.9	Surface	1.0	0.6	96	25.0	25.0	8.0	8.0	17.5	17.5	93.1	93.0	7.0	7.0	5.3	6	80	81	81	822378	809812	<0.2	1.8	<0.2	2.0		
											1.0	0.7	104	25.0	8.0	8.0	17.5	17.5	92.9	91.6	6.8	6.8	5.3	5	81	82	82	82	82	82	82	82	<0.2	1.8	<0.2	1.9
											4.0	0.6	119	25.0	8.0	8.0	19.2	19.2	91.6	91.6	6.8	6.8	4.5	6	82	82	82	82	82	82	82	82	<0.2	1.8	<0.2	1.8
Middle	4.0	0.6	123	25.0						8.0	8.0	19.2	19.2	91.5	91.6	6.8	6.8	4.9	5	83	83	83	83	83	83	83	83	83	83	<0.2	1.8	<0.2	1.8			
	6.9	0.5	82	25.0						8.0	8.0	20.3	20.3	91.2	91.3	6.7	6.7	4.4	5	84	84	84	84	84	84	84	84	<0.2	2.0	<0.2	2.0					
	6.9	0.5	83	25.0						8.0	8.0	20.3	20.3	91.4	91.3	6.7	6.7	4.4	6	85	85	85	85	85	85	85	85	<0.2	1.8	<0.2	1.8					
IM11	Cloudy	Moderate	12:12	8.4						Surface	1.0	0.6	105	24.9	24.9	8.0	8.0	20.4	20.4	92.5	92.5	6.8	6.8	4.8	6	81	81	81	822077	811474	<0.2	1.7	<0.2	1.4		
											1.0	0.6	107	24.9	8.0	8.0	20.4	20.4	92.5	91.4	6.8	6.8	4.8	5	81	83	83	83	83	83	83	83	<0.2	1.7	<0.2	1.7
											4.2	0.7	116	24.9	8.0	8.0	20.7	20.7	91.4	91.4	6.7	6.7	3.3	5	83	83	83	83	83	83	83	83	<0.2	1.7	<0.2	1.7
					Middle	4.2	0.7	117	24.9	8.0	8.0	20.7	20.7	91.4	91.4	6.7	6.7	3.3	5	83	83	83	83	83	83	83	83	83	83	<0.2	1.7	<0.2	1.7			
						7.4	0.6	94	24.8	8.0	8.0	22.6	22.6	89.6	89.7	6.5	6.5	3.9	6	86	86	86	86	86	86	86	86	<0.2	2.5	<0.2	2.1					
						7.4	0.6	97	24.8	8.0	8.0	22.6	22.6	89.7	89.7	6.5	6.5	3.9	6	85	85	85	85	85	85	85	85	<0.2	2.1	<0.2	2.1					
					IM12	Cloudy	Moderate	12:05	8.2	Surface	1.0	0.7	111	24.8	24.8	8.0	8.0	21.5	21.5	90.6	90.6	6.7	6.7	6.1	3	81	82	82	821435	812059	<0.2	1.0	<0.2	1.0		
											1.0	0.7	116	24.8	8.0	8.0	21.5	21.5	90.6	87.7	6.7	6.7	6.1	3	82	84	84	84	84	84	84	84	<0.2	1.0	<0.2	1.0
											4.1	0.5	100	24.8	8.0	8.0	23.0	23.0	87.7	87.7	6.4	6.4	5.8	4	84	83	83	83	83	83	83	83	<0.2	1.7	<0.2	1.7
Middle	4.1	0.6	105	24.8						8.0	8.0	23.0	23.0	87.6	87.6	6.4	6.4	5.8	5	83	85	85	85	85	85	85	85	<0.2	1.0	<0.2	1.0					
	7.2	0.4	101	24.8						8.0	8.0	25.2	25.2	85.2	85.4	6.1	6.1	6.4	7	85	86	86	86	86	86	86	86	<0.2	1.7	<0.2	1.9					
	7.2	0.4	107	24.8						8.0	8.0	25.2	25.2	85.5	85.4	6.2	6.2	6.4	7	86	86	86	86	86	86	86	86	<0.2	1.9	<0.2	1.9					
SR1A	Cloudy	Moderate	11:47	5.1						Surface	1.0	-	-	25.1	25.1	8.1	8.0	18.1	18.1	92.6	92.5	6.9	6.9	4.1	4	-	-	-	819971	812654	-	-	-	-		
											1.0	-	-	25.1	25.1	8.0	8.0	18.1	18.1	92.4	92.5	6.9	6.9	4.2	4	-	-	-	-	-	-	-	-	-	-	
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.1	-	-	24.9	24.9	8.0	8.0	23.5	23.5	86.6	86.7	6.3	6.3	6.1	7	-	-	-	-	-	-	-	-	-	-	-					
						4.1	-	-	24.9	24.9	8.0	8.0	23.5	23.5	86.8	86.7	6.3	6.3	6.1	8	-	-	-	-	-	-	-	-	-	-	-					
					SR2	Cloudy	Moderate	11:34	4.6	Surface	1.0	0.5	99	25.0	25.0	8.1	8.1	18.9	18.9	92.6	92.6	6.9	6.9	3.5	4	82	82	82	821482	814147	<0.2	1.7	<0.2	1.4		
											1.0	0.6	100	25.0	8.1	8.1	18.9	18.9	92.5	92.6	6.9	6.9	3.5	4	82	82	82	82	82	82	82	82	<0.2	1.4	<0.2	1.4
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.6	0.4	87	24.9						8.0	8.0	22.6	22.6	90.0	90.1	6.6	6.6	3.8	6	84	84	84	84	84	84	84	84	<0.2	1.5	<0.2	1.5					
	3.6	0.4	91	24.9						8.0	8.0	22.6	22.6	90.1	90.1	6.6	6.6	3.8	5	85	85	85	85	85	85	85	85	<0.2	1.6	<0.2	1.6					
SR3	Cloudy	Moderate	12:42	8.4						Surface	1.0	0.2	157	24.9	24.9	8.0	8.0	17.7	17.7	93.7	93.6	7.0	7.0	3.3	4	-	-	-	822161	807575	-	-	-	-		
											1.0	0.2	158	24.9	8.0	8.0	17.7	17.7	93.5	90.9	7.0	6.9	3.3	3	-	-	-	-	-	-	-	-	-	-		
											4.2	0.2	168	25.0	8.0	8.0	19.8	19.8	90.9	90.9	6.7	6.7	4.5	4	-	-	-	-	-	-	-	-	-	-		
					Middle	4.2	0.2	173	25.0	8.0	8.0	19.8	19.8	90.8	90.9	6.7	6.7	4.6	4	-	-	-	-	-	-	-	-	-	-	-						
						7.4	0.1	111	25.0	8.0	8.0	21.3	21.3	90.9	91.0	6.7	6.7	4.7	6	-	-	-	-	-	-	-	-	-	-							
						7.4	0.1	112	25.0	8.0	8.0	21.3	21.3	91.1	91.0	6.7	6.7	4.7	6	-	-	-	-	-	-	-	-	-	-							
					SR4A	Cloudy	Moderate	11:18	8.6	Surface	1.0	0.2	110	24.8	24.8	8.4	8.4	22.6	22.6	89.9	89.9	6.6	6.6	11.0	4	-	-	-	817167	807808	-	-	-	-		
											1.0	0.2	113	24.8	8.4	8.4	22.6	22.6	89.9	91.1	6.6	6.6	11.1	4	-	-	-	-	-	-	-	-	-			
											4.3	0.2	81	24.8	8.4	8.4	23.5	23.5	91.5	91.3	6.6	6.6	10.6	4	-	-	-	-	-	-	-	-				
Middle	4.3	0.2	84	24.8						8.4	8.4	23.5	23.5	91.5	91.3	6.6	6.6	10.6	5	-	-	-	-	-	-	-	-	-								
	7.6	0.1	67	24.7						8.4	8.4	24.3	24.3	89.6	89.7	6.5	6.5	6.3	4	-	-	-	-	-	-	-	-									
	7.6	0.1	73	24.7						8.4	8.4	24.3	24.3	89.7	89.7	6.5	6.5	6.4	4	-	-	-	-	-	-	-	-									
SR5A	Cloudy	Calm	11:01	4.6						Surface	1.0	0.1	351	25.2	25.2	8.4	8.4	17.9	17.9	95.0	95.0	7.1	7.1	3.9	6	-	-	-	816615	810687	-	-	-	-		
											1.0	0.1	323	25.2	8.4	8.4	17.9	17.9	95.0	95.0	7.1	7.1	3.9	6	-	-	-	-								

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

Water Quality Monitoring Results on 02 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	17:21	8.4	Surface	1.0	0.2	104	24.7	24.7	8.4	8.4	23.7	23.7	93.6	93.7	6.8	6.8	3.2	3.2	6	6	84	84	87	815635	804244	<0.2	1.5	<0.2	1.5					
						1.0	0.2	105	24.7	8.4	8.4	23.7	23.7	93.7	93.7	6.8	6.8	3.2	3.2	6	6	84	84	<0.2				2.0	<0.2	2.0						
					Middle	4.2	0.1	93	24.6	24.6	8.4	8.4	23.7	23.7	94.8	94.9	6.9	6.9	3.1	3.1	7	7	88	88				<0.2	1.6	<0.2	1.6					
						4.2	0.1	96	24.6	24.6	8.4	8.4	23.7	23.7	94.9	94.9	6.9	6.9	3.0	3.0	6	6	88	88				<0.2	1.6	<0.2	1.6					
					Bottom	7.4	0.1	64	24.9	24.9	8.4	8.4	26.8	26.8	91.1	91.1	6.5	6.5	4.6	4.6	7	7	87	87				<0.2	1.0	<0.2	1.0					
						7.4	0.1	62	24.9	24.9	8.4	8.4	26.8	26.8	91.1	91.1	6.5	6.5	4.6	4.6	7	7	88	88				<0.2	1.1	<0.2	1.1					
C2	Cloudy	Moderate	16:04	11.3	Surface	1.0	0.3	66	24.9	24.9	8.0	8.0	20.1	20.1	93.0	93.0	6.9	6.9	3.5	3.5	5	5	80	80	82	825684	806945	<0.2	1.5	<0.2	1.5					
						1.0	0.3	66	24.9	24.9	8.0	8.0	20.1	20.1	93.0	93.0	6.9	6.9	3.4	3.4	5	5	79	79				<0.2	2.3	<0.2	2.3					
					Middle	5.7	0.2	27	24.9	24.9	8.0	8.0	20.5	20.5	92.7	92.7	6.8	6.8	3.3	3.3	4	4	83	83				<0.2	1.6	<0.2	1.6					
						5.7	0.2	28	24.9	24.9	8.0	8.0	20.5	20.5	92.7	92.7	6.8	6.8	3.3	3.3	4	4	82	82				<0.2	2.2	<0.2	2.2					
					Bottom	10.3	0.4	85	24.9	24.9	8.1	8.1	21.0	21.0	92.9	93.0	6.8	6.8	3.8	3.8	5	5	84	84				<0.2	1.9	<0.2	1.9					
						10.3	0.4	93	24.9	24.9	8.1	8.1	21.0	21.0	93.0	93.0	6.8	6.8	3.8	3.8	4	4	84	84				<0.2	1.9	<0.2	1.9					
C3	Cloudy	Moderate	17:45	11.2	Surface	1.0	0.5	257	24.8	24.8	8.1	8.1	20.3	20.3	94.6	94.5	7.0	7.0	4.6	4.6	3	3	83	83	84	822125	817813	<0.2	1.5	<0.2	1.5					
						1.0	0.5	259	24.8	24.8	8.1	8.1	20.3	20.3	94.3	94.5	7.0	6.9	4.4	4.4	3	3	82	82				<0.2	1.8	<0.2	1.8					
					Middle	5.6	0.3	267	24.8	24.8	8.1	8.1	23.1	23.1	92.2	92.2	6.7	6.7	2.5	2.5	3	3	84	84				<0.2	2.2	<0.2	2.2					
						5.6	0.3	267	24.8	24.8	8.1	8.1	23.1	23.1	92.2	92.2	6.7	6.7	2.5	2.5	3	3	84	84				<0.2	2.1	<0.2	2.1					
					Bottom	10.2	0.1	246	24.8	24.8	8.1	8.1	25.0	25.0	92.4	92.5	6.6	6.7	2.2	2.2	4	4	86	86				<0.2	1.8	<0.2	1.8					
						10.2	0.1	247	24.8	24.8	8.1	8.1	25.0	25.0	92.5	92.5	6.6	6.7	2.2	2.2	3	3	86	86				<0.2	1.8	<0.2	1.8					
IM1	Cloudy	Moderate	16:53	5.6	Surface	1.0	0.2	65	24.5	24.5	8.4	8.4	22.9	22.9	93.0	93.1	6.8	6.8	4.4	4.4	7	7	85	85	86	817971	807125	<0.2	2.3	<0.2	2.3					
						1.0	0.2	67	24.5	24.5	8.4	8.4	22.9	22.9	93.1	93.1	6.8	6.8	4.2	4.2	7	7	85	85				<0.2	2.2	<0.2	2.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	4.6	0.1	80	24.6	24.6	8.4	8.4	23.8	23.8	94.9	95.0	6.9	6.9	6.4	6.4	5	5	87	87				<0.2	1.7	<0.2	1.7					
						4.6	0.1	86	24.6	24.6	8.4	8.4	23.8	23.8	95.1	95.0	6.9	6.9	6.4	6.4	5	5	88	88				<0.2	1.6	<0.2	1.6					
IM2	Cloudy	Moderate	16:46	7.8	Surface	1.0	0.1	47	24.9	24.9	8.4	8.4	29.2	29.2	89.9	89.9	6.3	6.3	9.4	9.4	6	6	84	84	88	818149	806186	<0.2	1.9	<0.2	1.9					
						1.0	0.1	45	24.9	24.9	8.4	8.4	29.2	29.2	89.8	89.8	6.3	6.3	9.4	9.4	5	5	88	88				<0.2	1.8	<0.2	1.8					
					Middle	3.9	0.1	61	24.9	24.9	8.4	8.4	29.2	29.2	91.0	91.1	6.4	6.4	8.8	8.8	5	5	89	89				<0.2	1.8	<0.2	1.8					
						3.9	0.1	66	24.9	24.9	8.4	8.4	29.2	29.2	91.1	91.1	6.4	6.4	8.8	8.8	4	4	90	90				<0.2	1.9	<0.2	1.9					
					Bottom	6.8	0.1	135	24.8	24.8	8.4	8.4	28.4	28.5	90.5	90.5	6.4	6.4	7.9	7.9	5	5	87	87				<0.2	2.1	<0.2	2.1					
						6.8	0.1	145	24.8	24.8	8.4	8.4	28.5	28.5	90.5	90.5	6.4	6.4	7.8	7.8	4	4	88	88				<0.2	1.8	<0.2	1.8					
IM3	Cloudy	Moderate	16:39	7.6	Surface	1.0	0.1	43	24.8	24.8	8.4	8.4	22.8	22.8	92.0	92.0	6.7	6.7	9.6	9.6	4	4	84	84	87	818772	805577	<0.2	1.8	<0.2	1.8					
						1.0	0.1	43	24.8	24.8	8.4	8.4	22.8	22.8	92.0	92.0	6.7	6.7	9.5	9.5	4	4	84	84				<0.2	2.0	<0.2	2.0					
					Middle	3.8	0.1	71	25.0	25.0	8.4	8.4	28.9	28.9	91.4	91.5	6.4	6.4	11.9	11.9	5	5	88	88				<0.2	2.0	<0.2	2.0					
						3.8	0.1	73	24.9	24.9	8.4	8.4	28.9	28.9	91.5	91.5	6.4	6.4	11.8	11.8	5	5	89	89				<0.2	1.9	<0.2	1.9					
					Bottom	6.6	0.1	61	24.8	24.8	8.4	8.4	28.8	28.8	90.8	90.9	6.4	6.4	10.3	10.3	5	5	87	87				<0.2	2.0	<0.2	2.0					
						6.6	0.1	65	24.8	24.8	8.4	8.4	28.8	28.8	91.0	90.9	6.4	6.4	10.3	10.3	6	6	88	88				<0.2	1.9	<0.2	1.9					
IM4	Cloudy	Moderate	16:30	7.4	Surface	1.0	0.1	48	24.7	24.7	8.4	8.4	20.3	20.3	91.5	91.5	6.7	6.7	4.9	4.9	3	3	84	84	87	819742	804585	<0.2	2.0	<0.2	2.0					
						1.0	0.1	46	24.7	24.7	8.4	8.4	20.3	20.3	91.5	91.5	6.7	6.7	4.9	4.9	3	3	85	85				<0.2	1.6	<0.2	1.6					
					Middle	3.7	0.2	98	24.8	24.8	8.4	8.4	22.9	22.9	91.7	91.7	6.7	6.7	6.5	6.5	3	3	88	88				<0.2	1.6	<0.2	1.6					
						3.7	0.2	99	24.8	24.8	8.4	8.4	22.9	22.9	91.6	91.6	6.7	6.7	6.6	6.6	4	4	89	89				<0.2	1.8	<0.2	1.8					
					Bottom	6.4	0.1	90	24.7	24.7	8.4	8.4	25.5	25.5	90.8	90.8	6.5	6.5	8.7	8.7	4	4	87	87				<0.2	1.3	<0.2	1.3					
						6.4	0.1	96	24.7	24.7	8.4	8.4	25.5	25.5	90.8	90.8	6.5	6.5	8.7	8.7	4	4	88	88				<0.2	1.4	<0.2	1.4					
IM5	Cloudy	Moderate	16:22	7.8	Surface	1.0	0.4	25	24.7	24.7	8.3	8.3	25.5	25.5	91.8	91.9	6.6	6.6	8.6	8.6	4	4	84	84	87	820719	804854	<0.2	2.0	<0.2	2.0					
						1.0	0.4	25	24.7	24.7	8.3	8.3	25.5	25.5	92.0	91.9	6.6	6.6	8.6	8.6	4	4	84	84				<0.2	2.2	<0.2	2.2					
					Middle	3.9	0.1	86	24.7	24.7	8.4	8.4	18.7	18.7	93.0	93.0	6.9	6.9	3.7	3.7	4	4	89	89				<0.2	2.3	<0.2	2.3					
						3.9	0.1	86	24.7	24.7	8.4	8.4	18.7	18.7	92.9	93.0	6.9	6.9	3.7	3.7	4	4	89	89				<0.2	2.2	<0.2	2.2					
					Bottom	6.8	0.2	101	24.7	24.7	8.4	8.4	18.8	18.8	92.5	92.5	6.9	6.9	3.5	3.5	6	6	87	87				<0.2	2.3	<0.2	2.3					
						6.8	0.2	106	24.7	24.7	8.4	8.4	18.8	18.8	92.4	92.5	6.9	6.9	3.5	3.5	5	5	88	88				<0.2	2.3	<0.2	2.3					
IM6	Cloudy	Moderate	16:15	7.6	Surface	1.0	0.1	26	24.7	24.7	8.4	8.4	21.7	21.7	91.3	91.4	6.7	6.7	4.4	4.4	5	5	84	84	87	821067	805817	<0.2	2.0</							

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

Water Quality Monitoring Results on 02 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	16:26	7.6	Surface	1.0	0.4	276	24.9	24.9	8.1	8.1	17.9	17.9	95.4	95.4	7.1	7.1	3.1	3.1	5	81	83	822100	808817	<0.2	2.5	2.3	2.3						
						1.0	0.4	276	24.9	8.1	8.1	17.9	17.9	95.3	95.3	7.1	7.1	3.1	3.1	4	80	83	822100	808817	<0.2	2.1	2.3	2.3							
						3.8	0.4	280	24.8	8.1	8.1	20.0	20.0	91.4	91.4	6.8	6.8	5.0	5.0	3	83	83	822100	808817	<0.2	2.3	2.3	2.3							
					Middle	3.8	0.4	281	24.8	8.1	8.1	20.0	20.0	91.4	91.4	6.8	6.8	5.1	4.9	4	83	83	822100	808817	<0.2	2.0	2.3	2.3							
						6.6	0.3	276	24.8	8.1	8.1	22.5	22.5	91.3	91.3	6.7	6.7	6.5	6.7	10	84	84	822100	808817	<0.2	2.1	2.3	2.3							
						6.6	0.3	281	24.8	8.1	8.1	22.5	22.5	91.3	91.3	6.7	6.7	6.5	6.7	10	84	84	822100	808817	<0.2	2.5	2.3	2.3							
					IM10	Cloudy	Moderate	16:31	7.3	Surface	1.0	0.3	263	24.9	24.9	8.0	8.0	18.2	18.2	94.1	93.8	7.0	7.0	3.6	3.6	4	81	82	822375	809805	<0.2	2.0	2.3	2.3	
											1.0	0.3	267	24.9	8.0	8.0	18.2	18.2	93.5	93.5	7.0	7.0	3.6	3.6	3	80	82	822375	809805	<0.2	1.7	2.3	2.3		
											3.7	0.2	276	24.9	8.0	8.0	19.5	19.5	91.9	91.9	6.8	6.8	3.4	3.9	3	82	83	822375	809805	<0.2	2.2	2.3	2.3		
Middle	3.7	0.2	272	24.9						8.0	8.0	19.5	19.5	91.9	91.9	6.8	6.8	3.4	3.9	3	83	83	822375	809805	<0.2	1.9	2.3	2.3							
	6.3	0.2	227	24.9						8.0	8.0	22.2	22.2	90.8	90.8	6.6	6.6	4.8	6.6	3	84	84	822375	809805	<0.2	2.7	2.3	2.3							
	6.3	0.2	221	24.9						8.0	8.0	22.2	22.2	90.9	90.9	6.6	6.6	4.8	6.6	4	84	84	822375	809805	<0.2	3.0	2.3	2.3							
IM11	Cloudy	Moderate	16:36	7.8						Surface	1.0	0.2	234	24.9	24.9	8.0	8.0	18.6	18.6	93.5	93.4	7.0	7.0	3.3	3.3	3	80	82	822036	811456	<0.2	2.8	2.3	2.3	
											1.0	0.2	242	24.9	8.0	8.0	18.6	18.6	93.3	93.3	7.0	7.0	3.4	6.9	3	80	82	822036	811456	<0.2	3.0	2.3	2.3		
											3.9	0.1	267	24.9	8.0	8.0	20.7	20.7	90.6	90.7	6.7	6.7	5.1	4.2	4	82	83	822036	811456	<0.2	1.8	2.3	2.3		
					Middle	3.9	0.1	258	24.9	8.0	8.0	20.7	20.7	90.7	90.7	6.7	6.7	5.2	4.2	4	82	83	822036	811456	<0.2	2.0	2.3	2.3							
						6.8	0.1	232	24.9	8.0	8.0	21.2	21.2	91.3	91.4	6.7	6.7	4.2	6.7	5	84	84	822036	811456	<0.2	2.1	2.3	2.3							
						6.8	0.1	235	24.9	8.0	8.0	21.2	21.2	91.4	91.4	6.7	6.7	4.2	6.7	5	83	83	822036	811456	<0.2	2.2	2.3	2.3							
					IM12	Cloudy	Moderate	16:46	8.3	Surface	1.0	0.3	213	25.0	25.0	8.0	8.0	19.8	19.8	91.1	91.1	6.7	6.7	3.1	3.1	4	81	82	821437	812029	<0.2	2.2	2.1	2.1	
											1.0	0.4	213	25.0	8.0	8.0	19.8	19.8	91.0	91.0	6.7	6.7	3.1	6.7	4	80	81	821437	812029	<0.2	2.1	2.1	2.1		
											4.2	0.2	202	24.9	8.0	8.0	20.9	20.9	91.0	91.0	6.7	6.7	4.0	3.9	4	81	82	821437	812029	<0.2	2.8	2.1	2.1		
Middle	4.2	0.2	204	24.9						8.0	8.0	20.9	20.9	91.0	91.0	6.7	6.7	4.0	3.9	5	82	83	821437	812029	<0.2	2.3	2.1	2.1							
	7.3	0.0	236	24.8						8.0	8.0	21.9	21.9	90.8	90.9	6.6	6.6	4.5	6.7	7	84	84	821437	812029	<0.2	1.6	2.1	2.1							
	7.3	0.0	251	24.8						8.0	8.0	21.9	21.9	90.9	90.9	6.7	6.7	4.5	6.7	7	83	83	821437	812029	<0.2	1.6	2.1	2.1							
SR1A	Cloudy	Moderate	17:14	5.1						Surface	1.0	-	-	24.6	24.6	8.1	8.1	20.2	20.2	96.1	96.1	7.1	7.1	2.4	2.4	4	-	-	819971	812664	-	-	-	-	
											1.0	-	-	24.6	24.6	8.1	8.1	20.2	20.2	96.0	96.0	7.1	7.1	2.5	7.1	5	-	-	819971	812664	-	-	-	-	
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812664	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812664	-	-	-	-	-			
						4.1	-	-	24.8	24.8	8.1	8.1	20.4	20.4	96.2	96.2	7.1	7.1	2.4	7.1	5	-	-	-	-	819971	812664	-	-	-	-				
						4.1	-	-	24.8	24.8	8.1	8.1	20.4	20.4	96.2	96.2	7.1	7.1	2.4	7.1	5	-	-	-	-	819971	812664	-	-	-	-				
					SR2	Cloudy	Moderate	17:25	4.8	Surface	1.0	0.2	227	24.8	24.8	8.1	8.1	20.2	20.2	96.9	96.8	7.2	7.2	5.4	5.8	5	81	82	821459	814176	<0.2	1.5	1.9	1.9	
											1.0	0.2	250	24.8	8.1	8.1	20.2	20.2	96.7	96.7	7.2	7.2	5.8	7.2	5	82	83	821459	814176	<0.2	1.8	1.9	1.9		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821459	814176	<0.2	-	1.9
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821459	814176	<0.2	-	1.9	1.9				
	3.8	0.2	335	24.8						8.1	8.1	20.3	20.3	95.9	95.9	7.1	7.1	2.4	7.1	3	85	84	821459	814176	<0.2	1.9	1.9	1.9							
	3.8	0.2	308	24.8						8.1	8.1	20.3	20.3	95.9	95.9	7.1	7.1	2.4	7.1	3	84	84	821459	814176	<0.2	2.2	1.9	1.9							
SR3	Cloudy	Moderate	16:16	8.3						Surface	1.0	0.1	47	25.0	25.0	8.0	8.0	19.1	19.1	93.6	93.5	6.9	6.9	4.4	4.4	5	-	-	822145	807555	-	-	-	-	
											1.0	0.2	52	25.0	8.0	8.0	19.1	19.1	93.4	93.4	6.9	6.9	4.4	6.8	4	-	-	-	-	822145	807555	-	-	-	-
											4.2	0.2	47	25.0	8.0	8.0	21.0	21.0	90.7	90.8	6.7	6.7	4.7	4.6	7	-	-	-	-	822145	807555	-	-	-	-
					Middle	4.2	0.2	51	25.0	8.0	8.0	21.0	21.0	90.8	90.8	6.7	6.7	4.9	4.6	6	-	-	-	-	822145	807555	-	-	-	-					
						7.3	0.3	73	25.0	8.0	8.0	21.3	21.3	91.7	91.8	6.7	6.7	4.7	6.7	6	-	-	-	-	822145	807555	-	-	-	-					
						7.3	0.4	74	25.0	8.0	8.0	21.3	21.3	91.8	91.8	6.7	6.7	4.7	6.7	6	-	-	-	-	822145	807555	-	-	-	-					
					SR4A	Cloudy	Moderate	17:43	8.6	Surface	1.0	0.3	230	24.3	24.3	8.4	8.4	23.0	23.1	94.2	94.2	6.9	6.9	3.8	3.7	6	-	-	817192	807801	-	-	-	-	
											1.0	0.3	235	24.2	8.4	8.4	23.1	23.1	94.2	94.2	6.9	6.9	3.7	6.9	5	-	-	-	-	817192	807801	-	-	-	-
											4.3	0.4	244	24.0	8.4	8.4	23.6	23.6	93.9	94.0	6.9	6.9	3.1	3.3	7	-	-	-	-	817192	807801	-	-	-	-
Middle	4.3	0.4	243	24.0						8.4	8.4	23.6	23.6	94.0	94.0	6.9	6.9	3.0	6.9	6	-	-	-	-	817192	807801	-	-	-	-					
	7.6	0.4	289	24.0						8.4	8.4	23.7	23.7	94.6	94.8	7.0	7.0	2.8	7.0	8	-	-	-	-	817192	807801	-	-	-	-					
	7.6	0.4	293	24.0						8.4	8.4	23.7	23.7	94.9	94.8	7.0	7.0	3.3	7.0	8	-	-	-	-	817192	807801	-	-	-	-					
SR5A	Cloudy	Calm	18:10	4.6						Surface	1.0	0.2	259	25.0	25.0	8.5	8.5	18.6	18.6	99.3	99.3	7.4	7.4	10.8	10.8	8	-	-	816587	810718	-	-	-	-	
											1.0	0.2	230	25.0	8.5	8.5	18.7	18.7	99.3	99.3	7.4	7.4	10.8	7.4	8	-	-	-	-	816587	810718	-	-	-	-
											-	-	-																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	12:22	8.6	Surface	1.0	0.2	210	24.0	24.0	8.0	8.0	27.4	27.4	92.0	92.1	6.6	6.7	5.8	5	92	94	815609	804263	<0.2	1.3	1.0	1.2					
						1.0	0.3	210	24.0	8.0	8.0	27.4	27.4	92.2	92.4	6.6	6.7	6.0	4	92	94	<0.2	1.3	1.0	1.2								
						4.3	0.2	228	24.0	8.0	8.0	26.9	26.9	92.4	92.4	6.7	6.7	6.4	2	93	94	<0.2	1.0	1.0	1.2								
					Middle	4.3	0.2	233	24.0	8.0	8.0	26.9	26.9	92.3	92.3	6.7	6.7	6.1	4	94	95	<0.2	1.2	1.0	1.2								
						7.6	0.2	229	24.0	8.0	8.0	27.3	27.3	92.0	92.1	6.6	6.6	3.3	7	95	95	<0.2	1.2	1.0	1.2								
						7.6	0.2	239	24.0	8.0	8.0	27.3	27.3	92.1	92.1	6.6	6.6	3.2	6	95	95	<0.2	1.2	1.0	1.2								
					C2	Cloudy	Moderate	13:40	11.8	Surface	1.0	0.3	167	24.3	24.3	8.1	8.1	23.8	23.8	93.9	94.0	6.9	6.9	8.5	12	86	87	825696	806958	<0.2	1.4	1.3	1.7
											1.0	0.3	183	24.2	24.3	8.1	8.1	23.8	23.8	94.0	94.0	6.9	6.9	8.6	12	86	87	<0.2	1.3	1.3	1.7		
											5.9	0.3	141	24.3	24.3	8.0	8.0	23.9	23.9	94.3	94.4	6.9	6.9	12.9	11	87	88	<0.2	1.8	1.8	1.7		
Middle	5.9	0.3	150	24.3						24.3	8.0	8.0	23.9	23.9	94.5	94.5	6.9	6.9	12.9	11	88	89	<0.2	2.1	2.1	1.8							
	10.8	0.5	93	24.3						24.3	8.1	8.1	24.1	24.1	92.9	93.0	6.8	6.8	10.0	9	88	89	<0.2	1.6	1.6	1.8							
	10.8	0.5	93	24.3						24.3	8.1	8.1	24.1	24.1	93.1	93.1	6.8	6.8	10.1	10	89	89	<0.2	1.6	1.6	1.8							
C3	Cloudy	Moderate	11:40	12.1						Surface	1.0	0.5	84	24.4	24.4	8.1	8.1	27.5	27.5	90.1	90.1	6.4	6.4	8.2	8	85	87	822109	817787	<0.2	0.9	1.0	0.9
											1.0	0.5	85	24.4	24.4	8.1	8.1	27.5	27.5	90.1	90.1	6.4	6.4	8.2	8	85	86	<0.2	1.0	1.0	0.9		
											6.1	0.4	102	24.4	24.4	8.1	8.1	27.7	27.7	90.9	90.9	6.5	6.5	9.9	9	86	88	<0.2	1.1	1.1	0.9		
					Middle	6.1	0.4	104	24.4	24.4	8.1	8.1	27.7	27.7	90.9	90.9	6.5	6.5	9.9	8	88	89	<0.2	0.8	0.8	0.6							
						11.1	0.4	64	24.5	24.5	8.1	8.1	28.6	28.6	91.3	91.5	6.5	6.5	5.1	9	90	90	<0.2	0.8	0.8	0.6							
						11.1	0.4	70	24.5	24.5	8.1	8.1	28.6	28.6	91.7	91.7	6.5	6.5	5.0	9	89	89	<0.2	0.6	0.6	0.6							
					IM1	Cloudy	Calm	12:33	5.6	Surface	1.0	0.1	221	24.0	24.0	8.0	8.0	27.5	27.5	91.2	91.1	6.6	6.6	7.3	13	90	92	817946	807111	<0.2	1.0	1.0	1.3
											1.0	0.1	229	24.0	24.0	8.0	8.0	27.5	27.5	90.9	90.9	6.5	6.5	7.0	12	90	92	<0.2	1.0	1.0	1.3		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	-	-		
	4.6	0.1	193	24.1						24.1	8.0	8.0	27.4	27.4	90.9	91.1	6.5	6.5	6.3	10	93	93	<0.2	1.6	1.6	1.4							
	4.6	0.1	201	24.1						24.1	8.0	8.0	27.4	27.4	91.2	91.2	6.6	6.6	6.3	12	93	93	<0.2	1.4	1.4	1.4							
IM2	Cloudy	Moderate	12:39	8.4						Surface	1.0	0.1	131	23.8	23.8	8.0	8.0	26.4	26.4	91.9	91.9	6.7	6.7	2.7	7	92	94	818139	806162	<0.2	1.5	1.6	1.5
											1.0	0.1	137	23.8	23.8	8.0	8.0	26.4	26.4	91.8	91.8	6.7	6.7	2.8	7	93	93	<0.2	1.6	1.6	1.5		
											4.2	0.1	136	24.0	24.0	8.0	8.0	27.6	27.6	90.5	90.6	6.5	6.5	4.3	5	93	94	<0.2	1.7	1.7	1.5		
					Middle	4.2	0.1	147	24.0	24.0	8.0	8.0	27.6	27.6	90.6	90.6	6.5	6.5	4.4	6	94	95	<0.2	1.6	1.6	1.5							
						7.4	0.1	166	24.0	24.0	8.0	8.0	27.8	27.8	92.0	92.1	6.6	6.6	4.6	5	95	95	<0.2	1.1	1.1	1.3							
						7.4	0.1	169	24.0	24.0	8.0	8.0	27.8	27.8	92.2	92.2	6.6	6.6	4.7	5	95	95	<0.2	1.1	1.1	1.3							
					IM3	Cloudy	Moderate	12:45	8.3	Surface	1.0	0.2	247	23.6	23.6	8.0	8.0	24.8	24.8	95.4	95.5	7.0	7.0	8.1	5	90	92	818803	805600	<0.2	1.1	1.1	1.6
											1.0	0.2	250	23.5	23.5	8.0	8.0	24.8	24.8	95.6	95.6	7.1	7.1	8.0	4	90	90	<0.2	1.1	1.1	1.6		
											4.2	0.2	214	23.8	23.8	8.0	8.0	25.4	25.4	93.8	94.0	6.9	6.9	9.5	3	93	93	<0.2	1.9	1.9	1.6		
Middle	4.2	0.2	235	23.8						23.8	8.0	8.0	25.4	25.4	94.2	94.2	6.9	6.9	9.4	4	93	93	<0.2	1.7	1.7	1.6							
	7.3	0.2	213	23.8						23.8	8.0	8.0	25.5	25.5	93.9	94.1	6.9	6.9	2.7	4	94	94	<0.2	1.8	1.8	1.6							
	7.3	0.2	217	23.8						23.8	8.0	8.0	25.5	25.5	94.2	94.2	6.9	6.9	2.8	4	94	94	<0.2	1.7	1.7	1.6							
IM4	Rainy	Rough	12:54	8.7						Surface	1.0	0.3	286	23.4	23.4	8.0	8.0	25.2	25.2	93.6	93.6	6.9	6.9	2.2	5	88	92	819730	804607	<0.2	1.4	1.4	1.5
											1.0	0.3	307	23.4	23.4	8.0	8.0	25.2	25.2	93.5	93.5	6.9	6.9	2.4	6	89	89	<0.2	1.4	1.4	1.5		
											4.4	0.1	218	23.8	23.8	8.0	8.0	25.1	25.1	92.3	92.3	6.8	6.8	3.9	6	92	92	<0.2	1.2	1.2	1.5		
					Middle	4.4	0.1	222	23.8	23.8	8.0	8.0	25.1	25.1	92.2	92.3	6.7	6.7	4.1	5	93	93	<0.2	1.0	1.0	1.5							
						7.7	0.2	248	23.9	23.9	8.0	8.0	26.8	26.8	93.2	93.3	6.7	6.7	4.7	6	95	95	<0.2	1.9	1.9	1.5							
						7.7	0.2	269	23.9	23.9	8.0	8.0	26.8	26.8	93.4	93.4	6.8	6.8	4.9	7	95	95	<0.2	2.2	2.2	1.5							
					IM5	Rainy	Rough	13:01	8.3	Surface	1.0	0.4	289	23.7	23.7	8.0	8.0	25.8	25.8	94.1	94.1	6.9	6.9	3.5	8	89	92	820712	804884	<0.2	1.8	1.8	1.4
											1.0	0.5	312	23.7	23.7	8.0	8.0	25.8	25.8	94.1	94.1	6.9	6.9	3.6	9	89	89	<0.2	1.8	1.8	1.4		
											4.2	0.2	296	23.7	23.7	8.0	8.0	25.9	25.9	94.1	94.1	6.9	6.9	3.9	9	92	92	<0.2	1.3	1.3	1.4		
Middle	4.2	0.2	306	23.7						23.7	8.0	8.0	25.9	25.9	94.1	94.1	6.9	6.9	4.3	8	93	93	<0.2	1.3	1.3	1.4							
	7.3	0.2	199	23.5						23.5	8.0	8.0	26.0	26.1	94.9	95.0	7.0	7.0	2.4	9	95	95	<0.2	1.1	1.1	1.4							
	7.3	0.2	207	23.4						23.5	8.0	8.0	26.1	26.1	95.1	95.1	7.0	7.0	2.4	10	95	95	<0.2	0.9	0.9	1.4							
IM6	Rainy	Rough	13:10	7.9						Surface	1.0	0.3	257	23.7	23.7	8.0	8.0	24.0	24.0	91.7	91.8	6.8	6.8	3.4	8	89	92	821037	805832	<0.2	1.2	1.0	1.0
											1.0	0.3	265	23.7	23.7	8.0	8.0	24.0	24.0	91.8	91.8	6.8	6.8	3.4	8	90	90	<0.2	1.0	1.0	1.0		
											4.0	0.3	259	23.7	23.7	8.0	8.0	24.0	24.0	91.7	91.7	6.8	6.8	3.3	10	93	93	<0.2	1.3	1.3	1.0		
					Middle	4.0	0.3	263	23.7	23.7	8.0	8.0	24.0	24.0	91.7	91.7	6.8	6.8	3.3	10	93	93	<0.2	1.1	1.1	1.0							
						6.9	0.3	234	23.6	23.6	8.0	8.0	24.7	24.7	91.9	92.0	6.8	6.8	3.6	9	94	94	<0.2	0.9	0.9	1.0							
						6.9	0.3	239	23.6	23.6	8.0	8.0	24.7	24.7	92.0	92.0	6.8	6.8	3.7	9	95	95	<0.2	0.6	0.6								

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

Water Quality Monitoring Results on 04 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
IM9	Cloudy	Moderate	12:59	7.1	Surface	1.0	0.2	109	24.0	24.0	8.0	8.0	22.7	22.8	94.5	94.6	7.0	7.2	9	86	89	82	88	822082	808790	<0.2	0.8	0.7	0.8					
						1.0	0.2	119	23.9	8.0	8.0	22.8	22.8	94.7	94.7	7.0	7.2	8	87	88	88	88	88	88	88	88	88	88	88	88	88	88		
						3.6	0.3	116	24.1	24.1	8.0	8.0	22.8	22.8	93.7	93.8	6.9	7.7	8	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					Middle	3.6	0.3	124	24.1	24.1	8.0	8.0	22.9	22.8	93.9	93.8	6.9	7.5	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						6.1	0.3	83	24.3	24.3	8.1	8.1	23.0	23.0	91.1	91.2	6.7	7.9	12	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.1	0.3	89	24.3	24.3	8.1	8.1	23.0	23.0	91.2	91.2	6.7	7.9	13	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
					Bottom	6.1	0.3	89	24.3	24.3	8.1	8.1	23.0	23.0	91.2	91.2	6.7	7.9	13	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
						1.0	0.5	107	24.3	24.3	8.1	8.1	23.2	23.2	92.6	92.6	6.8	6.3	8	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
						1.0	0.6	108	24.2	24.2	8.1	8.1	23.2	23.2	92.6	92.6	6.8	6.6	9	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
Middle	3.7	0.6	114	24.2	24.2	8.0	8.0	23.2	23.2	93.3	93.4	6.9	8.0	10	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87					
	3.7	0.6	116	24.1	24.1	8.0	8.0	23.3	23.2	93.5	93.4	6.9	8.0	10	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
	6.4	0.5	108	24.3	24.3	8.1	8.1	23.5	23.5	91.9	92.0	6.7	7.1	39	90	90	90	90	90	90	90	90	90	90	90	90	90	90						
Bottom	6.4	0.5	117	24.3	24.3	8.1	8.1	23.5	23.5	92.0	92.0	6.7	7.0	40	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89					
	1.0	0.7	107	24.4	24.4	8.1	8.1	25.5	25.5	89.3	89.3	6.5	13.1	11	86	86	86	86	86	86	86	86	86	86	86	86	86	86						
	1.0	0.7	115	24.4	24.4	8.1	8.1	25.5	25.5	89.3	89.3	6.5	13.1	10	85	85	85	85	85	85	85	85	85	85	85	85	85	85						
Middle	3.8	0.6	114	24.5	24.5	8.1	8.1	25.7	25.7	90.5	90.7	6.5	6.8	13	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87					
	3.8	0.7	120	24.5	24.5	8.1	8.1	25.7	25.7	90.9	90.7	6.6	6.9	13	88	88	88	88	88	88	88	88	88	88	88	88	88	88						
	6.6	0.5	114	24.4	24.4	8.1	8.1	25.7	25.7	89.7	89.8	6.5	6.5	26	90	90	90	90	90	90	90	90	90	90	90	90	90							
Bottom	6.6	0.5	116	24.4	24.4	8.1	8.1	25.7	25.7	89.9	89.9	6.5	6.6	28	90	90	90	90	90	90	90	90	90	90	90	90	90	90						
	1.0	0.6	127	24.3	24.3	8.1	8.1	25.5	25.5	90.0	90.0	6.5	6.3	12	85	85	85	85	85	85	85	85	85	85	85	85	85							
	1.0	0.6	134	24.3	24.3	8.1	8.1	25.5	25.5	90.0	90.0	6.5	6.3	11	84	84	84	84	84	84	84	84	84	84	84	84	84							
Middle	4.1	0.5	109	24.4	24.4	8.1	8.1	25.4	25.4	90.6	90.7	6.6	6.7	16	88	88	88	88	88	88	88	88	88	88	88	88	88	88						
	4.1	0.6	118	24.4	24.4	8.1	8.1	25.4	25.4	90.7	90.7	6.6	6.8	15	88	88	88	88	88	88	88	88	88	88	88	88	88	88						
	7.2	0.5	116	24.3	24.3	8.1	8.1	25.4	25.4	91.6	91.6	6.6	7.6	27	90	90	90	90	90	90	90	90	90	90	90	90	90							
Bottom	7.2	0.5	122	24.3	24.3	8.1	8.1	25.4	25.4	91.6	91.6	6.6	7.8	26	89	89	89	89	89	89	89	89	89	89	89	89	89	89						
	1.0	-	-	23.9	23.9	8.1	8.1	27.8	27.8	91.2	91.0	6.6	3.0	5	-	-	-	-	-	-	-	-	-	-	-	-	-							
	1.0	-	-	23.9	23.9	8.1	8.1	27.8	27.8	90.8	90.8	6.5	3.3	5	-	-	-	-	-	-	-	-	-	-	-	-								
Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-							
	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.7	-	-	24.4	24.4	8.1	8.1	26.0	26.0	89.1	89.1	6.4	7.2	6	-	-	-	-	-	-	-	-	-	-	-	-								
Bottom	3.7	-	-	24.4	24.4	8.1	8.1	26.0	26.0	89.1	89.1	6.4	7.3	7	-	-	-	-	-	-	-	-	-	-	-	-	-							
	1.0	0.6	104	24.4	24.4	8.1	8.1	25.8	25.8	88.6	88.6	6.4	8.4	7	87	87	87	87	87	87	87	87	87	87	87	87	87							
	1.0	0.7	112	24.4	24.4	8.1	8.1	25.8	25.8	88.5	88.6	6.4	8.8	7	86	86	86	86	86	86	86	86	86	86	86	86								
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-							
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.6	0.4	111	24.5	24.5	8.1	8.1	26.0	26.0	89.2	89.3	6.4	8.6	8	90	90	90	90	90	90	90	90	90	90	90	90								
Bottom	3.6	0.4	116	24.4	24.4	8.1	8.1	26.0	26.0	89.4	89.3	6.4	8.4	9	90	90	90	90	90	90	90	90	90	90	90	90	90							
	1.0	0.4	153	24.1	24.1	8.1	8.1	23.0	23.0	93.3	93.3	6.9	9.0	8	-	-	-	-	-	-	-	-	-	-	-	-								
	1.0	0.4	155	24.1	24.1	8.1	8.1	23.0	23.0	93.3	93.3	6.9	9.0	8	-	-	-	-	-	-	-	-	-	-	-									
Middle	4.2	0.4	111	24.0	24.0	8.0	8.0	23.0	23.0	95.5	95.6	7.1	13.0	8	-	-	-	-	-	-	-	-	-	-	-	-								
	4.2	0.5	114	23.9	23.9	8.0	8.0	23.1	23.0	95.7	95.6	7.1	13.0	7	-	-	-	-	-	-	-	-	-	-	-	-								
	7.3	0.5	93	24.1	24.1	8.1	8.1	23.1	23.1	91.0	91.0	6.7	7.5	7	-	-	-	-	-	-	-	-	-	-	-									
Bottom	7.3	0.6	98	24.1	24.1	8.1	8.1	23.1	23.1	91.0	91.0	6.7	7.3	8	-	-	-	-	-	-	-	-	-	-	-									
	1.0	0.2	97	24.1	24.1	8.0	8.0	27.8	27.8	90.4	90.4	6.5	6.6	7	-	-	-	-	-	-	-	-	-	-	-									
	1.0	0.2	99	24.1	24.1	8.0	8.0	27.8	27.8	90.4	90.4	6.5	6.7	8	-	-	-	-	-	-	-	-	-	-										
Middle	4.6	0.2	88	24.1	24.1	8.0	8.0	27.8	27.8	90.4	90.5	6.5	7.3	9	-	-	-	-	-	-	-	-	-	-	-									
	4.6	0.2	91	24.1	24.1	8.0	8.0	27.8	27.8	90.5	90.5	6.5	7.3	8	-	-	-	-	-	-	-	-	-	-										
	8.1	0.2	110	23.8	23.8	8.0	8.0	26.5	26.5	91.1	91.3	6.6	5.2	8	-	-	-	-	-	-	-	-	-	-										
Bottom	8.1	0.2	112	23.8	23.8	8.0	8.0	26.5	26.5	91.4	91.3	6.6	5.3	8	-	-	-	-	-	-	-	-	-	-	-									
	1.0	0.1	328	23.6	23.6	8.0	8.0	24.6	24.6	90.4	90.4	6.7	3.7	8	-	-	-	-	-	-	-	-	-	-										
	1.0	0.1	329	23.6	23.6	8.0	8.0	24.7	24.6	90.																								

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

Water Quality Monitoring Results on 04 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)	Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
								Value	Average	Value	Average	Value	Average	Value	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Cloudy	Rough	18:40	8.1	Surface	1.0	0.3	33	23.7	23.7	8.1	8.1	25.9	25.9	95.3	95.3	7.0	3.6	16	90	93	815604	804254	<0.2	0.8	0.9	0.9		
						1.0	0.3	33	23.7	8.1	8.1	25.9	25.9	95.2	95.2	6.9	3.3	17	90	93	<0.2	0.9	0.9	0.9					
						4.1	0.2	38	23.9	23.9	8.0	8.0	26.0	26.0	94.2	94.2	6.9	2.5	7	93	94	<0.2	0.9	0.9	0.9				
					Middle	4.1	0.2	39	23.9	23.9	8.0	8.0	26.0	26.0	94.2	94.2	6.9	2.5	8	94	95	<0.2	0.8	0.8	0.8	0.8	0.8	0.8	0.8
						7.1	0.1	41	23.8	23.8	8.0	8.0	26.5	26.5	94.5	94.5	6.9	3.6	9	95	95	<0.2	0.8	0.8	0.8	0.8	0.8	0.8	0.8
						7.1	0.1	44	23.8	23.8	8.0	8.0	26.5	26.5	94.6	94.6	6.9	7.8	9	95	95	<0.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9
					Bottom	1.0	0.3	53	24.0	24.0	8.1	8.1	23.4	23.4	95.6	95.6	7.0	9.9	10	85	85	<0.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7
						1.0	0.3	54	24.0	24.0	8.1	8.1	23.4	23.4	95.9	95.9	7.1	9.9	11	86	86	<0.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
						5.8	0.3	40	24.2	24.2	8.0	8.0	23.1	23.1	95.4	95.4	7.0	10.1	11	87	87	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Middle	5.8	0.4	42	24.2	24.2	8.0	8.0	23.1	23.1	95.7	95.7	7.0	10.4	12	89	89	<0.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3				
	10.5	0.5	68	24.1	24.1	8.1	8.1	23.1	23.1	93.4	93.4	6.9	7.9	12	90	90	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4					
	10.5	0.5	62	24.1	24.1	8.1	8.1	23.1	23.1	93.6	93.6	6.9	7.9	12	107	107	<0.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2					
C2	Cloudy	Moderate	17:33	11.5	Surface	1.0	0.3	273	24.3	24.3	8.1	8.1	26.0	26.0	93.3	93.3	6.7	5.7	4	86	86	825702	806955	<0.2	1.0	1.0	1.0	1.0	
						1.0	0.3	298	24.3	24.3	8.1	8.1	26.0	26.0	93.2	93.2	6.7	5.6	5	87	87	<0.2	0.8	0.8	0.8	0.8	0.8		
						6.1	0.2	251	24.4	24.4	8.0	8.0	26.2	26.1	93.7	93.7	6.8	11.0	5	87	87	<0.2	1.0	1.0	1.0	1.0			
					Middle	6.1	0.2	272	24.4	24.4	8.0	8.0	26.1	26.1	93.9	93.9	6.8	11.0	6	89	89	<0.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9
						11.2	0.1	257	24.3	24.3	8.1	8.1	26.3	26.3	93.9	93.9	6.8	5.6	8	90	90	<0.2	1.0	1.0	1.0	1.0	1.0	1.0	
						11.2	0.1	273	24.3	24.3	8.1	8.1	26.3	26.3	94.2	94.2	6.8	5.4	8	89	89	<0.2	1.3	1.3	1.3	1.3	1.3	1.3	
					Bottom	1.0	0.1	272	24.0	24.0	8.0	8.0	27.6	27.6	92.5	92.5	6.7	5.7	15	89	89	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	
						1.0	0.1	290	23.9	23.9	8.0	8.0	27.6	27.6	92.4	92.4	6.7	5.7	15	90	90	<0.2	1.0	1.0	1.0	1.0	1.0	1.0	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.2	0.1	21	23.9	23.9	8.0	8.0	27.6	27.6	93.0	93.0	6.7	3.9	15	92	92	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1					
	4.2	0.1	21	23.9	23.9	8.0	8.0	27.6	27.6	93.3	93.3	6.7	3.5	15	92	92	<0.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2					
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
C3	Cloudy	Moderate	19:12	12.2	Surface	1.0	0.3	298	24.3	24.3	8.1	8.1	26.0	26.0	93.3	93.3	6.7	5.7	4	86	86	822118	817822	<0.2	1.0	1.0	1.0	1.0	
						1.0	0.3	298	24.3	24.3	8.1	8.1	26.0	26.0	93.2	93.2	6.7	5.6	5	87	87	<0.2	0.8	0.8	0.8	0.8	0.8		
						6.1	0.2	272	24.4	24.4	8.0	8.0	26.2	26.1	93.7	93.7	6.8	11.0	5	87	87	<0.2	1.0	1.0	1.0	1.0			
					Middle	6.1	0.2	272	24.4	24.4	8.0	8.0	26.1	26.1	93.9	93.9	6.8	11.0	6	89	89	<0.2	0.9	0.9	0.9	0.9	0.9	0.9	
						11.2	0.1	257	24.3	24.3	8.1	8.1	26.3	26.3	93.9	93.9	6.8	5.6	8	90	90	<0.2	1.0	1.0	1.0	1.0	1.0		
						11.2	0.1	273	24.3	24.3	8.1	8.1	26.3	26.3	94.2	94.2	6.8	5.4	8	89	89	<0.2	1.3	1.3	1.3	1.3	1.3		
					Bottom	1.0	0.1	272	24.0	24.0	8.0	8.0	27.6	27.6	92.5	92.5	6.7	5.7	15	89	89	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	
						1.0	0.1	290	23.9	23.9	8.0	8.0	27.6	27.6	92.4	92.4	6.7	5.7	15	90	90	<0.2	1.0	1.0	1.0	1.0	1.0	1.0	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.2	0.1	21	23.9	23.9	8.0	8.0	27.6	27.6	93.0	93.0	6.7	3.9	15	92	92	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1					
	4.2	0.1	21	23.9	23.9	8.0	8.0	27.6	27.6	93.3	93.3	6.7	3.5	15	92	92	<0.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2					
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
IM1	Cloudy	Moderate	18:15	5.2	Surface	1.0	0.2	50	23.7	23.7	8.0	8.0	26.1	26.1	94.4	94.4	6.9	2.7	14	89	89	818165	806167	<0.2	1.0	1.0	1.0	1.0	
						1.0	0.2	50	23.7	23.7	8.0	8.0	26.1	26.1	94.6	94.6	6.9	3.0	15	90	90	<0.2	0.8	0.8	0.8	0.8	0.8		
						4.0	0.1	43	23.7	23.7	8.0	8.0	26.2	26.2	95.0	95.0	6.9	3.8	14	92	92	<0.2	1.0	1.0	1.0	1.0			
					Middle	4.0	0.1	44	23.7	23.7	8.0	8.0	26.2	26.2	95.0	95.0	6.9	4.3	13	93	93	<0.2	1.0	1.0	1.0	1.0	1.0		
						6.9	0.1	334	23.7	23.7	8.0	8.0	26.1	26.1	95.5	95.5	7.0	3.5	8	95	95	<0.2	0.9	0.9	0.9	0.9			
						6.9	0.1	347	23.7	23.7	8.0	8.0	26.1	26.1	95.7	95.7	7.0	3.7	7	95	95	<0.2	1.2	1.2	1.2	1.2			
					Bottom	1.0	0.2	65	23.5	23.5	8.0	8.0	25.4	25.3	93.5	93.5	6.9	1.8	6	89	89	<0.2	1.0	1.0	1.0	1.0			
						1.0	0.2	73	23.6	23.6	8.0	8.0	25.3	25.3	93.6	93.6	6.9	1.9	6	90	90	<0.2	0.8	0.8	0.8	0.8			
						4.2	0.1	85	23.7	23.7	8.0	8.0	25.9	25.9	94.1	94.1	6.9	3.6	4	93	93	<0.2	1.0	1.0	1.0	1.0			
Middle	4.2	0.1	87	23.7	23.7	8.0	8.0	25.9	25.9	94.1	94.1	6.9	3.7	4	94	94	<0.2	0.8	0.8	0.8	0.8								
	7.3	0.1	66	23.7	23.7	8.0	8.0	25.8	25.8	94.4	94.4	6.9	1.8	5	94	94	<0.2	0.6	0.6	0.6	0.6								
	7.3	0.1	67	23.7	23.7	8.0	8.0	25.8	25.8	94.4	94.4	6.9	1.8	4	94	94	<0.2	0.4	0.4	0.4	0.4								
Bottom	1.0	0.2	69	23.7	23.7	8.0	8.0	25.2	25.2	95.7	95.7	7.0	6.9	10	89	89	<0.2	0.4	0.4	0.4	0.4								
	1.0	0.2	75	23.7	23.7	8.0	8.0	25.2	25.2	95.8	95.8	7.0	6.8	11	90	90	<0.2	0.6	0.6	0.6	0.6								
	4.3	0.2	80	23.6	23.6	8.0	8.0	25.2	25.2	96.8	96.8	7.1	13.8	4	92	92	<0.2	1.3	1.3	1.3	1.3								
Middle	4.3	0.2	83	23.6	23.6	8.0	8.0	25.2	25.2	97.0	97.0	7.1	13.7	5	92	92	<0.2	1.1	1.1	1.1	1.1								
	7.6	0.1	64	23.6	23.6	8.0	8.0	25.3	25.3	95.7	95.7	7.0	13.0	5	94	94	<0.2	0.8	0.8	0.8	0.8								
	7.6	0.1	68	23.6	23.6	8.0	8.0	25.3	25.3	95.8	95.8	7.0	12.9	4	94	94	<0.2	0.9	0.9	0.9	0.9								
Bottom	1.0																												

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

Water Quality Monitoring Results on 04 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	18:02	7.2	Surface	1.0	0.3	253	24.1	24.1	8.1	8.1	24.1	24.1	94.6	94.8	6.9	6.8	8.4	6	85	88	88	88	822093	808792	<0.2	<0.2	1.2	1.1			
						1.0	0.3	268	24.1	24.1	8.1	8.1	24.1	24.1	94.9	94.8	7.0	6.8	8.8	7	86	88	88	88					1.3	1.0			
						3.6	0.4	230	24.2	24.2	8.1	8.1	24.0	24.0	91.5	91.5	6.7	6.7	7.3	8	88	88	88	88					0.8	0.8			
					3.6	0.4	238	24.2	24.2	8.1	8.1	24.0	24.2	91.4	91.4	6.7	6.7	7.3	8	89	88	88	88	0.9					0.9				
					6.2	0.3	126	24.2	24.2	8.1	8.1	24.4	24.4	92.1	92.3	6.7	6.7	7.3	9	90	88	88	88	0.9					0.9				
					6.2	0.3	130	24.2	24.2	8.1	8.1	24.4	24.4	92.5	92.3	6.7	6.7	7.3	9	90	88	88	88	0.9					0.9				
					1.0	0.1	231	24.3	24.3	8.1	8.0	24.0	24.0	90.0	89.9	6.6	6.6	5.9	7	85	88	88	88	0.9					0.9				
					1.0	0.1	232	24.3	24.3	8.0	8.0	24.0	24.0	89.8	89.3	6.6	6.5	5.9	8	84	88	88	88	0.9					0.9				
					3.8	0.1	234	24.2	24.2	8.0	8.0	24.2	24.2	89.4	89.3	6.5	6.3	6.3	8	88	88	88	88	0.9					0.9				
3.8	0.1	234	24.2	24.2	8.0	8.0	24.3	24.2	89.2	88.6	6.5	6.2	6.2	7	90	88	88	88	0.8	0.8													
6.6	0.1	314	24.2	24.2	8.0	8.0	25.5	25.5	88.6	88.6	6.4	6.4	19.8	10	90	88	88	88	0.5	0.5													
6.6	0.1	314	24.2	24.2	8.0	8.0	25.5	25.5	88.5	88.6	6.4	6.4	19.8	9	90	88	88	88	0.7	0.7													
IM11	Cloudy	Moderate	18:21	7.4	Surface	1.0	0.2	302	24.2	24.2	8.1	8.1	24.1	24.1	95.9	96.1	7.0	6.9	10.5	8	85	88	88	88	822043	811482	<0.2	<0.2	0.6	0.6			
						1.0	0.2	309	24.2	24.2	8.1	8.1	24.1	24.1	96.3	96.1	7.0	6.9	10.7	8	86	88	88	88					0.6	0.6			
						3.7	0.1	226	24.3	24.3	8.1	8.1	24.2	24.2	92.5	92.6	6.7	6.7	10.7	8	89	88	88	88					0.9	0.9			
					3.7	0.1	232	24.3	24.3	8.1	8.1	24.2	24.2	92.6	92.6	6.8	6.8	10.8	9	90	88	88	88	0.8					0.8				
					6.4	0.1	193	24.3	24.3	8.1	8.1	25.7	25.7	90.8	91.0	6.6	6.6	18.8	9	90	88	88	88	0.6					0.6				
					6.4	0.1	199	24.3	24.3	8.1	8.1	25.7	25.7	91.1	91.0	6.6	6.6	18.9	10	90	88	88	88	0.6					0.6				
					1.0	0.2	308	24.2	24.2	8.1	8.1	23.8	23.8	92.8	92.8	6.8	6.8	10.8	7	85	88	88	88	1.3					1.1				
					1.0	0.2	315	24.2	24.2	8.1	8.1	23.8	23.8	92.8	92.8	6.8	6.8	11.1	8	85	88	88	88	1.1					1.1				
					4.1	0.3	268	24.2	24.2	8.1	8.1	24.1	24.1	92.7	92.7	6.8	6.8	13.5	8	87	88	88	88	1.0					1.0				
4.1	0.3	290	24.2	24.2	8.1	8.1	24.1	24.1	92.7	92.7	6.8	6.8	13.4	10	89	88	88	88	0.8	0.8													
7.1	0.2	211	24.2	24.2	8.1	8.1	24.6	24.6	92.4	92.5	6.7	6.7	19.3	9	90	88	88	88	0.7	0.7													
7.1	0.2	221	24.2	24.2	8.1	8.1	24.6	24.6	92.5	92.5	6.7	6.7	19.3	8	90	88	88	88	0.8	0.8													
SR1A	Cloudy	Moderate	18:41	4.8	Surface	1.0	-	-	23.9	23.9	8.0	8.0	24.2	24.2	94.7	94.9	7.0	7.0	8.8	10	-	-	-	-	819983	812665	-	-	-	-			
						1.0	-	-	23.8	23.8	8.1	8.1	24.2	24.2	95.0	94.9	7.0	7.0	8.8	10	-	-	-	-					-	-			
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-		
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
					3.8	-	-	24.1	24.1	8.1	8.1	24.2	24.2	94.0	94.1	6.9	6.9	7.3	9	-	-	-	-	-					-	-	-	-	
					3.8	-	-	24.1	24.1	8.1	8.1	24.2	24.2	94.2	94.1	6.9	6.9	7.8	10	-	-	-	-	-					-	-	-	-	-
					1.0	0.1	274	24.0	24.0	8.1	8.1	23.8	23.8	93.5	93.5	6.9	6.9	8.1	9	86	88	88	88	0.7					0.7				
					1.0	0.1	295	24.0	24.0	8.1	8.1	23.8	23.8	93.5	93.5	6.9	6.9	8.1	8	85	88	88	88	0.8					0.8				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
3.6	0.1	287	24.1	24.1	8.1	8.1	24.1	24.1	94.5	94.6	6.9	6.9	6.8	8	87	88	88	88	0.9	0.9													
3.6	0.1	297	24.1	24.1	8.1	8.1	24.1	24.1	94.6	94.6	6.9	6.9	6.6	8	89	88	88	88	0.9	0.9													
SR3	Cloudy	Moderate	17:50	8.4	Surface	1.0	0.1	61	24.2	24.2	8.1	8.1	23.4	23.4	91.1	91.1	6.7	6.7	13.0	9	-	-	-	-	822146	807559	-	-	-	-			
						1.0	0.1	64	24.2	24.2	8.1	8.1	23.4	23.4	91.1	91.1	6.7	6.7	13.9	9	-	-	-	-					-	-			
						4.2	0.2	64	24.3	24.3	8.1	8.1	23.5	23.5	91.3	91.3	6.7	6.7	5.4	8	-	-	-	-					-	-			
					4.2	0.2	65	24.2	24.2	8.1	8.1	23.5	23.5	91.3	91.3	6.7	6.7	5.5	7	-	-	-	-	-					-	-	-		
					7.4	0.3	86	24.0	24.0	8.1	8.1	23.7	23.7	91.1	91.2	6.7	6.7	5.9	8	-	-	-	-	-					-	-	-		
					7.4	0.3	91	24.0	24.0	8.1	8.1	23.7	23.7	91.2	91.2	6.7	6.7	5.9	9	-	-	-	-	-					-	-	-		
					1.0	0.2	242	23.8	23.8	8.0	8.0	27.1	27.1	93.3	93.3	6.8	6.8	5.5	14	-	-	-	-	-					-	-	-		
					1.0	0.2	245	23.8	23.8	8.0	8.0	27.1	27.1	93.3	93.3	6.8	6.8	5.7	15	-	-	-	-	-					-	-	-		
					4.5	0.3	245	23.9	23.9	8.0	8.0	27.2	27.2	94.4	94.6	6.8	6.8	5.5	16	-	-	-	-	-					-	-	-		
4.5	0.3	248	23.9	23.9	8.0	8.0	27.2	27.2	94.8	94.6	6.8	6.8	5.4	17	-	-	-	-	-	-	-	-											
8.0	0.3	230	23.9	23.9	8.0	8.0	27.3	27.3	93.5	93.6	6.7	6.7	4.4	20	-	-	-	-	-	-	-	-											
8.0	0.3	232	24.0	24.0	8.0	8.0	27.3	27.3	93.6	93.6	6.8	6.8	4.5	19	-	-	-	-	-	-	-	-											
SR5A	Cloudy	Calm	19:10	4.0	Surface	1.0	0.1	269	23.5	23.5	8.0	8.0	25.3	25.3	91.1	91.1	6.7	6.7	4.2	11	-	-	-	-	816584	810703	-	-	-	-			
						1.0	0.1	271	23.5	23.5	8.0	8.0	25.3	25.3	91.1	91.1	6.7	6.7	4.4	12	-	-	-	-					-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-			
					3.0	0.0	214	23.6	23.6	8.0	8.0	25.9	25.9	92.1	92.2	6.7	6.7	5.5	8	-	-	-	-	-					-				
					3.0	0.0	224	23.6	23.6	8.0	8.0	25.9	25.9	92.2	92.2	6.7	6.7	5.6	7	-	-	-	-	-					-				
					1.0	0.2	277	23.6	23.6	8.0	8.0	25.2	25.2	89.8	89.9	6.6	6.6	3.3	7	-	-	-	-	-					-				
					1.0	0.2	282	23.6	23.6	8.0	8.0	25.2	25.2	89.9	89.9	6.6	6.6	3.3	6	-	-	-	-	-					-				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-				
3.5	0.1	272	23.6	23.6	8.0	8.0	25.2	25.2	90.6	90.7	6.7	6.7	3.5	7	-	-	-	-	-	-													
3.5	0.1	274	23.6	23.6	8.0	8.0	25.2	25.2	90.7	90.7	6.7	6.7	3.5	7	-	-	-	-	-	-													
SR7	Cloudy	Moderate	19:36	16.8	Surface	1.0	0.3	308	24.4	24.4	8.1	8.1	26.9	26.9	90																		



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

Water Quality Monitoring

Water Quality Monitoring Results on 07 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	14:05	8.6	Surface	1.0	0.0	137	23.6	23.6	8.0	8.0	26.0	26.0	89.8	89.8	6.6	6.6	6.4	8	89	93	815596	804246	<0.2	0.9	<0.2	0.9					
						1.0	0.0	156	23.6	8.0	8.0	26.0	26.0	89.8	89.8	6.6	6.6	6.6	9	90	93	<0.2	1.1	<0.2	1.1								
						4.3	0.1	139	23.8	8.0	8.0	26.1	26.1	90.5	90.6	6.6	6.6	7.2	9	93	94	<0.2	1.0	<0.2	1.0								
					Middle	4.3	0.1	139	23.8	8.0	8.0	26.1	26.1	90.6	90.6	6.6	6.6	6.8	9	94	94	<0.2	1.5	<0.2	1.5								
						7.6	0.1	189	23.9	8.0	8.0	27.3	27.3	92.0	92.1	6.6	6.6	7.6	9	94	94	<0.2	1.0	<0.2	1.0								
						7.6	0.1	190	23.9	8.0	8.0	27.3	27.3	92.2	92.2	6.7	6.7	7.1	10	95	95	<0.2	0.9	<0.2	0.9								
					C2	Cloudy	Rough	12:55	7.8	Surface	1.0	0.1	147	23.7	23.7	8.0	8.0	22.0	22.0	92.5	92.5	6.9	6.9	3.7	7	84	88	825695	806939	<0.2	1.5	<0.2	1.5
											1.0	0.1	139	23.7	8.0	8.0	22.0	22.0	92.5	92.5	6.9	6.9	3.7	6	84	88	<0.2	1.6	<0.2	1.6			
											3.9	0.3	169	23.7	8.0	8.0	22.1	22.1	90.9	90.9	6.8	6.8	4.2	7	88	88	<0.2	1.5	<0.2	1.5			
Middle	3.9	0.3	170	23.7						8.0	8.0	22.1	22.1	90.9	90.9	6.8	6.8	4.2	7	88	88	<0.2	1.6	<0.2	1.6								
	6.8	0.6	151	23.7						8.0	8.0	22.1	22.1	91.2	91.3	6.8	6.8	4.3	6	91	91	<0.2	1.6	<0.2	1.6								
	6.8	0.6	153	23.7						8.0	8.0	22.1	22.1	91.3	91.3	6.8	6.8	4.3	7	92	92	<0.2	1.7	<0.2	1.7								
C3	Rainy	Rough	15:23	9.8						Surface	1.0	0.4	60	23.7	23.7	8.0	8.0	24.5	24.5	92.5	92.5	6.8	6.8	3.6	5	83	87	822103	817785	<0.2	1.1	<0.2	1.1
											1.0	0.4	61	23.7	8.0	8.0	24.5	24.5	92.5	92.5	6.8	6.8	3.7	4	84	87	<0.2	1.2	<0.2	1.2			
											4.9	0.5	97	23.7	8.0	8.0	24.5	24.9	92.5	92.5	6.8	6.8	4.4	9	87	87	<0.2	1.0	<0.2	1.0			
					Middle	4.9	0.5	105	23.8	8.0	8.0	25.2	24.9	92.4	92.5	6.8	6.8	4.4	9	87	87	<0.2	1.1	<0.2	1.1								
						8.8	0.2	97	23.8	8.0	8.0	25.8	25.8	92.3	92.4	6.7	6.7	3.7	7	91	91	<0.2	1.2	<0.2	1.2								
						8.8	0.3	100	23.8	8.0	8.0	25.8	25.8	92.5	92.4	6.7	6.7	3.7	6	91	91	<0.2	1.1	<0.2	1.1								
					IM1	Cloudy	Moderate	13:33	5.4	Surface	1.0	0.2	259	23.6	23.6	8.0	8.0	25.9	25.9	90.5	90.5	6.6	6.6	7.1	8	89	91	817948	807155	<0.2	0.9	<0.2	0.9
											1.0	0.2	271	23.6	8.0	8.0	26.0	26.0	90.5	90.5	6.6	6.6	7.2	9	89	91	<0.2	0.9	<0.2	0.9			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	<0.2	-		
	4.4	0.2	135	23.4						23.4	8.0	8.0	26.0	26.0	90.7	90.8	6.6	6.6	7.5	12	92	92	<0.2	0.9	<0.2	0.9							
	4.4	0.2	137	23.4						23.4	8.0	8.0	26.0	26.0	90.9	90.9	6.7	6.7	7.6	12	92	92	<0.2	1.0	<0.2	1.0							
IM2	Cloudy	Moderate	13:26	8.4						Surface	1.0	0.1	295	23.5	23.5	8.0	8.0	25.6	25.6	91.6	91.8	6.7	6.7	6.8	10	88	91	818182	806189	<0.2	0.9	<0.2	0.9
											1.0	0.1	306	23.5	23.5	8.0	8.0	25.6	25.6	91.9	91.9	6.7	6.7	6.8	9	88	91	<0.2	0.9	<0.2	0.9		
											4.2	0.1	243	23.2	23.2	8.0	8.0	25.8	25.8	94.7	94.9	7.0	7.0	7.2	8	92	92	<0.2	1.0	<0.2	1.0		
					Middle	4.2	0.1	246	23.2	23.2	8.0	8.0	25.8	25.8	95.1	95.1	7.0	7.0	7.0	7	92	92	<0.2	0.9	<0.2	0.9							
						7.4	0.2	224	23.5	23.5	8.0	8.0	25.6	25.6	92.1	92.2	6.8	6.8	5.8	8	94	94	<0.2	0.9	<0.2	0.9							
						7.4	0.2	242	23.5	23.5	8.0	8.0	25.6	25.6	92.3	92.2	6.8	6.8	5.7	8	94	94	<0.2	0.9	<0.2	0.9							
					IM3	Cloudy	Moderate	13:19	8.7	Surface	1.0	0.1	232	23.4	23.4	8.0	8.0	24.7	24.7	90.6	90.6	6.7	6.7	5.2	7	88	93	818770	805601	<0.2	0.8	<0.2	0.8
											1.0	0.1	233	23.4	23.4	8.0	8.0	24.7	24.7	90.6	90.6	6.7	6.7	5.1	8	89	93	<0.2	0.9	<0.2	0.9		
											4.4	0.1	235	23.5	23.5	8.0	8.0	24.6	24.6	91.0	91.1	6.7	6.7	5.3	6	92	92	<0.2	1.0	<0.2	1.0		
Middle	4.4	0.1	249	23.5						23.5	8.0	8.0	24.6	24.6	91.1	91.1	6.7	6.7	5.3	8	93	93	<0.2	0.8	<0.2	0.8							
	7.7	0.1	245	23.5						23.5	8.0	8.0	24.6	24.6	92.6	92.9	6.8	6.8	5.1	7	95	95	<0.2	0.9	<0.2	0.9							
	7.7	0.1	248	23.5						23.5	8.0	8.0	24.6	24.6	93.1	92.9	6.9	6.9	5.4	6	96	96	<0.2	0.8	<0.2	0.8							
IM4	Cloudy	Moderate	13:09	8.9						Surface	1.0	0.3	213	23.4	23.4	8.0	8.0	24.0	24.0	90.6	90.6	6.7	6.7	4.3	5	89	92	819733	804590	<0.2	1.0	<0.2	1.0
											1.0	0.3	227	23.4	23.4	8.0	8.0	24.0	24.0	90.6	90.6	6.7	6.7	4.3	6	89	92	<0.2	1.0	<0.2	1.0		
											4.5	0.3	219	23.4	23.4	8.0	8.0	24.1	24.1	90.7	90.7	6.7	6.7	4.2	6	92	93	<0.2	1.2	<0.2	1.2		
					Middle	4.5	0.3	220	23.4	23.4	8.0	8.0	24.1	24.1	90.7	90.7	6.7	6.7	4.1	7	93	93	<0.2	1.1	<0.2	1.1							
						7.9	0.3	203	23.5	23.5	8.0	8.0	24.1	24.1	92.2	92.5	6.8	6.8	4.4	6	95	95	<0.2	1.2	<0.2	1.2							
						7.9	0.3	206	23.5	23.5	8.0	8.0	24.1	24.1	92.8	92.5	6.9	6.9	4.5	5	95	95	<0.2	1.0	<0.2	1.0							
					IM5	Cloudy	Moderate	13:00	8.5	Surface	1.0	0.2	207	23.6	23.6	8.0	8.0	24.5	24.5	90.7	90.8	6.7	6.7	5.1	6	89	93	820739	804861	<0.2	1.1	<0.2	1.1
											1.0	0.2	200	23.6	23.6	8.0	8.0	24.5	24.5	90.8	90.8	6.7	6.7	5.1	7	89	94	<0.2	1.0	<0.2	1.0		
											4.3	0.3	196	23.6	23.6	8.0	8.0	24.7	24.7	91.6	91.7	6.7	6.7	7.1	7	94	94	<0.2	1.2	<0.2	1.2		
Middle	4.3	0.3	199	23.6						23.6	8.0	8.0	24.7	24.7	91.7	91.7	6.8	6.8	7.1	6	94	94	<0.2	1.1	<0.2	1.1							
	7.5	0.2	200	23.6						23.6	8.0	8.0	24.6	24.6	92.9	93.0	6.8	6.8	9.3	9	95	95	<0.2	1.2	<0.2	1.2							
	7.5	0.3	211	23.6						23.6	8.0	8.0	24.6	24.6	93.1	93.0	6.9	6.9	9.4	10	95	95	<0.2	1.1	<0.2	1.1							
IM6	Cloudy	Moderate	12:56	7.8						Surface	1.0	0.1	198	23.6	23.6	8.0	8.0	25.6	25.6	89.8	89.8	6.6	6.6	6.4	9	89	92	821059	805829	<0.2	1.1	<0.2	1.1
											1.0	0.1	199	23.6	23.6	8.0	8.0	25.6	25.6	89.7	89.7	6.6	6.6	6.4	8	90	93	<0.2	1.1	<0.2	1.1		
											3.9	0.5	197	23.7	23.7	8.0	8.0	25.5	25.5	89.7	89.8	6.6	6.6	6.6	11	93	93	<0.2	1.1	<0.2	1.1		
					Middle	3.9	0.5	199	23.7	23.7	8.0	8.0	25.5	25.5	89.8	89.8	6.6	6.6	6.8	12	93	93	<0.2	1.1	<0.2	1.1							
						6.8	0.3	186	23.7	23.7	8.0	8.0	25.7	25.7	90.8	90.9	6.6	6.6	6.8	9	94	94	<0.2	1.1	<0.2	1.1							
						6.8	0.3	199	23.7	23.7	8.0	8.0	25.7	25.7	91.0	90.9	6.6	6.6	6.7	10	94	94	<0.2	1.2	<0.2	1.2							

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

Water Quality Monitoring Results on 07 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA								
IM9	Cloudy	Rough	13:30	8.2	Surface	1.0	0.4	156	23.6	23.6	8.0	8.0	22.4	22.4	91.1	91.2	6.8	6.8	5.4	6	84	88	88	88	822103	808800	<0.2	<0.2	1.4	1.3									
						1.0	0.4	163	23.6	8.0	8.0	22.4	22.4	91.2	91.2	6.8	6.8	5.5	5	84	88	88	88	1.4					1.4										
						4.1	0.6	175	23.6	8.0	8.0	22.7	22.7	91.6	91.6	6.8	6.8	5.3	7	88	88	88	88	1.4					1.4										
					Middle	4.1	0.6	165	23.6	23.6	8.0	8.0	22.7	22.7	91.6	91.6	6.8	6.8	5.3	7	88	88	88	88					1.4	1.4									
						7.2	0.4	165	23.6	23.6	8.0	8.0	23.2	23.2	91.6	91.6	6.8	6.8	6.4	9	91	91	91	91					1.4	1.4									
						7.2	0.5	171	23.6	23.6	8.0	8.0	23.2	23.2	91.7	91.7	6.8	6.8	6.4	10	92	92	92	92					1.4	1.4									
					IM10	Cloudy	Rough	13:38	7.6	Surface	1.0	0.5	149	23.5	23.5	8.0	8.0	22.3	22.3	90.5	90.5	6.8	6.8	4.8					6	83	88	88	88	822391	809776	<0.2	<0.2	1.3	1.3
											1.0	0.5	148	23.5	23.5	8.0	8.0	22.3	22.3	90.5	90.5	6.8	6.8	4.7					7	83	88	88	88					1.3	1.3
											3.8	0.6	169	23.6	23.6	8.0	8.0	22.5	22.5	90.9	90.9	6.8	6.8	6.9					10	88	88	88	88					1.3	1.3
Middle	3.8	0.6	153	23.6						23.6	8.0	8.0	22.5	22.5	90.9	90.9	6.8	6.8	6.9	9	88	88	88	88	1.3	1.3													
	6.6	0.3	167	23.5						23.5	8.0	8.0	22.7	22.7	91.5	91.5	6.8	6.8	5.8	10	91	91	91	91	1.4	1.4													
	6.6	0.3	152	23.5						23.5	8.0	8.0	22.7	22.7	91.5	91.5	6.8	6.8	5.8	9	92	92	92	92	1.4	1.4													
IM11	Cloudy	Rough	13:50	7.4						Surface	1.0	0.4	120	23.5	23.6	8.0	8.0	22.6	22.6	91.6	91.6	6.8	6.8	5.5	8	83	88	88	88	822046	811481	<0.2	<0.2					1.4	1.5
											1.0	0.4	123	23.6	23.6	8.0	8.0	22.6	22.6	91.6	91.6	6.8	6.8	5.5	8	83	88	88	88									1.4	1.5
											3.7	0.3	129	23.6	23.6	8.0	8.0	23.0	22.9	91.0	91.0	6.8	6.8	7.0	8	88	88	88	88									1.4	1.4
					Middle	3.7	0.3	139	23.6	23.6	8.0	8.0	23.0	22.9	90.9	90.9	6.8	6.8	6.9	9	88	88	88	88	1.4	1.4													
						6.4	0.2	118	23.8	23.8	8.0	8.0	23.8	23.8	90.4	90.5	6.7	6.7	5.4	10	91	91	91	91	1.3	1.3													
						6.4	0.2	129	23.8	23.8	8.0	8.0	23.8	23.8	90.5	90.5	6.7	6.7	5.4	10	91	91	91	91	1.3	1.3													
					IM12	Rainy	Rough	14:03	7.5	Surface	1.0	0.4	104	23.7	23.7	8.0	8.0	23.1	23.1	91.0	91.0	6.7	6.7	4.8	6	83	84	88	88					821447	812048	<0.2	<0.2	1.4	1.4
											1.0	0.4	110	23.7	23.7	8.0	8.0	23.1	23.1	91.0	91.0	6.7	6.7	4.8	7	84	88	88	88									1.4	1.4
											3.8	0.2	112	23.8	23.8	8.0	8.0	23.7	23.7	92.1	92.2	6.8	6.8	6.8	9	88	89	92	92									1.3	1.3
Middle	3.8	0.3	118	23.8						23.8	8.0	8.0	23.7	23.7	92.2	92.2	6.8	6.8	6.8	10	89	92	92	92	1.3	1.3													
	6.5	0.2	157	23.6						23.6	8.0	8.0	23.2	23.2	91.5	91.5	6.8	6.8	6.4	9	92	92	92	92	1.3	1.3													
	6.5	0.2	166	23.6						23.6	8.0	8.0	23.2	23.2	91.5	91.5	6.8	6.8	6.4	10	92	92	92	92	1.3	1.3													
SR1A	Rainy	Rough	14:45	3.6						Surface	1.0	-	-	23.6	23.6	8.0	8.0	24.2	24.2	91.2	91.2	6.7	6.7	5.0	10	-	-	-	-	819976	812659	-	-					-	-
											1.0	-	-	23.6	23.6	8.0	8.0	24.2	24.2	91.2	91.2	6.7	6.7	5.0	11	-	-	-	-									-	-
											1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-	-
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-				
						2.6	-	-	23.6	23.6	8.0	8.0	24.2	24.2	91.2	91.2	6.7	6.7	5.0	9	-	-	-	-	-	-	-	-	-										
						2.6	-	-	23.6	23.6	8.0	8.0	24.2	24.2	91.2	91.2	6.7	6.7	5.0	8	-	-	-	-	-	-	-	-	-										
					SR2	Rainy	Rough	15:01	3.3	Surface	1.0	0.5	83	23.7	23.7	8.0	8.0	24.1	24.1	90.4	90.4	6.7	6.7	4.9	8	83	84	88	88					821451	814181	<0.2	<0.2	1.2	1.0
											1.0	0.5	83	23.7	23.7	8.0	8.0	24.1	24.1	90.4	90.4	6.7	6.7	4.9	9	84	88	88	88									1.0	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	2.3	0.2	74	23.6						23.6	8.0	8.0	24.6	24.6	90.4	90.4	6.7	6.7	5.1	10	88	88	88	88	1.1	1.1													
	2.3	0.2	80	23.6						23.6	8.0	8.0	24.6	24.6	90.4	90.4	6.7	6.7	5.1	9	88	88	88	88	1.1	1.1													
SR3	Cloudy	Rough	13:16	7.9						Surface	1.0	0.1	121	23.6	23.6	8.0	8.0	22.0	22.0	90.1	90.1	6.7	6.7	3.8	4	-	-	-	-	822135	807570	-	-					-	-
											1.0	0.2	124	23.6	23.6	8.0	8.0	22.0	22.0	90.1	90.1	6.7	6.7	3.8	5	-	-	-	-									-	-
											4.0	0.3	121	23.7	23.7	8.0	8.0	23.0	23.0	90.3	90.3	6.7	6.7	7.1	10	-	-	-	-									-	-
					Middle	4.0	0.3	132	23.7	23.7	8.0	8.0	23.0	23.0	90.3	90.3	6.7	6.7	7.1	11	-	-	-	-	-	-	-	-											
						6.9	0.3	176	23.7	23.7	8.0	8.0	23.0	23.0	90.3	90.3	6.7	6.7	7.3	14	-	-	-	-	-	-	-												
						6.9	0.3	166	23.7	23.7	8.0	8.0	23.0	23.0	90.3	90.3	6.7	6.7	7.3	15	-	-	-	-	-	-	-												
					SR4A	Cloudy	Moderate	14:17	8.4	Surface	1.0	0.3	57	23.6	23.6	8.0	8.0	26.4	26.4	90.1	90.1	6.6	6.6	9.3	11	-	-	-	-					817182	807805	-	-	-	-
											1.0	0.3	61	23.6	23.6	8.0	8.0	26.4	26.4	90.1	90.1	6.6	6.6	9.2	11	-	-	-	-									-	-
											4.2	0.4	58	23.6	23.6	8.0	8.0	26.1	26.1	89.9	89.9	6.6	6.6	7.9	15	-	-	-	-									-	-
Middle	4.2	0.4	59	23.6						23.6	8.0	8.0	26.1	26.1	89.9	89.9	6.6	6.6	8.1	14	-	-	-	-	-	-	-												
	7.4	0.2	66	23.7						23.7	8.0	8.0	26.6	26.6	90.8	90.9	6.6	6.6	9.9	16	-	-	-	-	-	-													
	7.4	0.3	66	23.7						23.7	8.0	8.0	26.6	26.6	91.0	90.9	6.6	6.6	9.9	15	-	-	-	-	-	-													
SR5A	Cloudy	Calm	14:32	5.6						Surface	1.0	0.2	127	23.3	23.3	8.0	8.0	25.6	25.6	89.9	89.9	6.6	6.6	7.2	10	-	-	-	-	816585	810705	-	-					-	-
											1.0	0.2	131	23.3	23.3	8.0	8.0	25.6	25.6	89.9	89.9	6.6	6.6	7.1	11	-	-	-	-									-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						4.6	0.3	131	23.4	23.3	8.0	8.0	25.6	25.6	91.2	91.4	6.7	6.7	7.8	11	-	-	-	-	-	-													
						4.6	0.3	140	23.2	23.3	8.0	8.0	25.7	25.6	91.6	91.4	6.8	6.8	7.1	12	-	-	-	-	-	-													
					SR6	Cloudy	Calm	14:58	5.8	Surface	1.0	0.1	133	22.6	22.6	8.0	8.0	25.2	25.2	88.7	88.7	6.6	6.6	5.6	8	-	-	-	-					817921	814677	-	-	-	-
											1.0	0.1	135	22.6	22.6	8.0	8.0																						

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

Water Quality Monitoring Results on 07 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	07:42	8.2	Surface	1.0	0.1	29	23.3	8.0	8.0	23.5	23.5	89.0	89.0	6.6	6.7	5.7	7	89	92	815624	804262	<0.2	1.1	<0.2	1.1							
						1.0	0.1	31	23.3	8.0	8.0	23.5	23.5	89.0	89.0	6.6	6.7	5.7	7	89	92	<0.2	1.0											
						4.1	0.3	77	23.3	8.0	8.0	23.3	23.3	89.3	89.3	6.7	6.7	5.3	5	92	93	<0.2	1.1											
					Middle	4.1	0.3	77	23.3	8.0	8.0	23.3	23.3	89.3	89.3	6.7	6.7	5.3	5	93	94	<0.2	1.1											
						7.2	0.2	82	23.3	8.0	8.0	23.6	23.6	90.0	90.1	6.7	6.7	6.1	7	94	95	<0.2	1.1											
						7.2	0.2	83	23.3	8.0	8.0	23.6	23.6	90.1	90.1	6.7	6.7	6.2	6	93	94	<0.2	1.0											
					C2	Cloudy	Rough	08:47	8.0	Surface	1.0	0.2	18	23.9	8.0	8.0	22.2	22.2	91.8	91.8	6.8	6.8	4.1	6	83			87	825678	806937	<0.2	1.4	<0.2	1.6
											1.0	0.2	19	23.9	8.0	8.0	22.2	22.2	91.8	91.8	6.8	6.8	4.1	8	84			87	<0.2	1.3				
											4.0	0.2	31	24.0	8.0	8.0	22.6	22.6	92.2	92.2	6.8	6.8	12.2	10	87			89	<0.2	1.6				
Middle	4.0	0.2	33	24.0						8.0	8.0	22.6	22.6	92.2	92.2	6.8	6.8	12.3	9	87	89	<0.2	1.6											
	7.0	0.5	53	23.9						8.0	8.0	23.2	23.2	91.0	91.0	6.7	6.7	7.7	10	89	91	<0.2	1.9											
	7.0	0.5	54	23.9						8.0	8.0	23.2	23.2	91.0	91.0	6.7	6.7	7.7	10	91	92	<0.2	1.9											
C3	Cloudy	Moderate	06:48	11.6						Surface	1.0	0.6	265	23.8	8.0	8.0	25.2	25.2	91.2	91.2	6.7	6.7	2.7	4	83	88	822108	817810	<0.2	1.3	<0.2	1.2		
											1.0	0.6	268	23.8	8.0	8.0	25.2	25.2	91.2	91.2	6.7	6.7	2.7	2	83	88	<0.2	1.1						
											5.8	0.5	257	23.8	8.0	8.0	25.7	25.7	91.5	91.5	6.7	6.7	8.5	5	88	88	<0.2	1.0						
					Middle	5.8	0.5	267	23.8	8.0	8.0	25.7	25.7	91.4	91.4	6.7	6.7	8.5	6	88	88	<0.2	1.2											
						10.6	0.4	254	23.9	8.0	8.0	27.6	27.6	89.5	89.5	6.4	6.4	4.6	8	91	91	<0.2	1.4											
						10.6	0.5	264	23.9	8.0	8.0	27.6	27.6	89.5	89.5	6.4	6.4	4.6	9	92	92	<0.2	1.2											
					IM1	Cloudy	Calm	07:52	5.4	Surface	1.0	0.2	2	23.3	8.0	8.0	24.1	24.1	90.4	90.4	6.7	6.7	5.0	6	88	91	817925	807133	<0.2	1.3			<0.2	1.4
											1.0	0.2	2	23.3	8.0	8.0	24.1	24.1	90.4	90.4	6.7	6.7	5.1	5	89	91	<0.2	1.5						
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	4.4	0.1	294	23.4						8.0	8.0	24.8	24.8	91.2	91.3	6.7	6.8	5.3	7	93	93	<0.2	1.4											
	4.4	0.1	297	23.3						8.0	8.0	24.9	24.9	91.3	91.3	6.7	6.8	5.1	6	93	93	<0.2	1.4											
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
IM2	Cloudy	Moderate	07:58	8.5						Surface	1.0	0.3	4	23.7	8.0	8.0	24.1	24.1	90.2	90.3	6.7	6.7	7.0	6	89	92	818175	806169	<0.2	1.4	<0.2	1.5		
											1.0	0.3	4	23.7	8.0	8.0	24.1	24.1	90.3	90.3	6.7	6.7	7.5	7	90	92	<0.2	1.5						
											4.3	0.2	359	23.5	8.0	8.0	24.4	24.4	90.2	90.3	6.7	6.7	9.1	5	92	92	<0.2	1.4						
					Middle	4.3	0.2	330	23.5	8.0	8.0	24.4	24.4	90.3	90.3	6.7	6.7	9.0	5	92	92	<0.2	1.5											
						7.5	0.2	29	23.5	8.0	8.0	24.3	24.3	91.1	91.1	6.7	6.7	5.0	7	93	93	<0.2	1.5											
						7.5	0.2	29	23.5	8.0	8.0	24.3	24.3	91.3	91.2	6.8	6.8	5.1	7	94	94	<0.2	1.6											
					IM3	Cloudy	Moderate	08:03	8.9	Surface	1.0	0.3	349	23.6	8.0	8.0	23.8	23.8	89.9	89.9	6.7	6.7	5.2	8	89	92	818789	805600	<0.2	1.4			<0.2	1.3
											1.0	0.3	321	23.6	8.0	8.0	23.8	23.8	89.9	89.9	6.7	6.7	5.2	9	90	93	<0.2	1.3						
											4.5	0.2	28	23.6	8.0	8.0	24.0	24.0	89.8	89.8	6.6	6.6	5.2	10	93	93	<0.2	1.4						
Middle	4.5	0.2	28	23.6						8.0	8.0	24.0	24.0	89.8	89.8	6.6	6.6	5.0	10	93	93	<0.2	1.2											
	7.9	0.3	33	23.7						8.0	8.0	26.6	26.6	90.6	90.6	6.6	6.6	7.7	13	94	94	<0.2	1.4											
	7.9	0.3	34	23.7						8.0	8.0	26.6	26.6	90.8	90.7	6.6	6.6	7.7	12	94	94	<0.2	1.2											
IM4	Cloudy	Moderate	08:12	9.2						Surface	1.0	0.4	339	23.3	8.0	8.0	23.3	23.3	90.3	90.3	6.7	6.7	4.0	5	89	93	819723	804593	<0.2	1.4	<0.2	1.4		
											1.0	0.4	346	23.3	8.0	8.0	23.3	23.3	90.3	90.3	6.7	6.7	4.0	6	90	93	<0.2	1.4						
											4.6	0.3	353	23.4	8.0	8.0	23.3	23.3	90.6	90.7	6.8	6.8	4.4	6	93	94	<0.2	1.2						
					Middle	4.6	0.4	325	23.4	8.0	8.0	23.3	23.3	90.7	90.7	6.8	6.8	4.5	5	94	95	<0.2	1.4											
						8.2	0.2	337	23.4	8.0	8.0	24.2	24.2	92.5	92.9	6.9	6.9	5.1	8	95	95	<0.2	1.4											
						8.2	0.2	310	23.4	8.0	8.0	24.2	24.2	93.2	93.2	6.9	6.9	5.0	9	95	95	<0.2	1.5											
					IM5	Cloudy	Moderate	08:19	7.4	Surface	1.0	0.5	347	23.5	8.0	8.0	22.9	22.9	90.3	90.3	6.7	6.7	4.4	8	89	92	820734	804859	<0.2	1.6			<0.2	1.4
											1.0	0.5	319	23.4	8.0	8.0	22.9	22.9	90.3	90.3	6.7	6.7	4.4	8	90	92	<0.2	1.3						
											3.7	0.4	349	23.4	8.0	8.0	23.2	23.2	90.1	90.1	6.7	6.7	4.4	8	92	93	<0.2	1.4						
Middle	3.7	0.4	321	23.4						8.0	8.0	23.2	23.2	90.1	90.1	6.7	6.7	4.5	9	93	93	<0.2	1.2											
	6.4	0.3	354	23.5						8.0	8.0	26.1	26.1	91.3	91.4	6.7	6.7	7.0	14	94	94	<0.2	1.4											
	6.4	0.4	358	23.4						8.0	8.0	26.1	26.1	91.5	91.5	6.7	6.7	6.3	15	94	94	<0.2	1.4											
IM6	Cloudy	Moderate	08:28	8.1						Surface	1.0	0.3	302	23.5	8.0	8.0	23.4	23.4	89.0	89.0	6.6	6.6	4.8	7	88	92	821056	805842	<0.2	1.5	<0.2	1.4		
											1.0	0.3	329	23.5	8.0	8.0	23.4	23.4	89.0	89.0	6.6	6.6	4.8	7	88	92	<0.2	1.4						
											4.1	0.1	28	23.7	8.0	8.0	23.1	23.1	90.1	90.2	6.7	6.7	4.5	10	92	93	<0.2	1.3						
					Middle	4.1	0.1	29	23.6	8.0	8.0	23.1	23.1	90.2	90.2	6.7	6.7	4.8	9	93	93	<0.2	1.4											
						7.1	0.2	40	23.3	8.0	8.0	25.5	25.5	91.4	91.5	6.7	6.8	12.0	8	94	94	<0.2	1.3											
						7.1	0.2	41	23.2	8.0	8.0	25.5	25.5	91.6	91.6	6.8	6.8	12.0	9	94	94	<0.2	1.4											
					IM7	Cloudy	Moderate	08:33	8.5	Surface	1.0	0.1	341	23.7	7.9	7.9	22.6	22.6	87.8	87.8	6.5	6.5	5.1	7	89	92	821360	806848	<0.2	1.5			<0.2	1.4
											1.0	0.1	314	23.7	7.9	7.9	22.6	22.6	87.8	87.8	6.5	6.5	5.1	6	90	92	<0.2	1.4						
											4.3	0.1	73	23.8	7.9	7.9	22.1	22.1	88.1	88.2	6.6	6.6	7.6	8	92	93	<0.2	1.5						
Middle	4.3	0.1	78	23.7						7.9	7.9	22.1	22.1	88.2	88.2	6.6	6.6	7.5	7	93	93	<0.2	1.3											
	7.5	0.3	75	23.7						7.9	7.9	22.3	22.3	89.7	89.9	6.7	6.7	5.3	8	95	95	<0.2	1.2											
	7.5	0.3	77	23.7						7.9	7.9	22.3	22.3	90.0	90.0	6.7	6.7	5.4	9	95	95	<0.2	1.6											
IM8	Cloudy	Moderate	08:19	8.7						Surface	1.0	0.1	279																					

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

Water Quality Monitoring Results on 07 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA								
IM9	Cloudy	Moderate	08:12	8.0	Surface	1.0	0.2	272	23.8	23.8	8.0	8.0	21.3	21.3	90.1	90.1	6.7	6.7	4.4	4.4	4	83	88	88	822106	808825	<0.2	1.4	<0.2	1.5							
						1.0	0.2	275	23.8	8.0	8.0	21.3	21.3	90.1	90.1	6.7	6.7	4.4	4.4	5	83	88	88	<0.2			1.5	<0.2	1.5								
						4.0	0.3	283	23.9	8.0	8.0	22.0	22.0	89.8	89.8	6.7	6.7	5.0	5.0	10	88	88	88	<0.2			1.5	<0.2	1.5								
					Middle	4.0	0.3	284	23.9	8.0	8.0	22.0	22.0	89.8	89.8	6.7	6.7	5.0	5.0	9	88	88	88	<0.2			1.5	<0.2	1.5								
						7.0	0.3	260	23.9	8.0	8.0	22.4	22.4	90.0	90.0	6.7	6.7	5.6	5.6	10	92	92	92	<0.2			1.7	<0.2	1.7								
						7.0	0.3	263	23.9	8.0	8.0	22.4	22.4	90.0	90.0	6.7	6.7	5.6	5.6	10	92	92	92	<0.2			1.6	<0.2	1.6								
					IM10	Cloudy	Moderate	08:03	8.4	Surface	1.0	0.4	255	23.6	23.6	8.0	8.0	22.0	22.0	91.6	91.6	6.9	6.9	8.1			8.1	6	84	88	88	822384	809804	<0.2	1.6	<0.2	1.6
											1.0	0.4	258	23.6	8.0	8.0	22.0	22.0	91.6	91.6	6.8	6.8	8.1	8.1			7	84	88	88	<0.2			1.6	<0.2	1.6	
											4.2	0.3	228	23.7	8.0	8.0	22.6	22.6	90.8	90.9	6.8	6.8	10.7	10.7			10	88	88	88	<0.2			1.9	<0.2	1.8	
Middle	4.2	0.3	230	23.7						8.0	8.0	22.6	22.6	90.9	90.9	6.8	6.8	10.7	10.7	10	88	88	88	<0.2	1.8	<0.2	1.8										
	7.4	0.2	201	23.6						8.0	8.0	23.6	23.6	91.7	91.8	6.8	6.8	9.1	9.1	12	91	91	91	<0.2	1.6	<0.2	1.6										
	7.4	0.2	216	23.6						8.0	8.0	23.6	23.6	91.9	91.9	6.8	6.8	9.1	9.1	11	92	92	92	<0.2	1.7	<0.2	1.7										
IM11	Cloudy	Moderate	07:52	7.9						Surface	1.0	0.4	298	23.8	23.8	8.0	8.0	24.6	24.6	89.6	89.6	6.6	6.6	6.5	6.5	12	83	87	87	822047	811476			<0.2	1.5	<0.2	1.7
											1.0	0.4	288	23.8	8.0	8.0	24.6	24.6	89.6	89.6	6.6	6.6	6.5	6.5	11	83	87	87	<0.2					1.6	<0.2	1.6	
											4.0	0.3	209	23.8	8.0	8.0	24.7	24.7	90.7	90.7	6.7	6.7	8.1	8.1	12	87	87	87	<0.2					1.6	<0.2	1.6	
					Middle	4.0	0.3	228	23.8	8.0	8.0	24.7	24.7	90.7	90.7	6.7	6.7	8.2	8.2	12	87	87	87	<0.2	1.5	<0.2	1.5										
						6.9	0.0	229	23.8	8.0	8.0	24.8	24.8	90.8	91.0	6.7	6.7	10.2	10.2	16	91	91	91	<0.2	1.6	<0.2	1.6										
						6.9	0.0	235	23.8	8.0	8.0	24.8	24.8	91.1	91.0	6.7	6.7	10.2	10.2	16	92	92	92	<0.2	1.6	<0.2	1.6										
					IM12	Cloudy	Moderate	07:45	8.1	Surface	1.0	0.4	274	23.8	23.8	8.0	8.0	24.8	24.8	91.0	91.0	6.7	6.7	12.5	12.5	11	84	87	87			821477	812060	<0.2	1.5	<0.2	1.6
											1.0	0.5	277	23.8	8.0	8.0	24.8	24.8	91.0	91.0	6.7	6.7	12.5	12.5	12	84	87	87	<0.2					1.6	<0.2	1.6	
											4.1	0.4	259	23.7	8.0	8.0	24.5	24.5	91.2	91.2	6.7	6.7	8.7	8.7	12	87	87	87	<0.2					1.2	<0.2	1.2	
Middle	4.1	0.4	264	23.7						8.0	8.0	24.5	24.5	91.2	91.2	6.7	6.7	8.7	8.7	11	88	88	88	<0.2	1.4	<0.2	1.4										
	7.1	0.2	248	23.7						8.0	8.0	24.8	24.8	90.5	90.6	6.6	6.6	12.3	12.3	22	91	91	91	<0.2	1.3	<0.2	1.3										
	7.1	0.2	259	23.7						8.0	8.0	24.8	24.8	90.7	90.7	6.7	6.7	12.3	12.3	23	91	91	91	<0.2	1.5	<0.2	1.5										
SR1A	Cloudy	Moderate	07:23	5.8						Surface	1.0	-	-	23.6	23.6	8.0	8.0	23.6	23.6	90.0	90.0	6.7	6.7	4.4	4.4	8	-	-	-	819971	812659			-	-	-	-
											1.0	-	-	23.6	23.6	8.0	8.0	23.6	23.6	90.0	90.0	6.7	6.7	4.4	4.4	8	-	-	-					-	-	-	-
											2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						4.8	-	-	23.6	23.6	8.0	8.0	23.9	23.9	91.0	91.1	6.7	6.7	8.6	8.6	14	-	-	-	-	-	-	-	-			-					
						4.8	-	-	23.6	23.6	8.0	8.0	23.9	23.9	91.1	91.1	6.7	6.7	8.6	8.6	12	-	-	-	-	-	-	-	-			-					
					SR2	Cloudy	Moderate	07:11	4.9	Surface	1.0	0.2	290	23.9	23.9	8.0	8.0	24.8	24.8	90.2	90.2	6.6	6.6	7.9	7.9	11	88	88	88			821446	814180	<0.2	1.3	<0.2	1.3
											1.0	0.2	299	23.9	8.0	8.0	24.8	24.8	90.1	90.2	6.6	6.6	7.9	7.9	12	88	88	88	<0.2					1.3	<0.2	1.3	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.9	0.2	303	23.9						8.0	8.0	25.0	25.0	91.4	91.5	6.7	6.7	15.3	15.3	28	91	91	91	<0.2	1.3	<0.2	1.3										
	3.9	0.2	308	23.9						8.0	8.0	25.0	25.0	91.6	91.6	6.7	6.7	15.4	15.4	28	92	92	92	<0.2	1.4	<0.2	1.4										
SR3	Cloudy	Rough	08:27	8.3						Surface	1.0	0.1	102	23.7	23.7	8.0	8.0	21.1	21.1	90.5	90.6	6.8	6.8	2.7	2.7	6	-	-	-	822123	807580			-	-	-	-
											1.0	0.1	108	23.7	8.0	8.0	21.1	21.1	90.6	90.6	6.8	6.8	2.7	2.7	5	-	-	-	-					-	-		
											4.2	0.2	77	23.7	8.0	8.0	21.2	21.2	90.9	90.9	6.8	6.8	4.8	4.8	6	-	-	-	-					-			
					Middle	4.2	0.2	80	23.7	8.0	8.0	21.2	21.2	90.9	90.9	6.8	6.8	4.7	4.7	5	-	-	-	-	-												
						7.3	0.4	76	23.7	8.0	8.0	21.8	21.7	92.6	92.8	6.9	6.9	5.3	5.3	5	-	-	-	-													
						7.3	0.5	82	23.7	8.0	8.0	21.7	21.7	93.0	92.8	7.0	7.0	5.4	5.4	6	-	-	-	-													
					SR4A	Cloudy	Moderate	07:28	9.7	Surface	1.0	0.6	202	23.5	23.5	8.0	8.0	25.3	25.3	89.9	90.0	6.6	6.6	5.8	5.8	10	-	-	-			817190	807828	-	-	-	-
											1.0	0.6	205	23.5	8.0	8.0	25.3	25.3	90.0	90.0	6.6	6.6	5.7	5.7	10	-	-	-	-								
											4.9	0.5	266	23.4	8.0	8.0	25.3	25.3	90.6	90.7	6.7	6.7	6.9	6.9	10	-	-	-	-								
Middle	4.9	0.5	258	23.4						8.0	8.0	25.3	25.3	90.7	90.7	6.7	6.7	6.8	6.8	10	-	-	-	-													
	8.7	0.5	289	23.4						8.0	8.0	25.2	25.2	91.4	91.5	6.7	6.7	9.0	9.0	13	-	-	-	-													
	8.7	0.5	296	23.3						8.0	8.0	25.2	25.2	91.5	91.5	6.8	6.8	9.1	9.1	14	-	-	-	-													
SR5A	Cloudy	Calm	07:08	5.2						Surface	1.0	0.2	260	23.3	23.4	8.0	8.0	24.9	24.9	89.1	89.1	6.6	6.6	6.5	6.5	9	-	-	-	816602	810709			-	-	-	-
											1.0	0.2	264	23.4	8.0	8.0	24.9	24.9	89.0	89.0	6.6	6.6	6.6	6.6	10	-	-	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						4.2	0.2	252	23.3	8.0	8.0	24.9	24.9	90.5	90.6	6.7	6.7	10.9	10.9	11	-	-	-	-													
						4.2	0.2	255	23.3	8.0	8.0	24.9	24.9	90.6	90.6	6.7	6.7	11.0	11.0	12	-	-	-	-													
					SR6	Cloudy	Moderate	06:30	5.6	Surface	1.0	0.0	231	22.8	22.8	8.0	7.9	24.0	24.0	91.0	91.0	6.8	6.8	4.4													

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	15:12	7.9	Surface	1.0	0.1	153	23.7	23.7	8.0	8.0	24.1	24.1	95.9	95.9	7.1	7.1	7.2	8	13	90	93	815617	804250	<0.2	0.6	<0.2	0.7					
						1.0	0.1	154	23.7	23.7	8.0	8.0	24.1	24.1	95.9	95.9	7.1	7.1	7.2	8	13	90	93	815617	804250	<0.2	0.7	<0.2	0.8					
						4.0	0.2	132	23.7	23.7	8.0	8.0	25.8	25.8	95.8	95.8	7.0	7.0	9.2	11	13	93	93	815617	804250	<0.2	0.7	<0.2	0.8					
					Middle	4.0	0.2	132	23.7	23.7	8.0	8.0	25.8	25.8	95.8	95.8	7.0	7.0	9.3	11	13	93	93	815617	804250	<0.2	0.7	<0.2	0.8					
						6.9	0.2	124	23.8	23.8	7.9	7.9	29.2	29.1	94.3	94.3	6.8	6.8	8.4	20	13	95	95	815617	804250	<0.2	0.6	<0.2	0.6					
						6.9	0.2	122	23.8	23.8	7.9	7.9	29.1	29.1	94.3	94.3	6.7	6.8	8.8	20	13	95	95	815617	804250	<0.2	0.6	<0.2	0.6					
					C2	Cloudy	Moderate	14:15	8.4	Surface	1.0	0.4	139	23.5	23.5	8.0	8.0	18.8	18.7	91.3	91.4	7.0	7.0	7.4	6	5	86	87	825702	806926	<0.2	1.4	<0.2	1.4
											1.0	0.4	150	23.5	23.5	8.0	8.0	18.7	18.7	91.4	91.4	7.0	7.0	7.2	5	5	87	89	825702	806926	<0.2	1.4	<0.2	1.2
											4.2	0.4	127	23.4	23.4	7.9	7.9	18.9	18.9	91.8	92.0	7.0	7.0	3.1	5	5	89	90	825702	806926	<0.2	1.1	<0.2	1.2
Middle	4.2	0.5	128	23.4						23.4	7.9	7.9	18.9	18.9	92.2	92.0	7.0	7.0	3.0	4	4	90	92	825702	806926	<0.2	1.1	<0.2	1.1					
	7.4	0.3	120	23.3						23.3	7.9	7.9	19.1	19.1	93.6	94.1	7.2	7.2	2.5	4	4	92	92	825702	806926	<0.2	1.1	<0.2	1.1					
	7.4	0.3	121	23.3						23.3	7.9	7.9	19.1	19.1	94.6	94.1	7.2	7.2	2.4	5	5	92	92	825702	806926	<0.2	0.9	<0.2	0.9					
C3	Cloudy	Moderate	15:58	11.3						Surface	1.0	0.6	95	23.9	23.9	8.0	8.0	23.4	23.4	93.0	93.0	6.9	6.9	5.0	5	4	86	88	822116	817785	<0.2	1.2	<0.2	1.0
											1.0	0.7	98	23.9	23.9	8.0	8.0	23.4	23.4	93.0	93.0	6.9	6.9	4.9	4	4	88	89	822116	817785	<0.2	1.0	<0.2	1.2
											5.7	0.4	127	23.8	23.8	8.0	8.0	24.5	24.5	92.5	92.5	6.8	6.8	5.9	4	4	89	90	822116	817785	<0.2	1.1	<0.2	1.1
					Middle	5.7	0.4	127	23.8	23.8	8.0	8.0	24.5	24.5	92.5	92.5	6.8	6.8	5.8	3	3	89	90	822116	817785	<0.2	1.1	<0.2	1.1					
						10.3	0.1	68	23.9	23.9	8.0	8.0	25.1	25.1	92.8	92.9	6.8	6.8	8.8	4	4	93	93	822116	817785	<0.2	1.4	<0.2	1.4					
						10.3	0.1	71	23.9	23.9	8.0	8.0	25.1	25.1	92.9	92.9	6.8	6.8	8.8	3	3	92	92	822116	817785	<0.2	1.4	<0.2	1.4					
					IM1	Cloudy	Moderate	15:01	5.6	Surface	1.0	0.1	272	23.7	23.7	8.0	8.0	22.8	22.8	94.4	94.4	7.0	7.0	4.1	5	6	89	90	817966	807152	<0.2	1.0	<0.2	0.9
											1.0	0.1	273	23.6	23.6	8.0	8.0	22.8	22.8	94.4	94.4	7.0	7.0	4.4	4	4	90	92	817966	807152	<0.2	0.9	<0.2	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	817966	807152	<0.2	-	<0.2	-	
	4.6	0.1	163	23.6						23.6	8.0	8.0	24.0	24.0	93.9	94.0	6.9	6.9	6.3	7	7	92	92	817966	807152	<0.2	0.8	<0.2	1.0					
	4.6	0.1	164	23.6						23.6	8.0	8.0	24.0	24.0	94.0	94.0	6.9	6.9	6.3	8	8	92	92	817966	807152	<0.2	1.0	<0.2	1.0					
IM2	Cloudy	Moderate	14:55	8.4						Surface	1.0	0.2	242	23.7	23.7	7.9	7.9	22.2	22.2	95.1	95.2	7.1	7.1	9.6	4	6	89	89	818176	806185	<0.2	1.0	<0.2	0.8
											1.0	0.2	254	23.7	23.7	7.9	7.9	22.2	22.2	95.2	95.2	7.1	7.1	9.9	4	4	89	93	818176	806185	<0.2	1.2	<0.2	1.1
											4.2	0.2	255	23.6	23.6	8.0	8.0	22.5	22.5	95.5	95.6	7.1	7.1	5.4	5	6	93	93	818176	806185	<0.2	1.2	<0.2	1.1
					Middle	4.2	0.3	252	23.6	23.6	8.0	8.0	22.5	22.5	95.6	95.6	7.1	7.1	5.4	6	6	93	95	818176	806185	<0.2	1.1	<0.2	1.4					
						7.4	0.3	258	23.6	23.6	7.9	7.9	24.9	24.9	94.3	94.3	6.9	6.9	8.1	8	8	95	95	818176	806185	<0.2	1.4	<0.2	1.5					
						7.4	0.3	261	23.6	23.6	7.9	7.9	24.9	24.9	94.3	94.3	6.9	6.9	8.3	8	8	95	95	818176	806185	<0.2	1.4	<0.2	1.5					
					IM3	Cloudy	Moderate	14:48	8.7	Surface	1.0	0.2	231	23.6	23.6	8.0	8.0	22.3	22.3	94.3	94.3	7.0	7.0	4.2	6	7	89	88	818780	805581	<0.2	1.2	<0.2	1.0
											1.0	0.2	244	23.6	23.6	8.0	8.0	22.3	22.3	94.3	94.3	7.0	7.0	4.3	7	7	88	93	818780	805581	<0.2	1.0	<0.2	1.1
											4.4	0.3	210	23.6	23.6	8.0	8.0	22.8	22.8	94.8	94.9	7.1	7.1	4.6	6	13	93	93	818780	805581	<0.2	1.1	<0.2	1.0
Middle	4.4	0.3	203	23.6						23.6	8.0	8.0	22.8	22.8	94.9	94.9	7.1	7.1	4.6	5	5	93	92	818780	805581	<0.2	1.1	<0.2	1.1					
	7.7	0.3	212	23.7						23.7	7.9	7.9	25.3	25.3	93.4	93.5	6.8	6.9	17.3	27	27	94	94	818780	805581	<0.2	0.5	<0.2	0.7					
	7.7	0.3	208	23.7						23.7	7.9	7.9	25.3	25.3	93.5	93.5	6.9	6.9	17.1	26	26	94	94	818780	805581	<0.2	0.7	<0.2	0.7					
IM4	Cloudy	Moderate	14:39	8.9						Surface	1.0	0.4	223	23.5	23.5	7.9	7.9	21.4	21.4	94.3	94.4	7.1	7.1	4.1	5	5	89	89	819730	804619	<0.2	1.1	<0.2	0.9
											1.0	0.4	224	23.5	23.5	7.9	7.9	21.4	21.4	94.4	94.4	7.1	7.1	4.2	5	5	89	92	819730	804619	<0.2	1.0	<0.2	1.2
											4.5	0.3	209	23.5	23.5	8.0	8.0	21.6	21.6	94.5	94.6	7.1	7.1	9.1	4	4	92	93	819730	804619	<0.2	1.0	<0.2	1.0
					Middle	4.5	0.4	209	23.5	23.5	8.0	8.0	21.6	21.6	94.7	94.6	7.1	7.1	9.0	5	5	93	95	819730	804619	<0.2	1.0	<0.2	1.0					
						7.9	0.3	214	23.6	23.6	7.9	7.9	27.2	27.2	94.1	94.2	6.8	6.8	11.6	6	6	95	95	819730	804619	<0.2	1.0	<0.2	0.9					
						7.9	0.3	200	23.6	23.6	7.9	7.9	27.2	27.2	94.2	94.2	6.8	6.8	11.6	4	4	95	95	819730	804619	<0.2	0.9	<0.2	0.9					
					IM5	Cloudy	Moderate	14:29	8.4	Surface	1.0	0.7	214	23.5	23.5	7.9	7.9	22.4	22.4	93.8	93.7	7.0	7.0	5.0	5	4	89	90	820745	804876	<0.2	1.4	<0.2	1.4
											1.0	0.7	200	23.5	23.5	7.9	7.9	22.4	22.4	93.6	93.6	7.0	7.0	5.1	4	4	90	93	820745	804876	<0.2	1.4	<0.2	1.4
											4.2	0.6	221	23.5	23.5	8.0	8.0	22.7	22.7	93.6	93.7	7.0	7.0	5.2	5	5	93	93	820745	804876	<0.2	1.3	<0.2	1.3
Middle	4.2	0.6	203	23.5						23.5	8.0	8.0	22.7	22.7	93.8	93.7	7.0	7.0	5.1	6	6	93	94	820745	804876	<0.2	1.3	<0.2	1.4					
	7.4	0.5	223	23.5						23.5	8.0	8.0	23.0	23.0	93.2	93.4	6.9	7.0	9.7	6	6	94	93	820745	804876	<0.2	1.4	<0.2	1.4					
	7.4	0.5	224	23.5						23.5	8.0	8.0	23.0	23.0	93.5																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:01	8.1	Surface	1.0	0.5	198	23.6	23.6	8.0	8.0	20.0	20.0	93.4	93.4	7.1	5.3	4	86	89	822083	808828	<0.2	1.5	1.9	1.5	1.7			
						20.0	189	23.6	8.0	8.0	20.0	20.0	93.4	7.1	5.5	5	87	89	<0.2	1.7	2.0										
						4.1	0.6	180	23.7	8.0	8.0	20.4	20.4	92.2	7.0	5.3	5	89	<0.2	2.0	2.2										
					Middle	4.1	0.6	184	23.7	8.0	8.0	20.4	20.4	92.4	7.0	5.6	6	90	<0.2	2.2	2.0										
						7.1	0.4	173	23.7	8.0	8.0	21.6	21.6	92.2	6.9	6.7	6	92	<0.2	2.1	2.0										
						7.1	0.4	178	23.8	8.0	8.0	21.6	21.6	92.2	6.9	6.7	7	91	<0.2	2.0	1.7										
					Bottom	1.0	0.5	188	23.7	23.7	8.0	8.0	19.5	19.5	91.8	6.9	5.4	4	85	<0.2	1.8	1.9									
						1.0	0.5	176	23.7	23.7	8.0	8.0	19.5	19.5	91.8	6.9	5.5	4	87	<0.2	1.9	1.6									
						4.2	0.4	184	23.9	23.9	8.0	8.0	20.2	20.2	92.0	6.9	5.6	5	88	<0.2	1.6	1.5									
Middle	4.2	0.4	172	23.9	23.9	8.0	8.0	20.2	20.2	92.0	6.9	5.7	6	90	<0.2	1.5	1.7														
	7.4	0.4	174	24.2	24.3	8.0	8.0	20.7	20.7	91.9	6.9	6.7	6	93	<0.2	1.6	1.6														
	7.4	0.5	166	24.3	24.3	8.0	8.0	20.6	20.7	92.0	6.8	6.7	6	93	<0.2	1.7	1.7														
Bottom	1.0	0.4	131	23.6	23.6	8.0	8.0	20.5	20.5	90.5	6.8	4.8	6	86	<0.2	2.0	2.0														
	1.0	0.4	132	23.6	23.6	8.0	8.0	20.5	20.5	90.5	6.8	4.8	5	86	<0.2	2.0	2.0														
	3.9	0.1	139	23.7	23.7	8.0	8.0	20.7	20.7	94.7	7.1	8.4	5	89	<0.2	2.1	2.1														
Middle	3.9	0.1	146	23.7	23.7	8.0	8.0	20.7	20.7	94.9	7.1	8.4	6	90	<0.2	2.0	2.0														
	6.8	0.1	133	24.2	24.3	8.0	8.0	20.8	20.8	92.4	6.9	3.9	4	92	<0.2	2.2	2.2														
	6.8	0.1	139	24.3	24.3	8.0	8.0	20.8	20.8	92.5	6.9	3.8	6	92	<0.2	2.1	2.1														
Bottom	1.0	0.3	103	23.8	23.8	8.0	8.0	23.9	23.9	92.7	6.8	6.5	4	86	<0.2	1.9	1.7														
	1.0	0.3	109	23.8	23.8	8.0	8.0	23.9	23.9	92.8	6.8	6.9	5	86	<0.2	1.7	1.7														
	4.0	0.4	104	23.8	23.8	8.0	8.0	24.1	24.1	91.6	6.7	9.3	6	89	<0.2	1.7	1.8														
Middle	4.0	0.4	108	23.8	23.8	8.0	8.0	24.1	24.1	91.8	6.8	9.3	7	90	<0.2	1.5	1.5														
	7.0	0.2	116	23.8	23.8	8.0	8.0	24.5	24.4	91.5	6.7	6.6	9	93	<0.2	1.8	1.8														
	7.0	0.2	120	23.8	23.8	8.0	8.0	24.4	24.4	91.6	6.7	6.8	8	93	<0.2	1.9	1.9														
Bottom	1.0	-	-	23.8	23.8	8.0	8.0	23.9	23.9	90.4	6.7	4.0	4	-	-	-	-														
	1.0	-	-	23.8	23.8	8.0	8.0	23.9	23.9	90.4	6.7	4.0	3	-	-	-	-														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Bottom	4.5	-	-	23.8	23.8	8.0	8.0	23.9	23.9	90.8	6.7	3.7	3	-	-	-	-														
	4.5	-	-	23.8	23.8	8.0	8.0	23.9	23.9	90.9	6.7	3.7	4	-	-	-	-														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR2	Cloudy	Moderate	15:40	5.0	Surface	1.0	0.3	60	23.8	23.8	8.0	8.0	23.3	23.3	90.4	6.7	3.4	6	86	88	821483	814171	<0.2	2.0	2.1						
						1.0	0.3	60	23.8	23.8	8.0	8.0	23.3	23.3	90.4	6.7	3.4	5	87	<0.2	2.1	2.1									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.0	0.2	103	23.8	23.8	8.0	8.0	23.7	23.7	90.0	6.6	4.4	7	90	<0.2	2.0	2.0									
						4.0	0.2	110	23.8	23.8	8.0	8.0	23.7	23.7	90.0	6.6	4.4	7	90	<0.2	2.2	2.2									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR3	Cloudy	Moderate	14:50	7.8	Surface	1.0	0.3	185	23.6	23.6	8.0	8.0	19.3	19.3	92.0	7.0	5.7	5	-	-	822137	807566	-	-	-						
						1.0	0.3	186	23.6	23.6	8.0	8.0	19.3	19.3	92.1	7.0	5.9	5	-	-	-										
						3.9	0.4	194	23.7	23.7	8.0	8.0	19.6	19.6	91.1	6.9	7.3	6	-	-	-										
					Middle	3.9	0.4	196	23.7	23.7	8.0	8.0	19.6	19.6	91.1	6.9	7.4	5	-	-	-	-									
						6.8	0.4	173	23.7	23.7	8.0	8.0	22.6	22.6	91.5	6.8	7.1	8	-	-	-	-									
						6.8	0.4	174	23.7	23.7	8.0	8.0	22.6	22.6	91.5	6.8	7.0	8	-	-	-	-									
					Bottom	1.0	0.5	74	23.6	23.6	8.0	8.0	25.1	25.1	94.8	7.0	9.7	13	-	-	-	-									
						1.0	0.5	74	23.6	23.6	8.0	8.0	25.1	25.1	94.8	7.0	10.0	14	-	-	-	-									
						4.6	0.5	67	23.7	23.7	8.0	8.0	27.1	27.1	93.8	6.8	18.1	24	-	-	-	-									
Middle	4.6	0.5	69	23.7	23.7	8.0	8.0	27.1	27.1	93.7	6.8	18.4	25	-	-	-	-														
	8.2	0.4	61	23.7	23.7	8.0	8.0	25.7	25.7	94.3	6.9	12.6	16	-	-	-	-														
	8.2	0.5	66	23.7	23.7	8.0	8.0	25.7	25.7	94.3	6.9	12.5	18	-	-	-	-														
Bottom	1.0	0.2	61	23.7	23.7	7.9	7.9	24.1	24.1	94.0	6.9	3.9	5	-	-	-	-														
	1.0	0.2	64	23.7	23.7	7.9	7.9	24.1	24.1	94.1	6.9	4.1	5	-	-	-	-														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Bottom	4.6	0.4	89	23.6	23.6	7.9	7.9	24.4	24.4	94.2	6.9	7.9	9	-	-	-	-														
	4.6	0.5	95	23.6	23.6	7.9	7.9	24.4	24.4	94.2	6.9	7.4	10	-	-	-	-														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR6	Cloudy	Calm	16:40	5.5	Surface	1.0	0.1	16	23.7	23.7	7.9	7.9	22.1	22.1	91.9	6.9	4.8	4	-	-	817920	814678	-	-	-						
						1.0	0.1	18	23.7	23.7	7.9	7.9	22.1	22.1	92.0	6.9	4.9	5	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	4.5	0.1	24	23.7	23.7	7.9	7.9	23.4	23.4	89.5	6.6	7.7	6	-	-	-	-									
						4.5	0.1	26	23.7	23.7	7.9	7.9	23.4	23.4	90.0	6.7	7.7	7	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR7	Cloudy	Moderate	16:24	18.3	Surface	1.0	0.7	75	24.0	24.0	8.0	8.0	26.8	26.8	94.4	6.8	6.5	5	-	-	823621	823755	-	-	-						
						1.0	0.7	82	24.0	24.0	8.0	8.0	26.8	26.8	94.5	6.8	6.7	4	-	-	-										
						9.2	0.2	54	24.1	24.1	8.0	8.0	27.3	27.3	93.6	6.7	7.8	6	-	-	-										
					Middle	9.2	0.2	52	24.1	24.1	8.0	8.0	27.3																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
								Value		Value		Value		Value		Value		Value		Value		Value				Value		Value		Value	
C1	Cloudy	Moderate	08:46	8.8	Surface	1.0	0.3	20	23.3	7.9	7.9	20.6	20.6	93.5	93.7	7.1	4.8	5	89	92	815642	804262	<0.2	<0.2	1.7	1.5					
						1.0	0.3	21	23.3	7.9	7.9	20.6	20.6	93.8	93.7	7.1	4.8	5	89	92	815642	804262	<0.2	<0.2	1.5	1.5					
						4.4	0.3	26	23.3	7.9	7.9	21.4	21.4	92.6	92.6	7.0	12.7	7	93	92	815642	804262	<0.2	<0.2	1.5	1.5					
					Middle	4.4	0.3	28	23.3	8.0	8.0	21.4	21.4	92.6	92.6	7.0	12.8	6	94	92	815642	804262	<0.2	<0.2	1.5	1.5					
						7.8	0.2	39	23.5	8.0	8.0	23.9	23.9	92.9	92.9	6.9	9.8	10	94	92	815642	804262	<0.2	<0.2	1.2	1.2					
						7.8	0.2	41	23.5	8.0	8.0	23.9	23.9	93.0	93.0	6.9	9.5	8	95	92	815642	804262	<0.2	<0.2	1.0	1.0					
					C2	Cloudy	Moderate	10:31	12.1	Surface	1.0	0.4	340	23.6	8.0	8.0	19.4	19.4	89.8	89.9	6.8	3.9	5	86	90	825682	806946	<0.2	<0.2	2.2	2.2
											1.0	0.5	351	23.6	8.0	8.0	19.4	19.4	89.9	89.9	6.8	3.9	4	87	90	825682	806946	<0.2	<0.2	2.2	2.2
											6.1	0.5	13	23.6	8.0	8.0	19.7	19.7	89.7	89.8	6.8	5.3	7	89	90	825682	806946	<0.2	<0.2	2.1	2.1
Middle	6.1	0.5	13	23.6						8.0	8.0	19.7	19.7	89.9	89.9	6.8	5.6	6	90	90	825682	806946	<0.2	<0.2	2.0	2.0					
	11.1	0.3	8	23.5						8.0	8.0	21.0	21.0	92.9	93.0	7.0	3.6	6	93	92	825682	806946	<0.2	<0.2	2.1	2.1					
	11.1	0.3	8	23.5						8.0	8.0	21.0	21.0	93.1	93.1	7.0	3.6	6	93	92	825682	806946	<0.2	<0.2	2.0	2.0					
C3	Cloudy	Moderate	08:38	12.1						Surface	1.0	0.4	254	23.4	8.0	8.0	21.5	21.5	92.6	92.6	7.0	5.4	4	85	89	822111	817783	<0.2	<0.2	2.0	2.0
											1.0	0.4	258	23.4	8.0	8.0	21.5	21.5	92.6	92.6	7.0	5.5	5	86	89	822111	817783	<0.2	<0.2	2.1	2.1
											6.1	0.8	263	23.4	8.0	8.0	22.1	22.1	93.1	93.2	7.0	4.3	6	90	90	822111	817783	<0.2	<0.2	1.9	1.9
					Middle	6.1	0.9	274	23.4	8.0	8.0	22.1	22.1	93.3	93.3	7.0	4.6	7	91	91	822111	817783	<0.2	<0.2	2.0	2.0					
						11.1	0.6	275	23.4	8.0	8.0	22.6	22.6	92.2	92.4	6.9	3.9	5	92	92	822111	817783	<0.2	<0.2	2.0	2.0					
						11.1	0.7	291	23.4	8.0	8.0	22.6	22.6	92.5	92.5	6.9	3.9	6	92	92	822111	817783	<0.2	<0.2	2.1	2.1					
					IM1	Cloudy	Moderate	09:06	5.7	Surface	1.0	0.4	42	23.4	7.9	7.9	23.8	23.8	93.9	93.9	7.0	8.1	7	89	91	817949	807153	<0.2	<0.2	1.6	1.6
											1.0	0.4	43	23.4	7.9	7.9	23.8	23.8	93.9	93.9	7.0	8.1	7	90	91	817949	807153	<0.2	<0.2	1.5	1.5
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.7	0.3	345	23.4						7.9	7.9	23.8	23.8	92.7	92.7	6.9	5.2	7	93	92	817949	807153	<0.2	<0.2	1.6	1.6					
	4.7	0.3	358	23.5						7.9	7.9	23.8	23.8	92.7	92.7	6.9	5.0	8	92	92	817949	807153	<0.2	<0.2	1.6	1.6					
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Cloudy	Moderate	09:12	8.2						Surface	1.0	0.4	15	23.4	8.0	8.0	22.9	22.9	93.1	93.0	6.9	5.4	6	89	92	818173	806170	<0.2	<0.2	1.6	1.5
											1.0	0.5	15	23.4	8.0	8.0	22.9	22.9	92.9	92.9	6.9	5.6	6	89	92	818173	806170	<0.2	<0.2	1.5	1.5
											4.1	0.4	357	23.4	8.0	8.0	23.1	23.1	92.7	92.7	6.9	5.8	5	92	92	818173	806170	<0.2	<0.2	1.5	1.5
					Middle	4.1	0.4	328	23.4	8.0	8.0	23.1	23.1	92.7	92.7	6.9	5.8	6	92	92	818173	806170	<0.2	<0.2	1.6	1.6					
						7.2	0.4	9	23.6	7.9	7.9	25.9	25.9	92.7	92.7	6.8	11.1	12	94	94	818173	806170	<0.2	<0.2	1.5	1.5					
						7.2	0.4	9	23.6	7.9	7.9	25.9	25.9	92.7	92.7	6.8	11.0	13	94	94	818173	806170	<0.2	<0.2	1.5	1.5					
					IM3	Cloudy	Moderate	09:19	8.5	Surface	1.0	0.4	348	23.4	8.0	8.0	22.0	22.0	93.5	93.6	7.0	5.9	5	88	92	818766	805608	<0.2	<0.2	1.6	1.5
											1.0	0.4	320	23.4	8.0	8.0	22.0	22.0	93.6	93.6	7.0	5.9	5	89	92	818766	805608	<0.2	<0.2	1.5	1.5
											4.3	0.6	356	23.5	8.0	8.0	24.0	24.0	94.1	94.2	7.0	5.8	6	92	92	818766	805608	<0.2	<0.2	1.5	1.5
Middle	4.3	0.6	328	23.5						8.0	8.0	24.0	24.0	94.3	94.3	7.0	5.6	6	93	92	818766	805608	<0.2	<0.2	1.5	1.5					
	7.5	0.3	346	23.6						7.9	7.9	26.2	26.2	93.2	93.2	6.8	15.2	10	94	94	818766	805608	<0.2	<0.2	1.5	1.5					
	7.5	0.3	318	23.6						7.9	7.9	26.2	26.2	93.2	93.2	6.8	15.0	10	94	94	818766	805608	<0.2	<0.2	1.6	1.6					
IM4	Cloudy	Moderate	09:28	8.8						Surface	1.0	0.6	9	23.4	8.0	8.0	22.0	22.0	92.3	92.4	6.9	4.3	6	88	92	819746	804596	<0.2	<0.2	1.6	1.6
											1.0	0.6	9	23.4	8.0	8.0	22.0	22.0	92.5	92.5	6.9	4.6	5	89	92	819746	804596	<0.2	<0.2	1.6	1.6
											4.4	0.6	356	23.4	8.0	8.0	23.0	23.0	93.2	93.3	7.0	5.0	6	93	92	819746	804596	<0.2	<0.2	1.6	1.6
					Middle	4.4	0.7	328	23.4	8.0	8.0	23.0	23.0	93.3	93.3	7.0	5.1	7	93	92	819746	804596	<0.2	<0.2	1.4	1.4					
						7.8	0.5	357	23.5	7.9	7.9	24.3	24.3	93.2	93.2	6.9	11.1	14	94	94	819746	804596	<0.2	<0.2	1.6	1.6					
						7.8	0.5	357	23.5	7.9	7.9	24.3	24.3	93.2	93.2	6.9	11.2	14	94	94	819746	804596	<0.2	<0.2	1.6	1.6					
					IM5	Cloudy	Moderate	09:35	8.5	Surface	1.0	0.9	12	23.5	7.9	7.9	22.8	22.8	93.6	93.6	7.0	5.4	6	89	92	820745	804875	<0.2	<0.2	1.6	1.7
											1.0	0.9	12	23.5	8.0	8.0	22.8	22.8	93.6	93.6	7.0	5.4	6	89	92	820745	804875	<0.2	<0.2	1.6	1.7
											4.3	0.7	9	23.4	8.0	8.0	23.0	23.0	93.6	93.7	7.0	6.5	7	93	93	820745	804875	<0.2	<0.2	1.6	1.6
Middle	4.3	0.7	9	23.4						8.0	8.0	23.0	23.0	93.7	93.7	7.0	6.6	8	93	92	820745	804875	<0.2	<0.2	1.6	1.6					
	7.5	0.7	8	23.5						8.0	8.0	24.3	24.3	94.1	94.2	7.0	9.8	14	95	95	820745	804875	<0.2	<0.2	1.6	1.6					
	7.5	0.7	8	23.5						8.0	8.0	24.3	24.3	94.2	94.2	7.0	10.1	15	95	95	820745	804875	<0.2	<0.2	1.6	1.6					
IM6	Cloudy	Moderate	09:42	7.8						Surface	1.0	0.4	4	23.6	8.0	8.0	25.6	25.6	92.1	92.2	6.7	12.3	16	90	93	821075	805830	<0.2	<0.2	1.2	1.1
											1.0	0.4	4	23.6	8.0	8.0	25.6	25.6	92.2	92.2	6.8	12.4	17	90	93	821075	805830	<0.2	<0.2	1.2	1.1
											3.9	0.2	17	23.6	8.0	8.0	25.4	25.4	93.7	94.0	6.9	18.2	16	93	93	821075	805830	<0.2	<0.2	1.2	1.2
					Middle	3.9	0.3	18	23.6	8.0	8.0	25.4	25.4	94.2	94.2	6.9	17.9	17	93	93	821075	805830	<0.2	<0.2	1.2	1.2					
						6.8	0.3	27	23.6	7.9	7.9	25.6	25.6	92.7	92.7	6.8	13.5	19	95	95	821075	805830	<0.2	<0.2	1.2	1.3					
						6.8	0.3	28	23.6	7.9	7.9	25.6																			





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

Water Quality Monitoring

Water Quality Monitoring Results on 11 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
								C1	Fine	Moderate	17:22	8.9	Surface	1.0	0.2	211	26.1	8.2	8.2	20.8	20.8	99.6	99.6			7.2	7.2	4.8	4.8	3	3
					Middle	4.5	0.2	229	25.5	8.2	8.2	21.2	21.2	98.0	97.9	7.1	7.1	3.9	3.9	3	5	88	88			<0.2	1.2	<0.2	1.5		
					Bottom	7.9	0.1	234	24.9	8.2	8.2	25.5	25.5	96.0	96.0	6.9	6.9	4.8	4.8	7	8	91	92			<0.2	1.0	<0.2	0.8		
						7.9	0.1	236	24.9	8.2	8.2	25.5	25.5	96.0	96.0	6.9	6.9	4.8	4.8	8	8	92	92			<0.2	0.8	<0.2	0.8		
C2	Sunny	Moderate	16:08	11.8	Surface	1.0	0.2	136	25.1	7.9	7.9	17.5	17.5	93.1	93.1	7.0	7.0	11.1	11.1	2	3	84	88	825692	806938	<0.2	2.3	<0.2	2.3		
					Middle	5.9	0.4	180	24.7	7.9	7.9	17.8	17.9	92.5	92.5	7.0	7.0	5.2	5.2	3	3	89	89			<0.2	2.2	<0.2	2.2		
					Bottom	10.8	0.3	153	24.3	7.8	7.8	21.5	21.5	88.6	88.6	6.6	6.6	4.5	4.5	3	3	90	90			<0.2	2.4	<0.2	2.4		
						10.8	0.4	154	24.4	7.8	7.8	21.5	21.5	88.6	88.6	6.5	6.5	4.3	4.3	3	3	90	90			<0.2	2.3	<0.2	2.3		
C3	Sunny	Moderate	17:37	11.7	Surface	1.0	0.6	99	25.4	8.0	8.0	19.6	19.7	97.3	97.3	7.1	7.1	1.7	1.8	4	3	87	88	822110	817801	<0.2	1.7	<0.2	1.8		
					Middle	5.9	0.4	122	24.8	7.9	7.9	21.7	21.7	95.7	95.8	7.0	7.0	9.3	9.3	3	3	88	88			<0.2	1.8	<0.2	1.8		
					Bottom	10.7	0.1	69	24.9	7.9	7.9	21.9	21.9	95.4	95.4	7.0	7.0	4.3	4.4	3	3	91	91			<0.2	1.8	<0.2	1.8		
						10.7	0.1	73	24.9	7.9	7.9	21.9	21.9	95.4	95.4	7.0	7.0	4.4	4.4	2	2	91	91			<0.2	1.8	<0.2	1.8		
IM1	Fine	Moderate	16:53	5.2	Surface	1.0	0.2	213	25.9	8.2	8.2	21.9	21.9	98.7	98.7	7.1	7.1	2.5	2.5	3	4	83	84	817935	807155	<0.2	1.3	<0.2	1.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	-	<0.2	-	
					Bottom	4.2	0.1	210	25.7	8.2	8.2	22.7	22.7	98.5	98.5	7.1	7.1	4.5	4.6	6	6	92	92			<0.2	0.8	<0.2	0.9		
						4.2	0.1	221	25.7	8.2	8.2	22.7	22.7	98.5	98.5	7.1	7.1	4.6	4.6	6	6	92	92			<0.2	0.9	<0.2	0.9		
IM2	Fine	Moderate	16:47	7.6	Surface	1.0	0.2	238	26.1	8.2	8.2	21.3	21.3	98.8	98.8	7.1	7.1	2.4	2.5	4	4	87	88	818178	806174	<0.2	1.3	<0.2	1.3		
					Middle	3.8	0.3	206	25.4	8.2	8.2	21.7	21.7	97.8	97.7	7.1	7.1	4.0	4.1	3	4	88	89			<0.2	1.4	<0.2	1.4		
					Bottom	6.6	0.2	204	24.9	8.2	8.2	24.7	24.7	96.6	96.6	7.0	7.0	5.8	5.8	4	5	92	92			<0.2	0.9	<0.2	0.9		
						6.6	0.2	201	24.9	8.2	8.2	24.7	24.7	96.6	96.6	7.0	7.0	5.8	5.8	5	5	92	92			<0.2	0.9	<0.2	0.9		
IM3	Fine	Moderate	16:41	7.9	Surface	1.0	0.3	214	25.9	8.2	8.2	21.2	21.2	98.3	98.4	7.1	7.1	2.6	2.6	3	3	83	84	818771	805578	<0.2	1.4	<0.2	1.3		
					Middle	4.0	0.4	221	26.0	8.2	8.2	21.2	21.2	98.8	98.8	7.1	7.1	4.5	4.5	3	3	88	88			<0.2	1.0	<0.2	1.0		
					Bottom	6.9	0.3	219	24.7	8.3	8.3	23.5	23.5	97.8	97.8	7.1	7.1	3.5	3.5	4	4	92	92			<0.2	1.3	<0.2	1.3		
						6.9	0.3	205	24.7	8.3	8.3	23.5	23.5	97.8	97.8	7.1	7.1	3.5	3.5	3	3	92	92			<0.2	1.0	<0.2	1.0		
IM4	Fine	Moderate	16:30	8.6	Surface	1.0	0.4	205	25.3	8.2	8.2	21.4	21.4	96.6	96.7	7.0	7.0	2.7	2.8	4	3	83	84	819739	804606	<0.2	1.5	<0.2	1.4		
					Middle	4.3	0.4	204	25.4	8.2	8.2	21.1	21.1	97.0	96.9	7.1	7.1	2.8	2.8	3	3	88	89			<0.2	1.5	<0.2	1.4		
					Bottom	7.6	0.3	208	24.7	8.2	8.2	24.6	24.6	95.2	95.2	6.9	6.9	4.3	4.3	4	4	91	92			<0.2	1.5	<0.2	1.6		
						7.6	0.3	209	24.7	8.2	8.2	24.6	24.6	95.2	95.2	6.9	6.9	4.3	4.3	3	3	92	92			<0.2	1.6	<0.2	1.6		
IM5	Fine	Moderate	16:20	8.4	Surface	1.0	0.7	200	25.3	8.2	8.2	20.5	20.3	96.5	96.5	7.1	7.1	2.9	2.9	3	4	83	84	820736	804853	<0.2	1.2	<0.2	1.2		
					Middle	4.2	0.6	201	25.3	8.2	8.2	20.0	20.0	96.4	96.4	7.1	7.1	2.7	2.7	4	5	88	88			<0.2	1.1	<0.2	1.1		
					Bottom	7.4	0.3	192	24.7	8.2	8.2	24.7	24.7	94.3	94.4	6.8	6.8	5.3	5.3	4	4	91	91			<0.2	1.1	<0.2	1.1		
						7.4	0.3	194	24.7	8.2	8.2	24.7	24.7	94.4	94.4	6.8	6.8	5.3	5.3	5	5	92	92			<0.2	1.1	<0.2	1.1		
IM6	Fine	Moderate	16:12	8.0	Surface	1.0	0.3	186	25.2	8.1	8.1	17.1	17.1	93.7	93.7	7.0	7.0	3.5	3.5	8	7	84	84	821082	805810	<0.2	1.7	<0.2	1.7		
					Middle	4.0	0.3	193	25.2	8.1	8.1	17.2	17.2	94.1	94.2	7.0	7.0	3.1	3.1	8	8	88	88			<0.2	1.8	<0.2	1.8		
					Bottom	7.0	0.4	188	24.8	8.2	8.2	20.7	20.6	94.8	94.8	7.0	7.0	7.6	7.6	6	6	91	91			<0.2	1.3	<0.2	1.3		
						7.0	0.4	172	24.8	8.2	8.2	20.6	20.6	94.8	94.8	7.0	7.0	7.6	7.6	5	5	92	92			<0.2	1.2	<0.2	1.2		
IM7	Fine	Moderate	16:07	8.2	Surface	1.0	0.1	183	25.1	8.0	8.0	16.8	16.8	92.6	92.6	6.9	6.9	2.6	2.6	7	6	83	83	821330	806858	<0.2	2.1	<0.2	2.0		
					Middle	4.1	0.5	185	25.1	8.1	8.1	16.9	16.9	92.9	93.0	7.0	7.0	3.1	3.1	6	6	87	87			<0.2	2.1	<0.2	2.1		
					Bottom	7.2	0.3	185	24.6	8.1	8.0	19.9	19.9	92.9	93.1	6.9	6.9	3.8	3.8	8	8	91	91			<0.2	1.6	<0.2	1.6		
						7.2	0.3	188	24.6	8.0	8.0	19.9	19.9	93.2	93.1	6.9	6.9	3.8	3.8	7	7	91	91			<0.2	1.6	<0.2	1.6		
IM8	Sunny	Moderate	16:35	7.4	Surface	1.0	0.0	167	24.8	7.9	7.9	19.7	19.7	93.6	93.5	6.9	6.9	12.6	12.0	7	7	85	85	821833	808147	<0.2	2.2	<0.2	2.2		
					Middle	3.7	0.2	161	24.5	7.9	7.9	20.9	20.9	90.8	90.8	6.7	6.7	3.9	4.0	8	8	88	88			<0.2	2.2	<0.2	2.2		
					Bottom	6.4	0.2	168	24.4	7.9	7.9	21.6	21.6	90.6	90.6	6.7	6.7	10.5	10.5	5	5	91	91			<0.2	2.2	<0.2	2.2		
						6.4	0.2	171	24.4	7.9	7.9	21.6	21.6	90.6	90.6	6.7	6.7	10.8	10.8	6	6	90	90			<0.2	2.3	<0.2	2.3		

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Sunny	Moderate	16:41	7.6	Surface	1.0	0.2	151	25.0	25.0	7.9	7.9	19.4	19.4	95.1	95.1	7.0	7.0	8.8	5	84	87	822111	808794	<0.2	2.2	<0.2	2.2							
						1.0	0.3	152	25.0	7.9	7.9	19.4	19.4	95.1	95.1	7.0	7.0	8.9	6	84	87	822111	808794	<0.2	2.2	<0.2	2.2								
						3.8	0.2	148	24.9	7.9	7.9	19.6	19.6	93.9	93.8	7.0	7.0	3.7	5	88	87	822111	808794	<0.2	2.2	<0.2	2.2								
					Middle	3.8	0.2	145	24.9	24.9	7.9	7.9	19.6	19.6	93.7	93.8	6.9	6.9	3.8	6	89	9	88	87	822111	808794	<0.2	2.2	<0.2	2.2					
						6.6	0.2	146	24.8	24.8	7.9	7.9	20.2	20.2	93.4	93.5	6.9	6.9	4.1	7	90	9	89	87	822111	808794	<0.2	2.2	<0.2	2.2					
						6.6	0.2	148	24.8	24.8	7.9	7.9	20.2	20.2	93.5	93.5	6.9	6.9	4.1	7	89	9	89	87	822111	808794	<0.2	2.2	<0.2	2.2					
					IM10	Sunny	Moderate	16:48	7.7	Surface	1.0	0.3	119	24.6	24.6	7.9	7.9	19.4	19.5	91.8	91.6	6.9	6.8	8	8	84	88	822391	809799	<0.2	1.8	<0.2	1.8		
											1.0	0.3	126	24.5	24.5	7.9	7.9	19.5	19.5	91.3	91.3	6.8	6.8	9	9	85	9	88	88	822391	809799	<0.2	1.8	<0.2	1.8
											3.9	0.3	142	24.4	24.4	7.9	7.9	21.8	21.8	90.4	90.4	6.7	7.2	8	8	89	9	89	88	822391	809799	<0.2	1.8	<0.2	1.8
Middle	3.9	0.3	149	24.4						24.4	7.9	7.9	21.8	21.8	90.4	90.4	6.7	7.2	8	8	90	8	89	88	822391	809799	<0.2	1.8	<0.2	1.8					
	6.7	0.1	128	24.3						24.3	7.9	7.9	23.2	23.2	88.8	88.9	6.5	11.1	9	9	90	9	90	88	822391	809799	<0.2	1.8	<0.2	1.8					
	6.7	0.1	129	24.3						24.3	7.9	7.9	23.2	23.2	88.9	88.9	6.5	11.0	9	9	90	9	90	88	822391	809799	<0.2	1.8	<0.2	1.8					
IM11	Sunny	Moderate	16:58	7.4						Surface	1.0	0.3	145	24.9	24.9	7.9	7.9	21.4	21.4	95.2	95.2	7.0	7.0	4.1	4	84	88	822068	811480	<0.2	1.9	<0.2	1.9		
											1.0	0.3	155	24.9	24.9	7.9	7.9	21.4	21.4	95.2	95.2	7.0	7.0	4.2	4	85	5	88	88	822068	811480	<0.2	1.9	<0.2	1.9
											3.7	0.1	164	24.8	24.8	7.9	7.9	21.5	21.5	94.7	94.8	7.0	3.2	5	5	88	5	88	88	822068	811480	<0.2	1.9	<0.2	1.9
					Middle	3.7	0.1	157	24.8	24.8	7.9	7.9	21.5	21.5	94.8	94.8	7.0	3.1	5	5	89	5	88	88	822068	811480	<0.2	1.9	<0.2	1.9					
						6.4	0.1	130	24.8	24.8	7.9	7.9	21.6	21.6	95.1	95.1	7.0	2.6	7	7	91	7	91	88	822068	811480	<0.2	2.0	<0.2	2.0					
						6.4	0.1	133	24.8	24.8	7.9	7.9	21.6	21.6	95.1	95.1	7.0	2.6	7	7	90	7	90	88	822068	811480	<0.2	2.0	<0.2	2.0					
					IM12	Sunny	Moderate	17:05	8.2	Surface	1.0	0.1	122	25.1	25.1	7.9	7.9	21.3	21.3	93.8	93.8	6.9	4.9	5	5	88	90	821453	812044	<0.2	1.8	<0.2	1.8		
											1.0	0.1	135	25.1	25.1	7.9	7.9	21.3	21.3	93.7	93.8	6.9	4.9	5	5	88	5	89	90	821453	812044	<0.2	1.8	<0.2	1.8
											4.1	0.1	143	25.0	25.0	7.9	7.9	21.7	21.7	93.2	93.2	6.8	2.0	5	5	89	5	89	90	821453	812044	<0.2	1.8	<0.2	1.8
Middle	4.1	0.1	150	25.0						25.0	7.9	7.9	21.7	21.7	93.2	93.2	6.8	2.0	5	5	90	5	89	90	821453	812044	<0.2	1.8	<0.2	1.8					
	7.2	0.1	122	24.6						24.6	7.9	7.9	23.0	23.0	92.3	92.4	6.8	7.2	6	6	91	6	91	90	821453	812044	<0.2	1.8	<0.2	1.8					
	7.2	0.1	129	24.6						24.6	7.9	7.9	23.0	23.0	92.5	92.4	6.8	7.1	6	6	91	6	91	90	821453	812044	<0.2	1.8	<0.2	1.8					
SR1A	Sunny	Moderate	17:18	4.7						Surface	1.0	-	-	24.6	24.6	8.0	8.0	21.9	21.9	93.4	93.4	6.9	11.0	5	6	84	-	819979	812664	-	-	-	-		
											1.0	-	-	24.6	24.6	8.0	8.0	21.9	21.9	93.4	93.4	6.9	10.6	6	6	85	-	84	-	819979	812664	-	-	-	-
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812664	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812664	-	-	-	-					
						3.7	-	-	24.6	24.6	7.9	7.9	23.5	23.5	92.7	92.8	6.8	3.7	7	7	91	7	91	-	819979	812664	-	-	-	-					
						3.7	-	-	24.6	24.6	7.9	7.9	23.5	23.5	92.9	92.8	6.8	3.7	7	7	91	7	91	-	819979	812664	-	-	-	-					
					SR2	Sunny	Moderate	17:19	4.3	Surface	1.0	0.3	64	24.6	24.6	7.9	7.9	21.8	21.8	92.0	91.9	6.8	4.4	6	6	84	91	821454	814174	<0.2	1.8	<0.2	1.8		
											1.0	0.3	65	24.6	24.6	7.9	7.9	21.8	21.8	91.7	91.9	6.8	4.4	6	6	85	6	85	91	821454	814174	<0.2	1.8	<0.2	1.8
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821454	814174	<0.2	1.8	<0.2	1.8
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821454	814174	<0.2	1.8	<0.2	1.8					
	3.3	0.2	100	24.2						24.2	7.9	7.9	24.6	24.6	89.4	89.4	6.5	5.2	7	7	89	7	89	91	821454	814174	<0.2	1.8	<0.2	1.8					
	3.3	0.2	103	24.2						24.2	7.9	7.9	24.6	24.6	89.4	89.4	6.5	5.1	6	6	107	6	107	91	821454	814174	<0.2	1.8	<0.2	1.8					
SR3	Sunny	Moderate	16:29	8.5						Surface	1.0	0.0	153	25.1	25.1	7.9	7.9	19.3	19.3	94.7	94.6	7.0	2.6	5	6	84	-	822162	807550	-	-	-	-		
											1.0	0.0	162	25.1	25.1	7.9	7.9	19.3	19.3	94.5	94.6	7.0	2.7	4	4	85	6	85	-	822162	807550	-	-	-	-
											4.3	0.2	173	24.9	24.9	7.9	7.9	19.5	19.5	93.9	93.9	7.0	2.4	6	6	88	6	88	-	822162	807550	-	-	-	-
					Middle	4.3	0.2	177	24.9	24.9	7.9	7.9	19.5	19.5	93.8	93.9	7.0	2.4	5	5	89	6	89	-	822162	807550	-	-	-	-					
						7.5	0.3	156	24.4	24.4	7.9	7.9	20.2	20.2	91.9	91.9	6.8	2.6	7	7	90	7	90	-	822162	807550	-	-	-	-					
						7.5	0.3	156	24.4	24.4	7.9	7.9	20.2	20.2	91.9	91.9	6.8	2.6	6	6	90	6	90	-	822162	807550	-	-	-	-					
					SR4A	Fine	Moderate	17:47	9.2	Surface	1.0	0.4	56	26.4	26.4	8.2	8.2	21.1	21.1	98.8	98.9	7.1	2.4	7	7	84	-	817178	807798	-	-	-	-		
											1.0	0.4	57	26.4	26.4	8.2	8.2	21.1	21.1	98.9	98.9	7.1	2.4	6	6	85	7	85	-	817178	807798	-	-	-	-
											4.6	0.4	68	26.6	26.6	8.2	8.2	21.2	21.2	99.7	99.8	7.1	2.3	8	8	88	7	88	-	817178	807798	-	-	-	-
Middle	4.6	0.4	73	26.6						26.6	8.2	8.2	21.2	21.2	99.8	99.8	7.1	2.3	8	8	89	7	89	-	817178	807798	-	-	-	-					
	8.2	0.4	70	25.6						25.6	8.2	8.2	23.1	23.1	97.3	97.3	7.0	4.4	7	7	91	7	91	-	817178	807798	-	-	-	-					
	8.2	0.4	74	25.6						25.6	8.2	8.2	23.1	23.1	97.2	97.3	7.0	4.4	7	7	91	7	91	-	817178	807798	-	-	-	-					
SR5A	Fine	Moderate	18:02	4.6						Surface	1.0	0.1	139	26.2	26.2	8.2	8.2	21.3	21.3	98.2	98.2	7.0	4.6	5	6										

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

Water Quality Monitoring Results on 11 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)	Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value			DA	Value	DA	Value	DA				
C1	Sunny	Moderate	09:55	7.8	Surface	1.0	0.3	27	25.5	25.5	8.0	8.0	20.8	20.8	96.2	96.2	7.0	3.6	5.0	<2	3	83	87	815627	804233	<0.2	1.4	1.5	1.3				
						1.0	0.3	27	25.5	25.5	8.0	8.0	20.9	20.9	96.2	96.2	7.0	3.6	5.0	<2	3	84	87			<0.2	1.4	1.5	1.3				
						3.9	0.3	28	25.4	25.4	8.1	8.1	21.4	21.4	96.0	96.0	7.0	3.2	5.0	<2	3	87	87			<0.2	1.4	1.5	1.3				
					Middle	3.9	0.3	30	25.3	25.3	8.1	8.1	21.4	21.4	95.9	95.9	7.0	3.2	5.0	<2	3	87	87			<0.2	1.4	1.5	1.3				
						6.8	0.2	27	24.7	24.7	8.1	8.1	26.4	26.4	93.7	93.7	6.7	8.2	4	4	91	91			<0.2	1.0	1.0	2.1					
						6.8	0.2	28	24.7	24.7	8.1	8.1	26.4	26.4	93.7	93.7	6.7	8.3	4	4	92	92			<0.2	1.0	1.0	2.1					
					C2	Sunny	Moderate	11:04	11.8	Surface	1.0	0.2	267	24.8	24.8	7.8	7.8	16.8	16.8	91.6	91.6	6.9	5.3	5.4	2	86	85	825684	806954	<0.2	2.3	2.2	2.3
											1.0	0.2	279	24.8	24.8	7.8	7.8	16.8	16.8	91.6	91.6	6.9	5.3	5.4	4	85	88			<0.2	2.4	2.2	2.3
											5.9	0.2	325	24.8	24.8	7.8	7.8	16.8	16.8	91.7	91.7	6.9	6.8	3	3	88	88			<0.2	2.2	2.2	2.3
Middle	5.9	0.3	334	24.8						24.8	7.8	7.8	16.8	16.8	91.7	91.7	6.9	6.8	3	3	88	88			<0.2	2.3	2.3	2.3					
	10.8	0.4	2	24.5						24.5	7.9	7.9	17.4	17.4	92.6	92.6	7.0	4.0	2	2	91	91			<0.2	2.3	2.3	2.3					
	10.8	0.4	2	24.5						24.5	7.9	7.9	17.4	17.4	92.8	92.8	7.0	4.0	3	3	91	91			<0.2	2.3	2.3	2.3					
C3	Sunny	Moderate	09:24	12.1						Surface	1.0	0.4	271	24.4	24.4	7.9	7.9	18.6	18.6	92.1	92.1	6.9	5.9	4.7	2	86	86	822120	817782	<0.2	1.9	1.9	2.0
											1.0	0.4	294	24.4	24.4	7.9	7.9	18.6	18.6	92.1	92.1	6.9	5.9	4.7	2	86	89			<0.2	1.9	1.9	2.0
											6.1	0.4	269	24.3	24.3	7.9	7.9	21.4	21.4	92.5	92.5	6.9	2.9	3	3	89	87			<0.2	1.9	2.0	2.1
					Middle	6.1	0.4	271	24.3	24.3	7.9	7.9	21.4	21.4	93.2	93.2	6.9	3.0	4	4	87	87			<0.2	2.0	2.0	2.1					
						11.1	0.3	302	24.5	24.5	7.9	7.9	23.1	23.1	91.1	91.1	6.7	5.3	3	3	90	90			<0.2	2.0	2.0	2.1					
						11.1	0.3	316	24.5	24.5	7.9	7.9	23.1	23.1	91.2	91.2	6.7	5.2	2	2	90	90			<0.2	2.1	2.1	2.1					
					IM1	Sunny	Moderate	10:21	4.2	Surface	1.0	0.2	358	25.3	25.3	8.1	8.1	22.3	22.3	95.1	95.0	6.9	2.8	6.9	2	83	84	817928	807116	<0.2	1.4	1.3	1.4
											1.0	0.2	358	25.2	25.2	8.1	8.1	22.3	22.3	94.9	94.9	6.9	2.8	6.9	2	84	84			<0.2	1.3	1.3	1.4
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.2	0.1	0	24.8						24.8	8.1	8.1	26.6	26.6	93.7	93.7	6.7	10.9	2	2	91	91			<0.2	1.4	1.4	1.4					
	3.2	0.1	0	24.8						24.8	8.1	8.1	26.6	26.6	93.7	93.7	6.7	11.0	3	3	91	91			<0.2	1.3	1.3	1.3					
IM2	Sunny	Moderate	10:27	6.9						Surface	1.0	0.4	22	25.3	25.3	8.1	8.1	21.7	21.7	96.4	96.4	7.0	3.3	4.9	3	83	84	818181	806181	<0.2	1.3	1.4	1.3
											1.0	0.5	22	25.3	25.3	8.1	8.1	21.7	21.7	96.4	96.4	7.0	3.3	4.9	3	84	88			<0.2	1.4	1.4	1.3
											3.5	0.4	350	25.2	25.2	8.1	8.1	22.8	22.8	96.3	96.3	7.0	4.4	3	3	88	90			<0.2	1.4	1.4	1.3
					Middle	3.5	0.4	322	25.1	25.1	8.1	8.1	22.8	22.8	96.3	96.3	7.0	4.4	3	3	88	91			<0.2	1.4	1.4	1.3					
						5.9	0.4	11	24.7	24.7	8.0	8.0	25.7	25.7	95.7	95.7	6.9	7.2	4	4	91	91			<0.2	1.0	1.0	1.0					
						5.9	0.4	12	24.7	24.7	8.0	8.0	25.7	25.7	95.7	95.7	6.9	7.2	4	4	92	92			<0.2	1.0	1.0	1.0					
					IM3	Sunny	Moderate	10:33	7.1	Surface	1.0	0.2	332	25.4	25.4	8.1	8.1	20.6	20.6	96.9	97.0	7.1	2.8	3.6	2	84	84	818772	805582	<0.2	1.5	1.3	1.4
											1.0	0.3	353	25.4	25.4	8.1	8.1	20.6	20.6	97.0	97.0	7.1	2.8	3	3	84	89			<0.2	1.6	1.6	1.4
											3.6	0.2	335	25.1	25.1	8.1	8.1	21.4	21.5	97.8	97.9	7.1	3.6	4	4	89	89			<0.2	1.6	1.6	1.4
Middle	3.6	0.2	345	25.0						25.0	8.1	8.1	21.4	21.5	97.9	97.9	7.2	3.6	4	4	89	91			<0.2	1.4	1.4	1.2					
	6.1	0.2	341	24.5						24.5	8.0	8.0	24.6	24.6	95.6	95.6	6.9	4.4	3	3	91	91			<0.2	1.2	1.2	1.2					
	6.1	0.2	314	24.5						24.5	8.0	8.0	24.6	24.6	95.6	95.6	6.9	4.4	3	3	92	92			<0.2	1.2	1.2	1.2					
IM4	Sunny	Moderate	10:42	8.2						Surface	1.0	0.4	346	25.3	25.3	8.1	8.1	20.2	20.2	96.4	96.4	7.1	4.7	7.2	3	83	83	819727	804595	<0.2	1.4	1.5	1.3
											1.0	0.4	318	25.3	25.3	8.1	8.1	20.2	20.2	96.4	96.4	7.1	4.7	3	3	83	88			<0.2	1.5	1.5	1.4
											4.1	0.4	355	25.1	25.1	8.1	8.1	22.2	22.2	95.8	95.8	7.0	8.9	3	3	88	89			<0.2	1.4	1.4	1.0
					Middle	4.1	0.5	327	25.1	25.1	8.1	8.1	22.2	22.2	95.7	95.7	7.0	8.9	3	3	89	92			<0.2	1.0	1.0	1.2					
						7.2	0.2	8	24.6	24.6	8.1	8.1	24.5	24.5	94.6	94.7	6.9	8.0	4	4	92	93			<0.2	1.0	1.0	1.2					
						7.2	0.3	8	24.6	24.6	8.1	8.1	24.5	24.5	94.7	94.7	6.9	8.0	3	3	93	93			<0.2	1.2	1.2	1.2					
					IM5	Sunny	Moderate	10:51	7.9	Surface	1.0	0.5	16	24.8	24.8	8.1	8.1	22.6	22.6	95.0	95.0	6.9	3.3	3.6	3	86	86	820749	804878	<0.2	1.6	1.6	1.5
											1.0	0.6	17	24.8	24.8	8.1	8.1	22.6	22.6	95.0	95.0	6.9	3.4	2	2	86	89			<0.2	1.7	1.7	1.9
											4.0	0.5	20	24.9	24.9	8.1	8.1	22.9	22.9	94.9	94.9	6.9	3.2	2	2	89	90			<0.2	1.9	1.9	1.1
Middle	4.0	0.5	21	24.9						24.9	8.1	8.1	22.9	22.9	94.9	94.9	6.9	3.2	2	2	90	91			<0.2	1.1	1.1	1.1					
	6.9	0.3	35	24.4						24.4	8.1	8.1	24.7	24.7	93.2	93.3	6.8	4.3	4	4	91	92			<0.2	1.1	1.1	1.1					
	6.9	0.4	36	24.4						24.4	8.1	8.1	24.7	24.7	93.3	93.3	6.8	4.3	3	3	92	92			<0.2	1.1	1.1	1.1					
IM6	Sunny	Moderate	10:58	8.0						Surface	1.0	0.4	5	25.2	25.2	8.1	8.1	18.8	18.8	93.8	93.8	7.0	4.1	4.4	3	83	84	821041	805849	<0.2	2.2	2.1	2.0
											1.0	0.4	5	25.2	25.2	8.1	8.1	18.8	18.8	93.8	93.8	7.0	4.1	4	4	84	90			<0.2	2.2	2.2	2.2
											4.0	0.3	46	25.1	25.1	8.1	8.1	19.3	19.3	94.1	94.1	7.0	3.7	5	5	90	90			<0.2	2.2	2.2	2.2
					Middle	4.0	0.3	48	25.1	25.1	8.1	8.1	19.3	19.3	94.1	94.1	7.0	3.8	6	6	90	91			<0.2	2.2	2.2	2.2					
						7.0	0.2	60	24.9	24.9																							

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

Water Quality Monitoring Results on 11 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Sunny	Moderate	10:35	7.8	Surface	1.0	0.2	254	24.6	24.6	7.9	7.9	18.9	18.9	92.2	92.2	6.9	6.9	2.5	3	87	89	822093	808807	<0.2	2.0	<0.2	2.0					
						1.0	0.2	262	24.6	7.9	7.9	18.9	18.9	92.1	92.1	6.9	6.9	2.5	4	86	88	822093	808807	<0.2	2.0	<0.2	2.0						
						3.9	0.1	203	24.4	7.9	7.9	19.9	19.9	90.8	90.8	6.8	6.8	5.0	4	87	88	822093	808807	<0.2	2.0	<0.2	2.0						
					Middle	3.9	0.1	220	24.4	24.4	7.9	7.9	19.9	19.9	90.8	90.8	6.8	6.8	5.0	5	88	89	822093	808807	<0.2	2.0	<0.2	2.0					
						6.8	0.2	245	24.5	24.5	7.9	7.9	19.6	19.6	92.3	92.4	6.9	6.9	11.3	4	93	89	822093	808807	<0.2	1.9	<0.2	1.9					
						6.8	0.2	255	24.5	24.5	7.9	7.9	19.6	19.6	92.5	92.5	6.9	6.9	11.2	3	91	89	822093	808807	<0.2	1.9	<0.2	1.9					
					IM10	Sunny	Moderate	10:29	7.6	Surface	1.0	0.3	299	24.4	24.4	7.9	7.9	19.3	19.3	90.8	90.8	6.8	6.8	2.7	3	86	88	822404	809771	<0.2	1.9	<0.2	1.8
											1.0	0.3	308	24.4	24.4	7.9	7.9	19.3	19.3	90.7	90.7	6.8	6.8	2.7	3	86	88	822404	809771	<0.2	1.8	<0.2	1.8
											3.8	0.4	299	24.3	24.3	7.9	7.9	19.6	19.6	89.7	89.7	6.7	6.7	3.7	3	88	88	822404	809771	<0.2	1.8	<0.2	1.8
Middle	3.8	0.4	325	24.3						24.3	7.9	7.9	19.6	19.6	89.6	89.6	6.7	6.7	3.8	4	89	88	822404	809771	<0.2	2.1	<0.2	2.1					
	6.6	0.3	282	24.3						24.3	7.9	7.9	22.1	22.1	89.3	89.3	6.6	6.6	10.5	5	90	88	822404	809771	<0.2	1.9	<0.2	1.9					
	6.6	0.3	307	24.3						24.3	7.9	7.9	22.1	22.1	89.3	89.3	6.6	6.6	10.5	5	91	88	822404	809771	<0.2	2.0	<0.2	2.0					
IM11	Sunny	Moderate	10:18	7.6						Surface	1.0	0.4	292	24.5	24.5	7.9	7.9	18.0	18.0	91.8	91.8	6.9	6.9	8.2	4	86	88	822056	811473	<0.2	2.0	<0.2	2.0
											1.0	0.4	315	24.5	24.5	7.9	7.9	18.0	18.0	91.7	91.7	6.9	6.9	8.0	3	87	88	822056	811473	<0.2	2.0	<0.2	2.0
											3.8	0.4	296	24.4	24.4	7.9	7.9	19.4	19.4	91.3	91.4	6.8	6.8	10.5	2	88	88	822056	811473	<0.2	2.0	<0.2	2.0
					Middle	3.8	0.4	307	24.4	24.4	7.9	7.9	19.4	19.4	91.4	91.4	6.8	6.8	10.3	2	89	88	822056	811473	<0.2	1.9	<0.2	1.9					
						6.6	0.5	302	24.4	24.4	7.9	7.9	19.8	19.8	92.6	92.7	6.9	6.9	4.2	4	91	88	822056	811473	<0.2	2.0	<0.2	2.0					
						6.6	0.5	314	24.3	24.4	7.9	7.9	19.9	19.8	92.8	92.7	6.9	6.9	4.2	3	90	88	822056	811473	<0.2	2.0	<0.2	2.0					
					IM12	Sunny	Moderate	10:12	8.2	Surface	1.0	0.2	283	24.4	24.4	7.9	7.9	18.4	18.4	91.4	91.5	6.9	6.9	8.4	3	86	88	821460	812025	<0.2	2.0	<0.2	2.1
											1.0	0.2	302	24.4	24.4	7.9	7.9	18.3	18.3	91.5	91.5	6.9	6.9	7.5	4	85	88	821460	812025	<0.2	2.0	<0.2	2.1
											4.1	0.3	284	24.4	24.4	7.9	7.9	18.9	18.9	91.5	91.5	6.9	6.9	5.2	3	88	88	821460	812025	<0.2	1.9	<0.2	1.9
Middle	4.1	0.3	287	24.4						24.4	7.9	7.9	18.9	18.9	91.5	91.5	6.9	6.9	5.3	3	89	88	821460	812025	<0.2	2.1	<0.2	2.1					
	7.2	0.2	297	24.4						24.4	7.9	7.9	19.3	19.3	91.4	91.5	6.8	6.9	11.4	3	90	88	821460	812025	<0.2	2.1	<0.2	2.1					
	7.2	0.2	297	24.4						24.4	7.9	7.9	19.3	19.3	91.6	91.6	6.9	6.9	11.4	3	91	88	821460	812025	<0.2	2.1	<0.2	2.1					
SR1A	Sunny	Moderate	09:56	4.8						Surface	1.0	-	-	24.5	24.5	7.9	7.9	16.9	16.9	90.7	90.7	6.9	6.9	2.9	2	-	-	819970	812657	-	-	-	-
											1.0	-	-	24.5	24.5	7.9	7.9	16.9	16.9	90.6	90.6	6.9	6.9	2.9	3	-	-	819970	812657	-	-	-	-
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819970	812657	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819970	812657	-	-	-	-	-	-	
						3.8	-	-	24.4	24.4	7.9	7.9	18.7	18.7	90.4	90.5	6.8	6.8	3.0	3	-	-	-	-	819970	812657	-	-	-	-			
						3.8	-	-	24.4	24.4	7.9	7.9	18.7	18.7	90.6	90.6	6.8	6.8	3.0	3	-	-	-	-	819970	812657	-	-	-	-			
					SR2	Sunny	Moderate	09:44	4.6	Surface	1.0	0.1	337	24.4	24.4	7.9	7.9	18.7	18.7	89.6	89.6	6.7	6.7	3.5	3	86	87	821453	814142	<0.2	2.0	<0.2	2.0
											1.0	0.1	352	24.4	24.4	7.9	7.9	18.7	18.7	89.5	89.5	6.7	6.7	3.7	4	84	87	821453	814142	<0.2	2.0	<0.2	2.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821453	814142	<0.2	2.0
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821453	814142	<0.2	2.0	<0.2	2.0			
	3.6	0.1	318	24.4						24.4	7.9	7.9	20.8	20.8	88.7	88.7	6.6	6.6	5.6	4	88	87	821453	814142	<0.2	2.0	<0.2	2.0					
	3.6	0.1	345	24.4						24.4	7.9	7.9	20.8	20.8	88.7	88.7	6.6	6.6	6.4	4	89	87	821453	814142	<0.2	2.0	<0.2	2.0					
SR3	Sunny	Moderate	10:47	8.8						Surface	1.0	0.1	238	24.6	24.6	7.9	7.9	17.9	17.9	90.9	90.8	6.8	6.8	2.3	<2	-	-	822141	807571	-	-	-	-
											1.0	0.1	257	24.6	24.6	7.9	7.9	17.9	17.9	90.6	90.6	6.8	6.8	2.4	<2	-	-	822141	807571	-	-	-	-
											4.4	0.2	335	24.4	24.4	7.9	7.9	18.5	18.5	89.2	89.3	6.7	6.7	4.5	3	-	-	822141	807571	-	-	-	-
					Middle	4.4	0.2	347	24.4	24.4	7.9	7.9	18.5	18.5	89.3	89.3	6.7	6.7	4.5	2	-	-	822141	807571	-	-	-	-					
						7.8	0.2	35	24.3	24.3	7.9	7.9	18.8	18.8	91.6	91.9	6.9	6.9	3.5	3	-	-	822141	807571	-	-	-	-					
						7.8	0.2	38	24.3	24.3	7.9	7.9	18.8	18.8	92.2	92.2	6.9	6.9	3.7	3	-	-	822141	807571	-	-	-	-					
					SR4A	Sunny	Moderate	09:26	8.6	Surface	1.0	0.1	212	25.8	25.8	8.0	8.0	20.2	20.2	94.2	94.2	6.8	6.9	3.1	2	-	-	817172	807811	-	-	-	-
											1.0	0.1	228	25.8	25.8	8.0	8.0	20.2	20.2	94.2	94.2	6.9	6.9	3.1	3	-	-	817172	807811	-	-	-	-
											4.3	0.0	219	25.8	25.8	8.0	8.0	20.2	20.2	94.3	94.4	6.9	6.9	3.0	3	-	-	817172	807811	-	-	-	-
Middle	4.3	0.0	228	25.8						25.8	8.0	8.0	20.2	20.2	94.4	94.4	6.9	6.9	3.0	3	-	-	817172	807811	-	-	-	-					
	7.6	0.1	244	24.9						24.9	8.0	8.0	24.0	24.0	93.1	93.1	6.7	6.7	9.6	4	-	-	817172	807811	-	-	-	-					
	7.6	0.2	246	24.9						24.9	8.0	8.0	24.0	24.0	93.1	93.1	6.7	6.7	9.6	5	-	-	817172	807811	-	-	-	-					
SR5A	Sunny	Moderate	09:10	3.6						Surface	1.0	0.1	333	25.5	25.5	8.0	8.0	20.9	20.9	93.7	93.7	6.8	6.8	2.3	4	-	-	816572	810710	-	-	-	-
											1.0	0.1	306	25.5	25.5	8.0	8.0	20.9	20.9	93.7	93.7	6.8	6.8	2.3	5	-	-	816572	810710	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816572	810710	-	-



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

Water Quality Monitoring

Water Quality Monitoring Results on

14 May 19

during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	11:03	7.3	Surface	1.0	0.2	7	26.0	26.0	8.2	8.2	18.0	18.0	116.8	116.7	8.6	8.4	3.0	8	86	87	822099	808812	<0.2	2.1	2.1							
						1.0	0.2	7	26.0	26.0	8.2	8.2	18.0	18.0	116.6	116.7	8.6	8.4	3.1	7	84	87	822099	808812	<0.2	2.1								
						3.7	0.3	64	25.4	25.4	8.1	8.1	19.0	19.0	110.6	110.3	8.2	8.1	5.0	7	87	88	822099	808812	<0.2	2.0								
					Middle	3.7	0.3	69	25.3	25.3	8.1	8.1	19.0	19.0	109.9	110.3	8.1	8.1	5.3	8	88	89	822099	808812	<0.2	2.2								
						6.3	0.2	34	25.3	25.3	8.1	8.1	21.5	21.5	103.2	103.2	7.5	7.5	6.2	6	90	91	822099	808812	<0.2	2.2								
						6.3	0.2	34	25.3	25.3	8.1	8.1	21.5	21.5	103.2	103.2	7.5	7.5	6.2	6	90	91	822099	808812	<0.2	2.2								
					Bottom	1.0	0.2	105	26.0	26.0	8.2	8.2	18.2	18.2	117.2	117.2	8.6	8.4	7	7	84	85	822099	808812	<0.2	1.8								
						1.0	0.3	114	25.9	26.0	8.2	8.2	18.2	18.2	116.7	117.0	8.6	8.3	5.9	7	85	86	822099	808812	<0.2	1.8								
						3.7	0.2	98	25.5	25.5	8.1	8.1	19.2	19.2	109.3	109.1	8.0	4.3	4.8	8	88	89	822099	808812	<0.2	1.9								
IM10	Sunny	Moderate	10:56	7.4	Surface	6.4	0.1	67	25.4	25.4	8.1	8.1	19.2	19.2	103.5	103.5	7.5	7.5	4.2	8	88	89	822375	809815	<0.2	1.8	1.9							
						6.4	0.1	68	25.4	25.4	8.1	8.1	21.2	21.2	103.4	103.5	7.5	7.5	4.2	9	88	89	822375	809815	<0.2	1.9								
						1.0	0.2	134	25.9	25.9	8.2	8.2	19.0	19.0	115.8	115.7	8.5	8.5	3.5	7	85	86	822375	809815	<0.2	1.8								
					Middle	1.0	0.2	135	25.9	25.9	8.2	8.2	19.0	19.0	115.6	115.7	8.4	8.2	3.6	8	85	86	822375	809815	<0.2	1.9								
						3.9	0.1	92	25.4	25.4	8.2	8.2	20.1	20.1	108.7	108.7	8.0	7.3	4.9	8	87	88	822375	809815	<0.2	1.8								
						3.9	0.2	96	25.4	25.4	8.2	8.2	20.1	20.1	108.6	108.7	8.0	7.3	7	86	87	822375	809815	<0.2	1.9									
					Bottom	6.8	0.1	357	25.6	25.6	8.2	8.2	20.2	20.2	107.9	107.7	7.9	3.8	8	89	90	822375	809815	<0.2	1.7									
						6.8	0.1	328	25.6	25.6	8.2	8.2	20.2	20.2	107.5	107.7	7.8	3.6	8	89	90	822375	809815	<0.2	1.6									
						1.0	0.3	191	25.5	25.6	8.2	8.2	20.9	20.9	112.1	112.4	8.1	5.7	10	84	85	822375	809815	<0.2	1.8									
IM11	Sunny	Moderate	10:44	7.8	Surface	1.0	0.3	207	25.6	25.6	8.2	8.2	20.9	20.9	112.7	112.7	8.2	8.3	5.3	10	86	87	822080	811458	<0.2	1.8	1.8							
						4.1	0.3	200	25.8	25.8	8.2	8.2	19.6	19.6	114.5	114.9	8.4	3.6	4.4	10	88	89	822080	811458	<0.2	1.8								
						4.1	0.3	214	25.9	25.9	8.2	8.2	19.5	19.5	114.5	114.9	8.4	3.6	10	89	90	822080	811458	<0.2	1.8									
					Middle	7.1	0.2	232	26.0	26.0	8.2	8.2	18.5	18.5	118.9	118.8	8.7	3.7	10	90	91	822080	811458	<0.2	1.7									
						7.1	0.2	236	26.0	26.0	8.2	8.2	18.5	18.5	118.7	118.8	8.7	3.7	11	88	89	822080	811458	<0.2	1.8									
						1.0	0.2	135	25.9	25.9	8.2	8.2	19.0	19.0	115.6	115.7	8.4	8.2	3.6	8	85	86	822080	811458	<0.2	1.9								
					IM12	Sunny	Moderate	10:35	8.1	Surface	1.0	0.3	207	25.6	25.6	8.2	8.2	20.9	20.9	112.7	112.7	8.2	8.3	5.3	10	86		87	821464	812051	<0.2	1.8	1.8	
											4.1	0.3	200	25.8	25.8	8.2	8.2	19.6	19.6	114.5	114.9	8.4	3.6	4.4	10	88		89	821464	812051	<0.2	1.8		
											4.1	0.3	214	25.9	25.9	8.2	8.2	19.5	19.5	114.5	114.9	8.4	3.6	10	89	90		821464	812051	<0.2	1.8			
Middle	7.1	0.2	232	26.0						26.0	8.2	8.2	18.5	18.5	118.9	118.8	8.7	3.7	10	90	91	821464	812051	<0.2	1.7									
	7.1	0.2	236	26.0						26.0	8.2	8.2	18.5	18.5	118.7	118.8	8.7	3.7	11	88	89	821464	812051	<0.2	1.8									
	1.0	0.3	205	25.6						25.6	8.1	8.1	22.2	22.2	102.1	102.0	7.4	3.8	9	87	88	821464	812051	<0.2	1.8									
SR1A	Sunny	Moderate	10:15	4.8						Surface	1.0	-	-	25.7	25.7	8.2	8.2	19.1	19.1	109.7	109.5	8.0	8.0	3.7	7	-	-	819971	812665	-	-	-		
											1.0	-	-	25.7	25.7	8.2	8.2	19.1	19.1	109.2	109.5	8.0	3.9	8	-	-	819971	812665	-	-				
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	819971	812665	-			-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812665	-	-						
						3.8	-	-	25.7	25.7	8.2	8.2	20.1	20.1	108.4	108.3	7.9	4.1	10	-	-	-	-	819971	812665	-	-							
						3.8	-	-	25.7	25.7	8.2	8.2	20.1	20.1	108.2	108.3	7.9	4.1	9	-	-	-	-	819971	812665	-	-							
					SR2	Sunny	Moderate	10:03	4.3	Surface	1.0	0.3	210	25.6	25.6	8.1	8.1	20.7	20.7	107.9	107.7	7.9	7.9	4.6	7	86	87	821450	814175	<0.2	1.8		1.8	
											1.0	0.3	220	25.6	25.6	8.1	8.1	20.7	20.7	107.5	107.7	7.8	4.5	7	85	86	821450	814175	<0.2	1.8				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814175			<0.2
Middle	3.3	0.4	205	25.6						25.6	8.1	8.1	22.2	22.2	102.1	102.0	7.4	3.8	9	87	88	821450	814175	<0.2	1.8									
	3.3	0.4	208	25.6						25.6	8.1	8.1	22.2	22.2	101.9	102.0	7.4	3.6	9	87	88	821450	814175	<0.2	1.8									
	1.0	0.3	283	25.7						25.7	8.2	8.2	18.4	18.4	115.9	115.9	8.5	5.5	7	-	-	-	-	821450	814175	<0.2	1.8							
SR3	Sunny	Moderate	11:14	8.4						Surface	1.0	0.3	295	25.7	25.7	8.2	8.2	18.4	18.4	115.8	115.9	8.5	8.4	5.6	7	-	-	822147	807580	-	-	-		
											4.2	0.3	252	25.5	25.5	8.2	8.2	18.8	18.8	112.2	112.2	8.3	7.2	9	-	-	-	-	822147	807580	-			-
											4.2	0.4	276	25.5	25.5	8.2	8.2	18.8	18.8	112.1	112.2	8.3	7.2	9	-	-	-	-	822147	807580	-			-
					Middle	7.4	0.3	283	25.3	25.3	8.1	8.1	20.3	20.3	106.5	106.4	7.8	6.3	7	-	-	-	-	822147	807580	-	-							
						7.4	0.3	286	25.3	25.3	8.1	8.1	20.3	20.3	106.2	106.4	7.8	6.9	8	-	-	-	-	822147	807580	-	-							
						1.0	0.1	100	25.4	25.4	8.0	8.0	23.8	23.7	108.4	108.3	7.8	11.0	6	-	-	-	-	822147	807580	-	-							
					SR4A	Sunny	Moderate	09:08	10.0	Surface	1.0	0.1	103	25.4	25.4	8.0	8.0	23.7	23.7	108.4	108.3	7.8	7.7	11.1	6	-	-	817193	807815	-	-		-	
											5.0	0.1	65	24.9	24.9	7.9	7.9	25.6	25.6	104.5	104.4	7.5	11.4	6	-	-	-	-	817193	807815	-			-
											5.0	0.1	65	24.9	24.9	7.9	7.9	25.6	25.6	104.3	104.4	7.5	11.4	7	-	-	-	-	817193	807815	-			-
Middle	9.0	0.2	46	24.9						24.9	7.9	7.9	25.9	25.9	104.8	105.0	7.5	11.6	10	-	-	-	-	817193	807815	-	-							
	9.0	0.2	49	24.9						24.9	7.9	7.9	25.9	25.9	105.2	105.0	7.5	11.7	10	-	-	-	-	817193	807815	-	-							
	1.0	0.1	104	25.8						25.8	8.0	8.0	22.7	22.7	133.3	133.4	9.6	10.0	9	-	-	-	-	817										

Expansion of Hong Kong International Airport into a Three-Runway System  
 Water Quality Monitoring  
 Water Quality Monitoring Results on 14 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
																																			Value
C1	Sunny	Rough	14:57	7.3	Surface	1.0	0.1	71	25.5	25.5	8.1	8.1	24.2	24.1	125.4	124.9	9.0	8.7	9.4	6	83	87	87	87	815617	804234	<0.2	1.4	1.4	1.4					
						1.0	0.1	0	25.5	25.5	8.1	8.1	24.0	24.0	124.3	124.9	8.9	8.7	9.4	6	83	87	87	87	815617	804234	<0.2	1.5	1.5	1.4					
					Middle	3.7	0.1	10	25.1	25.1	8.1	8.1	25.2	25.2	117.7	117.6	8.4	8.4	9.5	6	87	87	87	87	815617	804234	<0.2	1.5	1.5	1.4	1.4				
						3.7	0.1	10	25.1	25.1	8.1	8.1	25.2	25.2	117.5	117.6	8.4	8.4	9.5	6	87	87	87	87	815617	804234	<0.2	1.5	1.5	1.4	1.4				
					Bottom	6.3	0.1	25	24.6	24.6	8.1	8.1	27.5	27.5	110.0	110.8	7.8	7.9	10.0	9	91	91	91	91	815617	804234	<0.2	1.4	1.4	1.4	1.4				
						6.3	0.1	27	24.6	24.6	8.1	8.1	27.5	27.5	111.6	110.8	7.9	7.9	10.0	9	91	91	91	91	815617	804234	<0.2	1.4	1.4	1.4	1.4				
C2	Sunny	Moderate	13:40	12.1	Surface	1.0	0.0	11	25.7	25.7	8.2	8.2	18.3	18.3	119.0	118.8	8.8	8.5	5.7	9	86	87	87	87	825683	806933	<0.2	2.1	2.1	2.1					
						1.0	0.0	12	25.6	25.6	8.2	8.2	18.3	18.3	118.5	118.8	8.7	8.5	5.8	9	87	87	87	87	825683	806933	<0.2	2.0	2.0	2.1					
					Middle	6.1	0.3	14	25.5	25.5	8.2	8.2	19.2	19.2	113.1	113.0	8.3	8.3	6.7	9	88	88	88	88	825683	806933	<0.2	1.8	1.8	1.8	1.8				
						6.1	0.3	15	25.5	25.5	8.2	8.2	19.2	19.2	112.9	113.0	8.3	8.3	6.7	9	88	88	88	88	825683	806933	<0.2	1.8	1.8	1.8	1.8				
					Bottom	11.1	0.6	22	25.2	25.2	8.1	8.1	22.0	22.0	103.3	102.3	7.4	7.4	5.1	9	90	90	90	90	825683	806933	<0.2	2.2	2.2	2.2	2.2				
						11.1	0.7	24	25.2	25.2	8.1	8.1	22.0	22.0	102.2	102.3	7.4	7.4	5.1	9	88	88	88	88	825683	806933	<0.2	2.2	2.2	2.2	2.2				
C3	Sunny	Moderate	15:22	12.3	Surface	1.0	0.2	218	25.8	25.8	8.2	8.2	20.8	20.8	118.2	118.1	8.6	8.3	5.9	12	85	86	86	86	822110	817811	<0.2	1.4	1.4	1.4	1.4				
						1.0	0.2	221	25.8	25.8	8.2	8.2	20.8	20.8	117.9	118.1	8.5	8.3	5.8	12	86	86	86	86	822110	817811	<0.2	1.3	1.3	1.3	1.3				
					Middle	6.2	0.0	221	25.5	25.5	8.2	8.2	21.7	21.7	111.5	111.4	8.1	8.1	8.8	9	87	87	87	87	822110	817811	<0.2	1.6	1.6	1.6	1.6				
						6.2	0.0	235	25.5	25.5	8.2	8.2	21.7	21.7	111.3	111.4	8.1	8.1	9.1	9	88	88	88	88	822110	817811	<0.2	1.2	1.2	1.2	1.2				
					Bottom	11.3	0.2	228	25.2	25.2	8.1	8.1	24.0	24.0	102.5	102.4	7.4	7.4	3.2	8	89	89	89	89	822110	817811	<0.2	1.2	1.2	1.2	1.2				
						11.3	0.2	247	25.2	25.2	8.1	8.1	24.0	24.0	102.3	102.4	7.4	7.4	3.2	7	88	88	88	88	822110	817811	<0.2	1.2	1.2	1.2	1.2				
IM1	Sunny	Moderate	14:23	4.2	Surface	1.0	0.1	3	25.1	25.1	8.0	8.0	24.9	24.9	115.4	115.4	8.3	8.3	9.7	7	83	83	83	83	817938	807155	<0.2	1.3	1.3	1.3	1.3				
						1.0	0.1	3	25.1	25.1	8.1	8.1	24.9	24.9	114.8	115.4	8.2	8.3	9.7	7	83	83	83	83	817938	807155	<0.2	1.3	1.3	1.3	1.3				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.2	0.2	45	25.0	25.0	8.1	8.1	25.6	25.5	114.4	114.7	8.2	8.2	10.4	10.4	9.1	8	91	91	91	91	817938	807155	<0.2	1.3	1.3	1.3	1.3	1.3	
						3.2	0.2	48	25.1	25.1	8.1	8.1	25.3	25.3	114.9	114.7	8.2	8.2	10.4	10.4	9.1	8	92	92	92	92	817938	807155	<0.2	1.3	1.3	1.3	1.3	1.3	
IM2	Sunny	Moderate	14:17	7.8	Surface	1.0	0.1	25	25.6	25.6	8.1	8.1	23.1	23.1	127.4	127.3	9.1	8.2	9.6	10	83	83	83	83	818185	806154	<0.2	1.4	1.4	1.4	1.4				
						1.0	0.1	26	25.6	25.6	8.1	8.1	23.1	23.1	127.1	127.3	9.1	8.2	9.6	9	84	84	84	84	818185	806154	<0.2	1.4	1.4	1.4	1.4				
					Middle	3.9	0.1	23	24.8	24.8	8.0	8.0	25.4	25.4	102.2	102.2	7.3	7.3	10.8	11	88	88	88	88	818185	806154	<0.2	1.2	1.2	1.2	1.2				
						3.9	0.2	24	24.8	24.8	8.0	8.0	25.4	25.4	102.2	102.2	7.3	7.3	10.8	10	88	88	88	88	818185	806154	<0.2	1.3	1.3	1.3	1.3				
					Bottom	6.8	0.0	11	24.6	24.6	8.1	8.1	26.2	26.3	106.1	106.3	7.6	7.6	11.2	9	91	91	91	91	818185	806154	<0.2	1.4	1.4	1.4	1.4				
						6.8	0.0	11	24.6	24.6	8.1	8.1	26.3	26.3	106.5	106.3	7.6	7.6	11.2	10	91	91	91	91	818185	806154	<0.2	1.3	1.3	1.3	1.3				
IM3	Sunny	Moderate	14:12	8.0	Surface	1.0	0.2	27	25.4	25.4	8.1	8.1	22.9	22.9	117.1	116.8	8.4	7.8	7.3	10	83	84	84	84	818804	805594	<0.2	1.3	1.3	1.3	1.3				
						1.0	0.2	28	25.4	25.4	8.1	8.1	22.9	22.9	116.5	116.8	8.4	7.8	7.3	9	84	84	84	84	818804	805594	<0.2	1.3	1.3	1.3	1.3				
					Middle	4.0	0.1	26	24.7	24.7	8.0	8.0	25.6	25.6	99.5	99.6	7.2	7.2	8.6	11	87	87	87	87	818804	805594	<0.2	1.2	1.2	1.2	1.2				
						4.0	0.2	28	24.7	24.7	8.0	8.0	25.6	25.6	99.6	99.6	7.2	7.2	8.6	10	88	88	88	88	818804	805594	<0.2	1.3	1.3	1.3	1.3				
					Bottom	7.0	0.0	23	24.6	24.6	8.0	8.0	26.4	26.4	100.3	100.4	7.2	7.2	11.1	9	91	91	91	91	818804	805594	<0.2	1.3	1.3	1.3	1.3				
						7.0	0.0	23	24.6	24.6	8.0	8.0	26.5	26.4	100.5	100.4	7.2	7.2	11.1	9	92	92	92	92	818804	805594	<0.2	1.4	1.4	1.4	1.4				
IM4	Sunny	Moderate	13:56	8.2	Surface	1.0	0.6	24	25.6	25.6	8.2	8.2	19.8	19.8	132.5	132.2	9.7	8.4	8.6	8	83	84	84	84	819713	804585	<0.2	1.5	1.5	1.5	1.5				
						1.0	0.6	25	25.6	25.6	8.2	8.2	19.8	19.8	131.8	132.2	9.6	8.4	8.6	8	84	84	84	84	819713	804585	<0.2	1.4	1.4	1.4	1.4				
					Middle	4.1	0.2	18	24.6	24.6	8.0	8.0	25.3	25.3	99.6	99.7	7.2	7.2	11.5	8	87	87	87	87	819713	804585	<0.2	1.3	1.3	1.3	1.3				
						4.1	0.2	19	24.6	24.6	8.0	8.0	25.3	25.3	99.7	99.7	7.2	7.2	11.5	7	88	88	88	88	819713	804585	<0.2	1.3	1.3	1.3	1.3				
					Bottom	7.2	0.1	38	24.5	24.5	8.0	8.0	26.6	26.6	102.9	103.1	7.4	7.4	11.0	7	91	91	91	91	819713	804585	<0.2	1.3	1.3	1.3	1.3				
						7.2	0.1	40	24.5	24.5	8.0	8.0	26.6	26.6	103.3	103.1	7.4	7.4	11.0	7	92	92	92	92	819713	804585	<0.2	1.2	1.2	1.2	1.2				
IM5	Sunny	Moderate	13:49	7.9	Surface	1.0	0.5	20	26.8	26.8	8.1	8.1	17.2	17.2	119.3	119.1	8.7	8.3	9.1	6	84	84	84	84	820738	804859	<0.2	1.3	1.3	1.3	1.3				
						1.0	0.6	21	26.8	26.8	8.1	8.1	17.2	17.2	118.8	119.1	8.6	8.3	9.1	7	84	84	84	84	820738	804859	<0.2	1.3	1.3	1.3	1.3				
					Middle	4.0	0.5	17	24.8	24.8																									

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 Water Quality Monitoring  
 Water Quality Monitoring Results on 14 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	14:22	7.5	Surface	1.0	0.6	277	26.0	26.0	8.3	8.3	18.8	18.8	127.9	127.6	9.3	9.3	4.3	4.3	11	11	86	88	822115	808825	<0.2	1.7	1.7	1.7						
						1.0	0.6	275	25.9	25.9	8.3	8.3	18.8	18.8	127.2	127.6	9.3	9.3	4.7	4.7	11	11	85	87	<0.2	1.6	1.6	1.6	1.7							
						3.8	0.4	311	25.9	25.9	8.3	8.3	18.9	18.9	127.2	127.2	9.3	9.3	5.3	5.2	4.7	4.7	11	11	87	89	<0.2	1.8	1.8	1.8	1.7					
					Middle	3.8	0.4	310	25.9	25.9	8.3	8.3	18.9	18.9	127.2	127.2	9.3	9.3	5.2	5.2	4.7	4.7	11	11	87	89	<0.2	1.6	1.6	1.6	1.7					
						6.5	0.2	283	25.7	25.7	8.2	8.2	19.4	19.4	120.2	120.2	8.8	8.8	4.3	4.3	11	11	89	90	<0.2	1.8	1.8	1.8	1.7							
						6.5	0.2	287	25.7	25.7	8.2	8.2	19.4	19.4	119.3	119.3	8.7	8.7	4.3	4.3	12	12	85	85	<0.2	1.6	1.6	1.6	1.7							
IM10	Sunny	Moderate	14:30	7.6	Surface	1.0	0.6	267	26.2	26.2	8.3	8.3	18.7	18.7	130.4	130.2	9.5	9.5	4.4	4.4	11	11	85	88	822397	809786	<0.2	1.7	1.7	1.7						
						1.0	0.7	265	26.1	26.1	8.3	8.3	18.7	18.7	130.0	130.2	9.5	9.5	4.4	4.4	10	10	86	87	<0.2	1.8	1.8	1.8	1.7							
						3.8	0.5	221	25.8	25.8	8.3	8.3	19.1	19.1	127.6	126.4	9.2	9.2	5.1	5.1	12	12	87	89	<0.2	1.7	1.7	1.7	1.7							
					Middle	3.8	0.5	224	25.7	25.7	8.3	8.3	19.1	19.1	125.2	126.4	9.2	9.2	5.1	5.1	12	12	89	90	<0.2	1.8	1.8	1.8	1.7							
						6.6	0.3	233	25.6	25.6	8.2	8.2	19.9	19.9	115.4	115.3	8.4	8.4	5.5	5.5	9	9	90	88	<0.2	1.7	1.7	1.7	1.7							
						6.6	0.3	244	25.6	25.6	8.2	8.2	19.9	19.9	115.2	115.3	8.4	8.4	5.7	5.7	9	9	88	88	<0.2	1.7	1.7	1.7	1.7							
IM11	Sunny	Moderate	14:38	7.8	Surface	1.0	0.6	229	26.0	26.0	8.3	8.3	18.6	18.6	124.5	124.2	9.1	9.1	5.2	5.2	12	12	84	87	822042	811471	<0.2	1.8	1.8	1.8						
						1.0	0.6	224	26.0	26.0	8.3	8.3	18.6	18.6	123.9	124.2	9.1	9.1	5.9	5.9	11	11	85	89	<0.2	1.7	1.7	1.7								
						3.9	0.5	219	25.7	25.7	8.2	8.2	19.7	19.6	114.9	114.8	8.4	8.4	7.0	7.0	10	10	89	88	<0.2	1.6	1.6	1.6								
					Middle	3.9	0.6	228	25.7	25.7	8.2	8.2	19.6	19.6	114.6	114.8	8.4	8.4	7.6	7.6	10	10	88	87	<0.2	1.8	1.8	1.8	1.7							
						6.8	0.4	225	25.5	25.5	8.2	8.2	20.5	20.5	107.1	106.9	7.8	7.8	6.3	6.3	9	9	87	88	<0.2	1.5	1.5	1.5	1.7							
						6.8	0.4	236	25.5	25.5	8.2	8.2	20.5	20.5	106.7	106.9	7.8	7.8	6.8	6.8	10	10	88	88	<0.2	1.7	1.7	1.7	1.7							
IM12	Sunny	Moderate	14:46	8.1	Surface	1.0	0.4	239	26.0	26.0	8.3	8.3	19.2	19.2	131.8	131.8	9.6	9.6	3.7	3.7	8	8	85	87	821442	812048	<0.2	1.6	1.6	1.6						
						1.0	0.4	240	26.0	26.0	8.3	8.3	19.2	19.1	131.7	131.8	9.6	9.6	3.7	3.7	8	8	84	87	<0.2	1.7	1.7	1.7								
						4.1	0.2	242	26.1	26.1	8.3	8.3	19.1	19.1	130.9	130.8	9.5	9.5	3.6	3.6	9	9	87	88	<0.2	1.5	1.5	1.5	1.6							
					Middle	4.1	0.3	244	26.1	26.1	8.3	8.3	19.1	19.1	130.6	130.8	9.5	9.5	3.6	3.6	8	8	88	88	<0.2	1.7	1.7	1.7	1.6							
						7.1	0.2	237	25.4	25.4	8.2	8.2	20.4	20.4	112.8	112.8	8.2	8.2	4.1	4.1	11	11	89	89	<0.2	1.6	1.6	1.6	1.6							
						7.1	0.2	247	25.4	25.4	8.2	8.2	20.4	20.4	112.7	112.8	8.2	8.2	4.1	4.1	12	12	90	89	<0.2	1.5	1.5	1.5	1.6							
SR1A	Sunny	Moderate	14:59	4.8	Surface	1.0	-	-	26.1	26.1	8.3	8.3	19.4	19.4	122.0	122.0	8.9	8.9	8.7	8.7	12	12	-	-	819979	812656	-	-	-	-						
						1.0	-	-	26.1	26.1	8.3	8.3	19.4	19.4	121.9	122.0	8.9	8.9	8.7	8.7	13	13	-	-	-	-	-	-	-	-						
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.8	-	-	25.8	25.8	8.3	8.3	20.2	20.2	115.2	114.8	8.4	8.4	4.8	4.8	12	12	-	-	-	-	-	-	-	-	-	-	-			
						3.8	-	-	25.8	25.8	8.3	8.3	20.2	20.2	114.4	114.8	8.3	8.3	4.7	4.7	11	11	-	-	-	-	-	-	-	-	-	-	-			
SR2	Sunny	Moderate	15:04	4.6	Surface	1.0	0.1	210	26.1	26.1	8.3	8.3	19.4	19.4	126.0	125.8	9.2	9.2	3.6	3.6	11	11	86	87	821483	814176	<0.2	1.5	1.5	1.5						
						1.0	0.1	212	26.0	26.0	8.3	8.3	19.4	19.4	125.6	125.8	9.1	9.1	3.8	3.8	12	12	85	89	<0.2	1.6	1.6	1.6								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.6	0.0	218	25.8	25.8	8.3	8.3	21.0	20.9	118.6	118.9	8.6	8.6	4.5	4.5	12	12	89	88	<0.2	1.6	1.6	1.6	1.6							
						3.6	0.0	225	25.9	25.9	8.3	8.3	20.9	20.9	119.2	118.9	8.6	8.6	4.9	4.9	11	11	88	88	<0.2	1.6	1.6	1.6	1.6							
SR3	Sunny	Moderate	14:09	8.4	Surface	1.0	0.0	65	26.0	26.0	8.2	8.2	18.7	18.7	126.2	126.5	9.2	9.2	4.1	4.1	9	9	9	9	822148	807578	-	-	-	-						
						1.0	0.0	60	25.9	25.9	8.2	8.2	18.7	18.7	126.2	126.5	9.2	9.2	4.1	4.1	9	9	-	-	-	-	-	-	-	-	-					
						4.2	0.1	65	25.6	25.6	8.2	8.2	19.2	19.2	116.1	115.9	8.5	8.5	4.4	4.4	8	8	-	-	-	-	-	-	-	-	-	-				
					Middle	4.2	0.1	67	25.6	25.6	8.2	8.2	19.2	19.2	115.7	115.9	8.5	8.5	4.4	4.4	8	8	-	-	-	-	-	-	-	-	-	-	-			
						7.4	0.4	13	25.5	25.5	8.2	8.2	19.9	19.9	107.8	107.6	7.9	7.9	4.5	4.5	9	9	-	-	-	-	-	-	-	-	-	-	-			
						7.4	0.5	13	25.5	25.5	8.2	8.2	19.9	19.9	107.3	107.6	7.9	7.9	4.5	4.5	10	10	-	-	-	-	-	-	-	-	-	-	-			
SR4A	Sunny	Moderate	15:27	9.3	Surface	1.0	0.3	267	26.1	26.1	8.1	8.1	22.4	22.4	134.3	134.1	9.6	9.6	7.8	7.8	7	7	-	-	817177	807796	-	-	-	-						
						1.0	0.3	276	26.1	26.1	8.1	8.1	22.4	22.4	133.8	134.1	9.6	9.6	7.8	7.8	8	8	-	-	-	-	-	-	-	-	-					
						4.7	0.2	273	24.9	24.9	8.0	8.0	24.8	24.8	99.2	99.3	7.1	7.1	9.6	9.6	7	7	-	-	-	-	-	-	-	-	-					
					Middle	4.7	0.2	274	24.9	24.9	8.0	8.0	24.8	24.8	99.3	99.3	7.1	7.1	9.6	9.6	7	7	-	-	-	-	-	-	-	-	-	-	-			
						8.3	0.1	269	24.8	24.8	8.0	8.0	26.2	26.2	100.7	100.8	7.2	7.2	11.8	11.8	8	8	-	-	-	-	-	-	-	-	-	-	-			
						8.3	0.1	293	24.8	24.8	8.0	8.0	26.2	26.2	100.9	100.8	7.2	7.2	11.8	11.8	8	8	-	-	-	-	-	-	-	-	-	-	-			
SR5A	Sunny	Moderate	15:50	3.6	Surface	1.0	0.2	319	26.3	26.3	8.2	8.2	22.6	22.6	136.0	135.9	9.7																			



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

Water Quality Monitoring Results on 16 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)										
						Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA							
						Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA					
C1	Fine	Moderate	11:35	8.2	Surface	1.0	0.3	239	27.0	27.0	8.1	8.1	19.5	19.5	112.5	112.5	8.0	8.0	4.0	4.0	7	7	92	92	96	815635	804233	<0.2	1.4	<0.2	1.4								
						1.0	0.3	254	27.0	27.0	8.1	8.1	19.5	19.5	112.5	112.5	8.0	8.0	4.0	4.0	7	7	93	93				<0.2	1.4	<0.2	1.4								
						4.1	0.1	230	27.2	27.2	8.1	8.1	19.6	19.6	113.0	113.0	8.0	8.0	4.2	4.2	7	7	96	96				<0.2	1.2	<0.2	1.2								
					Middle	4.1	0.1	240	27.2	27.2	8.1	8.1	19.6	19.6	113.0	113.0	8.0	8.0	4.4	4.4	8	8	96	96				8	8	96	96	<0.2	1.2	<0.2	1.2				
						7.2	0.2	277	27.1	27.1	8.1	8.1	20.5	20.5	111.5	111.4	7.9	7.9	4.6	4.6	9	9	98	98				9	9	98	98	<0.2	1.2	<0.2	1.2				
						7.2	0.2	291	27.1	27.1	8.1	8.1	20.5	20.5	111.3	111.3	7.9	7.9	4.6	4.6	10	10	98	98				10	10	98	98	<0.2	1.2	<0.2	1.2				
					C2	Cloudy	Moderate	12:48	11.8	Surface	1.0	0.3	200	26.0	26.0	8.0	8.0	20.5	20.5	101.6	101.6	7.3	7.3	11.1				11.1	7	7	86	86	89	825683	806963	<0.2	1.4	<0.2	1.4
											1.0	0.3	206	26.0	26.0	8.0	8.0	20.5	20.5	101.6	101.6	7.3	7.3	11.1				11.1	7	7	86	86				<0.2	1.4	<0.2	1.4
											5.9	0.2	221	26.5	26.6	8.0	8.0	20.3	20.3	99.6	99.5	7.2	7.2	7.9				7.9	7	7	90	90				<0.2	1.4	<0.2	1.4
Middle	5.9	0.2	241	26.6						26.6	8.0	8.0	20.3	20.3	99.4	99.4	7.1	7.1	7.7	7.7	7	7	88	88	7	7	88	88	<0.2	1.3	<0.2	1.3							
	10.8	0.9	265	26.1						26.1	8.0	8.0	21.0	21.0	98.8	98.8	7.1	7.1	4.8	4.8	11	11	90	90	11	11	90	90	<0.2	1.4	<0.2	1.4							
	10.8	0.9	275	26.0						26.0	8.0	8.0	21.1	21.0	98.3	98.3	7.1	7.1	4.4	4.4	10	10	91	91	10	10	91	91	<0.2	1.4	<0.2	1.4							
C3	Cloudy	Moderate	10:47	12.3						Surface	1.0	0.2	92	26.5	26.6	8.1	8.1	22.2	22.2	105.9	105.8	7.5	7.5	3.4	3.7	6	7	86	86	88	822094	817781				<0.2	1.3	<0.2	1.3
											1.0	0.2	98	26.6	26.6	8.1	8.1	22.2	22.2	105.7	105.7	7.5	7.5	3.7	3.7	7	7	86	86							<0.2	1.3	<0.2	1.3
											6.2	0.3	62	26.7	26.7	8.1	8.1	22.9	22.9	104.7	104.6	7.4	7.4	3.8	3.8	6	6	88	88							<0.2	1.3	<0.2	1.3
					Middle	6.2	0.4	62	26.7	26.7	8.1	8.1	22.9	22.9	104.5	104.5	7.4	7.4	3.9	3.9	6	6	87	87	6	6	87	87	<0.2				1.3	<0.2	1.3				
						11.3	0.3	46	26.8	26.8	8.1	8.1	24.5	24.5	103.2	103.1	7.2	7.2	4.1	4.1	8	8	89	89	8	8	89	89	<0.2				1.2	<0.2	1.2				
						11.3	0.4	49	26.8	26.8	8.1	8.1	24.5	24.5	102.9	102.9	7.2	7.2	4.1	4.1	9	9	89	89	9	9	89	89	<0.2				1.3	<0.2	1.3				
					IM1	Fine	Calm	11:55	4.9	Surface	1.0	0.2	12	27.9	27.9	8.1	8.1	19.5	19.5	114.5	114.5	8.1	8.1	4.0	4.0	9	9	92	91				93	817971	807150	<0.2	1.6	<0.2	1.6
											1.0	0.2	13	27.9	27.9	8.1	8.1	19.5	19.5	114.4	114.4	8.1	8.1	4.0	4.0	8	8	91	91							<0.2	1.4	<0.2	1.4
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
	3.9	0.1	201	28.0						28.0	8.1	8.1	19.0	19.0	113.6	113.3	8.0	8.0	3.6	3.6	8	8	93	93	8	8	93	93	<0.2	1.4	<0.2	1.4							
	3.9	0.1	203	28.0						28.0	8.1	8.1	19.0	19.0	113.3	113.3	8.0	8.0	3.6	3.6	9	9	94	94	9	9	94	94	<0.2	1.5	<0.2	1.5							
IM2	Fine	Moderate	12:03	6.9						Surface	1.0	0.4	165	26.1	26.1	8.0	8.0	22.1	22.1	103.0	103.0	7.4	7.4	6.3	6.3	11	11	92	92	94	818171	806178				<0.2	1.6	<0.2	1.6
											1.0	0.4	166	26.1	26.1	8.0	8.0	22.1	22.1	102.9	103.0	7.4	7.4	6.3	6.3	11	11	92	92							<0.2	1.7	<0.2	1.7
											3.5	0.3	136	26.8	26.8	8.0	8.0	21.2	21.2	104.3	104.2	7.4	7.4	6.4	6.4	11	11	94	94							<0.2	1.7	<0.2	1.7
					Middle	3.5	0.3	141	26.8	26.8	8.0	8.0	21.2	21.2	104.0	104.0	7.4	7.4	6.5	6.5	11	11	94	94	11	11	94	94	<0.2				1.5	<0.2	1.5				
						5.9	0.2	113	26.6	26.6	8.0	8.0	22.1	22.1	102.4	102.3	7.3	7.3	6.1	6.1	10	10	95	95	10	10	95	95	<0.2				1.4	<0.2	1.4				
						5.9	0.2	114	26.6	26.6	8.0	8.0	22.1	22.1	102.2	102.3	7.3	7.3	6.2	6.2	10	10	96	96	10	10	96	96	<0.2				1.4	<0.2	1.4				
					IM3	Fine	Moderate	12:10	7.2	Surface	1.0	0.1	297	26.8	26.9	8.1	8.1	20.6	20.6	111.0	111.0	7.9	7.9	4.5	4.4	10	11	92	92				93	818773	805612	<0.2	2.0	<0.2	2.0
											1.0	0.1	325	26.9	26.9	8.1	8.1	20.6	20.6	110.9	110.9	7.9	7.9	4.4	4.4	11	11	92	92							<0.2	2.0	<0.2	2.0
											3.6	0.1	28	27.3	27.3	8.1	8.1	19.5	19.5	114.1	114.0	8.1	8.1	4.8	4.8	8	8	93	93							<0.2	2.0	<0.2	2.0
Middle	3.6	0.1	29	27.2						27.2	8.1	8.1	19.5	19.5	113.9	113.9	8.1	8.1	5.1	5.1	7	7	93	93	7	7	93	93	<0.2	1.8	<0.2	1.8							
	6.2	0.2	317	26.7						26.7	8.1	8.1	21.4	21.4	107.0	106.9	7.6	7.6	7.0	7.0	12	12	95	95	12	12	95	95	<0.2	1.8	<0.2	1.8							
	6.2	0.2	320	26.7						26.7	8.1	8.1	21.4	21.4	106.8	106.8	7.6	7.6	6.9	6.9	12	12	95	95	12	12	95	95	<0.2	1.9	<0.2	1.9							
IM4	Fine	Moderate	12:18	7.9						Surface	1.0	0.5	217	26.7	26.7	8.0	8.0	21.4	21.4	105.2	105.2	7.5	7.5	4.6	4.6	9	8	92	93	94	819728	804611				<0.2	1.7	<0.2	1.7
											1.0	0.6	232	26.7	26.7	8.0	8.0	21.4	21.4	105.1	105.1	7.5	7.5	4.6	4.6	8	8	93	93							<0.2	1.8	<0.2	1.8
											4.0	0.4	176	26.8	26.8	8.0	8.0	21.1	21.1	105.5	105.4	7.5	7.5	4.6	4.6	7	7	93	93							<0.2	1.8	<0.2	1.8
					Middle	4.0	0.5	177	26.8	26.8	8.0	8.0	21.1	21.1	105.3	105.3	7.5	7.5	4.6	4.6	6	6	94	94	6	6	94	94	<0.2				1.6	<0.2	1.6				
						6.9	0.2	240	26.9	26.9	8.0	8.0	21.9	21.9	102.8	102.7	7.3	7.3	6.7	6.7	11	11	95	95	11	11	95	95	<0.2				2.0	<0.2	2.0				
						6.9	0.2	245	26.9	26.9	8.0	8.0	21.9	21.9	102.6	102.6	7.3	7.3	6.7	6.7	11	11	95	95	11	11	95	95	<0.2				1.6	<0.2	1.6				
					IM5	Fine	Moderate	12:27	6.9	Surface	1.0	0.6	219	26.8	26.8	8.1	8.1	20.7	20.7	108.8	108.8	7.7	7.7	4.8	4.8	9	9	90	90				92	820752	804861	<0.2	1.7	<0.2	1.7
											1.0	0.7	221	26.8	26.8	8.1	8.1	20.7	20.7	108.8	108.8	7.7	7.7	4.8	4.8	9	9	90	90							<0.2	1.7	<0.2	1.7
											3.5	0.6	211	26.9	26.9	8.1	8.1	20.6	20.6	108.3	108.3	7.7	7.7	6.0	6.0	9	9	93	93							<0.2	1.7	<0.2	1.7
Middle	3.5	0.6	211	26.9						26.9	8.1	8.1	20.6	20.6	108.2	108.3	7.7	7.7	6.2	6.2	10	10	93	93															



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

Water Quality Monitoring Results on 16 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)				
						Speed (m/s)	Direction	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	Value
C1	Fine	Moderate	16:47	8.0	Surface	1.0	0.1	17	26.9	26.9	8.2	8.2	20.3	20.3	118.5	118.4	8.4	8.4	3.1	7	93	94	815617	804266	<0.2	1.5	<0.2	1.4				
						1.0	0.1	18	26.9	26.9	8.2	8.2	20.3	20.3	118.2	118.4	8.4	8.4	3.3	6	93	94	815617	804266	<0.2	1.4	<0.2	1.4				
						4.0	0.1	345	27.6	27.6	8.2	8.2	20.2	20.2	116.9	116.9	8.2	8.2	4.3	7	94	94	815617	804266	<0.2	1.4	<0.2	1.4				
					Middle	4.0	0.1	9	27.6	27.6	8.2	8.2	20.2	20.2	116.8	116.8	8.2	8.2	4.4	7	94	94	815617	804266	<0.2	1.4	<0.2	1.4				
						7.0	0.1	41	27.5	27.5	8.1	8.1	21.8	21.8	108.0	107.9	7.6	7.6	6.6	7	95	95	815617	804266	<0.2	1.4	<0.2	1.4				
						7.0	0.1	44	27.5	27.5	8.1	8.1	21.8	21.8	107.8	107.8	7.5	7.5	6.6	7	96	96	815617	804266	<0.2	1.5	<0.2	1.5				
C2	Cloudy	Moderate	15:43	12.1	Surface	1.0	0.0	14	26.1	26.1	8.0	8.0	20.6	20.6	102.0	102.0	7.4	5.6	6	85	88	825687	806951	<0.2	1.5	<0.2	1.7					
						1.0	0.0	15	26.1	26.1	8.0	8.0	20.6	20.6	101.9	101.9	7.4	5.6	5	85	88	825687	806951	<0.2	1.5	<0.2	1.7					
						6.1	0.3	86	26.1	26.1	8.0	8.0	20.5	20.5	101.5	101.5	7.3	4.8	8	89	88	825687	806951	<0.2	1.7	<0.2	1.7					
					Middle	6.1	0.3	69	26.1	26.1	8.0	8.0	20.6	20.6	101.4	101.4	7.3	4.8	8	88	88	825687	806951	<0.2	1.7	<0.2	1.7					
						11.1	0.7	60	26.2	26.2	8.0	8.0	20.6	20.6	100.7	100.7	7.3	4.6	10	90	89	825687	806951	<0.2	1.8	<0.2	1.8					
						11.1	0.7	63	26.2	26.2	8.0	8.0	20.6	20.6	100.7	100.7	7.3	4.2	9	89	89	825687	806951	<0.2	1.9	<0.2	1.9					
C3	Cloudy	Moderate	17:08	12.6	Surface	1.0	0.2	211	26.4	26.5	8.1	8.1	22.3	22.2	104.6	104.5	7.4	4.2	3	86	86	822108	817809	<0.2	1.8	<0.2	1.8					
						1.0	0.2	226	26.5	26.5	8.1	8.1	22.2	22.2	104.3	104.3	7.4	4.5	<2	3	86	86	822108	817809	<0.2	1.7	<0.2	1.7				
						6.3	0.2	218	26.6	26.7	8.1	8.1	22.5	22.5	103.7	103.7	7.3	4.3	7	90	87	822108	817809	<0.2	1.6	<0.2	1.6					
					Middle	6.3	0.2	237	26.7	26.7	8.1	8.1	22.5	22.5	103.6	103.6	7.3	4.4	6	87	87	822108	817809	<0.2	1.6	<0.2	1.6					
						11.6	0.2	220	26.8	26.8	8.1	8.1	22.9	23.0	101.5	101.3	7.1	4.6	7	92	90	822108	817809	<0.2	1.6	<0.2	1.5					
						11.6	0.2	220	26.8	26.8	8.1	8.1	23.0	23.0	101.1	101.1	7.1	4.4	8	90	90	822108	817809	<0.2	1.5	<0.2	1.5					
IM1	Fine	Moderate	16:29	4.4	Surface	1.0	0.2	20	27.1	27.1	8.2	8.2	19.9	19.9	117.1	117.1	8.3	4.2	7	92	93	817937	807129	<0.2	1.6	<0.2	1.6					
						1.0	0.2	21	27.1	27.1	8.2	8.2	19.9	19.9	117.1	117.1	8.3	4.7	6	93	93	817937	807129	<0.2	1.6	<0.2	1.6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.4	0.1	359	26.5	26.5	8.1	8.1	22.1	22.1	109.3	109.1	7.8	4.2	6	94	94	817937	807129	<0.2	1.6	<0.2	1.7					
						3.4	0.1	330	26.5	26.5	8.1	8.1	22.1	22.1	108.8	108.8	7.7	4.3	5	94	94	817937	807129	<0.2	1.7	<0.2	1.7					
IM2	Fine	Rough	16:22	6.6	Surface	1.0	0.2	57	26.9	26.9	8.1	8.1	19.9	19.9	113.3	113.2	8.1	8.4	8	89	90	818161	806183	<0.2	1.8	<0.2	1.8					
						1.0	0.2	69	26.9	26.9	8.1	8.1	19.9	19.9	113.0	113.0	8.1	8.2	8	90	90	818161	806183	<0.2	1.8	<0.2	1.8					
						3.3	0.2	54	26.7	26.7	8.1	8.1	20.6	20.6	111.0	110.9	7.9	7.3	13	93	93	818161	806183	<0.2	2.1	<0.2	2.1					
					Middle	3.3	0.2	58	26.6	26.6	8.1	8.1	20.6	20.6	110.8	110.8	7.9	7.4	12	93	93	818161	806183	<0.2	1.6	<0.2	1.6					
						5.6	0.1	22	26.1	26.1	8.0	8.0	22.2	22.2	101.4	101.4	7.2	8.1	8	95	95	818161	806183	<0.2	1.7	<0.2	1.7					
						5.6	0.1	23	26.1	26.1	8.0	8.0	22.2	22.2	101.2	101.3	7.2	9.2	9	95	95	818161	806183	<0.2	1.7	<0.2	1.7					
IM3	Fine	Rough	16:15	6.8	Surface	1.0	0.2	69	25.9	25.9	8.0	8.0	22.7	22.7	98.9	98.8	7.1	9.3	13	89	90	818774	805610	<0.2	1.7	<0.2	1.7					
						1.0	0.2	68	25.9	25.9	8.0	8.0	22.7	22.7	98.7	98.7	7.1	9.7	14	90	90	818774	805610	<0.2	1.7	<0.2	1.7					
						3.4	0.3	66	26.8	26.8	8.0	8.0	22.3	22.3	100.6	100.6	7.1	9.9	15	93	93	818774	805610	<0.2	1.7	<0.2	1.7					
					Middle	3.4	0.3	69	26.8	26.8	8.0	8.0	22.3	22.3	100.5	100.5	7.1	9.9	14	93	93	818774	805610	<0.2	1.8	<0.2	1.8					
						5.8	0.1	65	26.5	26.5	8.0	8.0	22.6	22.6	98.8	98.8	7.0	9.9	15	94	94	818774	805610	<0.2	1.7	<0.2	1.7					
						5.8	0.1	67	26.5	26.5	8.0	8.0	22.6	22.6	98.3	98.6	7.0	10.0	14	94	94	818774	805610	<0.2	1.4	<0.2	1.4					
IM4	Fine	Rough	16:07	7.5	Surface	1.0	0.7	66	26.9	26.9	8.1	8.1	20.9	20.9	108.0	108.0	7.7	6.4	7	89	90	819734	804592	<0.2	1.5	<0.2	1.5					
						1.0	0.7	69	26.8	26.8	8.1	8.1	20.9	20.9	108.0	108.0	7.7	6.3	8	90	90	819734	804592	<0.2	1.5	<0.2	1.5					
						3.8	0.6	63	26.4	26.4	8.1	8.1	20.8	20.8	106.4	106.4	7.6	5.5	7	93	93	819734	804592	<0.2	1.4	<0.2	1.4					
					Middle	3.8	0.7	66	26.3	26.3	8.1	8.1	20.8	20.8	106.3	106.3	7.6	5.5	7	93	93	819734	804592	<0.2	1.4	<0.2	1.4					
						6.5	0.5	66	26.4	26.4	8.1	8.1	21.8	21.8	98.8	98.7	7.0	9.8	18	95	95	819734	804592	<0.2	1.4	<0.2	1.4					
						6.5	0.5	66	26.4	26.4	8.1	8.1	21.8	21.8	98.5	98.7	7.0	9.8	18	96	96	819734	804592	<0.2	1.4	<0.2	1.4					
IM5	Fine	Rough	15:59	6.8	Surface	1.0	0.7	53	26.8	26.8	8.1	8.1	20.1	20.1	109.9	109.9	7.8	3.3	8	93	93	820745	804885	<0.2	1.6	<0.2	1.6					
						1.0	0.7	54	26.8	26.8	8.1	8.1	20.1	20.1	109.8	109.8	7.8	3.3	7	93	93	820745	804885	<0.2	1.7	<0.2	1.7					
						3.4	0.7	56	26.9	26.9	8.1	8.1	20.4	20.4	107.7	107.6	7.7	3.8	6	96	96	820745	804885	<0.2	1.6	<0.2	1.6					
					Middle	3.4	0.8	55	26.9	26.9	8.1	8.1	20.4	20.4	107.5	107.5	7.7	3.8	7	96	96	820745	804885	<0.2	1.4	<0.2	1.4					
						5.8	0.5	52	26.9	26.9	8.1	8.1	20.4	20.4	105.7	105.4	7.5	3.5	7	97	97	820745	804885	<0.2	1.5	<0.2	1.5					
						5.8	0.6	53	26.9	26.9	8.1	8.1	20.4	20.4	105.1	105.1	7.5	3.6	7	98	98	820745	804885	<0.2	1.6	<0.2	1.6					
IM6	Fine	Rough	15:52	6.4	Surface	1.0	0.6	34	26.2	26.2	8.0	8.0	21.4	21.4	102.4	102.4	7.3	6.0	12	93	94	821047	805841	<0.2	2.1	<0.2	2.1					
						1.0	0.6	35	26.2	26.2	8.0	8.0	21.4	21.4	102.3	102.3	7.3	6.2	11	94	94	821047	805841	<0.2	2.1	<0.2	2.1					
						3.2	0.5	35	26.6	26.6	8.0	8.0	21.4	21.4	103.0	103.0	7.3	6.6	11	96	96	821047	805841	<0.2	2.0	<0.2	2.0					
					Middle	3.2	0.5	35	26.6	26.6	8.0	8.0	21.4	21.4	102.9	102.9	7.3	6.9	10	96	96	821047	805841	<0.2	2.1	<0.2	2.1					
						5.4	0.4	34	26.3	26.3	8.0	8.0	21.5	21.5	100.7	100.7	7.2	6.8	10	97	97	821047	805841	<0.2	1.9	<0.2	1.9					
						5.4	0.4	36	26.3	26.3	8.0	8.0	21.5	21.5	100.6	100.6	7.2	6.9	11	98	98	821047	805841	<0.2	1.9	<0.2	1.9					
IM7	Fine	Rough	15:44	8.1	Surface	1.0	0.3	28	26.8	26.8	8.0	8.0	21.2	21.2	104.0	104.0	7.4	7.4	10	92	92	821329	806834	<0.2	1.7	<0.2	1.7					
						1.0	0.3	29	26.																							

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

Water Quality Monitoring Results on 16 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
IM9	Cloudy	Moderate	16:05	7.5	Surface	1.0	0.5	291	26.8	26.8	8.1	8.1	19.6	19.6	106.4	106.2	7.6	7.6	10.1	5	85	88	822072	808830	<0.2	1.4	<0.2	1.4			
						1.0	0.6	296	26.7	26.7	8.1	8.1	19.5	19.5	106.0	106.0	7.6	7.6	10.6	6	86	86	<0.2	1.4	<0.2	1.4					
					Middle	3.8	0.4	289	26.9	27.0	8.1	8.1	19.8	19.8	103.2	103.0	7.4	7.4	7.7	5	89	88	<0.2	1.5	<0.2	1.5					
						3.8	0.4	287	27.0	27.0	8.1	8.1	19.8	19.8	102.8	102.8	7.3	7.3	7.7	6	88	88	<0.2	1.5	<0.2	1.5					
					Bottom	6.5	0.2	292	26.5	26.5	8.1	8.1	20.3	20.3	101.3	100.8	7.3	7.3	3.6	6	90	91	<0.2	1.5	<0.2	1.4					
						6.5	0.2	292	26.4	26.4	8.1	8.1	20.3	20.3	100.3	100.3	7.2	7.2	3.2	6	91	91	<0.2	1.5	<0.2	1.4					
IM10	Cloudy	Moderate	16:10	7.6	Surface	1.0	0.6	273	26.8	26.8	8.1	8.1	19.6	19.6	104.4	104.4	7.5	7.5	8.5	5	86	88	822384	809787	<0.2	1.5	<0.2	1.5			
						1.0	0.6	279	26.8	26.8	8.1	8.1	19.6	19.6	104.3	104.3	7.5	7.5	8.5	4	84	84	<0.2	1.5	<0.2	1.5					
					Middle	3.8	0.5	278	26.7	26.8	8.1	8.1	19.9	19.8	102.9	102.8	7.4	7.4	8.1	7	89	88	<0.2	1.4	<0.2	1.4					
						3.8	0.6	276	26.8	26.8	8.1	8.1	19.8	19.8	102.6	102.6	7.3	7.3	8.1	7	88	88	<0.2	1.5	<0.2	1.5					
					Bottom	6.6	0.3	247	26.7	26.7	8.1	8.1	20.4	20.4	100.9	100.6	7.2	7.2	3.5	10	91	91	<0.2	1.4	<0.2	1.4					
						6.6	0.3	254	26.6	26.6	8.1	8.1	20.4	20.4	100.2	100.2	7.2	7.2	3.2	10	90	90	<0.2	1.4	<0.2	1.4					
IM11	Cloudy	Moderate	16:19	7.8	Surface	1.0	0.5	260	27.1	27.2	8.1	8.1	19.3	19.3	104.8	104.6	7.5	7.5	7.3	5	86	89	822057	811461	<0.2	1.5	<0.2	1.5			
						1.0	0.6	271	27.2	27.2	8.1	8.1	19.3	19.3	104.4	104.4	7.4	7.4	7.6	4	84	84	<0.2	1.5	<0.2	1.5					
					Middle	3.9	0.5	265	27.2	27.3	8.1	8.1	19.4	19.4	103.4	103.3	7.4	7.4	8.3	6	92	89	<0.2	1.6	<0.2	1.6					
						3.9	0.6	264	27.3	27.3	8.1	8.1	19.4	19.4	103.1	103.1	7.3	7.3	8.3	5	90	88	<0.2	1.7	<0.2	1.7					
					Bottom	6.8	0.4	255	26.8	26.8	8.1	8.1	20.3	20.3	101.1	100.8	7.2	7.2	7.0	11	88	88	<0.2	1.4	<0.2	1.4					
						6.8	0.5	270	26.8	26.8	8.1	8.1	20.3	20.3	100.5	100.5	7.2	7.2	7.0	10	90	90	<0.2	1.5	<0.2	1.5					
IM12	Cloudy	Moderate	16:24	8.3	Surface	1.0	0.4	254	26.5	26.5	8.1	8.1	19.0	19.0	108.3	108.2	7.8	7.8	5.2	7	86	89	821464	812051	<0.2	1.6	<0.2	1.6			
						1.0	0.4	255	26.5	26.5	8.1	8.1	19.0	19.0	108.0	108.0	7.8	7.8	5.2	6	85	85	<0.2	1.6	<0.2	1.6					
					Middle	4.2	0.2	248	26.4	26.4	8.1	8.1	19.1	19.1	106.1	105.7	7.7	7.7	3.5	4	89	89	<0.2	1.6	<0.2	1.6					
						4.2	0.2	251	26.4	26.4	8.1	8.1	19.1	19.1	105.3	105.3	7.6	7.6	3.7	5	90	88	<0.2	1.5	<0.2	1.5					
					Bottom	7.3	0.2	233	26.3	26.3	8.1	8.1	20.0	20.0	103.7	103.5	7.5	7.5	4.2	10	90	90	<0.2	1.6	<0.2	1.6					
						7.3	0.3	237	26.3	26.3	8.1	8.1	20.0	20.0	103.3	103.3	7.5	7.5	4.0	9	91	91	<0.2	1.7	<0.2	1.7					
SR1A	Cloudy	Moderate	16:34	4.9	Surface	1.0	-	-	26.6	26.6	8.1	8.1	19.3	19.3	109.1	108.8	7.9	7.9	7.3	6	-	-	819983	812662	-	-	-	-			
						1.0	-	-	26.6	26.6	8.1	8.1	19.3	19.3	108.5	108.5	7.8	7.8	7.4	5	-	-	-	-	-	-	-	-			
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.9	-	-	26.3	26.3	8.1	8.1	20.8	20.8	101.9	101.6	7.3	7.3	4.9	13	-	-	-	-	-	-	-	-	-	-	-
						3.9	-	-	26.2	26.2	8.1	8.1	20.8	20.8	101.2	101.2	7.3	7.3	4.9	12	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	16:42	4.8	Surface	1.0	0.1	217	26.6	26.6	8.1	8.1	19.3	19.3	107.6	107.5	7.8	7.8	4.3	6	88	88	821444	814181	<0.2	1.5	<0.2	1.5			
						1.0	0.1	219	26.6	26.6	8.1	8.1	19.3	19.3	107.4	107.4	7.7	7.7	4.3	7	86	86	<0.2	1.5	<0.2	1.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.0	214	26.6	26.6	8.1	8.1	20.5	20.5	107.4	107.6	7.7	7.7	5.4	6	89	89	<0.2	1.5	<0.2	1.5					
						3.8	0.0	223	26.6	26.6	8.1	8.1	20.5	20.5	107.7	107.7	7.7	7.7	5.5	7	90	90	<0.2	1.5	<0.2	1.5					
SR3	Cloudy	Moderate	15:56	8.6	Surface	1.0	0.0	69	26.6	26.6	8.1	8.1	20.3	20.3	106.0	106.0	7.6	7.6	4.6	7	-	-	822158	807559	-	-	-	-			
						1.0	0.0	64	26.6	26.6	8.1	8.1	20.3	20.3	105.9	105.9	7.6	7.6	4.8	7	-	-	-	-	-	-	-	-			
					Middle	4.3	0.1	60	26.7	26.7	8.1	8.1	20.3	20.3	105.5	105.5	7.5	7.5	6.4	7	-	-	-	-	-	-	-	-	-		
						4.3	0.1	60	26.7	26.7	8.1	8.1	20.3	20.3	105.4	105.4	7.5	7.5	6.5	6	-	-	-	-	-	-	-	-	-		
					Bottom	7.6	0.5	53	26.6	26.7	8.1	8.1	20.6	20.6	103.4	103.3	7.4	7.4	5.5	9	-	-	-	-	-	-	-	-	-		
						7.6	0.5	54	26.7	26.7	8.1	8.1	20.6	20.6	103.1	103.1	7.4	7.4	5.5	8	-	-	-	-	-	-	-	-	-		
SR4A	Fine	Moderate	17:08	8.4	Surface	1.0	0.7	261	27.7	27.7	8.2	8.2	18.2	18.2	123.9	123.8	8.8	8.8	5.4	8	-	-	817210	807831	-	-	-	-			
						1.0	0.7	278	27.7	27.7	8.2	8.2	18.2	18.2	123.7	123.7	8.8	8.8	6.0	7	-	-	-	-	-	-	-				
					Middle	4.2	0.7	259	27.7	27.7	8.2	8.2	18.2	18.2	123.1	123.1	8.8	8.8	3.7	8	-	-	-	-	-	-	-	-			
						4.2	0.7	274	27.7	27.7	8.2	8.2	18.2	18.2	123.1	123.1	8.8	8.8	3.8	9	-	-	-	-	-	-	-	-			
					Bottom	7.4	0.4	268	27.9	27.9	8.1	8.1	19.9	19.9	116.1	116.0	8.2	8.2	5.3	12	-	-	-	-	-	-	-	-			
						7.4	0.4	274	27.9	27.9	8.1	8.1	19.9	19.9	115.8	115.8	8.1	8.1	5.5	11	-	-	-	-	-	-	-	-			
SR5A	Fine	Moderate	17:26	4.7	Surface	1.0	0.5	316	27.6	27.6	8.1	8.1	20.3	20.3	114.1	114.1	8.0	8.0	5.0	9	-	-	816602	810682	-	-	-	-			
						1.0	0.5	333	27.6	27.6	8.1	8.1	20.3	20.3	114.0	114.0	8.0	8.0	5.1	8	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.7	0.3	316	27.2	27.2	8.1	8.1	20.6	20.6	110.7	110.6	7.8	7.8	5.2	8	-	-	-	-	-	-	-	-			
						3.7	0.3	335	27.1	27.1	8.1	8.1	20.6	20.6	110.5	110.5	7.8	7.8	5.2	7	-	-	-	-	-	-	-	-			
SR6	Fine	Moderate	18:13	3.3																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	11:57	9.1	Surface	1.0	0.5	212	27.0	27.0	7.9	7.9	20.2	20.2	90.6	90.6	6.5	6.3	8.3	3	85	87	815631	804263	<0.2	1.3	1.4	1.4					
						1.0	0.5	213	27.0	7.9	7.9	20.2	20.2	90.6	90.6	6.5	6.3	8.3	4	86	87	815631	804263	<0.2	1.3	1.4	1.4						
						4.6	0.2	201	25.3	25.3	7.9	7.9	27.6	27.6	85.8	85.8	6.0	6.0	9.5	3	86	87	815631	804263	<0.2	1.3	1.4	1.4					
					Middle	4.6	0.2	204	25.3	25.3	7.9	7.9	27.6	27.6	85.8	85.8	6.0	6.0	9.5	3	88	89	815631	804263	<0.2	1.3	1.4	1.4					
						8.1	0.2	225	25.1	25.1	7.8	7.8	29.0	29.0	86.3	86.3	6.0	6.0	26.7	3	89	90	815631	804263	<0.2	1.5	1.6	1.6					
						8.1	0.2	230	25.1	25.1	7.8	7.8	29.0	29.0	86.3	86.3	6.0	6.0	26.7	4	90	91	815631	804263	<0.2	1.4	1.4	1.4					
					C2	Fine	Moderate	10:57	11.4	Surface	1.0	0.6	160	28.6	28.6	8.0	8.0	19.4	19.4	97.0	97.0	6.8	6.8	3.9	5	85	89	825701	806964	<0.2	1.6	1.6	1.6
											1.0	0.6	160	28.6	28.6	8.0	8.0	19.4	19.4	97.0	97.0	6.8	6.8	3.9	5	85	89	825701	806964	<0.2	1.7	1.7	1.7
											5.7	0.4	148	28.6	28.6	8.0	8.0	19.5	19.5	97.5	97.5	6.8	6.8	3.9	6	90	91	825701	806964	<0.2	1.6	1.6	1.6
Middle	5.7	0.4	150	28.6						28.6	8.0	8.0	19.5	19.5	97.5	97.5	6.8	6.8	4.3	5	89	90	825701	806964	<0.2	1.6	1.6	1.6					
	10.4	0.2	139	29.2						29.2	8.0	8.0	20.0	20.0	99.7	99.7	6.8	6.9	4.2	5	93	94	825701	806964	<0.2	1.6	1.6	1.6					
	10.4	0.2	141	29.2						29.2	8.0	8.0	20.0	20.0	99.7	99.7	6.8	6.9	4.2	4	93	94	825701	806964	<0.2	1.6	1.6	1.6					
C3	Fine	Moderate	12:26	12.2						Surface	1.0	0.5	122	28.2	28.2	8.0	8.0	21.5	21.5	99.6	99.7	6.9	6.9	2.0	3	85	90	822097	817780	<0.2	1.4	1.4	1.4
											1.0	0.5	122	28.1	28.1	8.0	8.0	21.5	21.5	99.8	99.8	6.9	6.9	2.0	4	86	90	822097	817780	<0.2	1.4	1.4	1.4
											6.1	0.5	67	26.8	26.8	8.0	8.0	22.5	22.5	97.5	97.5	6.9	6.9	2.6	4	90	90	822097	817780	<0.2	1.4	1.4	1.4
					Middle	6.1	0.5	68	26.8	26.8	8.0	8.0	22.5	22.5	97.5	97.5	6.9	6.9	2.6	3	90	90	822097	817780	<0.2	1.5	1.5	1.5					
						11.2	0.5	36	27.4	27.4	8.0	8.0	22.5	22.5	98.5	98.5	6.9	6.9	1.8	4	94	94	822097	817780	<0.2	1.4	1.4	1.4					
						11.2	0.6	39	27.4	27.4	8.0	8.0	22.5	22.5	98.4	98.4	6.9	6.9	1.8	3	93	93	822097	817780	<0.2	1.4	1.4	1.4					
					IM1	Fine	Moderate	11:45	5.6	Surface	1.0	0.1	179	26.8	26.8	7.9	7.9	19.8	19.8	92.5	92.5	6.6	6.6	10.9	3	84	86	817940	807148	<0.2	1.5	1.5	1.5
											1.0	0.1	186	26.8	26.8	7.9	7.9	19.8	19.8	92.5	92.5	6.6	6.6	10.9	2	84	86	817940	807148	<0.2	1.5	1.5	1.5
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4.6	0.1	220	25.9						25.9	7.9	7.9	24.9	24.9	91.0	91.0	6.4	6.4	24.9	5	89	88	817940	807148	<0.2	1.5	1.5	1.5					
	4.6	0.1	225	25.9						25.9	7.9	7.9	24.9	24.9	91.0	91.0	6.4	6.4	24.9	5	88	88	817940	807148	<0.2	1.4	1.4	1.4					
IM2	Fine	Moderate	11:39	7.6						Surface	1.0	0.3	193	26.6	26.6	7.9	7.9	20.9	20.9	91.4	91.4	6.5	6.4	12.1	2	85	86	818163	806171	<0.2	1.5	1.5	1.5
											1.0	0.3	204	26.6	26.6	7.9	7.9	20.9	20.9	91.4	91.4	6.5	6.4	12.1	2	85	86	818163	806171	<0.2	1.3	1.3	1.3
											3.8	0.3	176	25.6	25.6	7.9	7.9	24.9	24.9	88.2	88.2	6.3	6.3	16.5	4	88	86	818163	806171	<0.2	1.5	1.5	1.5
					Middle	3.8	0.3	182	25.6	25.6	7.9	7.9	24.9	24.9	88.2	88.2	6.3	6.3	16.5	3	86	86	818163	806171	<0.2	1.4	1.4	1.4					
						6.6	0.2	156	25.3	25.3	7.9	7.9	28.2	28.2	88.7	88.7	6.2	6.2	26.2	4	86	86	818163	806171	<0.2	1.4	1.4	1.4					
						6.6	0.2	170	25.3	25.3	7.9	7.9	28.2	28.2	88.7	88.7	6.2	6.2	26.2	4	88	88	818163	806171	<0.2	1.5	1.5	1.5					
					IM3	Fine	Moderate	11:33	7.4	Surface	1.0	0.2	270	26.8	26.8	7.9	7.9	20.5	20.5	93.1	93.1	6.6	6.5	8.8	4	85	87	818787	805586	<0.2	1.5	1.5	1.5
											1.0	0.2	294	26.8	26.8	7.9	7.9	20.5	20.5	93.1	93.1	6.6	6.6	8.8	4	85	85	818787	805586	<0.2	1.4	1.4	1.4
											3.7	0.2	159	25.8	25.8	7.9	7.9	24.0	24.0	90.4	90.4	6.4	6.4	11.1	4	87	89	818787	805586	<0.2	1.4	1.4	1.4
Middle	3.7	0.3	170	25.8						25.8	7.9	7.9	24.0	24.0	90.4	90.4	6.4	6.4	11.1	3	89	88	818787	805586	<0.2	1.5	1.5	1.5					
	6.4	0.2	118	25.9						25.9	7.9	7.9	27.6	27.6	92.8	92.8	6.5	6.5	10.8	3	88	88	818787	805586	<0.2	1.6	1.6	1.6					
	6.4	0.2	129	25.9						25.9	7.9	7.9	27.6	27.6	92.8	92.8	6.5	6.5	10.8	3	87	87	818787	805586	<0.2	1.4	1.4	1.4					
IM4	Fine	Moderate	11:23	7.7						Surface	1.0	0.3	212	26.4	26.4	7.9	7.9	22.3	22.3	90.6	90.6	6.4	6.4	12.0	3	85	87	819747	804605	<0.2	1.2	1.2	1.2
											1.0	0.4	227	26.4	26.4	7.9	7.9	22.3	22.3	90.6	90.6	6.4	6.4	12.0	3	85	85	819747	804605	<0.2	1.2	1.2	1.2
											3.9	0.4	181	25.7	25.7	7.9	7.9	25.1	25.1	88.8	88.8	6.3	6.3	15.8	4	88	86	819747	804605	<0.2	1.6	1.6	1.6
					Middle	3.9	0.4	190	25.7	25.7	7.9	7.9	25.1	25.1	88.8	88.8	6.3	6.3	15.8	5	86	86	819747	804605	<0.2	1.3	1.3	1.3					
						6.7	0.3	154	26.2	26.2	7.9	7.9	25.5	25.5	92.6	92.6	6.5	6.5	10.3	4	89	89	819747	804605	<0.2	1.5	1.5	1.5					
						6.7	0.3	164	26.2	26.2	7.9	7.9	25.5	25.5	92.6	92.6	6.5	6.5	10.3	5	87	87	819747	804605	<0.2	1.4	1.4	1.4					
					IM5	Fine	Moderate	11:17	7.7	Surface	1.0	0.4	213	26.3	26.3	7.9	7.9	22.8	22.8	89.8	89.8	6.4	6.4	12.5	5	83	87	820733	804869	<0.2	1.5	1.5	1.5
											1.0	0.4	226	26.3	26.3	7.9	7.9	22.8	22.8	89.8	89.8	6.4	6.4	12.5	4	83	83	820733	804869	<0.2	1.5	1.5	1.5
											3.9	0.3	226	25.6	25.6	7.9	7.9	25.9	25.9	89.3	89.3	6.3	6.3	16.6	6	87	89	820733	804869	<0.2	1.6	1.6	1.6
Middle	3.9	0.3	233	25.6						25.6	7.9	7.9	25.9	25.9	89.3	89.3	6.3	6.3	16.6	6	89	89	820733	804869	<0.2	1.5	1.5	1.5					
	6.7	0.3	220	26.0						26.0	7.9	7.9	25.7	25.7	93.4	93.4	6.6	6.6	12.2	8	89	89	820733	804869	<0.2	1.5	1.5	1.5					
	6.7	0.3	233	26.0						26.0	7.9	7.9	25.7	25.7	93.4	93.4	6.6	6.6	12.2	8	90	90	820733	804869	<0.2	1.5	1.5	1.5					
IM6	Fine	Moderate	11:10	7.9						Surface	1.0	0.2	297	26.7	26.7	7.9	7.9	21.3	21.3	91.4	91.4	6.5	6.5	10.1	5	84	87	821039	805843	<0.2	1.5	1.5	1.5
											1.0	0.2	307	26.7	26.7	7.9	7.9	21.3	21.3														



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

Water Quality Monitoring

Water Quality Monitoring Results on 18 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Fine	Moderate	18:38	8.8	Surface	1.0	0.4	38	26.6	26.6	7.9	7.9	20.4	20.4	91.3	91.3	6.5	6.5	9.2	2	86	88	88	815619	804231	<0.2	1.2	1.2	1.2					
						1.0	0.4	40	26.6	26.6	7.9	7.9	20.4	20.4	91.3	91.3	6.5	6.5	9.2	2	86	88	88	815619	804231	<0.2	1.2	1.2	1.2					
						4.4	0.2	20	25.3	25.3	7.9	7.9	28.0	28.0	86.3	86.3	6.1	6.1	15.1	4	88	86	86	815619	804231	<0.2	1.2	1.3	1.3					
					Middle	4.4	0.2	21	25.3	25.3	7.9	7.9	28.0	28.0	86.3	86.3	6.1	6.1	15.1	4	86	86	86	815619	804231	<0.2	1.2	1.2	1.2					
						7.8	0.1	32	24.8	24.8	7.9	7.9	30.5	30.5	88.0	88.0	6.1	6.1	14.0	4	90	86	86	815619	804231	<0.2	1.2	1.2	1.2					
						7.8	0.1	32	24.8	24.8	7.9	7.9	30.5	30.5	88.0	88.0	6.1	6.1	14.0	4	89	86	86	815619	804231	<0.2	1.2	1.2	1.2					
					C2	Fine	Moderate	20:06	10.9	Surface	1.0	0.6	20	27.5	27.5	8.0	8.0	20.0	20.0	97.6	97.6	6.9	6.9	4.0	6	87	88	88	825663	806941	<0.2	1.6	1.6	1.6
											1.0	0.6	22	27.5	27.5	8.0	8.0	20.0	20.0	97.5	97.5	6.9	6.9	4.0	6	88	88	88	825663	806941	<0.2	1.6	1.7	1.7
											5.5	0.4	42	27.8	27.8	8.0	8.0	19.9	19.9	98.0	98.0	6.9	6.9	3.8	7	90	86	86	825663	806941	<0.2	1.6	1.6	1.6
Middle	5.5	0.5	53	27.8						27.8	8.0	8.0	19.9	19.9	98.0	98.0	6.9	6.9	3.8	6	91	86	86	825663	806941	<0.2	1.6	1.6	1.6					
	9.9	0.4	55	28.4						28.4	8.1	8.1	19.8	19.8	98.7	98.7	6.9	6.9	3.9	6	95	86	86	825663	806941	<0.2	1.7	1.7	1.7					
	9.9	0.4	55	28.4						28.4	8.1	8.1	19.8	19.8	98.7	98.7	6.9	6.9	4.0	7	95	86	86	825663	806941	<0.2	1.6	1.6	1.6					
C3	Fine	Moderate	18:11	12.2						Surface	1.0	0.1	300	26.6	26.6	8.1	8.1	21.6	21.6	97.2	97.2	6.9	6.9	0.9	3	87	87	87	822092	817816	<0.2	1.4	1.4	1.4
											1.0	0.1	315	26.6	26.6	8.1	8.1	21.6	21.6	97.2	97.2	6.9	6.9	0.9	3	87	87	87	822092	817816	<0.2	1.4	1.4	1.4
											6.1	0.2	288	26.5	26.5	8.1	8.1	23.3	23.3	96.7	96.7	6.8	6.8	1.5	2	91	86	86	822092	817816	<0.2	1.4	1.4	1.4
					Middle	6.1	0.2	302	26.5	26.5	8.1	8.1	23.3	23.3	96.7	96.7	6.8	6.8	1.5	2	90	86	86	822092	817816	<0.2	1.4	1.4	1.4					
						11.2	0.0	241	26.2	26.2	8.1	8.1	25.0	25.0	96.4	96.4	6.8	6.8	2.6	4	95	86	86	822092	817816	<0.2	1.4	1.4	1.4					
						11.2	0.0	245	26.2	26.2	8.1	8.1	25.0	25.0	96.6	96.6	6.8	6.8	2.5	4	94	86	86	822092	817816	<0.2	1.4	1.4	1.4					
					IM1	Fine	Moderate	18:52	5.6	Surface	1.0	0.1	78	26.8	26.8	7.9	7.9	19.9	19.9	93.9	93.9	6.7	6.7	8.3	4	85	85	85	817962	807114	<0.2	1.4	1.3	1.3
											1.0	0.1	81	26.8	26.8	7.9	7.9	19.9	19.9	93.9	93.9	6.7	6.7	8.3	3	85	85	85	817962	807114	<0.2	1.3	1.3	1.3
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.6	0.1	73	26.8						26.8	7.9	7.9	19.9	19.9	93.5	93.5	6.7	6.7	8.9	6	89	86	86	817962	807114	<0.2	1.4	1.4	1.4					
	4.6	0.1	74	26.8						26.8	7.9	7.9	19.9	19.9	93.5	93.5	6.7	6.7	8.9	5	88	86	86	817962	807114	<0.2	1.3	1.3	1.3					
	4.6	0.1	74	26.8						26.8	7.9	7.9	19.9	19.9	93.5	93.5	6.7	6.7	8.9	5	88	86	86	817962	807114	<0.2	1.3	1.3	1.3					
IM2	Fine	Moderate	18:58	7.4						Surface	1.0	0.1	338	26.7	26.7	7.9	7.9	19.5	19.5	92.4	92.4	6.6	6.6	8.9	4	82	83	83	818155	806156	<0.2	1.5	1.5	1.5
											1.0	0.1	345	26.7	26.7	7.9	7.9	19.5	19.5	92.4	92.4	6.6	6.6	8.9	4	83	83	83	818155	806156	<0.2	1.4	1.4	1.4
											3.7	0.2	321	26.4	26.4	7.9	7.9	21.8	21.8	91.7	91.7	6.5	6.5	9.5	3	87	89	89	818155	806156	<0.2	1.5	1.5	1.5
					Middle	3.7	0.2	320	26.4	26.4	7.9	7.9	21.8	21.8	91.7	91.7	6.5	6.5	9.5	3	89	86	86	818155	806156	<0.2	1.5	1.5	1.5					
						6.4	0.2	350	25.9	25.9	7.9	7.9	26.0	26.0	91.6	91.6	6.4	6.4	9.4	4	90	86	86	818155	806156	<0.2	1.4	1.4	1.4					
						6.4	0.3	339	25.9	25.9	7.9	7.9	26.0	26.0	91.6	91.6	6.4	6.4	9.4	4	91	86	86	818155	806156	<0.2	1.4	1.4	1.4					
					IM3	Fine	Moderate	19:04	7.8	Surface	1.0	0.3	355	26.7	26.7	7.9	7.9	19.3	19.3	92.7	92.7	6.7	6.7	8.1	4	82	82	82	818806	805586	<0.2	1.6	1.6	1.6
											1.0	0.4	327	26.7	26.7	7.9	7.9	19.3	19.3	92.7	92.7	6.7	6.7	8.1	3	82	82	82	818806	805586	<0.2	1.6	1.6	1.6
											3.9	0.2	3	25.8	25.8	7.9	7.9	24.1	24.1	90.9	90.9	6.5	6.5	8.8	3	87	89	89	818806	805586	<0.2	1.3	1.3	1.3
Middle	3.9	0.2	3	25.8						25.8	7.9	7.9	24.1	24.1	90.9	90.9	6.5	6.5	8.8	3	89	86	86	818806	805586	<0.2	1.6	1.6	1.6					
	6.8	0.3	41	25.8						25.8	7.9	7.9	26.0	26.0	91.9	91.9	6.5	6.5	9.0	4	89	86	86	818806	805586	<0.2	1.2	1.2	1.2					
	6.8	0.3	44	25.8						25.8	7.9	7.9	26.0	26.0	91.9	91.9	6.5	6.5	9.0	4	90	86	86	818806	805586	<0.2	1.5	1.5	1.5					
IM4	Fine	Moderate	19:12	7.7						Surface	1.0	0.1	12	26.5	26.5	7.9	7.9	22.7	22.7	91.2	91.2	6.5	6.5	9.3	3	82	83	83	819702	804619	<0.2	1.8	1.8	1.8
											1.0	0.2	14	26.5	26.5	7.9	7.9	22.7	22.7	91.2	91.2	6.5	6.5	9.3	4	83	87	87	819702	804619	<0.2	1.6	1.6	1.6
											3.9	0.0	13	25.5	25.5	7.9	7.9	26.4	26.4	87.8	87.8	6.2	6.2	12.2	3	87	89	89	819702	804619	<0.2	1.7	1.7	1.7
					Middle	3.9	0.0	12	25.5	25.5	7.9	7.9	26.4	26.4	87.8	87.8	6.2	6.2	12.2	4	89	86	86	819702	804619	<0.2	1.8	1.8	1.8					
						6.7	0.1	71	25.6	25.6	7.9	7.9	27.7	27.7	91.4	91.4	6.4	6.4	11.5	5	90	86	86	819702	804619	<0.2	1.8	1.8	1.8					
						6.7	0.1	77	25.6	25.6	7.9	7.9	27.7	27.7	91.4	91.4	6.4	6.4	11.5	6	88	86	86	819702	804619	<0.2	1.8	1.8	1.8					
					IM5	Fine	Moderate	19:20	7.8	Surface	1.0	0.2	324	26.6	26.6	7.9	7.9	20.9	21.0	91.8	91.7	6.6	6.6	9.8	3	86	86	86	820752	804844	<0.2	1.9	1.9	1.9
											1.0	0.2	327	26.6	26.6	7.9	7.9	20.7	20.7	91.6	91.6	6.5	6.5	9.9	3	86	88	88	820752	804844	<0.2	1.9	1.9	1.9
											3.9	0.1	24	25.8	25.8	7.9	7.9	25.2	25.2	89.7	89.7	6.3	6.3	13.0	3	88	88	88	820752	804844	<0.2	1.9	1.9	1.9
Middle	3.9	0.1	26	25.8						25.8	7.9	7.9	25.2	25.2	89.7	89.7	6.3	6.3	13.0	3	88	88	88	820752	804844	<0.2	1.8	1.8	1.8					
	6.8	0.1	13	26.1						26.1	7.9	7.9	25.2	25.2	92.1	92.1	6.5	6.5	11.1	7	89	86	86	820752	804844	<0.2	1.9	1.9	1.9					
	6.8	0.1	14	26.1						26.1	7.9	7.9	25.2	25.2	92.1	92.1	6.5	6.5	11.1	7	90	86	86	820752	804844	<0.2	1.							





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

Water Quality Monitoring Results on 21 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	13:52	9.8	Surface	1.0	0.1	208	25.8	25.8	7.9	7.9	27.9	27.9	92.0	91.9	6.4	6.4	9.4	3	90	93	815628	804258	<0.2	1.3	<0.2	1.2									
						1.0	0.1	213	25.8	7.9	7.9	27.9	27.9	91.7	6.4	9.5	4	89	<0.2	1.2																	
						4.9	0.2	239	25.9	7.9	7.9	27.8	27.8	93.3	6.5	9.7	3	93	<0.2	1.0																	
					Middle	4.9	0.3	262	25.9	7.9	7.9	27.8	27.8	93.2	6.5	9.8	3	93	<0.2	1.1																	
						8.8	0.2	222	25.6	7.9	7.9	28.8	28.8	92.6	6.4	10.0	5	96	<0.2	1.1																	
						8.8	0.2	232	25.6	7.9	7.9	28.8	28.8	92.6	6.4	10.0	5	96	<0.2	1.2																	
					C2	Cloudy	Moderate	13:01	11.5	Surface	1.0	0.0	127	26.6	26.6	8.1	8.1	20.7	20.7	98.0	98.0				7.0	7.5			3	85	88	825698	806924	<0.2	1.9	<0.2	1.8
											1.0	0.0	134	26.6	8.1	8.1	20.7	20.7	98.0	7.0	7.8				4	86			<0.2	1.8							
											5.8	0.2	102	26.6	8.1	8.1	20.9	20.9	97.9	7.0	8.8				4	88			<0.2	1.8							
Middle	5.8	0.2	111	26.6						8.1	8.1	21.0	20.9	97.8	7.0	8.8	3	89	<0.2	1.6																	
	10.5	0.2	171	26.6						8.1	8.1	21.2	21.2	96.9	6.9	4.6	5	90	<0.2	1.8																	
	10.5	0.2	172	26.6						8.1	8.1	21.2	21.2	96.9	6.9	4.7	5	91	<0.2	1.6																	
C3	Cloudy	Moderate	14:45	12.1						Surface	1.0	0.6	71	26.3	26.3	8.1	8.1	22.6	22.6	101.0	101.0	7.2	8.3	3	86	88	822107	817792	<0.2	1.3				<0.2	1.3		
											1.0	0.6	73	26.3	8.1	8.1	22.6	22.6	100.9	7.2	8.3	4	85	<0.2	1.3												
											6.1	0.5	75	26.0	8.1	8.1	24.1	24.1	101.1	7.2	4.3	2	88	<0.2	1.3												
					Middle	6.1	0.5	76	25.9	8.1	8.1	24.2	24.1	101.2	7.2	4.1	2	89	<0.2	1.2																	
						11.1	0.5	89	26.1	8.1	8.1	25.2	25.2	99.6	7.0	6.3	4	90	<0.2	1.3																	
						11.1	0.5	91	26.0	8.1	8.1	25.2	25.2	99.7	7.0	6.3	3	91	<0.2	1.2																	
					IM1	Cloudy	Moderate	13:34	5.6	Surface	1.0	0.1	177	26.0	26.0	7.9	7.9	26.5	26.5	95.4	95.4	6.7	9.0	3	89				91	817965	807152	<0.2	1.1			<0.2	1.1
											1.0	0.1	189	26.0	7.9	7.9	26.5	26.5	95.4	6.7	9.0	2	89	<0.2	1.1												
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-		
	4.6	0.1	226	26.1						7.9	7.9	23.1	23.1	95.4	95.4	6.8	9.1	4	92	<0.2	1.0																
	4.6	0.1	235	26.1						7.9	7.9	23.1	23.1	95.4	95.4	6.8	9.1	3	93	<0.2	1.1																
IM2	Cloudy	Moderate	13:27	8.3						Surface	1.0	0.1	168	26.0	26.0	7.9	7.9	26.4	26.4	93.3	93.4	6.5	8.7	2	89	92	818150	806184				<0.2	0.7	<0.2	0.7		
											1.0	0.1	177	26.0	7.9	7.9	26.5	26.4	93.4	6.5	8.8	3	90	<0.2	0.7												
											4.2	0.1	189	25.9	7.9	7.9	26.4	26.4	93.4	6.5	9.7	4	93	<0.2	0.8												
					Middle	4.2	0.1	201	25.9	7.9	7.9	26.4	26.4	93.4	6.5	9.7	4	93	<0.2	0.7																	
						7.3	0.1	166	25.8	7.9	7.9	27.0	27.0	94.3	94.3	6.6	12.2	4	94	<0.2	0.7																
						7.3	0.1	180	25.8	7.9	7.9	27.0	27.0	94.3	94.3	6.6	12.2	5	95	<0.2	0.8																
					IM3	Cloudy	Moderate	13:21	8.6	Surface	1.0	0.1	158	26.1	26.0	7.9	7.9	26.3	26.3	94.2	94.3	6.6	8.8	3	89				92	818771	805601	<0.2	1.4			<0.2	1.4
											1.0	0.1	160	26.0	7.9	7.9	26.3	26.3	94.3	6.6	8.9	4	89	<0.2	1.3												
											4.3	0.2	171	26.0	7.9	7.9	26.2	26.2	94.3	6.6	9.3	3	93	<0.2	1.3												
Middle	4.3	0.2	181	26.0						7.9	7.9	26.2	26.2	94.2	6.6	9.3	3	93	<0.2	1.5																	
	7.6	0.1	172	26.0						7.9	7.9	26.2	26.2	94.5	6.6	10.6	3	94	<0.2	1.4																	
	7.6	0.1	172	26.0						7.9	7.9	26.2	26.2	94.4	6.6	10.7	3	94	<0.2	1.3																	
IM4	Cloudy	Moderate	13:13	8.9						Surface	1.0	0.1	183	25.9	25.9	7.9	7.9	26.8	26.8	92.6	92.6	6.5	9.0	3	89	93	819719	804623				<0.2	1.3	<0.2	1.4		
											1.0	0.1	199	25.9	7.9	7.9	26.8	26.8	92.5	6.5	9.1	3	90	<0.2	1.4												
											4.5	0.1	151	25.9	7.9	7.9	26.5	26.5	92.6	6.5	9.4	4	93	<0.2	1.3												
					Middle	4.5	0.1	158	25.9	7.9	7.9	26.5	26.5	92.9	6.5	9.5	4	94	<0.2	1.4																	
						7.9	0.1	183	25.9	7.9	7.9	26.5	26.5	93.2	6.5	10.3	4	95	<0.2	1.4																	
						7.9	0.1	190	25.9	7.9	7.9	26.5	26.5	93.2	6.5	10.4	3	96	<0.2	1.3																	
					IM5	Cloudy	Moderate	13:06	8.4	Surface	1.0	0.1	217	26.1	26.1	7.9	7.9	25.2	25.2	92.5	92.5	6.5	9.2	4	89				93	820723	804887	<0.2	1.4			<0.2	1.4
											1.0	0.1	220	26.1	7.9	7.9	25.2	25.2	92.5	6.5	9.3	5	89	<0.2	1.4												
											4.2	0.1	167	26.1	7.9	7.9	25.0	25.0	92.9	6.5	9.5	5	94	<0.2	1.4												
Middle	4.2	0.1	173	26.1						7.9	7.9	25.0	25.0	92.8	6.5	9.7	4	94	<0.2	1.4																	
	7.4	0.2	177	26.1						7.9	7.9	25.2	25.2	93.4	6.6	16.0	4	96	<0.2	1.4																	
	7.4	0.3	171	26.1						7.9	7.9	25.2	25.2	93.5	6.6	16.2	4	96	<0.2	1.4																	
IM6	Cloudy	Moderate	12:59	8.3						Surface	1.0	0.4	262	26.6	26.6	7.8	7.8	21.4	21.4	94.5	94.6	6.7	9.6	4	88	92	821053	805813				<0.2	1.3	<0.2	1.4		
											1.0	0.4	277	26.6	7.8	7.8	21.4	21.4	94.6	6.7	9.6	5	88	<0.2	1.4												
											4.2	0.2	243	26.5	7.8	7.8	21.7	21.7	94.8	6.8	11.1	5	92	<0.2	1.4												
					Middle	4.2	0.2	215	26.5	7.8	7.8	21.7	21.7	94.5	6.7	11.3	4	93	<0.2	1.4																	
						7.3	0.2	195	26.6	7.8	7.8	21.4	21.4	94.5	6.7	11.5	5	94	<0.2	1.5																	
						7.3	0.2	198	26.6	7.8	7.8	21.4	21.4	94.5	6.7	11.2	4	94	<0.2	1.3																	
					IM7	Cloudy	Moderate	12:53	9.7	Surface	1.0	0.1	253	26.6	26.6	7.9	7.9	21.1	21.1	95.9	95.9	6.8	8.0	4	88				92	821337	806814	<0.2	1.3			<0.2	1.3
											1.0	0.1	274	26.6	7.9	7.9	21.1	21.1	95.8	6.8	8.1	4	89	<0.2	1.3												
											4.9	0.0	180	26.5	7.9	7.9	21.1	21.1	95.8	6.9	8.2	5	92	<0.2	1.3												
Middle	4.9	0.0	181	26.5						8.0	7.9	21.1	21.1	95.9	6.9	8.3	4	93	<0.2	1.2																	
	8.7	0.1	183	26.5						8.0	8.0	20.9	20.9	95.6	6.8	8.2	5	94	<0.2	1.2																	
	8.7	0.1	185	26.5						8.1	8.0	20.9	20.9	95.6	6.8	8.2	4	94	<0.2	1.3																	
IM8	Cloudy	Moderate	13:26	7.8						Surface	1.0	0.2	133	26.8	26.8	8.1	8.1	20.0	20.0	98.9	98.9	7.1	7.9	3	86	88	821819	808136				<0.2	1.8	<0.2	1.8		
											1.0	0.2	136	26.8	8.1	8.1	20.0	20.0	98.8	7.1	7.9	3	85	<0.2	1.8												
											3.9	0.4	98	26.7	8.1	8.1	20.4	20.4	98.2	7.0	10.4	4	88	<0.2	2.0												
					Middle	3.9	0.4	101	26.7	8.1	8.1	20.4	20.4	98.2	7.0	10.3	4	89	<0.2	1.8																	
						6.8	0.3	50	26.3	8.1	8.1	22.6	22.6	97.3	6.9	3.3	5	91	<0.2	1.8																	
						6.8	0.4	53	26.3	8.1	8.1	22.6	22.6	97.7	6.9	3.3	5	91	<0.2	1.8																	

DA: Depth-Averaged  
Calm: Small or no wave

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	13:33	7.4	Surface	1.0	1.1	116	26.7	26.7	8.1	8.1	20.1	20.1	98.9	98.9	7.1	7.1	8.4	3	86	89	822095	808817	<0.2	1.5	<0.2	1.5			
						1.0	1.1	116	26.7	26.7	8.1	8.1	20.1	20.1	98.8	98.8	7.1	7.1	8.4	3	88	89					<0.2	1.5	<0.2	1.5	
						3.7	0.6	158	26.7	26.7	8.1	8.1	20.1	20.1	98.9	98.9	7.1	7.1	8.8	3	89	90					<0.2	1.6	<0.2	1.6	
					Middle	3.7	0.7	172	26.7	26.7	8.1	8.1	20.1	20.1	98.8	98.8	7.1	7.1	8.8	3	90	91					<0.2	1.6	<0.2	1.6	
						6.4	0.5	212	26.7	26.7	8.1	8.1	20.2	20.2	97.5	97.4	7.0	7.0	7.5	5	91	90					<0.2	1.5	<0.2	1.5	
						6.4	0.6	213	26.7	26.7	8.1	8.1	20.2	20.2	97.3	97.3	7.0	7.0	7.5	4	90	89					<0.2	1.5	<0.2	1.5	
					Bottom	6.4	0.5	212	26.7	26.7	8.1	8.1	20.2	20.2	97.5	97.4	7.0	7.0	7.5	5	91	90					<0.2	1.6	<0.2	1.6	
						6.4	0.6	213	26.7	26.7	8.1	8.1	20.2	20.2	97.3	97.3	7.0	7.0	7.5	4	90	89					<0.2	1.5	<0.2	1.5	
						8.1	0.7	100	26.6	26.6	8.1	8.1	20.0	20.0	98.5	98.5	7.1	7.1	9.3	4	85	88					<0.2	1.7	<0.2	1.7	
IM10	Cloudy	Moderate	13:41	7.6	Surface	1.0	0.7	100	26.6	26.6	8.1	8.1	20.0	20.0	98.4	98.4	7.1	7.1	9.3	3	87	88	822387	809816	<0.2	1.5	<0.2	1.5			
						1.0	0.7	109	26.6	26.6	8.1	8.1	20.0	20.0	98.4	98.4	7.1	7.1	9.3	3	87	88					<0.2	1.6	<0.2	1.6	
						3.8	0.7	127	26.7	26.7	8.1	8.1	20.2	20.2	96.9	96.9	6.9	6.9	2.9	4	88	87					<0.2	1.6	<0.2	1.6	
					Middle	3.8	0.7	130	26.7	26.7	8.1	8.1	20.2	20.2	96.8	96.8	6.9	6.9	2.9	5	87	90					<0.2	1.6	<0.2	1.6	
						6.6	0.4	111	26.7	26.7	8.1	8.1	21.1	21.1	96.8	96.9	6.9	6.9	2.5	4	90	89					<0.2	1.6	<0.2	1.6	
						6.6	0.4	116	26.6	26.6	8.1	8.1	21.1	21.1	96.9	96.9	6.9	6.9	2.5	5	90	89					<0.2	1.6	<0.2	1.6	
					Bottom	6.6	0.4	111	26.7	26.7	8.1	8.1	21.1	21.1	96.8	96.9	6.9	6.9	2.5	4	90	89					<0.2	1.6	<0.2	1.6	
						6.6	0.4	116	26.6	26.6	8.1	8.1	21.1	21.1	96.9	96.9	6.9	6.9	2.5	5	90	89					<0.2	1.6	<0.2	1.6	
						8.1	0.9	121	26.5	26.5	8.1	8.1	20.8	20.8	98.7	98.7	7.1	7.1	5.4	4	85	86	822042	811446	<0.2	1.6	<0.2	1.6			
IM11	Cloudy	Moderate	13:50	7.8	Surface	1.0	0.9	121	26.5	26.5	8.1	8.1	20.8	20.8	98.7	98.7	7.1	7.1	5.4	4	85	86			<0.2	1.6	<0.2	1.6			
						1.0	0.9	122	26.5	26.5	8.1	8.1	20.7	20.7	98.4	98.4	7.1	7.1	5.4	4	86	88					<0.2	1.6	<0.2	1.6	
						3.9	0.7	110	26.4	26.4	8.1	8.1	20.9	20.9	99.5	99.5	7.1	7.1	4.7	4	88	87					<0.2	1.6	<0.2	1.6	
					Middle	3.9	0.7	111	26.4	26.4	8.1	8.1	20.9	20.9	99.5	99.5	7.1	7.1	4.7	4	87	90					<0.2	1.5	<0.2	1.5	
						6.8	0.5	116	26.4	26.4	8.1	8.1	21.6	21.6	98.3	98.4	7.0	7.0	6.5	4	90	89					<0.2	1.4	<0.2	1.4	
						6.8	0.5	116	26.4	26.4	8.1	8.1	21.6	21.6	98.4	98.4	7.0	7.0	6.5	3	90	89					<0.2	1.5	<0.2	1.5	
					Bottom	6.8	0.5	116	26.4	26.4	8.1	8.1	21.6	21.6	98.3	98.4	7.0	7.0	6.5	4	90	89					<0.2	1.4	<0.2	1.4	
						6.8	0.5	116	26.4	26.4	8.1	8.1	21.6	21.6	98.4	98.4	7.0	7.0	6.5	3	90	89					<0.2	1.5	<0.2	1.5	
						8.1	0.8	118	26.6	26.6	8.1	8.1	21.2	21.2	101.5	101.4	7.2	7.2	6.8	4	85	86	821462	812046	<0.2	1.6	<0.2	1.6			
IM12	Cloudy	Moderate	13:58	8.1	Surface	1.0	0.8	118	26.6	26.6	8.1	8.1	21.2	21.2	101.3	101.4	7.2	7.2	6.8	3	86	88			<0.2	1.6	<0.2	1.6			
						1.0	0.8	120	26.6	26.6	8.1	8.1	21.2	21.2	101.3	101.4	7.2	7.2	6.8	3	86	88					<0.2	1.6	<0.2	1.6	
						4.1	0.6	116	26.5	26.5	8.1	8.1	21.3	21.3	100.7	100.7	7.2	7.2	6.3	5	88	88					<0.2	1.6	<0.2	1.6	
					Middle	4.1	0.6	122	26.5	26.5	8.1	8.1	21.3	21.3	100.6	100.6	7.2	7.2	6.3	5	88	90					<0.2	1.6	<0.2	1.6	
						7.1	0.5	101	26.5	26.5	8.1	8.1	22.4	22.4	100.4	100.4	7.1	7.1	2.0	4	90	89					<0.2	1.6	<0.2	1.6	
						7.1	0.5	110	26.5	26.5	8.1	8.1	22.4	22.4	100.4	100.4	7.1	7.1	2.1	3	90	89					<0.2	1.7	<0.2	1.7	
					Bottom	7.1	0.5	101	26.5	26.5	8.1	8.1	22.4	22.4	100.4	100.4	7.1	7.1	2.0	4	90	89					<0.2	1.6	<0.2	1.6	
						7.1	0.5	110	26.5	26.5	8.1	8.1	22.4	22.4	100.4	100.4	7.1	7.1	2.1	3	90	89					<0.2	1.7	<0.2	1.7	
						8.1	0.9	121	26.6	26.6	8.1	8.1	21.6	21.6	100.9	100.9	7.2	7.2	4.6	2	-	-	819977	812665	-	-	-	-	-	-	
SR1A	Cloudy	Moderate	14:12	4.7	Surface	1.0	-	-	26.6	26.6	8.1	8.1	21.6	21.6	100.8	100.8	7.2	7.2	4.6	3	-	-			-	-	-	-			
						1.0	-	-	26.6	26.6	8.1	8.1	21.6	21.6	100.8	100.8	7.2	7.2	4.6	3	-	-					-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	-	-	26.6	26.6	8.1	8.1	22.2	22.2	100.8	100.9	7.1	7.1	3.5	<2	-	-					-	-	-	-	
						3.7	-	-	26.6	26.6	8.1	8.1	22.2	22.2	100.9	100.9	7.2	7.2	3.5	<2	-	-					-	-	-	-	
					Bottom	3.7	-	-	26.6	26.6	8.1	8.1	22.2	22.2	100.8	100.9	7.1	7.1	3.5	<2	-	-					-	-	-	-	
						3.7	-	-	26.6	26.6	8.1	8.1	22.2	22.2	100.9	100.9	7.2	7.2	3.5	<2	-	-					-	-	-	-	
						8.1	0.8	112	26.4	26.4	8.1	8.1	23.6	23.6	99.4	99.5	7.0	7.0	4.0	<2	86	87	821483	814144	<0.2	1.1	<0.2	1.1			
SR2	Cloudy	Moderate	14:21	4.6	Surface	1.0	0.8	112	26.4	26.4	8.1	8.1	23.6	23.6	99.4	99.5	7.0	7.0	4.0	<2	86	87			<0.2	1.1	<0.2	1.1			
						1.0	0.9	117	26.4	26.4	8.1	8.1	23.6	23.6	99.5	99.5	7.0	7.0	4.0	<2	87	89					<0.2	1.1	<0.2	1.1	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.6	0.4	118	26.6	26.6	8.1	8.1	22.3	22.3	100.7	100.8	7.1	7.1	3.3	3	89	90					<0.2	1.2	<0.2	1.2	
						3.6	0.4	129	26.6	26.6	8.1	8.1	22.3	22.3	100.8	100.8	7.1	7.1	3.5	2	90	89					<0.2	1.1	<0.2	1.1	
					Bottom	3.6	0.4	118	26.6	26.6	8.1	8.1	22.3	22.3	100.7	100.8	7.1	7.1	3.3	3	89	90					<0.2	1.2	<0.2	1.2	
						3.6	0.4	129	26.6	26.6	8.1	8.1	22.3	22.3	100.8	100.8	7.1	7.1	3.5	2	90	89					<0.2	1.1	<0.2	1.1	
						8.1	0.3	170	26.6	26.6	8.1	8.1	20.0	20.0	98.6	98.6	7.1	7.1	4.8	2	-	-	822159	807587	-	-	-	-	-	-	
SR3	Cloudy	Moderate	13:21	8.6	Surface	1.0	0.3	170	26.6	26.6	8.1	8.1	20.0	20.0	98.6	98.6	7.1	7.1	4.8	2	-	-			-	-	-	-			
						1.0	0.3	170	26.6	26.6	8.1	8.1	20.0	20.0	98.6	98.6	7.1	7.1	4.6	2	-	-					-	-	-	-	
						4.3	0.2	139	26.5	26.5	8.1	8.1	20.2	20.2	99.5	99.5	7.1	7.1	3.0	4	-	-					-	-	-	-	
					Middle	4.3	0.2	151	26.4	26.4	8.1	8.1	20.2	20.2	99.4	99.4	7.2	7.2	3.1												

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	08:27	6.9	Surface	1.0	0.6	42	26.1	26.0	7.8	7.8	25.7	25.7	88.4	88.3	6.2	6.2	11.2	11.8	4	6	88	92	815620	804244	<0.2	0.8	0.8	0.8						
						1.0	0.6	44	26.0	7.8	7.8	25.7	25.7	88.1	88.3	6.2	6.2	11.8	10.8	6	6	89	93	88	92	815620	804244	<0.2	0.8	0.8	0.8					
						3.5	0.5	33	25.8	7.8	7.8	22.6	23.7	87.0	86.5	6.2	6.1	10.8	10.8	6	7	93	93	92	92	815620	804244	<0.2	0.9	0.9	0.9					
					Middle	3.5	0.6	33	25.8	7.8	7.8	24.7	24.7	86.5	84.3	6.1	5.9	10.8	14.4	7	10	93	95	8	8	88	88	815620	804244	<0.2	0.9	0.9	0.9			
						5.9	0.4	36	25.6	7.8	7.8	28.4	28.4	84.3	84.5	5.9	5.9	14.4	14.3	7	10	93	95	8	8	88	88	815620	804244	<0.2	0.9	0.9	0.9			
						5.9	0.4	38	25.6	7.8	7.8	28.4	28.4	84.6	84.6	5.9	5.9	14.3	14.3	7	12	93	95	8	8	88	88	815620	804244	<0.2	0.8	0.8	0.8			
					C2	Cloudy	Moderate	09:20	11.6	Surface	1.0	0.5	340	26.6	26.6	8.0	8.0	19.5	19.5	99.1	99.1	7.1	7.1	5.5	5.5	3	3	85	88	825659	806955	<0.2	1.5	1.5	1.5	
											1.0	0.6	354	26.6	8.0	8.0	19.5	19.5	99.0	99.0	7.1	7.1	5.5	5.5	2	2	86	86	88	88	825659	806955	<0.2	1.4	1.4	1.4
											5.8	0.4	3	26.5	8.1	8.1	19.6	19.6	99.8	99.9	7.2	7.2	6.2	6.2	3	3	88	89	88	88	825659	806955	<0.2	1.9	1.9	1.9
Middle	5.8	0.4	3	26.4						8.1	8.1	19.7	19.7	100.0	99.5	7.1	7.1	6.2	6.2	3	2	89	90	3	2	89	90	825659	806955	<0.2	2.1	2.1	2.1			
	10.6	0.3	355	26.8						8.1	8.1	19.7	19.7	99.7	99.7	7.1	7.1	3.4	3.4	2	2	90	90	2	2	88	88	825659	806955	<0.2	1.8	1.8	1.8			
	10.6	0.3	327	26.8						8.1	8.1	19.7	19.7	99.7	99.7	7.1	7.1	6.5	6.5	2	2	86	86	2	2	86	86	825659	806955	<0.2	1.3	1.3	1.3			
C3	Cloudy	Moderate	07:38	12.7						Surface	1.0	0.6	239	26.6	26.6	8.0	8.0	21.6	21.6	99.2	99.2	7.1	7.1	6.5	6.5	2	2	85	88	822092	817814	<0.2	1.3	1.3	1.3	
											1.0	0.6	247	26.6	8.0	8.0	21.6	21.6	99.2	99.2	7.1	7.1	6.5	6.5	2	2	85	85	88	88	822092	817814	<0.2	1.2	1.2	1.2
											6.4	0.7	260	26.5	8.0	8.0	21.7	21.7	99.3	99.3	7.1	7.1	5.0	5.0	3	3	88	89	88	88	822092	817814	<0.2	1.3	1.3	1.3
					Middle	6.4	0.7	285	26.5	8.0	8.0	21.7	21.7	99.3	99.3	7.1	7.1	5.0	5.0	3	3	88	89	3	3	89	90	822092	817814	<0.2	1.2	1.2	1.2			
						11.7	0.6	275	26.6	8.0	8.0	22.5	22.5	98.7	98.8	7.0	7.0	4.3	4.3	3	3	90	90	3	3	89	89	822092	817814	<0.2	1.2	1.2	1.2			
						11.7	0.7	298	26.6	8.0	8.0	22.5	22.5	98.8	98.8	7.0	7.0	4.5	4.5	3	3	89	89	3	3	89	89	822092	817814	<0.2	1.4	1.4	1.4			
					IM1	Cloudy	Moderate	08:40	5.3	Surface	1.0	0.2	82	25.7	25.7	7.8	7.8	26.4	26.4	87.3	87.6	6.1	6.1	11.3	11.3	8	8	90	92	817933	807142	<0.2	0.7	0.7	0.7	
											1.0	0.2	82	25.8	7.8	7.8	26.4	26.4	87.8	87.8	6.2	6.2	11.4	11.4	8	8	90	90	92	92	817933	807142	<0.2	0.8	0.8	0.8
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	92	817933	807142
Middle	4.3	0.1	40	25.8						7.8	7.8	26.7	26.7	88.6	88.8	6.2	6.2	13.0	13.0	8	8	93	93	8	8	93	93	817933	807142	<0.2	0.7	0.7	0.7			
	4.3	0.1	42	25.8						7.8	7.8	26.7	26.7	88.9	88.9	6.2	6.2	13.1	13.1	8	8	93	93	8	8	93	93	817933	807142	<0.2	0.8	0.8	0.8			
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	92	817933	807142	<0.2	0.7	0.7	0.7
IM2	Rainy	Moderate	08:47	8.3						Surface	1.0	0.5	16	26.0	26.0	7.9	7.9	25.7	25.7	90.1	90.1	6.3	6.3	11.3	11.3	5	5	89	92	818139	806162	<0.2	0.7	0.7	0.7	
											1.0	0.5	16	26.0	7.9	7.9	25.7	25.7	90.1	90.1	6.3	6.3	11.4	11.4	6	6	89	89	92	92	818139	806162	<0.2	0.8	0.8	0.8
											4.2	0.5	18	25.9	7.9	7.8	25.8	25.8	89.9	90.0	6.3	6.3	11.4	11.4	6	6	93	93	92	92	818139	806162	<0.2	0.8	0.8	0.8
					Middle	4.2	0.5	18	25.9	7.8	7.8	25.9	25.9	90.0	90.0	6.3	6.3	11.7	11.7	6	6	93	93	6	6	93	93	818139	806162	<0.2	0.8	0.8	0.8			
						7.3	0.4	16	25.9	7.8	7.8	26.3	26.3	90.5	90.5	6.3	6.3	10.5	10.5	6	6	95	95	6	6	95	95	818139	806162	<0.2	0.7	0.7	0.7			
						7.3	0.4	16	25.9	7.8	7.8	26.3	26.3	91.3	90.9	6.4	6.4	10.5	10.5	5	5	95	95	5	5	95	95	818139	806162	<0.2	0.7	0.7	0.7			
					IM3	Rainy	Moderate	08:52	8.5	Surface	1.0	0.4	341	25.9	25.9	7.9	7.9	25.5	25.5	91.3	91.3	6.4	6.4	11.0	11.0	5	4	88	92	818767	805604	<0.2	0.7	0.7	0.7	
											1.0	0.4	350	25.9	7.9	7.9	25.5	25.5	91.3	91.3	6.4	6.4	10.9	10.9	4	4	89	89	92	92	818767	805604	<0.2	0.8	0.8	0.8
											4.3	0.5	13	26.0	7.9	7.9	25.3	25.3	91.2	91.3	6.4	6.4	10.7	10.7	4	4	93	93	92	92	818767	805604	<0.2	0.7	0.7	0.7
Middle	4.3	0.5	13	26.0						7.9	7.9	25.3	25.3	91.4	91.4	6.4	6.4	11.1	11.1	5	5	93	93	4	4	93	93	818767	805604	<0.2	0.7	0.7	0.7			
	7.5	0.3	355	25.9						7.9	7.9	25.6	25.6	91.9	92.0	6.5	6.5	13.7	13.7	5	5	95	95	5	5	95	95	818767	805604	<0.2	0.7	0.7	0.7			
	7.5	0.3	327	25.9						7.9	7.9	25.6	25.6	92.1	92.0	6.5	6.5	14.0	14.0	6	6	96	96	6	6	96	96	818767	805604	<0.2	0.8	0.8	0.8			
IM4	Cloudy	Moderate	09:00	8.6						Surface	1.0	0.6	346	26.0	26.0	7.9	7.9	25.1	25.1	91.6	91.7	6.5	6.5	9.7	9.8	4	4	89	93	819708	804593	<0.2	0.9	0.9	0.9	
											1.0	0.6	346	26.0	7.9	7.9	25.1	25.1	91.7	91.7	6.5	6.5	9.8	9.8	4	4	89	89	93	93	819708	804593	<0.2	1.0	1.0	1.0
											4.3	0.7	3	25.9	7.9	7.9	25.1	25.1	92.2	92.2	6.5	6.5	12.4	12.4	4	4	93	94	93	93	819708	804593	<0.2	0.9	0.9	0.9
					Middle	4.3	0.8	3	25.9	7.9	7.9	25.1	25.1	92.2	92.2	6.5	6.5	12.4	12.4	5	5	94	94	4	4	94	95	819708	804593	<0.2	0.9	0.9	0.9			
						7.6	0.5	358	25.9	7.8	7.8	25.2	25.2	92.9	92.9	6.5	6.5	11.3	11.3	4	4	95	95	4	4	95	95	819708	804593	<0.2	0.9	0.9	0.9			
						7.6	0.5	329	25.9	7.8	7.8	25.2	25.2	92.9	92.9	6.6	6.6	11.5	11.5	4	4	95	95	4	4	95	95	819708	804593	<0.2	0.8	0.8	0.8			
					IM5	Cloudy	Moderate	09:06	8.2	Surface	1.0	1.0	6	25.7	25.7	7.9	7.9	25.2	25.1	91.5	91.4	6.5	6.5	9.4	9.5	5	4	89	92	820713	804874	<0.2	0.8	0.8	0.8	
											1.0	1.0	6	25.7	7.9	7.9	25.1	25.1	91.2	91.6	6.4	6.4	10.1	10.2	4	5	88	93	92	92	820713	804874	<0.2	0.7	0.7	0.7

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

Water Quality Monitoring Results on 21 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM9	Cloudy	Moderate	08:49	7.5	Surface	1.0	0.4	29	26.8	26.8	8.0	8.0	20.3	20.3	96.0	96.0	6.9	6.9	7.0	3	86	88	822070	808795	<0.2	1.4	<0.2	1.4					
						1.0	0.4	30	26.8	8.0	8.0	20.3	20.3	95.9	95.9	6.9	6.9	7.0	2	85	88	<0.2	1.3	<0.2	1.4								
						3.8	0.3	23	26.8	8.0	8.0	20.4	20.4	95.8	95.8	6.8	6.8	8.2	4	88	88	<0.2	1.5	<0.2	1.4								
					Middle	3.8	0.3	24	26.8	26.8	8.0	8.0	20.4	20.4	95.7	95.7	6.8	6.8	8.2	3	89	6	90	88	<0.2	1.4	<0.2	1.4					
						6.5	0.2	1	26.8	26.8	8.0	8.0	20.9	20.9	95.7	95.7	6.8	6.8	9.8	6	90	3	91	88	<0.2	1.4	<0.2	1.4					
						6.5	0.2	1	26.8	26.8	8.0	8.0	20.9	20.9	95.7	95.7	6.8	6.8	9.9	5	91	3	91	88	<0.2	1.4	<0.2	1.4					
					IM10	Cloudy	Moderate	08:42	7.7	Surface	1.0	0.9	319	26.6	26.6	8.1	8.1	21.1	21.1	99.5	99.5	7.1	7.1	7.3	3	85	88	822388	809810	<0.2	1.6	<0.2	1.6
											1.0	0.9	342	26.6	26.6	8.1	8.1	21.1	21.1	99.4	99.4	7.1	7.1	7.3	2	86	87	<0.2	1.5	<0.2	1.4		
											3.9	0.7	316	26.5	26.5	8.1	8.1	21.3	21.3	99.7	99.7	7.1	7.1	4.0	2	87	89	<0.2	1.4	<0.2	1.4		
Middle	3.9	0.7	331	26.5						26.5	8.1	8.1	21.3	21.3	99.7	99.7	7.1	7.1	4.3	4	89	3	90	88	<0.2	1.4	<0.2	1.4					
	6.7	0.7	320	26.4						26.4	8.1	8.1	21.4	21.4	99.9	99.9	7.1	7.1	3.5	3	90	3	91	88	<0.2	1.8	<0.2	1.6					
	6.7	0.7	335	26.4						26.4	8.1	8.1	21.5	21.4	99.9	99.9	7.1	7.1	3.3	3	92	3	92	88	<0.2	1.6	<0.2	1.6					
IM11	Rainy	Moderate	08:33	7.6						Surface	1.0	0.6	273	26.5	26.5	8.0	8.0	21.4	21.4	97.0	97.0	6.9	6.9	3.4	3	86	88	822044	811438	<0.2	1.4	<0.2	1.4
											1.0	0.6	289	26.5	26.5	8.0	8.0	21.4	21.4	96.9	96.9	6.9	6.9	3.4	4	85	87	<0.2	1.4	<0.2	1.4		
											3.8	0.5	294	26.3	26.3	8.0	8.0	22.3	22.3	96.3	96.3	6.9	6.9	2.9	3	87	88	<0.2	1.4	<0.2	1.3		
					Middle	3.8	0.5	322	26.3	26.3	8.0	8.0	22.3	22.3	96.3	96.3	6.9	6.9	3.0	3	88	4	89	88	<0.2	1.3	<0.2	1.3					
						6.6	0.2	281	26.2	26.2	8.0	8.0	23.5	23.5	96.3	96.4	6.8	6.8	3.1	4	89	3	90	88	<0.2	1.4	<0.2	1.4					
						6.6	0.3	283	26.2	26.2	8.0	8.0	23.5	23.5	96.4	96.4	6.8	6.8	3.1	5	90	3	90	88	<0.2	1.3	<0.2	1.3					
					IM12	Rainy	Moderate	08:25	8.2	Surface	1.0	0.6	276	26.6	26.6	8.0	8.0	20.9	20.9	98.1	98.1	7.0	7.0	2.4	3	86	88	821451	812042	<0.2	1.6	<0.2	1.5
											1.0	0.6	278	26.6	26.6	8.0	8.0	21.1	21.1	98.1	98.1	7.0	7.0	2.5	2	86	88	<0.2	1.5	<0.2	1.4		
											4.1	0.6	276	26.6	26.6	8.0	8.0	21.1	21.1	98.1	98.1	7.0	7.0	8.9	3	88	89	<0.2	1.4	<0.2	1.4		
Middle	4.1	0.6	289	26.6						26.6	8.0	8.0	21.1	21.1	98.1	98.1	7.0	7.0	8.9	4	89	3	90	88	<0.2	1.4	<0.2	1.4					
	7.2	0.4	287	26.5						26.5	8.0	8.0	22.2	22.2	97.3	97.4	6.9	6.9	2.0	4	90	3	91	88	<0.2	1.6	<0.2	1.4					
	7.2	0.4	310	26.5						26.5	8.0	8.0	22.2	22.2	97.4	97.4	6.9	6.9	2.0	3	90	3	90	88	<0.2	1.4	<0.2	1.4					
SR1A	Rainy	Moderate	08:11	4.9						Surface	1.0	-	-	27.0	27.0	8.0	8.0	19.6	19.6	97.5	97.5	7.0	7.0	3.2	2	-	-	819973	812662	-	-	-	-
											1.0	-	-	27.0	27.0	8.0	8.0	19.6	19.6	97.5	97.5	7.0	7.0	3.4	3	-	-	-	-	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.9	-	-	26.8	26.8	8.0	8.0	20.3	20.3	99.4	99.5	7.1	7.1	6.2	3	-	-	-	-	-	-	-	-	-	-			
						3.9	-	-	26.8	26.8	8.0	8.0	20.3	20.3	99.5	99.5	7.1	7.1	6.1	2	-	-	-	-	-	-	-	-	-	-			
					SR2	Rainy	Moderate	07:59	4.8	Surface	1.0	0.8	306	26.5	26.5	8.0	8.0	20.0	20.0	97.6	97.6	7.0	7.0	6.7	6	87	88	821448	814177	<0.2	1.5	<0.2	1.4
											1.0	0.8	308	26.5	26.5	8.0	8.0	20.0	20.0	97.5	97.5	7.0	7.0	6.7	5	86	89	<0.2	1.4	<0.2	1.4		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3.8	0.4	301	26.4						26.4	8.0	8.0	23.0	23.0	98.4	98.6	7.0	7.0	12.5	12	89	12	90	88	<0.2	1.4	<0.2	1.4					
	3.8	0.4	327	26.4						26.4	8.0	8.0	23.0	23.0	98.7	98.6	7.0	7.0	12.5	12	90	12	90	88	<0.2	1.4	<0.2	1.4					
SR3	Cloudy	Moderate	09:01	8.6						Surface	1.0	0.1	234	26.6	26.6	8.0	8.0	19.8	19.8	98.2	98.2	7.1	7.1	5.8	3	-	-	822151	807587	-	-	-	-
											1.0	0.1	245	26.5	26.5	8.0	8.0	19.8	19.8	98.1	98.1	7.1	7.1	5.4	3	-	-	-	-	-	-	-	-
											4.3	0.2	271	26.3	26.3	8.0	8.0	20.4	20.4	98.6	98.7	7.1	7.1	9.3	3	-	-	-	-	-	-	-	-
					Middle	4.3	0.2	275	26.2	26.2	8.0	8.0	20.5	20.4	98.7	98.7	7.1	7.1	9.3	3	-	-	-	-	-	-	-	-	-				
						7.6	0.3	263	26.3	26.3	8.0	8.0	21.4	21.4	99.2	99.3	7.1	7.1	4.7	7	-	-	-	-	-	-	-	-					
						7.6	0.3	269	26.3	26.3	8.0	8.0	21.4	21.4	99.4	99.3	7.1	7.1	4.7	7	-	-	-	-	-	-	-	-					
					SR4A	Cloudy	Calm	08:11	9.9	Surface	1.0	0.1	203	27.0	27.0	7.8	7.8	22.4	22.4	92.9	92.9	6.5	6.5	9.2	3	-	-	817166	807828	-	-	-	-
											1.0	0.1	217	27.0	27.0	7.8	7.8	22.4	22.4	92.9	92.9	6.5	6.5	9.2	3	-	-	-	-	-	-	-	
											5.0	0.1	205	26.9	26.9	7.8	7.8	22.5	22.5	92.6	92.7	6.5	6.5	9.4	5	-	-	-	-	-	-	-	
Middle	5.0	0.1	221	26.9						26.9	7.8	7.8	22.5	22.5	92.7	92.7	6.5	6.5	9.4	5	-	-	-	-	-	-	-	-					
	8.9	0.2	287	26.8						26.7	7.8	7.8	23.2	23.2	92.2	92.5	6.5	6.5	10.0	5	-	-	-	-	-	-	-						
	8.9	0.2	288	26.7						26.7	7.8	7.8	23.2	23.2	92.8	92.5	6.5	6.5	10.1	5	-	-	-	-	-	-	-						
SR5A	Cloudy	Calm	07:56	5.8						Surface	1.0	0.3	244	27.3	27.3	7.8	7.8	21.1	21.1	94.8	94.9	6.7	6.7	10.3	5	-	-	816573	810685	-	-	-	-
											1.0	0.3	249	27.3	27.3	7.8	7.8	21.1	21.1	94.9	94.9	6.7	6.7	10.3	5	-	-	-	-	-	-	-	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.8	0.1	294	27.2	27.2	7.9	7.9	21.9	21.9	94.7	94.8	6.7	6.7	9.7	6	-	-	-	-	-	-	-						
						4.8	0.1	299	27.2	27.2	7.9	7.9	21.9	21.9	94.8	94.8	6.7	6.7	9.7	5	-	-	-	-	-	-	-						
					SR6	Cloudy	Calm	07:28	4.7	Surface	1.0	0.1	262	27.0	27.0	7.8	7.8	21.5	21.5														

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	15:17	8.7	Surface	1.0	0.2	155	26.9	26.9	8.0	8.0	20.2	20.2	100.6	100.6	7.2	7.2	4.6	7.2	<2	3	89	92	815606	804224	<0.2	1.7	1.6							
						1.0	0.2	157	26.9	26.9	8.0	8.0	20.2	20.2	100.6	100.6	7.2	7.2	4.7	7.2	<2	3	89	92	815606	804224	<0.2	1.7	1.6							
						4.4	0.3	176	26.7	26.7	8.0	8.0	19.7	19.7	99.1	99.2	7.1	7.1	14.3	7.2	2	3	93	92	815606	804224	<0.2	1.5	1.6							
					Middle	4.4	0.3	176	26.7	26.7	8.0	8.0	19.7	19.7	99.2	99.2	7.1	7.1	14.2	7.2	3	3	93	92	815606	804224	<0.2	1.6	1.6							
						7.7	0.1	161	26.3	26.3	8.1	8.1	22.9	22.9	97.9	97.9	6.9	6.9	3.7	7.0	4	4	94	92	815606	804224	<0.2	1.6	1.6							
						7.7	0.1	161	26.3	26.3	8.1	8.1	22.9	22.9	97.9	97.9	6.9	6.9	3.9	7.0	4	4	95	92	815606	804224	<0.2	1.6	1.6							
					C2	Cloudy	Moderate	14:19	12.2	Surface	1.0	0.5	130	27.0	27.0	8.1	8.1	18.2	18.2	100.3	100.3	7.2	7.2	4.8	7.2	5	4	85	87	825663	806934	<0.2	1.9	1.9		
											1.0	0.5	152	27.0	27.0	8.1	8.1	18.2	18.2	100.2	100.2	7.2	7.2	4.8	7.2	5	4	85	87	825663	806934	<0.2	1.8	1.9		
											6.1	0.6	144	26.7	26.7	8.0	8.0	18.9	18.9	99.7	99.7	7.2	7.2	3.9	7.2	4	4	88	87	825663	806934	<0.2	2.0	2.0		
Middle	6.1	0.6	144	26.7						26.7	8.0	8.0	18.9	18.9	99.7	99.7	7.2	7.2	3.8	7.2	4	4	87	4	87	87	825663	806934	<0.2	2.0	2.0					
	11.2	0.5	138	26.7						26.7	8.0	8.0	21.5	21.5	98.4	98.6	7.0	7.0	6.5	7.0	4	4	88	4	88	87	825663	806934	<0.2	1.9	1.9					
	11.2	0.5	140	26.8						26.8	8.0	8.0	21.5	21.5	98.7	98.6	7.0	7.0	6.6	7.0	4	4	89	4	89	87	825663	806934	<0.2	1.9	1.9					
C3	Cloudy	Moderate	16:11	12.3						Surface	1.0	0.4	75	26.5	26.5	8.1	8.1	21.2	21.3	101.9	101.7	7.3	7.3	9.4	7.2	4	4	86	88	822129	817820	<0.2	1.5	1.5		
											1.0	0.4	75	26.4	26.4	8.1	8.1	21.3	21.3	101.5	101.7	7.3	7.3	9.4	7.2	4	4	86	4	86	88	822129	817820	<0.2	1.4	1.4
											6.2	0.1	81	26.1	26.1	8.1	8.1	24.7	24.7	99.9	99.9	7.0	7.0	3.2	7.2	4	4	88	4	88	88	822129	817820	<0.2	1.5	1.5
					Middle	6.2	0.1	86	26.1	26.1	8.1	8.1	24.7	24.7	99.9	99.9	7.0	7.0	3.2	7.2	4	4	87	4	87	88	822129	817820	<0.2	1.4	1.4					
						11.3	0.2	97	26.1	26.2	8.1	8.1	27.5	27.5	96.8	96.8	6.7	6.7	4.4	7.2	4	4	90	4	90	88	822129	817820	<0.2	1.4	1.4					
						11.3	0.2	106	26.2	26.2	8.1	8.1	27.4	27.5	96.7	96.8	6.7	6.7	4.6	7.2	3	3	89	4	89	88	822129	817820	<0.2	1.6	1.6					
					IM1	Cloudy	Calm	15:02	5.4	Surface	1.0	0.1	217	26.6	26.6	8.0	8.0	19.0	19.0	100.9	100.9	7.3	7.3	1.6	7.3	5	3	90	91	817963	807139	<0.2	1.5	1.6		
											1.0	0.1	217	26.6	26.6	8.1	8.1	19.0	19.0	100.9	100.9	7.3	7.3	1.6	7.3	4	3	90	91	817963	807139	<0.2	1.6	1.6		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	817963	807139	<0.2	-	-				
	4.4	0.0	205	26.5						26.5	8.1	8.1	19.9	19.9	100.7	100.7	7.2	7.2	10.5	7.2	2	3	92	3	92	91	817963	807139	<0.2	1.7	1.7					
	4.4	0.0	210	26.5						26.5	8.1	8.1	19.9	19.9	100.7	100.7	7.2	7.2	10.5	7.2	2	3	93	3	93	91	817963	807139	<0.2	1.7	1.7					
IM2	Cloudy	Moderate	14:56	7.5						Surface	1.0	0.3	203	26.5	26.5	8.0	8.0	20.0	20.0	100.6	100.6	7.2	7.2	1.5	7.2	6	5	89	93	818146	806158	<0.2	1.5	1.6		
											1.0	0.3	203	26.5	26.5	8.0	8.0	20.0	20.0	100.6	100.6	7.2	7.2	1.5	7.2	7	5	90	5	90	93	818146	806158	<0.2	1.5	1.6
											3.8	0.4	222	26.5	26.5	8.1	8.1	19.9	19.9	100.5	100.5	7.2	7.2	1.3	7.2	5	5	94	5	94	93	818146	806158	<0.2	1.6	1.6
					Middle	3.8	0.4	211	26.5	26.5	8.1	8.1	19.9	19.9	100.5	100.5	7.2	7.2	1.3	7.2	5	5	93	5	93	93	818146	806158	<0.2	1.6	1.6					
						6.5	0.2	252	26.5	26.5	8.1	8.1	20.4	20.3	100.5	100.6	7.2	7.2	2.7	7.2	5	5	95	5	95	93	818146	806158	<0.2	1.6	1.6					
						6.5	0.2	232	26.5	26.5	8.1	8.1	20.3	20.3	100.7	100.6	7.2	7.2	2.7	7.2	4	4	96	5	96	93	818146	806158	<0.2	1.6	1.6					
					IM3	Cloudy	Moderate	14:50	7.7	Surface	1.0	0.2	210	26.4	26.4	8.0	8.0	20.5	20.5	101.0	101.1	7.3	7.3	1.9	7.3	4	4	89	93	818806	805611	<0.2	1.6	1.6		
											1.0	0.2	223	26.4	26.4	8.0	8.0	20.5	20.5	101.1	101.1	7.3	7.3	2.1	7.3	4	4	89	4	89	93	818806	805611	<0.2	1.5	1.5
											3.9	0.4	236	26.5	26.5	8.0	8.0	19.6	19.6	101.4	101.4	7.3	7.3	2.0	7.3	3	4	94	4	94	93	818806	805611	<0.2	1.6	1.6
Middle	3.9	0.4	242	26.4						26.4	8.0	8.0	19.6	19.6	101.3	101.4	7.3	7.3	2.0	7.3	4	4	94	4	94	93	818806	805611	<0.2	1.6	1.6					
	6.7	0.4	246	26.4						26.4	8.1	8.1	21.6	21.6	100.8	100.8	7.2	7.2	1.6	7.2	4	4	95	4	95	93	818806	805611	<0.2	1.6	1.6					
	6.7	0.4	248	26.4						26.4	8.1	8.1	21.6	21.6	100.7	100.8	7.2	7.2	1.7	7.2	4	4	96	4	96	93	818806	805611	<0.2	1.5	1.5					
IM4	Cloudy	Moderate	14:42	8.6						Surface	1.0	0.4	207	26.5	26.5	8.0	8.0	18.1	18.1	100.4	100.4	7.3	7.3	3.5	7.3	5	4	89	92	819748	804603	<0.2	1.8	1.7		
											1.0	0.5	221	26.5	26.5	8.0	8.0	18.1	18.1	100.4	100.4	7.3	7.3	3.2	7.3	4	4	89	4	89	92	819748	804603	<0.2	1.7	1.7
											4.3	0.4	258	26.5	26.5	8.1	8.1	18.1	18.1	100.2	100.2	7.3	7.3	5.3	7.3	3	4	93	4	93	92	819748	804603	<0.2	1.6	1.6
					Middle	4.3	0.5	229	26.4	26.4	8.1	8.1	18.1	18.1	100.1	100.2	7.3	7.3	5.0	7.3	4	4	93	4	93	92	819748	804603	<0.2	1.6	1.6					
						7.6	0.4	215	26.4	26.4	8.1	8.1	21.1	21.1	99.8	99.9	7.1	7.1	3.4	7.2	4	4	95	4	95	92	819748	804603	<0.2	1.8	1.8					
						7.6	0.4	218	26.4	26.4	8.1	8.1	21.1	21.1	100.0	99.9	7.1	7.1	3.4	7.2	3	4	95	4	95	92	819748	804603	<0.2	1.4	1.4					
					IM5	Cloudy	Moderate	14:34	8.2	Surface	1.0	0.7	223	26.4	26.4	8.0	8.0	21.6	21.5	100.1	100.1	7.1	7.1	2.3	7.1	3	5	89	92	820747	804843	<0.2	1.7	1.8		
											1.0	0.8	224	26.4	26.4	8.0	8.0	21.5	21.5	100.0	100.1	7.1	7.1	2.3	7.1	4	5	89	5	89	92	820747	804843	<0.2	1.7	1.7
											4.1	0.6	225	26.5	26.5	8.0	8.0	21.8	21.8	100.2	100.3	7.1	7.1	3.3	7.1	6	5	92	5	92	92	820747	804843	<0.2	1.8	1.8
Middle	4.1	0.7	225	26.5						26.5	8.0	8.0	21.8	21.8	100.3	100.3	7.1	7.1	3.3	7.1	5	5	93	5	93	92	820747	8								

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

Water Quality Monitoring Results on 23 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Moderate	15:04	7.2	Surface	1.0	0.2	168	26.6	26.6	8.1	8.1	21.3	21.3	98.4	98.4	7.0	7.0	8.4	4	85	88	88	88	822108	808831	<0.2	2.0	<0.2	1.8							
						1.0	0.3	163	26.6	8.1	8.1	21.3	21.3	98.4	98.4	7.0	7.0	8.4	5	86	88	88	88	<0.2			1.9	<0.2	1.7								
						3.6	0.2	178	26.5	8.1	8.0	21.4	21.4	99.1	99.2	7.1	7.1	4.8	5	88	88	88	88	<0.2			1.7	<0.2	1.7								
					Middle	3.6	0.3	183	26.5	8.0	8.0	21.4	21.4	99.2	99.2	7.1	7.1	4.8	4	87	88	88	88	<0.2			1.7	<0.2	1.7								
						6.2	0.2	178	26.4	8.0	8.0	21.7	21.7	99.1	99.2	7.1	7.1	6.4	7	90	88	88	88	<0.2			1.7	<0.2	1.9								
						6.2	0.2	177	26.4	8.0	8.0	21.7	21.7	99.3	99.2	7.1	7.1	6.1	6	90	88	88	88	<0.2			1.9	<0.2	1.9								
					IM10	Cloudy	Moderate	15:13	7.6	Surface	1.0	0.4	155	26.6	26.6	8.1	8.1	20.9	20.9	98.7	98.7	7.0	7.0	7.6			5	85	88	88	88	822369	809776	<0.2	1.5	<0.2	1.5
											1.0	0.4	152	26.6	8.1	8.1	20.9	20.9	98.7	98.7	7.0	7.0	7.6	6			84	88	88	88	<0.2			1.5	<0.2	1.5	
											3.8	0.3	138	26.5	8.1	8.1	21.5	21.5	99.0	99.1	7.1	7.1	6.2	6			88	88	88	88	<0.2			1.5	<0.2	1.5	
Middle	3.8	0.4	120	26.5						8.1	8.1	21.5	21.5	99.1	99.1	7.1	7.1	6.8	7	87	88	88	88	<0.2	1.5	<0.2	1.5										
	6.6	0.2	152	26.5						8.1	8.1	22.4	22.4	99.0	99.0	7.0	7.0	3.4	6	91	88	88	88	<0.2	1.6	<0.2	1.6										
	6.6	0.2	133	26.5						8.1	8.1	22.4	22.4	99.0	99.0	7.0	7.0	3.7	7	89	88	88	88	<0.2	1.6	<0.2	1.6										
IM11	Cloudy	Moderate	15:25	7.8						Surface	1.0	0.1	126	26.5	26.5	8.1	8.1	22.0	22.0	99.4	99.3	7.1	7.1	6.5	6	85	88	88	88	822042	811479			<0.2	1.6	<0.2	1.6
											1.0	0.1	123	26.5	8.1	8.1	22.0	22.0	99.2	99.2	7.1	7.1	6.5	6	86	88	88	88	<0.2					1.5	<0.2	1.5	
											3.9	0.1	127	26.3	8.1	8.1	22.9	22.9	97.2	97.2	6.9	6.9	3.0	5	90	88	88	88	<0.2					1.6	<0.2	1.6	
					Middle	3.9	0.1	129	26.3	8.1	8.1	22.9	22.9	97.1	97.2	6.9	6.9	2.9	5	89	88	88	88	<0.2	1.7	<0.2	1.7										
						6.8	0.1	158	26.1	8.1	8.1	24.0	24.0	98.9	99.1	7.0	7.0	2.5	4	88	88	88	88	<0.2	1.6	<0.2	1.6										
						6.8	0.1	156	26.1	8.1	8.1	24.0	24.0	99.2	99.1	7.0	7.0	2.5	5	89	88	88	88	<0.2	1.5	<0.2	1.5										
					IM12	Cloudy	Moderate	15:31	8.2	Surface	1.0	0.1	119	26.2	26.2	8.1	8.1	23.7	23.7	98.0	98.0	6.9	6.9	5.0	4	86	88	88	88			821445	812066	<0.2	1.7	<0.2	1.4
											1.0	0.1	121	26.2	8.1	8.1	23.7	23.7	97.9	98.0	6.9	6.9	5.0	3	85	88	88	88	<0.2					1.4	<0.2	1.4	
											4.1	0.1	144	26.0	8.1	8.1	24.4	24.4	98.2	98.3	6.9	6.9	6.6	6	88	88	88	88	<0.2					1.4	<0.2	1.4	
Middle	4.1	0.1	145	26.0						8.1	8.1	24.4	24.4	98.4	98.3	7.0	7.0	6.6	6	89	88	88	88	<0.2	1.4	<0.2	1.4										
	7.2	0.2	121	25.7						8.1	8.1	24.8	24.8	99.6	99.8	7.1	7.1	8.9	7	90	88	88	88	<0.2	1.5	<0.2	1.5										
	7.2	0.2	124	25.7						8.1	8.1	24.8	24.8	99.9	99.9	7.1	7.1	8.1	8	90	88	88	88	<0.2	1.5	<0.2	1.5										
SR1A	Cloudy	Moderate	15:45	4.9						Surface	1.0	-	-	26.0	26.0	8.1	8.1	24.6	24.6	99.2	99.3	7.0	7.0	3.4	4	-	-	-	-	819980	812660			-	-	-	-
											1.0	-	-	25.9	26.0	8.1	8.1	24.6	24.6	99.4	99.3	7.0	7.0	3.4	3	-	-	-	-					-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						3.9	-	-	25.9	25.9	8.1	8.1	24.3	24.3	100.1	100.1	7.1	7.1	3.9	4	-	-	-	-	-	-	-	-	-			-					
						3.9	-	-	25.8	25.9	8.1	8.1	24.3	24.3	100.1	100.1	7.1	7.1	3.9	4	-	-	-	-	-	-	-	-	-			-					
					SR2	Cloudy	Moderate	15:51	4.7	Surface	1.0	0.3	149	26.3	26.3	8.1	8.1	24.5	24.5	98.3	98.4	6.9	6.9	2.8	3	85	86	86	86			821464	814169	<0.2	1.6	<0.2	1.6
											1.0	0.3	159	26.3	8.1	8.1	24.5	24.5	98.5	98.4	6.9	6.9	2.8	4	86	86	86	86	<0.2					1.6	<0.2	1.6	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.7	0.1	32	26.2						8.1	8.1	22.5	22.5	98.7	98.8	7.0	7.0	8.3	4	87	87	87	87	<0.2	1.6	<0.2	1.6										
	3.7	0.1	35	26.1						8.1	8.1	22.5	22.5	98.8	98.8	7.0	7.0	8.3	5	89	87	87	87	<0.2	1.5	<0.2	1.5										
SR3	Cloudy	Moderate	14:52	8.4						Surface	1.0	0.1	174	26.8	26.8	8.1	8.1	19.8	19.8	99.8	99.9	7.2	7.2	9.7	4	-	-	-	-	822140	807594			-	-	-	-
											1.0	0.1	175	26.8	8.1	8.1	19.8	19.8	99.9	99.9	7.2	7.2	9.7	4	-	-	-	-	-					-	-	-	
											4.2	0.2	152	26.8	8.1	8.1	19.8	19.8	99.9	99.9	7.2	7.2	7.1	3	-	-	-	-	-					-	-	-	
					Middle	4.2	0.2	153	26.8	8.1	8.1	19.9	19.8	99.9	99.9	7.2	7.2	7.1	3	-	-	-	-	-	-	-	-	-	-								
						7.4	0.3	174	26.7	8.1	8.1	22.8	22.8	97.0	97.0	6.8	6.8	8.8	6	-	-	-	-	-	-	-	-	-									
						7.4	0.3	176	26.7	8.1	8.1	22.8	22.8	97.0	97.0	6.8	6.8	8.8	6	-	-	-	-	-	-	-	-	-									
					SR4A	Cloudy	Calm	15:32	8.5	Surface	1.0	0.6	97	26.8	26.8	8.0	8.0	21.8	21.8	104.7	104.7	7.4	7.4	2.1	4	-	-	-	-			817201	807786	-	-	-	-
											1.0	0.6	101	26.8	8.0	8.0	21.8	21.8	104.6	104.7	7.4	7.4	2.0	5	-	-	-	-	-					-	-	-	
											4.3	0.5	85	26.8	8.1	8.1	21.6	21.6	104.2	104.2	7.4	7.4	1.8	5	-	-	-	-	-					-	-	-	
Middle	4.3	0.5	91	26.8						8.1	8.1	21.6	21.6	104.1	104.2	7.4	7.4	2.1	5	-	-	-	-	-	-	-	-	-									
	7.5	0.4	99	26.8						8.1	8.1	23.0	23.0	103.5	103.4	7.3	7.3	2.9	7	-	-	-	-	-	-	-	-										
	7.5	0.4	107	26.8						8.1	8.1	23.0	23.0	103.2	103.4	7.3	7.3	2.9	6	-	-	-	-	-	-	-	-										
SR5A	Cloudy	Calm	15:47	5.4						Surface	1.0	0.2	27	26.9	26.9	8.0	8.0	22.9	22.9	103.2	103.3	7.3	7.3	1.8	2	-	-	-	-	816583	810713			-	-	-	-
											1.0	0.2	27	26.9	8.0	8.0	22.9	22.9	103.3	103.3	7.3	7.3	1.8	4	-	-	-	-	-					-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						4.4	0.1	0	26.9	8.1	8.1	23.1	23.1	103.5	103.5	7.3	7.3	1.2	3	-	-	-	-	-	-	-	-										
						4.4	0.1	0	26.9	8.1	8.1	23.1	23.1	103.5	103.5	7.3	7.3	1.3	4	-	-	-	-	-	-	-	-										
					SR6	Cloudy	Calm	16:21	5.7	Surface																											

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

Water Quality Monitoring Results on 23 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	08:30	8.5	Surface	1.0	0.6	19	26.5	26.5	8.0	8.0	22.7	22.7	100.6	100.6	7.1	7.1	4.0	4.0	6	92	94	815609	804267	<0.2	1.5	1.4	1.4			
						1.0	0.6	20	26.5	26.5	8.0	8.0	22.7	22.7	100.6	100.6	7.1	7.1	4.0	4.0	7	92	94	815609	804267	<0.2	1.5	1.4	1.4			
					Middle	4.3	0.5	4	26.6	26.6	8.0	8.0	22.8	22.8	100.4	100.3	7.1	7.1	2.7	2.7	6	93	94	815609	804267	<0.2	1.5	1.3	1.3			
						4.3	0.5	4	26.6	26.6	8.0	8.0	22.8	22.8	100.2	100.2	7.1	7.1	2.7	2.7	7	94	95	815609	804267	<0.2	1.5	1.3	1.3			
						7.5	0.3	14	26.5	26.5	8.1	8.1	23.4	23.4	99.6	99.6	7.0	7.0	4.9	4.9	2	95	96	815609	804267	<0.2	1.5	1.3	1.3			
						7.5	0.3	14	26.5	26.5	8.1	8.1	23.4	23.4	99.6	99.6	7.0	7.0	5.0	5.0	4	95	96	815609	804267	<0.2	1.5	1.3	1.3			
C2	Cloudy	Moderate	10:18	12.2	Surface	1.0	0.6	330	27.1	27.1	8.1	8.1	18.1	18.1	100.7	100.7	7.2	7.2	4.2	4.2	3	86	87	825663	806932	<0.2	1.8	1.6	1.7			
						1.0	0.6	357	27.1	27.1	8.1	8.1	18.1	18.1	100.6	100.6	7.2	7.2	4.2	4.2	<2	85	87	825663	806932	<0.2	1.8	1.6	1.7			
					Middle	6.1	0.5	350	27.1	27.1	8.1	8.1	18.6	18.6	100.2	100.2	7.2	7.2	5.9	5.9	4	87	88	825663	806932	<0.2	1.8	1.6	1.7			
						6.1	0.6	357	27.1	27.1	8.1	8.1	18.6	18.6	100.2	100.2	7.2	7.2	5.9	5.9	4	88	89	825663	806932	<0.2	1.8	1.6	1.7			
						11.2	0.5	336	26.8	26.8	8.1	8.1	20.0	20.0	98.5	98.5	7.1	7.1	6.9	6.9	4	88	89	825663	806932	<0.2	1.8	1.6	1.7			
						11.2	0.5	309	26.8	26.8	8.1	8.1	20.0	20.0	98.5	98.5	7.1	7.1	6.9	6.9	4	90	91	825663	806932	<0.2	1.8	1.6	1.7			
C3	Cloudy	Moderate	08:40	12.2	Surface	1.0	0.4	269	26.9	26.9	8.1	8.1	20.0	20.0	100.0	100.0	7.1	7.1	8.3	8.3	2	84	85	822101	817797	<0.2	1.4	1.4	1.6			
						1.0	0.4	276	26.9	26.9	8.1	8.1	20.0	20.0	100.0	100.0	7.1	7.1	8.3	8.3	2	85	86	822101	817797	<0.2	1.5	1.7	1.7			
					Middle	6.1	0.5	272	26.6	26.6	8.1	8.1	21.7	21.7	97.8	97.7	7.0	7.0	8.7	8.7	<2	86	87	822101	817797	<0.2	1.5	1.7	1.7			
						6.1	0.5	294	26.5	26.5	8.1	8.1	21.7	21.7	97.6	97.6	7.0	7.0	8.6	8.6	<2	86	87	822101	817797	<0.2	1.5	1.7	1.7			
						11.2	0.5	284	26.4	26.4	8.0	8.0	24.0	24.0	97.0	97.0	6.8	6.8	4.7	4.7	<2	89	90	822101	817797	<0.2	1.7	1.6	1.6			
						11.2	0.5	300	26.5	26.5	8.0	8.0	24.0	24.0	97.0	97.0	6.8	6.8	4.7	4.7	2	89	90	822101	817797	<0.2	1.6	1.6	1.6			
IM1	Cloudy	Moderate	08:42	5.7	Surface	1.0	0.2	359	26.5	26.5	8.0	8.0	23.7	23.6	98.4	98.4	6.9	6.9	7.4	7.4	3	89	91	817968	807142	<0.2	1.4	1.3	1.3			
						1.0	0.3	330	26.5	26.5	8.0	8.0	23.6	23.6	98.4	98.4	6.9	6.9	7.5	7.5	3	89	91	817968	807142	<0.2	1.3	1.3	1.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	817968	807142	<0.2	1.3	1.3	1.3
						4.7	0.1	3	26.5	26.6	8.1	8.1	23.8	23.8	98.6	98.8	6.9	7.0	4.1	4.1	3	92	93	817968	807142	<0.2	1.2	1.3	1.3			
						4.7	0.1	3	26.6	26.6	8.1	8.1	23.8	23.8	99.0	98.8	7.0	7.0	4.1	4.1	3	93	94	817968	807142	<0.2	1.2	1.3	1.3			
						4.7	0.1	3	26.6	26.6	8.1	8.1	23.8	23.8	99.0	98.8	7.0	7.0	4.1	4.1	3	93	94	817968	807142	<0.2	1.2	1.3	1.3			
IM2	Cloudy	Moderate	08:49	7.2	Surface	1.0	0.3	12	26.7	26.7	8.0	8.0	22.4	22.4	103.7	103.7	7.3	7.3	2.8	2.8	4	88	92	818151	806144	<0.2	1.5	1.7	1.3			
						1.0	0.3	12	26.7	26.7	8.0	8.0	22.4	22.4	103.6	103.2	7.3	7.3	2.8	2.8	3	89	93	818151	806144	<0.2	1.7	1.2	1.2			
					Middle	3.6	0.3	9	26.6	26.6	8.0	8.0	22.5	22.5	103.2	103.2	7.3	7.3	2.1	2.1	2	93	94	818151	806144	<0.2	1.2	1.2	1.2			
						3.6	0.4	9	26.6	26.6	8.0	8.0	22.5	22.5	103.1	103.1	7.3	7.3	2.0	2.0	<2	93	94	818151	806144	<0.2	1.2	1.2	1.2			
						6.2	0.3	12	26.6	26.6	8.1	8.1	22.9	22.9	101.4	101.3	7.2	7.2	11.6	11.6	3	94	95	818151	806144	<0.2	1.2	1.2	1.2			
						6.2	0.3	12	26.6	26.6	8.1	8.1	22.9	22.9	101.2	101.3	7.2	7.2	11.5	11.5	<2	94	95	818151	806144	<0.2	1.2	1.2	1.2			
IM3	Cloudy	Moderate	08:55	7.5	Surface	1.0	0.3	353	26.4	26.4	8.0	8.0	21.3	21.3	99.6	99.6	7.1	7.1	3.2	3.2	3	88	92	818795	805573	<0.2	1.5	1.3	1.3			
						1.0	0.3	325	26.4	26.4	8.0	8.0	21.3	21.3	99.6	99.6	7.1	7.1	3.3	3.3	2	89	92	818795	805573	<0.2	1.3	1.3	1.3			
					Middle	3.8	0.3	357	26.5	26.5	8.1	8.1	21.3	21.3	100.5	100.6	7.2	7.2	5.5	5.5	3	92	93	818795	805573	<0.2	1.2	1.3	1.3			
						3.8	0.4	328	26.5	26.5	8.1	8.1	21.3	21.3	100.7	100.7	7.2	7.2	5.5	5.5	4	93	94	818795	805573	<0.2	1.2	1.3	1.3			
						6.5	0.2	4	26.5	26.5	8.1	8.1	21.7	21.7	100.7	100.7	7.2	7.2	6.5	6.5	4	94	95	818795	805573	<0.2	1.2	1.2	1.2			
						6.5	0.2	4	26.5	26.5	8.1	8.1	21.7	21.7	100.6	100.7	7.2	7.2	6.3	6.3	4	95	96	818795	805573	<0.2	1.2	1.2	1.2			
IM4	Cloudy	Moderate	09:03	8.4	Surface	1.0	0.7	15	26.3	26.3	8.0	8.0	21.4	21.4	99.1	99.1	7.1	7.1	4.9	4.9	<2	89	93	819705	804606	<0.2	1.3	1.3	1.5			
						1.0	0.8	16	26.3	26.3	8.0	8.0	21.4	21.4	99.1	99.1	7.1	7.1	4.9	4.9	2	90	93	819705	804606	<0.2	1.3	1.3	1.5			
					Middle	4.2	0.6	356	26.3	26.3	8.0	8.0	21.5	21.5	98.8	98.8	7.1	7.1	6.3	6.3	2	93	94	819705	804606	<0.2	1.2	1.3	1.3			
						4.2	0.6	327	26.3	26.3	8.0	8.0	21.5	21.5	98.7	98.7	7.1	7.1	6.3	6.3	2	93	94	819705	804606	<0.2	1.2	1.3	1.3			
						7.4	0.4	0	26.3	26.3	8.0	8.0	22.0	22.0	98.4	98.4	7.0	7.0	1.2	1.2	3	95	96	819705	804606	<0.2	2.5	1.4	1.4			
						7.4	0.4	0	26.3	26.3	8.1	8.1	22.0	22.0	98.3	98.3	7.0	7.0	1.1	1.1	3	96	97	819705	804606	<0.2	2.5	1.4	1.4			
IM5	Cloudy	Moderate	09:09	8.1	Surface	1.0	0.9	30	26.3	26.3	8.0	8.0	21.9	21.9	99.9	99.9	7.1	7.1	2.5	2.5	2	91	93	820739	804849	<0.2	1.1	1.1	1.3			
						1.0	0.9	31	26.3	26.3	8.0	8.0	21.9	21.9	99.9	99.9	7.1	7.1	2.6	2.6	3	92	93	820739	804849	<0.2	1.1	1.1	1.3			
					Middle	4.1	0.7	29	26.3	26.3	8.0	8.0	21.8	21.8	100.0	100.0	7.1	7.1	3.0	3.0	4	93	94	820739	804849	<0.2	1.2	1.1	1.1			
						4.1	0.8	29	26.3	26.3	8.0	8.0	21.8	21.8	100.0	100.0	7.1	7.1	3.1	3.1	4	94	95	820739	804849	<0.2	1.2	1.1	1.1			
						7.1	0.5	35	26.3	26.3	8.1	8.1	22.1	22.1	99.9	99.9	7.1	7.1	2.8	2.8	3	95	96	820739	804849	<0.2	2.4	1.0	1.0			
						7.1	0.6	38	26.3	26.3	8.1	8.1																				





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

Water Quality Monitoring

Water Quality Monitoring Results on 25 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	16:50	8.6	Surface	1.0	0.1	41	26.4	26.4	8.1	8.1	26.0	26.0	98.8	98.8	6.9	6.9	8.0	3	85	88	815615	804259	<0.2	0.6	0.7	0.7								
						1.0	0.1	42	26.4	26.4	8.1	8.1	26.0	26.0	98.8	98.8	6.9	6.9	8.0	4	85	88	815615	804259	<0.2	0.5	0.7	0.7								
						4.3	0.1	45	26.3	26.3	8.1	8.1	26.1	26.1	97.9	97.9	6.8	6.8	6.4	4	89	88	815615	804259	<0.2	0.6	0.7	0.7								
					4.3	0.1	47	26.2	26.3	8.1	8.1	26.1	26.1	97.9	97.9	6.8	6.8	6.1	4	88	88	815615	804259	<0.2	0.6	0.7	0.7									
					7.6	0.2	34	26.2	26.2	8.1	8.1	26.2	26.2	97.9	97.9	6.8	6.8	3.6	4	90	88	815615	804259	<0.2	0.8	0.7	0.7									
					7.6	0.2	36	26.2	26.2	8.1	8.1	26.2	26.2	98.0	98.0	6.9	6.9	3.6	5	91	88	815615	804259	<0.2	0.8	0.7	0.7									
C2	Fine	Moderate	15:47	8.1	Surface	1.0	0.2	272	27.2	27.2	8.0	8.0	18.9	18.9	106.5	106.5	7.6	7.6	1.1	4	83	88	825677	806926	<0.2	1.3	1.1	1.1								
						1.0	0.2	277	27.2	27.2	8.0	8.0	18.9	18.9	106.5	106.5	7.6	7.6	1.1	5	84	88	825677	806926	<0.2	1.6	1.1	1.1								
						4.1	0.1	343	27.3	27.3	8.0	8.0	18.9	18.9	105.9	105.9	7.6	7.6	3.9	3	88	88	825677	806926	<0.2	0.7	1.1	1.1								
					4.1	0.1	349	27.3	27.3	8.0	8.0	18.9	18.9	105.9	105.9	7.6	7.6	4.0	4	88	88	825677	806926	<0.2	0.9	1.1	1.1									
					7.1	0.3	331	27.6	27.6	8.0	8.0	19.0	19.0	106.3	106.3	7.5	7.5	4.2	5	91	88	825677	806926	<0.2	1.0	1.1	1.1									
					7.1	0.3	358	27.6	27.6	8.0	8.0	19.0	19.0	106.3	106.3	7.5	7.5	4.2	4	92	88	825677	806926	<0.2	1.1	1.1	1.1									
C3	Fine	Moderate	17:41	9.4	Surface	1.0	0.2	63	26.7	26.7	8.0	8.0	24.1	24.1	101.6	101.6	7.1	7.1	0.8	3	83	88	822125	817795	<0.2	0.9	0.8	0.8								
						1.0	0.2	68	26.7	26.6	8.0	8.0	24.1	24.1	101.6	101.6	7.1	7.1	0.8	4	83	88	822125	817795	<0.2	0.7	0.8	0.8								
						4.7	0.2	42	26.6	26.6	8.0	8.0	24.4	24.4	101.2	101.4	7.1	7.1	1.5	4	88	88	822125	817795	<0.2	0.9	0.8	0.8								
					4.7	0.2	44	26.6	26.6	8.0	8.0	24.4	24.4	101.6	101.4	7.1	7.1	1.5	3	89	88	822125	817795	<0.2	0.7	0.8	0.8									
					8.4	0.1	333	26.9	26.9	8.0	8.0	23.5	23.5	103.7	103.7	7.3	7.3	1.8	3	91	88	822125	817795	<0.2	0.7	0.8	0.8									
					8.4	0.1	306	26.9	26.9	8.0	8.0	23.5	23.5	103.6	103.6	7.3	7.3	1.8	3	91	88	822125	817795	<0.2	0.8	0.8	0.8									
IM1	Fine	Moderate	16:30	5.4	Surface	1.0	0.1	207	26.2	26.2	8.1	8.1	25.8	25.7	96.9	96.9	6.8	6.8	5.0	3	85	88	817960	807123	<0.2	0.9	0.9	0.9								
						1.0	0.1	221	26.2	26.2	8.1	8.1	25.7	25.7	96.9	96.9	6.8	6.8	5.0	3	86	88	817960	807123	<0.2	1.0	0.9	0.9								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					4.4	0.2	253	26.1	26.1	8.1	8.1	26.4	26.4	97.9	98.4	6.8	6.8	11.6	5	88	88	817960	807123	<0.2	0.9	0.9	0.9									
					4.4	0.2	244	26.1	26.1	8.1	8.1	26.4	26.4	98.9	98.4	6.9	6.9	11.6	4	89	88	817960	807123	<0.2	0.8	0.9	0.9									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
IM2	Fine	Moderate	16:25	7.7	Surface	1.0	0.2	201	26.4	26.4	8.1	8.1	25.6	25.6	98.0	98.0	6.8	6.8	8.4	4	85	86	818144	806179	<0.2	0.7	0.9	0.9								
						1.0	0.2	206	26.4	26.4	8.1	8.1	25.5	25.6	98.0	98.0	6.8	6.8	8.4	3	86	86	818144	806179	<0.2	0.7	0.9	0.9								
						3.9	0.3	189	26.4	26.4	8.1	8.1	25.8	25.8	97.5	97.5	6.8	6.8	6.7	4	90	89	818144	806179	<0.2	1.1	0.9	0.9								
					3.9	0.3	187	26.3	26.3	8.1	8.1	25.8	25.8	97.4	97.5	6.8	6.8	6.4	3	89	89	818144	806179	<0.2	1.2	0.9	0.9									
					6.7	0.3	221	26.3	26.3	8.1	8.1	26.3	26.3	97.3	97.4	6.8	6.8	3.3	5	91	89	818144	806179	<0.2	0.9	0.9	0.9									
					6.7	0.3	222	26.3	26.3	8.1	8.1	26.3	26.3	97.4	97.4	6.8	6.8	3.3	4	92	89	818144	806179	<0.2	0.8	0.9	0.9									
IM3	Fine	Moderate	16:17	7.8	Surface	1.0	0.2	216	26.4	26.4	8.1	8.1	24.9	24.9	99.9	99.9	7.0	7.0	8.9	3	85	85	818795	805573	<0.2	0.6	1.2	1.2								
						1.0	0.3	211	26.3	26.3	8.1	8.1	24.9	24.9	99.9	99.9	7.0	7.0	8.9	3	85	85	818795	805573	<0.2	0.8	1.2	1.2								
						3.9	0.3	260	26.2	26.2	8.1	8.1	25.8	25.8	98.6	98.6	6.9	6.9	4.2	4	90	89	818795	805573	<0.2	1.9	1.2	1.2								
					3.9	0.3	243	26.2	26.2	8.1	8.1	25.8	25.8	98.6	98.6	6.9	6.9	4.2	4	90	89	818795	805573	<0.2	2.1	1.2	1.2									
					6.8	0.2	231	26.2	26.2	8.1	8.1	25.4	25.4	98.6	98.6	6.9	6.9	2.6	5	91	89	818795	805573	<0.2	0.9	1.2	1.2									
					6.8	0.2	232	26.2	26.2	8.1	8.1	25.3	25.4	98.6	98.6	6.9	6.9	2.6	5	92	89	818795	805573	<0.2	0.9	1.2	1.2									
IM4	Fine	Moderate	16:08	7.6	Surface	1.0	0.3	251	26.4	26.4	8.1	8.1	24.2	24.1	101.0	101.0	7.1	7.1	6.4	4	85	85	819724	804598	<0.2	1.7	1.5	1.5								
						1.0	0.4	252	26.4	26.4	8.1	8.1	24.1	24.1	101.0	101.0	7.1	7.1	6.4	5	85	85	819724	804598	<0.2	1.5	1.5	1.5								
						3.8	0.4	219	26.3	26.3	8.1	8.1	24.1	24.1	100.9	100.9	7.1	7.1	4.5	3	89	89	819724	804598	<0.2	2.1	1.5	1.5								
					3.8	0.4	224	26.3	26.3	8.1	8.1	24.1	24.1	100.9	100.9	7.1	7.1	4.3	3	90	89	819724	804598	<0.2	1.9	1.5	1.5									
					6.6	0.3	235	26.3	26.3	8.1	8.1	24.6	24.6	100.2	100.2	7.0	7.0	7.6	4	91	89	819724	804598	<0.2	1.0	1.5	1.5									
					6.6	0.3	228	26.3	26.3	8.1	8.1	24.6	24.6	100.1	100.2	7.0	7.0	7.6	5	91	89	819724	804598	<0.2	0.8	1.5	1.5									
IM5	Fine	Moderate	15:59	7.4	Surface	1.0	0.4	207	26.3	26.3	8.1	8.1	24.1	24.1	100.0	100.0	7.1	7.1	5.2	5	85	85	820738	804858	<0.2	1.8	1.5	1.5								
						1.0	0.4	221	26.3	26.3	8.1	8.1	24.1	24.1	100.0	100.0	7.1	7.1	5.2	4	85	85	820738	804858	<0.2	1.6	1.5	1.5								
						3.7	0.4	220	26.3	26.3	8.1	8.1	24.2	24.2	99.7	99.7	7.0	7.0	7.1	2	88	88	820738	804858	<0.2	1.2	1.5	1.5								
					3.7	0.4	220	26.3	26.3	8.1	8.1	24.1	24.1	99.6	99.7	7.0	7.0	7.1	3	89	89	820738	804858	<0.2	1.4	1.5	1.5									
					6.4	0.3	222	26.4	26.4	8.1	8.1	25.4	25.4	98.2	98.4	6.9	6.9	4.8	5	90	89	820738	804858	<0.2	1.3	1.5	1.5									
					6.4	0.3	221	26.4	26.4	8.1	8.1	25.4	25.4	98.5	98.4	6.9	6.9	4.9	4	90	89	820738	804858	<0.2	1.5	1.5	1.5									
IM6	Fine	Moderate	15:53	7.8	Surface	1.0	0.1	197	26.8	26.8	8.1	8.1	20.0	20.0	101.1	101.0	7.2	7.2	3.1	4	84	85	821064	805822	<0.2	1.3	1.4	1.4								
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Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 25 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			
																																					Value	DA	Value
IM9	Fine	Moderate	16:19	7.1	Surface	1.0	0.1	185	26.9	26.9	8.0	8.0	21.9	21.9	102.1	102.1	7.2	7.2	4.2	2	83	87	87	87	87	87	822110	808808	<0.2	1.2	1.3	1.5							
						1.0	0.1	192	26.9	8.0	8.0	21.9	21.9	102.1	102.1	7.2	7.2	4.2	3	84	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87			
						3.6	0.1	143	27.0	27.0	8.0	8.0	22.0	22.0	101.4	101.3	7.2	7.2	3.5	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Middle	3.6	0.1	149	27.0	27.0	8.0	8.0	22.0	22.0	101.2	101.3	7.1	7.1	3.6	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						6.1	0.1	97	26.8	26.8	8.0	8.0	22.5	22.5	99.5	99.5	7.0	7.0	2.7	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.1	0.3	98	26.9	26.9	8.0	8.0	22.5	22.5	99.5	99.5	7.0	7.0	2.7	4	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
IM10	Fine	Moderate	16:26	7.6	Surface	1.0	0.3	148	26.9	26.9	8.0	8.0	21.7	21.7	103.0	103.0	7.3	7.3	2.3	4	83	84	84	84	84	84	822380	809817	<0.2	1.5	1.6	1.3							
						1.0	0.3	149	26.9	26.9	8.0	8.0	21.7	21.7	103.0	103.0	7.3	7.3	2.3	4	84	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						3.8	0.1	132	26.8	26.8	8.0	8.0	22.1	22.1	101.1	101.1	7.1	7.1	3.7	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Middle	3.8	0.2	130	26.8	26.8	8.0	8.0	22.1	22.1	101.1	101.1	7.1	7.1	3.7	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						6.6	0.1	136	26.9	26.9	8.0	8.0	21.9	21.9	102.3	102.3	7.2	7.2	3.9	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.6	0.1	127	26.9	26.9	8.0	8.0	21.9	21.9	102.3	102.3	7.2	7.2	4.0	4	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
IM11	Fine	Moderate	16:38	7.7	Surface	1.0	0.1	126	27.0	27.0	8.0	8.0	21.9	21.9	102.6	102.6	7.2	7.2	1.4	4	84	84	84	84	84	84	822035	811471	<0.2	1.6	1.5	1.5							
						1.0	0.1	135	27.0	27.0	8.0	8.0	21.9	21.9	102.5	102.6	7.2	7.2	1.4	5	84	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						3.9	0.2	122	27.0	27.0	8.0	8.0	22.0	22.0	101.8	101.8	7.2	7.2	1.8	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
					Middle	3.9	0.2	134	27.0	27.0	8.0	8.0	22.0	22.0	101.8	101.8	7.2	7.2	1.8	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.7	0.2	123	26.7	26.7	8.0	8.0	23.5	23.5	96.5	96.5	6.8	6.8	2.2	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						6.7	0.2	130	26.7	26.7	8.0	8.0	23.5	23.5	96.5	96.5	6.8	6.8	2.3	3	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
IM12	Fine	Moderate	16:45	7.1	Surface	1.0	0.1	133	26.9	26.9	8.0	8.0	22.7	22.7	102.7	102.7	7.2	7.2	1.6	2	83	84	84	84	84	84	821458	812034	<0.2	1.4	1.2	1.4							
						1.0	0.1	131	26.9	26.9	8.0	8.0	22.7	22.7	102.7	102.7	7.2	7.2	1.6	2	84	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						3.6	0.1	135	26.9	26.9	8.0	8.0	22.5	22.5	101.7	101.7	7.2	7.2	4.4	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
					Middle	3.6	0.1	132	26.9	26.9	8.0	8.0	22.5	22.5	101.6	101.6	7.2	7.2	4.5	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						6.1	0.1	117	26.9	26.9	8.0	8.0	22.9	22.9	101.5	101.5	7.1	7.1	2.2	4	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
						6.1	0.1	118	26.9	26.9	8.0	8.0	22.9	22.9	101.5	101.5	7.1	7.1	2.2	4	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
SR1A	Fine	Moderate	17:15	4.1	Surface	1.0	-	-	27.0	27.0	8.0	8.0	23.2	23.2	102.4	102.4	7.2	7.2	0.9	3	-	-	-	-	-	-	819972	812656	-	-	-	-							
						1.0	-	-	27.0	27.0	8.0	8.0	23.2	23.2	102.4	102.4	7.2	7.2	0.9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.1	-	-	26.6	26.6	8.0	8.0	24.4	24.4	98.0	98.3	6.9	6.9	3.8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.1	-	-	26.6	26.6	8.0	8.0	24.4	24.4	98.5	98.3	6.9	6.9	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR2	Fine	Moderate	17:28	3.9	Surface	1.0	0.1	126	27.0	27.0	8.0	8.0	23.0	23.0	103.5	103.5	7.3	7.3	2.6	2	83	84	84	84	84	84	821446	814180	<0.2	1.7	1.6	1.6							
						1.0	0.2	134	27.0	27.0	8.0	8.0	23.0	23.0	103.5	103.5	7.3	7.3	2.7	3	84	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	2.9	0.1	166	27.0	27.0	8.0	8.0	22.9	22.9	103.6	103.6	7.3	7.3	3.2	3	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92		
						2.9	0.1	153	27.0	27.0	8.0	8.0	22.9	22.9	103.6	103.6	7.3	7.3	3.2	3	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
						1.0	0.1	168	26.9	26.9	8.0	8.0	20.7	20.7	103.5	103.5	7.4	7.4	1.2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom	1.0	0.1	165	26.9	26.9	8.0	8.0	20.7	20.7	103.5	103.5	7.4	7.4	1.3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	3.8	0.0	155	26.9	26.9	8.0	8.0	20.8	20.8	103.2	103.2	7.3	7.3	1.7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	3.8	0.0	167	26.9	26.9	8.0	8.0	20.8	20.8	103.1	103.2	7.3	7.3	1.7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
SR3	Fine	Moderate	16:07	7.6	Surface	6.6	0.1	210	27.0	27.0	8.0	8.0	20.9	20.9	103.4	103.4	7.3	7.3	2.7	2	-	-	-	-	-	-	822141	807554	-	-	-	-							
						6.6	0.1	214	27.0	27.0	8.0	8.0	20.9	20.9	103.3	103.4	7.3	7.3	2.7	3	-	-	-	-	-	-	-	-	-	-	-	-	-						
						1.0	0.2	72	26.5																														

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	10:10	8.4	Surface	1.0	0.1	82	26.1	8.1	8.1	25.3	25.3	96.0	95.9	6.7	3.0	3	3	86	88	89	90	91	89	815633	804224	<0.2	<0.2	1.1	1.0					
						1.0	0.1	87	26.1	8.1	8.1	25.3	25.3	95.7	6.7	3.1	2	2	88	89	90	91	89	815633	804224	<0.2	<0.2	1.0	1.0							
					Middle	4.2	0.2	27	26.0	8.1	8.1	26.1	26.1	94.5	94.5	6.6	4.6	4	4	89	90	91	91	89	815633	804224	<0.2	<0.2	0.9	1.0						
						4.2	0.2	27	26.0	8.1	8.1	26.1	26.1	94.4	94.5	6.6	4.8	5	5	88	89	90	91	89	815633	804224	<0.2	<0.2	1.0	1.0						
					Bottom	7.4	0.2	13	26.1	8.1	8.1	26.8	26.8	94.3	94.4	6.6	5.2	8	8	91	91	91	91	89	815633	804224	<0.2	<0.2	1.0	1.0						
						7.4	0.2	13	26.0	8.1	8.1	26.8	26.8	94.4	94.4	6.6	5.1	7	7	91	91	91	91	89	815633	804224	<0.2	<0.2	0.9	1.0						
C2	Cloudy	Moderate	10:50	7.8	Surface	1.0	0.2	249	26.9	8.0	8.0	18.5	18.5	100.9	100.9	7.3	7.0	3	3	84	84	88	88	88	88	825671	806956	<0.2	<0.2	2.0	1.7					
						1.0	0.2	272	26.9	8.0	8.0	18.5	18.5	100.9	100.9	7.3	7.0	3	3	84	84	88	88	88	88	825671	806956	<0.2	<0.2	2.0	1.7					
					Middle	3.9	0.1	252	26.9	8.0	8.0	18.5	18.5	100.5	100.5	7.2	1.2	3	3	87	88	88	88	88	88	825671	806956	<0.2	<0.2	1.9	1.7					
						3.9	0.1	265	26.9	8.0	8.0	18.5	18.5	100.5	100.5	7.2	1.2	3	3	87	88	88	88	88	88	825671	806956	<0.2	<0.2	1.9	1.7					
					Bottom	6.8	0.2	12	26.9	8.0	8.0	19.2	19.2	100.2	100.2	7.2	3.5	2	2	91	91	91	91	88	825671	806956	<0.2	<0.2	1.3	1.7						
						6.8	0.2	12	26.9	8.0	8.0	19.2	19.2	100.2	100.2	7.2	3.5	3	3	92	92	92	92	88	825671	806956	<0.2	<0.2	1.2	1.7						
C3	Cloudy	Moderate	09:07	11.4	Surface	1.0	0.2	324	26.3	8.0	8.0	24.4	24.4	97.2	97.2	6.8	1.4	2	2	83	83	88	88	88	88	822102	817791	<0.2	<0.2	1.1	1.2					
						1.0	0.2	345	26.3	8.0	8.0	24.4	24.4	97.1	97.2	6.8	1.4	2	2	88	88	88	88	88	88	822102	817791	<0.2	<0.2	1.1	1.2					
					Middle	5.7	0.2	320	26.3	8.0	8.0	25.2	25.2	96.7	96.7	6.8	2.6	2	2	88	88	88	88	88	88	822102	817791	<0.2	<0.2	1.2	1.2					
						5.7	0.2	344	26.3	8.0	8.0	25.2	25.2	96.7	96.7	6.8	2.6	3	3	88	88	88	88	88	88	822102	817791	<0.2	<0.2	1.2	1.2					
					Bottom	10.4	0.1	264	26.3	8.0	8.0	25.0	25.0	97.2	97.2	6.8	3.6	3	3	91	91	91	91	88	822102	817791	<0.2	<0.2	1.2	1.2						
						10.4	0.1	288	26.3	8.0	8.0	25.0	25.0	97.1	97.2	6.8	3.6	3	3	91	91	91	91	88	822102	817791	<0.2	<0.2	1.3	1.2						
IM1	Fine	Moderate	10:41	5.6	Surface	1.0	0.0	9	26.2	8.1	8.1	25.6	25.6	95.7	95.6	6.7	4.6	4	4	86	85	85	85	85	89	817953	807131	<0.2	<0.2	1.1	1.1					
						1.0	0.0	9	26.3	8.1	8.1	25.6	25.6	95.5	95.6	6.7	4.9	3	3	85	85	85	85	85	89	817953	807131	<0.2	<0.2	1.1	1.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	817953	807131	<0.2	<0.2	-	-		
						4.6	0.1	15	26.3	8.1	8.1	26.3	26.3	95.4	95.4	6.6	4.9	4	4	90	90	90	90	88	817953	807131	<0.2	<0.2	1.1	1.1						
					Bottom	4.6	0.1	15	26.4	8.1	8.1	26.2	26.3	95.4	95.4	6.6	4.9	4	4	93	93	93	93	88	817953	807131	<0.2	<0.2	1.0	1.1						
						1.0	0.1	283	26.3	8.1	8.1	24.8	24.8	98.9	98.9	6.9	2.7	2	2	85	85	85	85	88	817953	807131	<0.2	<0.2	1.0	1.1						
IM2	Fine	Moderate	10:46	7.6	Surface	1.0	0.1	307	26.3	8.1	8.1	24.8	24.8	98.9	98.9	6.9	2.7	3	3	85	85	89	89	89	88	818141	806161	<0.2	<0.2	1.0	1.1					
						3.8	0.2	355	26.1	8.1	8.1	25.8	25.8	96.6	96.7	6.8	8.7	3	3	89	89	89	89	88	818141	806161	<0.2	<0.2	1.0	1.1						
					Middle	3.8	0.2	327	26.1	8.1	8.1	25.8	25.8	96.7	96.7	6.8	8.7	3	3	89	89	89	89	88	818141	806161	<0.2	<0.2	1.1	1.1						
						6.6	0.1	354	26.1	8.1	8.1	26.1	26.1	97.0	97.1	6.8	8.0	3	3	91	91	91	91	88	818141	806161	<0.2	<0.2	1.2	1.1						
					Bottom	6.6	0.1	326	26.1	8.1	8.1	26.1	26.1	97.1	97.1	6.8	8.0	3	3	91	91	91	91	88	818141	806161	<0.2	<0.2	1.1	1.1						
						1.0	0.2	314	26.1	8.1	8.1	24.4	24.3	98.5	98.4	7.0	5.3	2	2	86	85	85	85	88	818141	806161	<0.2	<0.2	1.1	1.1						
IM3	Fine	Moderate	10:52	7.8	Surface	1.0	0.2	326	26.1	8.1	8.1	24.3	24.3	98.3	98.4	6.9	5.3	2	2	86	85	88	88	88	88	818787	805612	<0.2	<0.2	1.1	1.1					
						3.9	0.3	357	26.1	8.1	8.1	25.7	25.7	93.0	93.0	7.0	6.2	3	3	88	89	89	89	88	818787	805612	<0.2	<0.2	1.1	1.1						
					Middle	3.9	0.3	328	26.1	8.1	8.1	25.7	25.7	93.0	93.0	7.0	6.2	2	2	88	89	89	89	88	818787	805612	<0.2	<0.2	1.0	1.1						
						6.8	0.2	357	26.1	8.1	8.1	26.4	26.4	92.8	92.9	6.5	5.8	7	7	90	90	90	90	88	818787	805612	<0.2	<0.2	1.1	1.1						
					Bottom	6.8	0.2	328	26.1	8.1	8.1	26.4	26.4	92.9	92.9	6.5	5.8	6	6	91	91	91	91	88	818787	805612	<0.2	<0.2	1.2	1.1						
						1.0	0.3	346	26.3	8.1	8.1	23.9	23.9	100.7	100.7	7.1	6.5	2	2	85	85	85	85	88	818787	805612	<0.2	<0.2	1.2	1.1						
IM4	Fine	Moderate	11:01	7.6	Surface	1.0	0.3	351	26.3	8.1	8.1	23.9	23.9	100.7	100.7	7.1	6.5	2	2	86	86	89	89	89	89	819731	804607	<0.2	<0.2	1.1	1.1					
						3.8	0.2	26	26.4	8.1	8.1	24.2	24.2	100.8	100.9	7.1	3.8	3	3	89	89	89	89	88	819731	804607	<0.2	<0.2	1.1	1.1						
					Middle	3.8	0.3	28	26.4	8.1	8.1	24.1	24.2	100.9	100.9	7.1	3.8	2	2	89	89	89	89	88	819731	804607	<0.2	<0.2	1.1	1.1						
						6.6	0.2	24	26.4	8.2	8.2	24.0	24.0	101.0	101.0	7.1	6.6	2	2	91	91	91	91	88	819731	804607	<0.2	<0.2	1.2	1.1						
					Bottom	6.6	0.2	25	26.4	8.2	8.2	24.1	24.0	101.0	101.0	7.1	6.6	2	2	91	91	91	91	88	819731	804607	<0.2	<0.2	1.1	1.1						
						1.0	0.3	18	26.3	8.1	8.1	23.8	23.8	99.2	99.2	7.0	11.0	2	2	83	85	85	85	88	819731	804607	<0.2	<0.2	1.0	1.0						
IM5	Fine	Moderate	11:09	7.7	Surface	1.0	0.3	19	26.3	8.1	8.1	23.8	23.8	99.2	99.2	7.0	11.0	2	2	83	85	85	85	88	820731	804863	<0.2	<0.2	1.0	1.0						
						3.9	0.3	29	26.3	8.1	8.1	24.1	24.1	99.0	99.0	7.0	4.5	3	3	90	90	90	90	88	820731	804863	<0.2	<0.2	1.1	1.0						
					Middle	3.9	0.3	29	26.3	8.1	8.1	24.0	24.1	99.0	99.0	7.0	4.5	2	2	90	90	90	90	88	820731	804863	<0.2	<0.2	1.0	1.0						
						6.7	0.2	38	26.1	8.1	8.1																									

Expansion of Hong Kong International Airport into a Three-Runway System  
 Water Quality Monitoring  
 Water Quality Monitoring Results on 25 May 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	10:20	7.9	Surface	1.0	0.3	267	26.7	26.7	8.0	8.0	21.3	21.3	98.4	98.4	7.0	7.0	1.1	1.1	3	3	83	88	88	88	822081	808791	<0.2	1.4	1.4	1.4				
						1.0	0.3	276	26.7	26.7	8.0	8.0	21.3	21.3	98.3	98.3	7.0	7.0	1.1	1.1	3	3	88	88	88	88	822081	808791	<0.2	1.4	1.4	1.4				
						4.0	0.3	274	26.6	26.6	8.0	8.0	21.6	21.6	97.7	97.7	6.9	6.9	1.8	1.8	3	3	88	88	88	88	822081	808791	<0.2	1.4	1.4	1.4				
					Middle	4.0	0.3	284	26.6	26.6	8.0	8.0	21.6	21.6	97.7	97.7	6.9	6.9	1.8	1.8	3	3	88	88	88	88	822081	808791	<0.2	1.4	1.4	1.4	1.4			
						6.9	0.3	274	26.7	26.7	8.0	8.0	21.6	21.6	97.9	97.9	7.0	7.0	3.5	3.5	2	2	91	91	91	91	822081	808791	<0.2	1.4	1.4	1.4				
						6.9	0.3	284	26.7	26.7	8.0	8.0	21.6	21.6	97.9	97.9	7.0	7.0	3.4	3.4	2	2	92	92	92	92	822081	808791	<0.2	1.4	1.4	1.4				
IM10	Cloudy	Moderate	10:14	8.0	Surface	1.0	0.1	271	26.7	26.7	8.0	8.0	20.9	20.9	100.3	100.3	7.1	7.1	1.1	1.1	3	3	83	83	83	83	822370	809791	<0.2	1.6	1.6	1.6				
						1.0	0.1	288	26.7	26.7	8.0	8.0	20.9	20.9	100.2	100.2	7.1	7.1	1.1	1.1	3	3	84	84	84	84	822370	809791	<0.2	1.6	1.6	1.6				
						4.0	0.1	294	26.7	26.7	8.0	8.0	21.0	21.0	99.7	99.7	7.1	7.1	6.9	6.9	3	3	88	88	88	88	822370	809791	<0.2	1.6	1.6	1.6				
					Middle	4.0	0.1	295	26.7	26.7	8.0	8.0	21.0	21.0	99.6	99.7	7.1	7.1	6.9	6.9	3	3	88	88	88	88	822370	809791	<0.2	1.6	1.6	1.6				
						7.0	0.2	292	26.7	26.7	8.0	8.0	21.8	21.8	97.8	97.8	6.9	6.9	5.9	5.9	3	3	91	91	91	91	822370	809791	<0.2	1.6	1.6	1.6				
						7.0	0.2	313	26.7	26.7	8.0	8.0	21.8	21.8	97.7	97.8	6.9	6.9	6.0	6.0	2	2	92	92	92	92	822370	809791	<0.2	1.6	1.6	1.6				
IM11	Cloudy	Moderate	10:03	7.8	Surface	1.0	0.2	280	26.8	26.8	8.0	8.0	21.1	21.1	100.2	100.2	7.1	7.1	1.4	1.4	2	2	84	84	84	84	822074	811464	<0.2	1.7	1.7	1.7				
						1.0	0.2	306	26.8	26.8	8.0	8.0	21.1	21.1	100.2	100.2	7.1	7.1	1.4	1.4	2	2	84	84	84	84	822074	811464	<0.2	1.7	1.7	1.7				
						3.9	0.1	297	26.8	26.8	8.0	8.0	21.1	21.1	100.0	100.1	7.1	7.1	1.2	1.2	3	3	88	88	88	88	822074	811464	<0.2	1.7	1.7	1.7				
					Middle	3.9	0.1	326	26.8	26.8	8.0	8.0	21.1	21.1	100.1	100.1	7.1	7.1	1.2	1.2	3	3	88	88	88	88	822074	811464	<0.2	1.7	1.7	1.7				
						6.8	0.2	269	26.8	26.8	8.0	8.0	21.0	21.0	100.1	100.1	7.1	7.1	1.5	1.5	3	3	91	91	91	91	822074	811464	<0.2	1.5	1.5	1.5				
						6.8	0.2	285	26.8	26.8	8.0	8.0	21.0	21.0	100.1	100.1	7.1	7.1	1.5	1.5	4	4	92	92	92	92	822074	811464	<0.2	1.6	1.6	1.6				
IM12	Cloudy	Moderate	09:57	7.6	Surface	1.0	0.2	273	26.8	26.8	8.0	8.0	21.0	21.0	99.5	99.5	7.1	7.1	1.7	1.7	3	3	83	83	83	83	821456	812026	<0.2	1.6	1.6	1.6				
						1.0	0.2	282	26.8	26.8	8.0	8.0	21.0	21.0	99.5	99.5	7.1	7.1	1.7	1.7	3	3	83	83	83	83	821456	812026	<0.2	1.6	1.6	1.6				
						3.8	0.1	283	26.7	26.7	8.0	8.0	21.2	21.2	98.8	98.8	7.0	7.0	5.2	5.2	2	2	88	88	88	88	821456	812026	<0.2	1.6	1.6	1.6				
					Middle	3.8	0.1	291	26.7	26.7	8.0	8.0	21.2	21.2	98.7	98.8	7.0	7.0	5.2	5.2	2	2	88	88	88	88	821456	812026	<0.2	1.6	1.6	1.6				
						6.6	0.2	313	26.7	26.7	8.0	8.0	21.4	21.4	98.2	98.2	7.0	7.0	1.6	1.6	2	2	91	91	91	91	821456	812026	<0.2	1.6	1.6	1.6				
						6.6	0.2	342	26.7	26.7	8.0	8.0	21.4	21.4	98.2	98.2	7.0	7.0	1.6	1.6	2	2	91	91	91	91	821456	812026	<0.2	1.6	1.6	1.6				
SR1A	Cloudy	Moderate	09:39	5.5	Surface	1.0	-	-	26.5	26.5	8.0	8.0	22.6	22.6	95.5	95.5	6.8	6.8	1.4	1.4	3	3	-	-	-	-	819981	812659	-	-	-	-				
						1.0	-	-	26.5	26.5	8.0	8.0	22.6	22.6	95.5	95.5	6.8	6.8	1.5	1.5	2	2	-	-	-	-	819981	812659	-	-	-	-				
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.5	-	-	26.5	26.5	8.0	8.0	21.9	21.9	95.6	95.7	6.8	6.8	2.5	2.5	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
						4.5	-	-	26.5	26.5	8.0	8.0	21.9	21.9	95.7	95.7	6.8	6.8	2.6	2.6	2	2	-	-	-	-	-	-	-	-	-	-	-	-		
SR2	Cloudy	Moderate	09:27	5.2	Surface	1.0	0.0	276	26.7	26.7	8.0	8.0	20.5	20.5	98.7	98.7	7.1	7.1	1.5	1.5	3	3	88	88	88	88	821453	814160	<0.2	1.4	1.4	1.4				
						1.0	0.0	275	26.7	26.7	8.0	8.0	20.5	20.5	98.7	98.7	7.0	7.0	1.5	1.5	3	3	88	88	88	88	821453	814160	<0.2	1.4	1.4	1.4				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.2	0.1	220	26.7	26.7	8.0	8.0	21.8	21.8	98.1	98.1	7.0	7.0	1.7	1.7	3	3	91	91	91	91	821453	814160	<0.2	1.4	1.4	1.4				
						4.2	0.1	229	26.7	26.7	8.0	8.0	21.8	21.8	98.0	98.1	7.0	7.0	1.7	1.7	3	3	92	92	92	92	821453	814160	<0.2	1.4	1.4	1.4				
SR3	Cloudy	Moderate	10:32	8.3	Surface	1.0	0.3	142	26.8	26.8	8.0	8.0	19.8	19.8	103.0	103.0	7.4	7.4	1.8	1.8	2	2	-	-	-	-	822131	807571	-	-	-	-				
						1.0	0.4	165	26.8	26.8	8.0	8.0	19.8	19.8	103.0	103.0	7.4	7.4	1.8	1.8	2	2	-	-	-	-	822131	807571	-	-	-	-				
						4.2	0.3	151	26.8	26.8	8.0	8.0	19.8	19.8	102.8	102.8	7.4	7.4	3.8	3.8	2	2	-	-	-	-	822131	807571	-	-	-	-				
					Middle	4.2	0.4	164	26.8	26.8	8.0	8.0	19.8	19.8	102.8	102.8	7.4	7.4	3.8	3.8	2	2	-	-	-	-	822131	807571	-	-	-	-				
						7.3	0.3	152	26.8	26.8	8.0	8.0	20.1	20.1	102.6	102.6	7.3	7.3	5.5	5.5	2	2	-	-	-	-	822131	807571	-	-	-	-				
						7.3	0.3	155	26.8	26.8	8.0	8.0	20.1	20.1	102.6	102.6	7.3	7.3	5.5	5.5	2	2	-	-	-	-	822131	807571	-	-	-	-				
SR4A	Fine	Moderate	09:44	8.8	Surface	1.0	0.0	254	26.2	26.2	8.1	8.1	23.4	23.4	97.8	97.8	6.9	6.9	8.8	8.8	2	2	-	-	-	-	817177	807802	-	-	-	-				
						1.0	0.0	276	26.2	26.2	8.1	8.1	23.4	23.4	97.7	97.8	6.9	6.9	8.8	8.8	2	2	-	-	-	-	817177	807802	-	-	-	-				
						4.4	0.1	212	26.2	26.2	8.1	8.1	24.5	24.5	96.4	96.4	6.8	6.8	5.5	5.5	2	2	-	-	-	-	817177	807802	-	-	-	-				
					Middle	4																														

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 May 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)				Nickel (µg/L)												
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA											
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA					
C1	Rainy	Moderate	11:16	8.2	Surface	1.0	0.4	230	25.8	25.8	8.1	8.1	22.9	22.9	94.1	94.1	6.7	6.7	2.7	3.0	4	5	90	90	81	81	804247	815625	<0.2	0.20	<0.2	<0.2	0.9	1.0									
						1.0	0.4	238	25.8	8.1	8.1	22.9	22.9	94.1	94.1	6.7	6.7	3.0	3.0	5	5	90	90	4	4	93	93	81	81	804247	815625	<0.2	0.20	<0.2	<0.2	0.8	0.8						
						4.1	0.2	208	25.7	8.1	8.1	22.5	22.5	93.9	93.9	6.8	6.8	2.8	2.8	4	5	93	93	5	5	94	94	81	81	804247	815625	<0.2	0.20	<0.2	<0.2	0.6	0.6						
					Middle	4.1	0.2	221	25.7	25.7	8.1	8.1	22.5	25.7	8.1	8.1	22.5	22.5	93.9	93.9	6.8	6.8	2.9	3.0	5	5	93	93	81	81	804247	815625	<0.2	0.20	<0.2	<0.2	0.7	0.7					
						7.2	0.2	190	25.8	25.8	8.1	8.1	24.8	24.8	8.1	8.1	24.8	24.8	94.9	94.9	6.7	6.7	3.2	3.3	4	4	94	94	81	81	804247	815625	<0.2	0.20	<0.2	<0.2	0.6	0.6					
						7.2	0.2	204	25.8	25.8	8.1	8.1	24.8	25.8	8.1	8.1	24.8	24.8	95.4	95.4	6.8	6.8	3.3	3.3	5	5	95	95	81	81	804247	815625	<0.2	0.20	<0.2	<0.2	0.6	0.6					
					C2	Rainy	Moderate	12:30	11.6	Surface	1.0	0.7	171	26.2	26.2	7.9	7.9	17.4	17.4	91.0	91.0	6.7	6.7	2.3	2.3	3	3	86	86	88	88	806966	825669	<0.2	0.2	<0.2	<0.2	1.2	1.2				
											1.0	0.7	185	26.2	26.2	7.9	7.9	17.4	17.4	91.0	91.0	6.7	6.7	2.3	2.3	2	2	85	85	3	3	88	88	88	88	806966	825669	<0.2	0.2	<0.2	<0.2	1.1	1.1
											5.8	0.2	80	26.3	26.3	7.9	7.9	16.8	16.8	90.8	90.8	6.7	6.7	3.4	3.4	4	4	88	88	3	3	89	89	88	88	806966	825669	<0.2	0.2	<0.2	<0.2	1.4	1.4
Middle	5.8	0.2	87	26.3						26.3	7.9	7.9	16.8	16.8	90.9	90.9	6.7	6.7	3.4	3.4	3	3	89	89	3	3	90	90	88	88	806966	825669	<0.2	0.2	<0.2	<0.2	1.6	1.6					
	10.6	0.3	165	26.2						26.2	7.9	7.9	18.7	18.7	91.8	91.8	6.7	6.7	4.2	4.2	4	4	90	90	3	3	91	91	88	88	806966	825669	<0.2	0.2	<0.2	<0.2	1.6	1.6					
	10.6	0.3	168	26.1						26.2	7.9	7.9	18.7	18.7	92.0	92.0	6.7	6.7	4.2	4.2	3	3	91	91	3	3	91	91	88	88	806966	825669	<0.2	0.2	<0.2	<0.2	1.6	1.6					
C3	Rainy	Moderate	10:27	11.8						Surface	1.0	0.1	27	25.7	25.7	8.0	8.0	25.6	25.6	90.6	90.6	6.4	6.4	2.5	2.5	3	3	86	86	88	88	817803	822115	<0.2	0.2	<0.2	<0.2	1.1	1.1				
											1.0	0.1	28	25.7	25.7	8.0	8.0	25.6	25.6	90.6	90.6	6.4	6.4	2.5	2.5	2	2	85	85	3	3	88	88	88	88	817803	822115	<0.2	0.2	<0.2	<0.2	1.2	1.2
											5.9	0.1	98	25.7	25.7	8.0	8.0	25.6	25.6	90.6	90.6	6.4	6.4	1.1	1.1	3	3	88	88	3	3	89	89	88	88	817803	822115	<0.2	0.2	<0.2	<0.2	1.3	1.3
					Middle	5.9	0.1	102	25.7	25.7	8.0	8.0	25.6	25.6	90.6	90.6	6.4	6.4	1.1	1.1	2	2	87	87	3	3	89	89	88	88	817803	822115	<0.2	0.2	<0.2	<0.2	1.7	1.7					
						10.8	0.1	70	25.6	25.6	8.0	8.0	25.7	25.7	92.3	92.3	6.5	6.5	1.3	1.3	2	2	89	89	3	3	90	90	88	88	817803	822115	<0.2	0.2	<0.2	<0.2	1.6	1.6					
						10.8	0.1	70	25.6	25.6	8.0	8.0	25.7	25.7	92.5	92.5	6.5	6.5	1.3	1.3	3	3	90	90	3	3	91	91	88	88	817803	822115	<0.2	0.2	<0.2	<0.2	1.6	1.6					
					IM1	Rainy	Calm	11:32	5.4	Surface	1.0	0.1	168	25.6	25.6	8.1	8.1	23.6	23.6	94.2	94.4	6.7	6.8	3.3	3.5	4	4	89	90	91	91	807120	817953	<0.2	0.2	<0.2	<0.2	0.9	0.8				
											1.0	0.1	173	25.6	25.6	8.1	8.1	23.6	23.6	94.5	94.4	6.7	6.8	3.3	3.5	4	4	89	90	4	4	91	91	91	91	807120	817953	<0.2	0.2	<0.2	<0.2	0.8	0.8
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	4.4	0.2	145	25.7						25.7	8.1	8.1	24.1	24.1	96.2	96.3	6.9	6.9	4.6	4.6	4	4	93	93	4	4	93	93	91	91	807120	817953	<0.2	0.2	<0.2	<0.2	1.0	1.0					
	4.4	0.2	155	25.7						25.7	8.1	8.1	24.1	24.1	96.3	96.3	6.9	6.9	4.5	4.5	5	5	93	93	5	5	93	93	91	91	807120	817953	<0.2	0.2	<0.2	<0.2	1.0	1.0					
IM2	Rainy	Moderate	11:38	7.1						Surface	1.0	0.3	190	25.9	25.9	8.1	8.1	24.0	24.0	92.7	92.7	6.6	6.6	3.1	3.0	4	5	88	88	92	92	806143	818152	<0.2	0.2	<0.2	<0.2	0.8	0.9				
											1.0	0.3	208	25.9	25.9	8.1	8.1	24.0	24.0	92.7	92.7	6.6	6.6	3.0	3.0	5	5	88	88	4	4	93	93	92	92	806143	818152	<0.2	0.2	<0.2	<0.2	0.9	0.9
											3.6	0.2	143	25.9	25.9	8.1	8.1	24.0	24.0	92.8	92.9	6.6	6.6	2.8	2.8	4	5	93	93	5	5	94	94	92	92	806143	818152	<0.2	0.2	<0.2	<0.2	1.3	1.2
					Middle	3.6	0.2	148	25.9	25.9	8.1	8.1	24.0	24.0	92.9	92.9	6.6	6.6	2.8	2.8	5	5	93	93	5	5	94	94	92	92	806143	818152	<0.2	0.2	<0.2	<0.2	1.2	1.2					
						6.1	0.2	118	25.7	25.7	8.1	8.1	24.0	24.0	94.3	94.6	6.7	6.8	2.8	2.8	4	4	94	94	4	4	94	94	92	92	806143	818152	<0.2	0.2	<0.2	<0.2	0.9	0.8					
						6.1	0.2	121	25.7	25.7	8.1	8.1	24.0	24.0	94.8	94.8	6.7	6.8	2.8	2.8	5	5	94	94	5	5	94	94	92	92	806143	818152	<0.2	0.2	<0.2	<0.2	0.8	0.8					
					IM3	Cloudy	Moderate	11:44	7.8	Surface	1.0	0.3	193	25.8	25.8	8.1	8.1	23.7	23.7	92.0	92.0	6.6	6.6	4.0	4.0	5	6	88	89	92	92	805574	818806	<0.2	0.2	<0.2	<0.2	0.8	0.8				
											1.0	0.4	202	25.8	25.8	8.1	8.1	23.7	23.7	92.0	92.0	6.6	6.6	4.0	4.0	6	6	89	89	6	6	93	94	92	92	805574	818806	<0.2	0.2	<0.2	<0.2	1.0	1.0
											3.9	0.2	181	25.9	25.9	8.1	8.1	23.9	23.9	91.5	91.6	6.5	6.5	4.5	4.3	6	6	93	94	6	6	94	94	92	92	805574	818806	<0.2	0.2	<0.2	<0.2	1.0	1.0
Middle	3.9	0.3	185	25.8						25.8	8.1	8.1	23.9	23.9	91.6	91.6	6.5	6.5	4.3	4.3	6	6	94	94	6	6	95	95	92	92	805574	818806	<0.2	0.2	<0.2	<0.2	0.7	0.7					
	6.8	0.2	123	25.9						25.9	8.1	8.1	24.1	24.1	93.7	93.9	6.7	6.7	5.2	4.9	6	7	95	95	6	7	95	95	92	92	805574	818806	<0.2	0.2	<0.2	<0.2	0.6	0.6					
	6.8	0.2	125	25.9						25.9	8.1	8.1	24.1	24.1	94.1	94.1	6.7	6.7	4.9	4.9	7	7	95	95	7	7	95	95	92	92	805574	818806	<0.2	0.2	<0.2	<0.2	0.6	0.6					
IM4	Cloudy	Moderate	11:52	7.7						Surface	1.0	0.7	183	25.9	25.9	8.1	8.1	23.8	23.8	89.5	89.5	6.4	6.4	3.9	3.8	5	4	89	89	92	92	804589	819711	<0.2	0.2	<0.2	<0.2	0.6	0.7				
											1.0	0.8																															

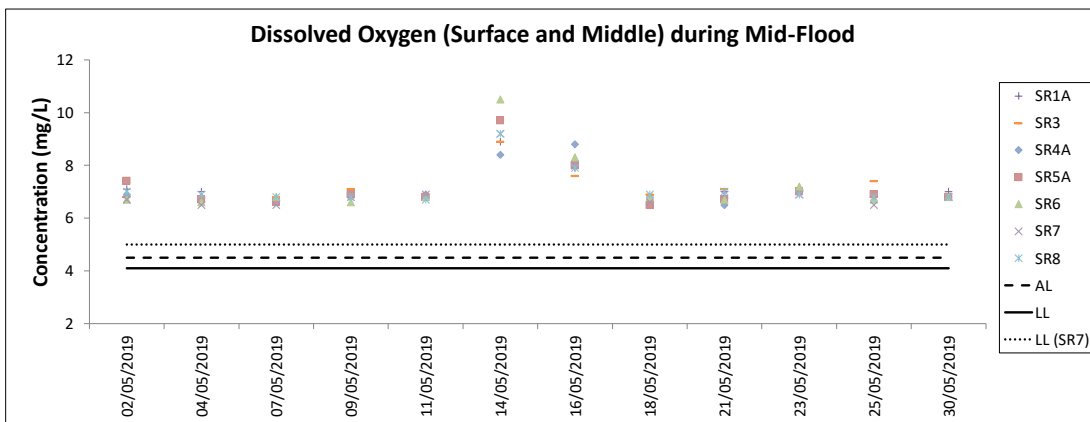
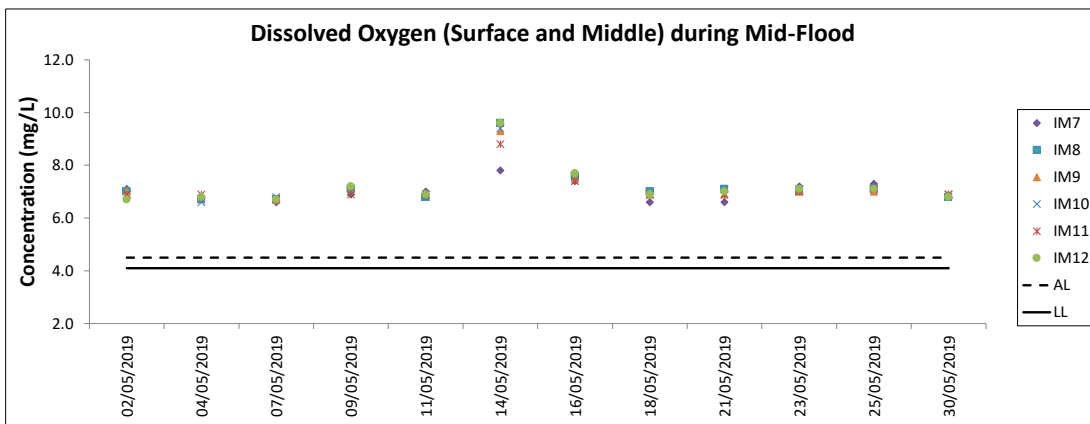
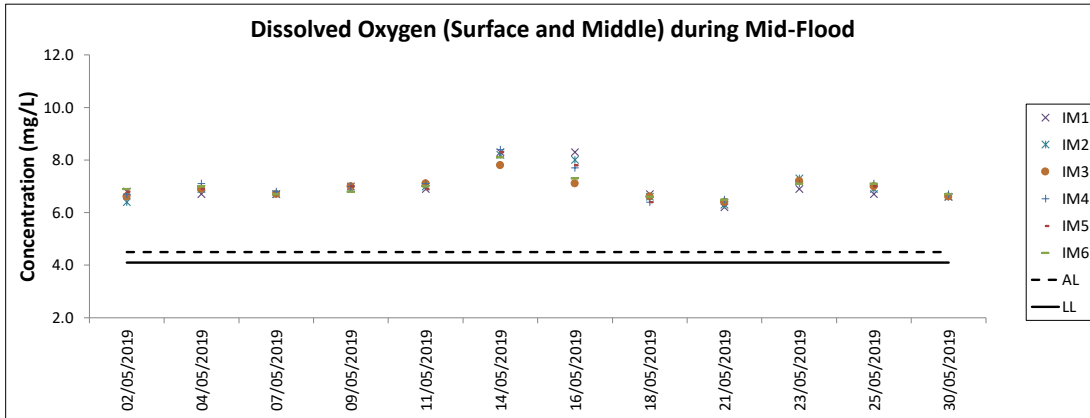
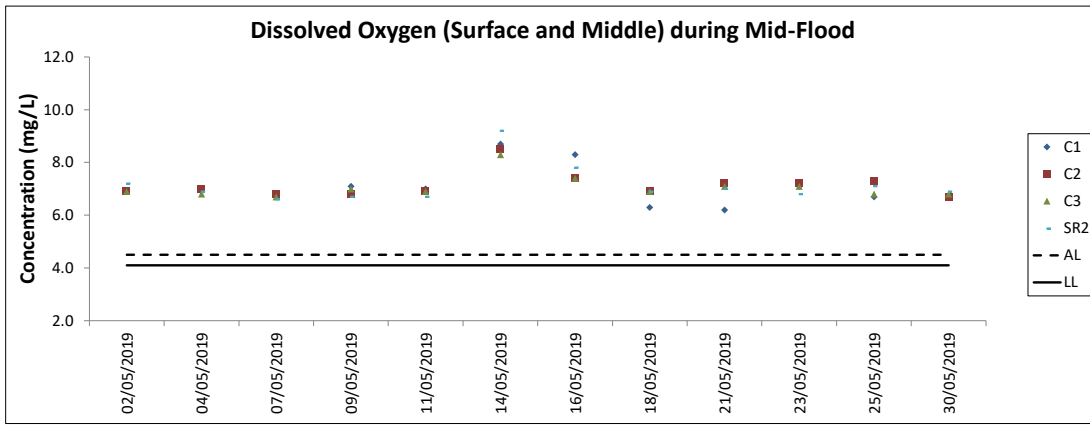






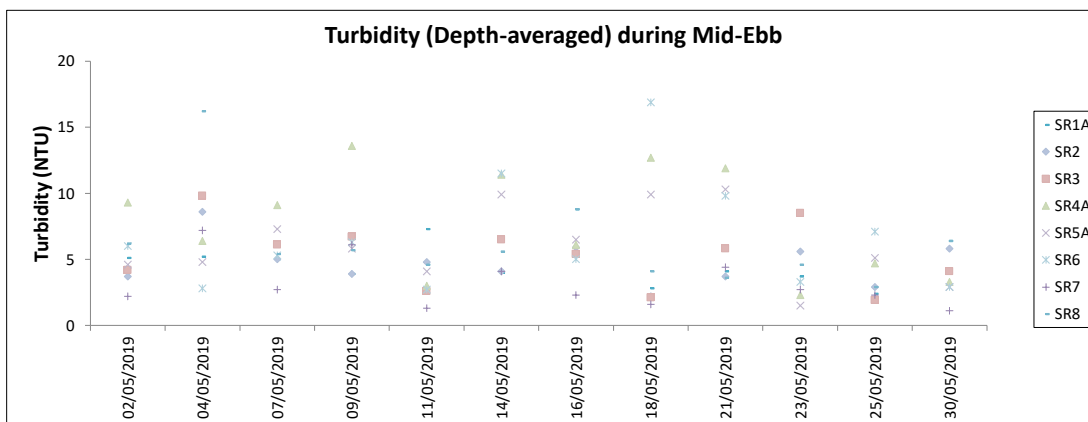
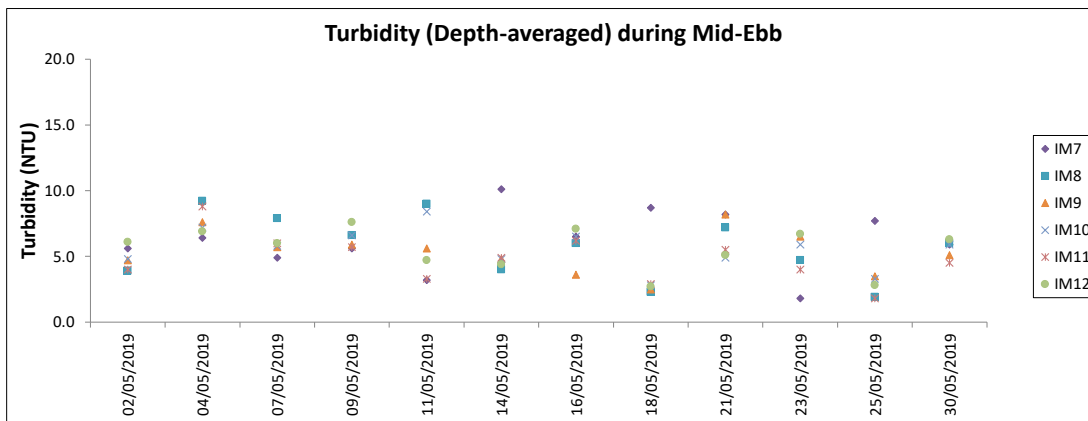
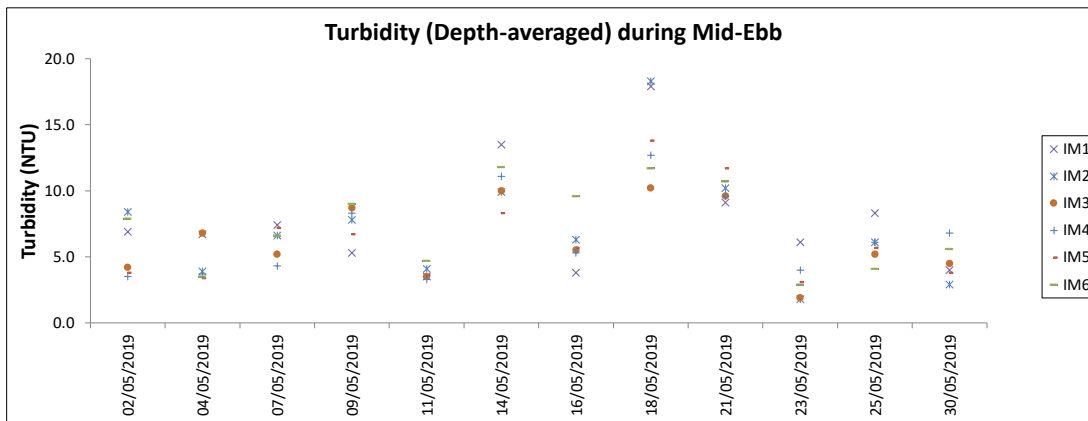
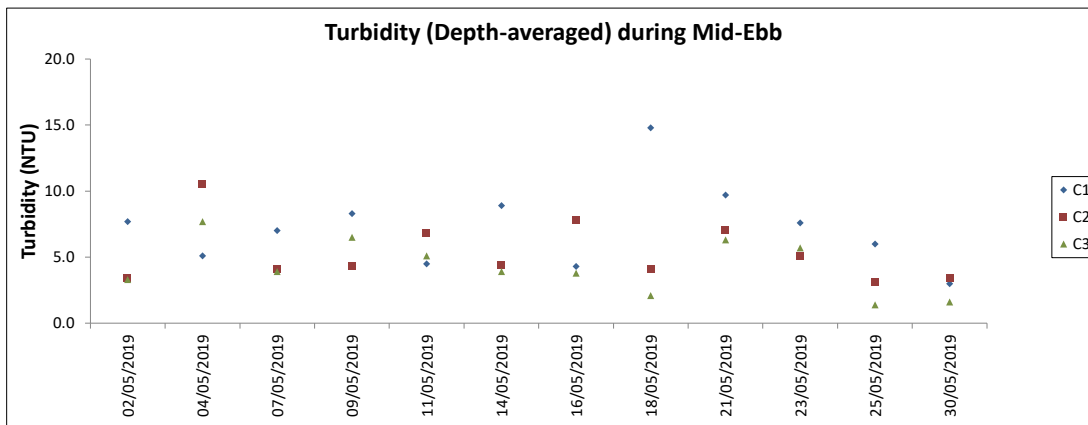




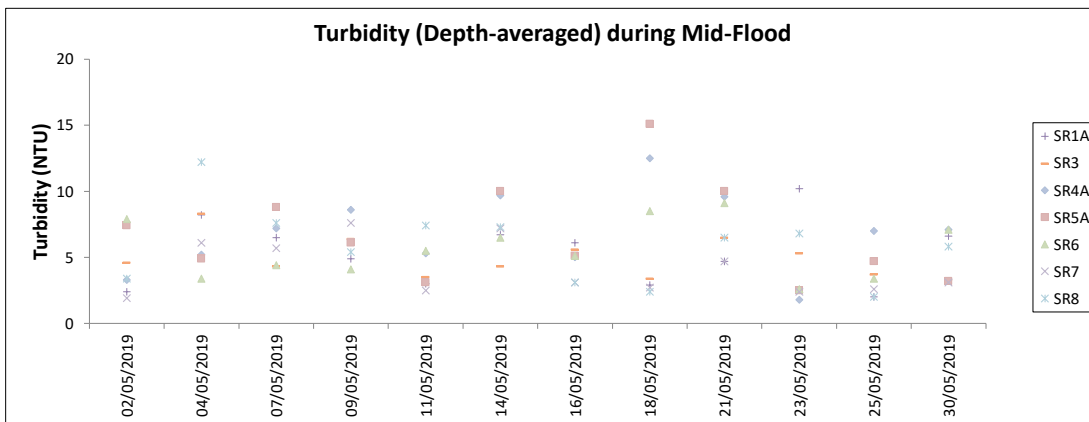
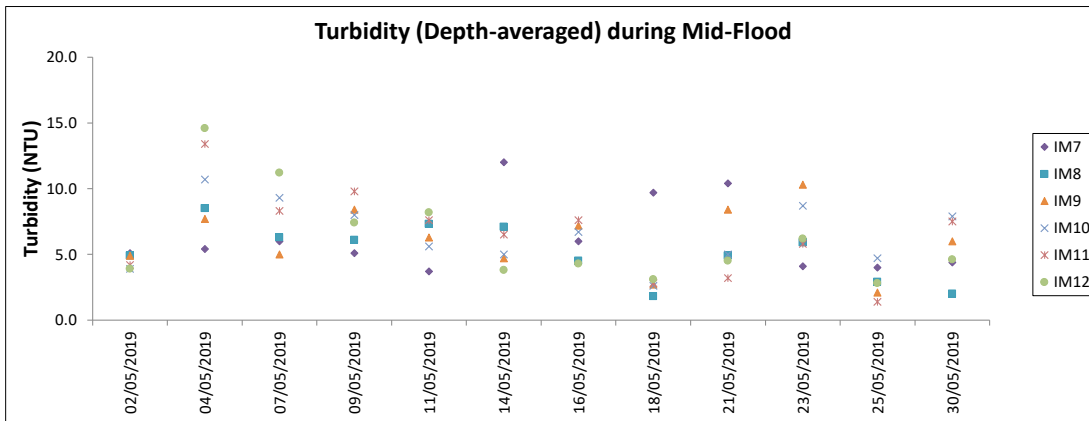
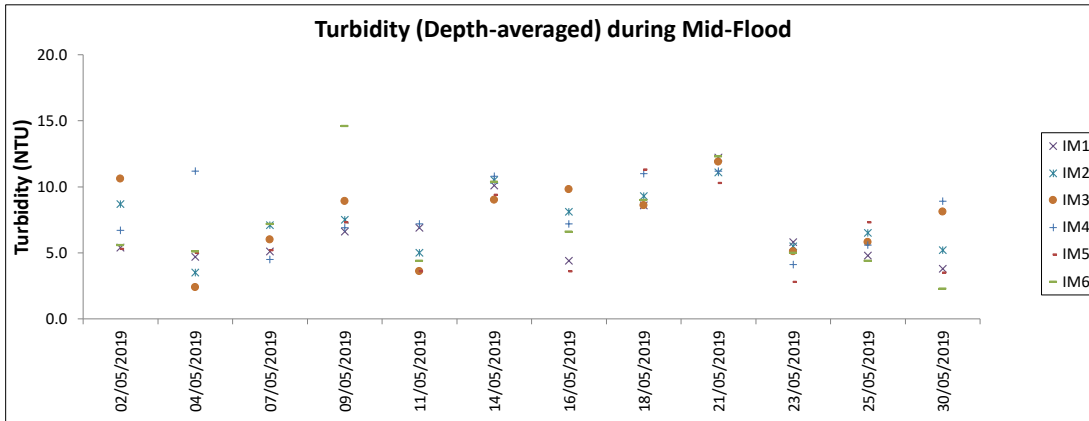
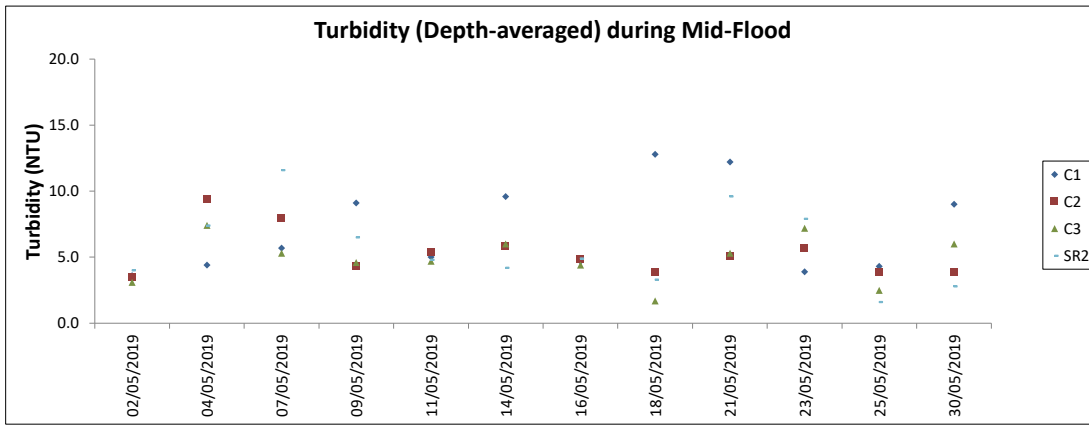




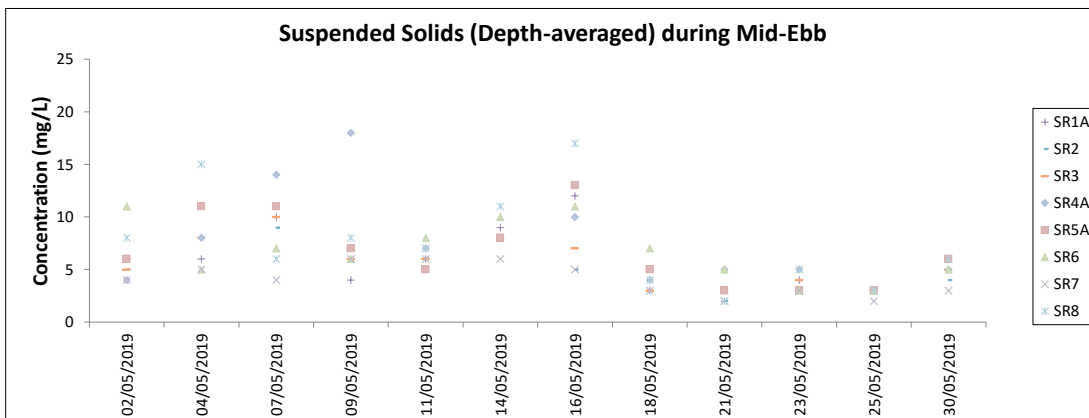
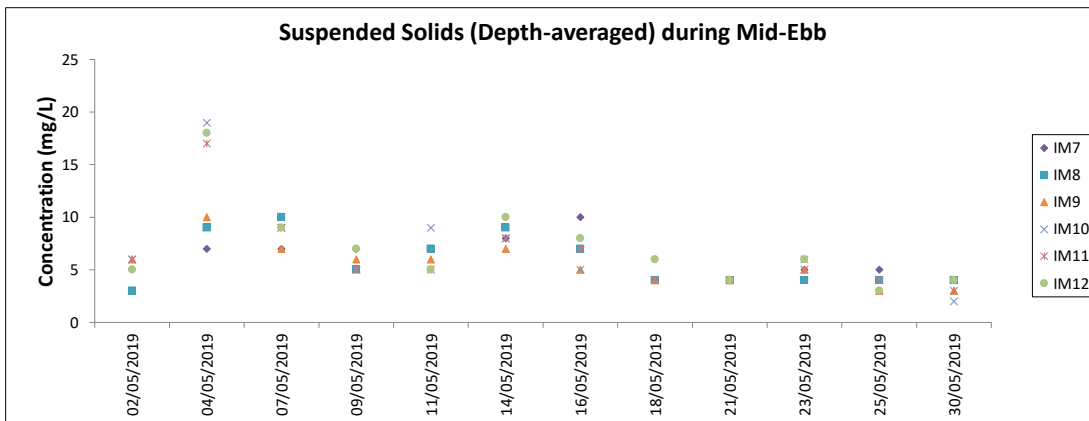
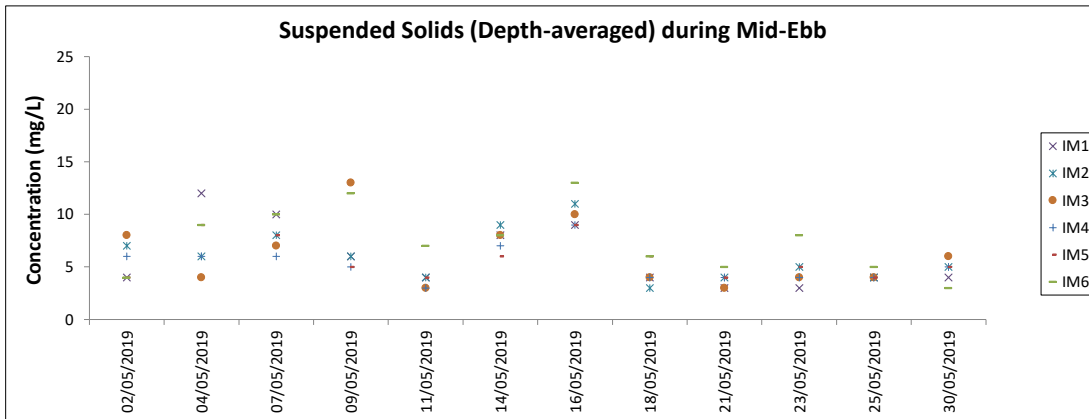
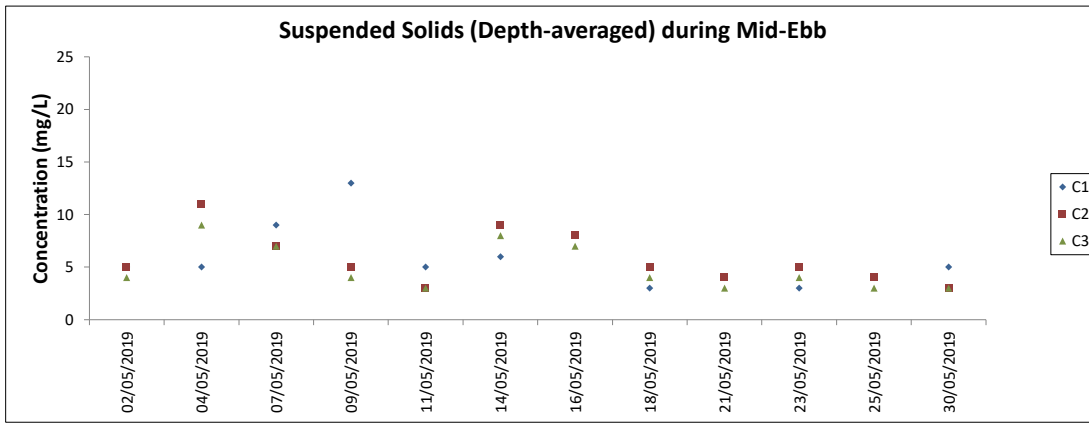




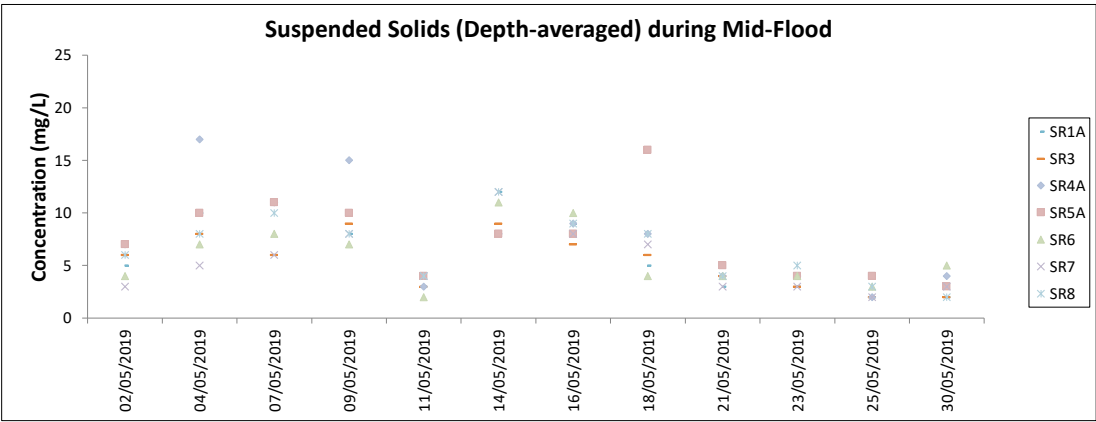
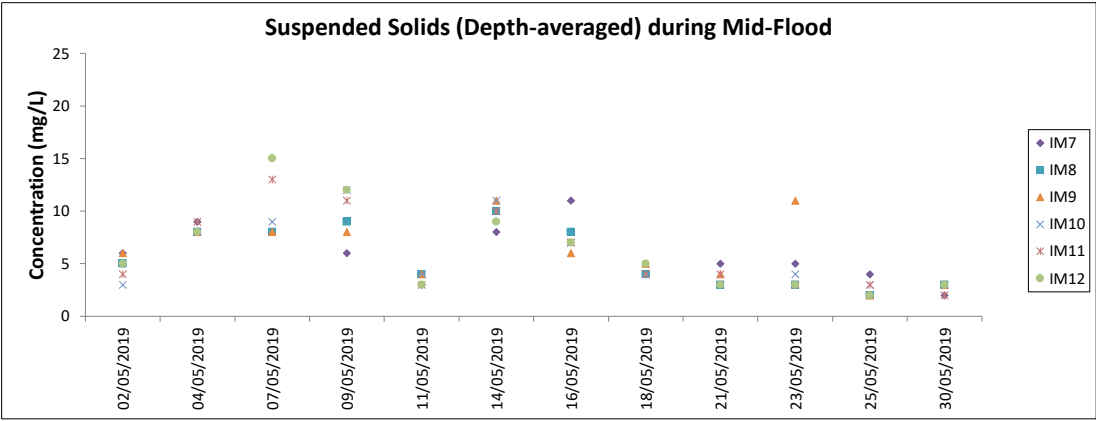
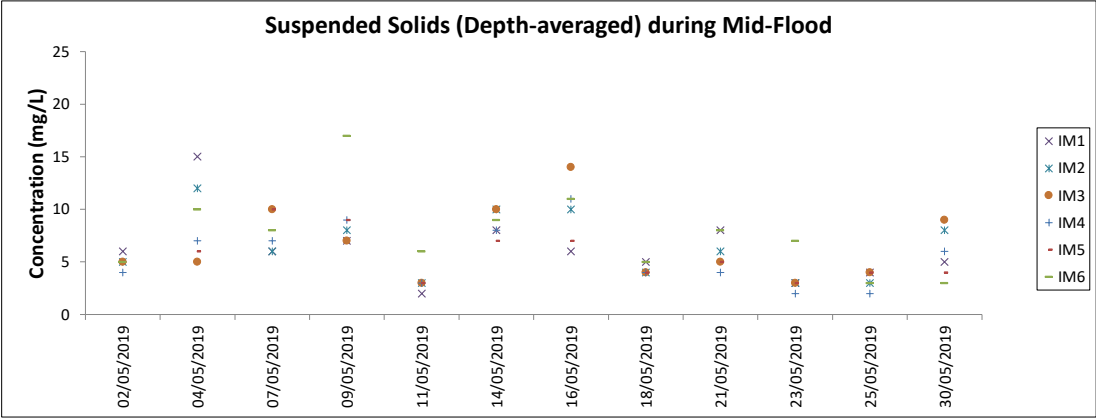
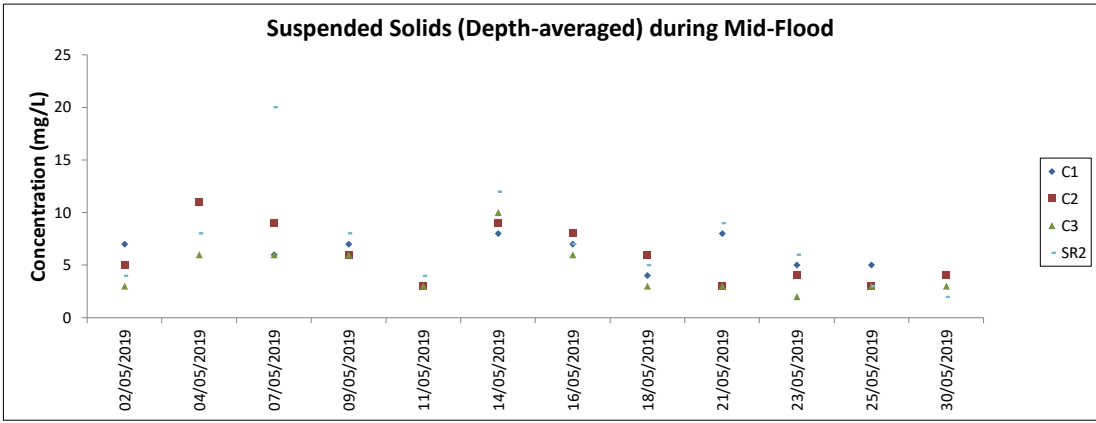
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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

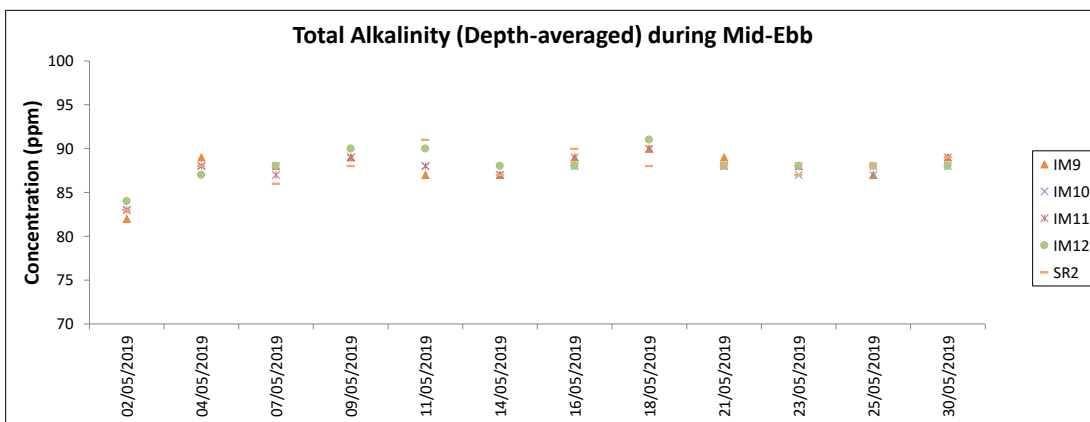
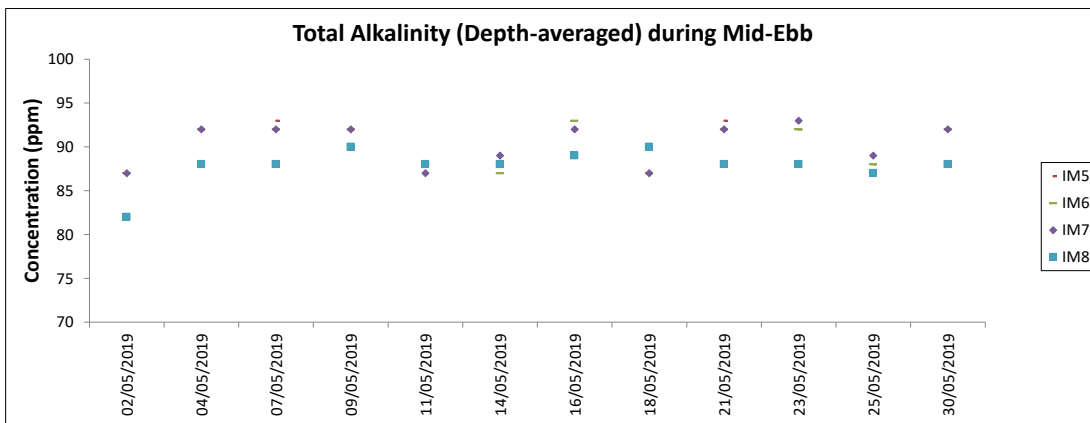
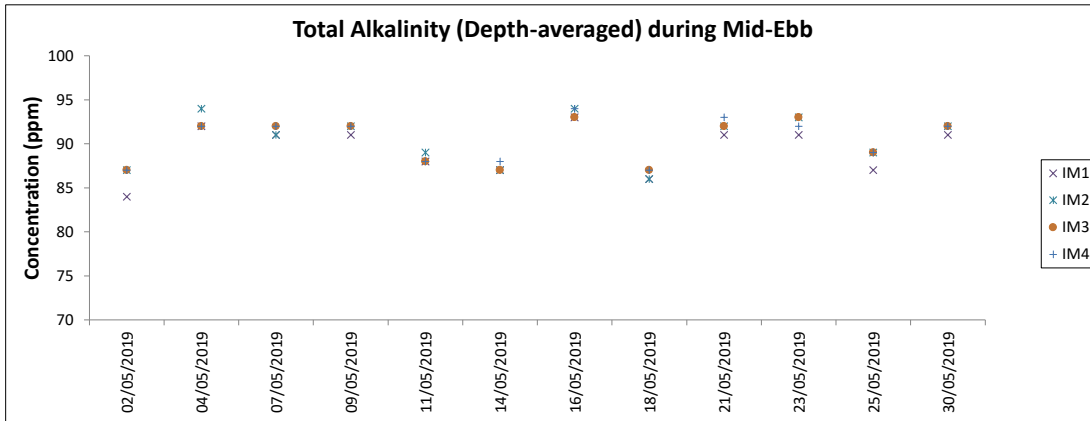
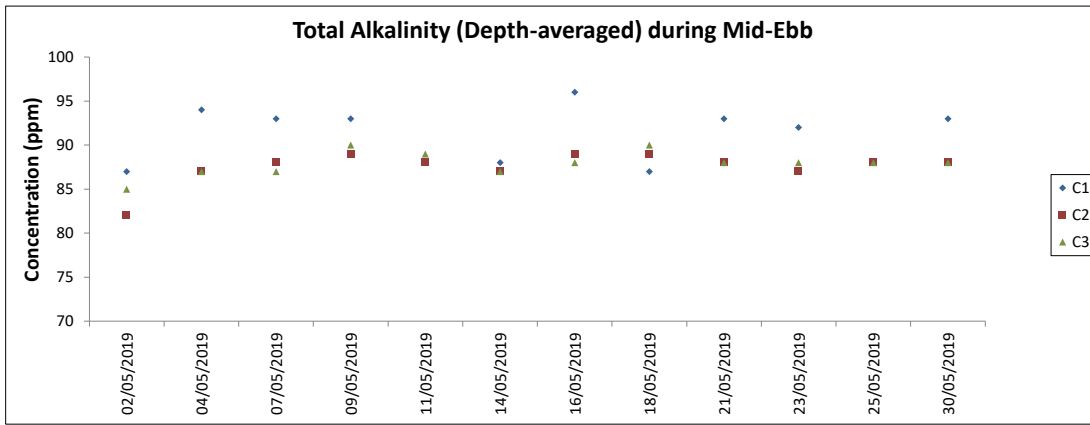


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

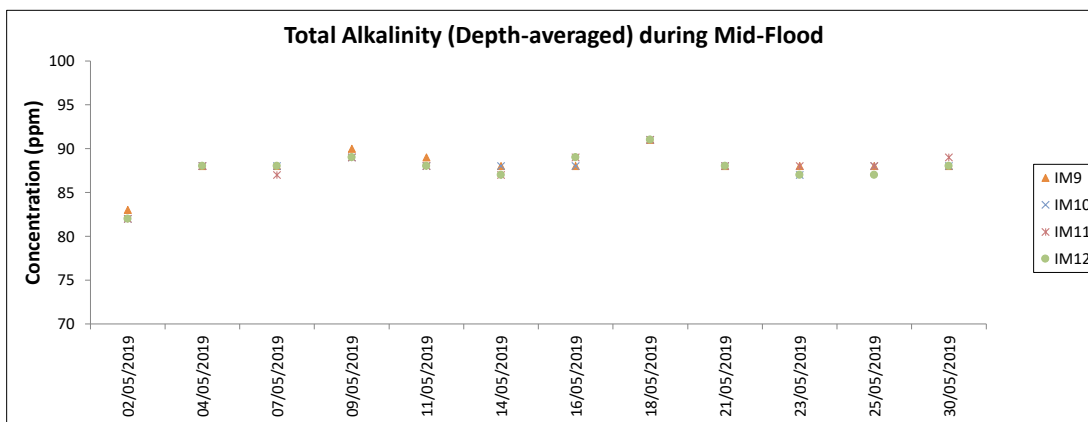
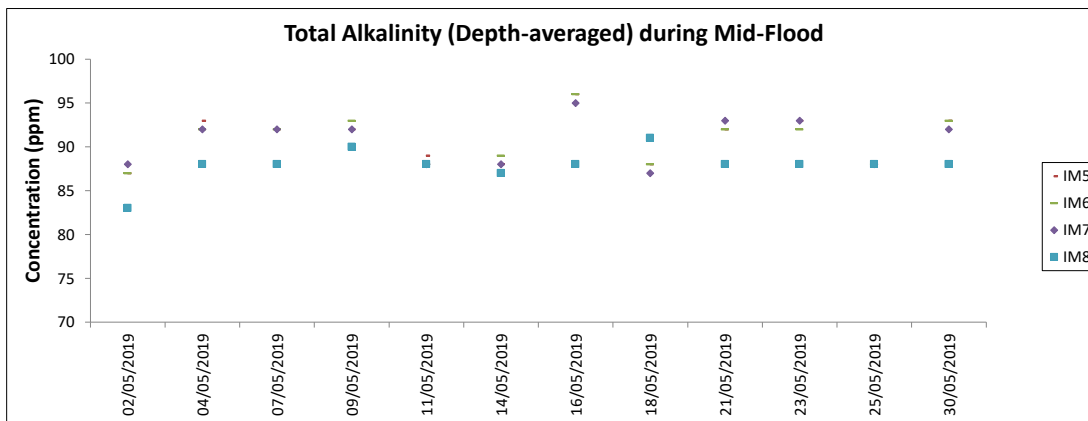
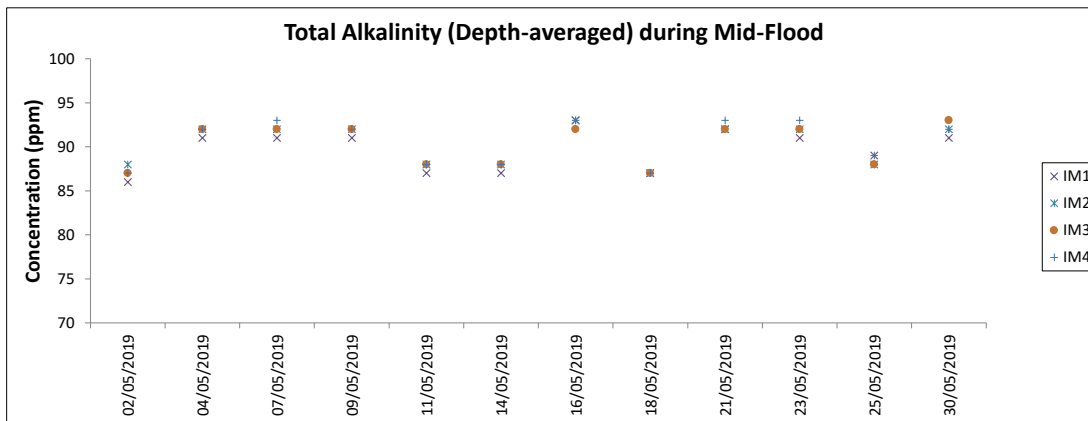
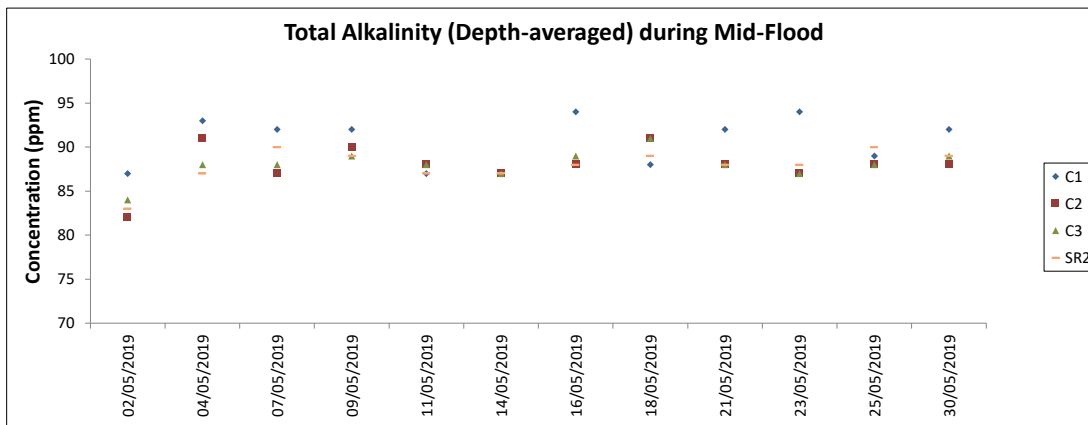


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

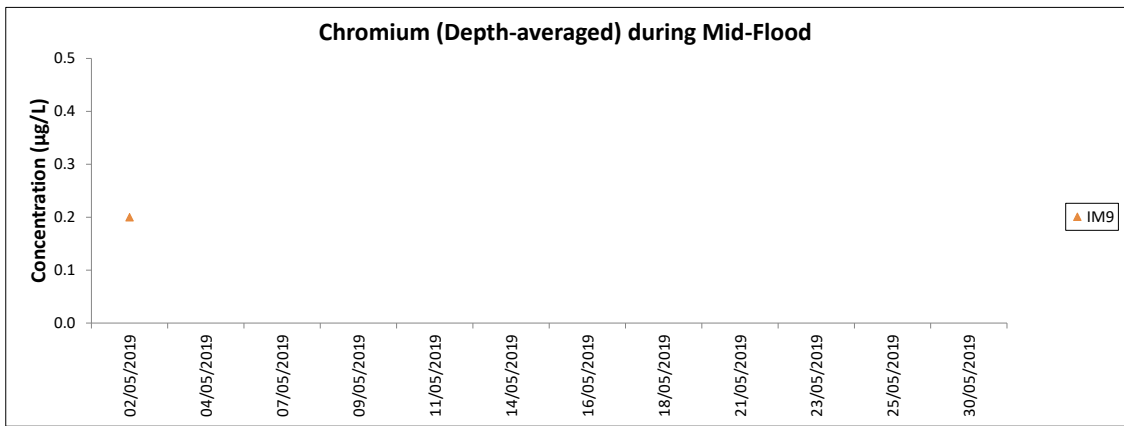




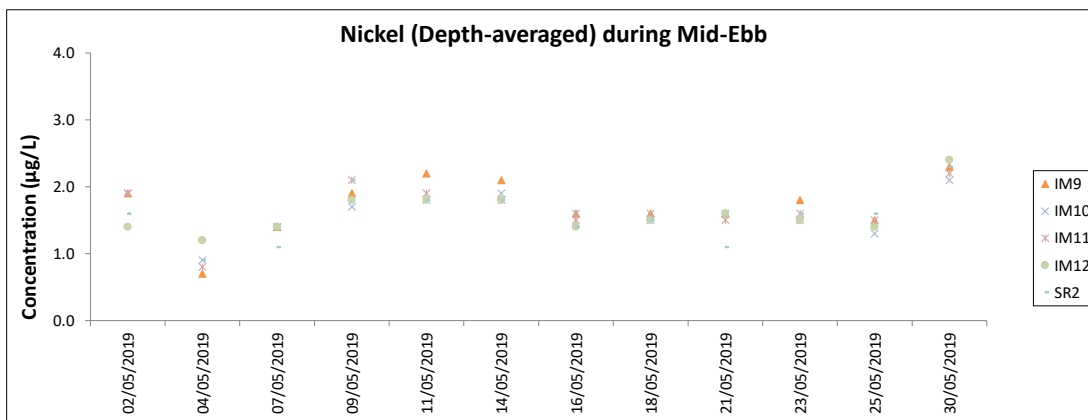
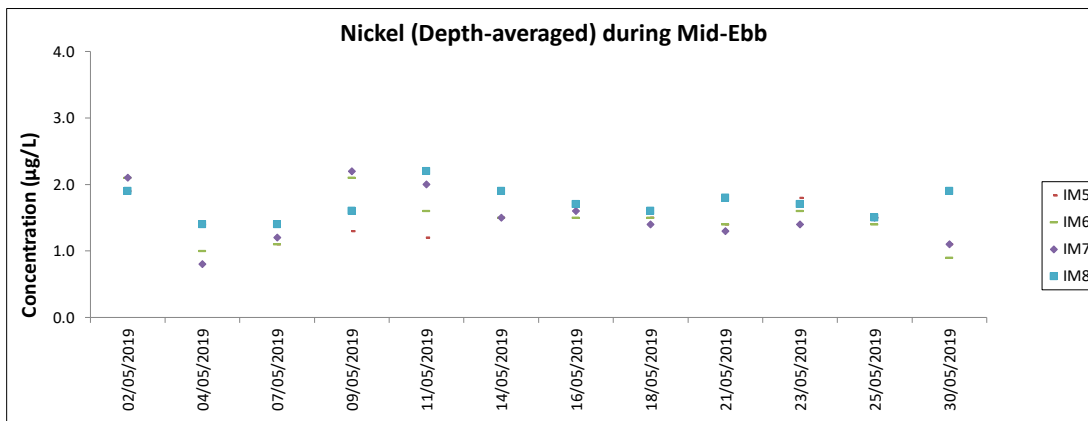
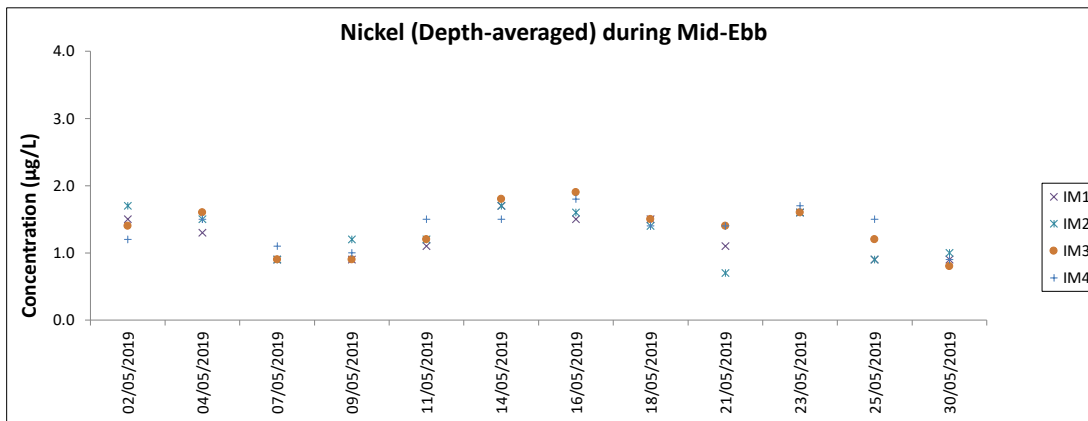
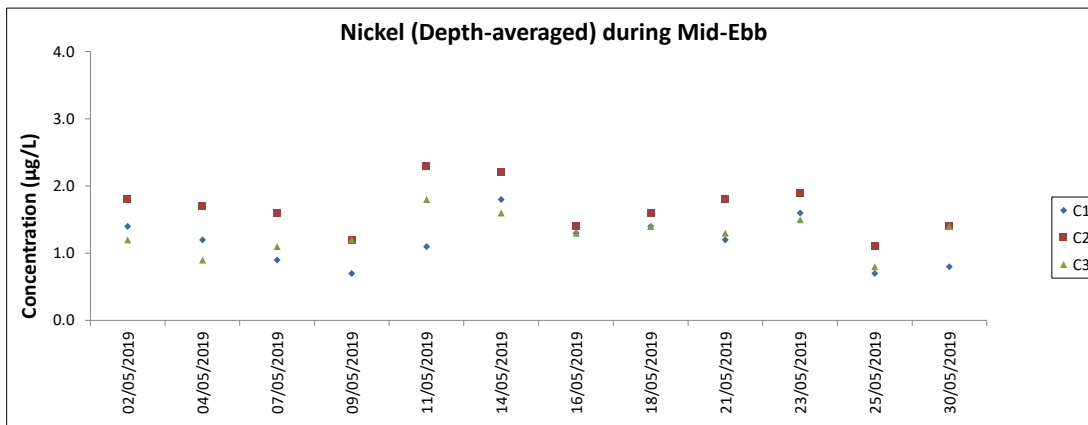
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



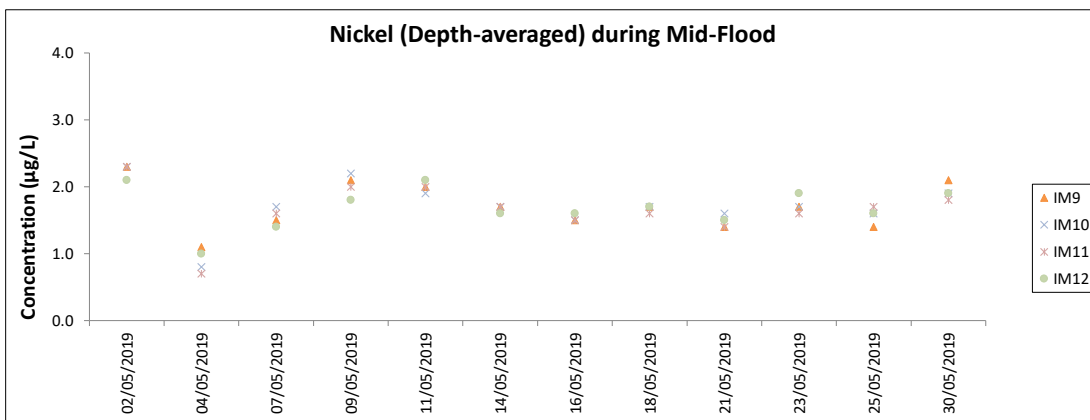
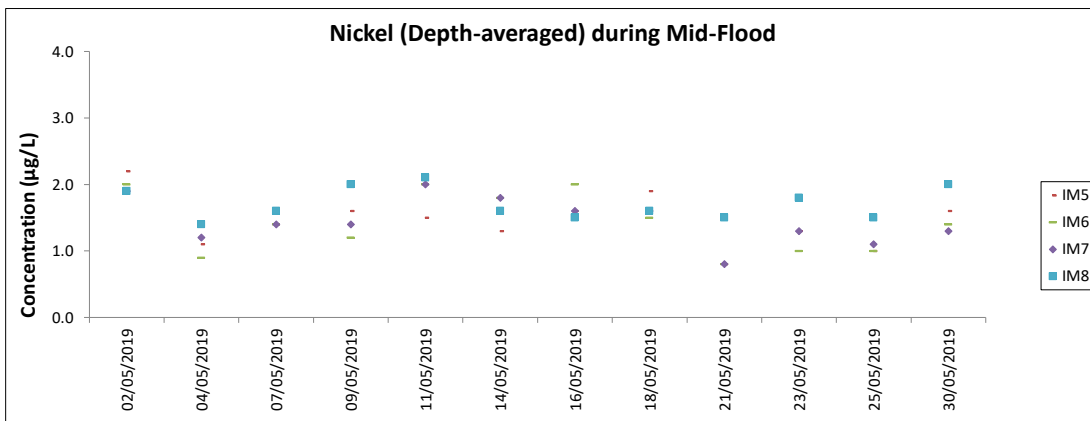
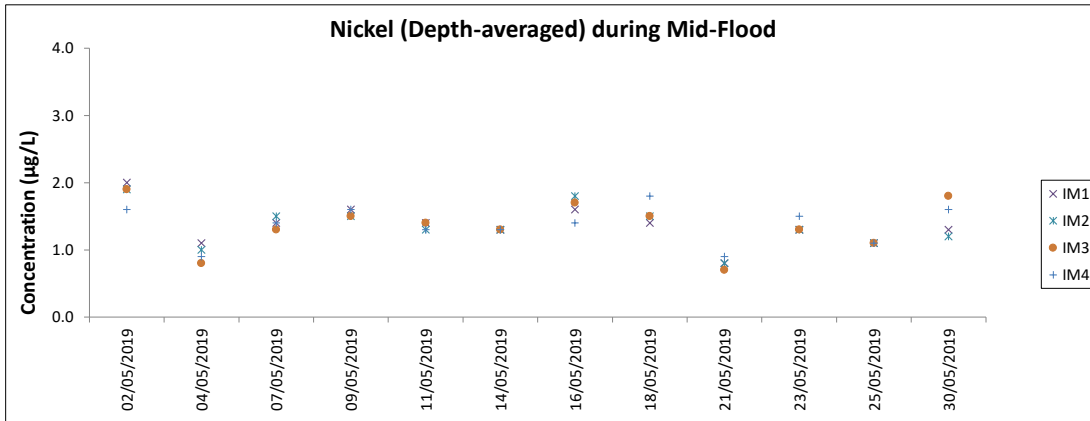
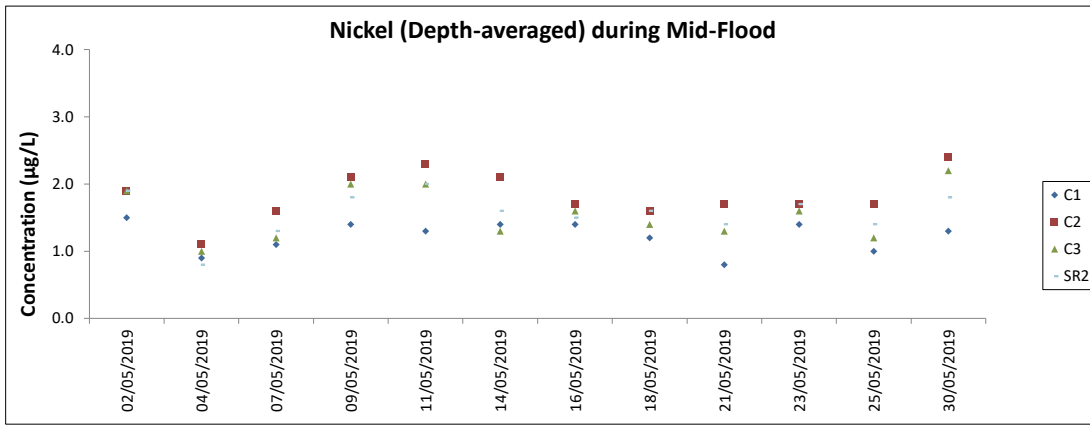
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
6-Mar-19	NWL	2	7.760	SPRING	32166	3RS ET	P
6-Mar-19	NWL	3	45.090	SPRING	32166	3RS ET	P
6-Mar-19	NWL	4	9.860	SPRING	32166	3RS ET	P
6-Mar-19	NWL	2	2.390	SPRING	32166	3RS ET	S
6-Mar-19	NWL	3	9.400	SPRING	32166	3RS ET	S
8-Mar-19	NEL	2	7.210	SPRING	32166	3RS ET	P
8-Mar-19	NEL	3	15.470	SPRING	32166	3RS ET	P
8-Mar-19	NEL	4	14.300	SPRING	32166	3RS ET	P
8-Mar-19	NEL	2	1.100	SPRING	32166	3RS ET	S
8-Mar-19	NEL	3	9.020	SPRING	32166	3RS ET	S
12-Mar-19	AW	2	4.790	SPRING	32166	3RS ET	P
12-Mar-19	WL	2	17.206	SPRING	32166	3RS ET	P
12-Mar-19	WL	3	1.200	SPRING	32166	3RS ET	P
12-Mar-19	WL	2	8.012	SPRING	32166	3RS ET	S
12-Mar-19	WL	3	0.890	SPRING	32166	3RS ET	S
13-Mar-19	NWL	2	25.190	SPRING	32166	3RS ET	P
13-Mar-19	NWL	3	37.650	SPRING	32166	3RS ET	P
13-Mar-19	NWL	2	9.060	SPRING	32166	3RS ET	S
13-Mar-19	NWL	3	2.600	SPRING	32166	3RS ET	S
15-Mar-19	NEL	2	22.660	SPRING	32166	3RS ET	P
15-Mar-19	NEL	3	15.030	SPRING	32166	3RS ET	P
15-Mar-19	NEL	2	8.010	SPRING	32166	3RS ET	S
15-Mar-19	NEL	3	1.700	SPRING	32166	3RS ET	S
21-Mar-19	SWL	1	6.680	SPRING	32166	3RS ET	P
21-Mar-19	SWL	2	49.790	SPRING	32166	3RS ET	P
21-Mar-19	SWL	3	4.000	SPRING	32166	3RS ET	P
21-Mar-19	SWL	2	9.960	SPRING	32166	3RS ET	S
22-Mar-19	SWL	1	3.850	SPRING	32166	3RS ET	P
22-Mar-19	SWL	2	56.301	SPRING	32166	3RS ET	P
22-Mar-19	SWL	2	9.689	SPRING	32166	3RS ET	S
25-Mar-19	AW	3	4.650	SPRING	32166	3RS ET	P
25-Mar-19	WL	2	3.400	SPRING	32166	3RS ET	P
25-Mar-19	WL	3	12.070	SPRING	32166	3RS ET	P
25-Mar-19	WL	4	4.800	SPRING	32166	3RS ET	P
25-Mar-19	WL	2	4.640	SPRING	32166	3RS ET	S
25-Mar-19	WL	3	6.190	SPRING	32166	3RS ET	S
2-Apr-19	NEL	2	3.760	SPRING	32166	3RS ET	P
2-Apr-19	NEL	3	32.560	SPRING	32166	3RS ET	P
2-Apr-19	NEL	4	1.300	SPRING	32166	3RS ET	P
2-Apr-19	NEL	2	2.950	SPRING	32166	3RS ET	S
2-Apr-19	NEL	3	6.330	SPRING	32166	3RS ET	S
3-Apr-19	AW	3	4.860	SPRING	32166	3RS ET	P
3-Apr-19	WL	2	16.868	SPRING	32166	3RS ET	P
3-Apr-19	WL	3	6.320	SPRING	32166	3RS ET	P
3-Apr-19	WL	2	5.681	SPRING	32166	3RS ET	S
3-Apr-19	WL	3	3.930	SPRING	32166	3RS ET	S
9-Apr-19	SWL	2	4.100	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
9-Apr-19	SWL	3	50.530	SPRING	32166	3RS ET	P
9-Apr-19	SWL	4	1.000	SPRING	32166	3RS ET	P
9-Apr-19	SWL	2	1.200	SPRING	32166	3RS ET	S
9-Apr-19	SWL	3	13.470	SPRING	32166	3RS ET	S
11-Apr-19	SWL	2	50.110	SPRING	32166	3RS ET	P
11-Apr-19	SWL	3	5.000	SPRING	32166	3RS ET	P
11-Apr-19	SWL	2	13.420	SPRING	32166	3RS ET	S
11-Apr-19	SWL	3	2.340	SPRING	32166	3RS ET	S
17-Apr-19	AW	2	4.700	SPRING	32166	3RS ET	P
17-Apr-19	WL	1	3.160	SPRING	32166	3RS ET	P
17-Apr-19	WL	2	6.754	SPRING	32166	3RS ET	P
17-Apr-19	WL	3	13.978	SPRING	32166	3RS ET	P
17-Apr-19	WL	1	2.450	SPRING	32166	3RS ET	S
17-Apr-19	WL	2	2.196	SPRING	32166	3RS ET	S
17-Apr-19	WL	3	3.312	SPRING	32166	3RS ET	S
18-Apr-19	NEL	2	3.820	SPRING	32166	3RS ET	P
18-Apr-19	NEL	3	32.970	SPRING	32166	3RS ET	P
18-Apr-19	NEL	2	3.510	SPRING	32166	3RS ET	S
18-Apr-19	NEL	3	6.500	SPRING	32166	3RS ET	S
24-Apr-19	NWL	2	24.330	SPRING	32166	3RS ET	P
24-Apr-19	NWL	3	38.410	SPRING	32166	3RS ET	P
24-Apr-19	NWL	2	7.110	SPRING	32166	3RS ET	S
24-Apr-19	NWL	3	5.150	SPRING	32166	3RS ET	S
25-Apr-19	NWL	2	15.581	SPRING	32166	3RS ET	P
25-Apr-19	NWL	3	45.251	SPRING	32166	3RS ET	P
25-Apr-19	NWL	4	1.100	SPRING	32166	3RS ET	P
25-Apr-19	NWL	2	4.530	SPRING	32166	3RS ET	S
25-Apr-19	NWL	3	7.379	SPRING	32166	3RS ET	S
3-May-19	NEL	2	9.550	SPRING	32166	3RS ET	P
3-May-19	NEL	3	27.830	SPRING	32166	3RS ET	P
3-May-19	NEL	2	5.120	SPRING	32166	3RS ET	S
3-May-19	NEL	3	5.300	SPRING	32166	3RS ET	S
8-May-19	AW	3	2.330	SPRING	32166	3RS ET	P
8-May-19	AW	4	2.340	SPRING	32166	3RS ET	P
8-May-19	WL	2	8.310	SPRING	32166	3RS ET	P
8-May-19	WL	3	5.280	SPRING	32166	3RS ET	P
8-May-19	WL	4	7.050	SPRING	32166	3RS ET	P
8-May-19	WL	2	5.150	SPRING	32166	3RS ET	S
8-May-19	WL	3	2.580	SPRING	32166	3RS ET	S
8-May-19	WL	4	3.130	SPRING	32166	3RS ET	S
9-May-19	NEL	1	2.300	SPRING	32166	3RS ET	P
9-May-19	NEL	2	32.170	SPRING	32166	3RS ET	P
9-May-19	NEL	3	3.160	SPRING	32166	3RS ET	P
9-May-19	NEL	1	1.000	SPRING	32166	3RS ET	S
9-May-19	NEL	2	8.970	SPRING	32166	3RS ET	S
10-May-19	SWL	2	6.600	SPRING	32166	3RS ET	P
10-May-19	SWL	3	48.980	SPRING	32166	3RS ET	P
10-May-19	SWL	2	2.120	SPRING	32166	3RS ET	S
10-May-19	SWL	3	13.300	SPRING	32166	3RS ET	S



DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
14-May-19	AW	2	4.730	SPRING	32166	3RS ET	P
14-May-19	WL	2	12.245	SPRING	32166	3RS ET	P
14-May-19	WL	3	6.915	SPRING	32166	3RS ET	P
14-May-19	WL	2	5.880	SPRING	32166	3RS ET	S
14-May-19	WL	3	4.048	SPRING	32166	3RS ET	S
15-May-19	NWL	2	36.790	SPRING	32166	3RS ET	P
15-May-19	NWL	3	26.720	SPRING	32166	3RS ET	P
15-May-19	NWL	2	7.310	SPRING	32166	3RS ET	S
15-May-19	NWL	3	4.710	SPRING	32166	3RS ET	S
16-May-19	NWL	2	4.080	SPRING	32166	3RS ET	P
16-May-19	NWL	3	44.920	SPRING	32166	3RS ET	P
16-May-19	NWL	4	13.900	SPRING	32166	3RS ET	P
16-May-19	NWL	3	11.800	SPRING	32166	3RS ET	S
16-May-19	NWL	4	0.300	SPRING	32166	3RS ET	S
27-May-19	SWL	2	29.957	SPRING	32166	3RS ET	P
27-May-19	SWL	3	24.860	SPRING	32166	3RS ET	P
27-May-19	SWL	2	12.763	SPRING	32166	3RS ET	S
27-May-19	SWL	3	1.400	SPRING	32166	3RS ET	S

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

## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
06-Mar-19	1	1204	CWD	3	NWL	2	244	ON	3RS ET	22.3957	113.8876	SPRING	NONE	P
12-Mar-19	1	1014	CWD	1	WL	2	434	ON	3RS ET	22.2760	113.8506	SPRING	NONE	S
12-Mar-19	2	1026	CWD	5	WL	2	9	ON	3RS ET	22.2718	113.8455	SPRING	NONE	S
12-Mar-19	3	1051	CWD	11	WL	2	313	ON	3RS ET	22.2684	113.8518	SPRING	NONE	P
12-Mar-19	4	1137	CWD	1	WL	2	53	ON	3RS ET	22.2412	113.8370	SPRING	NONE	P
12-Mar-19	5	1216	CWD	4	WL	2	295	ON	3RS ET	22.2142	113.8286	SPRING	NONE	P
13-Mar-19	1	1032	CWD	2	NWL	2	76	ON	3RS ET	22.2866	113.8699	SPRING	NONE	P
21-Mar-19	1	1039	FP	6	SWL	1	230	ON	3RS ET	22.1842	113.9354	SPRING	NONE	P
21-Mar-19	2	1220	FP	3	SWL	2	103	ON	3RS ET	22.1539	113.9068	SPRING	NONE	P
22-Mar-19	1	1032	FP	3	SWL	2	81	ON	3RS ET	22.1998	113.9356	SPRING	NONE	P
22-Mar-19	2	1041	FP	5	SWL	2	103	ON	3RS ET	22.1822	113.9365	SPRING	NONE	P
22-Mar-19	3	1114	FP	9	SWL	2	296	ON	3RS ET	22.1637	113.9278	SPRING	NONE	P
22-Mar-19	4	1207	FP	2	SWL	2	2	ON	3RS ET	22.1482	113.9175	SPRING	NONE	P
22-Mar-19	5	1413	FP	1	SWL	2	199	ON	3RS ET	22.1820	113.8780	SPRING	NONE	P
22-Mar-19	6	1425	FP	1	SWL	2	45	ON	3RS ET	22.1766	113.8781	SPRING	NONE	P
22-Mar-19	7	1433	FP	2	SWL	2	70	ON	3RS ET	22.1626	113.8784	SPRING	NONE	P
22-Mar-19	8	1447	FP	4	SWL	2	85	ON	3RS ET	22.1710	113.8688	SPRING	NONE	P
25-Mar-19	1	1052	CWD	6	WL	2	206	ON	3RS ET	22.2504	113.8372	SPRING	NONE	P
3-Apr-19	1	1028	CWD	1	WL	2	355	ON	3RS ET	22.2658	113.8586	SPRING	NONE	S
3-Apr-19	2	1043	CWD	1	WL	2	202	ON	3RS ET	22.2603	113.8457	SPRING	NONE	P
3-Apr-19	3	1148	CWD	21	WL	3	728	ON	3RS ET	22.2187	113.8197	SPRING	PAIR TRAWLER	S
11-Apr-19	1	1041	FP	4	SWL	3	256	ON	3RS ET	22.1688	113.8569	SPRING	NONE	S
17-Apr-19	1	1043	CWD	3	WL	2	195	ON	3RS ET	22.2499	113.8366	SPRING	NONE	P
17-Apr-19	2	1059	CWD	1	WL	2	474	ON	3RS ET	22.2413	113.8370	SPRING	NONE	P
17-Apr-19	3	1114	CWD	2	WL	2	567	ON	3RS ET	22.2390	113.8271	SPRING	NONE	S
17-Apr-19	4	1127	CWD	4	WL	2	55	ON	3RS ET	22.2358	113.8250	SPRING	NONE	S
17-Apr-19	5	1143	CWD	3	WL	2	224	ON	3RS ET	22.2322	113.8308	SPRING	NONE	P
17-Apr-19	6	1200	CWD	4	WL	3	246	ON	3RS ET	22.2230	113.8306	SPRING	NONE	P
24-Apr-19	1	1038	CWD	1	NWL	3	33	ON	3RS ET	22.2711	113.8716	SPRING	NONE	S
25-Apr-19	1	0946	CWD	3	NWL	2	182	ON	3RS ET	22.3854	113.8697	SPRING	NONE	P
25-Apr-19	2	1000	CWD	2	NWL	2	319	ON	3RS ET	22.3797	113.8705	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
25-Apr-19	3	1055	CWD	3	NWL	3	473	ON	3RS ET	22.2795	113.8699	SPRING	NONE	P
8-May-19	1	1120	CWD	12	WL	3	72	ON	3RS ET	22.2321	113.8295	SPRING	NONE	P
14-May-19	1	1038	CWD	2	WL	2	169	ON	3RS ET	22.2606	113.8545	SPRING	NONE	S
14-May-19	2	1102	CWD	7	WL	2	505	ON	3RS ET	22.2496	113.8407	SPRING	NONE	P
14-May-19	3	1229	CWD	4	WL	3	171	ON	3RS ET	22.2012	113.8245	SPRING	NONE	S
14-May-19	4	1249	CWD	8	WL	3	126	ON	3RS ET	22.1962	113.8363	SPRING	NONE	P
14-May-19	5	1318	CWD	2	WL	2	396	ON	3RS ET	22.1926	113.8423	SPRING	NONE	S
15-May-19	1	0955	CWD	2	NWL	2	305	ON	3RS ET	22.3681	113.8700	SPRING	NONE	P
15-May-19	2	1054	CWD	1	NWL	3	1539	ON	3RS ET	22.2727	113.8701	SPRING	NONE	P
15-May-19	3	1348	CWD	4	NWL	2	6	ON	3RS ET	22.4008	113.8978	SPRING	NONE	P
27-May-19	1	1210	FP	2	SWL	2	171	ON	3RS ET	22.1536	113.9084	SPRING	NONE	P
27-May-19	2	1316	FP	1	SWL	2	4	ON	3RS ET	22.1584	113.8976	SPRING	NONE	P
27-May-19	3	1443	CWD	4	SWL	2	15	ON	3RS ET	22.1987	113.8692	SPRING	NONE	P

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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. March 2019 and April 2019) are presented for reference only. No relevant figure or text will be mentioned in this monthly EM&A report.

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

Calculation of the May 2019 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 429.178 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 10 on-effort sightings and total number of 46 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in May 2019 are shown as below:

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

$$STG = \frac{10}{429.178} \times 100 = 2.33$$

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

$$ANI = \frac{46}{429.178} \times 100 = 10.72$$

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

A total of 1306.356 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 31 on-effort sightings and total number of 128 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)









$$STG = \frac{31}{1306.356} \times 100 = 2.37$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

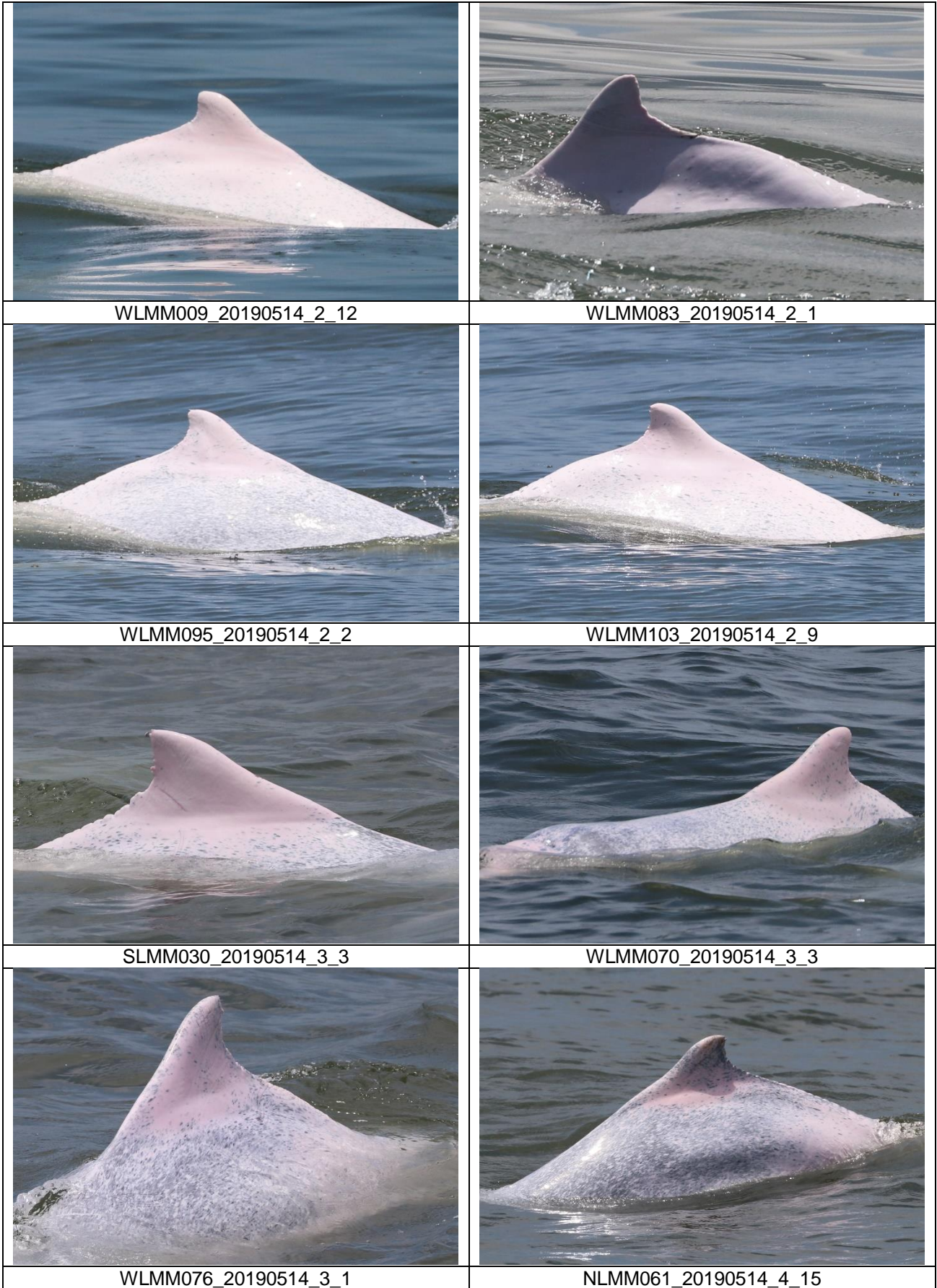
$$ANI = \frac{128}{1306.356} \times 100 = 9.80$$

CWD Small Vessel Line-transect Survey

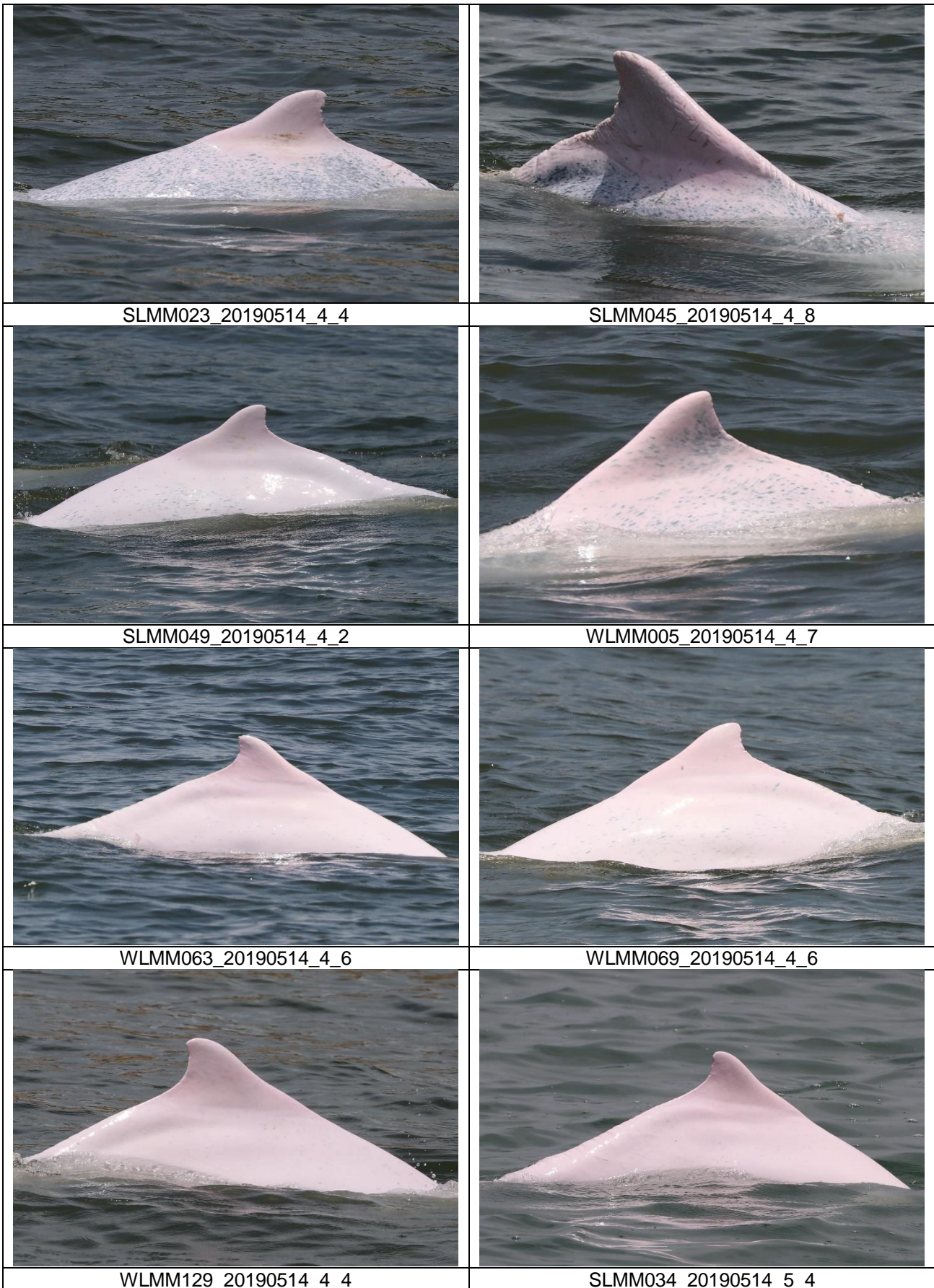
Photo Identification

	
SLMM002_20190508_1_1	SLMM034_20190508_1_5
	
WLMM007_20190508_1_7	WLMM079_20190508_1_13
	
WLMM137_20190508_1_1	NLMM016_20190514_1_4
	
WLMM043_20190514_1_6	WLMM006_20190514_2_11


















	
NLMM039_20190515_1_5	WLMM061_20190515_2_5
	
NLMM006_20190515_3_2	NLMM013_20190515_3_5
	
SLMM030_20190527_3_2	WLMM076_20190527_3_5
	
WLMM078_20190527_3_7	



**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>
3/May/19	Sha Chau	8:37	14:37	6:00	2-3	2-3	0	0
30/May/19	Lung Kwu Chau	8:45	14:45	6:00	3	3	0	-
31/May/19	Lung Kwu Chau	8:43	14:43	6:00	2	2-4	1	6

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