

## **Appendix D. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

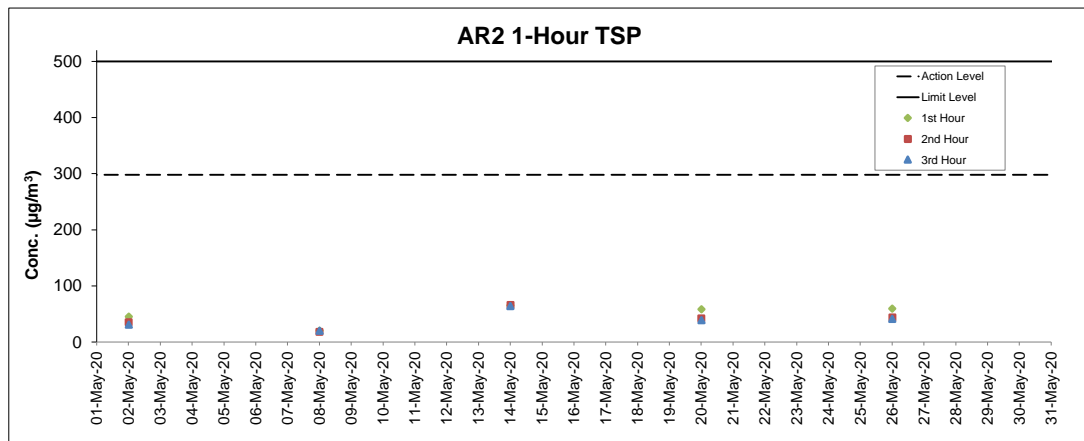
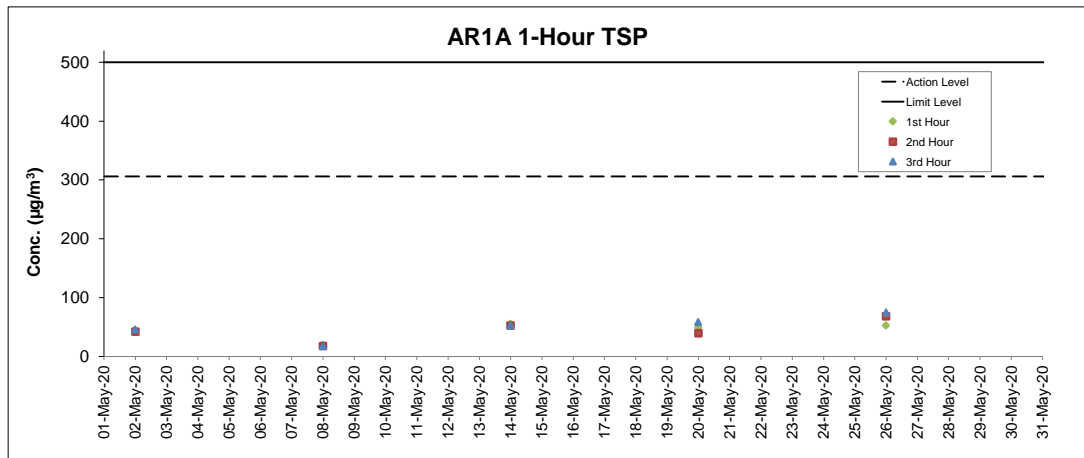
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
02-May-20	13:37	Sunny	4.7	245	42	306	500
02-May-20	14:37	Sunny	5.8	233	43	306	500
02-May-20	15:37	Sunny	5.0	237	46	306	500
08-May-20	13:25	Cloudy	5.8	194	20	306	500
08-May-20	14:25	Cloudy	6.9	206	18	306	500
08-May-20	15:25	Cloudy	6.4	203	18	306	500
14-May-20	13:25	Cloudy	6.4	125	56	306	500
14-May-20	14:25	Cloudy	8.1	134	53	306	500
14-May-20	15:35	Cloudy	8.3	148	53	306	500
20-May-20	13:08	Cloudy	7.8	106	49	306	500
20-May-20	14:08	Cloudy	7.5	95	40	306	500
20-May-20	15:08	Cloudy	8.3	89	59	306	500
26-May-20	13:12	Cloudy	8.3	230	53	306	500
26-May-20	14:12	Cloudy	7.2	222	69	306	500
26-May-20	15:12	Cloudy	3.9	229	75	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 ( $\mu\text{g}/\text{m}^3$ )
02-May-20	9:38	Sunny	2.8	33	45	298	500
02-May-20	10:38	Sunny	3.6	263	35	298	500
02-May-20	11:38	Sunny	5.0	259	31	298	500
08-May-20	9:15	Cloudy	3.3	201	20	298	500
08-May-20	10:15	Cloudy	6.1	167	18	298	500
08-May-20	11:15	Cloudy	5.0	210	20	298	500
14-May-20	9:15	Cloudy	8.3	91	65	298	500
14-May-20	10:15	Cloudy	7.5	100	66	298	500
14-May-20	11:15	Cloudy	8.3	99	64	298	500
20-May-20	9:13	Cloudy	5.3	69	58	298	500
20-May-20	10:13	Cloudy	6.1	85	42	298	500
20-May-20	11:13	Cloudy	6.4	133	39	298	500
26-May-20	9:32	Cloudy	6.1	227	59	298	500
26-May-20	10:32	Cloudy	6.1	224	44	298	500
26-May-20	11:32	Cloudy	6.7	227	41	298	500



**Notes**

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

## Noise Monitoring Results

### Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
08-May-20	Cloudy	13:38	72.2	51.7	72
08-May-20	Cloudy	13:43	75.2	53.4	
08-May-20	Cloudy	13:48	72.9	57.7	
08-May-20	Cloudy	13:53	72.5	55.8	
08-May-20	Cloudy	13:58	73.6	55.1	
08-May-20	Cloudy	14:03	72.0	51.5	
14-May-20	Cloudy	16:47	59.6	51.5	66
14-May-20	Cloudy	16:52	59.4	51.8	
14-May-20	Cloudy	16:57	64.2	55.1	
14-May-20	Cloudy	17:02	65.3	55.1	
14-May-20	Cloudy	17:07	71.0	55.2	
14-May-20	Cloudy	17:12	66.1	51.6	
20-May-20	Cloudy	16:35	67.2	55.1	68
20-May-20	Cloudy	16:40	68.9	58.6	
20-May-20	Cloudy	16:45	66.0	55.7	
20-May-20	Cloudy	16:50	67.5	57.6	
20-May-20	Cloudy	16:55	68.9	60.4	
20-May-20	Cloudy	17:00	65.9	53.9	
26-May-20	Cloudy	13:02	74.4	60.7	69
26-May-20	Cloudy	13:07	67.3	56.1	
26-May-20	Cloudy	13:12	66.8	61.3	
26-May-20	Cloudy	13:17	63.3	55.8	
26-May-20	Cloudy	13:22	66.4	55.5	
26-May-20	Cloudy	13:27	66.4	56.0	

Remarks:

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

### Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
08-May-20	Sunny	16:38	56.7	52.6	59
08-May-20	Sunny	16:43	57.0	52.6	
08-May-20	Sunny	16:48	57.3	52.3	
08-May-20	Sunny	16:53	57.8	52.9	
08-May-20	Sunny	16:58	57.8	52.9	
08-May-20	Sunny	17:03	57.2	52.2	
14-May-20	Cloudy	13:27	63.6	56.4	66
14-May-20	Cloudy	13:32	61.8	58.5	
14-May-20	Cloudy	13:37	62.5	59.1	
14-May-20	Cloudy	13:42	61.4	56.5	
14-May-20	Cloudy	13:47	68.3	55.3	
14-May-20	Cloudy	13:52	68.8	62.5	
20-May-20	Cloudy	13:15	66.0	60.6	66
20-May-20	Cloudy	13:20	65.1	60.7	
20-May-20	Cloudy	13:25	63.8	59.7	
20-May-20	Cloudy	13:30	64.0	60.5	
20-May-20	Cloudy	13:35	64.8	60.6	
20-May-20	Cloudy	13:40	64.1	58.7	
25-May-20	Cloudy	16:55	56.1	53.5	60
25-May-20	Cloudy	17:00	59.2	51.8	
25-May-20	Cloudy	17:05	57.4	51.9	
25-May-20	Cloudy	17:10	55.1	51.3	
25-May-20	Cloudy	17:15	58.5	52.0	
25-May-20	Cloudy	17:20	55.7	51.6	

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)
08-May-20	Cloudy	10:35	53.4	48.8	59
08-May-20	Cloudy	10:40	53.7	49.0	
08-May-20	Cloudy	10:45	51.7	48.9	
08-May-20	Cloudy	10:50	60.1	47.7	
08-May-20	Cloudy	10:55	54.2	44.3	
08-May-20	Cloudy	11:00	51.2	43.7	
14-May-20	Cloudy	9:17	58.6	56.7	58
14-May-20	Cloudy	9:22	58.1	56.3	
14-May-20	Cloudy	9:27	57.2	49.9	
14-May-20	Cloudy	9:32	56.5	49.6	
14-May-20	Cloudy	9:37	56.9	49.9	
14-May-20	Cloudy	9:42	53.7	47.4	
20-May-20	Cloudy	10:30	51.7	47.0	53
20-May-20	Cloudy	10:35	57.0	45.7	
20-May-20	Cloudy	10:40	50.0	42.3	
20-May-20	Cloudy	10:45	49.4	41.9	
20-May-20	Cloudy	10:50	53.4	43.6	
20-May-20	Cloudy	10:55	52.7	43.1	
26-May-20	Cloudy	10:01	69.0	46.0	57
26-May-20	Cloudy	10:06	56.2	47.7	
26-May-20	Cloudy	10:11	51.5	47.6	
26-May-20	Cloudy	10:16	52.1	48.0	
26-May-20	Cloudy	10:21	62.2	50.2	
26-May-20	Cloudy	10:26	59.4	53.1	

Remarks:

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

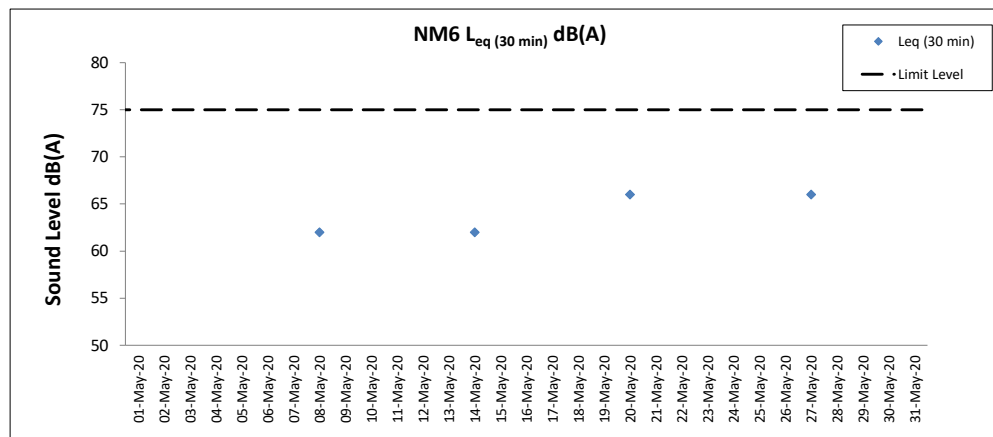
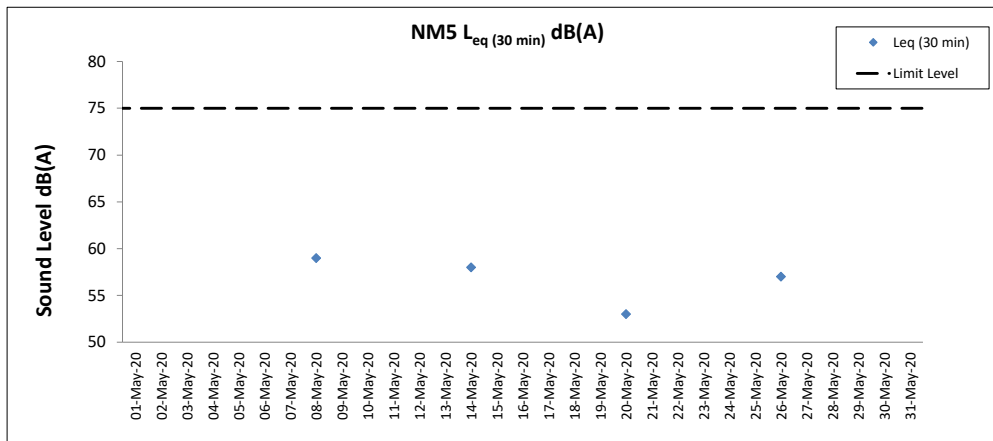
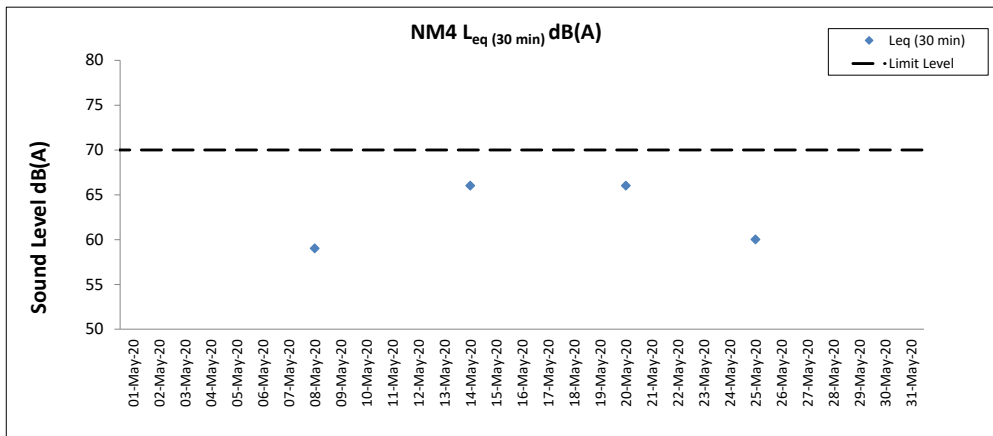
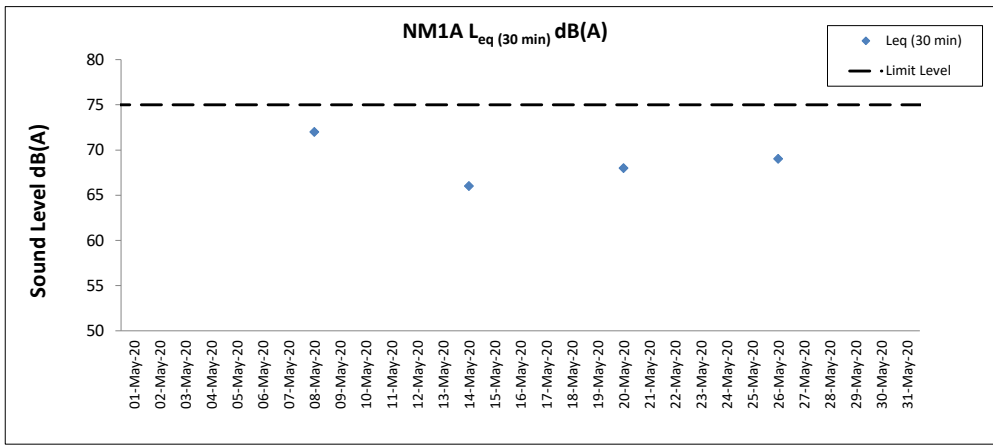
### Noise Measurement Results

#### 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)
08-May-20	Sunny	15:36	62.7	46.9	62
08-May-20	Sunny	15:41	65.2	46.1	
08-May-20	Sunny	15:46	61.8	45.3	
08-May-20	Sunny	15:51	73.8	48.1	
08-May-20	Sunny	15:56	56.8	45.8	
08-May-20	Sunny	16:01	69.8	48.8	
14-May-20	Cloudy	15:41	55.2	47.7	62
14-May-20	Cloudy	15:46	52.5	47.4	
14-May-20	Cloudy	15:51	71.7	54.0	
14-May-20	Cloudy	15:56	72.4	64.9	
14-May-20	Cloudy	16:01	72.6	60.8	
14-May-20	Cloudy	16:06	59.4	46.3	
20-May-20	Cloudy	15:47	63.8	49.8	66
20-May-20	Cloudy	15:52	66.9	51.8	
20-May-20	Cloudy	15:57	67.4	53.1	
20-May-20	Cloudy	16:02	68.6	51.3	
20-May-20	Cloudy	16:07	67.1	48.2	
20-May-20	Cloudy	16:12	62.4	48.2	
27-May-20	Cloudy	15:48	72.6	62.0	66
27-May-20	Cloudy	15:53	69.6	61.1	
27-May-20	Cloudy	15:58	67.1	60.4	
27-May-20	Cloudy	16:03	68.7	60.5	
27-May-20	Cloudy	16:08	68.5	60.7	
27-May-20	Cloudy	16:13	67.2	60.5	

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 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	09:43	8.0	Surface	1.0	0.1	212	24.0	24.0	7.8	7.8	22.9	23.0	130.6	130.0	9.6	8.4	3.9	4.7	3	3	85	87	815607	804259	<0.2	<0.2	1.6	1.7			
						1.0	0.1	213	24.0	7.8	7.8	23.0	23.0	129.4	130.0	9.6	8.4	3.9	4.7	3	3	84	87	<0.2			<0.2	1.6	1.7				
					Middle	4.0	0.1	136	23.2	23.2	8.0	8.0	30.5	30.6	100.3	100.2	7.2	7.2	5.0	5.0	3	3	86	88			<0.2	<0.2	1.7	1.7			
						4.0	0.1	218	23.1	23.1	8.0	8.0	31.1	31.0	95.1	95.2	6.8	6.8	5.3	5.3	2	2	89	90			<0.2	<0.2	1.7	1.7			
					Bottom	7.0	0.2	233	23.1	23.1	8.0	8.0	31.0	31.0	95.3	95.3	6.8	6.8	5.3	5.3	3	3	90	90			<0.2	<0.2	1.9	1.9			
						7.0	0.5	170	24.9	24.9	8.3	8.3	20.8	20.8	152.8	152.8	11.2	11.2	5.9	5.9	3	3	85	85			<0.2	<0.2	1.9	1.9			
C2	Sunny	Moderate	10:41	11.4	Surface	1.0	0.5	179	24.9	24.9	8.3	8.3	20.8	20.8	152.8	152.8	11.2	9.0	5.9	13.5	4	4	85	89	825669	806945	<0.2	<0.2	1.9	2.0			
						1.0	0.3	174	24.1	24.1	8.2	8.2	26.9	26.9	94.6	94.5	6.8	6.8	4.9	4.9	4	4	90	89			<0.2	<0.2	2.0	2.0			
					Middle	5.7	0.3	186	24.1	24.1	8.2	8.2	26.9	26.9	94.4	94.4	6.8	6.8	4.9	4.9	4	4	89	89			<0.2	<0.2	2.0	2.0			
						10.4	0.2	130	23.3	23.3	8.2	8.2	30.8	30.8	79.8	79.9	5.7	5.7	30.2	30.2	4	4	94	94			<0.2	<0.2	2.0	2.0			
					Bottom	10.4	0.2	142	23.3	23.3	8.3	8.2	30.8	30.8	79.9	79.9	5.7	5.7	29.2	29.2	5	5	93	93			<0.2	<0.2	2.0	2.0			
						1.0	0.2	75	24.2	24.2	8.4	8.4	27.1	27.1	113.7	113.7	8.2	7.4	3.9	4.2	3	3	85	90			<0.2	<0.2	1.2	1.2			
C3	Sunny	Moderate	08:30	12.2	Surface	1.0	0.2	76	24.2	24.2	8.4	8.4	27.1	27.1	113.7	113.7	8.2	7.4	3.9	4.2	3	3	86	90	822089	817788	<0.2	<0.2	1.2	1.2			
						1.0	0.2	76	24.2	24.2	8.4	8.4	27.1	27.1	113.7	113.7	8.2	7.4	3.9	4.2	3	3	86	90			<0.2	<0.2	1.2	1.2			
					Middle	6.1	0.2	281	23.6	23.6	8.3	8.3	30.9	30.9	92.5	92.5	6.6	6.6	4.0	4.0	3	3	90	90			<0.2	<0.2	1.2	1.2			
						6.1	0.2	298	23.6	23.6	8.3	8.3	30.9	30.9	92.5	92.5	6.6	6.6	4.0	4.0	3	3	90	90			<0.2	<0.2	1.2	1.2			
					Bottom	11.2	0.1	353	23.3	23.3	8.3	8.3	32.2	32.2	90.8	90.9	6.4	6.5	4.8	4.8	2	2	94	94			<0.2	<0.2	1.1	1.1			
						11.2	0.1	325	23.3	23.3	8.3	8.3	32.2	32.2	91.0	91.0	6.5	6.5	4.8	4.8	3	3	94	94			<0.2	<0.2	1.2	1.2			
IM1	Cloudy	Moderate	10:04	4.6	Surface	1.0	0.1	224	24.2	24.2	7.8	7.8	23.3	23.4	123.0	122.0	9.0	9.0	6.4	9.5	3	3	86	88	817965	807135	<0.2	<0.2	1.8	1.8			
						1.0	0.1	235	24.1	24.1	7.8	7.8	23.5	23.4	120.9	120.9	8.9	9.0	7.1	9.5	4	4	87	88			<0.2	<0.2	1.8	1.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			3	-	-	<0.2	<0.2	1.8	1.8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			3	-	-	<0.2	<0.2	1.8	1.8
					Bottom	3.6	0.1	156	23.6	23.6	7.9	7.9	28.1	28.0	93.9	94.1	6.8	6.8	12.3	12.3	3	3	89	89			<0.2	<0.2	1.8	1.7			
						3.6	0.1	160	23.6	23.6	7.9	7.9	28.0	28.0	94.2	94.2	6.8	6.8	12.1	12.1	3	3	90	90			<0.2	<0.2	1.7	1.7			
IM2	Cloudy	Moderate	10:11	6.8	Surface	1.0	0.2	165	23.7	23.7	7.9	7.8	25.3	25.3	109.5	109.1	8.0	7.4	5.2	8.0	3	3	85	88	818180	806145	<0.2	<0.2	1.9	2.0			
						1.0	0.2	181	23.7	23.7	7.8	7.8	25.3	25.3	108.6	108.6	8.0	7.4	5.4	8.0	3	3	86	88			<0.2	<0.2	1.9	2.0			
					Middle	3.4	0.1	150	23.4	23.4	7.8	7.8	29.0	29.0	94.8	95.0	6.8	6.8	7.4	7.5	3	3	87	88			<0.2	<0.2	1.9	2.0			
						3.4	0.1	163	23.4	23.4	7.8	7.8	29.1	29.0	95.1	95.1	6.9	6.9	7.5	7.5	3	3	88	89			<0.2	<0.2	2.0	2.0			
					Bottom	5.8	0.1	62	23.4	23.4	7.9	7.9	29.6	29.6	97.5	97.8	7.0	7.0	11.5	11.5	4	4	89	89			<0.2	<0.2	2.0	2.0			
						5.8	0.1	66	23.4	23.4	7.9	7.9	29.6	29.6	98.0	98.0	7.0	7.0	11.1	11.1	3	3	91	91			<0.2	<0.2	2.0	2.0			
IM3	Cloudy	Moderate	10:17	7.1	Surface	1.0	0.1	152	25.5	25.5	8.2	8.2	20.5	20.6	134.3	133.4	9.8	8.2	4.3	8.7	2	2	85	87	818761	805603	<0.2	<0.2	2.1	2.1			
						1.0	0.1	161	25.5	25.5	8.2	8.2	20.6	20.6	132.4	132.4	9.7	8.2	4.6	8.7	3	3	84	87			<0.2	<0.2	2.0	2.0			
					Middle	3.6	0.2	138	23.4	23.4	7.9	7.9	29.2	29.2	91.0	91.1	6.6	6.6	9.2	9.2	3	3	87	88			<0.2	<0.2	2.0	2.1			
						3.6	0.2	139	23.4	23.4	7.9	7.9	29.2	29.2	91.0	91.1	6.6	6.6	9.8	9.8	4	4	88	88			<0.2	<0.2	2.0	2.1			
					Bottom	6.1	0.2	103	23.4	23.4	7.9	7.9	29.3	29.3	91.9	92.0	6.6	6.6	12.1	12.1	3	3	90	90			<0.2	<0.2	2.1	2.1			
						6.1	0.2	111	23.4	23.4	7.9	7.9	29.3	29.3	92.0	92.0	6.6	6.6	12.3	12.3	4	4	89	89			<0.2	<0.2	2.0	2.0			
IM4	Cloudy	Moderate	10:25	7.8	Surface	1.0	0.4	195	23.8	23.8	8.0	7.9	25.1	24.9	104.4	104.0	7.7	7.0	5.3	5.5	3	3	86	89	819714	804594	<0.2	<0.2	2.1	2.0			
						1.0	0.4	195	23.7	23.7	7.9	7.9	24.7	24.7	103.6	103.6	7.6	7.0	5.3	5.5	4	4	87	88			<0.2	<0.2	2.0	2.0			
					Middle	3.9	0.3	167	23.5	23.5	7.9	7.9	28.2	28.2	87.6	87.7	6.3	6.3	5.6	5.6	4	4	87	88			<0.2	<0.2	2.1	2.0			
						3.9	0.3	178	23.5	23.5	7.9	7.9	28.2	28.2	87.7	87.7	6.3	6.3	5.6	5.6	5	5	88	88			<0.2	<0.2	2.0	2.0			
					Bottom	6.8	0.1	136	23.5	23.5	8.0	8.0	28.4	28.4	89.3	89.5	6.5	6.5	5.7	5.7	4	4	91	91			<0.2	<0.2	1.8	1.8			
						6.8	0.2	139	23.5	23.5	8.0	8.0	28.4	28.4	89.6	89.6	6.5	6.5	5.7	5.7	5	5	92	92			<0.2	<0.2	1.8	1.8			
IM5	Cloudy	Moderate	10:33	7.3	Surface	1.0	0.4	208	24.2	24.2	8.1	8.1	24.3	24.4	112.5	112.5	8.2	7.4	4.5	5.4	4	4	86	88	820732	804878	<0.2	<0.2	2.2	2.0			
						1.0	0.4	214	24.2	24.2	8.1	8.1	24.4	24.4	112.4	112.4	8.2	7.4	4.6	5.4	5	5	85	88			<0.2	<0.2	2.0	2.0			
					Middle	3.7	0.3	198	23.7	23.7	8.0	8.0	27.3	27.3	91.2	91.2	6.6	6.6	5.8	5.8	6	6	88	88			<0.2	<0.2	2.0	2.0			
						3.7	0.3	215	23.7	23.7	8.0	8.0	27.3	27.3	91.1	91.2	6.6	6.6	5.7	5.7	5	5	87	88			<0.2	<0.2	1.9	1.9			
					Bottom	6.3	0.2	195	23.6	23.6	8.0	8.0	27.5	27.5	91.0	91.1	6.6	6.6	5.8	5.8	6	6	89	89			<0.2	<0.2	2.1	2.1			
						6.3	0.2	207	23.6	23.6	8.0	8.0	27.5	27.5	91.1	91.1	6.6	6.6	5.8	5.8	6	6	91	91			<0.2	<0.2	2.0	2.0			
IM6	Cloudy	Moderate	10:41	6.7	Surface	1.0	0.3	255	24.5	24.5	8.3	8.3	22.1	22.1	126.8	126.5	9.3	8.8	4.8	5.3	4	4	87	88	821073	80580							

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Sunny	Moderate	10:04	7.7	Surface	1.0	0.3	95	24.9	24.9	8.3	8.3	21.9	21.9	129.4	129.3	9.5	9.5	5.6	5.6	5	5	86	86	822071	808818	<0.2	1.7	1.7	1.8			
						1.0	0.3	101	24.9	8.3	8.3	21.9	21.9	129.2	129.2	9.5	9.5	5.5	5.5	5	5	86	86	822071	808818	<0.2	1.7	1.7	1.8				
						3.9	0.3	105	24.7	8.2	8.2	23.9	23.9	115.5	115.5	8.4	8.4	7.7	7.7	5	5	90	90	822071	808818	<0.2	1.7	1.7	1.8				
					Middle	3.9	0.3	105	24.7	8.2	8.2	23.9	23.9	115.4	115.4	8.4	8.4	7.9	7.9	5	5	90	90	822071	808818	<0.2	1.7	1.7	1.8				
						6.7	0.2	50	24.3	8.2	8.2	25.4	25.4	102.1	102.2	7.4	7.4	26.7	26.7	5	5	94	94	822071	808818	<0.2	1.8	1.8	1.8				
						6.7	0.2	50	24.3	8.2	8.2	25.4	25.4	102.2	102.2	7.4	7.4	26.2	26.2	5	5	94	94	822071	808818	<0.2	1.8	1.8	1.8				
IM10	Sunny	Moderate	09:55	8.2	Surface	1.0	0.5	131	25.4	25.4	8.4	8.4	19.5	19.5	158.5	158.4	11.7	11.7	5.5	5.5	4	4	85	85	822373	809798	<0.2	1.9	1.9	1.9			
						1.0	0.5	137	25.4	8.4	8.4	19.5	19.5	158.2	158.2	11.6	11.6	5.5	5.5	3	3	86	86	822373	809798	<0.2	1.9	1.9	1.9				
						4.1	0.5	132	24.8	8.3	8.3	23.3	23.3	118.5	118.4	8.6	8.6	5.3	5.3	4	4	91	91	822373	809798	<0.2	1.9	1.9	1.9				
					Middle	4.1	0.5	137	24.8	8.3	8.3	23.3	23.3	118.3	118.3	8.6	8.6	5.3	5.3	4	4	90	90	822373	809798	<0.2	1.9	1.9	1.9				
						7.2	0.4	139	24.2	8.2	8.2	26.4	26.4	97.5	97.6	7.0	7.0	9.8	9.8	5	5	93	93	822373	809798	<0.2	2.0	2.0	1.9				
						7.2	0.5	150	24.2	8.2	8.2	26.4	26.4	97.6	97.6	7.0	7.0	9.8	9.8	5	5	94	94	822373	809798	<0.2	2.0	2.0	1.9				
IM11	Sunny	Moderate	09:42	8.3	Surface	1.0	0.7	98	25.1	25.1	8.2	8.2	21.3	21.3	126.0	126.0	9.2	9.2	6.2	6.2	4	4	85	85	822055	811481	<0.2	1.7	1.7	1.7			
						1.0	0.7	99	25.1	8.2	8.2	21.3	21.3	125.9	125.9	9.2	9.2	6.2	6.2	5	5	86	86	822055	811481	<0.2	1.6	1.6	1.6				
						4.2	0.4	97	24.3	8.1	8.1	25.9	25.9	98.2	98.2	7.1	7.1	6.2	6.2	5	5	90	90	822055	811481	<0.2	1.6	1.6	1.6				
					Middle	4.2	0.4	101	24.3	8.1	8.1	26.0	26.0	98.2	98.2	7.1	7.1	6.3	6.3	5	5	90	90	822055	811481	<0.2	1.6	1.6	1.6				
						7.3	0.2	79	24.0	8.1	8.1	27.3	27.3	95.8	95.8	6.9	6.9	8.4	8.4	5	5	94	94	822055	811481	<0.2	1.7	1.7	1.7				
						7.3	0.2	82	24.0	8.1	8.1	27.3	27.3	95.8	95.8	6.9	6.9	8.4	8.4	6	6	94	94	822055	811481	<0.2	1.7	1.7	1.7				
IM12	Sunny	Moderate	09:31	8.1	Surface	1.0	0.4	117	25.1	25.1	8.3	8.3	21.4	21.4	135.9	135.9	9.9	9.9	5.7	5.7	5	5	86	86	821473	812038	<0.2	1.5	1.5	1.6			
						1.0	0.5	119	25.1	8.3	8.3	21.4	21.4	135.8	135.8	9.9	9.9	5.7	5.7	4	4	90	90	821473	812038	<0.2	1.5	1.5	1.5				
						4.1	0.2	105	24.6	8.2	8.2	24.4	24.4	111.0	111.0	8.0	8.0	6.0	6.0	5	5	90	90	821473	812038	<0.2	1.6	1.6	1.6				
					Middle	4.1	0.2	113	24.6	8.2	8.2	24.4	24.4	111.0	111.0	8.0	8.0	6.0	6.0	5	5	90	90	821473	812038	<0.2	1.6	1.6	1.6				
						7.1	0.1	103	24.0	8.2	8.2	27.5	27.5	95.2	95.3	6.9	6.9	5.6	5.6	6	6	94	94	821473	812038	<0.2	1.6	1.6	1.6				
						7.1	0.1	110	24.0	8.2	8.2	27.5	27.5	95.2	95.3	6.9	6.9	5.6	5.6	6	6	94	94	821473	812038	<0.2	1.6	1.6	1.6				
SR1A	Sunny	Moderate	09:09	5.5	Surface	1.0	-	-	24.8	24.8	8.4	8.4	23.5	23.5	122.9	122.9	8.9	8.9	5.2	5.2	4	4	-	-	819970	812663	-	-	-	-			
						1.0	-	-	24.8	8.4	8.4	23.5	23.5	122.8	122.8	8.9	8.9	5.0	5.0	3	3	-	-	819970	812663	-	-	-	-				
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-			
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819970	812663	-	-	-	-
						4.5	-	-	24.1	24.1	8.3	8.3	26.1	26.1	99.3	99.2	7.2	7.2	5.6	5.6	5	5	-	-	-	-	819970	812663	-	-	-	-	
						4.5	-	-	24.1	24.1	8.3	8.3	26.1	26.1	99.1	99.2	7.2	7.2	5.6	5.6	5	5	-	-	-	-	819970	812663	-	-	-	-	
SR2	Sunny	Moderate	08:55	4.7	Surface	1.0	0.3	83	24.9	24.9	8.4	8.4	21.9	21.9	136.8	136.8	10.0	10.0	4.7	4.7	3	3	86	86	821444	814185	<0.2	1.4	1.4	1.4			
						1.0	0.3	85	24.9	8.4	8.4	21.9	21.9	136.8	136.8	10.0	10.0	4.7	4.7	3	3	85	85	821444	814185	<0.2	1.5	1.5	1.4				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821444	814185	<0.2	-	-	-
						3.7	0.2	80	24.0	8.3	8.3	27.4	27.4	97.4	97.4	7.0	7.0	5.4	5.4	4	4	90	90	821444	814185	<0.2	1.4	1.4	1.4				
						3.7	0.2	82	24.0	8.3	8.3	27.4	27.4	97.4	97.4	7.0	7.0	5.4	5.4	4	4	90	90	821444	814185	<0.2	1.4	1.4	1.4				
SR3	Sunny	Moderate	10:19	8.9	Surface	1.0	0.1	197	24.8	24.8	8.2	8.2	21.8	21.8	124.0	124.0	9.1	9.1	5.7	5.7	3	3	-	-	822166	807558	-	-	-	-			
						1.0	0.1	206	24.8	8.2	8.2	21.8	21.8	123.9	123.9	9.1	9.1	5.7	5.7	4	4	-	-	822166	807558	-	-	-	-				
						4.5	0.1	182	24.2	8.1	8.1	26.8	26.8	97.7	97.7	7.1	7.1	7.8	7.8	4	4	-	-	822166	807558	-	-	-	-				
					Middle	4.5	0.1	182	24.2	8.1	8.1	26.8	26.8	97.7	97.7	7.1	7.1	7.8	7.8	3	3	-	-	822166	807558	-	-	-	-				
						7.9	0.1	164	24.1	8.2	8.2	27.3	27.3	96.2	96.2	6.9	6.9	9.2	9.2	4	4	-	-	822166	807558	-	-	-	-				
						7.9	0.1	179	24.1	8.2	8.2	27.3	27.3	96.2	96.2	6.9	6.9	9.3	9.3	3	3	-	-	822166	807558	-	-	-	-				
SR4A	Cloudy	Moderate	09:23	8.6	Surface	1.0	0.3	80	24.0	24.0	7.9	7.9	23.8	23.8	113.4	113.3	8.3	8.3	6.7	6.7	5	5	-	-	817172	807799	-	-	-	-			
						1.0	0.3	81	23.9	7.9	7.9	23.8	23.8	113.1	113.1	8.3	8.3	6.9	6.9	4	4	-	-	817172	807799	-	-	-	-				
						4.3	0.3	76	23.6	7.7	7.7	27.8	27.8	93.9	93.9	6.8	6.8	8.4	8.4	4	4	-	-	817172	807799	-	-	-	-				
					Middle	4.3	0.3	77	23.6	7.7	7.7	27.8	27.8	93.9	93.9	6.8	6.8	8.4	8.4	4	4	-	-	817172	807799	-	-	-	-				
						7.6	0.2	68	23.6	7.7	7.7	28.0	28.0	93.7	93.7	6.8	6.8	8.6	8.6	3	3	-	-	817172	807799	-	-	-	-				
						7.6	0.2	68	23.6	7.7	7.7	28.0	28.0	93.7	93.7	6.8	6.8	8.9	8.9	4	4	-	-	817172	807799	-	-	-	-				
SR5A	Cloudy	Calm	09:05	3.5	Surface	1.0	0.0	331	24.7	24.7	7.9	7.9	24.0	24.0	120.0	119.7	8.7	8.7	7.3	7.3	12	12	-	-	816605	810713	-	-	-	-</			

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	13:23	8.6	Surface	1.0	0.2	67	24.7	24.7	8.2	8.2	25.1	25.2	127.4	126.7	9.2	8.0	3.5	5.7	4	4	87	88	88	815608	804241	<0.2	1.6	<0.2	1.6					
						1.0	0.2	72	24.6	24.7	8.2	8.2	25.2	25.2	126.0	126.5	9.1	8.0	3.6	5.7	3	4	86	87				<0.2	1.7	<0.2	1.7					
					Middle	4.3	0.1	3	23.2	23.2	8.1	8.1	30.8	30.8	96.3	96.2	6.9	6.9	5.8	6.9	4	4	87	88				<0.2	1.5	<0.2	1.4					
						4.3	0.1	3	23.2	23.2	8.1	8.1	30.8	30.8	96.0	96.0	6.9	6.9	6.1	6.9	3	4	88	90				<0.2	1.5	<0.2	1.4					
					Bottom	7.6	0.2	37	23.2	23.2	8.3	8.3	31.0	31.0	96.0	96.2	6.9	6.9	7.6	7.7	4	4	91	91				<0.2	1.5	<0.2	1.5					
						7.6	0.2	37	23.2	23.2	8.3	8.3	31.0	31.0	96.4	96.4	6.9	6.9	7.7	7.7	4	4	91	91				<0.2	1.5	<0.2	1.5					
C2	Sunny	Moderate	12:11	10.9	Surface	1.0	0.4	186	26.2	26.2	8.3	8.3	19.6	19.6	176.7	176.6	12.5	10.1	5.4	5.8	4	4	87	88	91	825666	806945	<0.2	1.7	<0.2	1.8					
						1.0	0.4	204	26.2	26.2	8.3	8.3	19.6	19.6	176.5	176.5	12.5	10.1	5.4	5.8	6	5	88	91				<0.2	1.8	<0.2	1.7					
					Middle	5.5	0.2	209	24.2	24.2	8.1	8.1	26.2	26.2	101.4	101.3	7.3	7.3	4.5	4.5	5	4	91	95				<0.2	1.7	<0.2	1.8					
						5.5	0.2	223	24.2	24.2	8.1	8.1	26.2	26.2	101.2	101.2	7.3	7.3	4.5	4.5	5	4	91	95				<0.2	1.7	<0.2	1.8					
					Bottom	9.9	0.1	148	23.4	23.4	8.1	8.1	29.7	29.7	83.6	83.7	6.0	6.0	7.4	7.4	4	4	95	95				<0.2	1.8	<0.2	1.8					
						9.9	0.1	149	23.4	23.4	8.1	8.1	29.7	29.7	83.7	83.7	6.0	6.0	7.4	7.4	4	4	95	95				<0.2	1.8	<0.2	1.8					
C3	Sunny	Moderate	14:11	12.2	Surface	1.0	0.3	277	25.0	25.0	8.3	8.3	24.8	24.8	155.9	155.8	11.2	9.6	4.4	4.7	4	4	87	87	91	822114	817795	<0.2	1.3	<0.2	1.3					
						1.0	0.3	277	25.0	25.0	8.3	8.3	24.8	24.8	155.7	155.7	11.2	9.6	4.4	4.7	4	4	87	91				<0.2	1.3	<0.2	1.3					
					Middle	6.1	0.3	264	24.2	24.2	8.2	8.2	27.3	27.3	110.6	110.6	7.9	7.9	4.1	4.1	4	4	91	90				<0.2	1.2	<0.2	1.3					
						6.1	0.3	273	24.2	24.2	8.2	8.2	27.3	27.3	110.5	110.5	7.9	7.9	4.1	4.1	4	4	90	95				<0.2	1.2	<0.2	1.3					
					Bottom	11.2	0.2	305	23.2	23.2	8.2	8.2	32.1	32.1	92.1	92.2	6.5	6.5	5.6	5.6	4	4	95	94				<0.2	1.3	<0.2	1.2					
						11.2	0.2	306	23.2	23.2	8.2	8.2	32.1	32.1	92.3	92.3	6.5	6.5	5.6	5.6	5	5	94	94				<0.2	1.2	<0.2	1.2					
IM1	Cloudy	Moderate	13:00	5.0	Surface	1.0	0.1	55	25.6	25.6	8.2	8.2	23.0	23.0	117.8	117.5	8.5	8.5	5.6	7.9	2	3	86	87	88	817966	807119	<0.2	1.4	<0.2	1.4					
						1.0	0.1	56	25.5	25.6	8.2	8.2	23.1	23.0	117.1	117.1	8.4	8.5	6.0	7.9	3	3	87	89				<0.2	1.4	<0.2	1.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	4.0	0.1	352	23.6	23.6	8.2	8.2	28.9	29.0	99.2	99.3	7.1	7.1	9.8	10.0	4	3	89	89				<0.2	1.4	<0.2	1.5					
						4.0	0.1	352	23.6	23.6	8.2	8.2	29.0	29.0	99.4	99.4	7.1	7.1	10.0	10.0	3	3	89	89				<0.2	1.5	<0.2	1.5					
IM2	Cloudy	Moderate	12:54	7.1	Surface	1.0	0.1	10	25.2	25.2	8.2	8.2	24.4	24.4	122.4	122.2	8.8	7.8	3.3	8.5	4	3	86	87	89	818179	806157	<0.2	1.7	<0.2	1.7					
						1.0	0.1	10	25.2	25.2	8.2	8.2	24.5	24.4	122.0	122.0	8.7	7.8	3.4	8.5	3	3	87	89				<0.2	1.7	<0.2	1.7					
					Middle	3.6	0.1	341	23.5	23.5	8.1	8.1	29.1	29.1	95.2	95.4	6.9	6.9	10.1	10.8	4	3	89	88				<0.2	1.7	<0.2	1.7					
						3.6	0.1	354	23.5	23.5	8.1	8.1	29.2	29.1	95.5	95.4	6.9	6.9	10.8	10.8	3	3	88	91				<0.2	1.7	<0.2	1.9					
					Bottom	6.1	0.2	341	23.5	23.5	8.1	8.1	29.4	29.4	96.5	96.6	6.9	6.9	11.8	11.7	3	2	91	90				<0.2	1.9	<0.2	1.9					
						6.1	0.2	346	23.5	23.5	8.1	8.1	29.3	29.4	96.6	96.6	6.9	6.9	11.7	11.7	2	2	90	90				<0.2	1.9	<0.2	1.9					
IM3	Cloudy	Moderate	12:46	7.2	Surface	1.0	0.1	0	25.4	25.4	8.1	8.1	23.5	23.5	123.6	123.4	8.9	7.7	3.3	7.4	2	3	86	86	88	818768	805594	<0.2	1.6	<0.2	1.6					
						1.0	0.2	0	25.4	25.4	8.1	8.1	23.5	23.5	123.2	123.2	8.9	7.7	3.3	7.4	3	3	86	88				<0.2	1.5	<0.2	1.6					
					Middle	3.6	0.1	41	23.5	23.5	8.1	8.1	28.1	28.1	90.5	90.5	6.5	6.5	6.0	6.5	3	2	88	87				<0.2	1.5	<0.2	1.6					
						3.6	0.1	43	23.5	23.5	8.1	8.1	28.1	28.1	90.5	90.5	6.5	6.5	6.5	6.5	2	2	87	90				<0.2	1.6	<0.2	1.7					
					Bottom	6.2	0.2	8	23.3	23.3	8.1	8.1	29.9	29.9	91.3	91.4	6.6	6.6	12.9	12.8	2	3	90	91				<0.2	1.7	<0.2	1.6					
						6.2	0.2	8	23.3	23.3	8.1	8.1	29.9	29.9	91.5	91.5	6.6	6.6	12.8	12.8	3	3	91	91				<0.2	1.6	<0.2	1.6					
IM4	Cloudy	Moderate	12:36	8.1	Surface	1.0	0.2	223	23.9	23.9	8.1	8.1	26.5	26.5	96.7	96.7	7.0	6.8	4.7	5.6	4	5	86	86	88	819727	804594	<0.2	2.1	<0.2	2.0					
						1.0	0.2	226	23.9	23.9	8.2	8.2	26.5	26.5	96.7	96.7	7.0	6.8	4.7	5.6	5	5	86	88				<0.2	2.0	<0.2	2.0					
					Middle	4.1	0.1	241	23.5	23.5	8.2	8.2	28.2	28.3	89.9	90.0	6.5	6.5	5.8	5.8	4	4	87	88				<0.2	2.2	<0.2	2.2					
						4.1	0.1	256	23.4	23.4	8.2	8.2	28.3	28.3	90.0	90.0	6.5	6.5	5.8	5.8	5	5	88	90				<0.2	2.2	<0.2	2.2					
					Bottom	7.1	0.1	10	23.3	23.3	8.2	8.2	29.4	29.4	86.8	87.1	6.3	6.3	6.3	6.3	5	4	90	91				<0.2	2.2	<0.2	2.1					
						7.1	0.1	10	23.3	23.3	8.2	8.2	29.4	29.4	87.1	87.0	6.3	6.3	6.3	6.3	4	4	91	91				<0.2	2.1	<0.2	2.1					
IM5	Cloudy	Moderate	12:30	7.4	Surface	1.0	0.1	269	25.3	25.3	8.1	8.1	20.9	20.9	137.8	137.7	10.1	9.1	3.5	4.4	4	3	87	86	89	820749	804874	<0.2	2.1	<0.2	2.1					
						1.0	0.1	275	25.2	25.3	8.1	8.1	20.9	20.9	137.6	137.7	10.1	9.1	3.5	4.4	4	3	86	89				<0.2	2.2	<0.2	2.1					
					Middle	3.7	0.1	266	24.0	24.0	7.9	7.9	24.3	24.3	112.4	111.0	8.2	8.0	4.7	4.7	3	3	89	88				<0.2	2.1	<0.2	2.1					
						3.7	0.1	274	23.9	24.0	7.9	7.9	24.3	24.3	109.6	111.0	8.0	8.0	4.7	4.7	3	3	88	90				<0.2	2.1	<0.2	2.1					
					Bottom	6.4	0.0	336	23.9	23.9	7.9	7.9	26.5	26.5	103.1	103.4	7.5	7.5	4.9	4.9	3	3	90	91				<0.2	2.2	<0.2	2.2					
						6.4	0.0	359	23.9	23.9	7.9	7.9	26.5	26.5	103.7	103.4	7.5	7.5	4.8	4.8	3	3	91	91				<0.2	2.2	<0.2	2.2					
IM6	Cloudy	Moderate	12:20	7.2	Surface	1.0	0.3	279	25.2	25.2	8.1	8.1																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 May 20 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	Average	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
						Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	12:47	7.1	Surface	1.0	0.1	248	25.2	25.2	8.3	8.3	21.5	21.5	151.5	151.4	11.1	11.0	5.3	4	88	91	822112	808812	<0.2	1.5	1.6	1.6			
						1.0	0.1	260	25.2	25.2	8.3	8.3	21.5	21.5	151.3	151.3	11.0	11.0	5.3	3	87	91			<0.2	1.7	1.7	1.7			
						3.6	0.1	256	24.8	24.8	8.3	8.3	22.9	22.9	130.8	130.8	8.5	8.5	5.9	3	91	92			<0.2	1.6	1.6	1.6			
					Middle	3.6	0.1	269	24.8	24.8	8.3	8.3	22.9	22.9	130.7	130.7	8.5	8.5	5.9	4	92	95					<0.2	1.6	1.6	1.6	
						6.1	0.1	230	24.3	24.3	8.2	8.2	25.3	25.3	108.2	108.2	7.8	7.8	5.9	3	95	95					<0.2	1.6	1.6	1.6	
						6.1	0.1	234	24.3	24.3	8.2	8.2	25.3	25.3	108.2	108.2	7.8	7.8	5.9	3	95	95					<0.2	1.6	1.6	1.6	
					Bottom	1.0	0.1	71	26.1	26.1	8.3	8.3	20.3	20.3	163.2	163.1	11.8	11.8	4.9	3	87	87					<0.2	1.7	1.7	1.7	
						1.0	0.1	75	26.1	26.1	8.3	8.3	20.3	20.3	163.0	163.0	11.8	11.8	4.9	4	87	92					<0.2	1.6	1.6	1.6	
						4.2	0.1	37	24.7	24.7	8.2	8.2	23.4	23.4	121.5	121.5	8.8	8.8	6.3	4	92	91					<0.2	1.7	1.7	1.7	
IM10	Sunny	Moderate	12:56	8.3	Surface	4.2	0.1	39	24.7	24.7	8.2	8.2	23.4	23.4	121.5	121.5	8.9	6.2	4	95	95					<0.2	1.6	1.6	1.6		
						4.2	0.1	39	24.7	24.7	8.2	8.2	23.4	23.4	121.5	121.5	8.9	6.2	4	95	95					<0.2	1.7	1.7	1.7		
						7.3	0.2	322	23.9	23.9	8.1	8.1	27.6	27.7	84.1	84.1	6.1	6.1	6.6	5	95	95					<0.2	1.6	1.6	1.6	
Middle					7.3	0.2	322	23.9	23.9	8.1	8.1	27.6	27.7	84.1	84.1	6.1	6.1	6.6	5	95	95					<0.2	1.7	1.7	1.7		
					7.3	0.2	333	23.9	23.9	8.1	8.1	27.7	27.7	84.1	84.1	6.1	6.1	6.6	5	95	95					<0.2	1.7	1.7	1.7		
					7.3	0.2	333	23.9	23.9	8.1	8.1	27.7	27.7	84.1	84.1	6.1	6.1	6.6	5	95	95					<0.2	1.6	1.6	1.6		
Bottom					1.0	0.1	30	25.5	25.5	8.4	8.4	21.4	21.4	167.3	167.3	12.1	12.1	5.5	5	87	87					<0.2	1.5	1.5	1.5		
					1.0	0.2	30	25.5	25.5	8.4	8.4	21.4	21.4	167.2	167.2	12.1	12.1	5.5	4	87	91					<0.2	1.5	1.5	1.5		
					3.9	0.1	317	24.7	24.7	8.2	8.2	23.9	23.9	111.8	111.8	8.1	8.1	6.5	5	91	91					<0.2	1.4	1.4	1.4		
IM11	Sunny	Moderate	13:07	7.7	Surface	3.9	0.1	342	24.7	24.7	8.2	8.2	23.9	23.9	111.7	111.7	8.1	6.4	4	95	95					<0.2	1.5	1.5	1.5		
						3.9	0.1	342	24.7	24.7	8.2	8.2	23.9	23.9	111.7	111.7	8.1	6.4	4	95	95					<0.2	1.5	1.5	1.5		
						6.7	0.2	236	23.8	23.8	8.2	8.2	28.2	28.2	90.5	90.6	6.5	6.5	5.7	4	95	95					<0.2	1.5	1.5	1.5	
Middle					6.7	0.2	236	23.8	23.8	8.2	8.2	28.2	28.2	90.6	90.6	6.5	6.5	5.7	5	95	95					<0.2	1.5	1.5	1.5		
					6.7	0.2	256	23.8	23.8	8.2	8.2	28.2	28.2	90.6	90.6	6.5	6.5	5.7	5	95	95					<0.2	1.5	1.5	1.5		
					6.7	0.2	256	23.8	23.8	8.2	8.2	28.2	28.2	90.6	90.6	6.5	6.5	5.7	5	95	95					<0.2	1.5	1.5	1.5		
Bottom					1.0	0.2	340	25.2	25.2	8.3	8.3	22.0	22.0	139.0	138.9	10.1	10.1	5.9	5	87	88					<0.2	1.5	1.5	1.5		
					1.0	0.2	353	25.2	25.2	8.3	8.3	22.0	22.0	138.7	138.7	10.1	10.1	5.9	5	88	91					<0.2	1.6	1.6	1.6		
					5.0	0.2	307	24.0	24.0	8.2	8.2	27.3	27.3	94.1	94.1	6.8	6.8	5.4	6	91	92					<0.2	1.6	1.6	1.6		
IM12	Sunny	Moderate	13:14	9.9	Surface	5.0	0.2	309	24.0	24.0	8.2	8.2	27.3	27.3	94.1	94.1	6.8	5.4	6	95	95					<0.2	1.5	1.5	1.5		
						5.0	0.2	309	24.0	24.0	8.2	8.2	27.3	27.3	94.1	94.1	6.8	5.4	6	95	95					<0.2	1.6	1.6	1.6		
						8.9	0.2	315	23.5	23.5	8.2	8.2	30.0	30.0	85.9	85.9	6.2	6.2	7.8	6	95	96					<0.2	1.6	1.6	1.6	
Middle					8.9	0.2	315	23.5	23.5	8.2	8.2	30.0	30.0	85.9	85.9	6.2	6.2	7.8	6	95	96					<0.2	1.5	1.5	1.5		
					8.9	0.2	333	23.5	23.5	8.2	8.2	30.0	30.0	85.9	85.9	6.2	6.2	7.8	6	95	96					<0.2	1.6	1.6	1.6		
					8.9	0.2	333	23.5	23.5	8.2	8.2	30.0	30.0	85.9	85.9	6.2	6.2	7.8	6	95	96					<0.2	1.6	1.6	1.6		
Bottom					1.0	0.2	340	25.2	25.2	8.3	8.3	22.0	22.0	139.0	138.9	10.1	10.1	5.9	5	87	88					<0.2	1.5	1.5	1.5		
					1.0	0.2	353	25.2	25.2	8.3	8.3	22.0	22.0	138.7	138.7	10.1	10.1	5.9	5	88	91					<0.2	1.6	1.6	1.6		
					5.0	0.2	307	24.0	24.0	8.2	8.2	27.3	27.3	94.1	94.1	6.8	6.8	5.4	6	91	92					<0.2	1.6	1.6	1.6		
SR1A	Sunny	Moderate	13:36	5.4	Surface	1.0	-	-	25.6	25.6	8.4	8.4	22.1	22.1	162.8	162.7	11.7	5.5	5	87	87					-	-	-	-		
						1.0	-	-	25.6	25.6	8.4	8.4	22.1	22.1	162.6	162.7	11.7	5.5	5	87	87					-	-	-	-		
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle					2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.4	-	-	24.8	24.8	8.3	8.3	24.2	24.2	125.9	125.9	9.1	9.1	6.6	5	95	95					-	-	-	-		
					4.4	-	-	24.8	24.8	8.3	8.3	24.2	24.2	125.9	125.9	9.1	9.1	6.6	4	95	95					-	-	-	-		
Bottom					1.0	0.1	229	25.9	25.9	8.3	8.3	21.8	21.8	168.2	168.2	12.1	12.1	5.5	3	88	87					<0.2	1.7	1.7	1.7		
					1.0	0.1	241	25.9	25.9	8.3	8.3	21.8	21.8	168.1	168.1	12.1	12.1	5.5	4	87	91					<0.2	1.6	1.6	1.6		
					3.8	0.3	336	24.6	24.6	8.2	8.2	25.2	25.2	113.9	113.9	8.2	8.2	7.2	3	91	91					<0.2	1.7	1.7	1.7		
SR2	Sunny	Moderate	13:49	4.8	Surface	3.8	0.3	356	24.5	24.5	8.2	8.2	25.2	25.2	113.8	113.9	8.2	7.2	4	91	91					<0.2	1.6	1.6	1.6		
						3.8	0.3	356	24.5	24.5	8.2	8.2	25.2	25.2	113.8	113.9	8.2	7.2	4	91	91					<0.2	1.6	1.6	1.6		
						1.0	0.2	285	25.3	25.3	8.3	8.3	20.9	20.9	148.6	148.5	10.9	10.9	5.4	4	87	87					-	-	-	-	
Middle					1.0	0.2	309	25.3	25.3	8.3	8.3	21.5	21.2	148.4	148.5	10.8	10.8	5.4	3	87	87					-	-	-	-		
					4.2	0.0	8	24.2	24.2	8.1	8.1	26.0	26.0	97.1	97.1	7.0	7.0	6.7	3	91	91					-	-	-	-		
					4.2	0.0	8	24.2	24.2	8.1	8.1	26.0	26.0	97.1	97.1	7.0	7.0	6.7	2	91	91					-	-	-	-		
Bottom					7.4	0.1	323	24.1	24.1	8.1	8.1	26.8	26.8	93.8	93.8	6.8	6.8	8.1	2	91	91					-	-	-	-		
					7.4	0.1	348	24.1	24.1	8.1	8.1	26.8	26.8	93.7	93.8	6.8	6.8	8.1	3	91	91					-	-	-	-		
					7.4	0.1	348	24.1	24.1	8.1	8.1	26.8	26.8	93.7	93.8	6.8	6.8	8.1	3	91	91					-	-	-	-		
SR3	Sunny	Moderate	12:32	8.4	Surface	1.0	0.2	285	25.3	25.3	8.3	8.3	20.9	20.9	148.6	148.5	10.9	5.4	4	87	87					-	-	-	-		
						1.0	0.2	309	25.3	25.3	8.3	8.3	21.5	21.2	148.4	148.5	10.8	10.8	5.4	3	87	87					-	-	-	-	
						4.2	0.0	8	24.2	24.2	8.1	8.1	26.0	26.0	97.1	97.1	7.0	7.0	6.7	3	91	91					-	-	-	-	
Middle					4.2	0.0	8	24.2	24.2	8.1	8.1	26.0	26.0	97.1	97.1	7.0	7.0	6.7													

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

Water Quality Monitoring Results on **05 May 20** during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Rough	11:19	8.0	Surface	1.0	0.4	241	25.7	25.7	8.0	8.0	23.9	24.0	91.5	91.5	6.5	6.4	6.2	7.9	7	8	85	88	815623	804251	88	<0.2	1.5	1.4				
						1.0	0.4	260	25.6	25.6	8.1	8.1	24.1	24.1	91.5	91.5	6.5	6.4	5.9	7.9	8	8	85	88				<0.2	1.4					
						4.0	0.4	203	24.5	24.5	8.1	8.1	27.6	27.6	87.3	87.3	6.2	6.4	4.3	7.9	8	8	88	88				<0.2	1.5					
					4.0	0.4	203	24.5	24.5	8.1	8.1	27.6	27.6	87.3	87.3	6.2	6.4	4.3	7.9	9	9	88	88	<0.2				1.5						
					7.0	0.3	214	24.0	24.0	8.1	8.1	29.3	29.3	82.9	82.9	5.9	6.4	13.3	7.9	8	8	91	91	<0.2				1.2						
					7.0	0.3	218	24.0	24.0	8.1	8.1	29.3	29.3	83.0	83.0	5.9	6.4	13.3	7.9	9	9	90	90	<0.2				1.3						
C2	Cloudy	Moderate	12:34	11.6	Surface	1.0	0.8	153	26.7	26.7	8.1	8.1	21.3	21.4	93.5	93.5	6.7	6.6	4.5	7.6	9	9	86	86	825696	806932	88	<0.2	1.2	1.2				
						1.0	0.8	165	26.7	26.7	8.1	8.1	21.5	21.4	93.5	93.5	6.6	6.6	4.9	7.6	9	9	86	86				<0.2	1.2					
						5.8	0.9	150	25.4	25.4	8.2	8.2	23.4	23.4	90.4	90.4	6.5	6.6	7.2	7.6	7	7	88	88				<0.2	1.2					
					5.8	0.9	153	25.4	25.4	8.2	8.2	23.4	23.4	90.4	90.4	6.5	6.6	7.3	7.6	8	8	88	88	<0.2				1.2						
					10.6	0.3	142	24.6	24.6	8.2	8.2	27.1	27.1	90.0	90.0	6.4	6.4	11.0	7.6	6	6	90	90	<0.2				1.2						
					10.6	0.3	153	24.6	24.6	8.2	8.2	27.1	27.1	90.2	90.2	6.4	6.4	10.8	7.6	7	7	90	90	<0.2				1.2						
C3	Cloudy	Moderate	10:25	12.4	Surface	1.0	0.6	109	25.4	25.4	8.2	8.2	25.4	25.5	95.2	95.2	6.8	6.8	2.5	3.0	4	4	86	87	822087	817792	89	<0.2	1.2	1.2				
						1.0	0.6	119	25.3	25.3	8.2	8.2	25.6	25.5	95.2	95.2	6.8	6.8	2.4	3.0	4	4	87	87				<0.2	1.2					
						6.2	0.3	101	24.6	24.6	8.2	8.2	27.9	28.0	94.4	94.3	6.7	6.8	2.0	3.0	5	5	88	88				<0.2	1.2					
					6.2	0.3	109	24.6	24.6	8.2	8.2	28.2	28.0	94.1	94.3	6.7	6.8	2.3	3.0	4	4	89	89	<0.2				1.2						
					11.4	0.3	59	24.1	24.1	8.2	8.2	29.8	29.8	92.8	92.9	6.6	6.6	4.5	3.0	6	6	90	90	<0.2				1.2						
					11.4	0.4	59	24.1	24.1	8.2	8.2	29.8	29.8	92.9	92.9	6.6	6.6	4.5	3.0	5	5	91	91	<0.2				1.2						
IM1	Fine	Moderate	11:42	4.5	Surface	1.0	0.1	204	25.8	25.8	8.1	8.1	23.5	23.5	91.9	91.9	6.6	6.6	5.7	7.2	9	9	86	86	817945	807118	87	<0.2	1.3	1.3				
						1.0	0.2	219	25.8	25.8	8.1	8.1	23.5	23.5	91.9	91.9	6.6	6.6	5.7	7.2	8	8	86	86				<0.2	1.2					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	<0.2
					3.5	0.1	226	25.8	25.8	8.2	8.2	23.7	23.6	91.1	91.1	6.5	6.5	8.6	7.2	8	8	89	89	<0.2				1.4						
					3.5	0.1	242	25.8	25.8	8.2	8.2	23.6	23.6	91.1	91.1	6.5	6.5	8.8	7.2	9	9	88	88	<0.2				1.4						
					1.0	0.2	96	26.0	26.0	8.0	8.0	23.5	23.5	93.3	93.3	6.6	6.5	3.5	6.8	7	7	84	85	<0.2				1.3						
IM2	Fine	Moderate	11:51	6.6	Surface	1.0	0.2	98	26.0	26.0	8.0	8.0	23.5	23.5	93.3	93.3	6.6	6.5	3.5	6.8	7	7	85	87	818147	806185	87	<0.2	1.2	1.2				
						3.3	0.1	118	25.4	25.4	8.1	8.1	23.8	23.8	89.4	89.4	6.4	6.5	6.6	6.8	5	5	87	87				<0.2	1.2					
						3.3	0.1	122	25.4	25.4	8.1	8.1	23.8	23.8	89.4	89.4	6.4	6.5	6.6	6.8	5	5	87	87				<0.2	1.1					
					5.6	0.1	157	25.0	25.0	8.1	8.1	25.2	25.2	86.2	86.3	6.2	6.2	10.3	6.8	4	4	90	90	<0.2				1.2						
					5.6	0.2	157	25.0	25.0	8.1	8.1	25.1	25.2	86.3	86.3	6.2	6.2	10.1	6.8	5	5	89	89	<0.2				1.2						
					1.0	0.3	161	25.7	25.7	8.0	8.0	23.8	23.8	89.3	89.3	6.4	6.4	10.8	6.8	12	12	84	84	<0.2				1.3						
IM3	Fine	Moderate	11:59	6.9	Surface	1.0	0.3	164	25.7	25.7	8.0	8.0	23.8	23.8	89.3	89.3	6.4	6.4	10.7	12.3	14	15	84	84	818791	805587	87	<0.2	1.4	1.3				
						3.5	0.3	151	25.3	25.3	8.2	8.2	24.1	24.2	88.0	88.0	6.3	6.3	12.6	12.3	15	15	87	87				<0.2	1.3					
						3.5	0.3	152	25.2	25.2	8.2	8.2	24.2	24.2	88.0	88.0	6.3	6.3	12.6	12.3	15	15	87	87				<0.2	1.2					
					5.9	0.2	90	24.5	24.5	8.2	8.2	27.0	27.0	83.4	83.4	6.0	6.0	13.4	12.3	17	17	89	89	<0.2				1.2						
					5.9	0.2	98	24.6	24.6	8.2	8.2	27.0	27.0	83.4	83.4	6.0	6.0	13.8	12.3	16	16	89	89	<0.2				1.3						
					1.0	0.8	202	25.5	25.5	8.1	8.1	23.7	23.7	88.4	88.4	6.3	6.3	7.5	12.0	10	10	84	84	<0.2				2.0						
IM4	Fine	Rough	12:11	7.8	Surface	1.0	0.9	218	25.4	25.4	8.1	8.1	23.8	23.7	88.0	88.2	6.3	6.3	7.6	12.0	11	11	84	84	819708	804588	86	<0.2	2.2	1.7				
						3.9	0.8	195	25.0	25.0	8.2	8.2	24.6	24.6	85.6	85.6	6.2	6.3	12.2	12.0	11	11	86	86				<0.2	1.6					
						3.9	0.8	203	25.0	25.0	8.2	8.2	24.7	24.6	85.6	85.6	6.2	6.3	12.2	12.0	12	12	86	86				<0.2	1.6					
					6.8	0.6	171	24.7	24.7	8.2	8.2	25.9	25.9	83.7	83.7	6.0	6.0	16.1	12.0	12	12	88	88	<0.2				1.3						
					6.8	0.6	179	24.7	24.7	8.2	8.2	25.9	25.9	83.8	83.8	6.0	6.0	16.2	12.0	13	13	89	89	<0.2				1.3						
					1.0	0.7	215	25.8	25.8	8.0	8.0	23.6	23.6	90.8	90.8	6.5	6.5	5.6	8.5	7	7	84	84	<0.2				1.4						
IM5	Fine	Moderate	12:22	7.2	Surface	1.0	0.7	216	25.8	25.8	8.0	8.0	23.6	23.6	90.7	90.8	6.5	6.4	5.7	8.5	8	9	84	84	820718	804845	87	<0.2	1.6	1.5				
						3.6	0.6	211	25.4	25.4	8.0	8.0	23.9	23.9	87.9	87.9	6.3	6.3	8.8	8.5	9	9	87	87				<0.2	1.6					
						3.6	0.6	228	25.4	25.4	8.1	8.1	23.9	23.9	87.9	87.9	6.3	6.3	8.9	8.5	8	8	87	87				<0.2	1.5					
					6.2	0.6	207	25.3	25.3	8.2	8.2	24.0	24.0	87.4	87.4	6.3	6.3	10.9	8.5	10	10	89	89	<0.2				1.4						
					6.2	0.6	214	25.3	25.3	8.2	8.2	24.0	24.0	87.4	87.4	6.3	6.3	11.0	8.5	11	11	89	89	<0.2				1.2						
					1.0	0.6	235	26.0	26.0	8.1	8.1	23.5	23.5	91.8	91.8	6.5	6.4	5.4	9.4	8	9	85	84	<0.2				1.3						
IM6	Fine	Moderate	12:32	6.8	Surface	1.0	0.6	236	26.0	26.0	8.1	8.1	23.5	23.5	91.9	91.9	6.5	6.4	5.4	9.4	9	9	84	84	821083	805846	87	<0.2	1.4	1.4				
						3.4	0.5	234	25.5	25.5	8.1	8.1	23.9	23.9	88.5	88.5	6.3	6.3	9.7	9.4	9	9	87	87				<0.2	1.5					
						3.4	0.6	252	25.5	25.5	8.2	8.1	23.9	23.9	88.5	88.5	6.3	6.3	9.5	9.4	8	8	87	87				<0.2	1.4					
					5.8	0.5	234	25.5	25.5	8.2	8.2	24.0	24.0	88.4	88.4	6.3	6.3	13.3	9.4	10	10	89	89	<0.2				1.3						
					5.8	0.5	238	25.5	25.5	8.2	8.2	24.0	24.0	88.4	88.4	6.3	6.3	13.2	9.4	10	10	89	89	<0.2				1.2						

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

Water Quality Monitoring Results on **05 May 20** during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:01	7.2	Surface	1.0	0.3	90	25.7	25.7	8.2	8.2	23.3	23.3	90.5	90.5	6.5	6.5	5.2	3	86	88	<0.2	1.2	88	822096	808831	<0.2	1.2			
						1.0	0.3	97	25.7	8.2	8.2	23.3	23.3	90.5	90.5	6.5	6.5	5.2	4	87	88	<0.2	1.1									
						3.6	0.3	101	25.4	25.4	8.2	8.2	24.0	24.0	88.8	88.7	6.4	6.4	10.1	5	88	87	<0.2	1.2								
					3.6	0.3	104	25.3	25.3	8.2	8.2	24.1	24.1	88.6	88.6	6.4	6.4	10.7	6	87	89	<0.2	1.1									
					6.2	0.3	114	25.2	25.2	8.2	8.2	24.5	24.5	88.6	88.7	6.4	6.4	12.9	6	82	90	<0.2	1.3									
					6.2	0.3	118	25.2	25.2	8.2	8.2	24.5	24.5	88.8	88.8	6.4	6.4	12.8	7	92	87	<0.2	1.2									
IM10	Cloudy	Moderate	11:51	7.8	Surface	1.0	0.8	99	25.6	25.6	8.1	8.1	23.3	23.4	90.0	89.9	6.5	6.5	5.4	4	86	88	<0.2	1.2	88	822383	809778	<0.2	1.2			
						1.0	0.8	103	25.6	25.6	8.1	8.1	23.5	23.4	89.8	89.8	6.4	6.4	5.4	5	87	88	<0.2	1.2								
						3.9	0.8	99	25.3	25.3	8.1	8.1	24.4	24.4	88.6	88.7	6.3	6.3	8.3	4	87	88	<0.2	1.2								
					3.9	0.8	104	25.3	25.3	8.1	8.1	24.4	24.4	88.7	88.7	6.4	6.4	8.4	5	88	89	<0.2	1.2									
					6.8	0.5	97	25.2	25.2	8.2	8.2	24.5	24.5	89.7	89.9	6.4	6.5	10.2	4	90	87	<0.2	1.2									
					6.8	0.5	105	25.2	25.2	8.2	8.2	24.5	24.5	90.1	90.1	6.5	6.5	10.1	5	91	87	<0.2	1.2									
IM11	Cloudy	Moderate	11:38	7.6	Surface	1.0	0.7	95	25.7	25.7	8.1	8.1	23.3	23.4	91.1	91.1	6.5	6.5	6.4	4	87	88	<0.2	1.1	89	822053	811481	<0.2	1.3			
						1.0	0.7	103	25.7	25.7	8.1	8.1	24.3	24.3	90.1	90.1	6.5	6.5	7.0	4	87	88	<0.2	1.3								
						3.8	0.7	101	25.2	25.2	8.2	8.2	24.3	24.3	90.4	90.3	6.5	6.5	9.7	6	88	89	<0.2	1.2								
					3.8	0.8	110	25.2	25.2	8.2	8.2	24.3	24.3	90.4	90.4	6.5	6.5	9.6	5	89	90	<0.2	1.1									
					6.6	0.4	101	25.2	25.2	8.2	8.2	24.4	24.4	92.7	92.7	6.6	6.6	9.2	6	90	89	<0.2	1.3									
					6.6	0.5	103	25.2	25.2	8.2	8.2	24.4	24.4	93.0	92.9	6.7	6.7	10.0	7	91	89	<0.2	1.2									
IM12	Cloudy	Moderate	11:29	8.8	Surface	1.0	0.7	101	25.7	25.7	8.1	8.1	23.3	23.3	91.0	91.0	6.5	6.5	5.7	5	86	88	<0.2	1.2	88	821459	812026	<0.2	1.2			
						1.0	0.7	108	25.7	25.7	8.1	8.1	23.3	23.3	91.0	91.0	6.5	6.5	5.7	5	87	88	<0.2	1.2								
						4.4	0.7	86	25.4	25.4	8.1	8.1	23.9	23.9	89.6	89.6	6.4	6.5	11.9	6	88	89	<0.2	1.2								
					4.4	0.7	89	25.3	25.3	8.1	8.1	23.9	23.9	89.5	89.5	6.4	6.4	11.8	5	86	87	<0.2	1.2									
					7.8	0.4	91	25.2	25.2	8.1	8.1	24.3	24.3	89.4	89.4	6.4	6.4	8.5	6	90	89	<0.2	1.2									
					7.8	0.4	94	25.2	25.2	8.1	8.1	24.4	24.3	89.5	89.5	6.4	6.4	8.0	6	91	89	<0.2	1.2									
SR1A	Cloudy	Moderate	11:09	5.1	Surface	1.0	-	-	26.0	26.0	8.2	8.2	24.0	24.0	94.4	94.4	6.7	6.7	2.6	6	-	-	-	-	88	819980	812662	-	-			
						1.0	-	-	26.0	26.0	8.2	8.2	24.0	24.0	94.4	94.4	6.7	6.7	2.6	6	-	-	-	-								
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					4.1	-	-	25.6	25.6	8.2	8.2	24.6	24.6	93.7	93.8	6.7	6.7	4.0	6	-	-	-	-									
					4.1	-	-	25.6	25.6	8.2	8.2	24.6	24.6	93.9	93.9	6.7	6.7	4.1	4	-	-	-	-									
SR2	Cloudy	Moderate	10:55	4.9	Surface	1.0	0.6	83	25.6	25.6	8.2	8.2	23.1	23.1	93.8	93.9	6.7	6.7	5.1	4	88	87	<0.2	1.2	89	821453	814150	<0.2	1.2			
						1.0	0.6	84	25.6	25.6	8.2	8.2	23.1	23.1	93.9	93.9	6.7	6.7	5.0	4	87	88	<0.2	1.2								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.9	0.3	80	25.1	25.1	8.2	8.2	25.5	25.5	94.3	94.4	6.7	6.7	3.9	4	90	89	<0.2	1.2									
					3.9	0.3	83	25.1	25.1	8.2	8.2	25.5	25.5	94.4	94.4	6.7	6.7	4.0	5	91	89	<0.2	1.4									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR3	Cloudy	Moderate	12:12	8.5	Surface	1.0	0.2	233	25.7	25.7	8.1	8.1	23.2	23.2	90.2	90.2	6.5	6.5	5.6	8	-	-	-	-	88	822152	807581	-	-			
						1.0	0.2	240	25.7	25.7	8.1	8.1	23.2	23.2	90.1	90.1	6.4	6.4	5.7	7	-	-	-	-								
						4.3	0.3	190	25.4	25.4	8.2	8.2	23.9	24.0	88.9	88.9	6.4	6.4	8.9	7	-	-	-	-								
					4.3	0.3	190	25.4	25.4	8.2	8.2	24.0	24.0	88.9	88.9	6.4	6.4	9.4	8	-	-	-	-									
					7.5	0.2	200	25.3	25.3	8.2	8.2	24.6	24.5	89.0	89.1	6.4	6.4	12.9	10	-	-	-	-									
					7.5	0.2	212	25.4	25.4	8.2	8.2	24.5	24.5	89.1	89.1	6.4	6.4	12.9	9	-	-	-	-									
SR4A	Fine	Calm	10:57	8.7	Surface	1.0	0.2	57	25.6	25.6	8.1	8.1	23.4	23.4	91.3	91.3	6.5	6.5	5.7	6	-	-	-	-	88	817195	807812	-	-			
						1.0	0.2	59	25.6	25.6	8.1	8.1	23.4	23.4	91.2	91.2	6.5	6.5	5.7	6	-	-	-	-								
						4.4	0.1	63	25.6	25.6	8.1	8.1	23.4	23.4	90.8	90.8	6.5	6.5	5.9	6	-	-	-	-								
					4.4	0.2	63	25.6	25.6	8.1	8.1	23.4	23.4	90.8	90.8	6.5	6.5	5.9	7	-	-	-	-									
					7.7	0.1	56	25.6	25.6	8.1	8.1	23.6	23.6	89.5	89.5	6.4	6.4	7.5	8	-	-	-	-									
					7.7	0.2	61	25.6	25.6	8.1	8.1	23.6	23.6	89.5	89.5	6.4	6.4	7.5	8	-	-	-	-									
SR5A	Fine	Calm	10:38	3.3	Surface	1.0	0.1	3	26.1	26.1	8.1	8.1	23.7	23.7	92.7	92.7	6.6	6.6	6.8	8	-	-	-	-	88	816605	810709	-	-			
						1.0	0.1	3	26.1	26.1	8.1	8.1	23.7	23.7	92.7	92.7	6.6	6.6	6.9	9	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					2.3	0.0	54	26.1	26.1	8.1	8.1	23.7	23.7	92.3	92.3	6.5	6.5	8.1	9	-	-	-	-									
					2.3	0.0	56	26.1	26.1	8.1	8.1	23.7	23.7	92.3	92.3	6.5	6.5	8.1	8	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR6A	Fine	Calm	10:06	4.2	Surface	1.0	0.0	32	25.7	25.7	8.2	8.2	23.4	23.4	94.8	94.8	6.8	6.8	3.1	5	-	-	-	-	88	817949	814716	-	-			
						1.0	0.0	34	25.7	25.7	8.2	8.2	23.4	23.4	94.7	94.7	6.8	6.8	3.0	6	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.2	0.1	50	25.7	25.7	8.2	8.2	23.6	23.6	93.6	93.6	6.7	6.7	4.1	6	-	-	-	-									
					3.2	0.1	54	25.7	25.7	8.2	8.2	23.6	23.6	93.6	93.6	6.7	6.7	4.2	5	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR7	Cloudy	Moderate	09:48	16.8	Surface	1.0	0.5	91	24.7	24.7	8.1	8.1	28.0	28.0	93.9	93.8	6.7	6.6	2.0	3	-	-	-	-	88	823644	823762	-				

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

Water Quality Monitoring Results on **05 May 20** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	17:10	8.2	Surface	1.0	0.5	27	26.3	26.3	8.0	8.0	23.4	23.4	90.3	90.3	6.4	6.4	5.7	5.7	7	7	85	85	88	815638	804255	<0.2	1.2	<0.2	1.3					
						1.0	0.5	28	26.3	26.3	8.0	8.0	23.4	23.4	90.2	90.2	6.4	6.2	5.7	5.7	7	7	86	86												
					Middle	4.1	0.1	11	24.9	24.9	8.2	8.2	26.5	26.5	84.2	84.2	6.0	6.0	8.1	8.1	9.3	9.3	8	8				88	88	<0.2	1.2	<0.2	1.3			
						4.1	0.1	11	24.8	24.8	8.2	8.2	26.6	26.6	84.2	84.2	6.0	6.0	8.1	8.1	7	7	88	88												
					Bottom	7.2	0.2	30	24.2	24.2	8.2	8.2	28.2	28.2	80.5	80.5	5.7	5.7	14.0	14.0	9	9	90	90				88	88	<0.2	1.2	<0.2	1.3			
						7.2	0.2	32	24.2	24.2	8.2	8.2	28.2	28.2	80.5	80.5	5.7	5.7	14.3	14.3	9	9	90	90				88	88	<0.2	1.2	<0.2	1.3			
C2	Cloudy	Moderate	15:49	11.7	Surface	1.0	0.3	167	26.2	26.2	8.0	8.0	19.6	19.6	89.4	89.4	6.5	6.5	5.0	5.0	7	7	86	86	88	825665	806960	<0.2	1.2	<0.2	1.3					
						1.0	0.3	178	26.2	26.2	8.0	8.0	19.6	19.6	89.3	89.3	6.5	6.4	5.2	5.2	6	6	86	86												
					Middle	5.9	0.3	166	24.9	24.9	8.0	8.0	23.5	23.6	85.1	85.0	6.2	6.2	6.9	6.9	8	8	88	88				<0.2	1.2	<0.2	1.3					
						5.9	0.4	176	24.8	24.8	8.0	8.0	23.6	23.6	84.9	84.9	6.2	6.2	7.0	7.0	8	8	88	88												
					Bottom	10.7	0.2	296	24.7	24.7	8.0	8.0	26.2	26.1	85.2	85.4	6.1	6.1	7.3	7.3	9	9	90	90				88	88	<0.2	1.2	<0.2	1.3			
						10.7	0.2	312	24.7	24.7	8.0	8.0	26.1	26.1	85.6	85.6	6.1	6.1	7.2	7.2	9	9	90	90				88	88	<0.2	1.2	<0.2	1.3			
C3	Cloudy	Moderate	17:43	11.6	Surface	1.0	0.3	270	26.0	26.0	8.2	8.2	24.2	24.2	92.8	92.8	6.6	6.6	3.4	3.4	8	8	88	88	89	822096	817784	<0.2	1.2	<0.2	1.3					
						1.0	0.3	284	26.0	26.0	8.2	8.2	24.2	24.2	92.8	92.8	6.6	6.6	3.4	3.4	8	8	88	88												
					Middle	5.8	0.3	266	25.5	25.5	8.2	8.2	25.1	25.1	92.2	92.2	6.6	6.6	3.2	3.2	8	8	90	90				<0.2	1.2	<0.2	1.3					
						5.8	0.3	272	25.5	25.5	8.2	8.2	25.1	25.1	92.2	92.2	6.6	6.6	3.2	3.2	8	8	89	89												
					Bottom	10.6	0.2	302	24.3	24.3	8.2	8.2	29.3	29.3	89.8	89.9	6.4	6.4	10.3	10.3	7	7	90	90				88	88	<0.2	1.2	<0.2	1.3			
						10.6	0.2	319	24.3	24.3	8.2	8.2	29.3	29.3	89.9	89.9	6.4	6.4	10.4	10.4	7	7	91	91				88	88	<0.2	1.2	<0.2	1.3			
IM1	Fine	Rough	16:44	4.8	Surface	1.0	0.4	352	26.3	26.3	8.2	8.2	23.6	23.6	91.9	91.9	6.5	6.5	10.6	10.6	16	16	87	87	87	817954	807147	<0.2	1.2	<0.2	1.3					
						1.0	0.4	324	26.3	26.3	8.2	8.2	23.6	23.6	91.9	91.9	6.5	6.5	10.8	10.8	17	17	86	86												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.3	343	26.2	26.2	8.2	8.2	23.7	23.7	90.7	90.8	6.4	6.4	12.0	12.0	15	15	88	88				87	87	<0.2	1.2	<0.2	1.3			
						3.8	0.3	316	26.2	26.2	8.2	8.2	23.7	23.7	90.8	90.8	6.4	6.4	11.9	11.9	16	16	88	88				87	87	<0.2	1.2	<0.2	1.3			
IM2	Fine	Rough	16:34	6.5	Surface	1.0	0.5	356	26.2	26.2	8.0	8.0	23.9	23.9	91.5	91.5	6.5	6.5	8.5	8.5	10	10	84	84	87	818166	806149	<0.2	1.2	<0.2	1.3					
						1.0	0.6	328	26.2	26.2	8.1	8.1	23.9	23.9	91.4	91.4	6.5	6.5	8.8	8.8	11	11	84	84												
					Middle	3.3	0.5	348	26.2	26.2	8.1	8.1	24.0	24.0	90.8	90.8	6.4	6.4	11.1	11.1	10	10	87	87				<0.2	1.2	<0.2	1.3					
						3.3	0.5	355	26.2	26.2	8.1	8.1	24.0	24.0	90.7	90.7	6.4	6.4	11.3	11.3	11	11	87	87												
					Bottom	5.5	0.3	337	24.8	24.8	8.2	8.2	26.5	26.5	82.3	82.3	5.9	5.9	14.0	14.0	10	10	89	89				87	87	<0.2	1.2	<0.2	1.3			
						5.5	0.3	358	24.7	24.7	8.2	8.2	26.5	26.5	82.3	82.3	5.9	5.9	14.1	14.1	10	10	89	89				87	87	<0.2	1.2	<0.2	1.3			
IM3	Fine	Rough	16:25	6.7	Surface	1.0	0.4	340	26.1	26.1	8.1	8.1	24.1	24.1	91.2	91.2	6.5	6.5	7.1	7.1	8	8	84	84	87	818776	805613	<0.2	1.4	<0.2	1.5					
						1.0	0.5	358	26.1	26.1	8.1	8.1	24.1	24.1	91.2	91.2	6.5	6.4	7.1	7.1	9	9	84	84												
					Middle	3.4	0.4	354	25.2	25.2	8.2	8.2	25.2	25.3	88.2	88.2	6.3	6.3	6.6	6.6	8	8	87	87				<0.2	1.2	<0.2	1.3					
						3.4	0.5	336	25.1	25.1	8.2	8.2	25.4	25.4	88.1	88.1	6.3	6.3	6.6	6.6	9	9	87	87												
					Bottom	5.7	0.4	333	24.5	24.5	8.2	8.2	27.1	27.1	82.6	82.6	5.9	5.9	11.0	11.0	9	9	89	89				87	87	<0.2	1.2	<0.2	1.3			
						5.7	0.4	359	24.5	24.5	8.2	8.2	27.1	27.1	82.7	82.7	5.9	5.9	10.7	10.7	10	10	89	89				87	87	<0.2	1.2	<0.2	1.3			
IM4	Fine	Rough	16:13	7.5	Surface	1.0	0.7	328	26.2	26.2	8.0	8.0	23.8	23.8	92.9	92.9	6.6	6.6	5.1	5.1	8	8	83	83	87	819720	804622	<0.2	1.6	<0.2	1.7					
						1.0	0.8	337	26.2	26.2	8.0	8.0	23.8	23.8	92.9	92.9	6.6	6.6	5.0	5.0	8	8	84	84												
					Middle	3.8	0.7	319	26.2	26.2	8.1	8.1	23.8	23.8	92.5	92.5	6.5	6.5	5.0	5.0	7	7	87	87				<0.2	1.2	<0.2	1.3					
						3.8	0.8	322	26.2	26.2	8.1	8.1	23.8	23.8	92.4	92.5	6.5	6.5	5.0	5.0	7	7	87	87												
					Bottom	6.5	0.5	313	24.7	24.7	8.2	8.2	26.4	26.4	82.3	82.4	5.9	5.9	12.4	12.4	8	8	89	89				87	87	<0.2	1.2	<0.2	1.3			
						6.5	0.5	318	24.7	24.7	8.2	8.2	26.4	26.4	82.4	82.4	5.9	5.9	12.3	12.3	7	7	89	89				87	87	<0.2	1.2	<0.2	1.3			
IM5	Fine	Rough	16:03	6.8	Surface	1.0	0.5	295	26.6	26.6	8.0	8.0	21.9	21.9	93.2	93.1	6.6	6.6	6.1	6.1	9	9	84	84	86	820749	804888	<0.2	1.6	<0.2	1.7					
						1.0	0.5	321	26.6	26.6	8.1	8.1	22.0	22.0	92.9	92.9	6.6	6.6	6.4	6.4	8	8	84	84												
					Middle	3.4	0.3	292	25.9	25.9	8.2	8.2	22.9	22.9	90.2	90.3	6.4	6.4	9.7	9.7	9	9	86	86				<0.2	1.2	<0.2	1.3					
						3.4	0.4	318	26.0	26.0	8.2	8.2	22.9	22.9	90.3	90.3	6.4	6.4	9.6	9.6	8	8	86	86												
					Bottom	5.8	0.3	309	25.9	25.9	8.2	8.2	23.0	23.0	89.8	89.8	6.4	6.4	11.9	11.9	10	10	88	88				87	87	<0.2	1.2	<0.2	1.3			
						5.8	0.3	315	25.9	25.9	8.2	8.2	23.0	23.0	89.8	89.8	6.4	6.4	10.9	10.9	11	11	89	89				87	87	<0.2	1.2	<0.2	1.3			
IM6	Fine	Moderate	15:55	6.6	Surface	1.0	0.5	259	26.2	26.2	8.1	8.1	22.0	22.0	91.6	91.6	6.5	6.5	6.6	6.6	6	6	84	84	86	821079	805826	<0.2	1.7	<0.2	1.8					
						1.0	0.5	280	26.2	26.2	8.1	8.1	22.0	22.0	91.5	91.5	6.5	6.5	6.9	6.9	7	7	84													





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

Water Quality Monitoring

Water Quality Monitoring Results on 07 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Fine	Moderate	12:49	8.4	Surface	1.0	0.5	218	26.0	8.2	8.2	26.4	26.4	89.8	89.7	6.3	6.1	4.1	6.2	4	5	83	86	815638	804248	<0.2	1.5	1.5	1.5			
						1.0	0.5	221	26.0	8.2	8.2	26.5	26.4	89.6	89.6	6.3	6.1	4.1	6.2	4	5	83	86	<0.2	1.4	1.4	1.4					
					Middle	4.2	0.6	204	24.9	8.2	8.2	27.9	27.9	82.9	83.0	5.9	5.9	5.8	5.9	5.8	6	7	86	89	815638	804248	<0.2	1.5	1.5	1.5		
						4.2	0.6	222	24.9	8.2	8.2	27.9	27.9	83.0	83.0	5.9	5.9	5.6	5.9	5.6	6	7	86	89	<0.2	1.5	1.5	1.5				
					Bottom	7.4	0.5	205	24.9	8.2	8.2	27.9	27.9	83.0	83.5	5.9	5.9	8.9	8.9	8.9	6	6	89	90	815638	804248	<0.2	1.5	1.5	1.5		
						7.4	0.5	216	24.9	8.2	8.2	27.9	27.9	83.5	83.5	5.9	5.9	8.9	8.9	8.9	6	6	89	90	<0.2	1.5	1.5	1.5				
C2	Fine	Moderate	14:10	11.3	Surface	1.0	1.0	165	26.9	7.9	7.9	22.7	22.8	85.8	85.7	5.9	6.0	5.0	6.0	6	7	86	88	825684	806957	<0.2	0.8	0.8	0.8			
						1.0	1.1	171	26.8	7.9	7.9	22.8	24.5	85.6	82.1	5.8	5.9	7.4	7.4	7	7	87	88	<0.2	0.8	0.8	0.8					
					Middle	5.7	0.9	165	25.7	7.9	7.9	24.5	24.5	82.1	82.1	5.8	5.8	8.1	8.1	7	7	88	89	825684	806957	<0.2	0.8	0.8	0.8			
						5.7	1.0	168	25.7	7.9	7.9	24.5	24.8	82.1	81.7	5.8	5.8	6.0	6.0	8	8	89	90	<0.2	0.8	0.8	0.8					
					Bottom	10.3	0.8	159	25.7	7.9	7.9	24.8	24.8	81.7	81.8	5.8	5.8	5.7	5.7	8	8	90	90	825684	806957	<0.2	0.8	0.8	0.8			
						10.3	0.8	161	25.7	7.9	7.9	24.8	24.8	81.8	81.8	5.8	5.8	5.7	5.7	8	8	90	90	<0.2	0.8	0.8	0.8					
C3	Fine	Moderate	11:50	13.2	Surface	1.0	0.6	79	25.6	7.9	7.9	26.9	26.9	85.1	85.0	6.0	6.0	2.4	2.2	9	8	88	89	822110	817786	<0.2	0.8	0.8	0.8			
						1.0	0.6	80	25.6	7.9	7.9	26.9	26.9	84.9	84.6	6.0	6.0	2.2	2.4	9	8	88	89	<0.2	0.8	0.8	0.8					
					Middle	6.6	0.4	102	25.1	7.9	7.9	28.0	28.0	84.6	84.6	6.0	6.0	2.4	2.6	8	7	89	89	822110	817786	<0.2	0.7	0.7	0.7			
						6.6	0.4	110	25.1	7.9	7.9	28.0	28.0	84.6	84.4	6.0	6.0	2.6	2.6	7	6	89	90	<0.2	0.8	0.8	0.8					
					Bottom	12.2	0.3	104	24.7	7.9	7.9	29.5	29.5	84.4	84.4	5.9	5.9	4.6	4.1	6	6	90	90	822110	817786	<0.2	0.8	0.8	0.8			
						12.2	0.3	105	24.7	7.9	7.9	29.5	29.5	84.3	84.3	5.9	5.9	4.1	4.1	6	6	90	90	<0.2	0.8	0.8	0.8					
IM1	Fine	Calm	13:10	3.4	Surface	1.0	0.0	304	25.8	8.2	8.2	26.2	26.2	84.7	84.7	6.0	6.0	8.3	8.5	5	5	84	86	817926	807113	<0.2	1.6	1.5	1.5			
						1.0	0.0	322	25.8	8.2	8.2	26.2	26.2	84.7	84.7	6.0	6.0	8.5	8.5	5	5	84	86	<0.2	1.5	1.5	1.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.4	0.1	225	25.7	8.2	8.2	26.3	26.3	85.1	85.2	6.0	6.0	10.1	10.3	6	6	88	89	817926	807113	<0.2	1.6	1.4	1.4			
						2.4	0.1	238	25.7	8.2	8.2	26.3	26.3	85.3	85.3	6.0	6.0	10.3	10.3	6	6	88	89	<0.2	1.4	1.4	1.4					
IM2	Fine	Moderate	13:18	6.6	Surface	1.0	0.1	171	25.4	8.3	8.3	26.9	27.0	87.8	87.7	6.2	6.1	6.0	6.0	6	8	81	85	818155	806156	<0.2	1.6	1.5	1.5			
						1.0	0.1	175	25.3	8.3	8.3	27.1	27.0	87.5	87.5	6.2	6.0	6.0	6.0	7	7	82	85	<0.2	1.5	1.5	1.5					
					Middle	3.3	0.2	122	25.1	8.3	8.3	27.4	27.4	83.7	83.8	5.9	5.9	8.9	9.0	8	8	85	86	818155	806156	<0.2	1.6	1.6	1.6			
						3.3	0.2	133	25.1	8.3	8.3	27.4	27.4	83.8	83.8	5.9	5.9	9.0	8.9	8	8	86	88	<0.2	1.5	1.5	1.5					
					Bottom	5.6	0.1	113	25.1	8.3	8.3	27.4	27.4	84.8	84.9	6.0	6.0	10.4	10.3	10	10	88	88	818155	806156	<0.2	1.6	1.6	1.6			
						5.6	0.2	117	25.2	8.3	8.3	27.4	27.4	84.9	84.9	6.0	6.0	10.3	10.3	10	10	88	88	<0.2	1.5	1.5	1.5					
IM3	Fine	Moderate	13:24	6.6	Surface	1.0	0.1	154	25.4	8.3	8.3	27.1	27.1	83.7	83.7	5.9	5.9	11.9	12.0	13	13	83	86	818761	805580	<0.2	1.6	1.6	1.6			
						1.0	0.1	156	25.3	8.3	8.3	27.1	27.2	83.6	83.3	5.9	5.9	12.0	13.3	13	12	82	86	<0.2	1.6	1.6	1.6					
					Middle	3.3	0.2	152	25.2	8.3	8.3	27.2	27.2	83.2	83.3	5.9	5.9	13.5	13.3	12	12	86	86	818761	805580	<0.2	1.6	1.8	1.8			
						3.3	0.2	155	25.2	8.3	8.3	27.2	27.2	83.3	83.3	5.9	5.9	13.3	13.3	12	12	86	86	<0.2	1.6	1.6	1.6					
					Bottom	5.6	0.2	145	25.2	8.3	8.3	27.3	27.3	84.0	84.2	5.9	5.9	15.9	15.1	11	11	89	89	818761	805580	<0.2	1.6	1.6	1.6			
						5.6	0.2	148	25.2	8.3	8.3	27.3	27.3	84.3	84.3	5.9	5.9	15.1	15.1	11	11	89	89	<0.2	1.5	1.5	1.5					
IM4	Fine	Rough	13:33	7.5	Surface	1.0	1.0	198	25.7	8.3	8.3	26.4	26.4	85.4	85.4	6.0	6.0	11.4	11.5	7	7	82	82	819725	804623	<0.2	1.6	1.5	1.5			
						1.0	1.0	213	25.6	8.3	8.3	26.4	26.4	85.4	85.4	6.0	6.0	11.5	11.5	7	7	82	82	<0.2	1.5	1.5	1.5					
					Middle	3.8	1.0	196	25.5	8.3	8.3	26.7	26.7	85.1	85.1	6.0	6.0	12.2	12.5	6	6	85	86	819725	804623	<0.2	1.6	1.6	1.6			
						3.8	1.0	204	25.5	8.3	8.3	26.7	26.7	85.1	85.1	6.0	6.0	12.5	12.5	6	6	86	86	<0.2	1.5	1.5	1.5					
					Bottom	6.5	0.8	192	25.5	8.3	8.3	26.7	26.7	85.5	85.6	6.0	6.0	13.0	12.7	5	5	88	88	819725	804623	<0.2	1.6	1.6	1.6			
						6.5	0.8	202	25.5	8.3	8.3	26.7	26.7	85.6	85.6	6.0	6.0	12.7	12.7	5	5	88	88	<0.2	1.4	1.4	1.4					
IM5	Fine	Moderate	13:44	7.0	Surface	1.0	1.1	214	25.9	8.3	8.3	26.4	26.4	86.1	86.1	6.0	6.0	9.7	10.1	7	6	81	81	820752	804869	<0.2	1.6	1.5	1.5			
						1.0	1.1	220	25.9	8.3	8.3	26.5	26.4	86.1	85.4	6.0	6.0	10.1	13.6	6	6	81	84	<0.2	1.5	1.5	1.5					
					Middle	3.5	1.0	212	25.6	8.3	8.3	27.0	27.0	85.4	85.4	6.0	6.0	13.6	13.7	6	6	84	84	820752	804869	<0.2	1.5	1.5	1.5			
						3.5	1.0	213	25.6	8.3	8.3	27.0	27.0	85.4	85.4	6.0	6.0	13.7	13.7	6	6	84	84	<0.2	1.5	1.5	1.5					
					Bottom	6.0	0.8	204	25.6	8.3	8.3	27.1	27.1	85.5	85.6	6.0	6.0	14.2	14.5	6	6	87	88	820752	804869	<0.2	1.6	1.6	1.6			
						6.0	0.9	217	25.6	8.3	8.3	27.1	27.1	85.6	85.6	6.0	6.0	14.5	14.5	6	6	88	88	<0.2	1.5	1.5	1.5					
IM6	Fine	Moderate	13:54	6.8	Surface	1.0	1.0	240	26.0	8.3	8.3	25.3	25.4	84.5	84.4	6.0	5.9	6.8	6.8	6	8	82	85	821077	805839	<0.2	1.3	1.4	1.4			
						1.0	1.0	258	25.9	8.3	8.3	25.4	26.4	84.2	82.7	5.9	5.8	6.8	9.0													

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	13:30	7.1	Surface	1.0	0.3	149	26.4	26.4	7.9	7.9	25.0	25.0	85.9	85.8	6.0	6.0	5.4	7	85	88	88	88	88	822074	808831	<0.2	0.7	0.7			
						1.0	0.4	152	26.4	26.4	7.9	7.9	25.0	25.0	85.6	85.6	6.0	6.0	5.3	7	85	88	88	88				<0.2	0.6				
						3.6	0.4	143	25.6	25.6	7.9	7.9	26.4	26.4	84.6	84.6	6.0	6.0	10.8	7	88	89	89	89				<0.2	0.7				
					3.6	0.4	147	25.6	25.6	7.9	7.9	26.4	26.4	84.6	84.6	6.0	6.0	11.0	7	88	89	89	89	<0.2				0.6					
					6.1	0.2	114	25.5	25.5	7.9	7.9	26.5	26.5	86.0	86.0	6.1	6.1	6.0	6	89	90	90	90	<0.2				0.6					
					6.1	0.2	115	25.5	25.5	7.9	7.9	26.5	26.5	86.2	86.2	6.1	6.1	5.6	6	89	90	90	90	<0.2				0.7					
IM10	Fine	Moderate	13:21	7.5	Surface	1.0	0.8	116	25.8	25.8	7.9	7.9	25.8	25.8	83.9	83.9	5.9	5.9	5.5	8	86	88	88	88	88	822393	809814	<0.2	0.8	0.7			
						1.0	0.8	118	25.8	25.8	7.9	7.9	25.8	25.8	83.9	83.9	5.9	5.9	6.0	8	86	88	88	88				<0.2	0.8				
						3.8	0.7	112	25.6	25.6	7.9	7.9	26.1	26.1	83.9	84.0	5.9	5.9	8.5	7	88	88	88	88				<0.2	0.7				
					3.8	0.7	117	25.6	25.6	7.9	7.9	26.2	26.2	84.1	84.1	5.9	5.9	8.4	7	88	88	88	88	<0.2				0.6					
					6.5	0.6	102	25.6	25.6	7.9	7.9	26.3	26.3	86.3	86.4	6.1	6.1	7.2	6	89	90	90	90	<0.2				0.8					
					6.5	0.6	103	25.6	25.6	7.9	7.9	26.3	26.3	86.5	86.5	6.1	6.1	7.5	6	89	90	90	90	<0.2				0.6					
IM11	Fine	Moderate	13:08	8.6	Surface	1.0	0.9	98	26.8	26.7	7.9	7.9	24.4	24.4	87.4	87.3	6.1	6.1	7.1	7	86	86	87	87	88	822070	811479	<0.2	0.7	0.6			
						1.0	1.0	104	26.7	26.7	7.9	7.9	24.5	24.4	87.1	87.1	6.1	6.1	7.9	7	86	87	87	87				<0.2	0.6				
						4.3	0.9	99	25.9	25.9	7.9	7.9	25.3	25.3	85.1	85.1	6.0	6.0	8.8	7	87	87	87	87				<0.2	0.7				
					4.3	0.9	99	25.9	25.9	7.9	7.9	25.4	25.3	85.1	85.1	6.0	6.0	8.3	6	87	87	87	87	<0.2				0.6					
					7.6	0.7	95	25.9	25.9	7.9	7.9	25.6	25.6	87.2	87.3	6.1	6.1	6.1	6	89	90	90	90	<0.2				0.6					
					7.6	0.7	101	25.9	25.9	7.9	7.9	25.6	25.6	87.4	87.3	6.2	6.2	5.8	6	89	90	90	90	<0.2				0.6					
IM12	Fine	Moderate	12:59	9.4	Surface	1.0	0.9	92	26.3	26.3	7.9	7.9	25.2	25.2	86.0	86.0	6.0	6.0	5.9	8	85	85	88	88	88	821474	812048	<0.2	0.6	0.7			
						1.0	0.9	101	26.3	26.3	7.9	7.9	25.2	25.2	85.9	86.0	6.0	6.0	6.1	8	85	88	88	88				<0.2	0.6				
						4.7	0.7	89	25.9	25.9	7.9	7.9	25.8	25.8	85.2	85.3	6.0	6.0	7.9	8	88	89	89	89				<0.2	0.6				
					4.7	0.8	93	25.9	25.9	7.9	7.9	25.9	25.8	85.3	85.3	6.0	6.0	8.7	9	89	90	90	90	<0.2				0.6					
					8.4	0.6	84	25.8	25.8	7.9	7.9	25.9	25.9	86.1	86.2	6.1	6.1	8.2	9	90	90	90	90	<0.2				0.7					
					8.4	0.6	86	25.8	25.8	7.9	7.9	25.9	25.9	86.2	86.2	6.1	6.1	9.2	9	90	90	90	90	<0.2				0.8					
SR1A	Fine	Calm	12:39	4.8	Surface	1.0	-	-	26.5	26.5	7.9	7.9	25.3	25.3	85.1	85.1	5.9	5.9	2.7	6	-	-	-	-	819972	812658	-	-	-				
						1.0	-	-	26.4	26.4	7.9	7.9	25.3	25.3	85.1	85.1	5.9	5.9	3.0	6	-	-	-	-			-	-	-				
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		
					3.8	-	-	26.1	26.1	7.9	7.9	25.6	25.6	88.4	88.5	6.2	6.2	4.2	4	-	-	-	-	-			-	-	-	-			
					3.8	-	-	26.1	26.1	7.9	7.9	25.6	25.6	88.6	88.6	6.2	6.2	4.3	4	-	-	-	-	-			-	-	-	-	-		
SR2	Fine	Moderate	12:21	5.1	Surface	1.0	0.7	64	25.9	25.9	7.9	7.9	25.1	25.1	85.8	85.8	6.1	6.1	4.2	8	85	86	88	88	87	821449	814154	<0.2	0.8	0.7			
						1.0	0.7	70	25.9	25.9	7.9	7.9	25.1	25.1	85.8	85.8	6.1	6.1	4.1	8	86	88	88	88				<0.2	0.7				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-
					4.1	0.4	48	25.8	25.8	7.9	7.9	25.4	25.4	88.1	88.2	6.2	6.2	2.1	9	88	88	88	88	<0.2				0.6					
					4.1	0.4	50	25.8	25.8	7.9	7.9	25.4	25.4	88.2	88.2	6.2	6.2	2.3	9	88	88	88	88	<0.2				0.6					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-
SR3	Fine	Moderate	13:42	8.9	Surface	1.0	0.3	208	26.6	26.5	7.9	7.9	26.4	26.4	86.6	86.5	6.0	6.0	6.0	6	-	-	-	-	822165	807594	-	-	-				
						1.0	0.4	208	26.5	26.5	7.9	7.9	26.4	26.4	86.4	86.5	6.0	6.0	6.0	7	-	-	-	-			-	-	-				
						4.5	0.5	210	26.7	26.7	7.9	7.9	26.7	26.7	85.4	85.3	6.0	6.0	9.5	8	-	-	-	-			-	-	-	-			
					4.5	0.5	226	25.7	25.7	7.9	7.9	26.7	26.7	85.2	85.3	6.0	6.0	9.1	8	-	-	-	-	-			-	-	-				
					7.9	0.3	210	25.7	25.7	7.9	7.9	26.7	26.7	87.3	87.5	6.1	6.1	8.0	8	-	-	-	-	-			-	-	-				
					7.9	0.4	222	25.7	25.7	7.9	7.9	26.7	26.7	87.6	87.5	6.1	6.1	7.5	7	-	-	-	-	-			-	-	-				
SR4A	Fine	Moderate	12:30	8.2	Surface	1.0	0.2	75	25.6	25.6	8.2	8.2	26.4	26.4	82.5	82.4	5.8	5.8	9.1	6	-	-	-	-	817175	807811	-	-	-				
						1.0	0.2	76	25.6	25.6	8.2	8.2	26.4	26.4	82.3	82.4	5.8	5.8	9.3	6	-	-	-	-			-	-					
						4.1	0.1	50	25.4	25.4	8.2	8.2	26.6	26.6	81.4	81.4	5.7	5.7	10.0	8	-	-	-	-			-	-					
					4.1	0.1	54	25.4	25.4	8.2	8.2	26.6	26.6	81.3	81.3	5.7	5.7	10.0	8	-	-	-	-	-			-						
					7.2	0.1	98	25.4	25.4	8.2	8.2	26.7	26.7	81.2	81.3	5.7	5.7	10.5	10	-	-	-	-	-			-						
					7.2	0.1	105	25.4	25.4	8.2	8.2	26.7	26.7	81.3	81.3	5.7	5.7	10.6	9	-	-	-	-	-			-						
SR5A	Fine	Calm	12:11	4.5	Surface	1.0	0.1	89	25.8	25.8	8.2	8.2	26.2	26.2	83.0	82.9	5.8	5.8	12.3	13	-	-	-	-	816575	810687	-	-	-				
						1.0	0.1	89	25.7	25.7	8.2	8.2	26.3	26.2	82.7	82.7	5.8	5.8	12.4	13	-	-	-	-			-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-				
					3.5	0.1	163	25.5	25.5	8.2	8.2	26.7	26.7	82.2	82.3	5.8	5.8	14.6	10	-	-	-	-	-			-						
					3.5	0.1	163	25.5	25.5	8.2	8.2	26.7	26.7	82.4	82.3	5.8	5.8	14.7	10	-	-	-	-	-			-						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-					
SR6A	Fine	Calm	11:31	4.8	Surface	1.0	0.1	196	26.0	26.0	8.1	8.1	24.9	24.9	82.6	82.6	5.8	5.8	12.5	18	-	-	-	-	817974	814738	-	-	-				
						1.0	0.1	212	26.0	26.0	8.1	8.1	24.9	24.9	82.6	82.6	5.8																

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	18:54	8.0	Surface	1.0	0.6	26	25.7	8.2	8.2	27.0	27.0	84.5	84.4	5.9	5.9	11.9	12	83	86	815623	804260	<0.2	0.9	<0.2	0.9						
						1.0	0.6	26	25.7	8.2	8.2	27.0	27.0	84.3	84.3	5.9	5.9	11.9	12	83	86												
					Middle	4.0	0.6	32	25.4	25.4	8.2	8.2	27.6	27.6	83.1	83.1	5.8	5.8	12.4	13	86	86											
						4.0	0.6	35	25.4	25.4	8.2	8.2	27.6	27.6	83.1	83.1	5.8	5.8	12.3	12	86	86											
					Bottom	7.0	0.5	33	25.3	25.3	8.2	8.2	27.7	27.7	83.3	83.4	5.9	5.9	15.3	14	89	89											
						7.0	0.5	34	25.3	25.3	8.2	8.2	27.7	27.7	83.4	83.4	5.9	5.9	15.4	14	89	89											
C2	Fine	Moderate	17:47	11.3	Surface	1.0	0.5	201	27.5	27.5	7.9	7.9	21.0	21.0	86.8	86.4	6.1	5.4	9	9	87	87	825670	806961	<0.2	0.6	<0.2	0.8					
						1.0	0.5	209	27.5	27.5	7.9	7.9	21.0	21.0	86.0	86.0	6.0	5.1	9	8	87	87											
					Middle	5.7	0.4	191	26.0	26.0	7.9	7.9	23.6	23.6	82.2	82.2	5.8	7.1	8	8	88	88											
						5.7	0.5	207	26.0	26.0	7.9	7.9	23.6	23.6	82.2	82.2	5.8	7.4	8	8	88	88											
					Bottom	10.3	0.2	224	25.7	25.7	8.0	8.0	24.7	24.7	83.3	83.3	5.9	7.4	7	7	90	90											
						10.3	0.2	242	25.7	25.7	8.0	8.0	24.7	24.7	83.3	83.3	5.9	7.6	7	7	91	91											
C3	Fine	Moderate	19:49	12.1	Surface	1.0	0.6	247	25.9	25.9	7.9	7.9	26.1	26.1	84.8	84.8	5.9	3.3	8	8	84	84	822122	817815	<0.2	1.0	<0.2	0.9					
						1.0	0.7	253	25.9	25.9	7.9	7.9	26.1	26.1	84.7	84.7	5.9	3.3	8	8	85	85											
					Middle	6.1	0.6	258	25.1	25.1	8.0	8.0	28.4	28.4	82.8	82.8	5.8	9.5	5	5	88	88											
						6.1	0.6	277	25.1	25.1	8.0	8.0	28.4	28.4	82.9	82.9	5.8	9.6	5	5	89	89											
					Bottom	11.1	0.5	253	25.1	25.1	8.0	8.0	28.4	28.4	82.5	82.5	5.8	8.2	5	5	90	90											
						11.1	0.5	272	25.1	25.1	8.0	8.0	28.4	28.4	82.5	82.5	5.8	8.2	5	5	90	90											
IM1	Fine	Calm	18:30	4.2	Surface	1.0	0.1	17	25.7	25.7	8.3	8.3	26.5	26.5	82.5	82.5	5.8	15.0	12	13	84	84	817950	807123	<0.2	1.1	<0.2	1.1					
						1.0	0.1	17	25.7	25.7	8.3	8.3	26.5	26.5	82.4	82.4	5.8	15.3	13	13	84	84											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.2	0.1	338	25.7	25.7	8.3	8.3	26.5	26.5	82.2	82.3	5.8	18.6	14	14	88	88											
						3.2	0.1	311	25.7	25.7	8.3	8.3	26.5	26.5	82.3	82.3	5.8	18.7	14	14	88	88											
IM2	Fine	Moderate	18:24	6.4	Surface	1.0	0.4	4	25.8	25.8	8.3	8.3	26.3	26.4	83.9	83.9	5.9	13.2	14	14	82	82	818174	806166	<0.2	1.1	<0.2	1.1					
						1.0	0.4	4	25.7	25.8	8.3	8.3	26.4	26.4	83.9	83.9	5.9	13.5	14	14	82	82											
					Middle	3.2	0.3	342	25.6	25.6	8.2	8.2	26.8	26.8	83.7	83.7	5.9	15.4	14	14	85	85											
						3.2	0.4	348	25.6	25.6	8.2	8.2	26.8	26.8	83.7	83.7	5.9	15.8	14	14	85	85											
					Bottom	5.4	0.4	336	25.6	25.6	8.2	8.2	27.0	27.0	83.6	83.7	5.9	16.2	14	14	88	88											
						5.4	0.4	357	25.6	25.6	8.2	8.2	27.0	27.0	83.7	83.7	5.9	16.0	14	14	88	88											
IM3	Fine	Moderate	18:17	6.5	Surface	1.0	0.4	335	26.1	26.1	8.3	8.3	26.2	26.2	85.7	85.6	6.0	10.6	15	15	82	83	818801	805584	<0.2	1.1	<0.2	1.1					
						1.0	0.5	339	26.0	26.0	8.3	8.3	26.2	26.2	85.4	85.4	6.0	10.4	15	15	83	83											
					Middle	3.3	0.5	313	25.8	25.8	8.3	8.3	26.7	26.7	83.9	83.9	5.9	12.4	13	13	86	86											
						3.3	0.5	314	25.8	25.8	8.3	8.3	26.7	26.7	83.9	83.9	5.9	12.3	13	13	86	86											
					Bottom	5.5	0.4	321	25.8	25.8	8.3	8.3	26.8	26.8	84.4	84.5	5.9	15.5	11	11	89	89											
						5.5	0.4	343	25.8	25.8	8.3	8.3	26.8	26.8	84.6	84.6	5.9	15.4	12	12	89	89											
IM4	Fine	Moderate	18:06	7.3	Surface	1.0	0.8	331	25.9	25.9	8.3	8.3	26.6	26.6	84.0	83.9	5.9	15.5	20	19	81	81	819709	804608	<0.2	0.9	<0.2	0.9					
						1.0	0.8	354	25.8	25.8	8.3	8.3	26.7	26.6	83.8	83.8	5.9	15.9	19	19	81	81											
					Middle	3.7	0.7	324	25.7	25.7	8.2	8.2	26.8	26.8	83.1	83.1	5.8	17.8	19	19	84	84											
						3.7	0.7	342	25.7	25.7	8.2	8.2	26.8	26.8	83.1	83.1	5.8	17.9	19	19	84	84											
					Bottom	6.3	0.6	326	25.6	25.6	8.3	8.3	26.9	26.9	83.0	83.0	5.8	17.8	13	13	87	87											
						6.3	0.6	355	25.6	25.6	8.3	8.3	26.9	26.9	83.0	83.0	5.8	17.9	13	13	87	87											
IM5	Fine	Moderate	17:58	6.5	Surface	1.0	0.4	326	26.5	26.5	8.2	8.2	23.4	23.4	87.4	87.4	6.2	12.7	12	12	83	83	820742	804861	<0.2	1.2	<0.2	1.1					
						1.0	0.4	350	26.5	26.5	8.2	8.2	23.5	23.4	87.4	87.4	6.2	13.0	12	12	82	82											
					Middle	3.3	0.5	347	26.4	26.4	8.2	8.2	25.5	25.5	87.2	87.2	6.1	14.2	12	12	85	85											
						3.3	0.5	319	26.4	26.4	8.2	8.2	25.5	25.5	87.2	87.2	6.1	14.4	13	13	86	86											
					Bottom	5.5	0.5	349	26.4	26.4	8.2	8.2	25.7	26.4	87.4	86.2	6.1	15.0	14	14	88	88											
						5.5	0.6	321	26.4	26.4	8.2	8.2	25.7	25.7	87.4	87.4	6.1	15.0	14	14	88	88											
IM6	Fine	Moderate	17:52	6.2	Surface	1.0	0.5	275	26.5	26.5	8.2	8.2	22.4	22.4	87.0	87.0	6.2	11.5	10	10	83	83	821062	805825	<0.2	1.1	<0.2	1.0					
						1.0	0.5	279	26.5	26.5	8.2	8.2	22.4	22.4	86.9	86.9	6.2	11.5	10	10	82	82											
					Middle	3.1	0.4	271	26.4	26.4	8.2	8.2	22.6	22.6	86.3	86.3	6.1	14.3	9	9	85	85											
						3.1	0.4	286	26.4	26.4	8.2	8.2	22.6	22.6	86.3	86.3	6.1	14.2	9	9	85	85											
					Bottom	5.2	0.3	266	26.4	26.4	8.2	8.2	22.6	22.6	86.7	86.8	6.1	16.2	8	8	87	87											
						5.2	0.3	276	26.4	26.4	8.2	8.2	22.6	22.6	86.8	86.8	6.2	16.3	8	8	88	88											
IM7	Fine	Moderate	17:46	7.6	Surface	1.0	0.5	242	26.5	26.5	8.2	8.2	22.4	22.4	86.4	86.3	6.1	14.0	9	9	82	82	821372	806820	<0.2	1.0	<0.2	1.0					
						1.0	0.5	258	26.4	26.4	8.2	8.2	22.5	22.4	86.1	86.1	6.1	13.8	9	9	82	82											
					Middle	3.8	0.5	246	26.4	26.4	8.2	8.2	22.6	22.6	85.8	85.8	6.1	14.9	8	8	85	85											
						3.8	0.5	265	26.4	26.4	8.2	8.2	22.7	22.6	85.8	85.8	6.1	15.0	8	8	85	85											
					Bottom	6.6	0.4	247	26.4	26.4	8.2	8.2	22.7	22.7	86.1	86.2	6.1	16.5	8	8	88	88											
						6.6	0.5	265	26.4	26.4	8.2	8.2	22.7	22.7	86.2	86.2	6.1	16.2	8	8	88	88											
IM8	Fine	Moderate	18:16	7.0	Surface	1.0	0.3	234	27.0	27.0	7.9	7.9	21.8	21.8	88.7	88.6	6.3	3.2	11	11	86	86	821815	808128	<0.2	0.8	<0.2	0.8					
						1.0	0.3																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
IM9	Fine	Moderate	18:23	6.2	Surface	1.0	0.3	260	27.0	26.9	7.9	7.9	21.9	21.9	88.3	88.3	6.2	6.2	4.1	4.5	10	87	88	88	822096	808808	<0.2	0.7	0.7	0.8							
						1.0	0.3	272	26.9	7.9	7.9	21.9	21.9	88.3	88.3	6.2	6.2	4.5	4.5	10	86	86	86	86	86	86	86	86	86	86	86	86					
						3.1	0.4	263	26.7	26.7	7.9	7.9	23.0	23.0	87.2	87.2	6.1	6.1	5.9	6.0	9	87	87	87	87	87	87	87	87	87	87	87	87				
					Middle	3.1	0.4	284	26.7	26.7	7.9	7.9	23.0	23.0	87.1	87.1	6.1	6.1	6.0	6.0	9	88	88	88	88	88	88	88	88	88	88	88	88	88			
						5.2	0.3	258	26.4	26.4	7.9	7.9	23.0	23.0	88.5	88.5	6.3	6.3	3.5	3.5	8	89	89	89	89	89	89	89	89	89	89	89	89	89			
						5.2	0.3	258	26.4	26.4	8.0	8.0	23.0	23.0	88.6	88.6	6.3	6.3	3.1	3.1	8	89	89	89	89	89	89	89	89	89	89	89	89	89			
					IM10	Fine	Moderate	18:31	6.4	Surface	1.0	0.6	319	26.8	26.8	7.9	7.9	23.1	23.1	87.3	87.3	6.1	6.1	4.6	4.9	6	85	85	85	822397	809780	<0.2	0.8	0.8	0.8		
											1.0	0.6	322	26.8	26.8	7.9	7.9	23.1	23.1	87.3	87.3	6.1	6.1	4.9	4.9	6	86	86	86	86	86	86	86	86	86	86	86
											3.2	0.6	320	26.8	26.8	7.9	7.9	23.7	23.7	86.9	86.9	6.1	6.1	8.0	8.0	7	89	89	89	89	89	89	89	89	89	89	89
Middle	3.2	0.6	324	26.8						26.8	7.9	7.9	23.7	23.7	86.8	86.8	6.1	6.1	9.0	9.0	7	89	89	89	89	89	89	89	89	89	89	89	89	89			
	5.4	0.5	313	26.8						26.8	7.9	7.9	23.7	23.7	88.2	88.2	6.2	6.2	3.5	3.5	5	90	90	90	90	90	90	90	90	90	90	90	90				
	5.4	0.5	327	26.8						26.8	7.9	7.9	23.7	23.7	88.2	88.2	6.2	6.2	3.9	3.9	5	89	89	89	89	89	89	89	89	89	89	89	89				
IM11	Fine	Moderate	18:43	7.5						Surface	1.0	0.8	325	26.7	26.7	7.9	7.9	23.7	23.7	86.2	86.2	6.1	6.1	8.3	7	85	85	85	822046	811461	<0.2	0.7	0.7	0.8			
											1.0	0.8	346	26.7	26.7	7.9	7.9	23.7	23.7	86.1	86.1	6.0	6.0	9.5	9.5	7	85	85	85	85	85	85	85	85	85	85	
											3.8	0.7	329	26.5	26.4	7.9	7.9	24.8	24.8	85.8	85.8	6.0	6.0	9.8	9.8	8	88	88	88	88	88	88	88	88	88	88	
					Middle	3.8	0.7	351	26.4	26.4	7.9	7.9	24.8	24.8	86.1	86.1	6.0	6.0	9.5	9.5	8	88	88	88	88	88	88	88	88	88	88	88	88				
						6.5	0.5	330	26.4	26.4	7.9	7.9	24.9	24.9	87.8	87.8	6.2	6.2	4.5	4.5	8	90	90	90	90	90	90	90	90	90	90						
						6.5	0.5	304	26.4	26.4	8.0	8.0	24.9	24.9	87.9	87.9	6.2	6.2	4.3	4.3	9	90	90	90	90	90	90	90	90	90	90						
					IM12	Fine	Moderate	18:51	8.8	Surface	1.0	0.6	287	26.9	26.9	7.9	7.9	23.4	23.4	85.9	85.9	6.0	6.0	5.4	8	85	85	85	821456	812056	<0.2	0.8	0.8	0.8			
											1.0	0.7	314	26.9	26.9	7.9	7.9	23.4	23.4	85.8	85.8	6.0	6.0	5.1	5.1	8	85	85	85	85	85	85	85	85			
											4.4	0.7	282	26.2	26.2	7.9	7.9	25.3	25.3	84.0	84.1	5.9	5.9	9.4	9.4	8	87	87	87	87	87	87	87	87			
Middle	4.4	0.7	288	26.2						26.2	7.9	7.9	25.3	25.3	84.1	84.1	5.9	5.9	9.5	9.5	8	88	88	88	88	88	88	88	88	88	88						
	7.8	0.6	282	26.2						26.2	7.9	7.9	25.5	25.5	84.4	84.4	5.9	5.9	8.7	8.7	7	89	89	89	89	89	89	89	89	89							
	7.8	0.6	294	26.2						26.2	7.9	7.9	25.5	25.5	84.4	84.4	5.9	5.9	8.3	8.3	7	89	89	89	89	89	89	89	89								
SR1A	Fine	Moderate	19:10	5.1						Surface	1.0	-	-	27.0	26.9	7.9	7.9	23.4	23.5	88.0	88.2	6.2	6.2	5.4	7	-	-	-	819982	812656	-	-	-	-			
											1.0	-	-	26.9	26.9	8.0	8.0	23.5	23.5	88.0	88.0	6.2	6.2	5.4	5.4	7	-	-	-	-	-	-	-				
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						4.1	-	-	26.6	26.6	8.0	8.0	25.6	25.5	89.4	89.6	6.2	6.2	6.5	6.5	8	-	-	-	-	-	-	-									
						4.1	-	-	26.6	26.6	8.0	8.0	25.5	25.5	89.7	89.7	6.2	6.2	6.5	6.5	8	-	-	-	-	-	-	-									
					SR2	Fine	Moderate	19:23	3.8	Surface	1.0	0.1	41	26.2	26.2	8.0	8.0	25.4	25.4	85.4	85.4	6.0	6.0	8.3	7	84	84	84	821453	814156	<0.2	0.8	0.8				
											1.0	0.1	43	26.2	26.2	8.0	8.0	25.4	25.4	85.3	85.3	6.0	6.0	8.4	8.4	7	85	85	85	85	85	85					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Middle	2.8	0.1	321	26.2						26.2	8.0	8.0	25.4	25.4	85.6	85.6	6.0	6.0	5.6	5.6	8	87	87	87	87	87	87	87	87								
	2.8	0.1	333	26.2						26.2	8.0	8.0	25.4	25.4	85.6	85.6	6.0	6.0	5.5	5.5	8	88	88	88	88	88	88	88	88								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR3	Fine	Moderate	18:08	7.9						Surface	1.0	0.3	198	27.1	27.1	7.9	7.9	21.6	21.6	87.5	87.4	6.2	6.1	4.1	10	-	-	-	822140	807547	-	-	-				
											1.0	0.3	213	27.1	27.1	7.9	7.9	21.6	21.6	87.3	87.3	6.2	6.1	4.0	4.0	10	-	-	-	-	-						
											4.0	0.2	247	26.3	26.3	7.9	7.9	23.1	23.1	84.8	84.9	6.0	6.0	8.7	8.7	11	-	-	-	-	-						
					Middle	4.0	0.2	260	26.3	26.3	7.9	7.9	23.1	23.1	85.0	85.0	6.0	6.0	8.9	8.9	11	-	-	-	-	-											
						6.9	0.2	261	26.2	26.2	7.8	7.8	23.3	23.3	86.0	86.0	6.1	6.1	5.9	5.9	12	-	-	-	-	-											
						6.9	0.2	280	26.2	26.2	7.8	7.8	23.3	23.3	86.0	86.0	6.1	6.1	5.6	5.6	12	-	-	-	-	-											
					SR4A	Fine	Moderate	19:12	8.4	Surface	1.0	0.1	93	26.3	26.3	8.3	8.3	25.9	25.9	82.8	82.8	5.8	5.8	13.4	14	-	-	-	817193	807814	-	-	-				
											1.0	0.1	98	26.3	26.3	8.3	8.3	25.9	25.9	82.8	82.8	5.8	5.8	13.2	13.2	15	-	-	-	-							
											4.2	0.1	72	26.3	26.3	8.3	8.3	25.9	25.9	82.8	82.8	5.8	5.8	13.9	13.9	17	-	-	-	-							
Middle	4.2	0.1	74	26.3						26.3	8.3	8.3	25.9	25.9	82.8	82.8	5.8	5.8	14.0	14.0	17	-	-	-	-												
	7.4	0.1	66	26.4						26.4	8.3	8.3	25.9	25.9	83.5	83.6	5.8	5.8	16.2	16.2	17	-	-	-	-												
	7.4	0.1	70	26.4						26.4	8.3	8.3	25.9	25.9	83.6	83.6	5.8	5.8	16.0	16.0	18	-	-	-	-												
SR5A	Fine	Calm	19:28	3.2						Surface	1.0	0.1	286	26.6	26.6	8.3	8.3	25.4	25.4	83.4	83.4	5.8	5.8	14.0	15	-	-	-	816592	810697	-	-	-				
											1.0	0.1	308	26.6	26.6	8.3	8.3	25.4	25.4	83.4	83.4	5.8	5.8	14.1	14.1	15	-	-	-	-							
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	2.2	0.1	284	26.6	26.6	8.3	8.3	25.4	25.4	83.8	83.9	5.8	5.8																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	13:36	8.5	Surface	1.0	0.7	221	25.6	25.6	8.2	8.2	27.2	27.3	90.3	90.0	6.3	6.3	9.9	7	85	88	815631	804225	<0.2	1.1	1.2	1.2					
						1.0	0.8	240	25.5	25.5	8.2	8.2	27.4	27.3	89.6	89.6	6.3	6.3	10.4	7	86	87	815631	804225	<0.2	1.0	1.2	1.2					
					Middle	4.3	0.5	208	25.4	25.4	8.2	8.2	28.0	28.0	86.3	86.3	6.0	6.0	13.2	9	88	89	815631	804225	<0.2	1.1	1.2	1.2					
						4.3	0.6	219	25.4	25.4	8.2	8.2	28.0	28.0	86.3	86.3	6.0	6.0	13.1	9	88	89	815631	804225	<0.2	1.2	1.2	1.2					
						7.5	0.4	214	25.4	25.4	8.1	8.1	28.2	28.2	87.2	87.3	6.1	6.1	14.3	9	90	91	815631	804225	<0.2	1.7	1.2	1.2					
						7.5	0.4	233	25.4	25.4	8.1	8.1	28.2	28.2	87.3	87.3	6.1	6.1	14.8	9	91	91	815631	804225	<0.2	1.3	1.2	1.2					
C2	Sunny	Moderate	12:34	11.5	Surface	1.0	0.3	161	26.4	26.4	8.0	8.0	25.4	25.4	85.2	85.2	6.0	6.0	7.9	12	85	88	825664	806941	<0.2	1.4	1.3	1.3					
						1.0	0.3	176	26.4	26.4	8.0	8.0	25.4	25.4	85.1	85.1	6.0	6.0	7.8	11	85	87	825664	806941	<0.2	1.3	1.3	1.3					
					Middle	5.8	0.4	171	25.6	25.6	8.0	8.0	27.1	27.1	80.3	80.3	5.6	5.6	7.3	12	87	87	825664	806941	<0.2	1.3	1.3	1.3					
						5.8	0.4	171	25.6	25.6	8.0	8.0	27.1	27.1	80.3	80.3	5.6	5.6	7.3	12	87	87	825664	806941	<0.2	1.3	1.3	1.3					
						10.5	0.3	168	25.5	25.5	8.0	8.0	27.6	27.6	79.7	79.7	5.6	5.6	10.9	13	91	91	825664	806941	<0.2	1.3	1.3	1.3					
						10.5	0.3	170	25.5	25.5	8.0	8.0	27.6	27.6	79.7	79.7	5.6	5.6	11.0	12	90	90	825664	806941	<0.2	1.3	1.3	1.3					
C3	Fine	Moderate	14:13	10.8	Surface	1.0	0.5	105	26.2	26.2	8.1	8.1	26.2	26.2	88.8	88.8	6.2	6.2	9.2	14	84	86	822129	817824	<0.2	1.2	1.2	1.2					
						1.0	0.5	112	26.2	26.2	8.1	8.1	26.2	26.2	88.8	88.8	6.2	6.2	9.1	15	84	85	822129	817824	<0.2	1.1	1.2	1.2					
					Middle	5.4	0.4	109	26.2	26.2	8.1	8.1	26.3	26.3	88.5	88.5	6.2	6.2	7.8	14	85	85	822129	817824	<0.2	1.2	1.2	1.2					
						5.4	0.4	112	26.2	26.2	8.1	8.1	26.3	26.3	88.5	88.5	6.2	6.2	7.8	14	85	85	822129	817824	<0.2	1.1	1.2	1.2					
						9.8	0.3	67	26.0	26.0	8.1	8.1	26.8	26.8	86.5	86.5	6.0	6.0	8.0	16	88	88	822129	817824	<0.2	1.2	1.2	1.2					
						9.8	0.3	71	26.0	26.0	8.1	8.1	26.8	26.8	86.4	86.4	6.0	6.0	8.0	15	88	88	822129	817824	<0.2	1.1	1.2	1.2					
IM1	Cloudy	Moderate	13:16	5.3	Surface	1.0	0.1	211	26.6	26.6	8.2	8.2	25.7	25.7	92.2	92.1	6.4	6.4	8.4	8	88	89	817954	807153	<0.2	1.4	1.7	1.7					
						1.0	0.1	231	26.5	26.5	8.2	8.2	25.8	25.8	92.0	92.0	6.4	6.4	8.6	8	87	87	817954	807153	<0.2	1.3	1.7	1.7					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.2	190	26.5	26.5	8.2	8.2	25.9	25.9	92.0	92.0	6.4	6.4	9.1	6	90	90	817954	807153	<0.2	2.1	1.7	1.7					
						4.3	0.2	190	26.5	26.5	8.2	8.2	25.9	25.9	92.1	92.1	6.4	6.4	8.9	7	91	91	817954	807153	<0.2	2.1	1.7	1.7					
IM2	Cloudy	Moderate	13:10	7.4	Surface	1.0	0.3	186	26.2	26.2	8.1	8.1	26.0	26.0	87.7	87.6	6.1	6.1	6.5	7	85	88	818140	806148	<0.2	2.0	2.0	2.0					
						1.0	0.3	188	26.1	26.1	8.1	8.1	26.0	26.0	87.4	87.4	6.1	6.1	6.4	8	87	87	818140	806148	<0.2	1.9	2.0	2.0					
					Middle	3.7	0.3	166	25.7	25.7	8.1	8.1	26.5	26.5	85.0	84.9	6.0	6.0	9.5	8	88	88	818140	806148	<0.2	2.0	2.0	2.0					
						3.7	0.3	169	25.7	25.7	8.1	8.1	26.5	26.5	84.8	84.8	6.0	6.0	9.7	7	87	87	818140	806148	<0.2	1.9	2.0	2.0					
						6.4	0.3	150	25.6	25.6	8.1	8.1	26.8	26.8	84.3	84.4	5.9	5.9	10.5	9	90	90	818140	806148	<0.2	2.1	2.0	2.0					
						6.4	0.3	151	25.6	25.6	8.1	8.1	26.8	26.8	84.5	84.5	5.9	5.9	10.6	8	91	91	818140	806148	<0.2	2.0	2.0	2.0					
IM3	Cloudy	Moderate	13:03	7.6	Surface	1.0	0.4	145	26.1	26.1	8.1	8.1	25.9	25.9	87.5	87.5	6.1	6.1	9.1	15	86	88	818762	805610	<0.2	2.2	2.1	2.1					
						1.0	0.5	159	26.1	26.1	8.1	8.1	25.9	25.9	87.4	87.4	6.1	6.1	9.1	15	85	87	818762	805610	<0.2	2.2	2.1	2.1					
					Middle	3.8	0.3	140	25.8	25.8	8.2	8.2	26.4	26.4	86.3	86.2	6.1	6.1	9.6	12	87	87	818762	805610	<0.2	2.2	2.1	2.1					
						3.8	0.4	144	25.8	25.8	8.2	8.2	26.5	26.4	86.1	86.0	6.0	6.0	9.6	11	88	88	818762	805610	<0.2	2.0	2.1	2.1					
						6.6	0.3	117	25.5	25.5	8.1	8.1	27.2	27.2	85.5	85.6	6.0	6.0	12.2	12	90	90	818762	805610	<0.2	2.1	2.1	2.1					
						6.6	0.3	119	25.5	25.5	8.1	8.1	27.2	27.2	85.7	85.7	6.0	6.0	11.8	11	91	91	818762	805610	<0.2	2.0	2.1	2.1					
IM4	Cloudy	Moderate	12:55	8.6	Surface	1.0	0.7	192	26.4	26.4	8.1	8.1	25.4	25.5	87.5	87.2	6.1	6.1	9.5	9	86	89	819743	804624	<0.2	1.6	1.8	1.8					
						1.0	0.7	192	26.3	26.3	8.1	8.1	25.5	25.5	86.9	86.9	6.1	6.1	9.9	10	87	87	819743	804624	<0.2	1.7	1.8	1.8					
					Middle	4.3	0.5	171	25.5	25.5	8.3	8.3	27.3	27.3	84.8	84.7	6.0	6.0	7.7	10	88	88	819743	804624	<0.2	1.6	1.8	1.8					
						4.3	0.5	181	25.5	25.5	8.3	8.3	27.3	27.3	84.6	84.6	5.9	5.9	7.6	10	89	89	819743	804624	<0.2	1.9	1.8	1.8					
						7.6	0.3	153	25.3	25.4	8.3	8.3	27.8	27.8	84.6	84.7	5.9	5.9	13.5	10	91	91	819743	804624	<0.2	1.8	1.8	1.8					
						7.6	0.3	155	25.4	25.4	8.3	8.3	27.8	27.8	84.7	84.7	5.9	5.9	13.4	11	90	90	819743	804624	<0.2	1.9	1.8	1.8					
IM5	Cloudy	Moderate	12:47	7.1	Surface	1.0	0.5	209	26.2	26.2	8.1	8.1	25.9	25.9	88.6	88.5	6.2	6.2	7.3	10	85	88	820750	804889	<0.2	2.1	2.2	2.2					
						1.0	0.5	220	26.1	26.1	8.2	8.2	26.0	26.0	88.4	88.4	6.2	6.2	7.3	9	86	86	820750	804889	<0.2	2.1	2.2	2.2					
					Middle	3.6	0.4	184	25.6	25.6	8.2	8.2	27.2	27.2	85.0	84.9	6.0	6.0	7.4	10	87	87	820750	804889	<0.2	2.1	2.2	2.2					
						3.6	0.4	192	25.5	25.5	8.2	8.2	27.2	27.2	84.7	84.7	5.9	5.9	7.4	10	88	88	820750	804889	<0.2	2.1	2.2	2.2					
						6.1	0.4	184	25.4	25.4	8.2	8.2	27.6	27.6	84.1	84.2	5.9	5.9	8.6	11	89	89	820750	804889	<0.2	2.2	2.2	2.2					
						6.1	0.4	201	25.4	25.4	8.2	8.2	27.6	27.6	84.2	84.2	5.9	5.9	8.6	10	90	90	820750	804889	<0.2	2.3	2.2	2.2					
IM6	Cloudy	Moderate	12:40	8.0	Surface	1.0	0.4	253	26.2	26.2	7.9	7.9	25.7	25.7	88.9	88.9	6.2	6.2	9.3	11	86	88	821056	805847	<0.2	1.9	2.1	2.					

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Sunny	Moderate	13:04	7.6	Surface	1.0	0.3	116	26.4	26.4	8.0	8.0	25.4	25.4	85.9	85.9	6.0	6.0	6.0	8	8	82	85	85	822073	808828	<0.2	1.3	1.2	1.2			
						1.0	0.3	125	26.4	26.4	8.0	8.0	25.4	25.4	85.9	85.9	6.0	6.0	6.0	9	9	83	85	84			<0.2	1.1	1.1	1.1			
					Middle	3.8	0.4	127	26.3	26.3	8.0	8.0	25.5	25.5	85.6	85.7	6.0	6.0	6.0	6.8	6.8	9	9	84	85	85			<0.2	1.2	1.2	1.2	
						3.8	0.4	137	26.3	26.3	8.0	8.0	25.5	25.5	85.7	85.7	6.0	6.0	6.0	6.8	6.8	9	9	85	85	87			<0.2	1.3	1.3	1.3	
					Bottom	6.6	0.3	113	25.9	25.9	8.0	8.0	26.4	26.4	81.4	81.5	81.5	81.5	5.7	5.7	12.3	9	9	87	87	87			<0.2	1.2	1.2	1.2	
						6.6	0.3	120	25.9	25.9	8.0	8.0	26.4	26.4	81.5	81.5	81.5	81.5	5.7	5.7	12.6	9	9	87	87	87			<0.2	1.2	1.2	1.2	
IM10	Sunny	Moderate	13:11	8.4	Surface	1.0	0.8	98	26.8	26.8	8.1	8.1	25.1	25.1	91.2	91.2	6.3	6.3	5.5	9	9	84	85	85	822376	809781	<0.2	1.2	1.2	1.2			
						1.0	0.8	100	26.8	26.8	8.1	8.1	25.2	25.1	91.2	91.2	6.3	6.3	5.5	8	8	84	85	84			<0.2	1.3	1.3	1.3			
					Middle	4.2	0.9	97	26.7	26.7	8.0	8.0	25.4	25.4	90.1	90.0	6.3	6.3	6.1	10	10	85	85	85	85	85			<0.2	1.2	1.2	1.2	
						4.2	0.9	100	26.6	26.6	8.0	8.0	25.4	25.4	89.8	89.8	6.3	6.3	6.4	10	10	85	85	85	85	85			<0.2	1.2	1.2	1.2	
					Bottom	7.4	0.6	83	25.8	25.8	8.0	8.0	26.9	26.9	83.0	83.1	5.8	5.8	15.2	10	10	87	87	87	87	87			<0.2	1.2	1.2	1.2	
						7.4	0.7	83	25.7	25.7	8.0	8.0	26.9	26.9	83.1	83.1	5.8	5.8	15.1	11	11	87	87	87	87	87			<0.2	1.2	1.2	1.2	
IM11	Sunny	Moderate	13:19	8.9	Surface	1.0	1.0	109	27.1	27.1	8.0	8.0	24.6	24.6	92.2	92.2	6.4	6.4	5.1	8	8	82	85	85	822054	811460	<0.2	1.2	1.2	1.2			
						1.0	1.1	113	27.1	27.1	8.0	8.0	24.6	24.6	92.2	92.2	6.4	6.4	5.0	9	9	83	85	83			<0.2	1.3	1.3	1.3			
					Middle	4.5	0.9	110	26.2	26.2	8.0	8.0	25.8	25.8	86.4	86.3	6.0	6.0	10.3	10	10	84	85	84	85	85			<0.2	1.3	1.3	1.3	
						4.5	0.9	120	26.2	26.2	8.0	8.0	25.8	25.8	86.2	86.3	6.0	6.0	10.8	9	9	84	85	84	85	85			<0.2	1.2	1.2	1.2	
					Bottom	7.9	0.6	102	25.9	25.9	8.0	8.0	26.5	26.5	83.5	83.5	5.8	5.8	13.2	11	11	87	87	87	87	87			<0.2	1.4	1.4	1.4	
						7.9	0.7	111	25.9	25.9	8.0	8.0	26.5	26.5	83.5	83.5	5.8	5.8	13.3	11	11	86	86	86	86	86			<0.2	1.2	1.2	1.2	
IM12	Sunny	Moderate	13:25	8.3	Surface	1.0	0.7	107	26.5	26.5	8.0	8.0	25.3	25.3	87.2	87.2	6.1	6.1	5.1	10	10	82	85	85	821473	812057	<0.2	1.2	1.2	1.2			
						1.0	0.8	109	26.5	26.5	8.0	8.0	25.3	25.3	87.1	87.1	6.1	6.1	5.2	10	10	82	85	82			<0.2	1.3	1.3	1.3			
					Middle	4.2	0.6	112	26.5	26.5	8.0	8.0	25.6	25.6	86.6	86.6	6.0	6.0	5.0	10	10	84	85	84	85	85			<0.2	1.3	1.3	1.3	
						4.2	0.7	114	26.5	26.5	8.0	8.0	25.6	25.6	86.5	86.6	6.0	6.0	5.0	9	9	85	85	85	85	85			<0.2	1.3	1.3	1.3	
					Bottom	7.3	0.5	108	25.9	25.9	8.0	8.0	26.4	26.4	82.2	82.2	5.8	5.8	12.8	10	10	87	87	87	87	87			<0.2	1.5	1.5	1.5	
						7.3	0.5	116	25.9	25.9	8.0	8.0	26.4	26.4	82.2	82.2	5.8	5.8	12.7	9	9	88	88	88	88	88			<0.2	1.2	1.2	1.2	
SR1A	Sunny	Moderate	13:44	5.6	Surface	1.0	-	-	27.1	27.1	8.0	8.0	25.5	25.5	92.1	92.1	6.4	6.4	3.5	10	10	82	85	85	819977	812665	-	-	-	-			
						1.0	-	-	27.1	27.1	8.0	8.0	25.5	25.5	92.1	92.1	6.4	6.4	3.5	9	9	82	85	82			-	-	-	-			
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4	9	82	85	85			-	-	-	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	82	85	85			-	-	-
					Bottom	4.6	-	-	26.5	26.5	8.0	8.0	25.7	25.7	85.2	85.1	5.9	5.9	5.3	8	8	87	87	87	87	87			-	-	-	-	
						4.6	-	-	26.5	26.5	8.0	8.0	25.7	25.7	85.0	85.0	5.9	5.9	5.3	7	7	87	87	87	87	87			-	-	-	-	
SR2	Sunny	Moderate	13:56	4.6	Surface	1.0	0.6	61	26.9	26.9	8.1	8.1	25.0	25.0	95.1	95.1	6.6	6.6	5.3	11	11	82	85	85	821476	814143	<0.2	1.2	1.2	1.2			
						1.0	0.7	62	26.9	26.9	8.1	8.1	25.1	25.0	95.0	95.0	6.6	6.6	5.4	10	10	82	85	82			<0.2	1.2	1.2	1.2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3	12	83	85	85			<0.2	1.3	1.3	1.3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	83	85	85			<0.2	1.3	1.3
					Bottom	3.6	0.4	60	26.5	26.5	8.1	8.1	25.6	25.6	89.7	89.7	6.3	6.3	13.2	13	13	83	85	83	85	85			<0.2	1.3	1.3	1.3	
						3.6	0.5	61	26.5	26.5	8.1	8.1	25.6	25.6	89.7	89.7	6.3	6.3	13.2	14	14	84	85	84	85	85			<0.2	1.2	1.2	1.2	
SR3	Sunny	Moderate	12:51	8.8	Surface	1.0	0.1	141	26.7	26.7	8.0	8.0	24.9	24.9	88.2	88.2	6.2	6.2	6.5	12	12	82	85	85	822146	807563	-	-	-	-			
						1.0	0.1	150	26.7	26.7	8.0	8.0	24.9	24.9	88.2	88.2	6.1	6.1	6.6	12	12	82	85	82			-	-	-	-			
					Middle	4.4	0.2	193	26.0	26.0	8.0	8.0	25.8	25.8	83.1	83.0	5.8	5.8	9.8	11	11	85	85	85	85	85			-	-	-	-	
						4.4	0.2	210	26.0	26.0	8.0	8.0	25.9	25.8	82.9	83.0	5.8	5.8	10.1	11	11	85	85	85	85	85			-	-	-	-	
					Bottom	7.8	0.0	236	25.9	25.9	8.0	8.0	26.3	26.3	80.9	80.9	5.7	5.7	10.4	9	9	87	87	87	87	87			-	-	-	-	
						7.8	0.0	254	25.9	25.9	8.0	8.0	26.3	26.3	80.9	80.9	5.7	5.7	10.3	10	10	87	87	87	87	87			-	-	-	-	
SR4A	Cloudy	Moderate	13:57	8.7	Surface	1.0	0.1	355	26.5	26.5	8.2	8.2	25.6	25.6	91.7	91.8	6.4	6.4	8.5	6	6	82	85	85	817202	807832	-	-	-	-			
						1.0	0.1	356	26.5	26.5	8.2	8.2	25.6	25.6	91.7	91.8	6.4	6.4	8.8	6	6	82	85	82			-	-	-	-			
					Middle	4.4	0.0	282	26.3	26.3	8.2	8.2	25.9	25.9	87.7	87.6	6.1	6.1	9.8	7	7	84	85	84	85	85			-	-	-	-	
						4.4	0.0	294	26.3	26.3	8.2	8.2	25.9	25.9	87.5	87.6	6.1	6.1	9.8	8	8	84	85	84	85	85			-	-	-	-	
					Bottom	7.7	0.0	192	26.2	26.2	8.1	8.1	26.0	26.0	87.6	87.7	6.1	6.1	9.9	7	7	84	85	84	85	85			-	-	-	-	
						7.7	0.0	209	26.2	26.2	8.1	8.1																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	08:11	9.1	Surface	1.0	1.0	38	25.6	8.0	8.0	26.1	26.2	84.7	84.6	6.0	5.9	9.3	6	86	87	815614	804246	<0.2	1.3	1.4	1.5					
						1.0	1.1	38	25.6	8.0	8.0	26.3	26.3	84.4	84.6	6.0	5.9	9.5	5	85	87	<0.2	1.4	1.4	1.5							
						4.6	0.8	35	25.3	8.1	8.1	27.6	27.6	82.5	82.5	5.8	5.8	11.1	6	86	87	<0.2	1.4	1.4	1.5							
					Middle	4.6	0.8	36	25.3	8.1	8.1	27.6	27.6	82.5	82.5	5.8	5.8	12.0	6	86	87	<0.2	1.5	1.5	1.5							
						8.1	0.6	37	25.3	8.1	8.1	27.9	27.9	81.9	81.9	5.8	5.8	16.1	7	90	89	<0.2	1.9	1.9	1.9							
						8.1	0.7	40	25.3	8.1	8.1	27.9	27.9	81.9	81.9	5.8	5.8	16.1	6	89	89	<0.2	1.7	1.7	1.7							
					C2	Fine	Moderate	08:11	11.0	Surface	1.0	0.5	349	26.7	8.1	8.1	21.5	21.5	90.9	90.9	6.5	6.2	3.2	4	86	88	825674	806944	<0.2	1.6	1.6	1.6
											1.0	0.5	321	26.7	8.1	8.1	21.5	21.5	90.9	90.9	6.5	6.2	3.2	5	86	88	<0.2	1.7	1.7	1.7		
											5.5	0.7	332	26.4	8.0	8.0	24.2	24.2	84.5	84.5	5.9	5.9	6.9	4	89	89	<0.2	1.5	1.5	1.5		
Middle	5.5	0.7	358	26.4						8.0	8.0	24.2	24.2	84.4	84.4	5.9	5.9	7.6	4	89	89	<0.2	1.5	1.5	1.5							
	10.0	0.5	340	26.3						8.0	8.0	24.6	24.6	83.5	83.5	5.9	5.9	16.2	5	91	90	<0.2	1.5	1.5	1.5							
	10.0	0.5	358	26.3						8.0	8.0	24.6	24.6	83.5	83.5	5.9	5.9	14.7	6	90	90	<0.2	1.6	1.6	1.6							
C3	Fine	Moderate	06:25	10.8						Surface	1.0	0.5	250	26.2	8.0	8.0	25.2	25.2	85.1	85.1	6.0	5.9	4.3	7	84	88	822105	817808	<0.2	1.2	1.2	1.2
											1.0	0.5	271	26.2	8.0	8.0	25.2	25.2	85.1	85.1	6.0	5.9	4.3	6	84	88	<0.2	1.2	1.2	1.2		
											5.4	0.4	254	26.1	8.0	8.0	25.9	25.9	82.9	83.0	5.8	5.7	5.7	7	89	89	<0.2	1.2	1.2	1.2		
					Middle	5.4	0.4	262	26.1	8.0	8.0	25.8	25.9	83.1	83.0	5.8	5.6	5.6	7	89	89	<0.2	1.3	1.3	1.3							
						9.8	0.4	248	25.6	8.0	8.0	27.4	27.4	81.3	81.3	5.7	5.7	13.1	7	89	89	<0.2	1.2	1.2	1.2							
						9.8	0.5	266	25.6	8.0	8.0	27.4	27.4	81.3	81.3	5.7	5.7	14.5	8	90	90	<0.2	1.2	1.2	1.2							
					IM1	Cloudy	Moderate	08:28	5.5	Surface	1.0	0.2	19	26.1	8.1	8.1	26.0	26.0	84.6	84.7	5.9	5.9	12.5	12	86	88	817955	807114	<0.2	1.7	1.7	1.7
											1.0	0.2	20	26.1	8.1	8.1	26.1	26.0	84.7	84.7	5.9	5.9	12.7	11	87	87	<0.2	1.7	1.7	1.7		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.5	0.2	35	26.1						8.1	8.1	26.1	26.1	84.0	84.0	5.9	5.9	14.6	14	89	89	<0.2	1.7	1.7	1.7							
	4.5	0.2	38	26.1						8.1	8.1	26.1	26.1	83.9	83.9	5.9	5.9	14.5	13	90	90	<0.2	1.8	1.8	1.8							
IM2	Cloudy	Moderate	08:36	7.8						Surface	1.0	0.4	353	26.0	8.1	8.1	26.3	26.3	84.7	84.7	5.9	5.9	13.4	17	85	88	818170	806152	<0.2	1.8	1.8	1.8
											1.0	0.4	325	26.0	8.1	8.1	26.3	26.3	84.6	84.6	5.9	5.9	13.5	16	86	86	<0.2	2.0	2.0	2.0		
											3.9	0.4	3	26.0	8.1	8.1	26.3	26.3	83.8	83.8	5.9	5.9	12.8	17	87	87	<0.2	1.9	1.9	1.9		
					Middle	3.9	0.4	3	26.0	8.1	8.1	26.4	26.3	83.8	83.8	5.9	5.9	12.3	16	88	88	<0.2	1.9	1.9	1.9							
						6.8	0.3	355	26.0	8.1	8.1	26.4	26.4	82.8	82.8	5.8	5.8	16.4	16	90	90	<0.2	2.0	2.0	2.0							
						6.8	0.3	327	26.0	8.1	8.1	26.4	26.4	82.7	82.7	5.8	5.8	16.6	16	92	92	<0.2	2.0	2.0	2.0							
					IM3	Cloudy	Moderate	08:42	7.8	Surface	1.0	0.6	343	25.7	8.2	8.2	26.6	26.6	84.4	84.4	5.9	5.9	13.8	9	85	88	818780	805573	<0.2	2.1	2.1	2.1
											1.0	0.6	316	25.7	8.2	8.2	26.6	26.6	84.3	84.3	5.9	5.9	13.1	10	87	87	<0.2	1.9	1.9	1.9		
											3.9	0.5	312	25.7	8.2	8.2	26.7	26.7	83.6	83.6	5.9	5.9	11.8	10	88	88	<0.2	2.1	2.1	2.1		
Middle	3.9	0.5	323	25.7						8.2	8.2	26.7	26.7	83.5	83.5	5.9	5.9	11.0	10	87	87	<0.2	2.3	2.3	2.3							
	6.8	0.4	324	25.7						8.1	8.1	26.8	26.8	83.2	83.2	5.8	5.8	16.1	10	90	90	<0.2	2.4	2.4	2.4							
	6.8	0.4	339	25.7						8.1	8.1	26.8	26.8	83.2	83.2	5.8	5.8	16.5	11	90	90	<0.2	2.4	2.4	2.4							
IM4	Cloudy	Moderate	08:51	8.9						Surface	1.0	1.1	356	25.8	8.3	8.3	26.4	26.4	84.8	84.7	6.0	5.9	12.4	15	85	88	819721	804594	<0.2	1.4	1.4	1.4
											1.0	1.1	328	25.7	8.3	8.3	26.4	26.4	84.6	84.6	5.9	5.9	12.5	16	86	86	<0.2	1.3	1.3	1.3		
											4.5	1.0	343	25.6	8.3	8.3	27.0	27.0	82.7	82.7	5.8	5.8	13.0	14	87	87	<0.2	1.4	1.4	1.4		
					Middle	4.5	1.1	316	25.6	8.3	8.3	27.0	27.0	82.7	82.7	5.8	5.8	13.3	13	88	88	<0.2	1.5	1.5	1.5							
						7.9	0.8	340	25.6	8.3	8.3	27.1	27.1	82.4	82.4	5.8	5.8	11.3	13	91	91	<0.2	1.5	1.5	1.5							
						7.9	0.9	340	25.6	8.3	8.3	27.1	27.1	82.4	82.4	5.8	5.8	11.9	13	90	90	<0.2	1.5	1.5	1.5							
					IM5	Cloudy	Moderate	08:56	8.0	Surface	1.0	1.3	13	25.8	8.3	8.3	26.3	26.3	85.7	85.7	6.0	6.0	19.6	24	86	88	820744	804857	<0.2	1.5	1.5	1.5
											1.0	1.3	13	25.8	8.3	8.3	26.3	26.3	85.6	85.6	6.0	6.0	19.7	24	86	86	<0.2	1.5	1.5	1.5		
											4.0	1.1	12	25.8	8.3	8.3	26.3	26.3	85.3	85.3	6.0	6.0	17.0	24	87	87	<0.2	1.6	1.6	1.6		
Middle	4.0	1.2	13	25.8						8.3	8.3	26.3	26.3	85.3	85.3	6.0	6.0	16.9	25	88	88	<0.2	1.6	1.6	1.6							
	7.0	0.9	15	25.8						8.2	8.2	26.3	26.3	84.6	84.6	5.9	5.9	14.1	25	90	90	<0.2	1.7	1.7	1.7							
	7.0	1.0	15	25.8						8.2	8.2	26.3	26.3	84.6	84.6	5.9	5.9	15.5	26	91	91	<0.2	1.6	1.6	1.6							
IM6	Cloudy	Moderate	09:03	8.0						Surface	1.0	0.0	199	26.5	8.2	8.2	23.8	23.9	88.4	88.3	6.2	6.1	8.7	3	85	88	821050	805832	<0.2	1.8	1.8	1.8
											1.0	0.0	204	26.5	8.2	8.2	24.0	24.0	85.1	85.1	6.2	6.1	9.2	4	86	86	<0.2	2.0	2.0	2.0		
											4.0	0.4	61	26.2	8.2	8.2	25.4	25.4	85.5	85.5	6.0	6.0	13.6	4	87	87	<0.2	1.9	1.9	1.9		
					Middle	4.0	0.4	64	26.2	8.2	8.2	25.5	25.4	85.4	85.4	6.0	6.0	13.4	4	88	88	<0.2	1.9	1.9	1.9							
						7.0	0.2	64	26.1	8.2	8.2	25.9	25.9	84.6	84.6	5.9	5.9	13.8	5	90	90	<0.2	1.9	1.9	1.9							
						7.0	0.2	67	26.1	8.2	8.2	25.9	25.9	84.6	84.6	5.9	5.9	13.5	5	91	91	<0.2	1.9	1.9	1.9							
					IM7	Cloudy	Moderate	09:11	8.5	Surface	1.0	0.1	261	26.4	8.3	8.3	23.4	23.4	86.5	86.4	6.1	6.1	6.4	4	86	88	821351	806858	<0.2	1.6	1.6	1.6
											1.0	0.1	267	26.4	8.3	8.3	23.4	23.4	86.3	86.3	6.1	6.1	6.5	4	86							

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Fine	Moderate	07:39	7.5	Surface	1.0	0.4	258	26.4	26.4	8.0	8.0	24.4	24.4	85.7	85.7	6.0	6.0	9.9	12	83	86	86	86	822081	808815	<0.2	1.3	1.3	1.3						
						1.0	0.4	289	26.4	26.4	8.0	8.0	24.4	24.4	85.7	85.7	6.0	6.0	9.9	12	83	86	86	86	86	86	<0.2	1.2	1.2	1.2						
						3.8	0.4	261	26.4	26.4	8.0	8.0	24.4	24.4	86.0	86.0	6.0	6.0	12.5	14	87	87	87	87	87	87	<0.2	1.2	1.2	1.2						
					Middle	3.8	0.4	262	26.4	26.4	8.0	8.0	24.4	24.4	86.0	86.0	6.0	6.0	12.4	14	87	87	87	87	87	87	86	86	<0.2	1.2	1.2	1.2				
						6.5	0.3	259	26.4	26.4	8.0	8.0	24.4	24.4	85.7	85.7	6.0	6.0	14.6	15	90	90	90	90	90	90	86	86	<0.2	1.3	1.3	1.3				
						6.5	0.3	280	26.4	26.4	8.0	8.0	24.4	24.4	85.7	85.7	6.0	6.0	14.8	14	89	89	89	89	89	89	86	86	<0.2	1.3	1.3	1.3				
					IM10	Fine	Moderate	07:32	8.0	Surface	1.0	0.9	292	26.4	26.4	8.0	8.0	24.3	24.3	87.0	87.0	6.1	6.1	5.7	6	82	82	82	82	822391	809799	<0.2	1.2	1.2	1.2	
											1.0	0.9	299	26.4	26.4	8.0	8.0	24.3	24.3	86.9	86.9	6.1	6.1	5.8	6	81	81	81	81	81	81	<0.2	1.2	1.2	1.2	
											4.0	0.7	291	26.4	26.4	8.0	8.0	24.7	24.7	85.2	85.2	6.0	6.0	11.5	6	82	82	82	82	82	82	<0.2	1.2	1.2	1.2	
Middle	4.0	0.8	309	26.4						26.4	8.0	8.0	24.7	24.7	85.2	85.2	6.0	6.0	11.6	6	83	83	83	83	83	83	86	86	<0.2	1.4	1.4	1.4				
	7.0	0.5	288	26.4						26.4	8.0	8.0	24.8	24.8	85.0	85.0	6.0	6.0	16.8	6	93	93	93	93	93	93	86	86	<0.2	1.3	1.3	1.3				
	7.0	0.6	291	26.4						26.4	8.0	8.0	24.8	24.8	85.1	85.1	6.0	6.0	16.2	7	93	93	93	93	93	93	86	86	<0.2	1.3	1.3	1.3				
IM11	Fine	Moderate	07:23	8.8						Surface	1.0	0.8	314	26.5	26.5	8.0	8.0	24.1	24.1	87.3	87.3	6.1	6.1	3.8	5	82	82	82	82	822053	811464	<0.2	1.3	1.3	1.3	
											1.0	0.9	334	26.5	26.5	8.0	8.0	24.1	24.1	87.3	87.3	6.1	6.1	3.8	4	82	82	82	82	82	82	<0.2	1.3	1.3	1.3	
											4.4	0.8	320	26.4	26.4	8.0	8.0	24.8	24.8	85.2	85.2	6.0	6.0	7.2	7	87	87	87	87	87	87	<0.2	1.4	1.4	1.4	
					Middle	4.4	0.8	329	26.4	26.4	8.0	8.0	24.8	24.8	85.2	85.2	6.0	6.0	7.2	6	87	87	87	87	87	87	86	86	<0.2	1.4	1.4	1.4				
						7.8	0.6	322	26.3	26.3	8.0	8.0	24.9	24.9	85.1	85.1	6.0	6.0	14.2	7	90	90	90	90	90	90	86	86	<0.2	1.5	1.5	1.5				
						7.8	0.7	353	26.3	26.3	8.0	8.0	24.9	24.9	85.2	85.2	6.0	6.0	14.4	6	89	89	89	89	89	89	86	86	<0.2	1.3	1.3	1.3				
					IM12	Fine	Moderate	07:17	8.6	Surface	1.0	0.7	290	26.5	26.5	8.0	8.0	23.8	23.8	88.7	88.8	6.2	6.2	3.8	3	85	85	85	85	821476	812049	<0.2	1.3	1.3	1.3	
											1.0	0.7	318	26.5	26.5	8.0	8.0	23.8	23.8	88.8	88.8	6.3	6.3	3.8	4	85	85	85	85	85	85	<0.2	1.3	1.3	1.3	
											4.3	0.8	287	26.4	26.4	8.0	8.0	24.7	24.7	85.3	85.3	6.0	6.0	4.9	3	89	89	89	89	89	89	<0.2	1.4	1.4	1.4	
Middle	4.3	0.8	294	26.4						26.4	8.0	8.0	24.7	24.7	85.3	85.3	6.0	6.0	4.9	4	90	90	90	90	90	90	89	89	<0.2	1.4	1.4	1.4				
	7.6	0.6	283	26.3						26.3	8.0	8.0	25.5	25.5	83.1	83.2	5.8	5.8	10.7	4	91	91	91	91	91	91	89	89	<0.2	1.4	1.4	1.4				
	7.6	0.6	309	26.3						26.3	8.0	8.0	25.5	25.5	83.2	83.2	5.8	5.8	10.8	3	92	92	92	92	92	92	89	89	<0.2	1.4	1.4	1.4				
SR1A	Fine	Moderate	06:58	5.1						Surface	1.0	-	-	26.4	26.4	8.0	8.0	24.7	24.7	85.4	85.5	6.0	6.0	4.5	4	-	-	-	-	819980	812656	-	-	-	-	
											1.0	-	-	26.4	26.4	8.0	8.0	24.7	24.7	85.5	85.5	6.0	6.0	4.5	5	-	-	-	-	-	-	-	-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.1	-	-	26.3	26.3	8.0	8.0	25.6	25.6	80.4	80.5	5.6	5.6	11.2	5	-	-	-	-	-	-	-	-	-	-	-	-				
						4.1	-	-	26.3	26.3	8.0	8.0	25.6	25.6	80.5	80.5	5.6	5.6	11.5	6	-	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Fine	Moderate	06:46	4.6	Surface	1.0	0.2	279	26.4	26.4	8.0	8.0	24.4	24.4	86.0	86.0	6.0	6.0	4.8	6	85	85	85	85	821469	814175	<0.2	1.3	1.3	1.3	
											1.0	0.2	291	26.4	26.4	8.0	8.0	24.4	24.4	86.0	86.0	6.0	6.0	4.8	5	-	-	-	-	-	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.6	0.3	308	26.3						26.3	8.0	8.0	25.7	25.7	82.6	82.6	5.8	5.8	11.7	6	88	88	88	88	88	88	86	86	<0.2	1.4	1.4	1.4				
	3.6	0.3	338	26.3						26.3	8.0	8.0	25.7	25.7	82.6	82.6	5.8	5.8	11.9	6	87	87	87	87	87	87	86	86	<0.2	1.3	1.3	1.3				
SR3	Fine	Moderate	07:52	9.1						Surface	1.0	0.2	269	26.7	26.7	8.1	8.1	22.0	22.0	90.0	90.0	6.4	6.4	3.5	4	-	-	-	-	822159	807574	-	-	-	-	
											1.0	0.2	292	26.7	26.7	8.1	8.1	22.0	22.0	90.0	90.0	6.4	6.4	3.5	5	-	-	-	-	-	-	-	-	-	-	
											4.6	0.1	311	26.7	26.7	8.0	8.0	23.6	23.6	86.3	86.3	6.1	6.1	4.9	5	-	-	-	-	-	-	-	-	-	-	
					Middle	4.6	0.1	328	26.7	26.7	8.0	8.0	23.6	23.6	86.3	86.3	6.1	6.1	4.9	4	-	-	-	-	-	-	-	-	-	-	-					
						8.1	0.1	318	26.7	26.7	8.0	8.0	23.7	23.7	86.3	86.3	6.1	6.1	5.8	6	-	-	-	-	-	-	-	-	-	-						
						8.1	0.1	322	26.7	26.7	8.0	8.0	23.7	23.7	86.3	86.3	6.1	6.1	5.9	5	-	-	-	-	-	-	-	-	-							
					SR4A	Cloudy	Moderate	07:47	8.9	Surface	1.0	0.2	56	26.3	26.3	8.1	8.1	26.1	26.1	81.6	81.6	5.7	5.7	11.0	14	-	-	-	-	817168	807828	-	-	-	-	
											1.0	0.2	60	26.3	26.3	8.1	8.1	26.1	26.1	81.5	81.5	5.7	5.7	11.1	13	-	-	-	-	-	-	-	-			
											4.5	0.1	63	26.3	26.3	8.1	8.1	26.1	26.1	81.4	81.4	5.7	5.7	11.3	13	-	-	-	-	-	-	-				
Middle	4.5	0.1	66	26.3						26.3	8.1	8.1	26.1	26.1	81.4	81.4	5.7	5.7	11.3	12	-	-	-	-	-	-	-	-								
	7.9	0.1	59	26.3						26.3	8.1	8.1	26.1	26.1	80.5	80.5	5.6	5.6	11.7	13	-	-	-	-	-	-	-									
	7.9	0.1	61	26.3						26.3	8.1	8.1	26.1	26.1	80.4	80.4	5.6	5.6	11.5	12	-	-	-	-	-	-	-									
SR5A	Cloudy	Moderate	07:30	3.4						Surface	1.0	0.2	284	26.3	26.3	7.9	7.9	26.1	26.1	82.2	82.2	5.7	5.7	12.7	12	-	-	-	-	816614						



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

Water Quality Monitoring Results on 12 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	16:02	8.9	Surface	1.0	0.5	224	25.6	25.6	8.1	8.1	29.1	29.1	95.3	95.3	6.6	6.6	3.6	3.6	9	9	84	84	815642	804237	88	<0.2	1.4	0.2	1.3						
						1.0	0.5	230	25.5	8.1	8.1	29.1	29.1	95.3	95.3	6.6	6.6	3.6	3.6	9	9	84	84														
					Middle	4.5	0.5	224	25.6	25.6	8.1	8.1	29.1	29.1	95.5	95.4	6.6	6.6	3.7	3.7	8	8	89	89				<0.2	1.3								
						4.5	0.5	236	25.6	25.6	8.1	8.1	29.1	29.1	95.2	95.2	6.6	6.6	3.7	3.7	9	9	89	89				<0.2	1.2								
					Bottom	7.9	0.3	197	24.9	24.9	8.1	8.1	30.7	30.7	83.9	84.0	5.8	5.9	15.8	15.8	7	7	90	90				<0.2	1.3								
						7.9	0.3	206	24.9	24.9	8.1	8.1	30.7	30.7	84.1	84.0	5.9	5.9	15.3	15.3	7	7	90	90				<0.2	1.4								
C2	Cloudy	Moderate	14:53	12.2	Surface	1.0	0.5	212	27.2	27.2	8.0	8.0	23.6	23.6	98.1	98.1	6.8	6.8	3.8	3.8	5	5	82	82	825668	806935	85	<0.2	1.6	0.2	1.5						
						1.0	0.5	221	27.2	27.2	8.0	8.0	23.6	23.6	98.0	98.0	6.8	6.8	3.9	3.9	4	4	82	82													
					Middle	6.1	0.4	210	26.2	26.2	8.1	8.1	25.7	25.7	84.3	84.3	5.9	5.9	9.4	9.4	6	6	86	86				<0.2	1.7								
						6.1	0.4	229	26.1	26.1	8.1	8.1	25.7	25.7	84.3	84.3	5.9	5.9	9.9	9.9	6	6	86	86				<0.2	1.5								
					Bottom	11.2	0.5	180	25.5	25.5	8.1	8.1	28.3	28.3	77.8	77.9	5.4	5.4	16.7	16.7	7	7	88	88				<0.2	1.6								
						11.2	0.5	188	25.5	25.5	8.1	8.1	28.3	28.3	77.9	77.9	5.4	5.4	16.7	16.7	6	6	88	88				<0.2	1.5								
C3	Cloudy	Moderate	16:36	12.5	Surface	1.0	0.6	109	26.4	26.4	8.0	8.0	26.5	26.5	91.6	91.6	6.4	6.4	4.7	4.7	6	6	83	83	822099	817808	86	<0.2	1.6	0.2	1.5						
						1.0	0.6	111	26.4	26.4	8.0	8.0	26.5	26.5	91.6	91.6	6.4	6.4	5.0	5.0	6	6	84	84													
					Middle	6.3	0.4	101	26.1	26.1	8.1	8.1	27.3	27.3	88.0	88.0	6.1	6.1	4.7	4.7	7	7	86	86				<0.2	1.6								
						6.3	0.4	107	26.1	26.1	8.1	8.1	27.3	27.3	88.0	88.0	6.1	6.1	5.0	5.0	7	7	87	87				<0.2	1.5								
					Bottom	11.5	0.3	53	24.9	24.9	8.2	8.2	30.1	30.1	79.5	79.6	5.6	5.6	10.8	10.8	7	7	89	89				<0.2	1.6								
						11.5	0.3	54	24.9	24.9	8.2	8.2	30.1	30.1	79.6	79.6	5.6	5.6	10.8	10.8	7	7	89	89				<0.2	1.5								
IM1	Cloudy	Calm	15:42	4.9	Surface	1.0	0.1	246	26.5	26.5	8.1	8.1	27.5	27.5	89.5	89.4	6.2	6.2	6.3	6.3	10	10	84	84	817959	807133	86	<0.2	1.2	0.2	1.2						
						1.0	0.1	269	26.5	26.5	8.1	8.1	27.5	27.5	89.3	89.3	6.2	6.2	6.4	6.4	10	10	84	84													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
					Bottom	3.9	0.1	164	25.5	25.5	8.1	8.1	29.3	29.3	84.3	84.3	5.9	5.9	9.9	9.9	12	12	88	88				<0.2	1.2								
						3.9	0.1	167	25.5	25.5	8.1	8.1	29.3	29.3	84.3	84.3	5.9	5.9	9.9	9.9	12	12	89	89				<0.2	1.3								
IM2	Cloudy	Calm	15:35	7.2	Surface	1.0	0.2	177	25.9	25.9	8.1	8.1	28.3	28.4	98.1	98.1	6.8	6.8	4.1	4.1	9	9	85	85	818151	806160	88	<0.2	1.0	0.2	1.0						
						1.0	0.2	181	25.8	25.8	8.1	8.1	28.5	28.4	98.1	98.1	6.8	6.8	4.1	4.1	9	9	85	85													
					Middle	3.6	0.2	137	25.4	25.4	8.1	8.1	29.6	29.7	94.5	92.4	6.6	6.6	4.7	4.7	8	8	89	89				<0.2	1.2								
						3.6	0.3	144	25.3	25.3	8.1	8.1	29.8	29.7	90.2	90.2	6.3	6.3	5.3	5.3	10	10	89	89				<0.2	1.0								
					Bottom	6.2	0.1	143	25.1	25.1	8.1	8.1	30.1	30.1	83.9	84.0	5.8	5.8	8.6	8.6	10	10	90	90				<0.2	1.1								
						6.2	0.1	157	25.1	25.1	8.1	8.1	30.1	30.1	84.1	84.0	5.8	5.8	8.5	8.5	9	9	90	90				<0.2	1.1								
IM3	Cloudy	Calm	15:28	7.4	Surface	1.0	0.2	160	26.8	26.8	8.1	8.1	26.9	26.9	98.0	98.0	6.7	6.7	4.9	4.9	8	8	85	85	818767	805586	88	<0.2	1.2	0.2	1.2						
						1.0	0.2	168	26.8	26.8	8.1	8.1	26.9	26.9	97.9	98.0	6.7	6.7	4.9	4.9	8	8	85	85													
					Middle	3.7	0.3	147	25.8	25.8	8.1	8.1	28.5	28.7	93.4	93.1	6.5	6.5	6.1	6.1	9	9	88	88				<0.2	1.3								
						3.7	0.3	149	25.7	25.7	8.1	8.1	28.8	28.7	92.7	92.7	6.4	6.4	6.9	6.9	8	8	88	88				<0.2	1.3								
					Bottom	6.4	0.2	132	25.2	25.3	8.1	8.1	30.0	29.9	85.8	85.9	6.0	6.0	9.8	9.8	10	10	89	89				<0.2	1.2								
						6.4	0.2	142	25.3	25.3	8.1	8.1	29.9	29.9	86.0	86.0	6.0	6.0	9.8	9.8	9	9	90	90				<0.2	1.1								
IM4	Cloudy	Calm	15:20	8.6	Surface	1.0	0.6	184	25.8	25.8	8.1	8.1	28.0	28.1	88.1	88.3	6.2	6.2	6.7	6.7	8	8	84	84	819745	804594	87	<0.2	1.2	0.2	1.1						
						1.0	0.7	199	25.8	25.8	8.1	8.1	28.2	28.1	88.1	88.3	6.1	6.1	7.1	7.1	7	7	84	84													
					Middle	4.3	0.5	168	25.4	25.4	8.1	8.1	29.3	29.3	85.8	85.8	6.0	6.0	10.1	10.1	11	11	87	87				<0.2	1.1								
						4.3	0.5	174	25.4	25.4	8.1	8.1	29.3	29.3	85.7	85.8	6.0	6.0	10.5	10.5	11	11	87	87				<0.2	1.1								
					Bottom	7.6	0.3	159	25.3	25.3	8.1	8.1	29.7	29.6	84.9	85.0	5.9	5.9	12.9	12.9	12	12	89	89				<0.2	1.1								
						7.6	0.3	169	25.3	25.3	8.1	8.1	29.6	29.6	85.0	85.0	5.9	5.9	12.9	12.9	12	12	89	89				<0.2	1.1								
IM5	Cloudy	Calm	15:13	8.0	Surface	1.0	0.6	210	25.9	25.9	8.1	8.1	27.9	27.9	91.2	91.2	6.3	6.3	5.8	5.8	5	5	84	84	820737	804885	87	<0.2	1.1	0.2	1.1						
						1.0	0.6	218	25.9	25.9	8.1	8.1	27.9	27.9	91.1	91.2	6.3	6.3	6.1	6.1	4	4	84	84													
					Middle	4.0	0.5	182	25.5	25.5	8.1	8.1	29.2	29.2	86.2	86.2	6.0	6.0	9.8	9.8	8	8	88	88				<0.2	1.2								
						4.0	0.5	184	25.4	25.5	8.1	8.1	29.2	29.2	86.1	86.2	6.0	6.0	10.1	10.1	8	8	88	88				<0.2	1.2								
					Bottom	7.0	0.4	182	25.4	25.4	8.1	8.1	29.3	29.3	86.0	86.1	6.0	6.0	12.9	12.9	9	9	89	89				<0.2	1.2								
						7.0	0.4	192	25.4	25.4	8.1	8.1	29.3	29.3	86.1	86.1	6.0	6.0	12.8	12.8	9	9	90	90				<0.2	1.2								
IM6	Cloudy	Calm	15:05	7.7	Surface	1.0	0.4	240	26.5	26.4	8.1	8.1	25.2	25.3	93.7	93.7	6.5	6.5	5.5	5.5	6	6	85	85	821052	805808	87	<0.2	1.7	0.2	1.6						
						1.0	0.5	253	26.3	26.4	8.1	8.1	25.3	25.3	93.6	93.7	6.6	6.6	5.7	5.7	6	6	85	85													
					Middle	3.9	0.4	220	25.8	25.8	8.1	8.1	28.2	28.3	88.1	87.8	6.1	6.1	6.9	6.9	6	6	87	87				<0.2	1.6								
						3.9	0.4	228	25.8	25.8	8.1	8.1	28.3	28.3	87.5	87.5	6.1	6.1	7.3	7.3	6	6	88	88				<0.2	1.6								
					Bottom	6.7	0.3	204	25.7	25.7	8.1	8.1	28.8	28.7	85.9	86.0	6.0	6.0	9.5	9.5	7	7															

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

Water Quality Monitoring Results on 12 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	15:22	7.8	Surface	1.0	0.4	123	<u>27.7</u>	27.7	8.1	8.1	<u>22.7</u>	22.7	<u>110.3</u>	110.3	<u>7.7</u>	7.7	3.9	6	82	84	82	84	82	84	82	84	<0.2	1.6	1.5	1.5			
						1.0	0.4	128	<u>27.7</u>	27.7	8.1	8.1	<u>22.8</u>	22.8	<u>110.3</u>	110.3	<u>7.7</u>	7.7	4.0	6	82	84	82	84	82	84	82	84	<0.2	1.5	1.5	1.5			
					Middle	3.9	0.3	109	<u>27.3</u>	27.3	8.1	8.1	<u>23.8</u>	23.8	<u>103.3</u>	103.2	<u>7.2</u>	7.2	4.4	7	84	7	84	7	84	7	84	7	84	<0.2	1.6	1.5	1.5		
						3.9	0.3	117	<u>27.3</u>	27.3	8.1	8.1	<u>23.8</u>	23.8	<u>103.1</u>	103.2	<u>7.2</u>	7.2	4.4	7	84	7	84	7	84	7	84	7	84	<0.2	1.5	1.5	1.5		
					Bottom	6.8	0.2	89	<u>26.4</u>	26.4	8.1	8.1	<u>25.9</u>	25.9	<u>88.2</u>	88.3	<u>6.2</u>	6.2	6.4	7	87	8	87	8	87	8	87	8	87	<0.2	1.5	1.5	1.5		
						6.8	0.2	94	<u>26.4</u>	26.4	8.1	8.1	<u>25.9</u>	25.9	<u>88.4</u>	88.3	<u>6.2</u>	6.2	6.5	8	87	8	87	8	87	8	87	8	87	<0.2	1.4	1.4	1.4		
IM10	Cloudy	Moderate	15:29	8.0	Surface	1.0	0.7	106	<u>27.1</u>	27.1	8.1	8.1	<u>23.6</u>	23.6	<u>102.2</u>	102.2	<u>7.1</u>	7.1	4.2	4	83	4	83	4	83	4	83	<0.2	1.4	1.4	1.4				
						1.0	0.8	106	<u>27.1</u>	27.1	8.1	8.1	<u>23.6</u>	23.6	<u>102.2</u>	102.2	<u>7.1</u>	7.1	4.2	4	83	4	83	4	83	4	83	4	83	<0.2	1.4	1.4	1.4		
					Middle	4.0	0.6	100	<u>26.6</u>	26.6	8.1	8.1	<u>25.8</u>	25.8	<u>92.3</u>	92.2	<u>6.4</u>	6.4	7.1	5	85	5	85	5	85	5	85	5	85	<0.2	1.4	1.4	1.4		
						4.0	0.6	106	<u>26.6</u>	26.6	8.1	8.1	<u>25.8</u>	25.8	<u>92.0</u>	92.0	<u>6.4</u>	6.4	7.5	5	85	5	85	5	85	5	85	5	85	<0.2	1.4	1.4	1.4		
					Bottom	7.0	0.5	98	<u>26.4</u>	26.4	8.1	8.1	<u>26.0</u>	26.0	<u>90.3</u>	90.3	<u>6.3</u>	6.3	9.8	5	88	5	88	5	88	5	88	5	88	<0.2	1.4	1.4	1.4		
						7.0	0.5	102	<u>26.4</u>	26.4	8.1	8.1	<u>26.0</u>	26.0	<u>90.3</u>	90.3	<u>6.3</u>	6.3	9.7	4	88	4	88	4	88	4	88	4	88	<0.2	1.4	1.4	1.4		
IM11	Cloudy	Moderate	15:38	9.1	Surface	1.0	0.5	103	<u>27.4</u>	27.4	8.1	8.1	<u>23.8</u>	23.8	<u>98.6</u>	98.6	<u>6.8</u>	6.8	3.6	6	83	6	83	6	83	6	83	<0.2	1.5	1.5	1.5				
						1.0	0.6	110	<u>27.4</u>	27.4	8.1	8.1	<u>23.8</u>	23.8	<u>98.6</u>	98.6	<u>6.8</u>	6.8	3.6	5	83	5	83	5	83	5	83	5	83	<0.2	1.5	1.5	1.5		
					Middle	4.6	0.7	101	<u>26.4</u>	26.4	8.1	8.1	<u>25.8</u>	25.8	<u>87.2</u>	87.2	<u>6.1</u>	6.1	10.8	5	85	5	85	5	85	5	85	5	85	<0.2	1.6	1.6	1.6		
						4.6	0.7	108	<u>26.4</u>	26.4	8.1	8.1	<u>25.8</u>	25.8	<u>87.2</u>	87.2	<u>6.1</u>	6.1	10.9	4	85	4	85	4	85	4	85	4	85	<0.2	1.6	1.6	1.6		
					Bottom	8.1	0.5	99	<u>26.3</u>	26.3	8.1	8.1	<u>26.0</u>	26.0	<u>87.5</u>	87.5	<u>6.1</u>	6.1	13.5	5	87	5	87	5	87	5	87	5	87	<0.2	1.5	1.5	1.5		
						8.1	0.5	104	<u>26.3</u>	26.3	8.1	8.1	<u>26.0</u>	26.0	<u>87.8</u>	87.7	<u>6.1</u>	6.1	13.1	5	88	5	88	5	88	5	88	5	88	<0.2	1.6	1.6	1.6		
IM12	Cloudy	Moderate	15:45	10.2	Surface	1.0	0.8	105	<u>27.5</u>	27.5	8.1	8.1	<u>23.5</u>	23.5	<u>100.9</u>	100.9	<u>7.0</u>	7.0	3.9	5	82	5	82	5	82	5	82	<0.2	1.4	1.4	1.4				
						1.0	0.8	109	<u>27.5</u>	27.5	8.1	8.1	<u>23.5</u>	23.5	<u>100.8</u>	100.9	<u>7.0</u>	7.0	3.9	5	82	5	82	5	82	5	82	5	82	<0.2	1.5	1.5	1.5		
					Middle	5.1	0.5	91	<u>26.8</u>	26.8	8.1	8.1	<u>24.8</u>	24.8	<u>91.1</u>	91.1	<u>6.3</u>	6.3	8.2	5	84	5	84	5	84	5	84	5	84	<0.2	1.5	1.5	1.5		
						5.1	0.5	92	<u>26.8</u>	26.8	8.1	8.1	<u>24.8</u>	24.8	<u>91.1</u>	91.1	<u>6.3</u>	6.3	8.1	6	85	6	85	6	85	6	85	6	85	<0.2	1.5	1.5	1.5		
					Bottom	9.2	0.3	77	<u>26.1</u>	26.1	8.1	8.1	<u>26.7</u>	26.7	<u>83.2</u>	83.4	<u>5.8</u>	5.8	11.1	5	87	5	87	5	87	5	87	5	87	<0.2	1.5	1.5	1.5		
						9.2	0.4	78	<u>26.1</u>	26.1	8.1	8.1	<u>26.7</u>	26.7	<u>83.5</u>	83.5	<u>5.8</u>	5.8	11.2	6	87	6	87	6	87	6	87	6	87	<0.2	1.6	1.6	1.6		
SR1A	Cloudy	Moderate	16:02	5.4	Surface	1.0	-	-	<u>28.0</u>	28.0	8.1	8.1	<u>23.6</u>	23.6	<u>100.1</u>	100.1	<u>6.9</u>	6.9	3.4	5	-	5	-	5	-	5	-	-	-	-	-	-			
						1.0	-	-	<u>28.0</u>	28.0	8.1	8.1	<u>23.6</u>	23.6	<u>100.0</u>	100.0	<u>6.9</u>	6.9	3.3	4	-	4	-	4	-	4	-	4	-	-	-	-	-		
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.4	-	-	<u>26.7</u>	26.7	8.1	8.1	<u>25.6</u>	25.6	<u>89.9</u>	89.9	<u>6.2</u>	6.2	7.7	8	-	8	-	8	-	8	-	8	-	8	-	-	-	-	-
						4.4	-	-	<u>26.7</u>	26.7	8.1	8.1	<u>25.7</u>	25.7	<u>89.8</u>	89.8	<u>6.2</u>	6.2	7.9	7	-	7	-	7	-	7	-	7	-	7	-	-	-	-	-
SR2	Cloudy	Moderate	16:15	4.7	Surface	1.0	0.5	74	<u>27.1</u>	27.1	8.1	8.1	<u>24.2</u>	24.2	<u>96.9</u>	96.9	<u>6.7</u>	6.7	4.4	5	83	5	83	5	83	5	83	<0.2	1.5	1.5	1.5				
						1.0	0.6	75	<u>27.1</u>	27.1	8.1	8.1	<u>24.2</u>	24.2	<u>96.8</u>	96.8	<u>6.7</u>	6.7	4.4	4	83	4	83	4	83	4	83	4	83	<0.2	1.5	1.5	1.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.4	58	<u>26.7</u>	26.7	8.1	8.1	<u>25.1</u>	25.1	<u>90.6</u>	90.6	<u>6.3</u>	6.3	9.7	7	85	7	85	7	85	7	85	7	85	<0.2	1.5	1.5	1.5		
						3.7	0.4	60	<u>26.7</u>	26.7	8.1	8.1	<u>25.1</u>	25.1	<u>90.6</u>	90.6	<u>6.3</u>	6.3	9.7	6	86	6	86	6	86	6	86	6	86	<0.2	1.5	1.5	1.5		
SR3	Cloudy	Moderate	15:11	9.5	Surface	1.0	0.2	231	<u>27.2</u>	27.2	7.9	7.9	<u>23.3</u>	23.3	<u>98.4</u>	98.3	<u>6.9</u>	6.9	3.9	6	-	6	-	6	-	6	-	-	-	-	-				
						1.0	0.2	242	<u>27.2</u>	27.2	7.9	7.9	<u>23.3</u>	23.3	<u>98.2</u>	98.2	<u>6.8</u>	6.8	4.0	7	-	7	-	7	-	7	-	7	-	-	-	-			
					Middle	4.8	0.1	291	<u>26.4</u>	26.4	7.9	7.9	<u>25.8</u>	25.8	<u>86.2</u>	86.3	<u>6.0</u>	6.0	6.3	6	-	6	-	6	-	6	-	6	-	-	-	-	-		
						4.8	0.1	310	<u>26.4</u>	26.4	7.9	7.9	<u>25.8</u>	25.8	<u>86.3</u>	86.3	<u>6.0</u>	6.0	6.4	7	-	7	-	7	-	7	-	7	-	-	-	-			
					Bottom	8.5	0.2	88	<u>25.8</u>	25.8	8.0	8.0	<u>28.1</u>	28.1	<u>86.6</u>	86.7	<u>6.0</u>	6.0	10.6	7	-	7	-	7	-	7	-	7	-	7	-	-	-	-	
						8.5	0.2	90	<u>25.8</u>	25.8	8.0	8.0	<u>28.1</u>	28.1	<u>86.7</u>	86.7	<u>6.0</u>	6.0	10.6	7	-	7	-	7	-	7	-	7	-	7	-	-	-	-	
SR4A	Cloudy	Calm	16:26	8.5	Surface	1.0	0.2	239	<u>26.5</u>	26.5	8.1	8.1	<u>27.5</u>	27.6	<u>97.1</u>	96.9	<u>6.7</u>	6.7	5.5	8	-	8	-	8	-	8	-	-	-	-					
						1.0	0.3	242	<u>26.4</u>	26.4	8.1	8.1	<u></u>																						



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

Water Quality Monitoring Results on **12 May 20** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	09:37	7.5	Surface	1.0	0.5	265	27.1	27.1	8.1	8.1	22.9	22.9	90.6	90.6	6.3	6.3	6.8	6.8	9	9	83	83	85	822095	808794	<0.2	1.5	<0.2	1.5			
						1.0	0.6	277	27.1	27.1	8.1	8.1	22.9	22.9	90.5	90.5	6.3	6.3	6.8	6.8	9	9	83	83										
						3.8	0.5	266	27.1	27.1	8.1	8.1	23.0	23.0	90.0	90.0	6.3	6.3	7.3	7.3	10	10	85	85										
					3.8	0.5	287	27.1	27.1	8.1	8.1	23.0	23.0	90.0	90.0	6.3	6.3	7.4	7.4	10	10	85	85											
					6.5	0.4	261	26.9	26.9	8.1	8.1	23.5	23.5	89.2	89.2	6.2	6.2	8.4	8.4	10	10	88	88											
					6.5	0.4	280	26.9	26.9	8.1	8.1	23.5	23.5	89.2	89.2	6.2	6.2	8.8	8.8	10	10	88	88											
IM10	Cloudy	Moderate	09:30	8.0	Surface	1.0	0.7	299	27.1	27.1	8.1	8.1	22.9	22.9	91.0	91.0	6.4	6.4	5.0	5.0	7	7	83	83	86	822396	809797	<0.2	1.5	<0.2	1.5			
						1.0	0.7	322	27.1	27.1	8.1	8.1	22.9	22.9	91.0	91.0	6.4	6.4	5.0	5.0	7	7	83	83										
						4.0	0.6	289	26.8	26.8	8.1	8.1	24.0	24.0	85.5	85.5	6.0	6.0	8.1	8.1	7	7	86	86										
					4.0	0.6	310	26.8	26.8	8.1	8.1	24.0	24.0	85.4	85.4	6.0	6.0	7.7	7.7	7	7	86	86											
					7.0	0.5	278	26.6	26.6	8.1	8.1	24.9	24.9	83.6	83.6	5.8	5.8	7.7	7.7	6	6	89	89											
					7.0	0.5	303	26.6	26.6	8.1	8.1	24.9	24.9	83.6	83.6	5.8	5.8	7.8	7.8	5	5	89	89											
IM11	Cloudy	Moderate	09:19	8.3	Surface	1.0	0.5	321	27.1	27.1	8.1	8.1	22.9	22.9	91.3	91.3	6.4	6.4	4.0	4.0	5	5	83	83	86	822033	811464	<0.2	1.5	<0.2	1.5			
						1.0	0.6	323	27.1	27.1	8.1	8.1	22.9	22.9	91.2	91.2	6.0	6.0	4.0	4.0	6	6	85	85										
						4.2	0.5	313	26.5	26.5	8.1	8.1	25.5	25.5	85.6	85.6	6.0	6.0	5.3	5.3	6	6	85	85										
					4.2	0.5	319	26.5	26.5	8.1	8.1	25.5	25.5	85.6	85.6	6.0	6.0	5.2	5.2	5	5	86	86											
					7.3	0.4	307	26.4	26.4	8.1	8.1	25.9	25.9	85.2	85.2	5.9	5.9	7.8	7.8	8	8	88	88											
					7.3	0.4	328	26.4	26.4	8.1	8.1	25.9	25.9	85.3	85.3	5.9	5.9	7.9	7.9	7	7	88	88											
IM12	Cloudy	Moderate	09:12	8.6	Surface	1.0	0.5	309	27.2	27.2	8.0	8.0	22.4	22.4	92.4	92.4	6.5	6.5	4.4	4.4	5	5	82	82	85	821441	812044	<0.2	1.3	<0.2	1.3			
						1.0	0.5	314	27.2	27.2	8.0	8.0	22.4	22.4	92.4	92.4	6.5	6.5	4.4	4.4	4	4	82	82										
						4.3	0.5	300	26.6	26.6	8.0	8.0	25.0	25.0	87.8	87.8	6.1	6.1	4.8	4.8	7	7	85	85										
					4.3	0.5	315	26.6	26.6	8.0	8.0	25.0	25.0	87.7	87.7	6.1	6.1	4.8	4.8	6	6	86	86											
					7.6	0.5	307	25.8	25.8	8.0	8.0	27.6	27.6	82.4	82.4	5.7	5.7	10.3	10.3	6	6	88	88											
					7.6	0.6	337	25.8	25.8	8.0	8.0	27.6	27.6	82.9	82.9	5.8	5.8	10.1	10.1	7	7	88	88											
SR1A	Cloudy	Moderate	08:53	5.3	Surface	1.0	-	-	27.2	27.2	8.0	8.0	22.4	22.4	93.4	93.4	6.5	6.5	4.1	4.1	4	4	-	-	819981	812654	-	-	-	-				
						1.0	-	-	27.2	27.2	8.0	8.0	22.4	22.4	93.4	93.4	6.5	6.5	4.1	4.1	5	5	-	-										
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-						
					2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-
					4.3	-	-	27.2	27.2	8.0	8.0	23.4	23.4	92.0	92.1	6.4	6.4	4.1	4.1	7	7	-	-	-			-							
					4.3	-	-	27.2	27.2	8.0	8.0	23.4	23.4	92.1	92.1	6.4	6.4	4.1	4.1	7	7	-	-	-			-							
SR2	Cloudy	Moderate	08:41	5.1	Surface	1.0	0.1	238	27.2	27.2	7.9	7.9	22.2	22.2	94.5	94.5	6.6	6.6	4.2	4.2	7	7	85	85	86	821462	814189	<0.2	1.6	<0.2	1.6			
						1.0	0.1	249	27.2	27.2	7.9	7.9	22.2	22.2	94.5	94.5	6.6	6.6	4.4	4.4	6	6	84	84										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-	-
					4.1	0.1	284	26.8	26.9	7.9	7.9	24.4	24.4	88.8	88.8	6.2	6.2	7.1	7.1	7	7	86	86											
					4.1	0.1	295	26.9	26.9	7.9	7.9	24.4	24.4	88.8	88.8	6.2	6.2	7.1	7.1	7	7	87	87											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-	-
SR3	Cloudy	Moderate	09:50	9.4	Surface	1.0	0.2	294	27.2	27.2	8.2	8.2	21.7	21.7	95.1	95.1	6.7	6.7	4.5	4.5	7	7	-	-	822134	807553	-	-	-	-				
						1.0	0.2	302	27.2	27.2	8.2	8.2	21.7	21.7	95.0	95.0	6.7	6.7	4.6	4.6	6	6	-	-										
						4.7	0.2	297	27.0	27.0	8.2	8.2	22.7	22.7	91.4	91.3	6.4	6.4	4.8	4.8	5	5	-	-										
					4.7	0.2	316	26.9	26.9	8.2	8.2	22.7	22.7	91.1	91.1	6.4	6.4	4.9	4.9	6	6	-	-											
					8.4	0.2	35	26.5	26.6	8.2	8.2	25.5	25.5	88.5	88.6	6.2	6.2	6.8	6.8	6	6	-	-											
					8.4	0.2	37	26.6	26.6	8.2	8.2	25.5	25.5	88.6	88.6	6.2	6.2	6.7	6.7	4	4	-	-											
SR4A	Cloudy	Calm	09:26	9.6	Surface	1.0	0.0	223	26.7	26.7	8.1	8.1	24.8	24.8	89.1	89.2	6.2	6.2	7.8	7.8	6	6	-	-	817212	807825	-	-	-	-				
						1.0	0.0	232	26.6	26.6	8.1	8.1	24.8	24.8	89.2	89.2	6.2	6.2	7.8	7.8	5	5	-	-										
						4.8	0.1	80	26.4	26.4	8.1	8.1	26.1	26.2	83.2	82.9	5.8	5.8	6.0	6.0	6	6	-	-										
					4.8	0.2	85	26.4	26.4	8.1	8.1	26.3	26.2	82.6	82.6	5.7	5.7	6.5	6.5	7	7	-	-											
					8.6	0.1	53	26.2	26.2	8.1	8.1	26.9	26.8	80.6	80.6	5.6	5.6	8.1	8.1	8	8	-	-											
					8.6	0.1	58	26.2	26.2	8.1	8.1	26.8	26.8	80.5	80.5	5.6	5.6	7.8	7.8	8	8	-	-											
SR5A	Cloudy	Calm	09:09	3.4	Surface	1.0	0.0	305	26.8	26.8	8.1	8.1	24.5	24.5	85.3	85.2	5.9	5.9	6.3	6.3	5	5	-	-	816609	810672	-	-	-	-				
						1.0	0.0	334	26.8	26.8	8.1	8.1	24.5	24.5	85.0	85.0	5.9	5.9	6.4	6.4	4	4	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	
					2.4	0.2	280	26.8	26.8	8.0	8.0	24.6	24.6	81.6	79.3	5.7	5.7	10.3	10.3	6	6	-	-											
					2.4	0.2	300	26.8	26.8	8.0	8.0	24.6	24.6	77.0	77.0	5.4	5.4	10.1	10.1	7	7	-	-											
SR6A	Cloudy	Calm	08:38	4.9	Surface	1.0	0.1	263	27.2	27.2	8.0	8.0	24.1	24.1	90.1	90.2	6.3	6.3	3.5	3.5	5	5	-	-	817944	814727	-	-	-	-				
						1.0	0.1	281	27.2	27.2	8.0	8.0	24.1	24.1	90.3	90.2	6.3	6.3	3.5	3.5	5	5	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	
					3.9	0.0	252	27.1	27.1	8.0	8.0	24.7	24.7	84.4	84.5	5.9	5.9	8.																

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	17:50	8.3	Surface	1.0	0.4	213	26.3	26.3	8.2	8.2	28.4	28.4	127.6	127.6	8.8	8.8	2.5	7	8	84	87	815638	804244	<0.2	1.1	1.1	1.1					
						1.0	0.4	233	26.3	26.3	8.2	8.2	28.4	28.4	127.5	127.5	8.8	8.8	2.5	7	8	84	87	815638	804244	<0.2	1.1	1.1	1.1					
						4.2	0.4	204	26.1	26.1	8.2	8.2	28.7	28.7	122.3	122.3	8.4	8.4	4.0	9	8	86	87	815638	804244	<0.2	1.2	1.2	1.2					
					Middle	4.2	0.4	215	26.1	26.1	8.2	8.2	28.7	28.7	121.7	121.7	8.4	8.4	4.6	8	8	87	88	815638	804244	<0.2	1.1	1.1	1.1					
						7.3	0.3	221	25.4	25.4	8.1	8.1	29.6	29.6	90.6	90.6	6.3	6.3	10.7	8	8	90	90	815638	804244	<0.2	1.2	1.2	1.2					
						7.3	0.4	230	25.4	25.4	8.1	8.1	29.6	29.6	91.0	91.0	6.3	6.3	10.7	9	8	90	90	815638	804244	<0.2	1.0	1.0	1.0					
					Bottom	1.0	0.1	158	27.0	27.0	7.9	7.9	25.5	25.5	100.2	100.2	6.9	6.9	3.0	6	6	87	87	815638	804244	<0.2	1.4	1.4	1.4					
						1.0	0.1	172	26.9	26.9	7.9	7.9	25.5	25.5	100.0	100.0	6.9	6.9	3.1	5	5	88	88	815638	804244	<0.2	1.4	1.4	1.4					
						6.1	0.3	160	26.2	26.2	7.9	7.9	26.6	26.6	83.3	83.3	5.8	5.8	5.7	6	6	86	86	815638	804244	<0.2	1.4	1.4	1.4					
C2	Cloudy	Moderate	16:47	12.1	Surface	6.1	0.3	165	26.2	26.2	7.9	7.9	26.6	26.6	82.8	82.8	5.8	5.8	6.1	5	5	85	85	825699	806936	<0.2	1.4	1.4	1.4					
						11.1	0.3	140	25.0	25.0	7.9	7.9	30.2	30.2	69.4	69.4	4.8	4.8	7.8	7	7	91	91	825699	806936	<0.2	1.4	1.4	1.4					
						11.1	0.3	150	25.0	25.0	7.9	7.9	30.1	30.1	69.7	69.7	4.9	4.9	7.8	6	6	90	90	825699	806936	<0.2	1.4	1.4	1.4					
					Middle	1.0	0.4	81	26.2	26.2	8.2	8.2	27.5	27.5	93.0	92.9	6.4	6.4	3.5	6	6	84	84	825699	806936	<0.2	1.3	1.3	1.3					
						1.0	0.4	81	26.1	26.1	8.2	8.2	27.6	27.5	92.7	92.6	6.4	6.4	3.6	6	6	85	85	825699	806936	<0.2	1.4	1.4	1.4					
						6.2	0.3	97	25.2	25.2	8.2	8.2	29.5	29.6	81.1	81.1	5.7	5.7	4.5	6	7	87	87	825699	806936	<0.2	1.4	1.4	1.4					
					Bottom	6.2	0.3	103	25.1	25.1	8.2	8.2	29.7	29.6	81.0	81.0	5.6	5.6	4.4	7	7	88	88	825699	806936	<0.2	1.3	1.3	1.3					
						11.3	0.2	119	24.7	24.7	8.2	8.2	30.8	30.7	77.0	77.3	5.4	5.4	5.0	7	7	89	89	825699	806936	<0.2	1.4	1.4	1.4					
						11.3	0.2	119	24.8	24.8	8.2	8.2	30.7	30.7	77.5	77.3	5.4	5.4	5.0	8	8	89	89	825699	806936	<0.2	1.4	1.4	1.4					
IM1	Cloudy	Moderate	17:30	5.2	Surface	1.0	0.1	193	26.5	26.5	8.2	8.2	28.5	28.5	121.3	121.1	8.3	8.3	2.9	8	8	85	85	817956	807120	<0.2	0.9	0.9	0.9					
						1.0	0.1	208	26.5	26.5	8.2	8.2	28.5	28.5	120.8	120.8	8.3	8.3	2.9	8	8	85	85	817956	807120	<0.2	0.9	0.9	0.9					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.2	0.1	174	26.0	26.0	8.2	8.2	29.1	29.1	104.8	104.9	7.2	7.2	3.6	8	8	87	87	817956	807120	<0.2	0.9	0.9	0.9					
						4.2	0.1	185	26.0	26.0	8.2	8.2	29.1	29.1	104.9	104.9	7.2	7.2	3.6	6	6	88	88	817956	807120	<0.2	0.9	0.9	0.9					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					IM2	Cloudy	Moderate	17:24	7.2	Surface	1.0	0.3	141	26.8	26.8	8.2	8.2	26.3	26.3	122.1	122.0	8.4	8.4	2.6	6	6	82	82	818146	806148	<0.2	1.1	1.1	1.1
											1.0	0.3	153	26.8	26.8	8.2	8.2	26.3	26.3	121.9	121.9	8.4	8.4	2.5	6	6	83	83	818146	806148	<0.2	1.2	1.2	1.2
											3.6	0.2	168	26.1	26.1	8.1	8.1	28.7	28.7	103.3	103.2	7.1	7.1	2.8	7	7	85	85	818146	806148	<0.2	1.3	1.3	1.3
Middle	3.6	0.2	172	26.1						26.1	8.1	8.1	28.7	28.7	103.1	103.2	7.1	7.1	2.8	6	6	85	85	818146	806148	<0.2	1.4	1.4	1.4					
	6.2	0.2	205	25.3						25.3	8.1	8.1	29.7	29.7	83.8	83.9	5.8	5.8	7.2	8	8	90	90	818146	806148	<0.2	1.5	1.5	1.5					
	6.2	0.2	215	25.3						25.3	8.1	8.1	29.7	29.7	83.9	83.9	5.8	5.8	7.2	8	8	89	89	818146	806148	<0.2	1.6	1.6	1.6					
Bottom	1.0	0.4	151	26.9						26.9	8.2	8.2	25.8	25.9	119.3	119.2	8.3	8.3	2.6	9	9	82	82	818146	806148	<0.2	1.3	1.3	1.3					
	1.0	0.5	163	26.8						26.8	8.2	8.2	25.9	25.9	119.0	119.0	8.2	8.2	2.7	8	8	82	82	818146	806148	<0.2	1.2	1.2	1.2					
	3.8	0.4	152	26.4						26.4	8.1	8.1	27.6	27.6	101.9	102.0	7.0	7.0	3.7	7	7	86	86	818146	806148	<0.2	1.2	1.2	1.2					
IM3	Cloudy	Moderate	17:17	7.5	Surface	3.8	0.4	166	26.4	26.4	8.1	8.1	27.6	27.6	102.1	102.0	7.0	7.0	3.7	8	8	85	85	818795	805593	<0.2	1.1	1.1	1.1					
						6.5	0.2	140	25.4	25.4	8.0	8.0	29.6	29.6	86.8	86.8	6.0	6.0	8.5	8	8	90	90	818795	805593	<0.2	1.2	1.2	1.2					
						6.5	0.2	151	25.4	25.4	8.0	8.0	29.6	29.6	86.8	86.8	6.0	6.0	8.4	7	7	89	89	818795	805593	<0.2	1.2	1.2	1.2					
					Middle	1.0	0.4	167	26.4	26.4	8.2	8.2	26.8	26.8	118.5	118.5	8.2	8.2	3.0	6	6	82	82	818795	805593	<0.2	1.1	1.1	1.1					
						1.0	0.4	174	26.4	26.4	8.2	8.2	26.8	26.8	118.5	118.5	8.2	8.2	3.1	7	7	82	82	818795	805593	<0.2	1.1	1.1	1.1					
						4.2	0.4	165	26.1	26.1	8.1	8.1	27.9	28.0	114.2	113.9	7.9	7.9	3.4	8	8	85	85	818795	805593	<0.2	1.2	1.2	1.2					
					Bottom	4.2	0.4	166	26.1	26.1	8.1	8.1	28.0	28.0	113.6	113.9	7.9	7.9	3.6	7	7	85	85	818795	805593	<0.2	1.2	1.2	1.2					
						7.4	0.3	176	25.9	25.9	8.1	8.1	28.8	28.8	100.9	101.0	7.0	7.0	4.9	9	9	89	89	818795	805593	<0.2	1.1	1.1	1.1					
						7.4	0.4	186	25.9	25.9	8.1	8.1	28.8	28.8	101.0	101.0	7.0	7.0	4.7	10	10	90	90	818795	805593	<0.2	1.3	1.3	1.3					
IM4	Cloudy	Moderate	17:08	8.4	Surface	1.0	0.3	182	27.2	27.2	8.2	8.2	24.4	24.4	116.8	116.9	8.1	8.1	2.5	7	7	81	81	820745	804869	<0.2	1.4	1.4	1.4					
						1.0	0.3	199	27.2	27.2	8.2	8.2	24.4	24.4	116.9	116.9	8.1	8.1	2.5	7	7	82	82	820745	804869	<0.2	1.6	1.6	1.6					
						4.0	0.3	177	26.2	26.2	8.1	8.1	27.1	27.1	115.0	115.0	8.0	8.0	4.0	6	6	85	85	820745	804869	<0.2	1.5	1.5	1.5					
					Middle	4.0	0.3	179	26.2	26.2	8.1	8.1	27.1	27.1	114.9	115.0	8.0	8.0	4.0	8	8	85	85	820745	804869	<0.2	1.4	1.4	1.4					
						6.9	0.2	177	25.7	25.7	8.1	8.1	29.0	28.9	94.2	94.3	6.5	6.5	5.5	9	9	89	89	820745	804869	<0.2	1.6	1.6	1.6					
						6.9	0.2	187	25.7	25.7	8.1	8.1	28.9	28.9	94.4	94.3	6.5	6.5	5.5	9	9	89	89	820745	804869	<0.2	1.6	1.6	1.6					
					Bottom	1.0	0.1	207	26.7	26.																								

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA								
IM9	Cloudy	Moderate	17:16	7.7	Surface	1.0	0.4	147	26.7	26.7	8.1	8.1	26.1	26.2	100.4	100.4	7.0	6.9	3.7	4.5	6	6	84	88	88	822100	808822	<0.2	1.3	1.3									
						1.0	0.4	159	26.6	26.6	8.1	8.1	26.2	26.3	100.4	100.4	7.0	6.9	3.8	4.5	7	6	85	88				<0.2	1.4										
						3.9	0.3	124	26.6	26.6	8.2	8.2	26.4	26.3	97.3	97.5	6.7	6.6	4.0	4.1	7	7	88	88				<0.2	1.3										
					3.9	0.4	129	26.6	26.6	8.2	8.2	26.3	26.6	97.7	97.7	6.8	6.6	4.1	4.1	6	6	88	88	<0.2				1.3											
					6.7	0.4	84	25.8	25.9	8.2	8.2	28.6	28.6	95.8	95.8	6.6	6.6	5.8	5.9	7	7	90	91	<0.2				1.3											
					6.7	0.4	86	25.9	25.9	8.2	8.2	28.6	28.6	95.8	95.8	6.6	6.6	5.9	6.0	6	6	91	91	<0.2				1.3											
					1.0	0.4	120	26.9	26.9	8.2	8.2	26.0	26.0	103.2	103.2	7.1	6.8	3.2	3.2	7	7	84	85	<0.2				1.3											
					1.0	0.5	123	26.9	26.9	8.2	8.2	26.0	26.0	103.1	103.1	7.1	6.8	3.2	3.2	6	6	85	89	<0.2				1.3											
					3.9	0.5	125	26.6	26.6	8.2	8.2	26.6	26.6	94.0	94.5	6.5	6.5	3.7	4.0	6	7	89	89	<0.2				1.3											
3.9	0.5	128	26.5	26.6	8.2	8.2	26.5	26.6	94.9	94.9	6.6	6.6	4.0	4.0	7	7	89	89	<0.2	1.3																			
6.8	0.3	115	25.9	25.9	8.2	8.2	28.3	28.2	91.8	91.9	6.4	6.4	10.0	10.0	7	7	89	89	<0.2	1.4																			
6.8	0.3	116	25.9	25.9	8.2	8.2	28.1	28.2	92.0	92.0	6.4	6.4	9.7	9.7	8	8	90	90	<0.2	1.3																			
IM11	Cloudy	Moderate	17:32	8.6	Surface	1.0	0.6	134	26.6	26.6	8.2	8.2	26.5	26.5	98.4	98.4	6.8	6.4	4.1	7.5	9	8	84	89	88	822043	811453	<0.2	1.3	1.3									
						1.0	0.6	140	26.6	26.6	8.2	8.2	26.6	26.5	98.3	98.4	6.8	6.4	4.3	4.3	8	7	85	89				<0.2	1.3										
						4.3	0.5	121	25.9	25.9	8.2	8.2	27.8	27.8	86.8	86.7	6.0	6.0	7.9	8.5	7	8	89	90				<0.2	1.4										
					4.3	0.5	131	25.9	25.9	8.2	8.2	27.9	27.8	86.6	86.7	6.0	6.0	8.5	8.5	8	7	89	90	<0.2				1.3											
					7.6	0.4	116	25.9	25.9	8.1	8.1	27.9	27.9	86.7	86.8	6.0	6.0	10.3	10.2	7	6	89	90	<0.2				1.3											
					7.6	0.4	125	25.9	25.9	8.1	8.1	27.9	27.9	86.8	86.8	6.0	6.0	10.2	10.2	6	6	90	90	<0.2				1.3											
					1.0	0.4	102	26.5	26.5	8.2	8.2	26.8	26.9	95.6	95.6	6.6	6.4	4.4	4.6	6	6	85	84	<0.2				1.3											
					1.0	0.4	103	26.5	26.5	8.2	8.2	26.9	26.9	95.5	95.6	6.6	6.4	4.6	4.6	6	6	84	87	<0.2				1.5											
					5.0	0.4	98	26.0	26.0	8.2	8.2	27.7	27.8	89.9	89.7	6.2	6.2	8.1	8.5	6	6	87	88	<0.2				1.3											
5.0	0.5	104	25.9	26.0	8.2	8.2	27.9	27.8	89.4	89.4	6.2	6.2	8.5	8.5	6	6	88	89	<0.2	1.3																			
9.0	0.3	84	25.8	25.9	8.2	8.2	28.2	28.1	81.3	81.5	5.6	5.7	8.7	8.4	8	8	89	90	<0.2	1.3																			
9.0	0.3	89	25.9	25.9	8.2	8.2	28.0	28.1	81.6	81.6	5.7	5.7	8.4	8.4	8	8	90	90	<0.2	1.3																			
SR1A	Cloudy	Calm	17:56	5.0	Surface	1.0	-	-	26.3	26.3	8.1	8.1	27.0	27.1	94.2	94.0	6.5	6.5	4.0	4.8	8	7	-	-	-	819970	812657	-	-	-									
						1.0	-	-	26.2	26.2	8.1	8.1	27.2	27.1	93.7	94.0	6.5	6.5	4.3	4.3	7	7	-	-				-	-										
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-				
					2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-			
					4.0	-	-	25.8	25.8	8.1	8.1	28.2	28.2	82.0	82.3	5.7	5.7	5.5	5.5	7	7	-	-	-				-	-		-	-	-	-	-				
					4.0	-	-	25.8	25.8	8.1	8.1	28.2	28.2	82.5	82.3	5.7	5.7	5.5	5.5	6	6	-	-	-				-	-		-	-	-	-	-	-			
					1.0	0.4	71	26.3	26.3	8.2	8.2	27.2	27.3	92.8	92.7	6.4	6.4	4.1	4.1	9	8	85	85	<0.2				1.3	87		821442	814146	<0.2	1.3	1.3				
					1.0	0.4	76	26.2	26.2	8.2	8.2	27.4	27.3	92.5	92.7	6.4	6.4	4.1	4.1	8	10	-	-	-				-					-	-		-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-					-	-		-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
3.7	0.3	73	26.1	26.2	8.2	8.1	27.9	27.9	84.5	84.6	5.8	5.8	5.0	5.0	10	10	88	88	<0.2	1.3																			
3.7	0.3	79	26.3	26.2	8.1	8.1	27.6	27.6	84.7	84.7	5.8	5.8	4.9	4.9	11	11	88	88	<0.2	1.3																			
1.0	0.2	197	26.7	26.7	8.2	8.2	26.9	26.9	102.0	102.8	7.1	6.9	3.6	3.6	9	10	-	-	-	-	-	-	-	-	-	-	-												
1.0	0.2	197	26.6	26.7	8.2	8.2	26.1	26.0	102.7	102.8	7.1	6.9	3.7	3.7	10	10	-	-	-	-	-	-	-	-	-	-	-												
5.0	0.2	190	26.1	26.1	8.2	8.2	26.8	26.9	95.1	95.5	6.6	6.6	5.4	6.1	9	8	-	-	-	-	-	-	-	-	-	-	-												
5.0	0.2	207	26.0	26.1	8.2	8.2	26.9	26.9	95.8	95.5	6.7	6.7	6.1	6.1	8	8	-	-	-	-	-	-	-	-	-	-	-												
8.9	0.1	39	25.7	25.7	8.2	8.2	28.9	28.9	94.4	94.4	6.5	6.5	8.6	8.6	6	6	-	-	-	-	-	-	-	-	-	-	-												
8.9	0.1	38	25.8	25.8	8.2	8.2	28.9	28.9	94.0	94.2	6.5	6.5	8.9	8.9	6	6	-	-	-	-	-	-	-	-	-	-	-												
SR4A	Cloudy	Calm	18:12	9.1	Surface	1.0	0.1	56	26.7	26.7	8.2	8.2	28.4	28.5	121.9	121.8	8.3	7.9	2.8	5.2	7	9	-	-	-	817199	807814	-	-	-									
						1.0	0.1	56	26.7	26.7	8.2	8.2	28.5	28.5	121.7	121.8	8.3	7.9	2.9	2.9	7	7	-	-				-	-										
						4.6	0.0	30	26.2	26.2	8.1	8.1	28.8	28.8	107.2	107.2	7.4	7.4	4.3	4.3	8	8	-	-				-	-										
					4.6	0.0	31	26.2	26.2	8.1	8.1	28.8	28.8	107.2	107.2	7.4	7.4	4.2	4.2	8	8	-	-	-				-	-		-	-	-	-					
					8.1	0.1	122	25.4	25.4	8.1	8.1	29.5	29.5	85.8	85.9	6.0	6.0	8.4	8.4	10	10	-	-	-				-	-		-	-	-	-					
					8.1	0.1	126	25.4	25.4	8.1	8.1	29.5	29.5	85.9	85.9	6.0	6.0	8.4	8.4	10	10	-	-	-				-	-		-	-	-	-					
					1.0	0.1	118	27.0	27.0	8.1	8.1	27.3	27.3	109.6	109.6	7.5	7.5	3.0	3.0	7	7	-	-	-				-	-		-	-	-	-					
					1.0	0.1	122	27.0	27.0	8.1	8.1	27.3	27.3	109.6	109.6	7.5	7.5	3.1	3.1	7	7	-	-	-				-	-		-	-	-	-					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-		
2.4	0.0	82	26.6	26.7	8.1	8.1	27.9	27.9	104.9	105.0	7.2	7.2	5.6	5.6	8	8	-	-	-	-	-	-	-	-	-	-													
2.4	0.0	84	26.7	26.7	8.1	8.1	27.9	27.9	105.1	105.0	7.2	7.2	5.6	5.6	10	10	-	-	-	-	-	-	-	-	-	-													
SR6A	Cloudy	Calm	18:59	4.0	Surface	1.0	0.1	78	26.3	26.3	7.9	7.9	27.2	27.2	86.1	86.0	6.0	6.0	8.4	9.1	11	11	-	-	-	817940	814721	-	-	-									
						1.0																																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)												
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA									
C1	Cloudy	Moderate	06:37	8.4	Surface	1.0	0.1	21	25.9	8.1	8.1	27.1	27.1	94.6	94.7	6.6	6.6	2.4	6	83	86	<0.2	1.6	815626	804242	<0.2	1.4	1.6	1.4											
						1.0	0.1	22	25.8	8.1	8.1	27.1	27.1	94.7	94.7	6.6	6.6	2.5	5	83	86	<0.2	1.6																	
						4.2	0.1	85	25.5	8.1	8.1	29.6	29.6	93.8	93.7	6.5	6.5	3.6	6	85	85	<0.2	1.5																	
					Middle	4.2	0.1	91	25.5	8.1	8.1	29.6	29.6	93.5	93.5	6.5	6.5	3.6	6	85	85	<0.2	1.5																	
						7.4	0.1	178	25.3	8.1	8.1	29.8	29.8	89.8	89.8	6.2	6.2	7.2	7	89	88	<0.2	1.1																	
						7.4	0.1	178	25.3	8.1	8.1	29.8	29.8	89.9	89.9	6.2	6.2	7.1	6	88	88	<0.2	1.0																	
					C2	Cloudy	Moderate	06:47	12.1	Surface	1.0	0.1	308	26.5	8.3	8.3	23.3	23.3	89.8	89.8	6.3	6.3	3.5							6	86	86	<0.2	1.3	825704	806964	<0.2	1.3	1.3	1.4
											1.0	0.1	317	26.5	8.3	8.3	23.4	23.4	89.8	89.8	6.3	6.3	3.5							6	86	86	<0.2	1.3						
											6.1	0.1	330	26.1	8.3	8.3	26.7	26.8	84.0	84.0	5.9	5.9	3.8							7	88	89	<0.2	1.4						
Middle	6.1	0.2	351	26.1						8.3	8.3	26.9	26.9	83.9	83.9	5.9	5.9	3.8	6	89	89	<0.2	1.4																	
	11.1	0.2	258	25.6						8.3	8.3	28.3	28.3	76.7	76.9	5.3	5.4	8.8	8	89	89	<0.2	1.4																	
	11.1	0.2	267	25.6						8.3	8.3	28.3	28.3	77.0	76.9	5.4	5.4	8.7	7	90	90	<0.2	1.3																	
C3	Cloudy	Moderate	04:56	11.9						Surface	1.0	0.5	284	25.2	8.0	8.0	29.1	29.1	84.5	84.5	5.9	5.9	2.5	7	81	81	<0.2	1.4	822091	817826	<0.2	1.4	1.4	1.4						
											1.0	0.5	291	25.2	8.0	8.0	29.1	29.1	84.4	84.4	5.9	5.9	2.6	7	82	82	<0.2	1.4												
											6.0	0.4	277	24.6	8.0	8.0	31.0	31.0	77.7	77.8	5.4	5.4	3.3	10	84	84	<0.2	1.4												
					Middle	6.0	0.4	277	24.6	8.0	8.0	31.0	31.0	77.8	77.8	5.4	5.4	3.3	9	85	85	<0.2	1.4																	
						10.9	0.2	290	24.6	8.0	8.0	31.0	31.0	80.8	80.9	5.6	5.6	4.0	11	88	88	<0.2	1.5																	
						10.9	0.2	315	24.7	8.0	8.0	31.0	31.0	81.0	81.0	5.7	5.7	3.9	12	89	89	<0.2	1.4																	
					IM1	Cloudy	Moderate	06:58	5.0	Surface	1.0	0.1	83	25.7	8.1	8.1	27.5	27.5	88.3	88.3	6.2	6.2	2.8	5	84	84	<0.2	1.0							817962	807137	<0.2	1.0	1.0	1.0
											1.0	0.1	88	25.7	8.1	8.1	27.5	27.5	88.2	88.2	6.2	6.2	2.8	5	85	85	<0.2	1.0												
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Middle	4.0	0.1	229	25.5						8.1	8.1	28.9	28.9	84.4	84.4	5.9	5.9	3.3	4	87	87	<0.2	1.0																	
	4.0	0.1	230	25.5						8.1	8.1	28.8	28.8	84.3	84.3	5.9	5.9	3.3	6	86	86	<0.2	1.0																	
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
IM2	Cloudy	Moderate	07:05	7.1						Surface	1.0	0.1	22	25.7	8.1	8.1	27.6	27.6	89.3	89.3	6.2	6.2	2.9	5	83	83	<0.2	1.2	818153	806183	<0.2	1.1	1.1	1.1						
											1.0	0.1	22	25.7	8.1	8.1	27.6	27.6	89.2	89.2	6.2	6.2	2.9	4	82	82	<0.2	1.3												
											3.6	0.1	101	25.4	8.1	8.1	29.4	29.4	84.7	84.7	5.9	5.9	3.6	5	84	84	<0.2	1.1												
					Middle	3.6	0.1	101	25.4	8.1	8.1	29.4	29.4	84.6	84.6	5.9	5.9	3.5	5	84	84	<0.2	1.0																	
						6.1	0.0	143	25.1	8.1	8.1	29.9	29.9	82.1	82.2	5.7	5.7	5.0	5	87	87	<0.2	1.1																	
						6.1	0.0	146	25.1	8.1	8.1	29.9	29.9	82.2	82.2	5.7	5.7	5.0	5	88	88	<0.2	1.1																	
					IM3	Cloudy	Moderate	07:11	7.3	Surface	1.0	0.0	18	25.7	8.1	8.1	27.4	27.4	90.2	90.2	6.3	6.3	2.8	5	83	83	<0.2	1.1							818774	805592	<0.2	1.2	1.2	1.2
											1.0	0.0	19	25.7	8.1	8.1	27.4	27.4	90.1	90.1	6.3	6.3	2.8	6	82	82	<0.2	1.1												
											3.7	0.2	86	25.4	8.1	8.1	29.2	29.2	87.2	87.2	6.1	6.1	3.3	6	84	84	<0.2	1.1												
Middle	3.7	0.2	93	25.4						8.1	8.1	29.2	29.2	87.2	87.2	6.1	6.1	3.4	6	85	85	<0.2	1.2																	
	6.3	0.1	258	25.3						8.1	8.1	29.7	29.7	84.1	84.2	5.8	5.8	3.6	6	87	87	<0.2	1.2																	
	6.3	0.1	283	25.3						8.1	8.1	29.7	29.7	84.2	84.2	5.9	5.9	3.6	7	87	87	<0.2	1.3																	
IM4	Cloudy	Moderate	07:21	8.2						Surface	1.0	0.1	288	25.7	8.1	8.1	27.6	27.6	90.9	90.9	6.3	6.3	2.8	6	82	82	<0.2	1.1	819713	804621	<0.2	1.3	1.3	1.3						
											1.0	0.1	296	25.7	8.1	8.1	27.6	27.6	90.8	90.8	6.3	6.3	2.8	5	82	82	<0.2	1.1												
											4.1	0.1	350	25.4	8.1	8.1	29.2	29.2	85.6	85.6	6.0	6.0	3.3	6	84	84	<0.2	1.2												
					Middle	4.1	0.1	322	25.4	8.1	8.1	29.2	29.2	85.5	85.5	5.9	5.9	3.3	6	84	84	<0.2	1.2																	
						7.2	0.0	47	25.3	8.1	8.1	29.7	29.7	80.9	80.9	5.6	5.6	5.6	7	87	87	<0.2	1.7																	
						7.2	0.0	47	25.3	8.1	8.1	29.7	29.7	81.0	81.0	5.6	5.6	5.5	7	87	87	<0.2	1.6																	
					IM5	Cloudy	Moderate	07:28	7.6	Surface	1.0	0.1	312	26.2	8.1	8.1	25.4	25.5	89.9	89.9	6.3	6.3	2.6	6	82	82	<0.2	1.3							820731	804857	<0.2	1.3	1.3	1.3
											1.0	0.1	342	26.2	8.1	8.1	25.5	25.5	89.9	89.9	6.3	6.3	2.6	5	83	83	<0.2	1.2												
											3.8	0.2	67	25.4	8.1	8.1	29.3	29.3	83.4	83.4	5.8	5.8	3.9	5	84	84	<0.2	1.2												
Middle	3.8	0.2	73	25.4						8.1	8.1	29.3	29.3	83.3	83.4	5.8	5.8	3.9	6	85	85	<0.2	1.3																	
	6.6	0.1	61	25.3						8.1	8.1	29.6	29.6	81.4	81.4	5.7	5.7	6.4	4	87	87	<0.2	1.3																	
	6.6	0.1	62	25.3						8.1	8.1	29.6	29.6	81.5	81.5	5.7	5.7	6.3	4	88	88	<0.2	1.2																	
IM6	Cloudy	Moderate	07:37	7.2						Surface	1.0	0.1	270	26.5	8.1	8.1	24.4	24.4	90.6	90.6	6.4	6.4	2.5	5	82	82	<0.2	1.4	821082	805814	<0.2	1.5	1.5	1.5						
											1.0	0.1	277	26.5	8.1	8.1	24.4	24.4	90.5	90.5	6.3	6.3	2.5	4	81	81	<0.2	1.4												
											3.6	0.1	51	25.6	8.1	8.1	28.3	28.3	84.9	84.9	5.9	5.9	3.6	4	84	84	<0.2	1.4												
					Middle	3.6	0.1	53	25.6	8.1	8.1	28.3	28.3	84.8	84.8	5.9	5.9	3.6	5	84	84	<0.2	1.4																	
						6.2	0.3	76	25.4	8.1	8.1	29.4	29.4	82.8	82.8	5.8	5.8	4.7	7	87	87	<0.2	1.6																	
						6.2	0.3	80	25.4	8.1	8.1	29.4	29.4	82.8	82.8	5.8	5.8	4.7	6	88	88	<0.2	1.6																	
					IM7	Cloudy	Moderate	07:43	8.6	Surface	1.0	0.1	224	26.6	8.1	8.1	24.4	24.4	88.1	88.1	6.2	6.2	2.8	10	82	82	<0.2	1.6							821362	806822	<0.2	1.6	1.6	1.6
											1.0	0.1	242	26.6	8.1	8.1	24.4	24.4	88.0	88.0	6.2	6.2	2.8	10	82	82	<0.2	1.7												
											4.3	0.2	80	25.7	8.1	8.1	28.1	28.1	84.1	84.0	5.9	5.9	4.1	8	85	85	<0.2	1.6												
Middle	4.3	0.2	82	25.6						8.1	8.1	28.2	28.1	83.9	83.9	5.8	5.8	4.2	6	85	85	<0.2	1.6																	
	7.6	0.1	87	25.5						8.0	8.0	29.1	29.																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM9	Cloudy	Moderate	06:15	7.5	Surface	1.0	0.1	183	26.6	26.6	8.2	8.2	24.2	24.2	90.2	90.2	6.3	6.3	4.8	4	81	85	82	85	822083	808811	<0.2	1.3	1.4						
						1.0	0.2	194	26.6	8.2	8.2	24.2	24.2	90.2	90.2	6.3	6.3	4.8	5	82	86	84	88												
						3.8	0.1	126	26.5	8.2	8.2	24.7	24.8	90.0	89.9	6.3	6.2	5.0	6	84	89														
					Middle	3.8	0.1	133	26.4	8.3	8.3	24.8	24.8	89.7	89.7	6.3	6.2	5.3	5	84	89														
						6.5	0.3	74	25.9	8.3	8.3	27.8	27.8	88.6	88.8	6.2	6.2	7.9	6	89	89														
						6.5	0.3	77	26.0	8.3	8.3	27.8	27.8	89.0	88.8	6.2	6.2	7.9	6	89	89														
					IM10	Cloudy	Moderate	06:07	8.0	Surface	1.0	0.3	109	26.6	26.6	8.2	8.2	24.7	24.8	88.3	88.0	6.2	6.2	5.3	8	86	88	88		822364	809783	<0.2	1.3	1.3	
											1.0	0.3	115	26.5	8.2	8.2	25.0	26.4	87.7	85.1	6.1	6.0	5.2	8	86	89									
											4.0	0.2	113	26.2	8.2	8.2	26.4	26.4	85.1	85.1	5.9	5.9	5.4	6	89	90									
Middle	4.0	0.2	116	26.2						8.2	8.2	26.4	26.4	85.0	85.0	5.9	5.9	5.6	5	90	90														
	7.0	0.2	148	26.1						8.1	8.1	26.6	26.6	84.3	84.5	5.9	5.9	5.8	6	90	90														
	7.0	0.2	160	26.1						8.1	8.1	26.6	26.6	84.6	84.6	5.9	5.9	5.8	5	89	89														
IM11	Cloudy	Moderate	05:56	8.3						Surface	1.0	0.1	289	26.1	26.1	8.3	8.3	26.3	26.3	89.2	89.2	6.2	6.2	3.1	5	85	86	86	822040	811469	<0.2	1.4	1.4		
											1.0	0.1	299	26.1	8.3	8.3	26.3	26.3	89.1	89.1	6.2	6.2	3.1	4	86	85									
											4.2	0.1	224	26.0	8.3	8.3	26.9	26.9	86.9	86.9	6.1	6.1	3.2	4	85	85									
					Middle	4.2	0.1	244	26.0	8.3	8.3	26.9	26.9	86.9	86.9	6.1	6.1	3.2	5	85	88														
						7.3	0.2	173	25.8	8.3	8.3	27.6	27.5	85.0	85.5	5.9	6.0	4.7	6	88	89														
						7.3	0.2	188	25.8	8.3	8.3	27.5	27.5	85.9	85.9	5.9	6.0	4.7	5	89	89														
					IM12	Cloudy	Moderate	05:49	9.2	Surface	1.0	0.2	103	26.1	26.1	8.2	8.2	26.4	26.4	86.4	86.2	6.0	6.0	4.5	7	82	82	85	821448	812041	<0.2	1.3		1.4	
											1.0	0.3	104	26.1	8.2	8.2	26.5	26.4	85.9	86.2	6.0	5.9	4.5	8	82	85									
											4.6	0.1	140	25.9	8.2	8.2	27.3	27.3	83.3	83.3	5.8	5.8	3.8	5	85	86									
Middle	4.6	0.1	141	25.9						8.2	8.2	27.3	27.3	83.2	83.3	5.8	5.8	3.7	4	86	89														
	8.2	0.1	188	25.7						8.2	8.2	28.0	28.0	80.8	81.0	5.6	5.7	4.9	4	89	89														
	8.2	0.1	192	25.7						8.2	8.2	28.0	28.0	81.1	81.0	5.7	5.7	5.0	4	89	89														
SR1A	Cloudy	Calm	05:30	5.2						Surface	1.0	-	-	26.4	26.4	8.2	8.2	25.6	25.7	86.3	86.2	6.0	6.0	3.1	6	-	-	-	-	819982	812661	-	-		-
											1.0	-	-	26.4	26.4	8.2	8.2	25.7	25.7	86.0	86.0	6.0	6.0	3.1	6	-	-								
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
						4.2	-	-	26.3	26.3	8.2	8.2	26.3	26.3	86.7	86.9	6.0	6.1	4.1	6	-	-													
						4.2	-	-	26.2	26.3	8.2	8.2	26.3	26.3	87.0	86.9	6.1	6.1	4.2	6	-	-													
					SR2	Cloudy	Moderate	05:17	5.0	Surface	1.0	0.3	357	26.0	26.0	8.1	8.1	26.9	27.0	88.2	88.2	6.2	6.2	3.1	4	81	85	82	821460	814145	<0.2	1.4	1.4		
											1.0	0.3	328	25.9	8.1	8.1	27.1	27.0	88.1	88.1	6.1	6.2	3.2	4	82	88									
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Middle	4.0	0.3	354	25.6						8.1	8.1	28.2	28.2	83.9	84.1	5.9	5.9	4.1	5	88	89														
	4.0	0.3	328	25.6						8.1	8.1	28.2	28.2	84.3	84.1	5.9	5.9	4.2	5	88	89														
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-													
SR3	Cloudy	Moderate	06:27	9.3						Surface	1.0	0.1	155	26.7	26.7	8.2	8.2	23.7	23.8	89.4	89.4	6.3	6.3	3.8	6	-	-	-	-	822126	807552	-		-	-
											1.0	0.1	161	26.7	8.2	8.2	23.9	23.8	89.3	89.4	6.3	6.1	3.9	5	-	-									
											4.7	0.1	157	26.4	8.2	8.2	25.3	25.3	84.8	84.9	5.9	5.9	5.3	5	-	-									
					Middle	4.7	0.1	169	26.4	8.2	8.2	25.3	25.3	84.9	84.9	5.9	5.9	5.6	5	-	-														
						8.3	0.3	31	25.6	8.2	8.2	28.6	28.6	86.1	86.2	6.0	6.0	8.4	5	-	-														
						8.3	0.3	33	25.6	8.2	8.2	28.6	28.6	86.3	86.2	6.0	6.0	8.4	4	-	-														
					SR4A	Cloudy	Calm	06:15	9.2	Surface	1.0	0.4	75	25.6	25.6	8.1	8.1	28.0	28.0	87.5	87.5	6.1	6.0	3.0	4	-	-	-	-	817168	807793	-	-	-	
											1.0	0.4	75	25.6	8.1	8.1	28.0	28.0	87.4	87.4	6.1	6.0	3.0	3	-	-									
											4.6	0.3	78	25.4	8.1	8.1	29.4	29.3	83.6	83.6	5.8	5.8	4.3	4	-	-									
Middle	4.6	0.3	78	25.4						8.1	8.1	29.3	29.3	83.6	83.6	5.8	5.8	4.3	3	-	-														
	8.2	0.2	69	25.3						8.1	8.1	29.6	29.6	83.0	83.0	5.8	5.8	5.5	5	-	-														
	8.2	0.3	75	25.3						8.1	8.1	29.6	29.6	83.0	83.0	5.8	5.8	5.5	5	-	-														
SR5A	Cloudy	Calm	05:57	3.5						Surface	1.0	0.1	97	26.4	26.4	8.0	8.0	26.1	26.1	86.8	86.8	6.0	6.0	3.5	5	-	-	-	-	816576	810674	-	-		-
											1.0	0.1	98	26.4	8.0	8.0	26.1	26.1	86.7	86.8	6.0	6.0	3.6	4	-	-									
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
						2.5	0.1	159	26.3	8.1	8.1	26.3	26.4	85.9	85.9	6.0	6.0	3.7	5	-	-														
						2.5	0.1	165	26.3	8.1	8.1	26.4	26.4	85.8	85.8	6.0	6.0	3.7	5	-	-														
					SR6A	Cloudy	Calm	05:28	4.1	Surface	1.0	0.0	256	26.1	26.1	8.0	8.0	26.4	26.4	85.2	85.0	6.0	6.0	2.5	6	-	-	-	-	817964	814732	-	-	-	
											1.0	0.0	262	26.1	8.0	8.0	26.5	26.4	84.7	84.7	5.9	6.0	2.7	5	-	-									
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-													
	3.1	0.0	295	26.1						8.0	8.0	26.6	26.6	84.3	84.4	5.9	5.9	3.4	4	-	-														
	3.1	0.0	310	26.1						8.0	8.0	26.6	26.6	84.4	84.4	5.9	5.9	3.4	4	-	-														
SR7	Cloudy	Moderate	04:28	15.8						Surface	1.0	0.1	32	25.1	25.1	7.9	7.9	29.6	29.6	79.5	79.5	5.5	5.5	2.9	4	-	-	-	-	823643	823759	-	-		3.3
											1.0	0.1	32	25.1	7.9	7.9	29.6	29.6	79.4	79.4	5.5	5.5	2.9	4	-	-									
											7.9	0.1	21	24.5	8.0	8.0	31.1	31.1	76.1	76.1	5.3	5.3	3.3	5	-	-									
					Middle	7.9	0.1	21	24.5	8.0	8.0	31.1	31.1	76.1	76.1	5.3	5.3	3.4	5	-	-														
						14.8	0.1	71	24.3	8.0	8.0	31.6	31.6	75.4	75.5	5.3	5.3	3.7	5	-	-														
						14.8	0.1	77	24.3	8.0	8.0	31.6	31.6	75.5	75.5	5.3	5.3	3.8	5	-	-														
					SR8	Cloudy	Moderate	05:40	5.1	Surface	1.0	-	-	26.3	26.3	8.2	8.2	26.2	26.2	88.1	87.8	6.1	6.1	4.8	4	-	-	-	-	820433	811652	-	-	-	
											1.0	-	-	26.3	26.3	8.2	8.2	26.																	



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

Water Quality Monitoring

Water Quality Monitoring Results on 16 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	09:41	8.3	Surface	1.0	0.0	286	26.6	26.6	8.0	8.0	24.6	24.6	107.1	107.0	7.5	7.5	3.4	3.4	2	2	85	87	815638	804242	<0.2	<0.2	2.1	2.0					
						1.0	0.0	286	26.5	26.6	8.0	8.0	24.6	24.6	106.9	107.0	7.5	7.5	3.4	3.4	3	3	85	87			<0.2	<0.2	2.2	2.0					
					Middle	4.2	0.1	178	25.9	25.9	8.0	8.0	29.4	29.4	99.0	98.7	6.8	6.8	4.7	4.7	3	3	88	88			<0.2	<0.2	1.9	2.0					
						4.2	0.1	184	25.8	25.8	8.0	8.0	29.4	29.4	98.3	98.7	6.8	6.8	4.8	4.8	4	4	88	88			<0.2	<0.2	2.0	2.0					
					Bottom	7.3	0.1	209	25.8	25.8	8.0	8.0	29.6	29.6	93.7	93.8	6.5	6.5	8.0	8.0	5	5	89	89			<0.2	<0.2	2.1	2.0					
						7.3	0.1	220	25.8	25.8	8.0	8.0	29.6	29.6	93.7	93.7	6.5	6.5	8.1	8.1	4	4	89	89			<0.2	<0.2	1.9	2.0					
C2	Sunny	Moderate	10:41	12.1	Surface	1.0	0.4	194	27.5	27.5	8.2	8.2	18.7	18.7	109.3	109.0	7.8	7.8	4.8	4.8	4	4	86	89	825702	806924	<0.2	<0.2	2.2	2.2					
						1.0	0.4	204	27.4	27.5	8.2	8.2	18.7	18.7	108.7	109.0	7.8	7.8	4.9	4.9	5	5	88	89			<0.2	<0.2	2.1	2.2					
					Middle	6.1	0.3	188	26.8	26.8	8.3	8.3	25.4	25.4	90.3	90.3	6.3	6.3	5.2	5.2	5	5	89	88			<0.2	<0.2	2.1	2.2					
						6.1	0.4	196	26.8	26.8	8.3	8.3	25.4	25.4	90.3	90.3	6.3	6.3	5.4	5.4	4	4	88	88			<0.2	<0.2	2.2	2.1					
					Bottom	11.1	0.3	175	25.4	25.4	8.1	8.1	29.6	29.6	71.6	71.8	5.0	5.0	8.7	8.7	6	6	91	91			<0.2	<0.2	2.1	2.1					
						11.1	0.3	186	25.5	25.5	8.1	8.1	29.6	29.6	71.9	71.9	5.0	5.0	8.7	8.7	5	5	92	92			<0.2	<0.2	2.1	2.1					
C3	Sunny	Moderate	08:41	12.3	Surface	1.0	0.2	281	25.8	25.8	8.0	8.0	28.8	28.8	91.4	91.4	6.3	6.3	3.5	3.5	5	5	86	89	822100	817801	<0.2	<0.2	1.0	1.0					
						1.0	0.2	283	25.8	25.8	8.0	8.0	28.8	28.8	91.4	91.4	6.3	6.3	3.5	3.5	6	6	87	89			<0.2	<0.2	1.0	1.0					
					Middle	6.2	0.2	263	25.6	25.6	8.0	8.0	29.5	29.5	85.3	85.3	5.9	5.9	3.9	3.9	7	7	88	89			<0.2	<0.2	0.9	1.0					
						6.2	0.2	268	25.6	25.6	8.0	8.0	29.5	29.5	85.2	85.2	5.9	5.9	4.0	4.0	6	6	89	89			<0.2	<0.2	2.1	2.1					
					Bottom	11.3	0.1	274	25.1	25.1	8.0	8.0	30.6	30.6	79.7	79.8	5.5	5.5	5.3	5.3	6	6	90	90			<0.2	<0.2	1.1	1.0					
						11.3	0.2	281	25.1	25.1	8.0	8.0	30.6	30.6	79.8	79.8	5.5	5.5	5.4	5.4	6	6	91	91			<0.2	<0.2	1.0	1.0					
IM1	Fine	Moderate	10:03	4.9	Surface	1.0	0.1	221	27.0	27.0	8.0	8.0	25.0	25.1	104.6	104.5	7.3	7.3	5.6	5.6	2	2	84	86	817963	807145	<0.2	<0.2	1.9	1.8					
						1.0	0.1	236	26.9	26.9	8.0	8.0	25.2	25.1	104.3	104.3	7.2	7.2	6.1	6.1	2	2	84	86			<0.2	<0.2	1.8	1.8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
					Bottom	3.9	0.1	163	26.7	26.7	8.0	8.0	25.9	25.9	97.5	97.6	6.8	6.8	8.4	8.4	3	3	88	88			<0.2	<0.2	1.8	1.8					
						3.9	0.1	177	26.7	26.7	8.0	8.0	25.9	25.9	97.6	97.6	6.8	6.8	8.3	8.3	3	3	88	88			<0.2	<0.2	1.9	1.9					
IM2	Fine	Moderate	10:11	7.0	Surface	1.0	0.2	176	26.8	26.8	8.0	8.0	24.7	24.8	101.1	101.0	7.0	7.0	5.2	5.2	3	3	84	88	818180	806184	<0.2	<0.2	2.0	2.0					
						1.0	0.2	181	26.7	26.8	8.0	8.0	24.8	24.8	100.9	101.0	7.0	7.0	5.7	5.7	4	4	84	88			<0.2	<0.2	1.9	2.0					
					Middle	3.5	0.2	128	26.2	26.2	8.0	8.0	27.4	27.4	93.6	93.6	6.5	6.5	10.5	10.5	4	4	88	89			<0.2	<0.2	2.1	2.1					
						3.5	0.2	129	26.2	26.2	8.0	8.0	27.4	27.4	93.6	93.6	6.5	6.5	10.6	10.6	3	3	89	89			<0.2	<0.2	1.9	2.0					
					Bottom	6.0	0.1	94	26.2	26.2	8.0	8.0	27.5	27.5	94.6	94.8	6.6	6.6	12.8	12.8	3	3	90	90			<0.2	<0.2	2.0	2.0					
						6.0	0.1	99	26.2	26.2	8.0	8.0	27.5	27.5	94.9	94.9	6.6	6.6	12.9	12.9	3	3	90	90			<0.2	<0.2	2.0	2.0					
IM3	Fine	Moderate	10:18	7.1	Surface	1.0	0.2	183	27.4	27.4	8.0	8.0	23.2	23.2	106.7	106.7	7.4	7.4	3.5	3.5	5	5	85	88	818760	805577	<0.2	<0.2	2.1	2.2					
						1.0	0.2	193	27.3	27.4	8.0	8.0	23.2	23.2	106.6	106.7	7.4	7.4	3.7	3.7	4	4	85	88			<0.2	<0.2	2.2	2.2					
					Middle	3.6	0.2	143	26.4	26.4	7.9	7.9	26.7	26.7	97.3	95.7	6.8	6.8	6.9	6.9	5	5	88	89			<0.2	<0.2	2.2	2.2					
						3.6	0.2	145	26.3	26.3	7.9	7.9	26.8	26.7	94.1	95.7	6.5	6.5	7.3	7.3	6	6	89	89			<0.2	<0.2	2.2	2.2					
					Bottom	6.1	0.2	107	26.2	26.2	8.0	8.0	27.2	27.2	93.7	93.8	6.5	6.5	10.8	10.8	6	6	89	89			<0.2	<0.2	2.2	2.2					
						6.1	0.2	110	26.2	26.2	8.0	8.0	27.2	27.2	93.8	93.8	6.5	6.5	10.9	10.9	5	5	90	90			<0.2	<0.2	2.3	2.3					
IM4	Fine	Moderate	10:27	8.0	Surface	1.0	0.3	195	26.7	26.7	7.9	7.9	25.6	25.7	99.5	99.3	6.9	6.9	6.1	6.1	6	6	85	88	819735	804613	<0.2	<0.2	1.9	1.8					
						1.0	0.3	208	26.7	26.7	7.9	7.9	25.8	25.7	99.1	99.3	6.9	6.9	6.2	6.2	7	7	85	88			<0.2	<0.2	1.8	1.8					
					Middle	4.0	0.2	173	26.2	26.2	7.9	7.9	27.1	27.1	90.9	90.9	6.3	6.3	8.0	8.0	6	6	88	89			<0.2	<0.2	1.8	1.9					
						4.0	0.2	186	26.2	26.2	7.9	7.9	27.1	27.1	90.8	90.8	6.3	6.3	8.2	8.2	5	5	89	89			<0.2	<0.2	1.9	1.9					
					Bottom	7.0	0.1	107	26.2	26.2	7.9	7.9	27.4	27.4	91.4	91.5	6.3	6.3	9.3	9.3	5	5	90	90			<0.2	<0.2	1.9	1.8					
						7.0	0.1	113	26.2	26.2	7.9	7.9	27.4	27.4	91.5	91.5	6.4	6.4	9.3	9.3	4	4	90	90			<0.2	<0.2	1.8	1.8					
IM5	Fine	Moderate	10:36	7.3	Surface	1.0	0.3	228	26.9	26.9	7.9	7.9	24.7	24.7	98.7	98.7	6.9	6.9	6.3	6.3	4	4	84	88	820721	804880	<0.2	<0.2	2.1	2.0					
						1.0	0.3	238	26.9	26.9	7.9	7.9	24.7	24.7	98.7	98.7	6.9	6.9	6.4	6.4	5	5	85	89			<0.2	<0.2	2.0	2.0					
					Middle	3.7	0.2	193	26.6	26.6	7.9	7.9	25.9	25.9	94.5	94.5	6.6	6.6	7.4	7.4	6	6	89	89			<0.2	<0.2	2.0	2.0					
						3.7	0.2	202	26.6	26.6	7.9	7.9	25.9	25.9	94.5	94.5	6.6	6.6	7.4	7.4	5	5	89	89			<0.2	<0.2	2.1	2.1					
					Bottom	6.3	0.2	174	26.6	26.6	7.9	7.9	26.0	26.0	95.3	95.5	6.6	6.6	8.2	8.2	6	6	90	90			<0.2	<0.2	2.0	2.0					
						6.3	0.2	183	26.6	26.6	7.9	7.9	26.0	26.0	95.6	95.6	6.6	6.6	8.2	8.2	6	6	90	90			<0.2	<0.2	2.0	2.0					
IM6	Fine	Moderate	10:44	7.2	Surface	1.0	0.2	255	27.4	27.4	7.9	7.9	22.8	22.8	103.8	103.8	7.2	7.2	5.2	5.2	6	6	85	88											

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	10:10	7.6	Surface	1.0	0.1	22	27.7	27.7	8.1	8.1	20.6	20.6	105.4	105.4	7.4	7.4	5.1	4	87	87	88	88	822073	808804	<0.2	2.2	2.0	2.1		
						1.0	0.1	23	27.7	27.7	8.1	8.1	20.6	20.6	7.4	7.4	5.0	6	87	87	<0.2	2.0										
						3.8	0.1	78	27.4	27.4	8.1	8.1	22.8	22.9	100.1	100.0	7.0	5	88	88	<0.2	2.0										
					Middle	3.8	0.1	80	27.3	27.3	8.1	8.1	22.9	22.9	99.9	99.9	7.0	6	89	89	<0.2	2.0										
						6.6	0.1	65	27.1	27.1	8.1	8.1	24.8	24.7	91.8	91.8	6.4	6	91	91	<0.2	2.2										
						6.6	0.1	66	27.1	27.1	8.1	8.1	24.6	24.7	92.2	92.0	6.4	5	88	88	<0.2	2.0										
					Bottom	1.0	0.4	99	28.1	28.1	8.1	8.1	19.9	19.9	113.2	113.2	7.9	8	86	86	<0.2	1.9										
						1.0	0.4	107	28.1	28.1	8.1	8.1	19.9	19.9	113.1	113.2	7.9	7	87	87	<0.2	2.0										
						3.6	0.3	105	27.3	27.3	8.0	8.0	21.6	21.6	102.0	101.7	7.2	6	89	89	<0.2	2.0										
IM10	Sunny	Moderate	10:02	7.1	Surface	1.0	0.4	99	28.1	28.1	8.1	8.1	19.9	19.9	113.2	113.2	7.9	4.6	8	86	86	88	88	822374	809773	<0.2	1.9	2.0	2.0			
						1.0	0.4	107	28.1	28.1	8.1	8.1	19.9	19.9	113.1	113.2	7.9	4.6	7	87	87	<0.2	2.0									
						3.6	0.3	105	27.3	27.3	8.0	8.0	21.6	21.6	102.0	101.7	7.2	6	89	89	<0.2	2.0										
					Middle	3.6	0.4	115	27.2	27.2	8.0	8.0	21.6	21.6	101.4	101.4	7.1	7	88	88	<0.2	2.0										
						6.1	0.3	92	27.0	27.0	8.0	8.0	25.1	25.1	92.1	92.2	6.4	6	90	90	<0.2	1.9										
						6.1	0.3	96	27.0	27.0	8.0	8.0	25.1	25.1	92.3	92.2	6.4	6	91	91	<0.2	1.9										
					Bottom	1.0	0.6	120	27.9	27.9	8.1	8.1	21.1	21.1	115.3	115.0	8.1	5.1	7	87	87	<0.2	1.6									
						1.0	0.7	121	27.8	27.8	8.1	8.1	21.1	21.1	114.7	114.7	8.0	5.3	6	86	86	<0.2	1.6									
						3.8	0.5	104	27.0	27.0	8.0	8.0	25.0	25.1	95.0	94.8	6.6	5.8	6	88	88	<0.2	1.6									
IM11	Sunny	Moderate	09:49	7.5	Surface	3.8	0.5	107	26.9	26.9	8.0	8.0	25.2	25.1	94.6	94.6	6.6	5.7	5	88	88	88	88	822056	811474	<0.2	1.6	1.6	1.6			
						3.8	0.5	107	26.9	26.9	8.0	8.0	25.2	25.1	94.6	94.6	6.6	5.7	5	88	88	<0.2	1.6									
						6.5	0.2	81	26.7	26.7	8.0	8.0	26.2	26.2	93.8	94.0	6.5	5.5	5	90	90	<0.2	1.6									
					Middle	6.5	0.2	81	26.7	26.7	8.0	8.0	26.2	26.2	94.2	94.0	6.5	5.5	4	91	91	<0.2	1.6									
						1.0	0.5	108	27.7	27.7	7.9	7.9	22.1	22.1	100.6	100.5	7.0	6.4	6	87	87	<0.2	1.6									
						1.0	0.5	112	27.7	27.7	7.9	7.9	22.1	22.1	100.3	100.3	7.0	6.8	6	88	88	<0.2	1.7									
					Bottom	4.4	0.2	61	26.6	26.6	8.0	8.0	26.1	26.1	89.4	89.3	6.2	8.9	5	88	88	<0.2	1.6									
						4.4	0.2	63	26.6	26.6	8.0	8.0	26.2	26.1	89.1	89.3	6.2	9.0	6	89	89	<0.2	1.6									
						7.8	0.1	345	25.8	25.8	8.0	8.0	28.6	28.6	78.1	78.2	5.4	6.6	6	90	90	<0.2	1.6									
IM12	Sunny	Moderate	09:40	8.8	Surface	7.8	0.1	353	25.8	25.8	8.0	8.0	28.6	28.6	78.2	78.2	5.4	6.6	6	90	90	88	88	821456	812029	<0.2	1.6	1.6	1.6			
						7.8	0.1	353	25.8	25.8	8.0	8.0	28.6	28.6	78.2	78.2	5.4	6.6	4	91	91	<0.2	1.7									
						1.0	-	-	27.3	27.4	8.0	8.0	24.6	24.6	103.9	103.4	7.2	5.2	6	-	-	-	-									
					Middle	1.0	-	-	27.4	27.4	8.0	8.0	24.5	24.6	102.9	103.4	7.1	5.8	5	-	-	-	-									
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	-	-	-									
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	4.3	-	-	26.2	26.2	8.0	8.0	27.8	27.8	82.5	82.7	5.7	8.0	6	-	-	-	-									
						4.3	-	-	26.2	26.2	8.0	8.0	27.8	27.8	82.8	82.7	5.7	8.0	6	-	-	-	-									
						1.0	0.3	81	26.8	26.8	8.2	8.2	25.2	25.3	104.0	103.8	7.2	4.0	4	85	85	<0.2	1.8									
SR2	Sunny	Moderate	09:06	4.3	Surface	1.0	0.3	85	26.7	26.8	8.2	8.2	25.3	25.3	103.5	103.8	7.2	4.2	4	88	88	89	89	821440	814153	<0.2	1.6	1.7	1.7			
						1.0	0.3	85	26.7	26.8	8.2	8.2	25.3	25.3	103.5	103.8	7.2	4.2	4	88	88	<0.2	1.6									
						3.3	0.1	41	26.4	26.4	8.1	8.1	27.4	27.4	91.5	91.6	6.3	5.0	6	90	90	<0.2	1.7									
					Middle	3.3	0.1	42	26.4	26.4	8.1	8.1	27.4	27.4	91.7	91.7	6.3	5.0	5	92	92	<0.2	1.7									
						1.0	0.0	60	27.3	27.3	8.2	8.2	22.2	22.1	103.0	103.1	7.2	5.3	6	-	-	-	-									
						1.0	0.0	62	27.3	27.3	8.2	8.2	22.1	22.1	103.2	103.1	7.2	5.4	7	-	-	-	-									
					Bottom	4.6	0.1	208	26.9	26.9	8.2	8.2	24.9	25.0	94.2	94.1	6.5	6.8	5	-	-	-	-									
						4.6	0.1	217	26.9	26.9	8.2	8.2	25.1	25.0	94.0	94.1	6.5	6.9	6	-	-	-	-									
						8.1	0.2	211	26.9	26.9	8.2	8.2	25.4	25.3	86.2	86.5	6.0	7.5	5	-	-	-	-									
SR3	Sunny	Moderate	10:22	9.1	Surface	8.1	0.2	218	26.9	26.9	8.2	8.2	25.2	25.3	86.7	86.5	6.0	7.3	5	-	-	-	-	822142	807591	-	-	-	-			
						1.0	0.2	65	27.3	27.3	7.9	7.9	21.6	21.6	104.1	104.0	7.3	5.2	7	-	-	-	-									
						1.0	0.2	69	27.3	27.3	7.9	7.9	21.6	21.6	103.8	104.0	7.3	5.7	6	-	-	-	-									
					Middle	4.8	0.3	63	26.8	26.8	7.9	7.9	25.4	25.5	93.6	93.6	6.5	10.3	6	-	-	-	-									
						4.8	0.3	63	26.8	26.8	7.9	7.9	25.5	25.5	93.5	93.6	6.5	10.2	6	-	-	-	-									
						8.5	0.2	81	26.8	26.8	7.9	7.9	25.9	25.9	94.9	95.0	6.6	10.6	6	-	-	-	-									
					Bottom	8.5	0.2	81	26.8	26.8	7.9	7.9	25.8	25.9	95.1	95.0	6.6	10.6	6	-	-	-	-									
						1.0	0.1	94	27.3	27.3	7.9	7.9	24.0	24.0	108.1	108.1	7.5	4.3	7	-	-	-	-									
						1.0	0.1	100	27.3	27.3	7.9	7.9	24.0	24.0	108.1	108.1	7.5	4.2	7	-	-	-	-									
SR4A	Fine	Calm	09:20	9.5	Surface	2.9	0.0	43	27.2	27.2	7.9	7.9	24.8	24.8	106.4	106.2	7.4	6.3	9	-	-	-	-	817185	807792	-	-	-	-			
						2.9	0.0	46	27.2	27.2	7.9	7.9	24.8	24.8	106.0	106.2	7.3	6.5	9	-	-	-	-									
						1.0	0.1	133	26.9	26.9	7.9	7.9	25.8	25.9	99.9	99.9	6.9	3.9	6	-	-	-	-									
					Middle	1.0	0.1	138	26.9	26.9	7.9	7.9	25.9	25.9	99.8	99.8	6.9	4.1	6	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	4.1	6	-	-			-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	4.1	6	-			-	-	-				
					Bottom	3.8	0.0	211	26.7	26.8	7.9	7.9	26.5	26.5	93.5	93.5	6.5	5.1	4	-	-	-	-									
						3.8	0.0	217	26.8	26.8	7.9	7.9	26.5	26.5	93.5	93.5	6.5	5.3	5	-	-	-	-									
						1.0	0.1	190	25.5	25.5	8.0	8.0	29.7	29.7	82.9	82.9	5.7	3.1	4	-	-	-	-									
SR5A	Fine	Calm	09:01	3.9	Surface	1.0	0.1	94	27.3	27.3	7.9	7.9	24.0	24.0	108.1	108.1	7.5	4.3	7	-	-	-	-									

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	13:55	8.8	Surface	1.0	0.1	63	27.4	27.4	8.0	8.0	24.2	24.2	121.1	121.0	8.4	7.6	3.8	6.1	4	5	84	87	815625	804233	<0.2	1.5	<0.2	1.5					
						1.0	0.1	65	27.4	8.0	8.0	24.1	24.1	120.9	120.9	8.4	7.6	3.9	6.1	5	5	84	88	815625	804233	<0.2	1.4	<0.2	1.4						
						4.4	0.0	6	26.1	7.9	7.9	28.2	28.1	96.4	96.8	6.7	6.1	4.8	6.1	5	5	88	88	815625	804233	<0.2	1.5	<0.2	1.5						
					Middle	4.4	0.0	6	26.2	7.9	7.9	28.1	28.1	97.1	97.1	6.7	6.1	4.7	6.1	6	6	88	88	815625	804233	<0.2	1.5	<0.2	1.5						
						7.8	0.2	31	25.9	8.0	8.0	29.6	29.6	91.4	91.4	6.3	6.3	9.7	6.3	6	6	90	90	815625	804233	<0.2	1.5	<0.2	1.5						
						7.8	0.2	34	25.9	8.0	8.0	29.5	29.6	92.0	91.7	6.3	6.3	9.5	6.3	5	5	89	89	815625	804233	<0.2	1.4	<0.2	1.4						
					C2	Sunny	Moderate	12:48	12.1	Surface	1.0	0.2	185	28.7	28.7	8.0	8.1	20.7	20.7	118.8	117.0	8.2	7.1	4.7	6.1	7	7	87	88	825671	806926	<0.2	1.5	<0.2	1.5
											1.0	0.2	200	28.7	8.1	8.1	20.7	20.7	117.0	117.0	8.1	7.1	4.7	6.1	8	8	88	88	825671	806926	<0.2	1.6	<0.2	1.6	
											6.1	0.2	210	26.2	8.1	8.1	26.5	26.6	87.0	86.4	6.1	6.1	5.6	6.1	7	7	87	87	825671	806926	<0.2	1.6	<0.2	1.6	
Middle	6.1	0.2	227	26.0						8.2	8.2	26.6	26.6	95.7	95.7	6.0	6.0	6.3	6.0	7	7	87	87	825671	806926	<0.2	1.6	<0.2	1.6						
	11.1	0.1	208	25.6						8.2	8.2	29.1	29.0	74.2	74.2	5.1	5.1	7.9	5.1	7	7	90	90	825671	806926	<0.2	1.6	<0.2	1.6						
	11.1	0.1	214	25.7						8.2	8.2	28.9	29.0	74.4	74.3	5.2	5.2	7.6	5.2	8	8	90	90	825671	806926	<0.2	1.6	<0.2	1.6						
C3	Sunny	Moderate	14:28	12.6						Surface	1.0	0.2	270	28.0	28.0	8.1	8.1	24.0	23.9	131.7	131.5	9.0	7.8	4.1	4.0	6	6	86	88	822104	817779	<0.2	1.9	<0.2	1.9
											1.0	0.2	294	28.0	8.1	8.1	23.9	23.9	131.2	131.2	9.0	7.8	3.9	4.0	7	7	86	86	822104	817779	<0.2	1.8	<0.2	1.8	
											6.3	0.3	242	25.8	8.2	8.2	28.9	29.1	96.7	96.4	6.7	6.7	3.8	6.7	5	5	88	88	822104	817779	<0.2	1.9	<0.2	1.9	
					Middle	6.3	0.3	265	25.7	8.2	8.2	29.2	29.1	96.0	96.4	6.6	6.6	3.9	6.6	6	6	87	87	822104	817779	<0.2	1.8	<0.2	1.8						
						11.6	0.4	274	25.2	8.2	8.2	30.5	30.3	81.6	81.8	5.7	5.7	4.3	5.7	7	7	90	90	822104	817779	<0.2	1.9	<0.2	1.9						
						11.6	0.4	292	25.4	8.2	8.2	30.2	30.3	81.9	81.9	5.7	5.7	4.3	5.7	6	6	91	91	822104	817779	<0.2	1.9	<0.2	1.9						
					IM1	Fine	Moderate	13:34	5.0	Surface	1.0	0.1	355	26.9	26.9	7.9	7.9	26.2	26.3	106.1	105.9	7.3	7.3	8.9	10.9	4	4	84	86	817944	807115	<0.2	2.1	<0.2	2.1
											1.0	0.1	327	26.8	7.9	7.9	26.4	26.3	105.7	105.7	7.3	7.3	9.4	10.9	5	4	85	85	817944	807115	<0.2	2.0	<0.2	2.0	
											-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	-	-	-	-	-	-	-	86	817944	807115	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	86	817944	807115	<0.2	2.0	<0.2	2.0		
	4.0	0.1	7	26.3						26.3	8.0	8.0	27.3	27.3	94.4	94.6	6.5	6.6	12.8	6.6	3	4	88	88	817944	807115	<0.2	2.0	<0.2	2.0					
	4.0	0.1	7	26.3						26.3	8.0	8.0	27.3	27.3	94.8	94.6	6.6	6.6	12.7	6.6	2	4	88	88	817944	807115	<0.2	2.0	<0.2	2.0					
IM2	Fine	Moderate	13:27	6.9						Surface	1.0	0.1	298	26.9	26.9	7.9	7.9	25.6	25.7	112.1	111.8	7.8	7.2	5.0	9.4	3	4	85	88	818148	806188	<0.2	1.8	<0.2	1.8
											1.0	0.1	312	26.8	26.9	7.9	7.9	25.8	25.7	111.5	111.8	7.7	7.2	5.2	9.4	3	4	85	88	818148	806188	<0.2	1.8	<0.2	1.8
											3.5	0.1	89	26.3	26.3	7.9	7.9	27.4	27.5	95.8	95.9	6.6	6.6	9.9	6.6	4	4	88	88	818148	806188	<0.2	1.9	<0.2	1.9
					Middle	3.5	0.1	97	26.2	26.3	7.9	7.9	27.6	27.5	95.9	95.9	6.6	6.6	9.9	6.6	3	4	88	88	818148	806188	<0.2	1.8	<0.2	1.8					
						5.9	0.1	13	26.2	26.2	8.0	8.0	28.2	28.2	97.3	97.4	6.7	6.7	13.5	6.7	4	4	89	89	818148	806188	<0.2	2.0	<0.2	2.0					
						5.9	0.1	13	26.2	26.2	8.0	8.0	28.2	28.2	97.4	97.4	6.7	6.7	13.4	6.7	4	4	90	90	818148	806188	<0.2	2.0	<0.2	2.0					
					IM3	Fine	Moderate	13:20	7.0	Surface	1.0	0.1	269	26.9	26.9	8.0	8.0	23.7	23.7	113.4	112.6	7.9	7.1	6.0	7.8	3	3	86	87	818780	805602	<0.2	2.0	<0.2	2.0
											1.0	0.1	282	26.9	26.9	8.0	8.0	23.8	23.7	111.8	112.6	7.8	7.1	6.2	7.8	3	3	87	87	818780	805602	<0.2	1.9	<0.2	1.9
											3.5	0.1	174	26.4	26.4	7.9	7.9	26.4	26.5	91.5	91.3	6.4	6.4	7.9	6.4	3	3	89	89	818780	805602	<0.2	2.0	<0.2	2.0
Middle	3.5	0.1	189	26.3						26.4	7.9	7.9	26.5	26.5	91.1	91.3	6.3	6.3	8.0	6.3	4	3	89	89	818780	805602	<0.2	2.0	<0.2	2.0					
	6.0	0.2	30	26.0						26.0	7.9	7.9	28.5	28.5	90.9	91.2	6.3	6.3	9.6	6.3	3	3	90	90	818780	805602	<0.2	1.9	<0.2	1.9					
	6.0	0.2	31	26.0						26.0	7.9	7.9	28.5	28.5	91.4	91.2	6.3	6.3	8.9	6.3	4	4	90	90	818780	805602	<0.2	1.9	<0.2	1.9					
IM4	Fine	Moderate	13:11	8.2						Surface	1.0	0.1	306	27.9	27.9	8.0	8.0	22.8	22.8	115.6	112.9	8.0	7.1	5.8	7.4	5	4	85	85	819703	804592	<0.2	1.8	<0.2	1.8
											1.0	0.1	308	27.8	27.9	8.0	8.0	22.8	22.8	110.2	112.9	7.6	7.1	6.2	7.4	4	4	85	85	819703	804592	<0.2	1.8	<0.2	1.8
											4.1	0.1	210	26.5	26.5	7.9	7.9	26.3	26.3	92.8	92.7	6.4	6.4	8.2	6.4	5	4	88	88	819703	804592	<0.2	1.8	<0.2	1.8
					Middle	4.1	0.1	217	26.5	26.5	7.9	7.9	26.4	26.3	92.6	92.7	6.4	6.4	8.3	6.4	4	4	89	89	819703	804592	<0.2	1.8	<0.2	1.8					
						7.2	0.2	53	26.3	26.3	7.9	7.9	27.0	27.0	93.1	93.2	6.5	6.5	8.0	6.5	4	4	90	90	819703	804592	<0.2	1.9	<0.2	1.9					
						7.2	0.2	53	26.3	26.3	7.9	7.9	27.0	27.0	93.3	93.2	6.5	6.5	7.6	6.5	4	4	89	89	819703	804592	<0.2	1.8	<0.2	1.8					
					IM5	Fine	Moderate	13:01	7.3	Surface	1.0	0.1	288	27.7	27.7	7.9	7.9	23.7	23.6	105.9	105.9	7.3	7.1	6.0	6.2	4	4	85	84	820737	804873	<0.2	2.2	<0.2	2.2
											1.0	0.1	289	27.7	27.7	7.9	7.9	23.6	23.6	105.8	105.9	7.3	7.1	6.0	6.2	4	4	84	84	820737	804873	<0.2	2.2	<0.2	2.2
											3.7	0.2	241	26.8	26.8	7.9	7.9	25.7	25.7	99.1	99.2	6.9	6.9	6.2	6.9	4	4	87	87	820737	804873	<0.2	2.1	<0.2	2.1
Middle	3.7	0.2	258	26.8						26.8	7.9	7.9	25.8	25.7	99.3	99.2	6.9	6.9	6.3	6.9	4	4	87	87	820737	804873	<0.2	2.1	<0.2	2.1					
	6.3	0.1	180	26.8						26.8																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Sunny	Moderate	13:16	7.3	Surface	1.0	0.3	341	27.7	27.7	8.1	8.1	22.5	22.5	110.9	110.9	7.7	7.7	8.1	7.1	5	4	86	88	822107	808828	<0.2	2.3	<0.2	2.3						
						1.0	0.3	314	27.6	8.1	8.1	22.6	22.6	110.9	110.9	7.7	7.7	8.2	7.1	4	4	87	88	<0.2			2.3									
					Middle	3.7	0.0	342	27.2	8.1	8.1	24.1	24.2	102.4	102.4	7.1	7.1	7.3	7.1	3	3	88	88	<0.2			2.3									
						3.7	0.0	347	27.2	8.1	8.1	24.2	24.2	102.4	102.4	7.1	7.1	7.3	7.1	3	3	88	88	<0.2			2.3									
					Bottom	6.3	0.1	179	27.1	8.1	8.1	24.7	24.7	98.7	99.0	6.8	6.8	5.8	5.8	3	3	90	91	<0.2			2.2									
						6.3	0.1	191	27.1	8.1	8.1	24.7	24.7	99.2	99.2	6.9	6.9	5.9	5.9	3	3	91	91	<0.2			2.2									
IM10	Sunny	Moderate	13:23	7.0	Surface	1.0	0.1	8	28.1	28.1	8.0	8.0	22.2	22.2	117.2	117.3	8.1	8.1	5.9	5.9	3	3	87	88	822383	809812	<0.2	2.3	<0.2	2.3						
						1.0	0.1	8	28.1	28.1	8.0	8.0	22.2	22.2	117.4	117.3	8.1	8.1	5.7	5.7	3	3	87	88			<0.2	2.4								
					Middle	3.5	0.1	54	27.1	27.1	8.0	8.0	24.6	24.6	105.6	105.1	7.3	7.3	5.2	5.2	3	3	88	88			<0.2	2.3								
						3.5	0.1	56	27.1	27.1	8.0	8.0	24.7	24.7	104.6	104.6	7.3	7.3	5.2	5.2	3	3	88	88			<0.2	2.3								
					Bottom	6.0	0.0	54	27.0	27.0	8.0	8.0	25.1	25.1	96.2	96.2	6.7	6.7	5.3	5.3	4	4	90	90			<0.2	2.2								
						6.0	0.0	57	27.0	27.0	8.0	8.0	25.1	25.1	96.1	96.1	6.7	6.7	5.4	5.4	4	4	90	90			<0.2	2.3								
IM11	Sunny	Moderate	13:32	8.3	Surface	1.0	0.2	66	27.7	27.7	8.1	8.1	22.8	22.9	116.6	116.5	8.1	8.1	5.5	5.5	7	6	87	86	822063	811438	<0.2	2.2	<0.2	2.2						
						1.0	0.2	71	27.6	27.6	8.1	8.1	23.0	22.9	116.3	116.5	8.1	8.1	5.5	5.5	6	6	86	86			<0.2	2.2								
					Middle	4.2	0.1	41	27.2	27.2	8.0	8.0	24.2	24.2	102.0	101.7	7.1	7.1	7.7	7.7	6	6	88	89			<0.2	2.2								
						4.2	0.1	44	27.2	27.2	8.0	8.0	24.2	24.2	101.3	101.7	7.0	7.0	8.1	8.1	5	5	89	90			<0.2	2.2								
					Bottom	7.3	0.0	311	26.3	26.3	8.1	8.1	27.8	27.7	82.7	84.3	5.7	5.7	9.3	9.3	5	5	90	91			<0.2	2.3								
						7.3	0.0	325	26.3	26.3	8.1	8.1	27.7	27.7	85.9	85.9	5.9	5.9	9.2	9.2	6	6	91	91			<0.2	2.2								
IM12	Sunny	Moderate	13:38	8.6	Surface	1.0	0.0	349	28.0	28.0	8.1	8.1	21.9	21.8	120.7	120.4	8.4	8.4	6.1	6.1	5	5	87	88	821465	812061	<0.2	2.0	<0.2	2.0						
						1.0	0.0	321	28.0	28.0	8.1	8.1	21.8	21.8	120.0	120.0	8.3	8.3	6.1	6.1	5	5	88	89			<0.2	2.1								
					Middle	4.3	0.1	304	26.6	26.6	8.1	8.1	26.5	26.6	90.9	90.8	6.3	6.3	5.8	5.8	4	4	89	88			<0.2	2.0								
						4.3	0.1	325	26.5	26.5	8.1	8.1	26.7	26.6	90.7	90.8	6.3	6.3	5.9	5.9	5	5	88	91			<0.2	2.0								
					Bottom	7.6	0.2	279	26.4	26.4	8.1	8.1	27.0	27.1	90.0	89.9	6.2	6.2	5.9	5.9	5	5	91	90			<0.2	2.0								
						7.6	0.2	296	26.4	26.4	8.1	8.1	27.1	27.1	89.8	89.8	6.2	6.2	5.9	5.9	5	5	90	90			<0.2	1.9								
SR1A	Sunny	Moderate	13:54	5.2	Surface	1.0	-	-	28.3	28.3	8.1	8.1	22.4	22.5	132.3	132.3	9.1	9.1	5.0	5.0	6	6	-	-	819976	812663	-	-	-	-						
						1.0	-	-	28.3	28.3	8.1	8.1	22.6	22.5	132.3	132.3	9.1	9.1	5.0	5.0	6	6	-	-												
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
					Bottom	4.2	-	-	27.9	27.9	8.0	8.0	23.4	23.4	121.7	121.4	8.4	8.4	4.9	4.9	6	6	-	-			-	-								
						4.2	-	-	27.9	27.9	8.0	8.0	23.4	23.4	121.0	121.4	8.3	8.3	5.0	5.0	6	6	-	-			-	-								
SR2	Sunny	Moderate	14:06	4.7	Surface	1.0	0.0	122	28.7	28.8	8.2	8.2	21.5	21.5	126.8	125.7	8.7	8.7	6.0	6.0	3	3	88	87	821486	814153	<0.2	1.8	<0.2	1.8						
						1.0	0.0	131	28.8	28.8	8.2	8.2	21.5	21.5	124.5	124.5	8.5	8.5	6.2	6.2	2	2	87	87			<0.2	1.8								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
					Bottom	3.7	0.1	345	26.8	26.8	8.1	8.1	26.3	26.3	97.4	97.4	6.7	6.7	6.7	6.7	3	3	90	91			<0.2	1.8								
						3.7	0.1	317	26.8	26.8	8.1	8.1	26.3	26.3	97.4	97.4	6.7	6.7	6.7	6.7	3	3	91	91			<0.2	1.8								
SR3	Sunny	Moderate	13:05	9.4	Surface	1.0	0.1	265	27.4	27.4	8.0	8.0	22.5	22.5	113.8	113.4	7.9	7.9	5.4	5.4	4	4	-	-	822143	807563	-	-	-	-						
						1.0	0.1	266	27.3	27.3	8.0	8.0	22.5	22.5	112.9	113.4	7.9	7.9	5.6	5.6	4	4	-	-												
					Middle	4.7	0.1	217	26.9	26.9	8.0	8.0	25.2	25.1	94.8	95.1	6.6	6.6	6.2	6.2	4	4	-	-												
						4.7	0.1	225	26.9	26.9	8.0	8.0	25.1	25.1	95.4	95.1	6.6	6.6	6.3	6.3	4	4	-	-												
					Bottom	8.4	0.1	253	26.6	26.6	8.0	8.0	26.5	26.5	87.9	88.1	6.1	6.1	7.9	7.9	4	4	-	-												
						8.4	0.1	277	26.6	26.6	8.0	8.0	26.5	26.5	88.2	88.1	6.1	6.1	7.6	7.6	4	4	-	-												
SR4A	Fine	Moderate	14:17	9.1	Surface	1.0	0.1	252	27.6	27.6	7.9	7.9	23.5	23.5	111.9	111.5	7.7	7.7	5.7	5.7	4	4	-	-	817201	807791	-	-	-	-						
						1.0	0.1	276	27.6	27.6	7.9	7.9	23.5	23.5	111.0	111.5	7.7	7.7	6.0	6.0	5	5	-	-												
					Middle	4.6	0.1	90	26.3	26.3	7.9	7.9	27.6	27.6	95.8	95.9	6.6	6.6	8.5	8.5	4	4	-	-												
						4.6	0.1	95	26.3	26.3	7.9	7.9	27.6	27.6	95.9	95.9	6.6	6.6	8.6	8.6	6	6	-	-												
					Bottom	8.1	0.1	66	26.3	26.4	8.0	8.0	27.5	27.5	96.5	96.6	6.7	6.7	8.6	8.6	7	7	-	-												
						8.1	0.1	66	26.4	26.4	8.0	8.0	27.4	27.5	96.7	96.6	6.7	6.7	8.3	8.3	6	6	-	-												
SR5A	Fine	Calm	14:35	4.3	Surface	1.0	0.1	174	27.6	27.6	8.1	8.1	23.7	23.7	128.8	127.8	8.9	8.9	4.7	4.7	6	6	-	-	816587	810674	-	-	-	-						
						1.0	0.1	174	27.5	27.5	8.1	8.1	23.7	23.7	126.8	127.8	8.8	8.8	5.0	5.0	6	6	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	
					Bottom	3.3	0.1	268	27.1	27.1	8.0	8.0	26.0	26.0	106.7	106.8	7.3	7.4	5.4	5.4	5	5	-	-												
						3.3	0.1	290	27.1	27.1	8.0	8.0	25.9	26.0	106.9	106.8	7.4	7.4	5.5	5.5	5	5	-	-												
SR6A	Fine	Calm	15:04	5.1	Surface	1.0	0.0	173	28.0	28.0	8.0	8.0	24.2	24.3	131.8	129.8	8.7	8.9	5.4	5.4	8	8	-	-	8179											

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	11:36	8.2	Surface	1.0	0.4	218	27.0	27.0	8.0	8.0	23.6	23.6	82.1	81.8	5.7	5.7	4.4	6.0	10	7	84	89	815633	804264	<0.2	1.6	1.6	1.6			
						1.0	0.4	227	27.0	8.0	8.0	23.6	23.6	81.4	81.8	5.7	5.7	4.7	6.0	8	7	85	89	<0.2	1.6	1.6	1.6						
					Middle	4.1	0.5	189	25.6	25.6	7.9	7.9	23.9	23.9	68.4	68.5	4.7	6.0	6.1	7	89	7	90	89	<0.2	1.6	1.6	1.6					
						4.1	0.5	192	25.6	25.6	7.9	7.9	23.9	23.9	68.5	68.5	4.7	6.0	6.6	7	89	7	89	89	<0.2	1.6	1.6	1.6					
					Bottom	7.2	0.4	202	25.4	25.5	7.9	7.9	30.9	30.9	70.7	71.0	4.9	4.9	6.9	5	93	5	7	7	93	89	<0.2	1.5	1.5	1.5			
						7.2	0.4	207	25.5	25.5	7.9	7.9	30.9	30.9	71.2	71.2	4.9	4.9	6.9	5	93	5	7	7	93	89	<0.2	1.4	1.4	1.4			
C2	Cloudy	Moderate	12:49	11.5	Surface	1.0	0.8	182	27.7	27.7	8.1	8.1	19.7	19.7	90.7	90.7	6.4	6.4	6.4	5.9	6	5	86	88	825654	806941	<0.2	1.6	1.6	1.6			
						1.0	0.8	187	27.6	27.6	8.1	8.1	19.7	19.7	90.6	90.6	6.4	6.4	6.4	6	87	6	87	88	<0.2	1.6	1.6	1.6					
					Middle	5.8	0.5	190	26.8	26.8	8.1	8.1	25.2	25.2	81.9	81.8	5.7	6.1	4.6	7	88	7	88	88	<0.2	1.4	1.4	1.4					
						5.8	0.5	206	26.8	26.8	8.1	8.1	25.2	25.2	81.7	81.7	5.7	6.1	4.6	7	87	7	87	88	<0.2	1.4	1.4	1.4					
					Bottom	10.5	0.3	172	26.5	26.5	8.1	8.1	26.8	26.8	81.0	81.1	5.6	5.6	6.5	10	90	10	7	7	90	88	<0.2	1.6	1.6	1.6			
						10.5	0.4	182	26.5	26.5	8.0	8.0	26.8	26.8	81.2	81.2	5.6	5.6	6.4	9	90	9	7	7	90	88	<0.2	1.6	1.6	1.6			
C3	Cloudy	Moderate	10:34	12.3	Surface	1.0	0.4	66	27.6	27.6	8.2	8.2	22.7	22.7	97.6	97.6	6.8	6.8	2.4	3.3	4	4	86	88	822117	817819	<0.2	1.3	1.3	1.3			
						1.0	0.4	68	27.6	27.6	8.2	8.2	22.7	22.7	97.5	97.5	6.8	6.8	2.4	3	86	3	86	88	<0.2	1.3	1.3	1.3					
					Middle	6.2	0.1	145	26.1	26.1	8.1	8.1	27.7	27.7	85.3	85.3	5.9	6.4	2.5	4	88	4	88	88	<0.2	1.1	1.1	1.1					
						6.2	0.1	155	26.1	26.1	8.1	8.1	27.7	27.7	85.3	85.3	5.9	6.4	2.5	5	89	5	89	88	<0.2	1.0	1.0	1.0					
					Bottom	11.3	0.2	21	25.5	25.5	8.1	8.1	29.8	29.8	79.2	79.3	5.5	5.5	5.0	5	91	5	91	88	<0.2	1.0	1.0	1.0					
						11.3	0.2	22	25.5	25.5	8.1	8.1	29.8	29.8	79.4	79.3	5.5	5.5	5.0	5	90	5	90	88	<0.2	1.0	1.0	1.0					
IM1	Fine	Moderate	11:59	4.5	Surface	1.0	0.1	230	26.3	26.2	7.9	7.9	25.8	25.9	76.1	75.8	5.3	5.3	8.0	8.6	6	7	86	90	817933	807120	<0.2	1.2	1.2	1.2			
						1.0	0.1	248	26.1	26.1	7.9	7.9	26.0	25.9	75.4	75.8	5.3	5.3	8.2	7	87	7	87	90	<0.2	1.1	1.1	1.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	7	-	90	817933	807120	<0.2	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	90	817933	807120	<0.2	-	-
					Bottom	3.5	0.0	113	25.9	25.9	7.9	7.9	29.2	29.2	71.2	71.4	4.9	4.9	9.1	6	92	6	6	6	92	89	<0.2	1.2	1.2	1.2			
						3.5	0.0	122	25.8	25.8	7.9	7.9	29.3	29.2	71.5	71.4	4.9	4.9	9.1	7	93	7	93	89	<0.2	1.2	1.2	1.2					
IM2	Fine	Moderate	12:07	6.7	Surface	1.0	0.1	152	27.5	27.5	8.0	8.0	22.5	22.1	86.6	85.9	6.1	6.1	4.7	7.3	9	7	85	89	818175	806145	<0.2	1.3	1.3	1.3			
						1.0	0.1	164	27.4	27.4	8.0	8.0	21.8	22.1	85.1	85.9	6.0	5.4	5.3	8	86	8	86	89	<0.2	1.2	1.2	1.2					
					Middle	3.4	0.3	126	26.0	26.0	7.9	7.9	28.7	28.8	69.6	69.6	4.8	5.4	7.2	6	89	6	6	6	89	89	<0.2	1.3	1.3	1.3			
						3.4	0.3	128	25.9	25.9	7.9	7.9	28.8	28.8	69.5	69.6	4.8	5.4	7.7	6	90	6	90	89	<0.2	1.3	1.3	1.3					
					Bottom	5.7	0.1	46	25.7	25.8	7.9	7.9	29.8	29.7	69.3	69.4	4.8	4.8	9.7	5	94	5	5	5	94	89	<0.2	1.3	1.3	1.3			
						5.7	0.1	47	25.8	25.8	7.9	7.9	29.6	29.7	69.5	69.4	4.8	4.8	9.2	6	93	6	93	89	<0.2	1.1	1.1	1.1					
IM3	Fine	Moderate	12:14	6.8	Surface	1.0	0.2	186	27.2	27.2	7.9	7.9	23.1	23.2	88.0	87.8	6.1	6.1	7.4	10.1	6	8	84	89	818801	805615	<0.2	1.1	1.1	1.1			
						1.0	0.2	199	27.1	27.1	7.9	7.9	23.4	23.2	87.5	87.5	6.1	5.5	7.0	6	85	6	85	89	<0.2	1.2	1.2	1.2					
					Middle	3.4	0.3	157	26.1	26.1	7.9	7.9	27.5	27.5	69.2	69.0	4.8	5.5	11.0	7	90	7	7	7	90	89	<0.2	1.2	1.2	1.2			
						3.4	0.3	161	26.0	26.0	7.9	7.9	27.5	27.5	68.8	69.0	4.8	5.5	11.4	8	92	8	92	89	<0.2	1.2	1.2	1.2					
					Bottom	5.8	0.1	116	25.8	25.8	7.9	7.9	29.3	29.3	68.7	68.9	4.7	4.8	12.1	9	92	9	9	9	92	89	<0.2	1.3	1.3	1.3			
						5.8	0.2	119	25.8	25.8	7.9	7.9	29.3	29.3	69.1	68.9	4.8	4.8	12.0	9	93	9	93	89	<0.2	1.2	1.2	1.2					
IM4	Fine	Moderate	12:23	7.5	Surface	1.0	0.9	205	27.3	27.3	7.9	7.9	23.2	23.3	84.0	84.0	5.9	5.9	6.6	7.9	9	9	86	89	819736	804625	<0.2	1.6	1.6	1.6			
						1.0	0.9	213	27.2	27.2	7.9	7.9	23.3	23.3	83.9	83.9	5.8	5.7	6.8	9	87	9	87	89	<0.2	1.4	1.4	1.4					
					Middle	3.8	0.8	199	27.0	27.0	7.9	7.9	24.4	24.5	78.6	78.4	5.5	5.7	8.1	9	90	9	9	9	90	89	<0.2	1.4	1.4	1.4			
						3.8	0.8	211	26.9	26.9	7.9	7.9	24.6	24.5	78.1	78.4	5.4	5.4	8.5	9	90	9	90	89	<0.2	1.4	1.4	1.4					
					Bottom	6.5	0.5	179	26.7	26.7	7.9	7.9	25.8	25.8	77.5	77.6	5.4	5.4	8.7	10	91	10	10	10	91	89	<0.2	1.3	1.3	1.3			
						6.5	0.5	185	26.7	26.7	7.9	7.9	25.8	25.8	77.6	77.6	5.4	5.4	9.0	10	91	10	91	89	<0.2	1.2	1.2	1.2					
IM5	Fine	Moderate	12:33	7.2	Surface	1.0	0.7	229	27.7	27.7	7.9	7.9	21.6	21.7	89.6	89.4	6.3	6.3	4.6	7.1	7	8	85	89	820746	804858	<0.2	1.5	1.5	1.5			
						1.0	0.7	250	27.6	27.6	7.9	7.9	21.7	21.7	89.1	89.4	6.2	6.2	4.6	7	86	7	86	89	<0.2	1.4	1.4	1.4					
					Middle	3.6	0.7	220	27.2	27.2	7.9	7.9	22.2	22.2	86.6	86.2	6.1	6.1	6.9	7	89	7	7	7	89	89	<0.2	1.4	1.4	1.4			
						3.6	0.8	239	27.1	27.1	7.9	7.9	22.2	22.2	85.7	86.2	6.0	6.0	7.6	8	89	8	8	8	89	89	<0.2	1.4	1.4	1.4			
					Bottom	6.2	0.6	203	26.9	26.9	7.9	7.9	25.1	25.1	79.5	79.8	5.5	5.6	9.5	8	94	8	8	8	94	89	<0.2	1.3	1.3	1.3			
						6.2	0.6	222	26.9	26.9	7.9	7.9	25.1	25.1	80.1	79.8	5.6	5.6	9.4	9	93	9	9	9	93	89	<0.2	1.4	1.4	1.4			
IM6	Fine	Moderate	12:42	6.8	Surface	1.0	0.5	243	27.5	27.5	7.9	7.9	22.2	22.2	86.2	86.0	6.0	6.0	5														

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	12:12	7.2	Surface	1.0	0.3	104	27.5	27.5	8.1	8.1	21.1	21.1	91.4	91.5	6.4	6.3	5.5	6	87	88	88	88	822064	808818	<0.2	1.6	1.5	1.5						
						1.0	0.3	104	27.5	8.1	8.1	21.1	21.1	91.5	91.5	6.4	6.3	5.5	5	86	87	88	88	88	88	822064	808818	<0.2	1.5	1.4	1.4					
						3.6	0.3	120	27.4	8.1	8.1	21.9	22.0	86.5	86.4	6.1	6.1	7.2	7	87	88	88	88	88	88	822064	808818	<0.2	1.4	1.4	1.4					
					Middle	3.6	0.3	125	27.2	8.1	8.1	22.1	22.0	86.3	86.4	6.1	6.1	7.5	7	87	88	88	88	88	88	822064	808818	<0.2	1.4	1.4	1.4					
						6.2	0.3	111	27.0	8.1	8.1	23.9	23.9	80.6	80.6	5.6	5.6	9.9	8	90	90	90	90	90	90	822064	808818	<0.2	1.4	1.4	1.4					
						6.2	0.3	111	27.0	8.1	8.1	23.9	23.9	80.6	80.6	5.6	5.6	9.9	9	90	90	90	90	90	90	822064	808818	<0.2	1.4	1.4	1.4					
					IM10	Cloudy	Moderate	12:02	6.6	Surface	1.0	0.2	112	27.3	27.3	8.1	8.1	21.8	21.8	90.2	88.6	6.3	6.1	5.5	7	86	85	88	88	822390	809812	<0.2	1.5	1.5	1.4	
											1.0	0.2	117	27.3	8.1	8.1	21.9	21.8	87.0	85.6	6.1	6.1	5.6	7	85	88	88	88	88	88	822390	809812	<0.2	1.5	1.4	1.4
											3.3	0.3	124	27.1	8.1	8.1	22.8	22.8	85.6	85.6	6.0	6.0	7.6	8	88	87	87	87	87	87	822390	809812	<0.2	1.4	1.4	1.4
Middle	3.3	0.3	134	27.1						8.1	8.1	22.8	22.8	85.6	85.6	6.0	6.0	8.0	7	87	87	87	87	87	87	822390	809812	<0.2	1.4	1.4	1.4					
	5.6	0.3	108	27.0						8.1	8.1	23.7	23.7	81.4	81.5	5.7	5.7	11.7	9	90	90	90	90	90	90	822390	809812	<0.2	1.4	1.4	1.4					
	5.6	0.3	111	27.0						8.1	8.1	23.7	23.7	81.4	81.5	5.7	5.7	11.7	9	90	90	90	90	90	90	822390	809812	<0.2	1.4	1.4	1.4					
IM11	Cloudy	Moderate	11:48	7.2						Surface	1.0	0.6	110	27.9	27.9	8.2	8.2	19.8	19.8	97.1	97.1	6.8	6.5	3.6	6	87	86	89	89	822037	811467	<0.2	1.6	1.7	1.6	
											1.0	0.6	119	27.9	8.2	8.1	19.8	19.8	97.1	88.2	6.8	6.2	3.6	5	86	89	89	89	89	89	822037	811467	<0.2	1.6	1.6	1.4
											3.6	0.5	102	27.3	8.1	8.1	22.1	22.2	88.2	88.2	6.2	6.2	7.7	7	89	88	88	88	88	88	822037	811467	<0.2	1.6	1.4	1.4
					Middle	3.6	0.5	108	27.3	8.1	8.1	22.2	22.2	88.2	88.2	6.2	6.2	8.2	7	89	88	88	88	88	88	822037	811467	<0.2	1.6	1.4	1.4					
						6.2	0.2	112	27.1	8.1	8.1	23.3	23.3	83.6	83.7	5.8	5.8	13.2	8	91	90	90	90	90	90	822037	811467	<0.2	1.4	1.4	1.4					
						6.2	0.3	114	27.1	8.1	8.1	23.3	23.3	83.7	83.7	5.8	5.8	13.1	9	90	90	90	90	90	90	822037	811467	<0.2	1.4	1.4	1.4					
					IM12	Cloudy	Moderate	11:39	9.5	Surface	1.0	0.6	140	27.8	27.8	8.1	8.1	19.8	19.8	95.4	95.4	6.7	6.4	6.7	5	86	87	88	88	821433	812051	<0.2	1.6	1.5	1.5	
											1.0	0.6	147	27.8	8.1	8.1	19.8	19.8	95.4	86.0	6.7	6.4	6.8	6	87	88	88	88	88	88	821433	812051	<0.2	1.5	1.5	1.5
											4.8	0.4	126	27.2	8.1	8.1	22.4	22.4	86.0	86.0	6.0	6.0	9.4	7	88	89	89	89	89	89	821433	812051	<0.2	1.6	1.6	1.6
Middle	4.8	0.4	131	27.2						8.1	8.1	22.4	22.4	86.0	86.0	6.0	6.0	9.4	7	88	89	89	89	89	89	821433	812051	<0.2	1.5	1.5	1.5					
	8.5	0.1	97	26.9						8.1	8.1	24.9	24.9	80.7	80.8	5.6	5.6	11.1	9	90	90	90	90	90	90	821433	812051	<0.2	1.4	1.4	1.4					
	8.5	0.2	105	26.9						8.1	8.1	24.9	24.9	80.8	80.8	5.6	5.6	11.3	10	91	91	91	91	91	91	821433	812051	<0.2	1.4	1.4	1.4					
SR1A	Cloudy	Moderate	11:18	5.2						Surface	1.0	-	-	27.5	27.5	8.1	8.1	21.6	21.6	92.0	92.0	6.4	6.4	4.4	7	-	-	-	-	819979	812660	-	-	-	-	
											1.0	-	-	27.5	8.1	8.1	21.6	21.6	92.0	92.0	6.4	6.4	4.4	6	-	-	-	-	-	-	-	-	-	-	-	
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.2	-	-	27.0	8.1	8.1	24.6	24.6	87.0	86.8	6.0	6.0	5.1	9	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.2	-	-	27.0	8.1	8.1	24.7	24.7	86.8	86.9	6.0	6.0	5.2	9	-	-	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Cloudy	Moderate	11:04	4.8	Surface	1.0	0.6	87	27.6	27.6	8.1	8.1	19.6	19.6	91.9	91.8	6.5	6.5	4.1	5	88	87	89	89	821438	814183	<0.2	1.6	1.7	1.6	
											1.0	0.6	89	27.5	8.1	8.1	19.6	19.6	91.7	91.7	6.5	6.5	4.1	5	87	88	88	88	88	88	821438	814183	<0.2	1.6	1.6	1.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.8	0.3	78	27.3						8.1	8.1	22.6	22.6	90.6	90.6	6.3	6.3	3.9	6	90	89	89	89	89	89	821438	814183	<0.2	1.5	1.5	1.5					
	3.8	0.3	80	27.3						8.1	8.1	22.6	22.6	90.5	90.5	6.3	6.3	3.9	6	90	89	89	89	89	89	821438	814183	<0.2	1.5	1.4	1.4					
SR3	Cloudy	Moderate	12:26	9.0						Surface	1.0	0.3	191	27.6	27.6	8.1	8.1	20.6	20.6	91.4	91.4	6.4	6.1	5.5	6	-	-	-	-	822117	807567	-	-	-	-	
											1.0	0.3	209	27.5	8.1	8.1	20.6	20.6	91.4	91.4	6.4	6.1	5.5	6	-	-	-	-	-	-	-	-	-	-	-	
											4.5	0.4	179	27.2	8.1	8.1	23.0	23.1	82.0	81.9	5.7	5.7	7.4	7	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.5	0.4	190	27.2	8.1	8.1	23.1	23.1	81.7	81.7	5.7	5.7	7.6	8	-	-	-	-	-	-	-	-	-	-	-	-					
						8.0	0.2	189	27.0	8.1	8.1	24.1	24.1	79.9	79.9	5.6	5.6	10.8	7	-	-	-	-	-	-	-	-	-	-	-						
						8.0	0.2	190	27.0	8.1	8.1	24.1	24.1	79.9	79.9	5.6	5.6	11.3	8	-	-	-	-	-	-	-	-	-	-	-						
					SR4A	Fine	Calm	11:13	9.0	Surface	1.0	0.1	2	27.6	27.6	8.0	8.0	20.7	20.7	85.7	85.3	6.0	5.4	5.7	5	-	-	-	-	817199	807830	-	-	-	-	
											1.0	0.1	2	27.6	8.0	8.0	20.7	20.7	84.8	84.8	6.0	5.4	6.5	6	-	-	-	-	-	-	-	-	-	-		
											4.5	0.2	66	25.9	7.9	7.9	28.8	28.8	70.1	70.1	4.8	4.8	7.3	6	-	-	-	-	-	-	-	-	-	-		
Middle	4.5	0.3	68	25.9						7.9	7.9	28.8	28.8	70.1	70.1	4.8	4.8	7.5	6	-	-	-	-	-	-	-	-	-	-	-						
	8.0	0.2	41	25.9						7.9	7.9	29.1	29.1	71.7	71.7	5.0	5.0	8.6	6	-	-	-	-	-	-	-	-	-	-							
	8.0	0.2	44	25.9						7.9	7.9	29.1	29.1	72.4	72.1	5.0	5.0	8.8	7	-	-	-	-	-	-	-	-	-	-							
SR5A	Fine	Calm	10:57	3.9						Surface	1.0	0.1	5	27.7	27.7	8.0	8.0	21.4	21.5	94.1																



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

Water Quality Monitoring

Water Quality Monitoring Results on 19 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	16:10	6.8	Surface	1.0	0.3	272	28.0	28.0	8.1	8.1	21.1	21.2	98.7	98.6	6.9	6.7	5.7	4	86	88	88	88	822095	808793	<0.2	2.1	1.9	1.8						
						1.0	0.3	285	28.0	8.1	8.1	21.2	22.1	98.4	98.4	6.5	6.7	5.7	4	87	88	88	88	<0.2			2.1									
						3.4	0.3	293	27.7	8.1	8.1	21.9	22.2	93.0	92.8	6.5	6.5	7.4	4	88	88	88	88	<0.2			1.7									
					Middle	3.4	0.3	301	27.5	8.1	8.1	22.2	22.1	92.5	92.8	6.5	6.5	7.8	4	89	89	89	89	<0.2			1.7	1.8	1.7							
						5.8	0.2	263	27.3	8.1	8.1	23.1	23.1	84.3	84.4	5.9	5.9	9.3	5	91	91	91	91	<0.2			1.8									
						5.8	0.2	280	27.3	8.1	8.1	23.1	23.1	84.4	84.4	5.9	5.9	9.1	5	88	88	88	88	<0.2			1.7									
					IM10	Cloudy	Moderate	16:17	7.1	Surface	1.0	0.2	295	28.1	28.1	8.1	8.1	21.1	21.1	103.7	103.4	7.2	6.9	4.9			3	88	88	88	88	822404	809810	<0.2	1.7	1.8
											1.0	0.2	313	28.1	8.1	8.1	21.1	21.1	103.0	103.0	7.2	6.9	5.1	4			86	86	86	86	<0.2			1.7		
											3.6	0.2	297	27.6	8.1	8.1	22.2	22.3	94.0	93.9	6.6	6.6	6.4	4			88	88	88	88	<0.2			1.8		
Middle	3.6	0.2	309	27.6						8.1	8.1	22.3	22.3	93.8	93.9	6.5	6.5	6.5	4	89	89	89	89	<0.2	1.8											
	6.1	0.3	296	27.3						8.1	8.1	23.0	23.0	86.2	86.4	6.0	6.0	7.5	4	91	91	91	91	<0.2	1.7											
	6.1	0.4	312	27.3						8.1	8.1	23.0	23.0	86.5	86.5	6.0	6.0	7.6	5	90	90	90	90	<0.2	1.8											
IM11	Cloudy	Moderate	16:27	7.0						Surface	1.0	0.4	314	27.5	27.5	8.1	8.1	22.2	22.2	92.1	91.9	6.4	6.0	6.7	4	86	85	85	85	822063	811442			<0.2	1.8	1.8
											1.0	0.4	315	27.4	8.1	8.1	22.3	22.2	91.7	91.7	6.4	6.0	6.8	4	85	85	85	85	<0.2					1.8		
											3.5	0.4	310	27.1	8.1	8.1	23.1	23.2	80.4	80.3	5.6	5.6	8.3	4	89	89	89	89	<0.2					1.8		
					Middle	3.5	0.4	324	27.1	8.1	8.1	23.2	23.2	80.1	80.3	5.6	5.6	8.6	4	89	89	89	89	<0.2	1.8											
						6.0	0.4	304	26.9	8.1	8.1	24.4	24.4	79.2	79.3	5.5	5.5	12.0	4	90	90	90	90	<0.2	1.7											
						6.0	0.4	326	26.9	8.1	8.1	24.4	24.4	79.3	79.3	5.5	5.5	12.1	5	90	90	90	90	<0.2	1.8											
					IM12	Cloudy	Moderate	16:35	9.0	Surface	1.0	0.4	286	27.8	27.8	8.1	8.1	21.7	21.7	95.3	95.3	6.6	6.2	6.4	3	86	87	87	87			821477	812065	<0.2	1.7	1.8
											1.0	0.4	310	27.7	8.1	8.1	21.8	21.7	95.2	95.2	6.6	6.2	6.5	4	87	87	87	87	<0.2					1.7		
											4.5	0.4	281	26.6	8.1	8.1	23.5	23.6	82.0	82.0	5.8	5.8	7.0	4	88	88	88	88	<0.2					1.8		
Middle	4.5	0.5	294	26.4						8.1	8.1	23.6	23.6	82.0	82.0	5.8	5.8	6.9	3	89	89	89	89	<0.2	1.8											
	8.0	0.3	309	26.1						8.1	8.1	28.1	28.1	76.6	77.2	5.3	5.4	9.0	4	90	90	90	90	<0.2	1.8											
	8.0	0.3	309	26.1						8.1	8.1	28.1	28.1	77.8	77.8	5.4	5.4	9.1	4	91	91	91	91	<0.2	1.8											
SR1A	Cloudy	Moderate	16:53	5.0						Surface	1.0	-	-	28.0	28.0	8.2	8.2	21.9	21.9	99.2	99.1	6.9	6.9	4.6	9	-	-	-	-	819983	812661			-	-	-
											1.0	-	-	27.9	27.9	8.2	8.2	21.9	21.9	99.0	99.0	6.9	6.9	4.6	9	-	-	-	-					-	-	
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			
						4.0	-	-	27.7	27.7	8.2	8.2	22.1	22.1	98.0	98.1	6.8	6.8	4.7	8	-	-	-	-	-	-	-	-	-							
						4.0	-	-	27.7	27.7	8.2	8.2	22.1	22.1	98.1	98.1	6.8	6.8	4.7	7	-	-	-	-	-	-	-	-	-							
					SR2	Cloudy	Moderate	17:05	4.6	Surface	1.0	0.2	246	27.4	27.4	8.1	8.1	23.8	23.8	92.5	92.5	6.4	6.4	8.3	8	87	88	88	88			821456	814149	<0.2	1.8	1.8
											1.0	0.2	267	27.4	8.1	8.1	23.9	23.9	92.5	92.5	6.4	6.4	8.4	6	88	88	88	88	<0.2					1.7		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	3.6	0.2	215	26.8						8.1	8.1	25.4	25.4	86.3	86.3	6.0	6.0	9.9	9	90	90	90	90	<0.2	1.8											
	3.6	0.2	231	26.8						8.1	8.1	25.4	25.4	86.3	86.3	6.0	6.0	9.8	8	90	90	90	90	<0.2	1.8											
SR3	Cloudy	Moderate	15:57	8.8						Surface	1.0	0.4	222	29.2	29.2	8.1	8.1	19.2	19.2	105.0	105.0	7.2	6.7	5.4	5	-	-	-	-	822148	807581			-	-	-
											1.0	0.4	237	29.2	8.1	8.1	19.2	19.2	104.9	104.9	7.2	6.7	5.4	6	-	-	-	-								
											4.4	0.3	213	27.4	8.1	8.1	22.2	22.2	88.4	88.5	6.2	6.2	8.8	6	-	-	-	-								
					Middle	4.4	0.3	230	27.3	8.1	8.1	22.2	22.2	88.6	88.5	6.2	6.2	9.2	5	-	-	-	-													
						7.8	0.3	254	27.2	8.1	8.1	23.4	23.4	87.3	87.3	6.1	6.1	11.4	5	-	-	-	-													
						7.8	0.3	254	27.2	8.1	8.1	23.4	23.4	87.6	87.5	6.1	6.1	11.2	6	-	-	-	-													
					SR4A	Fine	Calm	17:08	8.4	Surface	1.0	0.3	251	27.8	27.7	7.9	7.9	23.1	23.3	90.8	90.3	6.3	5.9	6.1	6	-	-	-	-			817165	807818	-	-	-
											1.0	0.3	270	27.6	7.9	7.9	23.4	23.3	89.8	89.8	6.2	6.2	6.3	6	-	-	-	-								
											4.2	0.2	240	27.3	7.9	7.9	24.1	24.1	80.5	80.6	5.6	5.6	7.0	7	-	-	-	-								
Middle	4.2	0.2	240	27.3						7.9	7.9	24.1	24.1	80.6	80.6	5.6	5.6	7.0	7	-	-	-	-													
	7.4	0.0	124	26.1						7.9	7.9	28.3	28.3	72.9	73.2	5.0	5.1	7.8	7	-	-	-	-													
	7.4	0.0	130	26.2						7.9	7.9	28.4	28.3	73.4	73.2	5.1	5.1	7.5	7	-	-	-	-													
SR5A	Fine	Calm	17:26	3.2						Surface	1.0	0.1	294	28.3	28.3	8.0	8.0	22.6	22.6	102.7	102.6	7.1	7.1	4.5	5	-	-	-	-	816615	810691			-	-	-
											1.0	0.1	323	28.3	8.0	8.0	22.6	22.6	102.5	102.6	7.0	7.1	4.4	6	-	-	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
						2.2	0.1	300	28.2	8.0	8.0	22.7	22.7	102.0	102.0	7.0	7.0	7.1	8	-	-	-	-													
						2.2	0.1	301	28.2	8.0	8.0	22.7	22.7	101.9	101.9	7.0	7.0	7.2	8	-	-	-	-													
					SR6A	Fine	Calm	17:54	4.6	Surface	1.0	0.0	226	28.2	28.2	8.0	8.0	22.8	22.8	103.4	103.2	7.1	7.1	3.6	6	-	-	-	-			817978	814762	-	-	-
											1.0	0.0	246	28.2	8.0	8.0	22.9	22.8	103.0	103.0	7.1	7.1	3.7	6	-	-	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	3.6	0.0	232	28.0						8.0	8.0	23.3	23.3	99.6	99.6	6.9	6.9	5.2	6	-	-	-	-													
	3.6	0.0	249	28.0						8.0	8.0	23.3	23.3	99.5	99.5	6.8	6.8	5.3																		



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

Water Quality Monitoring

Water Quality Monitoring Results on 21 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	11:55	8.3	Surface	1.0	0.4	232	27.2	27.2	8.0	7.9	22.3	22.3	90.4	90.2	6.3	5.4	5.4	7	7	85	88	815622	804269	<0.2	1.4	1.4	1.4				
						1.0	0.4	250	27.2	7.9	7.9	22.3	22.3	90.0	90.2	6.3	5.4	5.4	6	6	86	88	<0.2	1.5	1.5	1.5							
					Middle	4.2	0.5	199	26.8	26.8	7.9	7.9	24.4	24.4	76.9	76.9	5.4	5.7	5.7	7	7	88	88	<0.2	1.4	1.4	1.4	1.4					
						4.2	0.6	213	26.8	26.8	7.9	7.9	24.4	24.4	76.8	76.8	5.4	5.7	5.7	7	7	88	88	<0.2	1.4	1.4	1.4	1.4					
					Bottom	7.3	0.3	193	26.4	26.4	7.9	7.9	27.0	27.0	72.9	73.0	5.0	5.1	5.1	11.1	8	89	89	<0.2	1.4	1.4	1.4	1.4					
						7.3	0.3	203	26.4	26.4	7.9	7.9	27.0	27.0	73.0	73.0	5.1	5.1	5.1	10.9	7	89	89	<0.2	1.3	1.3	1.3	1.3					
C2	Rainy	Moderate	10:48	11.6	Surface	1.0	0.1	211	27.4	27.4	8.0	8.0	21.1	21.1	88.4	88.4	6.2	6.2	6.2	7	7	85	88	825659	806941	<0.2	1.5	1.5	1.5				
						1.0	0.1	203	27.4	27.4	8.0	8.0	21.1	21.1	88.3	88.3	6.2	6.2	6.2	7	7	86	88	<0.2	1.6	1.6	1.6						
					Middle	5.8	0.4	175	26.9	26.9	8.0	8.0	25.0	25.1	77.7	77.7	5.4	5.4	5.4	7.0	8	88	88	<0.2	1.5	1.5	1.5	1.5					
						5.8	0.4	177	26.8	26.8	8.0	8.0	25.2	25.2	77.6	77.6	5.4	5.4	5.4	7.1	8	88	88	<0.2	1.5	1.5	1.5	1.5					
					Bottom	10.6	0.3	167	26.6	26.6	7.9	7.9	26.1	26.1	73.4	73.5	5.1	5.1	5.1	8.4	8	90	90	<0.2	1.5	1.5	1.5	1.5					
						10.6	0.3	171	26.6	26.6	7.9	7.9	26.1	26.1	73.5	73.5	5.1	5.1	5.1	8.3	8	90	90	<0.2	1.5	1.5	1.5	1.5					
C3	Cloudy	Moderate	12:31	11.9	Surface	1.0	0.4	92	26.7	26.7	8.1	8.1	25.4	25.4	82.7	82.6	5.7	5.0	5.0	5	5	85	86	822127	817786	<0.2	1.6	1.6	1.6				
						1.0	0.5	92	26.7	26.7	8.1	8.1	25.5	25.4	82.4	82.6	5.7	5.0	5.0	6	6	86	86	<0.2	1.5	1.5	1.5						
					Middle	6.0	0.3	85	26.6	26.6	8.1	8.1	26.1	26.2	81.3	81.3	5.6	5.6	5.6	6.0	6	88	88	<0.2	1.7	1.7	1.7	1.7					
						6.0	0.3	87	26.5	26.5	8.1	8.1	26.3	26.2	81.2	81.2	5.6	5.6	5.6	6.2	6	88	88	<0.2	1.5	1.5	1.5	1.5					
					Bottom	10.9	0.4	31	26.4	26.4	8.1	8.1	27.1	27.1	76.4	76.6	5.3	5.3	5.3	7.5	6	90	90	<0.2	1.6	1.6	1.6	1.6					
						10.9	0.4	33	26.4	26.4	8.1	8.1	27.1	27.1	76.7	76.6	5.3	5.3	5.3	7.6	6	90	90	<0.2	1.6	1.6	1.6	1.6					
IM1	Cloudy	Moderate	11:35	5.2	Surface	1.0	0.1	201	27.4	27.4	8.0	8.0	20.3	20.3	100.7	100.7	7.1	4.5	4.5	6	6	86	87	817948	807139	<0.2	1.5	1.5	1.5				
						1.0	0.1	210	27.4	27.4	8.0	8.0	20.3	20.3	100.6	100.6	7.1	4.5	4.5	5	5	85	85	<0.2	1.4	1.4	1.4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.2	0.1	158	27.2	27.2	8.0	8.0	21.8	21.8	90.9	91.0	6.4	6.4	6.4	5.5	7	7	88	88	<0.2	1.5	1.5	1.5	1.5				
						4.2	0.1	170	27.2	27.2	8.0	8.0	21.7	21.8	91.1	91.0	6.4	6.4	6.4	5.4	6	87	87	<0.2	1.4	1.4	1.4	1.4					
IM2	Cloudy	Moderate	11:27	7.1	Surface	1.0	0.2	175	27.4	27.4	8.0	8.0	20.5	20.5	96.4	96.4	6.8	4.4	4.4	6	6	84	86	818151	806187	<0.2	1.6	1.6	1.6				
						1.0	0.3	185	27.4	27.4	8.0	8.0	20.6	20.5	96.3	96.4	6.8	4.4	4.4	6	6	84	84	<0.2	1.5	1.5	1.5						
					Middle	3.6	0.2	147	27.2	27.2	7.9	7.9	22.4	22.4	86.0	85.8	6.0	6.0	6.0	4.5	6	86	86	<0.2	1.5	1.5	1.5	1.5					
						3.6	0.2	156	27.2	27.2	7.9	7.9	22.4	22.4	85.6	85.8	6.0	6.0	6.0	4.5	5	86	86	<0.2	1.5	1.5	1.5	1.5					
					Bottom	6.1	0.2	158	27.0	27.0	7.9	7.9	24.0	24.0	82.1	82.1	5.7	5.7	5.7	6.4	6	88	88	<0.2	1.5	1.5	1.5	1.5					
						6.1	0.2	168	27.0	27.0	7.9	7.9	24.0	24.0	82.0	82.1	5.7	5.7	5.7	6.2	5	88	88	<0.2	1.4	1.4	1.4	1.4					
IM3	Cloudy	Moderate	11:20	7.4	Surface	1.0	0.3	135	27.4	27.4	7.9	7.9	22.4	22.4	86.5	86.5	6.0	4.6	4.6	8	8	84	85	818807	805611	<0.2	1.4	1.4	1.4				
						1.0	0.3	144	27.4	27.4	7.9	7.9	22.4	22.4	86.4	86.4	6.0	4.7	4.7	7	7	85	85	<0.2	1.4	1.4	1.4						
					Middle	3.7	0.3	132	27.0	27.0	7.9	7.9	23.9	23.9	78.6	78.6	5.5	5.5	5.5	8.1	8	86	86	<0.2	1.4	1.4	1.4	1.4					
						3.7	0.3	135	27.0	27.0	7.9	7.9	23.9	23.9	78.6	78.6	5.5	5.5	5.5	8.1	6	87	87	<0.2	1.4	1.4	1.4	1.4					
					Bottom	6.4	0.2	123	26.9	26.9	7.9	7.9	24.1	24.1	79.1	79.2	5.5	5.5	5.5	11.0	7	88	88	<0.2	1.4	1.4	1.4	1.4					
						6.4	0.2	125	26.9	26.9	7.9	7.9	24.1	24.1	79.3	79.2	5.5	5.5	5.5	10.8	6	89	89	<0.2	1.4	1.4	1.4	1.4					
IM4	Cloudy	Moderate	11:11	8.4	Surface	1.0	0.6	191	27.2	27.2	7.9	7.9	23.2	23.2	83.4	83.4	5.8	6.7	6.7	9	9	84	85	819722	804598	<0.2	1.6	1.6	1.6				
						1.0	0.6	204	27.2	27.2	7.9	7.9	23.2	23.2	83.4	83.4	5.8	6.7	6.7	10	10	85	85	<0.2	1.6	1.6	1.6						
					Middle	4.2	0.5	178	27.0	27.0	7.9	7.9	24.0	24.0	78.3	78.3	5.5	5.5	5.5	6.3	10	86	86	<0.2	1.6	1.6	1.6	1.6					
						4.2	0.5	187	27.0	27.0	7.9	7.9	23.9	24.0	78.3	78.3	5.5	5.5	5.5	6.4	9	86	86	<0.2	1.4	1.4	1.4	1.4					
					Bottom	7.4	0.4	166	26.7	26.7	7.9	7.9	25.7	25.7	72.0	72.3	5.0	5.0	5.0	12.7	9	88	88	<0.2	1.5	1.5	1.5	1.5					
						7.4	0.4	167	26.7	26.7	7.9	7.9	25.7	25.7	72.6	72.3	5.0	5.0	5.0	12.6	9	88	88	<0.2	1.5	1.5	1.5	1.5					
IM5	Cloudy	Moderate	11:03	7.9	Surface	1.0	0.4	222	27.2	27.2	7.9	7.9	23.0	23.0	84.0	84.0	5.9	5.0	5.0	8	8	84	85	820724	804888	<0.2	1.5	1.5	1.5				
						1.0	0.4	226	27.2	27.2	7.9	7.9	23.0	23.0	83.9	84.0	5.9	5.0	5.0	7	7	85	85	<0.2	1.4	1.4	1.4						
					Middle	4.0	0.4	192	26.8	26.8	7.9	7.9	24.5	24.5	75.3	75.4	5.3	5.3	5.3	5.2	7	86	86	<0.2	1.3	1.3	1.3	1.3					
						4.0	0.5	209	26.8	26.8	7.9	7.9	24.6	24.5	75.4	75.4	5.3	5.2	5.2	6	6	87	87	<0.2	1.4	1.4	1.4	1.4					
					Bottom	6.9	0.3	183	26.7	26.7	7.9	7.9	25.7	25.7	71.7	72.0	5.0	5.0	5.0	10.0	7	88	88	<0.2	1.4	1.4	1.4	1.4					
						6.9	0.4	195	26.7	26.7	7.9	7.9	25.7	25.7	72.2	72.0	5.0	5.0	5.0	9.7	6	88	88	<0.2	1.3	1.3	1.3	1.3					
IM6	Cloudy	Moderate	10:55	7.7	Surface	1.0	0.3	246	27.2	27.2	7.9	7.9	22.7	22.7	85.7	85.7	6.0	5.8	5.8	5	5	85	85	821037	805815	<0.2	1.5	1.5	1.5				
						1.0	0.4	251	27.2	27.2	7.9	7.9	22.7	22.7	85.6	85.7	6.0	5.8	5.8	6	6	85	85	<0.2	1.4	1.4							

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	11:21	7.9	Surface	1.0	0.3	62	27.3	27.3	8.0	8.0	22.8	22.8	84.7	84.7	5.9	5.9	6.2	5	85	88	822104	808790	<0.2	1.6	<0.2	1.6						
						1.0	0.3	63	27.3	8.0	8.0	22.9	22.9	84.6	84.6	5.9	5.9	6.4	6	86	88	<0.2	1.6											
						4.0	0.3	90	27.1	8.0	8.0	23.9	24.0	79.4	79.3	5.5	5.5	8.9	5	89	89	<0.2	1.6											
					Middle	4.0	0.3	91	27.1	8.0	8.0	24.0	24.0	79.2	79.2	5.5	5.5	9.2	5	89	89	<0.2	1.6											
						6.9	0.3	108	27.1	8.0	8.0	24.2	24.2	79.4	79.6	5.5	5.5	10.4	5	89	89	<0.2	1.6											
						6.9	0.3	118	27.1	8.0	8.0	24.2	24.2	79.8	79.6	5.5	5.5	10.5	5	90	90	<0.2	1.6											
					IM10	Cloudy	Moderate	11:27	7.8	Surface	1.0	0.5	99	27.4	27.4	8.0	8.0	21.9	22.0	88.1	88.0	6.2	5.4	5	85	88			822392	809798	<0.2	1.6	<0.2	1.6
											1.0	0.6	104	27.4	8.0	8.0	22.0	22.0	87.8	87.8	5.7	5.7	5.7	5	86	88			<0.2	1.6				
											3.9	0.5	120	26.9	8.0	8.0	24.5	24.5	79.1	79.2	5.5	5.5	10.1	4	88	89			<0.2	1.6				
Middle	3.9	0.6	126	26.9						8.0	8.0	24.6	24.6	79.2	79.2	5.5	5.5	10.4	4	89	89	<0.2	1.6											
	6.8	0.4	116	27.0						8.0	8.0	24.6	24.6	81.6	81.8	5.7	5.7	11.6	4	90	90	<0.2	1.6											
	6.8	0.4	126	27.0						8.0	8.0	24.6	24.6	81.9	81.9	5.7	5.7	11.3	5	90	90	<0.2	1.6											
IM11	Cloudy	Moderate	11:36	8.7						Surface	1.0	0.8	114	27.2	27.2	8.1	8.1	22.8	22.8	88.1	88.1	6.2	7.2	4	85	88	822059	811468	<0.2	1.6	<0.2	1.6		
											1.0	0.9	117	27.2	8.1	8.1	22.9	22.8	88.0	88.0	6.2	7.5	4	85	88	<0.2	1.6							
											4.4	0.7	121	27.1	8.1	8.1	23.8	23.8	80.9	80.9	5.6	5.6	12.4	4	89	89	<0.2	1.6						
					Middle	4.4	0.8	132	27.1	8.1	8.1	23.8	23.8	80.9	80.9	5.6	5.6	12.8	5	89	89	<0.2	1.6											
						7.7	0.5	115	27.0	8.0	8.0	23.8	23.8	81.7	81.8	5.7	5.7	15.8	5	89	89	<0.2	1.6											
						7.7	0.6	123	27.0	8.0	8.0	23.8	23.8	81.9	81.9	5.7	5.7	15.7	4	90	90	<0.2	1.5											
					IM12	Cloudy	Moderate	11:42	10.4	Surface	1.0	0.6	106	27.3	27.3	8.0	8.0	22.2	22.2	86.5	86.5	6.1	9.2	6	85	88	821473	812031	<0.2	1.6			<0.2	1.5
											1.0	0.7	111	27.3	8.0	8.0	22.2	22.2	86.4	86.4	6.1	9.9	7	85	88	<0.2	1.5							
											5.2	0.4	83	27.1	8.0	8.0	23.8	23.8	78.3	78.3	5.5	5.8	14.6	5	88	88	<0.2	1.6						
Middle	5.2	0.4	85	27.1						8.0	8.0	23.8	23.8	78.2	78.3	5.4	5.4	14.8	6	88	88	<0.2	1.5											
	9.4	0.1	84	26.9						8.0	8.0	24.8	24.8	78.8	78.9	5.5	5.5	15.6	5	89	89	<0.2	1.5											
	9.4	0.1	86	26.9						8.0	8.0	24.8	24.8	79.0	79.0	5.5	5.5	15.7	6	89	89	<0.2	1.5											
SR1A	Cloudy	Moderate	12:00	5.0						Surface	1.0	-	-	27.1	27.1	8.1	8.1	23.8	23.9	82.5	82.4	5.7	6.6	5	-	-	819974	812664	-	-	-	-		
											1.0	-	-	27.1	27.1	8.1	8.1	24.0	23.9	82.2	82.4	5.7	6.6	6	-	-	-	-						
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	6.5	5	-	-							
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						4.0	-	-	27.0	27.1	8.1	8.1	25.3	25.2	82.2	82.4	5.7	6.5	5	-	-	-	-											
						4.0	-	-	27.1	27.1	8.1	8.1	25.2	25.2	82.5	82.4	5.7	6.5	5	-	-	-	-											
					SR2	Cloudy	Moderate	12:13	4.6	Surface	1.0	0.4	100	27.1	27.1	8.1	8.1	23.9	23.9	83.8	84.0	5.8	7.0	6	85	88	821460	814142	<0.2	1.6			<0.2	1.5
											1.0	0.4	103	27.1	8.1	8.1	23.9	23.9	84.1	84.0	5.9	7.0	6	85	88	<0.2	1.5							
											-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	6	-	-							
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.6	0.2	104	27.1						8.1	8.1	23.9	23.9	85.9	86.1	6.0	6.0	7.2	6	88	89	<0.2	1.5											
	3.6	0.2	109	27.2						8.1	8.1	23.9	23.9	86.3	86.1	6.0	6.0	7.0	5	89	89	<0.2	1.4											
SR3	Rainy	Moderate	11:05	9.6						Surface	1.0	0.1	183	27.5	27.5	8.0	8.0	21.1	21.1	90.8	90.8	6.4	5.4	6	-	-	822141	807568	-	-	-	-		
											1.0	0.1	183	27.5	8.0	8.0	21.1	21.1	90.7	90.8	6.4	5.4	6	-	-	-	-							
											4.8	0.1	185	27.2	7.9	7.9	23.5	23.5	80.6	80.5	5.6	5.6	6.8	7	-	-								
					Middle	4.8	0.2	198	27.2	7.9	7.9	23.6	23.5	80.3	80.5	5.6	5.6	6.9	6	-	-													
						8.6	0.1	237	27.1	7.9	7.9	24.2	24.2	78.9	78.9	5.5	5.5	8.4	7	-	-													
						8.6	0.1	256	27.2	7.9	7.9	24.2	24.2	78.9	78.9	5.5	5.5	8.4	8	-	-													
					SR4A	Cloudy	Calm	12:18	8.2	Surface	1.0	0.1	210	27.3	27.3	7.9	7.9	21.1	21.0	94.5	94.3	6.7	5.0	6	-	-	817166	807793	-	-			-	-
											1.0	0.1	230	27.3	7.9	7.9	21.1	21.0	94.1	94.3	6.6	5.3	7	-	-	-	-							
											4.1	0.0	263	27.1	7.9	7.9	22.2	22.2	83.1	83.1	5.8	7.2	6	-	-	-	-							
Middle	4.1	0.0	283	27.1						7.9	7.9	22.2	22.2	83.0	83.1	5.8	7.4	6	-	-	-	-												
	7.2	0.1	111	27.0						7.9	7.9	23.4	23.4	79.8	79.8	5.6	12.3	7	-	-	-	-												
	7.2	0.1	118	27.0						7.9	7.9	23.4	23.4	79.7	79.8	5.6	12.2	7	-	-	-	-												
SR5A	Cloudy	Calm	12:36	3.5						Surface	1.0	0.1	329	27.4	27.4	7.9	7.9	22.0	22.0	90.1	89.9	6.3	5.4	5	-	-	816598	810701	-	-	-	-		
											1.0	0.1	330	27.4	7.9	7.9	22.0	22.0	89.7	89.9	6.3	5.6	6	-	-	-	-							
											-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	6	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						2.5	0.1	356	27.4	8.0	8.0	22.3	22.3	88.3	88.3	6.2	8.7	7	-	-	-	-												
						2.5	0.1	359	27.4	8.0	8.0	22.3	22.3	88.3	88.3	6.2	8.7	6	-	-	-	-												
					SR6A	Cloudy	Calm	13:13	4.1	Surface	1.0	0.1	282	27.0	27.0	7.9	7.9	24.1	24.1	78.2	78.2	5.4	10.0	11	-	-	817985	814722	-	-			-	-
											1.0	0.1	285	27.0	7.9	7.9	24.1	24.1	78.1	78.1	5.4	10.2	10	-	-	-	-							
											-	-	-	-	-	-	-	-	-	-	-	-	-	9.5	11	-	-							
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.1	0.0	207	27.0						7.9	7.9	24.8	24.8	76.9	77.0	5.3	8.8	12	-	-	-	-												
Bottom	3.1	0.0	219	27.0						7.9	7.9	24.9	24.8	77.0	77.0	5.3	8.9	11	-	-	-	-												
	1.0	0.6	41	26.7						8.1	8.1	25.6	25.6	83.4	83.4	5.8	4.1	5	-	-	-	-												
	1.0	0.6	43	26.7						8.1	8.1	25.6	25.6	83.3	83.3	5.8	4.1	6	-	-	-	-												
SR7	Cloudy	Moderate	12:58	16.2	Surface	8.1	0.4	19	26.4	26.4	8.1	8.1	26.7	26.7	80.5	80.6	5.6	4.6	6	-	-	823628	823763	-	-	-	-							
						8.1	0.4	19	26.4	8.1	8.1	26.7	26.7	80.6	80.6	5.6																		

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

Water Quality Monitoring Results on 23 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Moderate	13:00	8.4	Surface	1.0	0.5	222	26.8	26.8	7.9	7.9	24.2	24.2	74.0	74.0	5.2		4.1		6		86		815614	804260	<0.2	1.4	1.4			
						1.0	0.5	237	26.8	26.8	7.9	7.9	24.2	24.2	73.9	73.9	5.2	4.9	3.9	5	87											
					Middle	4.2	0.6	195	26.0	26.0	7.9	7.9	27.6	27.6	66.4	66.5	4.6	4.4	4.4	5	88											
						4.2	0.7	210	26.0	26.0	7.9	7.9	27.6	27.6	66.5	66.5	4.6	4.4	4.3	6	88											
					Bottom	7.4	0.5	209	25.9	26.0	7.8	7.8	29.5	29.5	63.7	64.0	4.4	4.4	14.4	4	89											
						7.4	0.5	212	26.0	26.0	7.8	7.8	29.5	29.5	64.3	64.3	4.4	4.4	14.1	5	90											
C2	Rainy	Moderate	11:45	11.6	Surface	1.0	0.4	186	27.1	27.1	8.0	8.0	21.7	21.7	74.9	74.8	5.3		7.2		5		86		825699	806966	<0.2	1.9	1.9			
						1.0	0.4	190	27.0	27.0	8.0	8.0	21.7	21.7	74.6	74.6	5.3	5.2	7.3	6	86											
					Middle	5.8	0.3	182	26.9	26.9	8.0	8.0	23.1	23.1	72.9	72.9	5.1	8.4	8.4	6	87											
						5.8	0.3	194	26.9	26.9	8.0	8.0	23.1	23.1	72.9	72.9	5.1	8.4	8.4	5	88											
					Bottom	10.6	0.3	177	26.4	26.4	8.0	8.0	26.1	26.1	66.4	66.4	4.6	4.6	9.6	9	90											
						10.6	0.3	181	26.4	26.4	8.0	8.0	26.1	26.1	66.4	66.4	4.6	4.6	9.6	8	91											
C3	Rainy	Moderate	13:29	12.0	Surface	1.0	0.6	88	26.5	26.5	8.0	8.0	24.6	24.6	73.9	73.8	5.2		5.8		6		86		822102	817801	<0.2	1.5	1.5			
						1.0	0.6	95	26.4	26.4	8.0	8.0	24.7	24.7	73.6	73.6	5.2	5.1	5.7	7	85											
					Middle	6.0	0.3	49	26.0	26.0	8.0	8.0	26.3	26.3	70.1	70.0	4.9	8.0	8.0	7	89											
						6.0	0.3	52	26.0	26.0	8.0	8.0	26.3	26.3	69.8	69.8	4.9	8.5	8.5	7	88											
					Bottom	11.0	0.3	26	25.7	25.7	8.0	8.0	28.6	28.6	69.2	69.4	4.8	4.8	12.7	8	91											
						11.0	0.3	26	25.7	25.7	8.0	8.0	28.6	28.6	69.5	69.5	4.8	4.8	12.7	7	91											
IM1	Rainy	Moderate	12:39	5.2	Surface	1.0	0.2	180	26.5	26.5	7.9	7.9	25.7	25.6	66.3	66.3	4.6		8.2		8		85		817945	807135	<0.2	1.6	1.6			
						1.0	0.2	192	26.5	26.5	7.9	7.9	25.6	25.6	66.2	66.2	4.6	4.6	8.0	8	85											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.2	0.1	165	26.1	26.1	7.8	7.8	27.8	27.8	65.1	65.2	4.5	4.5	14.8	10	88											
						4.2	0.1	177	26.1	26.1	7.8	7.8	27.8	27.8	65.3	65.3	4.5	4.5	14.4	9	88											
IM2	Rainy	Moderate	12:31	7.3	Surface	1.0	0.2	173	26.5	26.5	7.9	7.9	25.6	25.6	70.3	70.4	4.9		4.8		5		84		818161	806170	<0.2	1.6	1.6			
						1.0	0.2	176	26.5	26.5	7.9	7.9	25.6	25.6	70.4	70.4	4.9	4.7	4.8	4	84											
					Middle	3.7	0.4	146	26.3	26.4	7.9	7.9	27.4	27.3	65.3	65.7	4.5	4.4	7.4	5	85											
						3.7	0.4	147	26.4	26.4	7.9	7.9	27.2	27.3	66.0	66.0	4.6	4.4	6.9	6	86											
					Bottom	6.3	0.2	137	25.9	25.9	7.8	7.8	28.5	28.5	63.1	63.3	4.4	4.4	13.2	6	88											
						6.3	0.2	145	25.9	25.9	7.8	7.8	28.5	28.5	63.5	63.3	4.4	4.4	12.9	5	89											
IM3	Rainy	Moderate	12:23	7.6	Surface	1.0	0.3	169	26.9	26.9	7.9	7.9	23.0	23.0	81.0	80.8	5.7		4.9		5		84		818772	805600	<0.2	1.5	1.5			
						1.0	0.3	177	26.8	26.8	7.9	7.9	23.1	23.1	80.5	80.5	5.7	5.0	5.1	6	85											
					Middle	3.8	0.5	148	25.9	25.9	7.8	7.8	28.6	28.7	61.8	61.9	4.3	4.3	12.3	6	86											
						3.8	0.5	152	25.9	25.9	7.8	7.8	28.8	28.7	62.0	61.9	4.3	4.3	13.0	5	86											
					Bottom	6.6	0.4	129	25.8	25.8	7.8	7.8	28.9	28.8	64.2	64.5	4.4	4.5	11.9	6	89											
						6.6	0.4	136	25.9	25.9	7.8	7.8	28.8	28.8	64.7	64.5	4.5	4.5	11.6	7	89											
IM4	Rainy	Moderate	12:14	8.5	Surface	1.0	0.5	184	26.3	26.3	7.9	7.9	26.6	26.6	65.4	65.4	4.5		6.5		7		85		819701	804593	<0.2	1.9	1.9			
						1.0	0.5	197	26.2	26.2	7.9	7.9	26.6	26.6	65.4	65.4	4.6	4.5	6.6	7	85											
					Middle	4.3	0.5	169	26.2	26.2	7.9	7.9	27.1	27.0	64.6	64.8	4.5	4.5	6.9	8	88											
						4.3	0.6	170	26.2	26.2	7.9	7.9	26.9	27.0	65.0	64.8	4.5	4.5	6.8	7	88											
					Bottom	7.5	0.4	162	25.7	25.8	7.8	7.8	29.5	29.5	60.7	60.9	4.2	4.2	12.6	9	88											
						7.5	0.4	169	25.8	25.8	7.8	7.8	29.5	29.5	61.0	60.9	4.2	4.2	13.0	8	89											
IM5	Rainy	Calm	12:05	7.8	Surface	1.0	0.4	214	26.7	26.7	7.9	7.9	24.7	24.8	72.8	73.0	5.1		6.0		6		86		820716	804863	<0.2	2.0	2.0			
						1.0	0.4	214	26.7	26.7	7.9	7.9	25.0	24.8	73.2	73.0	5.1	4.6	6.0	7	86											
					Middle	3.9	0.4	182	25.8	25.8	7.8	7.8	29.2	29.2	57.7	57.8	4.0	4.0	6.2	6	88											
						3.9	0.4	192	25.8	25.8	7.8	7.8	29.2	29.2	57.8	57.8	4.0	4.0	6.9	6	88											
					Bottom	6.8	0.4	169	25.7	25.7	7.8	7.8	29.3	29.3	58.3	58.3	4.0	4.1	15.0	5	90											
						6.8	0.4	183	25.7	25.7	7.8	7.8	29.3	29.3	58.6	58.5	4.1	4.1	14.8	6	89											
IM6	Rainy	Calm	11:55	7.9	Surface	1.0	0.2	254	26.8	26.8	7.8	7.8	24.0	24.1	72.5	72.5	5.1		6.8		6		85		821059	805846	<0.2	1.9	1.9			
						1.0	0.2	259	26.7	26.7	7.8	7.8	24.1	24.1	72.5	72.5	5.1	4.8	6.9	5	85											
					Middle	4.0	0.3	192	26.2	26.2	7.8	7.8	27.2	27.2	65.4	65.5	4.6	4.6	8.7	6	88											
						4.0	0.3	201	26.2	26.2	7.8	7.8	27.3	27.2	65.6	65.5	4.6	4.6	9.1	5	89											
					Bottom	6.9	0.2	191	26.1	26.1	7.8	7.8	27.5	27.5	67.2	67.4	4.7	4.7	10.8	5	89											
						6.9	0.2	201	26.1	26.1	7.8	7.8	27.5	27.5	67.6	67.4	4.7	4.7	10.6	5	90											
IM7	Rainy	Moderate	11:46	8.9	Surface	1.0	0.1	263	27.1	27.1	7.8	7.8	21.9	21.9	75.4	75.4	5.3		6.6		8		81		821354	806857	<0.2	2.0	2.0			
						1.0	0.1	271	27.1	27.1	7.8	7.8	21.9	21.9	75.3	75.3	5.3	5.0	6.6	8	82											
					Middle	4.5	0.1	123	26.3	26.3	7.8	7.8	26.3	26.4	66.0	66.0	4.6	4.6	10.6	8	84											
						4.5	0.1	131	26.3	26.3	7.8	7.8	26.4	26.4	66.0	66.0	4.6	4.6	11.1	8	84											
					Bottom	7.9	0.2	111	26.3	26.4	7.8	7.8	26.5	26.4	66.5	66.6	4.6	4.6	12.4	8	89											
						7.9	0.2	111	26.4	26.4	7.8	7.8	26.3	26.4	66.7	66.6	4.6	4.6	11.7	8	90											
IM8	Rainy	Moderate	12:07	8.8	Surface	1.0	0.1	94	27.1	27.1	8.0	8.0	20.8	20.8	80.6	80.6	5.7		6.8		6		87		821824	808159	<0.2	1.9	1.9			
						1.0	0.1	101	27.1	27.1	8.0	8.0	20.8	20.8	80.5	80.5	5.7	5.5	7.0	7	87											
					Middle	4.4	0.1	99	26.9	26.9	8.0	8.0	23.1	23.1	74.7	74.7	5.2	8.3	8.4	7	88											
						4.4	0.1	105	26.9	26.9	8.0	8.0	23.1	23.1	74.6	74.6	5.2	8.3	8.9	7	89											
					Bottom	7.8	0.2	35	26.4	26.4																						



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

Water Quality Monitoring Results on 23 May 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Calm	20:31	8.8	Surface	1.0	0.7	36	26.9	27.0	7.9	7.9	22.8	22.8	77.9	77.9	5.5	5.0	5	85	88	85	85	88	88	815640	804230	<0.2	1.4	1.5	1.5			
						1.0	0.7	36	27.0	27.0	7.9	7.9	22.8	22.8	77.9	77.9	5.5	4.9	5	85	88	85	85	88	88	815640	804230	<0.2	1.4	1.5	1.5			
						4.4	0.4	46	26.1	26.1	7.9	7.9	27.6	27.5	63.8	63.9	4.4	10.6	6	88	88	6	88	88	88	815640	804230	<0.2	1.4	1.5	1.5			
					4.4	0.4	49	26.1	26.1	7.9	7.9	27.5	27.5	63.9	63.9	4.4	10.5	5	88	88	5	88	88	5	88	88	815640	804230	<0.2	1.4	1.5	1.5		
					7.8	0.4	46	25.8	25.8	7.9	7.9	29.3	29.2	63.3	63.5	4.4	16.4	6	90	90	6	90	90	6	90	90	815640	804230	<0.2	1.4	1.5	1.5		
					7.8	0.5	48	25.8	25.8	7.9	7.9	29.2	29.2	63.6	63.5	4.4	16.3	6	90	90	6	90	90	6	90	90	815640	804230	<0.2	1.4	1.5	1.6		
C2	Cloudy	Moderate	20:53	12.6	Surface	1.0	0.4	12	27.3	27.3	8.0	8.0	19.3	19.3	82.1	82.0	5.8	6.0	6	86	87	6	86	87	88	825665	806956	<0.2	2.1	2.0	2.0			
						1.0	0.4	12	27.3	27.3	8.0	8.0	19.3	19.3	81.9	81.9	5.8	6.2	7	87	88	7	87	88	7	87	88	825665	806956	<0.2	2.1	2.0	2.0	
						6.3	0.4	23	27.2	27.2	8.0	8.0	22.1	22.1	76.5	76.5	5.4	7.3	6	88	88	6	88	88	6	88	88	825665	806956	<0.2	2.1	2.0	2.0	
					6.3	0.4	24	27.2	27.2	8.0	8.0	22.2	22.1	76.4	76.4	5.4	7.3	6	88	88	6	88	88	6	88	88	825665	806956	<0.2	2.1	2.0	2.0		
					11.6	0.5	359	27.0	27.0	8.0	8.0	23.0	23.1	75.9	76.0	5.3	7.9	5	90	90	5	90	90	5	90	90	825665	806956	<0.2	2.1	2.0	1.9		
					11.6	0.6	330	27.0	27.0	8.0	8.0	23.1	23.1	76.0	76.0	5.3	8.2	6	91	91	6	91	91	6	91	91	825665	806956	<0.2	2.1	2.0	1.9		
C3	Cloudy	Moderate	19:02	12.0	Surface	1.0	0.6	273	27.0	27.0	8.0	8.0	22.1	22.1	78.9	78.9	5.6	5.0	5	86	87	5	86	87	88	822115	817826	<0.2	1.8	1.8	1.8			
						1.0	0.6	297	27.0	27.0	8.0	8.0	22.1	22.1	78.8	78.8	5.6	5.0	5	87	88	5	87	88	5	87	88	822115	817826	<0.2	1.8	1.8	1.8	
						6.0	0.6	283	26.6	26.6	8.0	8.0	23.1	23.1	77.5	77.5	5.5	5.2	5	88	88	5	88	88	5	88	88	822115	817826	<0.2	1.8	1.8	1.8	
					6.0	0.6	294	26.6	26.6	8.0	8.0	23.2	23.1	77.4	77.4	5.5	5.2	6	89	89	6	89	89	6	89	89	822115	817826	<0.2	1.8	1.8	1.8		
					11.0	0.7	301	25.8	25.8	8.0	8.0	28.8	28.8	67.6	67.7	4.7	3.5	6	90	90	6	90	90	6	90	90	822115	817826	<0.2	1.8	1.8	1.8		
					11.0	0.8	307	25.8	25.8	8.0	8.0	28.8	28.8	67.7	67.7	4.7	3.8	5	90	90	5	90	90	5	90	90	822115	817826	<0.2	1.8	1.8	1.7		
IM1	Cloudy	Calm	20:30	5.6	Surface	1.0	0.1	356	26.9	26.9	7.9	7.9	23.2	23.2	76.0	76.0	5.3	5.6	6	81	82	6	81	82	83	817956	807127	<0.2	1.6	1.6	1.6			
						1.0	0.1	358	26.9	26.9	7.9	7.9	23.2	23.2	76.0	76.0	5.3	5.6	7	82	82	7	82	82	7	82	82	817956	807127	<0.2	1.6	1.6	1.6	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.6	0.1	273	26.7	26.7	7.8	7.8	24.8	24.8	72.9	73.1	5.1	11.5	9	84	85	9	84	85	9	84	85	817956	807127	<0.2	1.6	1.6	1.6		
					4.6	0.1	293	26.7	26.7	7.8	7.8	24.8	24.8	73.3	73.3	5.1	11.2	8	85	85	8	85	85	8	85	85	817956	807127	<0.2	1.6	1.6	1.6		
					1.0	0.5	12	27.1	27.1	7.9	7.9	21.7	21.7	80.8	80.8	5.7	5.1	5	82	83	5	82	83	5	82	83	818156	806183	<0.2	1.7	1.7	1.7		
IM2	Cloudy	Moderate	20:21	7.7	Surface	1.0	0.5	12	27.1	27.1	7.9	7.9	21.7	21.7	80.8	80.8	5.7	5.1	5	82	83	5	82	83	85	818156	806183	<0.2	1.7	1.7	1.7			
						3.9	0.3	12	26.5	26.5	7.9	7.9	25.8	25.8	67.8	67.9	4.7	8.2	5	84	85	5	84	85	5	84	85	818156	806183	<0.2	1.7	1.7	1.7	
						3.9	0.3	12	26.5	26.5	7.9	7.9	25.8	25.8	67.9	67.9	4.7	8.0	6	85	85	6	85	85	6	85	85	818156	806183	<0.2	1.7	1.7	1.6	
					6.7	0.2	12	26.4	26.4	7.8	7.8	26.1	26.1	69.9	70.1	4.9	12.7	5	88	88	5	88	88	5	88	88	818156	806183	<0.2	1.6	1.6	1.6		
					6.7	0.2	12	26.5	26.5	7.8	7.8	26.0	26.0	70.3	70.3	4.9	12.1	6	88	88	6	88	88	6	88	88	818156	806183	<0.2	1.6	1.6	1.6		
					1.0	0.4	325	27.0	27.0	7.9	7.9	21.9	21.9	81.9	81.9	5.8	5.0	6	83	83	6	83	83	6	83	83	818807	805579	<0.2	1.9	1.8	1.8		
IM3	Cloudy	Moderate	20:15	8.0	Surface	1.0	0.4	325	27.0	27.0	7.9	7.9	21.9	21.9	81.8	81.8	5.8	5.0	5	83	83	5	83	83	86	818807	805579	<0.2	1.9	1.8	1.8			
						1.0	0.4	337	27.0	27.0	7.9	7.9	21.9	21.9	81.8	81.8	5.8	5.0	5	83	83	5	83	83	5	83	83	818807	805579	<0.2	1.9	1.8	1.8	
						4.0	0.5	2	26.4	26.4	7.9	7.8	26.0	26.0	68.2	68.3	4.7	10.1	6	85	85	6	85	85	6	85	85	818807	805579	<0.2	1.9	1.8	1.8	
					4.0	0.5	2	26.4	26.4	7.8	7.8	26.0	26.0	68.3	68.3	4.8	10.2	6	85	85	6	85	85	6	85	85	818807	805579	<0.2	1.9	1.8	1.8		
					7.0	0.3	340	26.3	26.3	7.8	7.8	26.7	26.7	67.4	67.4	4.7	12.7	6	88	88	6	88	88	6	88	88	818807	805579	<0.2	2.0	2.0	2.0		
					7.0	0.3	313	26.3	26.3	7.8	7.8	26.7	26.7	67.7	67.6	4.7	12.9	5	89	89	5	89	89	5	89	89	818807	805579	<0.2	2.0	2.0	2.0		
IM4	Cloudy	Moderate	19:49	8.8	Surface	1.0	0.7	342	26.9	26.9	7.9	7.9	22.5	22.6	78.6	78.6	5.5	5.3	6	85	85	6	85	85	88	819733	804610	<0.2	1.6	1.6	1.6			
						1.0	0.7	315	26.9	26.9	7.9	7.9	22.6	22.6	78.5	78.5	5.5	5.4	5	85	85	5	85	85	5	85	85	819733	804610	<0.2	1.6	1.6	1.6	
						4.4	0.7	0	26.5	26.5	7.9	7.9	24.9	24.8	71.5	71.5	5.0	6.2	5	89	89	5	89	89	5	89	89	819733	804610	<0.2	1.6	1.6	1.6	
					4.4	0.7	0	26.6	26.6	7.9	7.9	24.8	24.8	71.5	71.5	5.0	6.2	5	89	89	5	89	89	5	89	89	819733	804610	<0.2	1.6	1.6	1.6		
					7.8	0.6	0	26.4	26.4	7.8	7.8	26.8	26.8	69.9	70.2	4.8	10.7	5	90	90	5	90	90	5	90	90	819733	804610	<0.2	1.6	1.6	1.6		
					7.8	0.6	0	26.3	26.4	7.8	7.8	26.8	26.8	70.5	70.5	4.9	11.0	5	90	90	5	90	90	5	90	90	819733	804610	<0.2	1.6	1.6	1.6		
IM5	Cloudy	Moderate	19:26	7.8	Surface	1.0	1.0	6	26.9	26.9	7.9	7.9	22.8	22.7	78.3	78.3	5.5	5.9	6	83	83	6	83	83	86	820758	804872	<0.2	1.8	1.8	1.8			
						1.0	1.0	6	26.9	26.9	7.9	7.9	22.7																					



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

Water Quality Monitoring

Water Quality Monitoring Results on 26 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:45	8.6	Surface	1.0	0.4	236	27.0	27.0	8.0	8.0	24.6	24.6	86.8	86.7	6.0	4.5	5	86	89	815605	804227	<0.2	1.2	<0.2	1.2					
						1.0	0.4	239	27.0	8.0	8.0	24.6	24.6	86.6	86.6	5.8	4.5	6	88	89												
					Middle	4.3	0.5	216	26.5	26.5	8.0	8.0	25.0	25.0	79.8	79.9	5.0	4.7	5	89	89											
						4.3	0.5	229	26.4	26.4	8.0	8.0	25.0	25.0	79.9	79.9	5.6	4.7	6	89	89											
					Bottom	7.6	0.4	193	26.0	26.0	7.9	7.9	27.7	27.6	68.2	68.3	4.7	4.7	8	91	91											
						7.6	0.4	198	26.0	26.0	7.9	7.9	27.6	27.6	68.3	68.3	4.7	4.7	7	91	91											
C2	Rainy	Moderate	13:35	12.4	Surface	1.0	0.4	174	27.4	27.4	7.7	7.7	21.0	21.0	78.8	78.8	5.6	5.8	6	88	89	825666	806930	<0.2	2.0	<0.2	2.0					
						1.0	0.5	184	27.3	27.3	7.7	7.7	21.1	21.1	78.8	78.8	5.6	5.9	6	89	89											
					Middle	6.2	0.5	175	26.7	26.7	7.7	7.7	22.2	22.2	70.1	70.1	5.0	7.1	7	92	92											
						6.2	0.5	182	26.6	26.6	7.7	7.7	22.2	22.2	70.0	70.0	5.0	7.0	8	92	92											
					Bottom	11.4	0.3	154	26.0	26.1	7.7	7.7	27.6	27.6	65.3	65.5	4.5	7.5	8	93	93											
						11.4	0.3	162	26.1	26.1	7.7	7.7	27.6	27.6	65.7	65.7	4.6	8.0	8	94	94											
C3	Cloudy	Moderate	15:05	12.2	Surface	1.0	0.5	97	26.7	26.7	7.8	7.8	23.8	23.8	75.1	75.1	5.3	5.3	6	88	89	822090	817780	<0.2	1.9	<0.2	1.9					
						1.0	0.5	99	26.7	26.7	7.8	7.8	23.9	23.9	75.0	75.0	5.3	5.3	7	89	89											
					Middle	6.1	0.2	75	26.4	26.4	7.8	7.8	25.2	25.2	69.4	69.4	4.9	6.2	7	92	92											
						6.1	0.2	77	26.4	26.4	7.8	7.8	25.2	25.2	69.4	69.4	4.9	6.2	7	92	92											
					Bottom	11.2	0.4	53	25.8	25.8	7.8	7.8	27.8	27.8	63.7	63.8	4.4	7.5	8	94	94											
						11.2	0.4	54	25.8	25.8	7.8	7.8	27.8	27.8	63.9	63.9	4.5	7.5	9	94	94											
IM1	Cloudy	Moderate	14:23	5.2	Surface	1.0	0.2	169	26.9	26.9	8.0	8.0	22.9	23.0	83.4	83.3	5.9	8.2	7	86	88	817936	807115	<0.2	1.2	<0.2	1.2					
						1.0	0.2	177	26.9	26.9	8.0	8.0	23.1	23.0	83.2	83.2	5.8	8.2	7	88	88											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	4.2	0.0	9	26.6	26.7	7.9	7.9	23.6	23.5	72.0	72.5	5.1	10.2	9	90	90											
						4.2	0.0	9	26.7	26.7	7.9	7.9	23.5	23.5	72.9	72.9	5.1	9.8	9	90	90											
IM2	Cloudy	Moderate	14:16	7.4	Surface	1.0	0.3	163	26.6	26.6	8.0	8.0	23.7	23.7	80.4	80.0	5.7	4.9	6	86	87	818151	806144	<0.2	1.2	<0.2	1.2					
						1.0	0.3	167	26.6	26.6	8.0	8.0	23.8	23.7	79.6	79.6	5.6	4.8	7	87	87											
					Middle	3.7	0.3	149	26.6	26.6	7.9	7.9	24.1	24.1	71.2	71.6	5.0	4.8	7	88	88											
						3.7	0.3	151	26.5	26.5	7.9	7.9	24.0	24.1	71.9	71.9	5.1	4.7	8	87	87											
					Bottom	6.4	0.1	111	26.2	26.2	7.9	7.9	26.3	26.3	68.7	69.0	4.8	15.7	7	90	90											
						6.4	0.2	113	26.2	26.2	7.9	7.9	26.3	26.3	69.2	69.2	4.8	15.6	8	90	90											
IM3	Cloudy	Moderate	14:10	7.7	Surface	1.0	0.2	73	27.1	27.1	8.0	8.0	23.5	23.6	83.8	83.7	5.8	4.4	7	86	87	818806	805610	<0.2	1.1	<0.2	1.1					
						1.0	0.2	78	27.0	27.0	8.0	8.0	23.6	23.6	83.6	83.6	5.8	4.9	7	87	87											
					Middle	3.9	0.1	100	26.2	26.2	7.9	7.9	25.6	25.7	66.9	66.8	4.7	9.9	6	88	88											
						3.9	0.1	106	26.2	26.2	7.9	7.9	25.8	25.7	66.7	66.7	4.7	9.9	7	87	87											
					Bottom	6.7	0.3	126	26.1	26.1	7.9	7.9	26.4	26.4	67.7	68.0	4.7	16.9	7	90	90											
						6.7	0.3	137	26.1	26.1	7.9	7.9	26.4	26.4	68.3	68.0	4.8	16.8	6	90	90											
IM4	Cloudy	Moderate	13:59	8.6	Surface	1.0	0.6	203	26.3	26.3	8.0	8.0	24.6	24.7	68.3	68.1	4.8	7.7	11	87	87	819719	804586	<0.2	1.3	<0.2	1.3					
						1.0	0.7	222	26.3	26.3	8.0	8.0	24.8	24.7	67.8	68.1	4.8	7.7	12	87	87											
					Middle	4.3	0.5	181	26.1	26.1	8.0	7.9	25.6	25.6	65.9	65.8	4.6	7.6	10	89	89											
						4.3	0.5	196	26.1	26.1	7.9	7.9	25.6	25.6	65.7	65.8	4.6	7.2	10	88	88											
					Bottom	7.6	0.4	157	26.0	26.0	7.9	7.9	27.0	27.0	65.6	65.7	4.6	16.6	9	90	90											
						7.6	0.4	158	26.0	26.0	7.9	7.9	27.0	27.0	65.7	65.7	4.6	16.6	9	91	91											
IM5	Cloudy	Moderate	13:50	8.1	Surface	1.0	0.4	233	26.7	26.7	8.0	8.0	23.2	23.3	75.1	75.2	5.3	6.3	7	86	88	820719	804877	<0.2	1.3	<0.2	1.3					
						1.0	0.5	242	26.7	26.7	8.0	8.0	23.3	23.3	75.1	75.1	5.3	6.3	8	88	88											
					Middle	4.1	0.5	202	26.3	26.3	7.9	7.9	24.5	24.5	69.0	68.9	4.9	8.9	7	89	89											
						4.1	0.5	210	26.2	26.3	7.9	7.9	24.5	24.5	68.7	68.9	4.8	9.6	8	88	88											
					Bottom	7.1	0.3	176	26.1	26.1	7.9	7.9	26.6	26.6	68.5	68.6	4.8	11.9	8	90	90											
						7.1	0.3	185	26.1	26.1	7.9	7.9	26.6	26.6	68.7	68.6	4.8	11.9	7	91	91											
IM6	Cloudy	Moderate	13:43	8.0	Surface	1.0	0.3	232	26.8	26.8	8.0	8.0	22.5	22.5	76.1	76.3	5.4	6.8	6	86	87	821056	805821	<0.2	1.4	<0.2	1.4					
						1.0	0.3	234	26.7	26.8	8.0	8.0	22.5	22.5	76.4	76.3	5.4	7.0	6	87	87											
					Middle	4.0	0.3	198	26.4	26.4	8.0	8.0	24.5	24.5	70.6	70.5	5.0	8.1	7	88	88											
						4.0	0.3	213	26.4	26.4	8.0	8.0	24.4	24.5	70.4	70.5	5.0	8.1	6	89	89											
					Bottom	7.0	0.2	181	26.2	26.2	7.9	7.9	25.6	25.6	69.6	69.7	4.9	7.8	7	90	90											
						7.0	0.2	182	26.2	26.2	7.9	7.9	25.6	25.6	69.7	69.7	4.9	8.1	6	91	91											
IM7	Cloudy	Moderate	13:35	8.4	Surface	1.0	0.2	228	27.0	27.0	8.0	8.0	21.6	21.6	79.9	79.9	5.6	6.8	8	86	87	821333	806837	<0.2	1.5	<0.2	1.5					
						1.0	0.2	239	26.9	27.0	8.0	8.0	21.6	21.6	79.8	79.8	5.6	6.9	8	87	87											
					Middle	4.2	0.1	148	26.7	26.7	8.0	8.0	23.3	23.2	74.8	74.8	5.3	7.7	6	88	88											
						4.2	0.1	161	26.7	26.7	8.0	8.0	23.2	23.2	74.8	74.8	5.3	7.7	6	88	88											
					Bottom	7.4	0.1	35	26.5	26.6	7.9	7.9	23.9	23.8	75.0	75.4	5.3	9.7	6	89	89											
						7.4	0.1	36	26.6	26.6	7.9	7.9	23.8	23.8	75.8	75.4	5.3	9.6	7	90	90											
IM8	Rainy	Moderate	13:54	8.4	Surface	1.0	0.2	42	27.1	27.1	7.7	7.7	21.6	21.7	77.5	77.5	5.5	5.5	7	88	89	821822	808152	<0.2	2.0	<0.2	2.0					
						1.0	0.2	43	27.0	27.1	7.7	7.7	21.8	21.7	77.4	77.4	5.5	5.7	6	89	89											
					Middle	4.2	0.2	52	26.7	26.7	7.8	7.8	22.9	22.9	72.9	73.0	5.1	8.0	7	92	92											
						4.2	0.2	54	26.7	26.7	7.8	7.8	22.9	22.9	73.1	73.1	5.2	8.1	7	92	92											
					Bottom	7.4	0.2	59	26.6																							





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

Water Quality Monitoring Results on **26 May 20** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	08:15	8.1	Surface	1.0	0.4	37	26.2	26.2	8.0	8.0	23.6	23.7	73.4	73.2	5.2	5.8	6	87	89	81	89	89	89	815596	804256	<0.2	1.1	1.1	1.1		
						1.0	0.4	39	26.2	26.2	8.0	8.0	23.7	23.7	73.0	73.0	5.2	5.9	5	86	86	81	89	89	89	815596	804256	<0.2	1.1	1.1	1.1		
						4.1	0.5	26	25.9	25.9	7.9	7.9	27.9	28.0	65.2	65.2	4.5	8.3	6	88	88	81	89	89	89	815596	804256	<0.2	1.1	1.1	1.1		
					4.1	0.5	26	25.8	25.8	7.9	7.9	28.1	28.1	65.2	65.2	4.5	8.7	6	89	89	81	89	89	89	815596	804256	<0.2	1.0	1.0	1.0			
					7.1	0.3	33	25.7	25.7	7.9	7.9	29.1	29.1	67.3	67.3	4.6	11.5	8	90	90	81	89	89	89	815596	804256	<0.2	1.1	1.1	1.1			
					7.1	0.3	33	25.7	25.7	7.9	7.9	29.1	29.1	67.4	67.4	4.7	11.4	8	91	91	81	89	89	89	815596	804256	<0.2	1.1	1.1	1.1			
C2	Fine	Moderate	08:43	12.8	Surface	1.0	0.5	8	27.2	27.2	7.7	7.7	17.2	17.3	80.2	80.1	5.8	4.5	5	89	89	81	89	89	89	825689	806935	<0.2	2.0	2.0	2.0		
						1.0	0.6	8	27.2	27.2	7.7	7.7	17.3	17.3	80.0	80.0	5.8	4.5	6	90	90	81	89	89	89	825689	806935	<0.2	2.0	2.0	2.0		
						6.4	0.5	346	26.7	26.7	7.7	7.7	22.1	22.1	69.8	69.8	4.9	5.6	6	93	93	81	89	89	89	825689	806935	<0.2	2.2	2.2	2.2		
					6.4	0.5	353	26.7	26.7	7.7	7.7	22.1	22.1	69.7	69.7	4.9	6.0	5	93	93	81	89	89	89	825689	806935	<0.2	2.2	2.2	2.2			
					11.8	0.6	343	26.2	26.2	7.7	7.7	25.9	25.9	64.2	64.2	4.5	6.6	7	95	95	81	89	89	89	825689	806935	<0.2	2.2	2.2	2.2			
					11.8	0.6	356	26.2	26.2	7.7	7.7	25.9	25.9	64.6	64.6	4.5	6.5	6	96	96	81	89	89	89	825689	806935	<0.2	2.2	2.2	2.2			
C3	Fine	Moderate	07:03	12.2	Surface	1.0	0.5	294	26.7	26.7	7.8	7.8	22.0	22.0	74.6	74.5	5.3	3.5	5	90	90	81	89	89	89	822128	817791	<0.2	2.2	2.2	2.2		
						1.0	0.5	313	26.7	26.7	7.8	7.8	22.0	22.0	74.4	74.4	5.3	3.5	6	90	90	81	89	89	89	822128	817791	<0.2	2.2	2.2	2.2		
						6.1	0.5	273	26.4	26.4	7.8	7.8	23.7	23.8	69.9	69.9	4.9	3.8	6	93	93	81	89	89	89	822128	817791	<0.2	2.3	2.3	2.3		
					6.1	0.5	287	26.4	26.4	7.8	7.8	23.8	23.8	69.9	69.9	4.9	3.8	6	93	93	81	89	89	89	822128	817791	<0.2	2.5	2.5	2.5			
					11.2	0.3	274	25.6	25.6	7.8	7.8	28.7	28.7	63.6	63.6	4.4	4.9	8	95	95	81	89	89	89	822128	817791	<0.2	2.2	2.2	2.2			
					11.2	0.3	281	25.6	25.6	7.8	7.8	28.7	28.7	63.9	63.9	4.4	4.9	8	96	96	81	89	89	89	822128	817791	<0.2	2.1	2.1	2.1			
IM1	Cloudy	Moderate	08:34	5.6	Surface	1.0	0.1	16	26.7	26.7	7.9	7.9	23.1	23.1	73.8	73.7	5.2	6.7	7	88	88	81	89	89	89	817958	807109	<0.2	1.2	1.2	1.2		
						1.0	0.2	17	26.6	26.6	7.9	7.9	23.2	23.2	73.6	73.6	5.2	6.9	8	87	87	81	89	89	89	817958	807109	<0.2	1.2	1.2	1.2		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.6	0.1	2	26.4	26.4	7.9	7.9	24.1	24.1	71.0	71.0	5.0	9.8	7	90	90	81	89	89	89	817958	807109	<0.2	1.3	1.3	1.3			
					4.6	0.1	2	26.4	26.4	7.9	7.9	24.1	24.1	71.1	71.1	5.0	9.8	6	91	91	81	89	89	89	817958	807109	<0.2	1.4	1.4	1.4			
					1.0	0.3	357	26.6	26.6	8.0	8.0	22.5	22.6	77.9	77.8	5.5	5.4	5	87	87	81	89	89	89	817958	807109	<0.2	1.4	1.4	1.4			
IM2	Cloudy	Moderate	08:42	7.7	Surface	1.0	0.3	328	26.6	26.6	8.0	8.0	22.6	22.6	77.6	77.5	5.5	5.5	6	87	87	81	89	89	89	818149	806171	<0.2	1.3	1.3	1.3		
						3.9	0.3	329	26.5	26.5	7.9	7.9	22.9	22.9	69.4	69.2	4.9	5.6	6	89	89	81	89	89	89	818149	806171	<0.2	1.3	1.3	1.3		
						3.9	0.3	358	26.4	26.4	7.9	7.9	22.9	22.9	68.9	68.9	4.9	5.6	6	89	89	81	89	89	89	818149	806171	<0.2	1.3	1.3	1.3		
					6.7	0.2	352	26.2	26.2	7.9	7.9	25.6	25.6	67.1	67.2	4.7	8.5	8	90	90	81	89	89	89	818149	806171	<0.2	1.4	1.4	1.4			
					6.7	0.2	324	26.2	26.2	7.9	7.9	25.6	25.6	67.2	67.2	4.7	8.4	7	91	91	81	89	89	89	818149	806171	<0.2	1.3	1.3	1.3			
					1.0	0.4	347	26.6	26.6	8.0	8.0	22.5	22.5	73.8	73.7	5.2	5.7	4	86	86	81	89	89	89	89	818149	806171	<0.2	1.4	1.4	1.4		
IM3	Cloudy	Moderate	08:48	8.0	Surface	1.0	0.4	319	26.6	26.6	8.0	8.0	22.6	22.6	73.5	73.5	5.2	5.8	5	88	88	81	89	89	89	818770	805595	<0.2	1.3	1.3	1.3		
						4.0	0.3	333	26.3	26.3	7.9	7.9	23.4	23.4	66.9	66.9	4.7	7.5	6	89	89	81	89	89	89	818770	805595	<0.2	1.4	1.4	1.4		
						4.0	0.3	306	26.3	26.3	7.9	7.9	23.4	23.4	66.8	66.8	4.7	7.8	6	88	88	81	89	89	89	818770	805595	<0.2	1.4	1.4	1.4		
					7.0	0.3	330	26.2	26.2	7.9	7.9	26.0	26.0	66.5	66.5	4.7	11.9	7	90	90	81	89	89	89	818770	805595	<0.2	1.4	1.4	1.4			
					7.0	0.3	343	26.2	26.2	7.9	7.9	26.0	26.0	66.7	66.7	4.7	11.8	6	90	90	81	89	89	89	818770	805595	<0.2	1.3	1.3	1.3			
					1.0	0.9	354	26.6	26.6	8.0	8.0	22.6	22.7	79.9	79.8	5.6	5.0	4	86	86	81	89	89	89	89	818770	805595	<0.2	1.5	1.5	1.5		
IM4	Cloudy	Moderate	08:59	8.2	Surface	1.0	0.9	326	26.6	26.6	8.0	8.0	22.7	22.7	79.7	79.8	5.6	5.0	5	87	87	81	89	89	89	819703	804607	<0.2	1.4	1.4	1.4		
						4.1	0.7	357	26.3	26.3	7.9	7.9	23.3	23.3	72.1	72.1	5.1	5.5	5	88	88	81	89	89	89	819703	804607	<0.2	1.6	1.6	1.6		
						4.1	0.7	328	26.2	26.2	7.9	7.9	23.2	23.3	72.1	72.1	5.1	5.4	6	89	89	81	89	89	89	819703	804607	<0.2	1.7	1.7	1.7		
					7.2	0.4	352	26.1	26.1	7.9	7.9	26.2	26.2	65.3	65.3	4.6	8.3	8	90	90	81	89	89	89	819703	804607	<0.2	1.6	1.6	1.6			
					7.2	0.4	324	26.1	26.1	7.9	7.9	26.2	26.2	65.5	65.5	4.6	8.5	8	91	91	81	89	89	89	819703	804607	<0.2	1.6	1.6	1.6			
					1.0	1.0	8	26.6	26.6	8.0	8.0	22.7	22.7	75.5	75.5	5.3	5.3	7	86	86	81	89	89	89	89	819703	804607	<0.2	1.3	1.3	1.3		
IM5	Cloudy	Moderate	09:06	8.3	Surface	1.0	1.0	8	26.6	26.6	8.0	8.0	22.7	22.7	75.4	75.4	5.3	5.4	7	87	87	81	89	89	89	820717	804868	<0.2	1.4	1.4	1.4		
						4.2	0.9	9	26.4	26.4	7.9	7.9	24.1	24.1	69.8	69.9	4.9	12.0	7	88	88	81	89	89	89	820717	804868	<0.2	1.4	1.4	1.4		
						4.2	0.9	9	26.4	26.4	7.9	7.9	24.1	24.1	69.9	69.9	4.9	11.2	6	89	89	81	89	89	89	820717	804868	<0.2	1.3	1.3	1.3		



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

Water Quality Monitoring Results on 28 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	16:16	8.5	Surface	1.0	0.4	224	27.2	27.2	8.1	8.1	25.3	25.3	88.2	88.1	6.1	3.9	3	82	87	815610	804261	<0.2	1.1	1.0	1.0					
						1.0	0.4	232	27.1	8.1	8.1	25.3	25.3	88.0	88.1	6.1	4.0	4	83	87	815610	804261	<0.2	1.0	1.0	1.0						
						4.3	0.4	206	26.2	8.0	8.0	28.8	28.8	72.3	72.3	5.0	3.7	4	86	87	815610	804261	<0.2	1.0	1.0	1.0						
					Middle	4.3	0.4	218	26.2	8.0	8.0	28.8	28.8	72.3	72.3	5.0	3.7	4	90	87	815610	804261	<0.2	1.0	1.0	1.0						
						7.5	0.3	210	26.0	8.0	8.0	29.6	29.6	67.2	67.3	4.6	7.9	4	90	87	815610	804261	<0.2	1.0	1.0	1.0						
						7.5	0.3	218	26.0	8.0	8.0	29.6	29.6	67.3	67.3	4.6	7.8	4	91	87	815610	804261	<0.2	1.0	1.0	1.0						
					C2	Cloudy	Moderate	15:08	12.5	Surface	1.0	0.3	163	27.8	27.8	1.3	1.3	21.1	21.1	77.8	77.8	5.4	2.6	4	82	86	825677	806926	<0.2	1.4	1.3	1.4
											1.0	0.3	168	27.8	1.3	1.3	21.1	21.1	77.7	77.8	5.4	2.7	4	82	86	825677	806926	<0.2	1.3	1.3	1.4	
											6.3	0.5	165	26.7	26.7	5.5	5.4	25.1	25.1	67.2	67.2	4.7	5.6	4	86	86	825677	806926	<0.2	1.3	1.3	1.4
Middle	6.3	0.5	172	26.7						26.7	5.4	5.4	25.1	25.1	67.2	67.2	4.7	5.6	4	87	86	825677	806926	<0.2	1.4	1.4	1.4					
	11.5	0.3	137	26.2						26.2	11.4	11.3	29.8	29.7	74.0	74.2	5.1	5.4	4	89	86	825677	806926	<0.2	1.3	1.3	1.4					
	11.5	0.4	147	26.3						26.2	11.2	11.3	29.7	29.7	74.4	74.2	5.1	5.1	4	89	86	825677	806926	<0.2	1.4	1.4	1.4					
C3	Cloudy	Moderate	16:48	12.4						Surface	1.0	0.2	46	27.2	27.2	1.2	1.2	25.2	25.2	77.3	77.3	5.3	1.8	5	81	86	822104	817804	<0.2	1.5	1.5	1.5
											1.0	0.2	47	27.2	27.2	1.2	1.2	25.2	25.2	77.2	77.3	5.3	1.8	5	82	86	822104	817804	<0.2	1.5	1.5	1.5
											6.2	0.2	72	26.4	26.4	6.5	6.5	27.6	27.6	68.5	68.6	4.7	3.5	5	87	86	822104	817804	<0.2	1.5	1.5	1.5
					Middle	6.2	0.2	74	26.4	26.4	6.5	6.5	27.6	27.6	68.6	68.6	4.7	3.6	5	88	86	822104	817804	<0.2	1.5	1.5	1.5					
						11.4	0.2	39	26.1	26.1	11.3	11.3	29.6	29.6	72.2	72.3	5.0	4.2	6	89	86	822104	817804	<0.2	1.4	1.4	1.4					
						11.4	0.2	41	26.1	26.1	11.3	11.3	29.6	29.6	72.4	72.3	5.0	4.1	5	89	86	822104	817804	<0.2	1.3	1.3	1.3					
					IM1	Cloudy	Moderate	15:55	5.3	Surface	1.0	0.1	167	26.4	26.4	8.0	8.0	27.0	27.0	68.0	68.1	4.7	5.8	3	83	86	817958	807148	<0.2	0.9	0.9	0.9
											1.0	0.1	176	26.4	26.4	8.0	8.0	27.0	27.0	68.1	68.1	4.7	5.7	4	83	86	817958	807148	<0.2	0.9	0.9	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.3	0.1	178	26.2						26.2	8.0	8.0	28.0	28.0	65.6	65.7	4.5	8.9	4	88	86	817958	807148	<0.2	0.9	0.9	0.9					
	4.3	0.1	188	26.2						26.2	8.0	8.0	28.0	28.0	65.8	65.7	4.5	9.1	5	88	86	817958	807148	<0.2	0.9	0.9	0.9					
IM2	Cloudy	Moderate	15:48	7.4						Surface	1.0	0.2	190	27.7	27.7	8.0	8.0	24.2	24.2	85.8	85.7	5.9	5.2	5	80	85	818148	806154	<0.2	1.0	1.0	0.9
											1.0	0.2	206	27.7	27.7	8.0	8.0	24.2	24.2	85.5	85.7	5.9	5.1	4	81	85	818148	806154	<0.2	1.0	1.0	0.9
											3.7	0.2	139	26.3	26.3	8.0	8.0	28.5	28.5	71.7	71.6	4.9	4.8	5	84	85	818148	806154	<0.2	1.0	1.0	0.9
					Middle	3.7	0.2	147	26.2	26.2	8.0	8.0	28.5	28.5	71.4	71.6	4.9	5.2	5	84	85	818148	806154	<0.2	1.0	1.0	0.9					
						6.4	0.1	130	26.1	26.1	8.0	8.0	28.8	28.8	67.4	67.5	4.6	9.0	4	89	85	818148	806154	<0.2	0.8	0.8	0.9					
						6.4	0.2	135	26.1	26.1	8.0	8.0	28.8	28.8	67.6	67.5	4.7	8.8	4	90	85	818148	806154	<0.2	0.9	0.9	0.9					
					IM3	Cloudy	Moderate	15:40	7.6	Surface	1.0	0.3	144	26.7	26.7	8.0	8.0	26.7	26.7	71.5	71.5	4.9	6.6	5	80	85	818807	805611	<0.2	0.9	0.8	0.9
											1.0	0.3	150	26.7	26.7	8.0	8.0	26.7	26.7	71.4	71.5	4.9	6.6	4	80	85	818807	805611	<0.2	0.8	0.8	0.9
											3.8	0.3	142	26.3	26.3	8.0	8.0	28.2	28.1	68.9	68.9	4.8	6.4	5	85	85	818807	805611	<0.2	0.8	0.8	0.9
Middle	3.8	0.3	156	26.3						26.3	8.0	8.0	28.1	28.1	68.9	68.9	4.8	6.5	6	85	85	818807	805611	<0.2	0.8	0.8	0.9					
	6.6	0.3	124	26.1						26.1	8.0	8.0	28.8	28.8	68.1	68.2	4.7	9.7	6	89	85	818807	805611	<0.2	1.0	1.0	1.1					
	6.6	0.3	129	26.1						26.1	8.0	8.0	28.8	28.8	68.2	68.2	4.7	9.6	6	89	85	818807	805611	<0.2	1.1	1.1	1.1					
IM4	Cloudy	Moderate	15:31	8.7						Surface	1.0	0.4	199	26.7	26.7	8.0	8.0	25.7	25.7	69.7	69.7	4.8	6.6	9	81	84	819743	804606	<0.2	1.0	1.1	1.1
											1.0	0.4	218	26.7	26.7	8.0	8.0	25.7	25.7	69.6	69.7	4.8	6.6	8	81	84	819743	804606	<0.2	1.0	1.1	1.1
											4.4	0.4	170	26.2	26.2	8.0	8.0	28.5	28.5	68.0	68.0	4.7	6.6	8	83	84	819743	804606	<0.2	1.0	1.0	1.0
					Middle	4.4	0.4	181	26.2	26.2	8.0	8.0	28.5	28.5	68.0	68.0	4.7	6.6	9	84	84	819743	804606	<0.2	1.0	1.0	1.0					
						7.7	0.3	157	26.1	26.1	8.0	8.0	29.1	29.1	66.2	66.3	4.6	8.1	8	88	84	819743	804606	<0.2	1.2	1.2	1.2					
						7.7	0.3	167	26.1	26.1	8.0	8.0	29.1	29.1	66.3	66.3	4.6	8.1	7	89	84	819743	804606	<0.2	1.1	1.1	1.1					
					IM5	Cloudy	Moderate	15:23	7.2	Surface	1.0	0.4	218	27.3	27.3	8.0	8.0	23.5	23.5	77.6	77.5	5.4	5.3	6	81	85	820724	804875	<0.2	1.3	1.4	1.4
											1.0	0.4	227	27.3	27.3	8.0	8.0	23.5	23.5	77.3	77.5	5.4	5.3	5	82	85	820724	804875	<0.2	1.4	1.4	1.4
											3.6	0.4	173	26.1	26.1	8.0	8.0	28.5	28.5	67.2	67.2	4.6	6.4	4	84	85	820724	804875	<0.2	1.3	1.3	1.4
Middle	3.6	0.4	182	26.1						26.1	8.0	8.0	28.5	28.5	67.1	67.2	4.6	6.5	5	85	85	820724	804875	<0.2	1.4	1.4	1.4					
	6.2	0.3	169	26.1						26.1	8.0	8.0	28.7	28.7	66.6	66.7	4.6	8.2	5	89	85	820724	804875	<0.2	1.4	1.4	1.4					
	6.2	0.3	171	26.1						26.1	8.0	8.0	28.7	28.7	66.7	66.7	4.6	8.3	5	89	85	820724	804875	<0.2	1.5	1.5	1.5					
IM6	Cloudy	Moderate	15:15	7.7						Surface	1.0	0.3	252	27.1	27.1	8.0	8.0	23.2	23.2	73.6	73.6	5.1	6.0	6	80	84	821070	805816	<0.2	1.4	1.5	1.4
											1.0	0.3	264	27.1	27.1	8.0	8.0	23.2	23.2	73.6	73.6	5.1	6.0	5	81	84	821070	805816	<0.2	1.5	1.5	1.4
											3.9	0.2	189	26.3	26.3	8.0	8.0	27.5	27.6	68.2	68.2	4.7	6.0	6	84	84	821070	805816	<0.2	1.3	1.3	1.4
					Middle	3.9	0.2	204	26.3	26.3	8.0	8.0	27.6	27.6	68.2	68.2	4.7	6														

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

Water Quality Monitoring Results on 28 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	15:36	7.8	Surface	1.0	0.3	145	27.8	27.8	1.0	1.0	20.9	20.9	80.2	80.1	5.6	5.4	2.1	2.7	4	5	83	86	822099	808802	<0.2	1.5	<0.2	1.4					
						1.0	0.3	158	27.8	1.0	1.0	20.9	20.9	80.0	80.0	5.6	5.4	2.2	2.7	5	5	83	86	<0.2	1.5	<0.2	1.4								
						3.9	0.2	106	27.3	3.9	3.9	22.3	22.3	74.9	75.0	5.2	5.4	2.8	2.7	5	5	86	89	<0.2	1.5	<0.2	1.4								
					Middle	3.9	0.2	110	27.2	3.9	3.9	22.3	22.3	75.0	75.0	5.3	5.4	2.8	2.7	4	4	87	90	<0.2	1.5	<0.2	1.4								
						6.8	0.2	76	27.0	6.8	6.8	25.5	25.5	81.0	81.3	5.6	5.6	3.1	3.1	4	4	89	90	<0.2	1.5	<0.2	1.4								
						6.8	0.2	83	27.1	6.8	6.8	25.5	25.5	81.6	81.6	5.6	5.6	3.1	3.1	5	5	89	90	<0.2	1.5	<0.2	1.4								
					IM10	Cloudy	Moderate	15:42	7.7	Surface	1.0	0.5	135	27.6	27.6	1.1	1.1	22.1	22.1	78.5	78.4	5.5	5.4	2.3	3.2	5	5	84	86	822371	809787	<0.2	1.5	<0.2	1.5
											1.0	0.6	140	27.6	1.1	1.1	22.1	22.1	78.3	78.3	5.5	5.4	2.3	3.2	5	5	84	86	<0.2	1.5	<0.2	1.5			
											3.9	0.5	128	27.0	4.5	4.5	23.8	23.8	74.5	74.5	5.2	5.4	3.4	3.2	6	5	86	89	<0.2	1.5	<0.2	1.5			
Middle	3.9	0.5	128	27.0						4.5	4.5	23.8	23.8	74.4	74.4	5.2	5.4	3.5	3.2	5	5	87	89	<0.2	1.5	<0.2	1.4								
	6.7	0.4	123	26.8						6.7	6.7	26.2	26.2	80.3	80.6	5.5	5.6	3.8	3.7	5	5	89	90	<0.2	1.5	<0.2	1.6								
	6.7	0.4	124	26.9						6.7	6.7	26.2	26.2	80.8	80.8	5.6	5.6	3.7	3.7	4	4	89	90	<0.2	1.5	<0.2	1.5								
IM11	Cloudy	Moderate	15:52	7.8						Surface	1.0	0.6	86	27.2	27.2	1.2	1.2	23.1	23.1	72.1	72.1	5.0	4.9	2.9	5.8	4	4	81	87	822042	811436	<0.2	1.5	<0.2	1.5
											1.0	0.6	93	27.2	1.2	1.2	23.1	23.1	72.0	72.0	5.0	4.9	2.9	5.8	4	4	81	87	<0.2	1.5	<0.2	1.5			
											3.9	0.5	100	26.7	3.9	3.9	25.6	25.6	68.0	68.0	4.7	4.9	6.5	5.8	4	4	87	90	<0.2	1.5	<0.2	1.5			
					Middle	3.9	0.5	102	26.7	3.9	3.9	25.6	25.6	68.0	68.0	4.7	4.9	6.6	5.8	4	4	87	90	<0.2	1.5	<0.2	1.5								
						6.8	0.4	107	26.6	7.0	7.0	26.3	26.3	70.4	70.5	4.9	4.9	7.8	7.8	4	4	90	90	<0.2	1.5	<0.2	1.6								
						6.8	0.4	110	26.6	7.0	7.0	26.3	26.3	70.6	70.6	4.9	4.9	7.8	7.8	4	4	90	90	<0.2	1.5	<0.2	1.6								
					IM12	Cloudy	Moderate	15:58	10.1	Surface	1.0	0.6	108	27.5	27.5	0.9	0.9	22.3	22.3	76.4	76.4	5.3	5.1	2.2	5.1	6	5	83	86	821459	812034	<0.2	1.5	<0.2	1.5
											1.0	0.6	115	27.5	0.9	0.9	22.3	22.3	76.3	76.3	5.3	5.1	2.2	5.1	5	5	84	86	<0.2	1.5	<0.2	1.5			
											5.1	0.4	95	26.9	5.3	5.3	24.9	24.9	69.6	69.7	4.8	5.1	6.5	5.1	6	5	86	89	<0.2	1.5	<0.2	1.5			
Middle	5.1	0.4	95	26.9						5.3	5.3	24.9	24.9	69.7	69.7	4.8	5.1	6.5	5.1	5	5	87	89	<0.2	1.5	<0.2	1.5								
	9.1	0.3	96	26.8						9.1	9.1	26.4	26.4	74.1	74.3	5.1	5.1	6.5	6.4	3	3	89	89	<0.2	1.4	<0.2	1.6								
	9.1	0.3	101	26.8						9.1	9.1	26.4	26.4	74.5	74.5	5.1	5.1	6.4	6.4	4	4	89	89	<0.2	1.6	<0.2	1.6								
SR1A	Cloudy	Calm	16:16	5.1						Surface	1.0	-	-	27.7	27.7	1.0	1.0	21.5	21.5	82.9	82.9	5.8	5.8	1.9	5.8	6	6	-	-	819981	812659	-	-	-	-
											1.0	-	-	27.7	27.7	1.0	1.0	21.5	21.5	82.9	82.9	5.8	5.8	1.9	5.8	7	7	-	-	-	-	-	-		
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.1	-	-	27.4	27.4	4.2	4.2	24.4	24.3	87.5	87.8	6.1	6.1	2.4	6.1	6	6	-	-	-	-	-	-	-	-	-	-			
						4.1	-	-	27.4	27.4	4.2	4.2	24.4	24.3	88.0	88.0	6.1	6.1	2.4	6.1	6	6	-	-	-	-	-	-	-	-	-	-			
					SR2	Cloudy	Moderate	16:28	3.9	Surface	1.0	0.5	77	27.3	27.2	0.9	0.9	23.1	23.1	75.4	75.5	5.3	5.3	2.7	5.3	3	4	83	84	821478	814158	<0.2	1.5	<0.2	1.3
											1.0	0.5	77	27.2	0.9	0.9	23.1	23.1	75.5	75.5	5.3	5.3	2.7	5.3	4	4	84	85	<0.2	1.5	<0.2	1.3			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	2.9	0.3	75	27.2						3.2	3.2	24.2	23.8	79.3	79.5	5.5	5.6	2.7	5.6	5	5	85	86	<0.2	1.6	<0.2	1.4								
	2.9	0.3	77	27.2						3.2	3.2	24.2	23.8	79.7	79.7	5.6	5.6	2.7	5.6	4	4	86	86	<0.2	1.6	<0.2	1.4								
SR3	Cloudy	Moderate	15:25	9.6						Surface	1.0	0.3	212	28.1	28.1	0.9	0.9	20.3	20.3	82.3	82.2	5.7	5.4	2.3	5.4	4	4	-	-	822146	807563	-	-	-	-
											1.0	0.3	232	28.1	28.1	0.9	0.9	20.3	20.3	82.1	82.1	5.7	5.4	2.3	5.4	4	4	-	-	-	-	-	-	-	-
											4.8	0.1	229	26.8	26.7	5.1	5.1	25.2	25.2	72.1	72.3	5.0	5.1	4.3	5.1	4	4	-	-	-	-	-	-	-	-
					Middle	4.8	0.1	233	26.7	26.7	5.1	5.1	25.2	25.2	72.4	72.3	5.0	5.1	4.3	5.1	4	4	-	-	-	-	-	-	-	-	-	-			
						8.6	0.2	56	26.6	26.7	7.7	7.7	28.2	28.2	79.7	79.9	5.5	5.5	4.5	5.5	4	4	-	-	-	-	-	-	-	-	-				
						8.6	0.2	60	26.7	26.7	7.7	7.7	28.2	28.2	80.1	80.1	5.5	5.5	4.4	5.5	3	3	-	-	-	-	-	-	-	-	-				
					SR4A	Cloudy	Calm	16:39	9.6	Surface	1.0	0.1	331	27.2	27.2	8.0	8.0	25.1	25.1	83.4	83.3	5.8	5.1	5.5	5.1	5	5	-	-	817173	807800	-	-	-	-
											1.0	0.1	348	27.2	27.2	8.0	8.0	25.2	25.1	83.1	83.1	5.7	5.1	5.5	5.1	4	4	-	-	-	-	-	-	-	-
											4.8	0.0	5	26.2	26.2	8.0	8.0	28.2	28.2	64.1	64.1	4.4	4.4	8.2	7.9	5	5	-	-	-	-	-	-	-	-
Middle	4.8	0.0	5	26.2						26.2	8.0	8.0	28.2	28.2	64.1	64.1	4.4	4.4	8.2	7.9	5	5	-	-	-	-	-	-	-	-	-	-			
	8.6	0.0	211	26.2						26.2	8.0	8.0	28.6	28.6	64.6	64.7	4.5	4.5	10.1	10.1	5	5	-	-	-	-	-	-	-	-	-				
	8.6	0.0	212	26.2						26.2	8.0	8.0	28.6	28.6	64.7	64.7	4.5	4.5	10.1	10.1	6	6	-	-	-	-	-	-	-	-					
SR5A	Cloudy	Calm	17:00	3.6						Surface	1.0	0.0	175	27.3	27.3	8.0	8.0	22.8	22.8	76.4	76.3	5.3	5.3	7.8	5.3	5	6	-	-	816598	810715	-	-	-	-
											1.0	0.0	183	27.3	27.3	8.0	8.0	22.8	22.8	76.1	76.1	5.3	5.3	7.9	5.3	6	6	-	-	-	-	-	-	-	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.6	0.0	262	27.1	27.1	8.0	8.0	23.6	23.6																					

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

Water Quality Monitoring Results on 28 May 20 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	Average	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
						Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	09:50	8.6	Surface	1.0	0.4	45	26.7	26.7	8.0	8.0	25.0	24.9	73.1	73.1	5.1	4.4	4.4	5	83	87	815606	804242	<0.2	1.5	1.7	1.4			
						1.0	0.4	48	26.7	26.7	8.0	8.0	24.9	24.9	73.1	73.1	5.1	4.4	4.4	4	84	86	<0.2	1.4	1.4	1.4					
						4.3	0.3	41	26.1	26.1	8.0	8.0	28.5	28.5	67.1	67.1	4.6	4.7	4.7	5	87	87	<0.2	1.3	1.3	1.3					
					Middle	4.3	0.4	44	26.1	26.1	8.0	8.0	28.5	28.5	67.1	67.1	4.6	4.7	4.7	5	87	87	<0.2	1.3	1.3	1.3					
						7.6	0.2	27	25.9	25.9	8.0	8.0	30.0	30.0	66.2	66.2	4.5	4.5	4.5	4	90	90	<0.2	1.3	1.3	1.3					
						7.6	0.2	28	25.9	25.9	8.0	8.0	30.0	30.0	66.2	66.2	4.5	4.5	4.5	5	90	90	<0.2	1.3	1.3	1.3					
C2	Cloudy	Moderate	10:30	12.6	Surface	1.0	0.3	353	27.9	27.9	1.1	1.1	18.8	18.7	83.3	83.3	5.9	2.4	2.4	4	82	85	825690	806933	<0.2	1.3	1.4	1.7			
						1.0	0.3	358	27.9	27.9	1.1	1.1	18.7	18.7	83.2	83.2	5.9	2.4	2.4	5	83	84	<0.2	1.4	1.4	1.4					
						6.3	0.4	21	26.8	26.8	6.3	6.3	24.5	24.5	67.4	67.4	4.7	5.5	5.5	4	84	84	<0.2	1.9	1.8	1.8					
					Middle	6.3	0.4	21	26.8	26.8	6.3	6.3	24.5	24.5	67.5	67.5	4.7	5.5	5.5	4	84	84	<0.2	1.8	1.8	1.8					
						11.6	0.4	354	26.5	26.5	12.6	12.6	27.7	27.6	73.7	73.9	5.1	6.6	6.6	4	89	88	<0.2	1.9	1.9	1.9					
						11.6	0.5	326	26.6	26.6	12.3	12.3	27.6	27.6	74.1	74.1	5.1	6.2	6.2	3	88	88	<0.2	1.8	1.8	1.8					
C3	Cloudy	Moderate	08:47	12.2	Surface	1.0	0.3	259	27.3	27.3	0.8	0.7	21.5	21.5	79.5	79.5	5.6	1.5	1.5	3	83	87	822110	817795	<0.2	1.8	1.8	1.8			
						1.0	0.3	274	27.3	27.3	0.7	0.7	21.5	21.5	79.4	79.4	5.6	1.5	1.5	3	84	86	<0.2	1.8	1.8	1.8					
						6.1	0.4	253	26.0	26.0	7.2	7.2	29.2	29.2	65.1	65.1	4.5	1.2	1.2	3	87	87	<0.2	1.8	1.8	1.8					
					Middle	6.1	0.4	268	26.0	26.0	7.2	7.2	29.2	29.2	65.1	65.1	4.5	1.2	1.2	3	87	87	<0.2	1.8	1.8	1.8					
						11.2	0.4	267	25.9	25.9	11.1	11.1	30.2	30.2	69.6	69.8	4.8	2.8	2.8	4	90	91	<0.2	1.8	1.8	1.8					
						11.2	0.4	278	25.9	25.9	11.1	11.1	30.2	30.2	69.9	69.9	4.8	2.8	2.8	3	91	91	<0.2	1.9	1.9	1.9					
IM1	Rainy	Moderate	10:10	5.4	Surface	1.0	0.1	10	26.5	26.5	8.0	8.0	25.9	25.9	68.7	68.8	4.8	5.6	5.6	5	85	87	818171	807151	<0.2	1.6	1.6	1.6			
						1.0	0.1	10	26.5	26.5	8.0	8.0	25.9	25.9	68.8	68.8	4.8	5.6	5.6	4	85	85	<0.2	1.6	1.6	1.6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.4	0.1	29	26.3	26.3	8.0	8.0	27.4	27.4	66.3	66.3	4.6	8.2	8.2	5	88	88	<0.2	1.6	1.6	1.6					
						4.4	0.1	30	26.3	26.3	8.0	8.0	27.4	27.4	66.3	66.3	4.6	8.0	8.0	5	88	88	<0.2	1.6	1.6	1.6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Cloudy	Moderate	10:17	7.6	Surface	1.0	0.2	342	26.7	26.7	8.0	8.0	25.2	25.1	71.0	71.0	4.9	4.4	4.4	4	82	86	818171	806162	<0.2	2.0	2.0	1.5			
						1.0	0.2	353	26.7	26.7	8.0	8.0	25.1	25.1	71.0	71.0	4.9	4.4	4.4	4	82	85	<0.2	2.0	2.0	2.0					
						3.8	0.2	12	26.3	26.3	8.0	8.0	27.0	27.0	67.9	67.9	4.7	5.8	5.8	3	85	86	<0.2	1.3	1.3	1.3					
					Middle	3.8	0.2	12	26.3	26.3	8.0	8.0	27.0	27.0	67.9	67.9	4.7	5.8	5.8	4	86	89	<0.2	1.1	1.1	1.1					
						6.6	0.2	1	26.1	26.1	8.0	8.0	28.3	28.3	65.4	65.5	4.5	9.1	9.1	4	89	90	<0.2	1.1	1.1	1.1					
						6.6	0.2	1	26.1	26.1	8.0	8.0	28.3	28.3	65.6	65.5	4.5	9.2	9.2	4	90	90	<0.2	1.2	1.2	1.2					
IM3	Cloudy	Moderate	10:25	7.9	Surface	1.0	0.2	330	26.6	26.6	8.0	8.0	25.3	25.3	69.4	69.4	4.8	4.7	4.7	4	82	86	818170	805591	<0.2	1.4	1.5	1.4			
						1.0	0.3	338	26.6	26.6	8.0	8.0	25.3	25.3	69.4	69.4	4.8	4.7	4.7	3	83	85	<0.2	1.5	1.5	1.5					
						4.0	0.3	332	26.5	26.5	8.0	8.0	25.7	25.7	68.9	68.9	4.8	5.0	5.0	3	85	86	<0.2	1.4	1.4	1.4					
					Middle	4.0	0.3	337	26.5	26.5	8.0	8.0	25.7	25.7	68.9	68.9	4.8	5.0	5.0	3	86	89	<0.2	1.4	1.4	1.4					
						6.9	0.2	355	26.1	26.1	8.0	8.0	28.5	28.5	64.0	64.1	4.4	8.0	8.0	4	89	89	<0.2	1.3	1.3	1.3					
						6.9	0.3	327	26.1	26.1	8.0	8.0	28.5	28.5	64.1	64.1	4.4	8.0	8.0	3	89	89	<0.2	1.2	1.2	1.2					
IM4	Cloudy	Moderate	10:34	8.8	Surface	1.0	0.6	340	26.7	26.7	8.0	8.0	24.4	24.4	71.3	71.2	5.0	4.4	4.4	5	82	86	819708	804603	<0.2	1.4	1.5	1.5			
						1.0	0.6	313	26.7	26.7	8.0	8.0	24.4	24.4	71.1	71.1	5.0	4.4	4.4	4	82	86	<0.2	1.5	1.5	1.5					
						4.4	0.5	354	26.5	26.5	8.0	8.0	25.8	25.7	69.0	68.9	4.8	4.6	4.6	4	86	87	<0.2	1.6	1.6	1.6					
					Middle	4.4	0.6	326	26.5	26.5	8.0	8.0	25.7	25.7	68.8	68.8	4.8	4.6	4.6	4	87	90	<0.2	1.5	1.5	1.5					
						7.8	0.4	4	26.0	26.0	8.0	8.0	28.6	28.6	65.5	65.6	4.5	8.1	8.1	4	90	90	<0.2	1.6	1.6	1.6					
						7.8	0.5	4	26.0	26.0	8.0	8.0	28.6	28.6	65.6	65.6	4.5	8.0	8.0	4	90	90	<0.2	1.5	1.5	1.5					
IM5	Cloudy	Moderate	10:43	7.9	Surface	1.0	0.8	3	26.7	26.8	8.0	8.0	24.8	24.8	72.2	72.3	5.0	5.5	5.5	3	82	85	820742	804863	<0.2	1.5	1.6	1.5			
						1.0	0.8	3	26.8	26.8	8.0	8.0	24.8	24.8	72.3	72.3	5.0	5.4	5.4	2	82	85	<0.2	1.6	1.6	1.6					
						4.0	0.7	19	26.2	26.2	8.0	8.0	27.8	27.8	66.3	66.3	4.6	7.1	7.1	4	85	85	<0.2	1.5	1.5	1.5					
					Middle	4.0	0.7	19	26.2	26.2	8.0	8.0	27.8	27.8	66.3	66.3	4.6	7.0	7.0	4	85	89	<0.2	1.6	1.6	1.6					
						6.9	0.5	28	26.1	26.1	8.0	8.0	28.1	28.1	66.3	66.3	4.6	11.6	11.6	4	89	89	<0.2	1.5	1.5	1.5					
						6.9	0.5	30	26.1	26.1	8.0	8.0	28.1	28.1	66.3	66.3	4.6	11.7	11.7	4	89	89	<0.2	1.5	1.5	1.5					
IM6	Cloudy	Moderate	10:51	7.8	Surface	1.0	0.1	137	27.3	27.3	8.0	8.0	20.6	20.6	75.9	75.9	5.4	5.4	5.4	4	81	86	821079	805811	<0.2	2.0	1.8	1.8			
						1.0	0.1	144	27.3	27.3	8.0	8.0	20.7	20.7	75.8	75.8	5.4	5.4	5.4	4	82	86	<0.2	1.8	1.8	1.8					
						3.9	0.4	63	26.5	26.5	8.0	8.0	25.8	25.8	67.1	67.1	4.7	8.9	8.9	4	86	86	<0.2	1.8	1.8	1.8					
					Middle	3.9	0.5	65	26.5	26.5	8.0	8.0	25.8	25.8	67.0	67.1	4.7	8.9	8.9	4	86	89	<0.2	2.0	2.0	2.0					
						6.8	0.3	59	26.2	26.2	8.0	8.0	27.9	27.9	64.7	64.8	4.5	12.4	12.4	4	89	89	<0.2	1.6	1.6	1.6					
						6.8	0.3	62	26.2	26.2	8.0	8.0	27.9	27.9	64.8	64.8	4.5	12.3	12.3	4	89	89	<0.2	1.6	1.6	1.6					
IM7	Cloudy	Moderate	11:00	9.2	Surface	1.0	0.1	230	27.2	27.2	8.0	8.0	21.1	21.1	72.6	72.7	5.1	5.6	5.6	3	81	85	821350	806833	<0.2	1.9	2.1	2.1			
						1.0	0.1	238	27.2	27.2	8.0	8.0	21.1	21.1	72.7	72.7	5.1	5.6	5.6	3	81	85	<0.2	1.9	1.9	1.9					
						4.6	0.2	93	26.7	26.7	8.0	8.0	24.1	24.1	69.9	69.9	4.9	6.6	6.6	3	85	85	<0.2	2.2	2.2	2.2					
					Middle	4.6	0.2	93	26.7	26.7	8.0	8.0	24.1	24.1	69.9	69.9	4.9	6.5	6.5	3	85	88	<0.2	2.2	2.2	2.2					
						8.2	0.3	82	26.1	26.1	8.0	8.0	28.1	28.1	65.4	65.5	4.5	8.8	8.8	3	88	88	<0.2	2.1	2.1	2.1					
						8.2	0.3	88	26.1	26.1	8.0	8.0	28.1																		



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

Water Quality Monitoring

Water Quality Monitoring Results on 30 May 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
						Value	Average	Value	Average	Value	Average	Value	Average	Value	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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	06:52	8.4	Surface	1.0	0.3	247	27.2	27.2	7.8	7.8	22.2	22.2	83.0	82.9	5.8	5.3	3.8	4	87	89	89	89	89	89	815597	804248	<0.2	1.4	1.4	1.5					
						1.0	0.3	250	27.2	27.2	7.8	7.8	22.2	22.2	82.7	82.9	5.8	5.3	3.9	4	86	89	89	89	89	89	89	89	<0.2	1.4	1.4	1.5					
						4.2	0.2	214	26.5	26.5	7.8	7.8	28.0	28.0	68.4	68.4	4.7	5.1	5.1	5	88	89	89	89	89	89	89	89	<0.2	1.4	1.4	1.5					
					Middle	4.2	0.2	233	26.5	26.5	7.8	7.8	28.0	28.0	68.4	68.4	4.7	5.1	4	5	88	89	89	89	89	89	89	89	<0.2	1.4	1.4	1.5					
						7.4	0.2	202	26.3	26.3	7.8	7.8	28.7	28.7	65.7	65.7	4.5	4.5	7.7	4	90	89	89	89	89	89	89	89	<0.2	1.5	1.5	1.6					
						7.4	0.2	220	26.3	26.3	7.8	7.8	28.7	28.7	65.7	65.7	4.5	4.5	7.8	4	91	89	89	89	89	89	89	89	<0.2	1.6	1.6	1.6					
					C2	Rainy	Moderate	08:33	11.9	Surface	1.0	0.1	185	27.1	27.1	8.1	8.1	20.8	20.8	84.6	84.6	6.0	5.5	5.8	6	86	88	88	88	88	88	825668	806949	<0.2	1.8	1.8	1.8
											1.0	0.1	192	27.1	27.1	8.1	8.1	20.8	20.8	84.6	84.6	6.0	5.5	5.8	6	85	88	88	88	88	88	88	88	<0.2	1.8	1.8	1.8
											6.0	0.1	214	27.3	27.3	8.0	8.0	22.7	22.7	72.4	72.4	5.1	4.9	5	5	88	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8
Middle	6.0	0.2	223	27.3						27.3	8.0	8.0	22.7	22.7	72.3	72.3	5.0	4.9	6	6	89	89	89	89	89	89	89	89	<0.2	2.0	2.0	2.0					
	10.9	0.2	179	26.1						26.1	8.0	8.0	28.1	28.0	57.9	58.0	4.0	4.0	10.1	6	90	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8					
	10.9	0.2	179	26.2						26.2	8.0	8.0	28.0	28.0	58.1	58.0	4.0	4.0	9.5	5	90	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8					
C3	Rainy	Moderate	06:17	12.0						Surface	1.0	0.3	72	26.6	26.6	8.0	8.0	25.7	25.7	77.9	77.9	5.4	5.1	3.0	2	87	88	88	88	88	88	822127	817786	<0.2	1.8	1.9	1.8
											1.0	0.3	74	26.6	26.6	8.0	8.0	25.7	25.7	77.8	77.8	5.4	5.1	3.0	2	86	88	88	88	88	88	88	88	<0.2	1.9	1.9	1.8
											6.0	0.1	308	26.2	26.2	8.0	8.0	28.4	28.4	69.4	69.6	4.8	3.1	2	2	88	88	88	88	88	88	88	88	<0.2	1.9	1.9	1.8
					Middle	6.0	0.1	328	26.2	26.2	8.0	8.0	28.4	28.4	69.7	69.6	4.8	3.2	2	2	88	88	88	88	88	88	88	88	<0.2	1.9	1.9	1.8					
						11.0	0.2	332	25.9	25.9	7.9	7.9	29.7	29.7	64.4	64.5	4.4	4.4	4.5	<2	90	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8					
						11.0	0.2	350	25.9	25.9	7.9	7.9	29.6	29.7	64.5	64.5	4.4	4.4	4.4	<2	90	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8					
					IM1	Rainy	Moderate	07:16	5.2	Surface	1.0	0.1	195	27.4	27.4	7.9	7.9	21.7	21.7	88.7	88.7	6.2	6.2	3.5	4	87	88	88	88	88	88	817925	807116	<0.2	1.6	1.6	1.6
											1.0	0.1	204	27.4	27.4	7.9	7.9	21.7	21.7	88.7	88.7	6.2	3.5	3	3	88	88	88	88	88	88	88	88	<0.2	1.6	1.6	1.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4.2	0.1	208	27.5						27.5	7.9	7.9	22.0	22.0	87.0	87.1	6.1	6.1	3.9	3	89	89	89	89	89	89	89	89	<0.2	1.6	1.6	1.6					
	4.2	0.1	228	27.5						27.5	7.9	7.9	22.0	22.0	87.1	87.1	6.1	6.1	3.9	3	89	89	89	89	89	89	89	89	<0.2	1.6	1.6	1.6					
IM2	Rainy	Moderate	07:25	7.1						Surface	1.0	0.2	187	27.4	27.4	7.9	7.9	21.8	21.8	85.8	85.7	6.0	5.9	3.6	3	85	86	86	86	86	86	818185	806167	<0.2	1.8	1.7	1.7
											1.0	0.2	201	27.4	27.4	7.9	7.9	21.8	21.8	85.6	85.7	6.0	3.6	3	3	86	86	86	86	86	86	86	86	<0.2	1.7	1.7	1.7
											3.6	0.1	224	27.6	27.6	7.9	7.9	22.5	22.5	83.2	83.1	5.8	4.0	3	3	88	88	88	88	88	88	88	88	<0.2	1.7	1.7	1.7
					Middle	3.6	0.1	238	27.6	27.6	7.9	7.9	22.5	22.5	82.9	83.1	5.8	4.0	3	3	88	88	88	88	88	88	88	88	<0.2	1.6	1.6	1.6					
						6.1	0.1	138	26.9	26.9	7.8	7.8	26.1	26.0	73.4	73.6	5.1	10.9	4	4	90	89	89	89	89	89	89	89	<0.2	1.7	1.7	1.7					
						6.1	0.1	139	26.9	26.9	7.8	7.8	26.0	26.0	73.7	73.6	5.1	10.8	4	4	90	89	89	89	89	89	89	89	<0.2	1.7	1.7	1.7					
					IM3	Rainy	Moderate	07:36	7.3	Surface	1.0	0.1	174	27.5	27.5	7.9	7.9	21.7	21.7	83.6	83.6	5.9	5.9	3.9	4	86	85	85	85	85	85	818778	805579	<0.2	1.8	1.8	1.8
											1.0	0.1	183	27.5	27.5	7.9	7.9	21.7	21.7	83.5	83.6	5.9	3.9	4	4	85	85	85	85	85	85	85	85	<0.2	1.8	1.8	1.8
											3.7	0.1	87	27.3	27.3	7.8	7.8	24.7	24.7	76.6	76.7	5.3	4.8	5	5	87	88	88	88	88	88	88	88	<0.2	1.7	1.7	1.7
Middle	3.7	0.1	95	27.3						27.3	7.8	7.8	24.7	24.7	76.8	76.7	5.3	4.8	4	4	88	88	88	88	88	88	88	88	<0.2	1.6	1.6	1.6					
	6.3	0.2	96	26.9						26.9	7.8	7.8	26.1	26.1	72.7	72.8	5.0	10.9	4	4	90	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8					
	6.3	0.2	101	26.9						26.9	7.8	7.8	26.1	26.1	72.8	72.8	5.0	10.9	4	4	89	89	89	89	89	89	89	89	<0.2	1.8	1.8	1.8					
IM4	Rainy	Moderate	07:48	8.2						Surface	1.0	0.5	199	27.5	27.5	7.8	7.8	19.9	19.9	85.9	85.9	6.1	5.8	4.8	6	85	85	85	85	85	85	819724	804584	<0.2	2.0	1.9	1.9
											1.0	0.5	218	27.5	27.5	7.8	7.8	19.9	19.9	85.9	85.9	6.1	4.8	4	4	85	85	85	85	85	85	85	85	<0.2	1.9	1.9	1.9
											4.1	0.2	156	27.4	27.4	7.8	7.8	23.5	23.5	77.7	77.7	5.4	5.4	5	5	87	88	88	88	88	88	88	88	<0.2	1.9	1.9	1.9
					Middle	4.1	0.3	156	27.4	27.4	7.8	7.8	23.6	23.5	77.6	77.7	5.4	5.4	5	5	88	88	88	88	88	88	88	88	<0.2	1.9	1.9	1.9					
						7.2	0.2	114	26.7	26.7	7.8	7.8	26.5	26.5	69.1	69.2	4.8	9.8	4	4	90	89	89	89	89	89	89	89	<0.2	2.0	2.0	2.0					
						7.2	0.2	123	26.7	26.7	7.8	7.8	26.5	26.5	69.2	69.2	4.8	9.8	3	3	89	89	89	89	89	89	89	89	<0.2	1.9	1.9	1.9					
					IM5	Rainy	Moderate	07:59	7.7	Surface	1.0	0.3	172	27.5	27.5	7.9	7.9	20.3	20.3	86.1	86.1	6.1	5.9	4.8	5	85	85	85	85	85	85	820713	804880	<0.2	1.9	1.8	1.8
											1.0	0.3	178	27.5	27.5	7.9	7.9	20.3	20.3	86.0	86.1	6.1	4.8	5	5	85	85	85	85	85	85	85	85	<0.2	1.8	1.8	1.8
											3.9	0.4	154	27.5	27.5	7.8	7.8	22.4	2																		





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

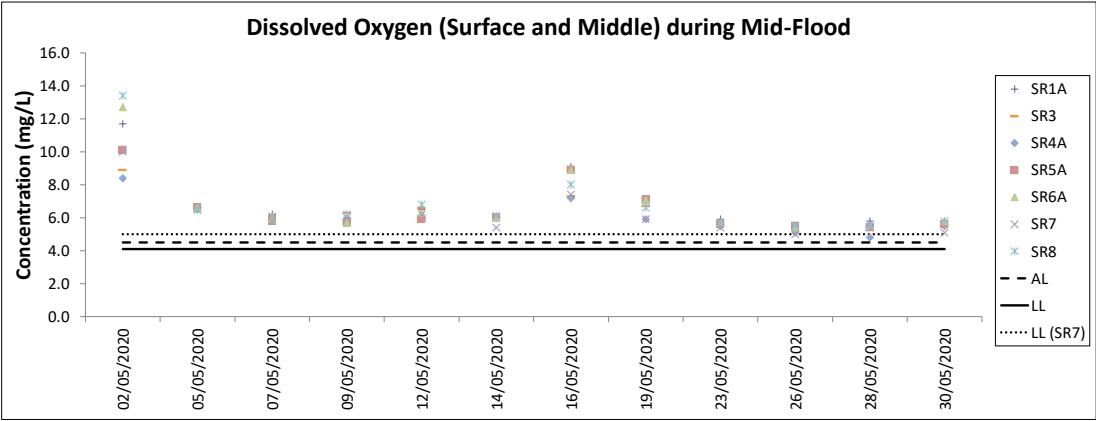
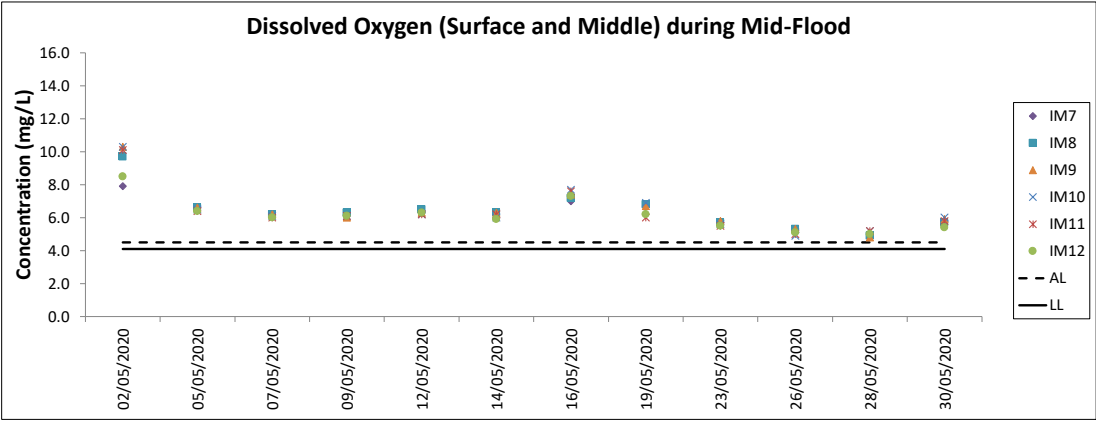
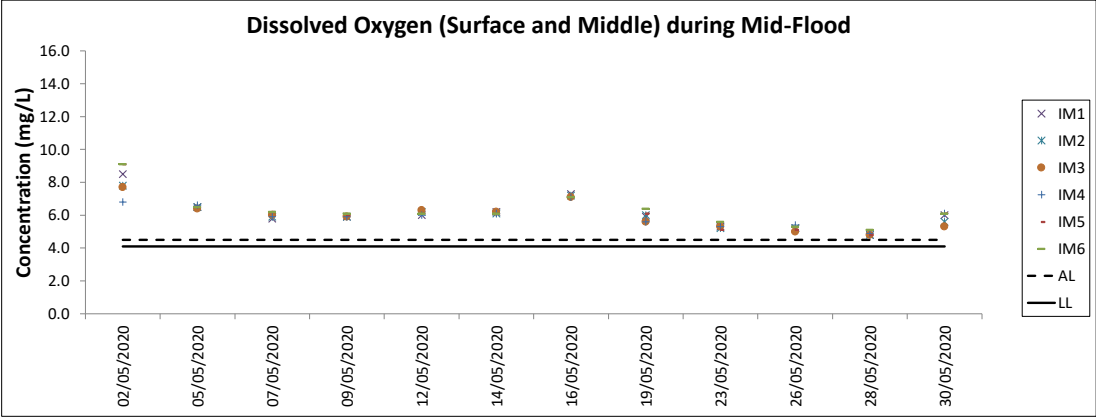
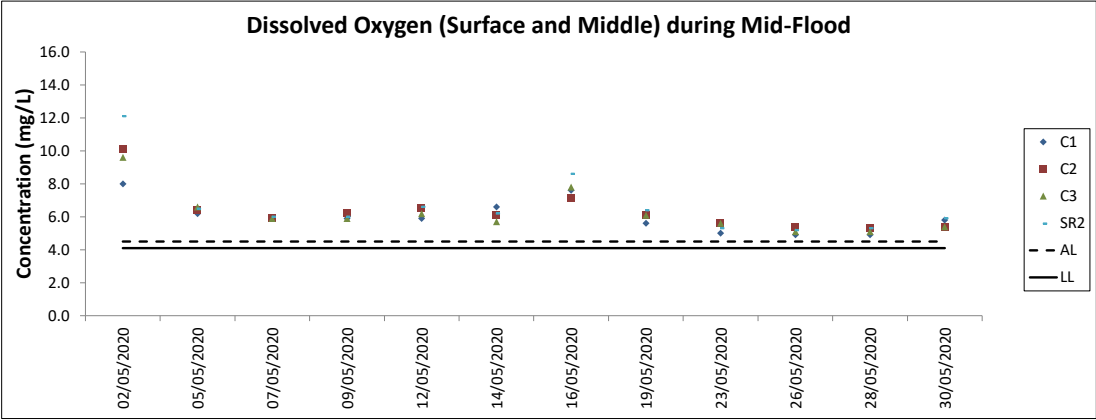
Water Quality Monitoring

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

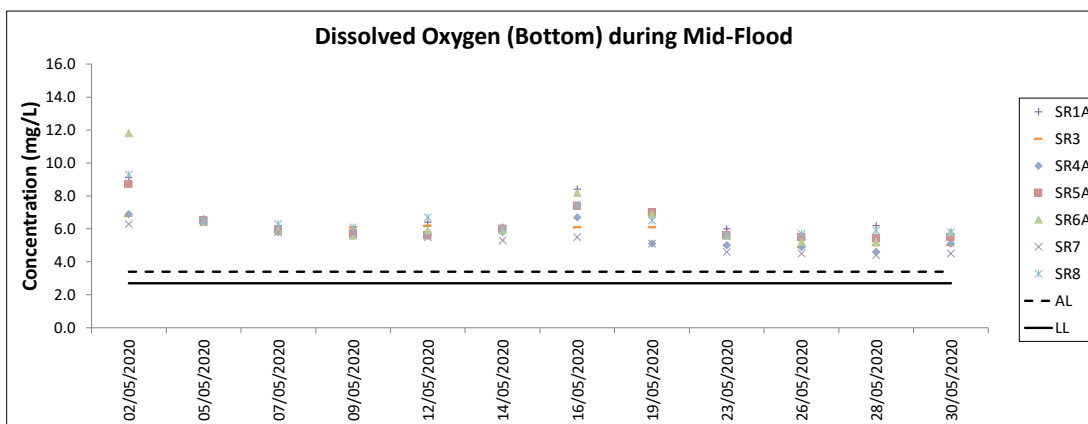
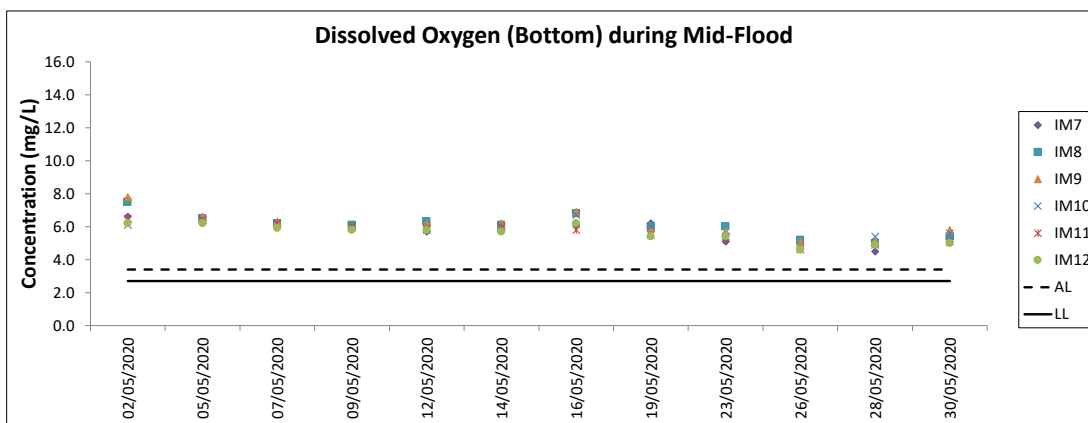
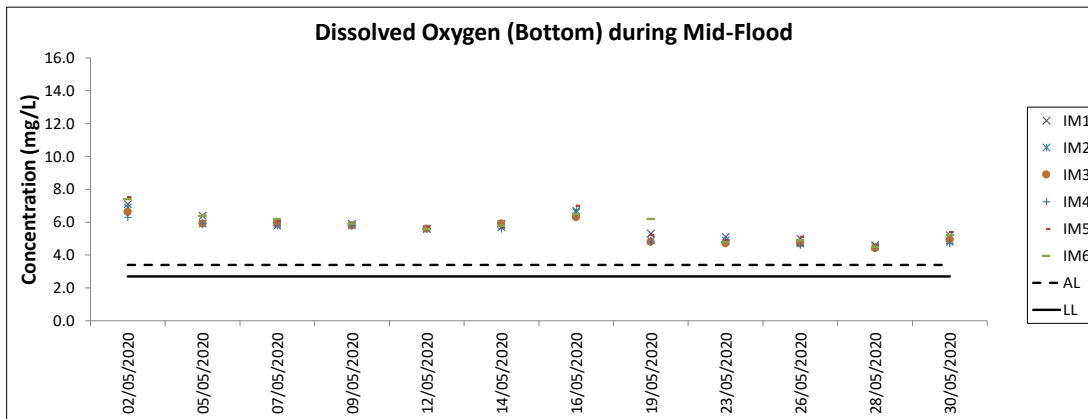
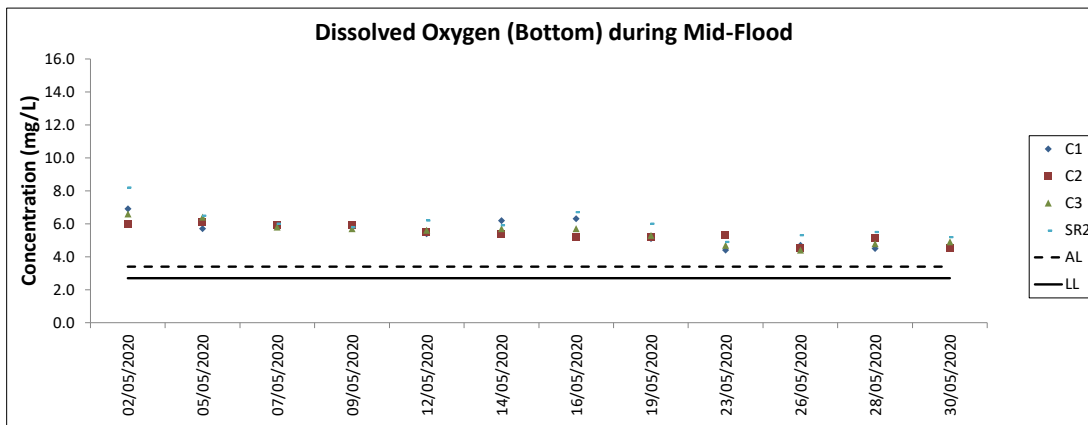
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Rainy	Moderate	11:27	8.3	Surface	1.0	0.1	31	27.3	7.9	7.9	21.6	21.6	84.0	83.9	5.9	5.9	3.9	3.9	3	4	87	87	89	815620	804239	<0.2	1.4	<0.2	1.3					
						1.0	0.1	32	27.3	7.9	7.9	21.6	21.6	83.8	83.9	5.9	5.9	3.9	3.9	4	4	87	87	89	815620	804239	<0.2	1.4	<0.2	1.4					
						4.2	0.2	45	27.0	7.9	7.9	23.4	23.4	80.0	79.9	5.6	5.6	3.9	3.9	4	4	89	89	89	815620	804239	<0.2	1.4	<0.2	1.4					
					Middle	4.2	0.2	45	27.0	7.9	7.9	23.4	23.4	79.8	79.8	5.6	5.6	3.9	3.9	4	4	89	89	89	815620	804239	<0.2	1.4	<0.2	1.4					
						7.3	0.2	36	26.6	7.8	7.8	27.5	27.5	68.5	68.6	4.7	4.7	10.1	10.1	3	3	91	91	91	815620	804239	<0.2	1.5	<0.2	1.5					
						7.3	0.2	37	26.6	7.8	7.8	27.5	27.5	68.7	68.7	4.7	4.7	9.9	9.9	3	3	91	91	91	815620	804239	<0.2	1.4	<0.2	1.4					
					C2	Rainy	Moderate	10:05	11.5	Surface	1.0	0.1	207	27.2	8.1	8.1	21.2	21.2	81.0	81.0	5.7	5.7	5.4	5.4	4	5	86	86	89	825670	806960	<0.2	1.6	<0.2	1.6
											1.0	0.1	215	27.2	8.1	8.0	21.2	21.2	80.9	80.9	5.7	5.7	5.4	5.4	5	5	87	87	89	825670	806960	<0.2	1.6	<0.2	1.6
											5.8	0.2	179	27.2	8.0	8.0	23.5	23.5	72.5	72.5	5.1	5.1	4.3	4.3	5	5	89	89	89	825670	806960	<0.2	1.6	<0.2	1.6
Middle	5.8	0.2	192	27.1						8.0	8.0	23.5	23.5	72.4	72.4	5.1	5.1	4.5	4.5	6	6	88	88	89	825670	806960	<0.2	1.6	<0.2	1.6					
	10.5	0.2	130	26.6						8.0	8.0	26.2	26.2	64.7	64.8	4.5	4.5	8.1	8.1	6	6	90	90	90	825670	806960	<0.2	1.5	<0.2	1.5					
	10.5	0.2	140	26.6						8.0	8.0	26.2	26.2	64.9	64.9	4.5	4.5	8.4	8.4	6	6	91	91	91	825670	806960	<0.2	1.5	<0.2	1.5					
C3	Rainy	Moderate	11:49	12.3						Surface	1.0	0.4	296	27.1	8.0	8.0	21.7	21.7	79.5	79.5	5.6	5.6	4.3	4.3	5	5	86	86	89	822129	817782	<0.2	1.6	<0.2	1.6
											1.0	0.4	323	27.1	8.0	8.0	21.7	21.7	79.5	79.5	5.6	5.6	4.2	4.2	4	4	87	87	89	822129	817782	<0.2	1.5	<0.2	1.5
											6.2	0.5	271	26.6	8.0	8.0	25.7	25.7	73.7	73.7	5.1	5.1	3.5	3.5	4	4	88	88	89	822129	817782	<0.2	1.6	<0.2	1.6
					Middle	6.2	0.5	284	26.5	8.0	8.0	25.7	25.7	73.7	73.7	5.1	5.1	3.5	3.5	5	5	89	89	89	822129	817782	<0.2	1.6	<0.2	1.6					
						11.3	0.4	306	26.0	8.0	8.0	29.5	29.5	71.1	71.1	4.9	4.9	6.8	6.8	5	5	91	91	91	822129	817782	<0.2	1.6	<0.2	1.6					
						11.3	0.4	331	26.0	8.0	8.0	29.5	29.5	71.6	71.6	4.9	4.9	6.9	6.9	4	4	90	90	90	822129	817782	<0.2	1.6	<0.2	1.6					
					IM1	Rainy	Moderate	11:05	4.9	Surface	1.0	0.1	6	27.3	7.9	7.9	21.3	21.3	85.5	85.5	6.0	6.0	3.8	3.8	4	5	88	88	89	817971	807152	<0.2	1.2	<0.2	1.2
											1.0	0.2	6	27.3	7.9	7.9	21.3	21.3	85.4	85.4	6.0	6.0	3.8	3.8	5	5	87	87	89	817971	807152	<0.2	1.2	<0.2	1.2
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3.9	0.1	12	27.1						7.8	7.8	25.3	25.3	74.9	75.0	5.2	5.2	8.2	8.2	5	5	89	89	89	817971	807152	<0.2	1.3	<0.2	1.3					
	3.9	0.2	12	27.1						7.8	7.8	25.3	25.3	75.0	75.0	5.2	5.2	8.2	8.2	4	4	90	90	90	817971	807152	<0.2	1.4	<0.2	1.4					
IM2	Rainy	Moderate	10:56	7.0						Surface	1.0	0.1	351	27.5	7.9	7.9	22.0	22.0	83.4	83.4	5.8	5.8	4.2	4.2	4	4	86	86	88	818186	806171	<0.2	1.3	<0.2	1.3
											1.0	0.1	355	27.5	7.9	7.9	22.0	22.0	83.4	83.4	5.8	5.8	4.2	4.2	3	3	87	87	89	818186	806171	<0.2	1.3	<0.2	1.3
											3.5	0.1	27	27.4	7.8	7.8	23.8	23.8	76.1	76.0	5.3	5.3	4.7	4.7	4	4	89	89	89	818186	806171	<0.2	1.3	<0.2	1.3
					Middle	3.5	0.1	27	27.4	7.8	7.8	23.8	23.8	75.9	75.9	5.3	5.3	4.7	4.7	5	5	88	88	89	818186	806171	<0.2	1.3	<0.2	1.3					
						6.0	0.2	28	26.7	7.8	7.8	26.7	26.7	69.2	69.2	4.8	4.8	8.8	8.8	4	4	90	90	90	818186	806171	<0.2	1.3	<0.2	1.3					
						6.0	0.2	28	26.7	7.8	7.8	26.7	26.7	69.2	69.2	4.8	4.8	8.5	8.5	5	5	90	90	90	818186	806171	<0.2	1.3	<0.2	1.3					
					IM3	Rainy	Moderate	10:47	7.2	Surface	1.0	0.1	287	27.3	7.9	7.9	22.6	22.6	79.7	79.6	5.6	5.6	5.9	5.9	4	4	86	86	88	818766	805608	<0.2	1.4	<0.2	1.4
											1.0	0.1	307	27.3	7.9	7.9	22.7	22.6	79.4	79.4	5.5	5.5	6.0	6.0	3	3	87	87	89	818766	805608	<0.2	1.3	<0.2	1.3
											3.6	0.1	245	27.2	7.8	7.8	24.2	24.2	74.1	74.1	5.1	5.1	9.0	9.0	4	4	88	88	89	818766	805608	<0.2	1.4	<0.2	1.4
Middle	3.6	0.1	267	27.2						7.8	7.8	24.2	24.2	74.1	74.1	5.1	5.1	9.0	9.0	5	5	88	88	89	818766	805608	<0.2	1.4	<0.2	1.4					
	6.2	0.1	15	26.9						7.8	7.8	25.6	25.6	71.3	71.3	4.9	4.9	6.4	6.4	5	5	90	90	90	818766	805608	<0.2	1.2	<0.2	1.2					
	6.2	0.1	16	26.9						7.8	7.8	25.6	25.6	71.3	71.3	4.9	4.9	6.6	6.6	5	5	89	89	89	818766	805608	<0.2	1.4	<0.2	1.4					
IM4	Rainy	Moderate	10:38	8.1						Surface	1.0	0.3	187	27.0	7.9	7.9	19.7	19.7	87.1	87.1	6.2	6.2	5.7	5.7	6	7	86	86	88	819713	804587	<0.2	1.6	<0.2	1.6
											1.0	0.3	196	27.0	7.9	7.9	19.7	19.7	87.1	87.1	6.2	6.2	5.7	5.7	7	7	87	87	89	819713	804587	<0.2	1.7	<0.2	1.7
											4.1	0.3	220	27.1	7.9	7.9	21.6	21.6	84.6	84.6	6.0	6.0	4.0	4.0	7	7	88	88	89	819713	804587	<0.2	1.6	<0.2	1.6
					Middle	4.1	0.3	225	27.1	7.9	7.9	21.6	21.6	84.5	84.5	6.0	6.0	4.0	4.0	7	7	88	88	89	819713	804587	<0.2	1.6	<0.2	1.6					
						7.1	0.1	274	26.8	7.8	7.8	26.2	26.2	67.9	67.9	4.7	4.7	9.0	9.0	8	8	90	90	90	819713	804587	<0.2	1.6	<0.2	1.6					
						7.1	0.1	281	26.8	7.8	7.8	26.3	26.3	67.9	67.9	4.7	4.7	9.0	9.0	7	7	90	90	90	819713	804587	<0.2	1.6	<0.2	1.6					
					IM5	Rainy	Moderate	10:29	7.1	Surface	1.0	0.1	181	27.1	7.8	7.8	19.9	19.9	86.4	86.4	6.1	6.1	6.4	6.4	8	7	86	86	88	820714	804861	<0.2	1.6	<0.2	1.6
											1.0	0.2	191	27.1	7.8	7.9	19.9	19.9	86.3	86.3	6.1	6.1	6.4	6.4	7	7	85	85	89	820714	804861	<0.2	1.6	<0.2	1.6
											3.6	0.1	249	27.1	7.9	7.9	21.3	21.3	85.1	85.1	6.0	6.0	4.9	4.9	9	9	88	88	89	820714	804861	<0.2	1.3	<0.2	1.3
Middle	3.6	0.1	259	27.1						7.9	7.9	21.3	21.3	85.0	85.0	6.0	6.0	4.9	4.9	8	8	87	87	89	820714	804861	<0.2	1.4	<0.2	1.4					
	6.1	0.2	302	27.4						7.8	7.8	23.1	23.1	77.8	77.9	5.4	5.4																		

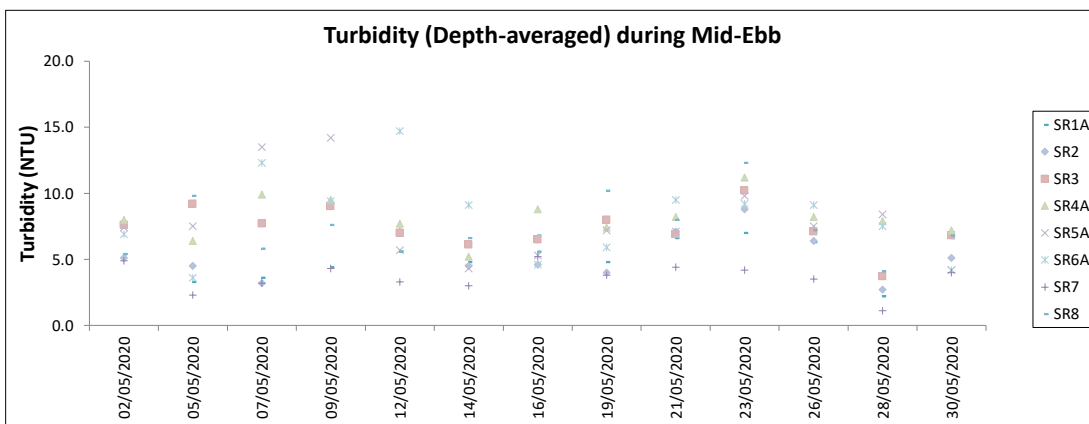
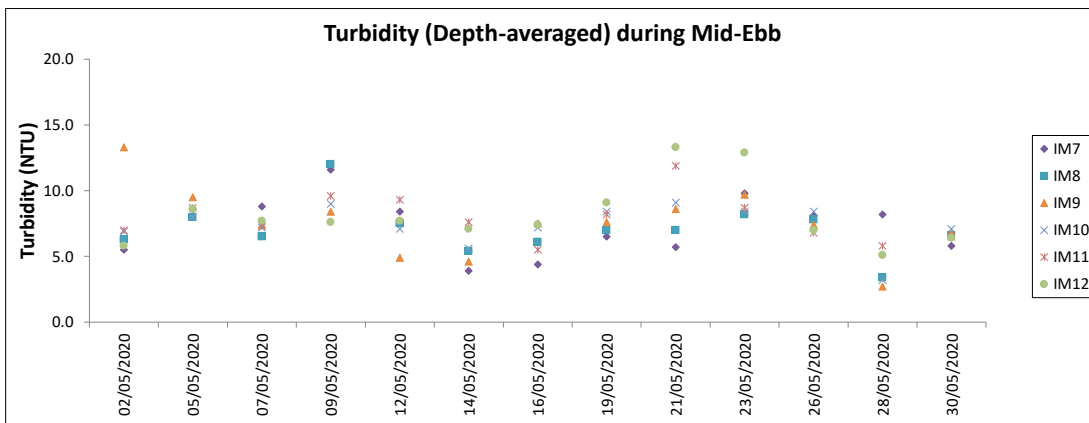
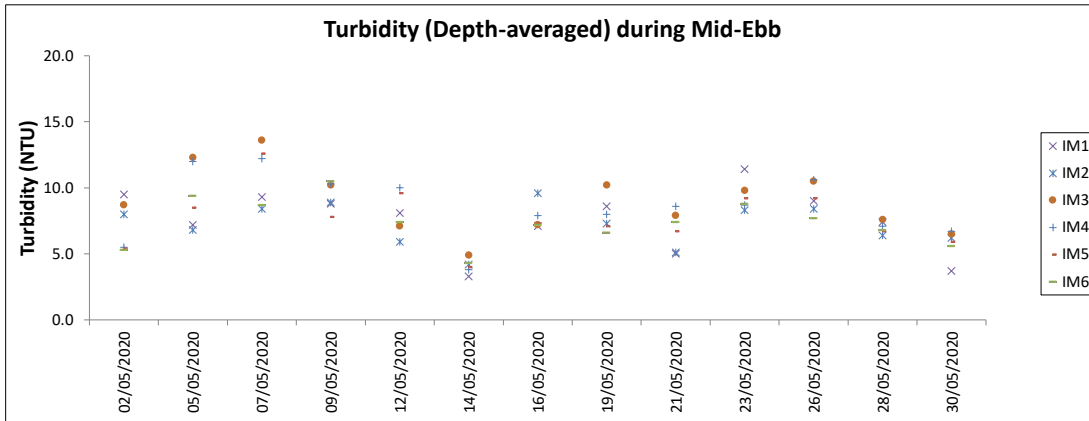
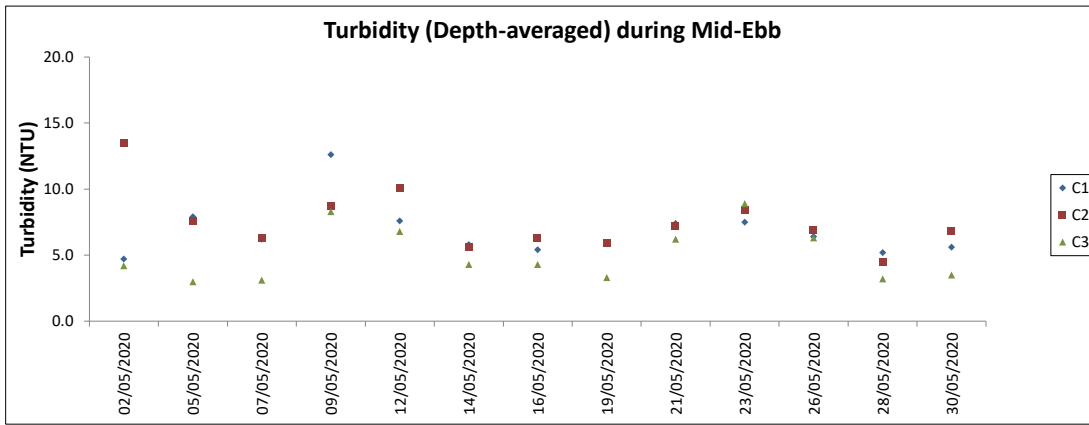




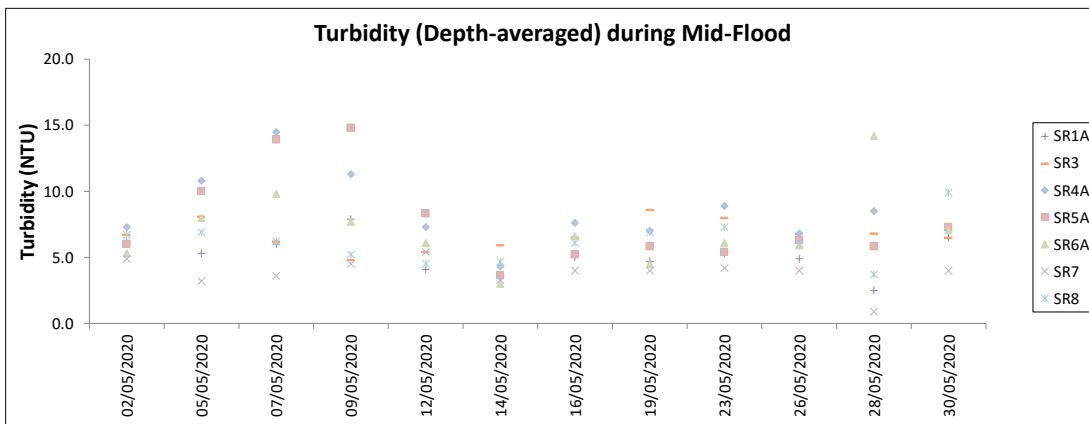
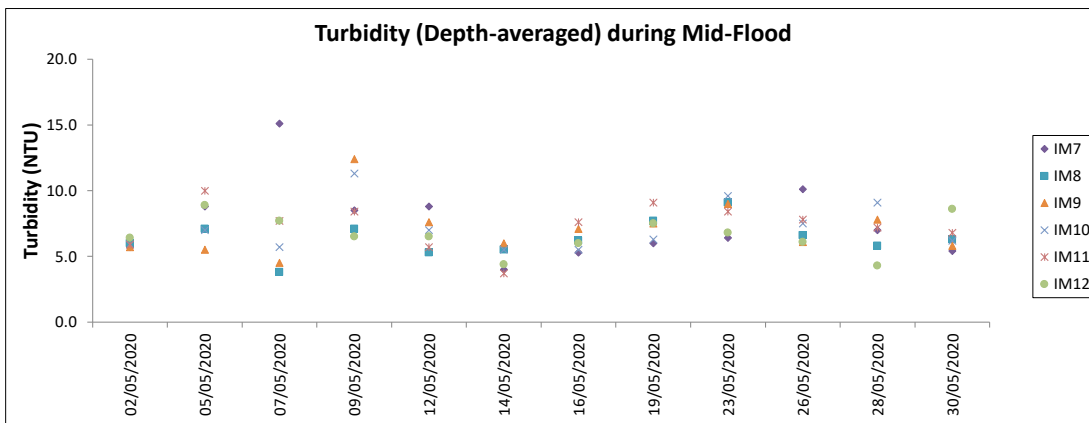
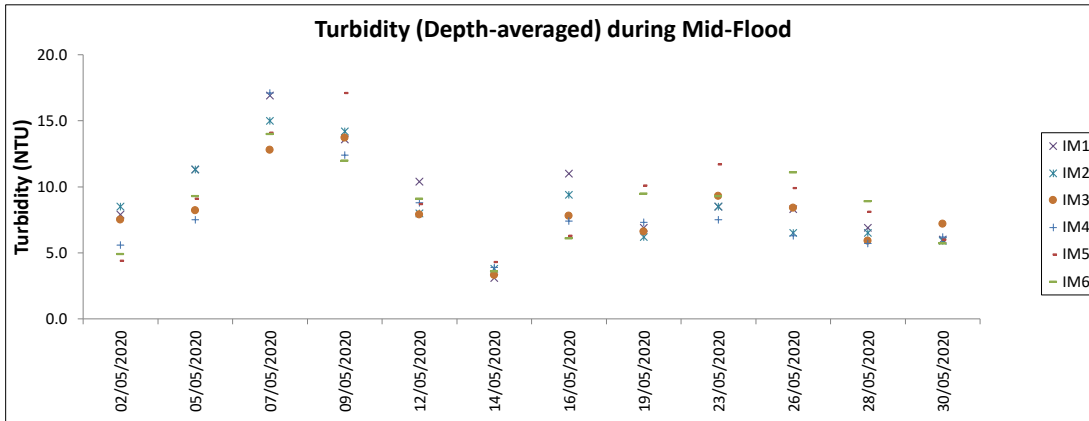
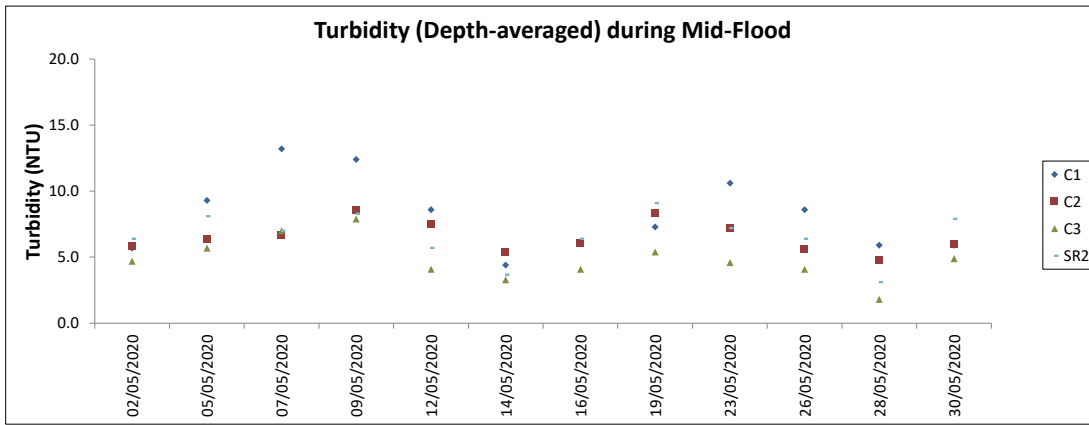






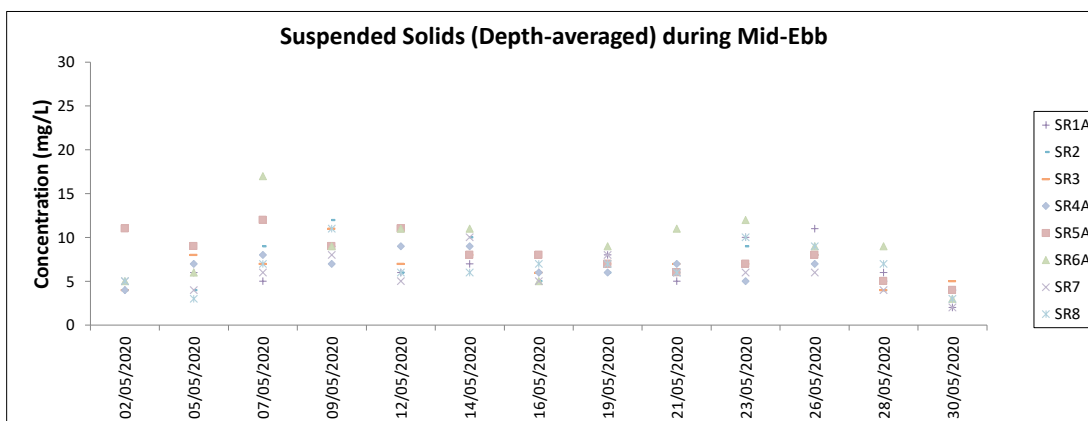
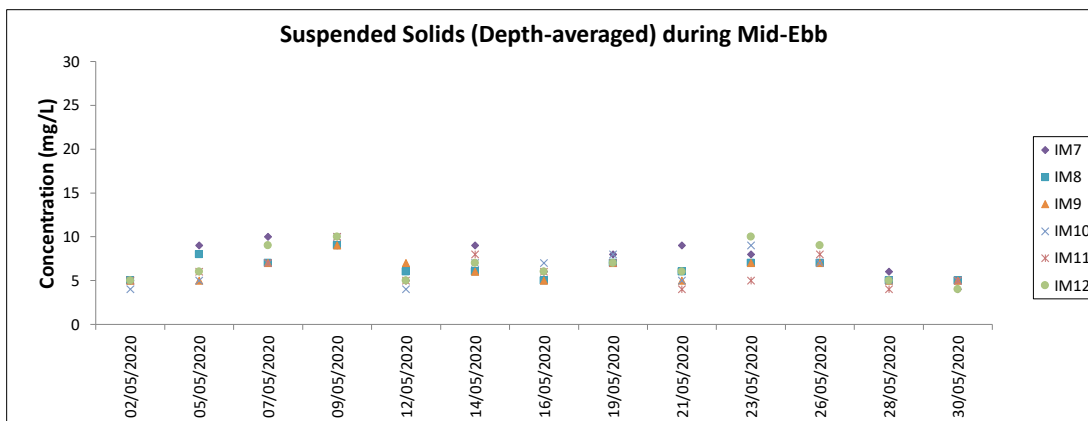
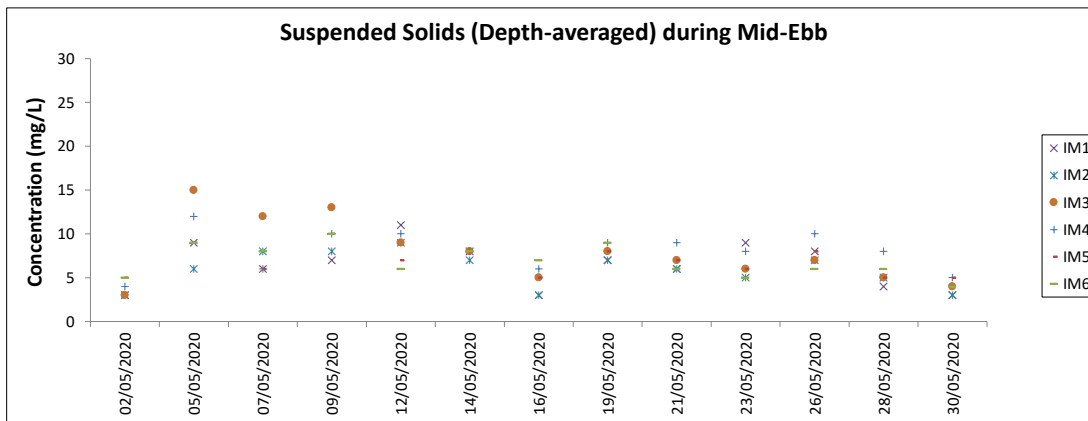
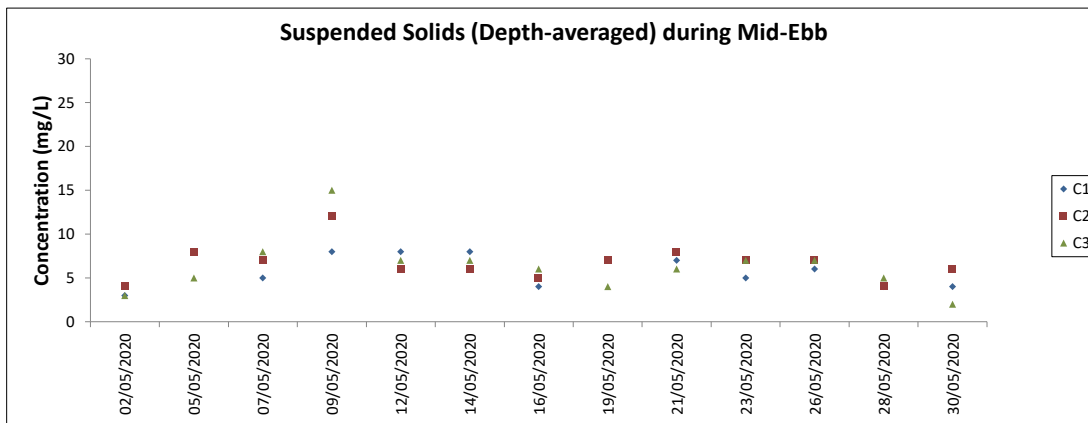


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

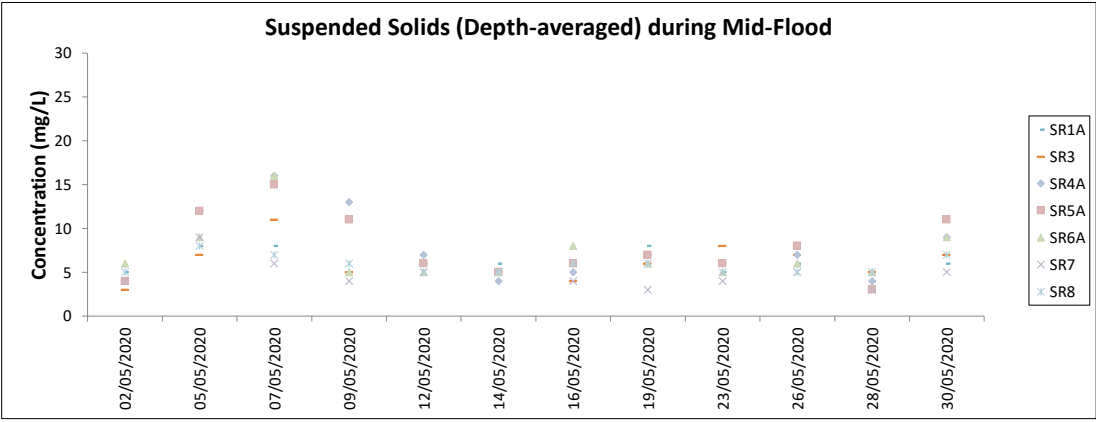
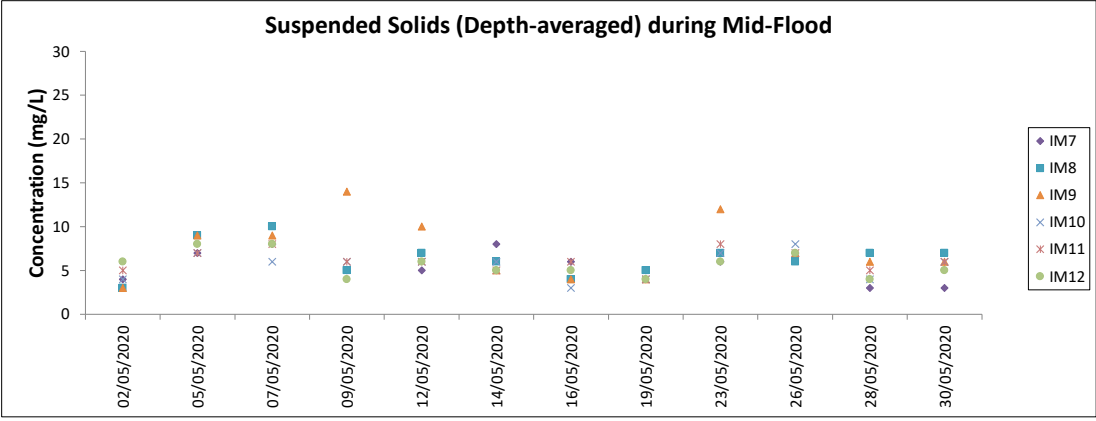
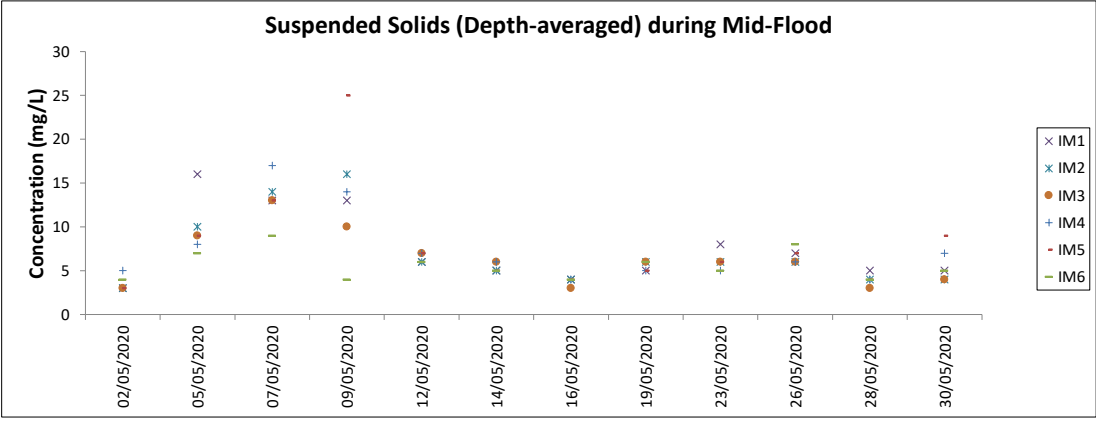
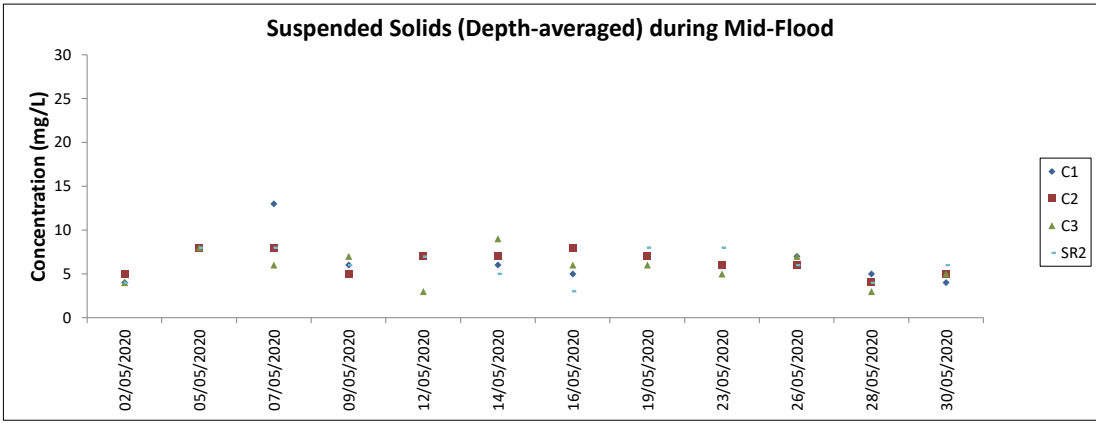


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

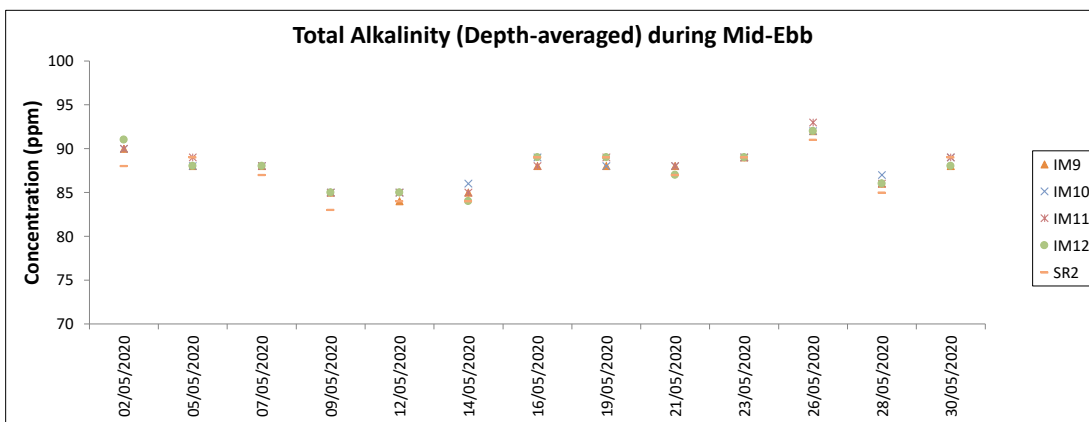
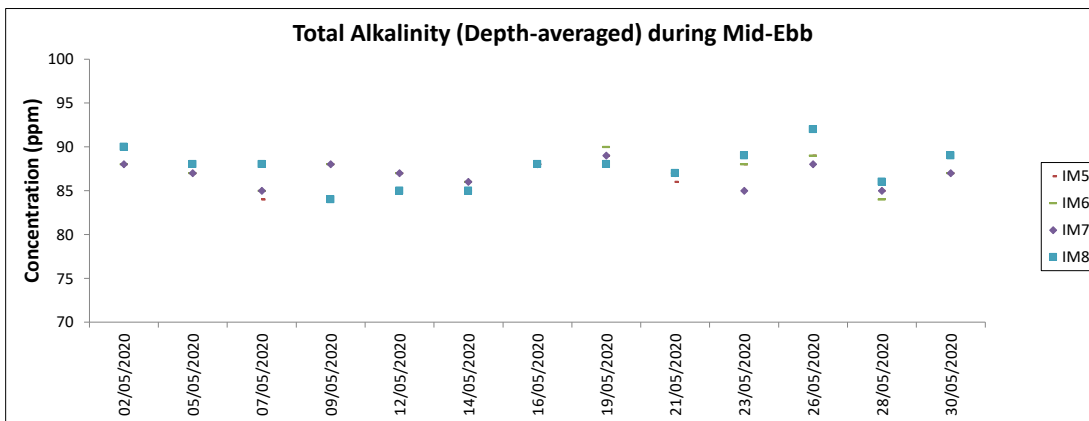
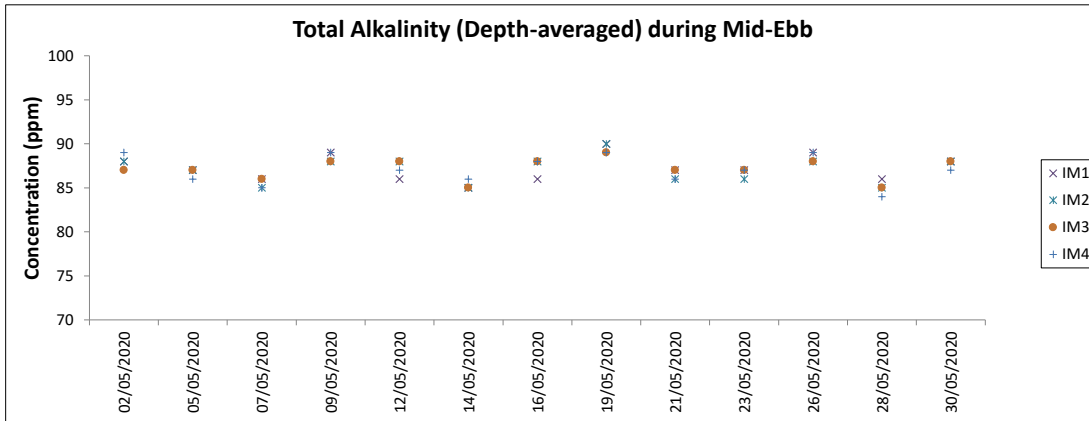
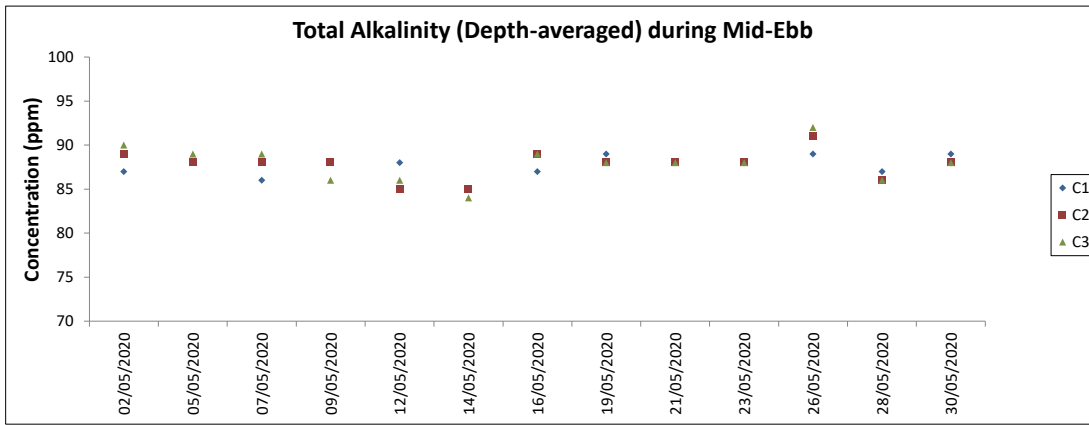




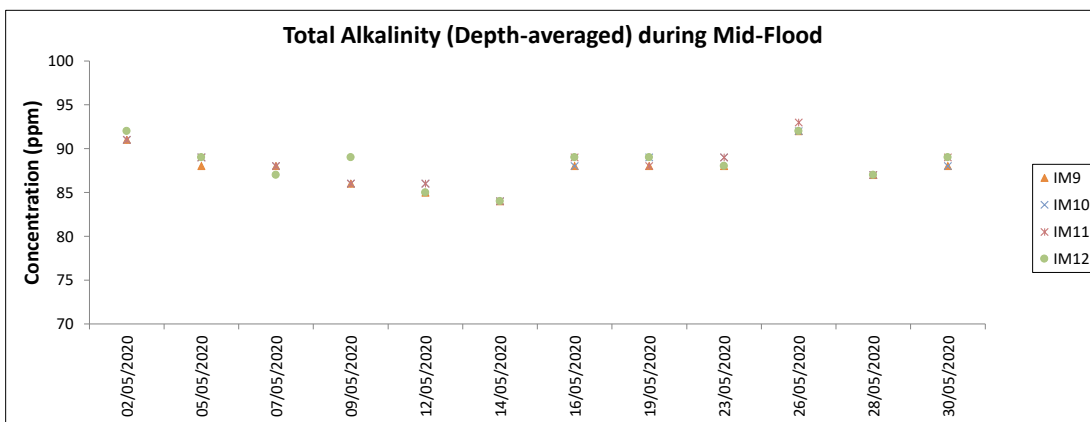
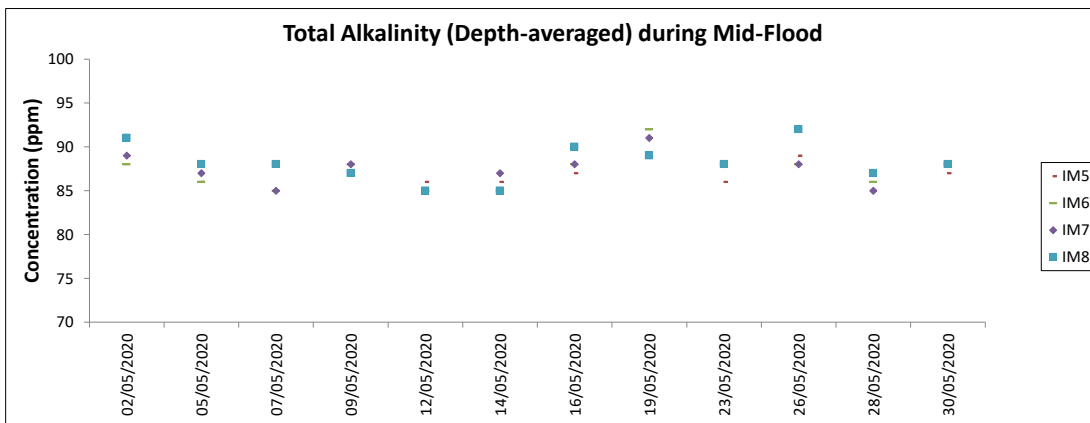
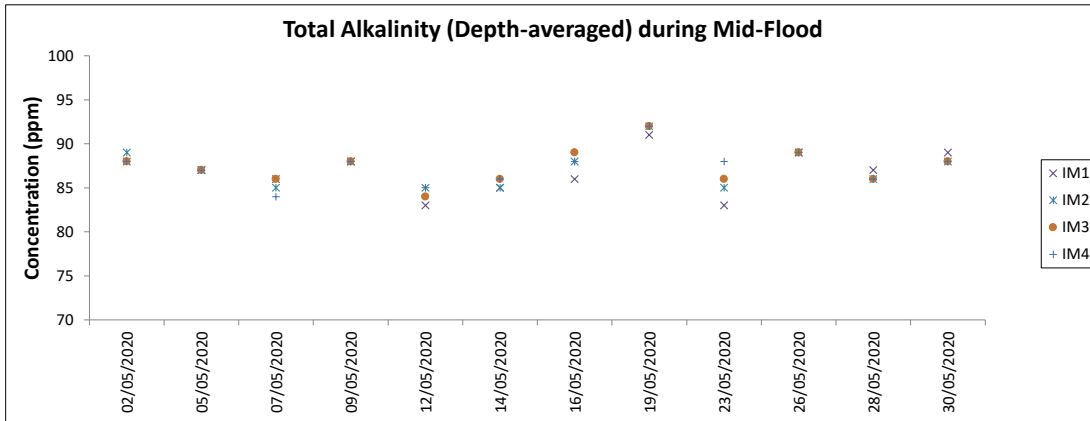
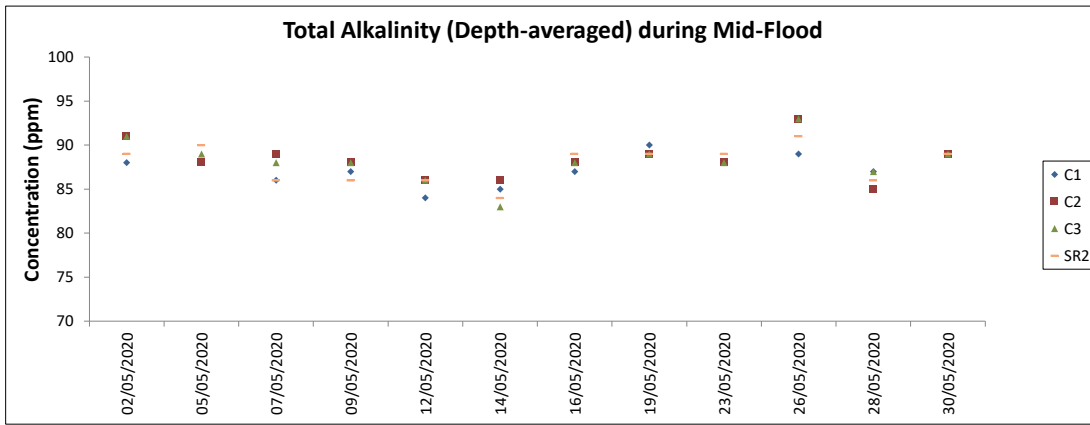
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



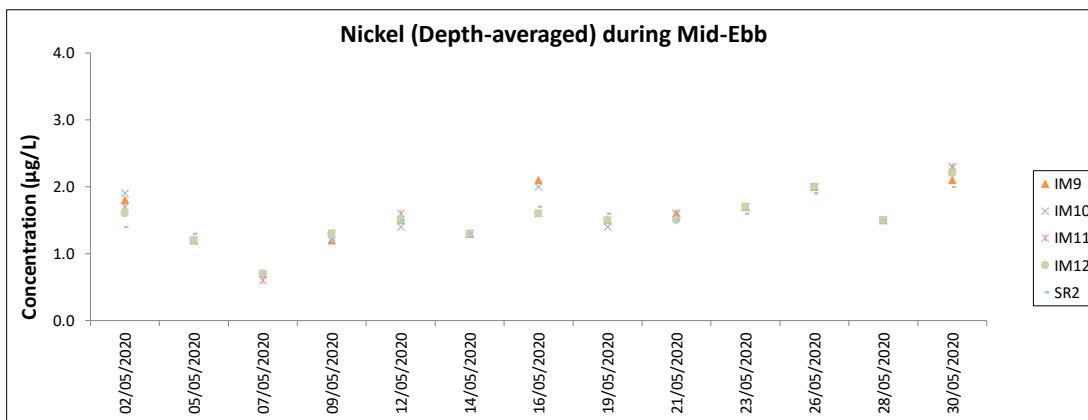
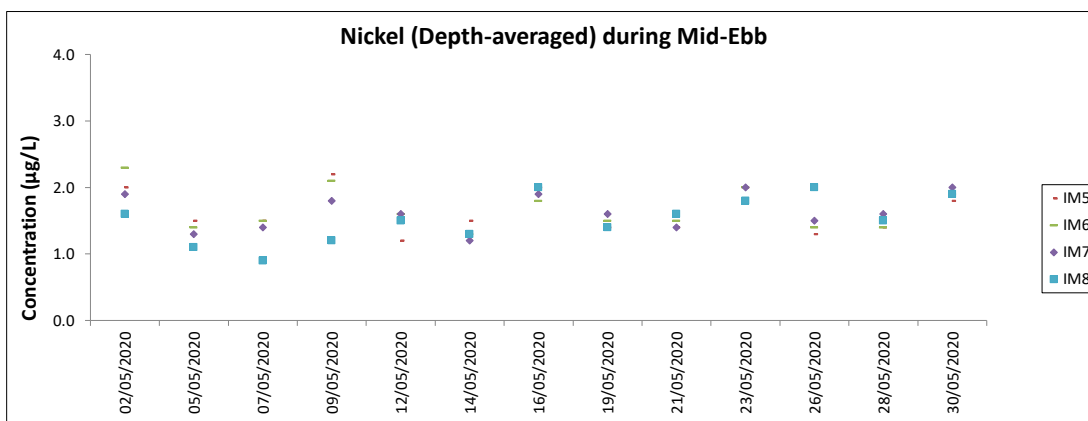
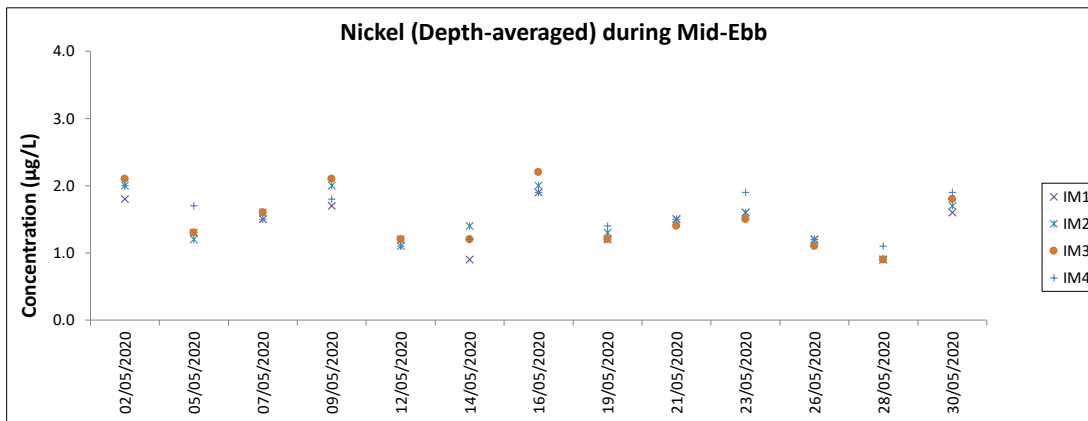
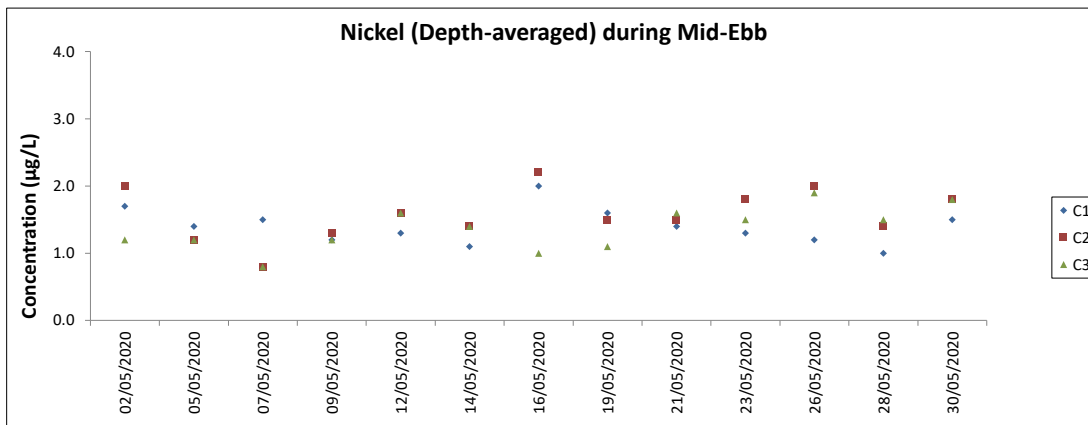
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



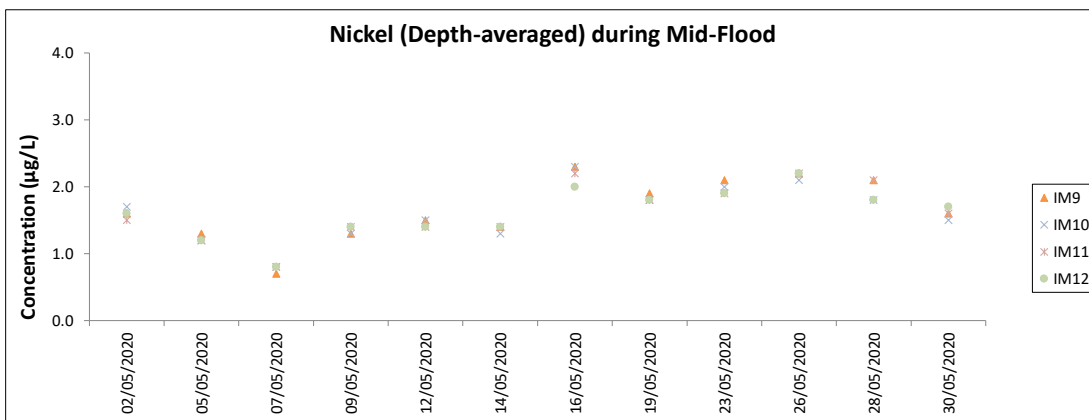
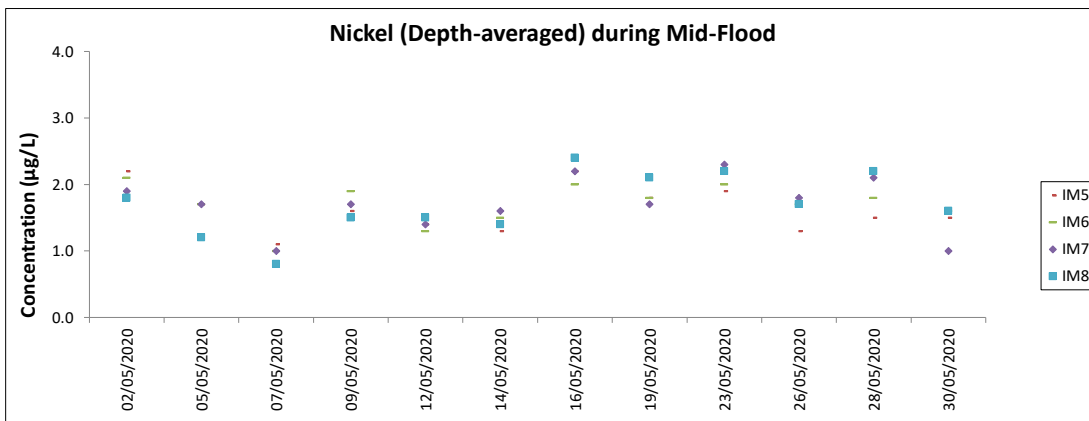
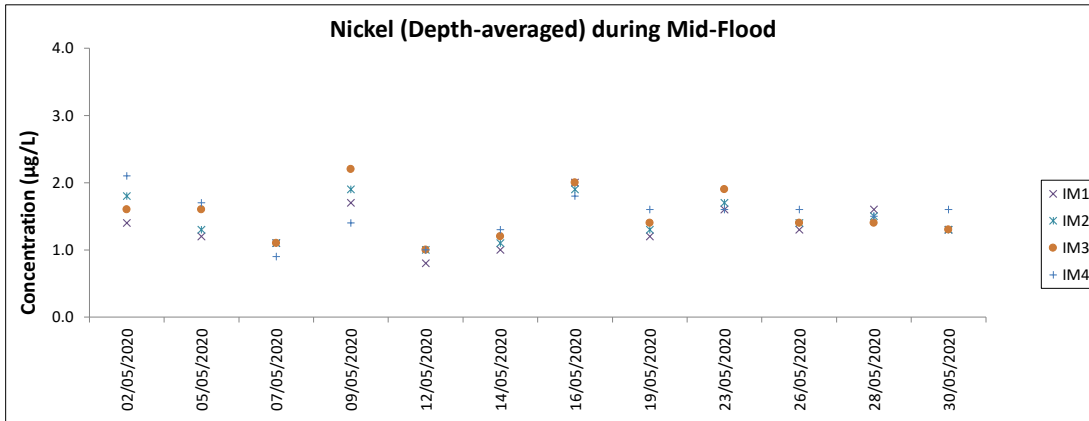
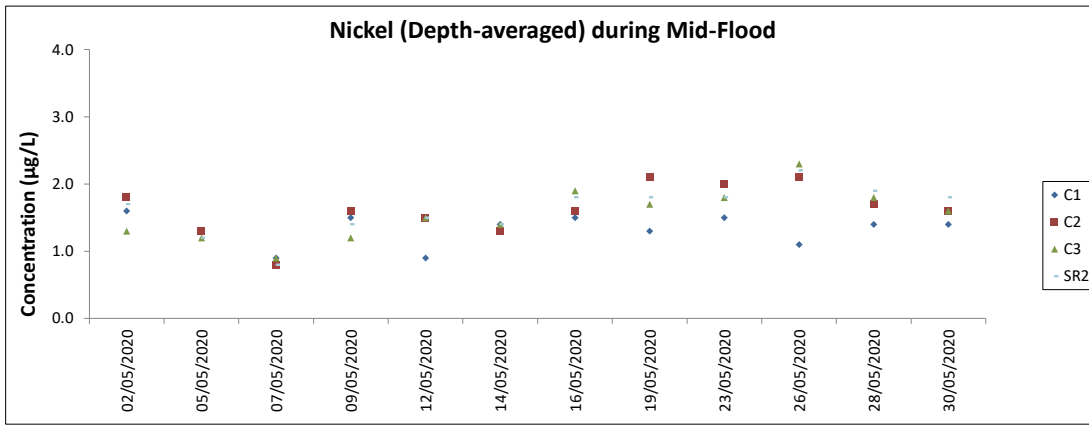
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

# **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
2-Mar-20	NEL	2	2.500	SPRING	32166	3RS ET	P
2-Mar-20	NEL	3	32.140	SPRING	32166	3RS ET	P
2-Mar-20	NEL	4	2.600	SPRING	32166	3RS ET	P
2-Mar-20	NEL	2	1.200	SPRING	32166	3RS ET	S
2-Mar-20	NEL	3	8.160	SPRING	32166	3RS ET	S
2-Mar-20	NEL	4	1.000	SPRING	32166	3RS ET	S
6-Mar-20	NEL	2	3.460	SPRING	32166	3RS ET	P
6-Mar-20	NEL	3	33.340	SPRING	32166	3RS ET	P
6-Mar-20	NEL	2	1.200	SPRING	32166	3RS ET	S
6-Mar-20	NEL	3	9.900	SPRING	32166	3RS ET	S
11-Mar-20	NWL	2	4.786	SPRING	32166	3RS ET	P
11-Mar-20	NWL	3	53.890	SPRING	32166	3RS ET	P
11-Mar-20	NWL	4	1.400	SPRING	32166	3RS ET	P
11-Mar-20	NWL	3	12.430	SPRING	32166	3RS ET	S
12-Mar-20	AW	4	4.920	SPRING	32166	3RS ET	P
12-Mar-20	WL	3	1.675	SPRING	32166	3RS ET	P
12-Mar-20	WL	4	15.140	SPRING	32166	3RS ET	P
12-Mar-20	WL	5	2.008	SPRING	32166	3RS ET	P
12-Mar-20	WL	3	0.480	SPRING	32166	3RS ET	S
12-Mar-20	WL	4	7.380	SPRING	32166	3RS ET	S
12-Mar-20	WL	5	1.762	SPRING	32166	3RS ET	S
17-Mar-20	NWL	2	39.340	SPRING	32166	3RS ET	P
17-Mar-20	NWL	3	23.260	SPRING	32166	3RS ET	P
17-Mar-20	NWL	4	1.000	SPRING	32166	3RS ET	P
17-Mar-20	NWL	2	6.700	SPRING	32166	3RS ET	S
17-Mar-20	NWL	3	4.900	SPRING	32166	3RS ET	S
18-Mar-20	AW	2	5.000	SPRING	32166	3RS ET	P
18-Mar-20	WL	2	9.543	SPRING	32166	3RS ET	P
18-Mar-20	WL	3	9.425	SPRING	32166	3RS ET	P
18-Mar-20	WL	2	7.497	SPRING	32166	3RS ET	S
18-Mar-20	WL	3	2.691	SPRING	32166	3RS ET	S
19-Mar-20	SWL	1	6.940	SPRING	32166	3RS ET	P
19-Mar-20	SWL	2	38.570	SPRING	32166	3RS ET	P
19-Mar-20	SWL	3	8.050	SPRING	32166	3RS ET	P
19-Mar-20	SWL	2	14.355	SPRING	32166	3RS ET	S
19-Mar-20	SWL	3	2.200	SPRING	32166	3RS ET	S
23-Mar-20	SWL	1	6.890	SPRING	32166	3RS ET	P
23-Mar-20	SWL	2	45.972	SPRING	32166	3RS ET	P
23-Mar-20	SWL	1	1.350	SPRING	32166	3RS ET	S
23-Mar-20	SWL	2	14.535	SPRING	32166	3RS ET	S
3-Apr-20	NEL	2	1.270	SPRING	32166	3RS ET	P
3-Apr-20	NEL	3	26.900	SPRING	32166	3RS ET	P
3-Apr-20	NEL	4	8.700	SPRING	32166	3RS ET	P
3-Apr-20	NEL	3	9.830	SPRING	32166	3RS ET	S
3-Apr-20	NEL	4	1.000	SPRING	32166	3RS ET	S
7-Apr-20	NEL	1	10.100	SPRING	32166	3RS ET	P
7-Apr-20	NEL	2	27.170	SPRING	32166	3RS ET	P



DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
7-Apr-20	NEL	1	1.000	SPRING	32166	3RS ET	S
7-Apr-20	NEL	2	9.330	SPRING	32166	3RS ET	S
9-Apr-20	AW	2	5.030	SPRING	32166	3RS ET	P
9-Apr-20	WL	2	10.238	SPRING	32166	3RS ET	P
9-Apr-20	WL	3	6.538	SPRING	32166	3RS ET	P
9-Apr-20	WL	4	1.390	SPRING	32166	3RS ET	P
9-Apr-20	WL	2	6.432	SPRING	32166	3RS ET	S
9-Apr-20	WL	3	2.932	SPRING	32166	3RS ET	S
9-Apr-20	WL	4	0.910	SPRING	32166	3RS ET	S
15-Apr-20	AW	2	5.040	SPRING	32166	3RS ET	P
15-Apr-20	WL	2	20.680	SPRING	32166	3RS ET	P
15-Apr-20	WL	2	10.420	SPRING	32166	3RS ET	S
16-Apr-20	SWL	2	52.486	SPRING	32166	3RS ET	P
16-Apr-20	SWL	2	15.854	SPRING	32166	3RS ET	S
17-Apr-20	SWL	2	26.394	SPRING	32166	3RS ET	P
17-Apr-20	SWL	3	27.056	SPRING	32166	3RS ET	P
17-Apr-20	SWL	2	9.230	SPRING	32166	3RS ET	S
17-Apr-20	SWL	3	8.050	SPRING	32166	3RS ET	S
20-Apr-20	NWL	2	41.800	SPRING	32166	3RS ET	P
20-Apr-20	NWL	3	22.200	SPRING	32166	3RS ET	P
20-Apr-20	NWL	2	7.600	SPRING	32166	3RS ET	S
20-Apr-20	NWL	3	4.200	SPRING	32166	3RS ET	S
21-Apr-20	NWL	2	26.840	SPRING	32166	3RS ET	P
21-Apr-20	NWL	3	36.760	SPRING	32166	3RS ET	P
21-Apr-20	NWL	2	4.300	SPRING	32166	3RS ET	S
21-Apr-20	NWL	3	7.600	SPRING	32166	3RS ET	S
4-May-20	NEL	2	32.350	SPRING	32166	3RS ET	P
4-May-20	NEL	3	4.500	SPRING	32166	3RS ET	P
4-May-20	NEL	2	8.050	SPRING	32166	3RS ET	S
4-May-20	NEL	3	1.800	SPRING	32166	3RS ET	S
6-May-20	NWL	2	17.400	SPRING	32166	3RS ET	P
6-May-20	NWL	3	45.000	SPRING	32166	3RS ET	P
6-May-20	NWL	3	13.400	SPRING	32166	3RS ET	S
7-May-20	AW	3	4.890	SPRING	32166	3RS ET	P
7-May-20	WL	3	19.292	SPRING	32166	3RS ET	P
7-May-20	WL	3	11.318	SPRING	32166	3RS ET	S
11-May-20	SWL	1	2.700	SPRING	32166	3RS ET	P
11-May-20	SWL	2	51.714	SPRING	32166	3RS ET	P
11-May-20	SWL	1	1.300	SPRING	32166	3RS ET	S
11-May-20	SWL	2	14.740	SPRING	32166	3RS ET	S
12-May-20	SWL	2	42.776	SPRING	32166	3RS ET	P
12-May-20	SWL	3	11.880	SPRING	32166	3RS ET	P
12-May-20	SWL	2	13.052	SPRING	32166	3RS ET	S
12-May-20	SWL	3	2.150	SPRING	32166	3RS ET	S
13-May-20	AW	1	5.060	SPRING	32166	3RS ET	P
13-May-20	WL	1	1.220	SPRING	32166	3RS ET	P
13-May-20	WL	2	9.124	SPRING	32166	3RS ET	P
13-May-20	WL	3	2.062	SPRING	32166	3RS ET	P
13-May-20	WL	4	6.239	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-May-20	WL	2	4.441	SPRING	32166	3RS ET	S
13-May-20	WL	3	1.748	SPRING	32166	3RS ET	S
13-May-20	WL	4	3.271	SPRING	32166	3RS ET	S
18-May-20	NEL	2	24.600	SPRING	32166	3RS ET	P
18-May-20	NEL	3	12.500	SPRING	32166	3RS ET	P
18-May-20	NEL	2	6.200	SPRING	32166	3RS ET	S
18-May-20	NEL	3	3.900	SPRING	32166	3RS ET	S
20-May-20	NWL	2	2.300	SPRING	32166	3RS ET	P
20-May-20	NWL	3	43.690	SPRING	32166	3RS ET	P
20-May-20	NWL	4	17.310	SPRING	32166	3RS ET	P
20-May-20	NWL	3	9.100	SPRING	32166	3RS ET	S
20-May-20	NWL	4	2.600	SPRING	32166	3RS ET	S

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

## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-Mar-20	1	0938	CWD	8	NWL	2	712	ON	3RS ET	22.4130	113.8701	SPRING	NONE	P
11-Mar-20	2	1055	CWD	2	NWL	3	118	ON	3RS ET	22.2980	113.8701	SPRING	NONE	P
12-Mar-20	1	1030	CWD	4	WL	4	N/A	OFF	3RS ET	22.2778	113.8565	SPRING	NONE	P
12-Mar-20	2	1046	CWD	1	WL	5	36	ON	3RS ET	22.2693	113.8518	SPRING	NONE	P
12-Mar-20	3	1056	CWD	1	WL	3	192	ON	3RS ET	22.2635	113.8568	SPRING	NONE	S
12-Mar-20	4	1108	CWD	4	WL	3	440	ON	3RS ET	22.2611	113.8489	SPRING	NONE	P
12-Mar-20	5	1136	CWD	2	WL	3	751	ON	3RS ET	22.2482	113.8517	SPRING	NONE	S
18-Mar-20	1	1052	CWD	1	WL	3	102	ON	3RS ET	22.2605	113.8500	SPRING	NONE	P
18-Mar-20	2	1201	CWD	5	WL	2	147	ON	3RS ET	22.2324	113.8236	SPRING	NONE	S
18-Mar-20	3	1246	CWD	2	WL	3	29	ON	3RS ET	22.2130	113.8365	SPRING	NONE	S
19-Mar-20	1	1035	FP	3	SWL	1	38	ON	3RS ET	22.2111	113.9360	SPRING	NONE	P
19-Mar-20	2	1042	FP	1	SWL	2	79	ON	3RS ET	22.1984	113.9363	SPRING	NONE	P
19-Mar-20	3	1046	FP	2	SWL	2	230	ON	3RS ET	22.1951	113.9362	SPRING	NONE	P
19-Mar-20	4	1050	FP	11	SWL	2	162	ON	3RS ET	22.1909	113.9357	SPRING	NONE	P
19-Mar-20	5	1106	FP	2	SWL	2	8	ON	3RS ET	22.1708	113.9359	SPRING	NONE	P
19-Mar-20	6	1216	FP	2	SWL	2	352	ON	3RS ET	22.1552	113.9177	SPRING	NONE	P
19-Mar-20	7	1221	FP	1	SWL	2	62	ON	3RS ET	22.1487	113.9176	SPRING	NONE	P
19-Mar-20	8	1259	FP	3	SWL	2	452	ON	3RS ET	22.1924	113.9078	SPRING	NONE	P
19-Mar-20	9	1408	FP	2	SWL	2	146	ON	3RS ET	22.1909	113.8878	SPRING	NONE	P
23-Mar-20	1	1047	FP	3	SWL	2	128	ON	3RS ET	22.1813	113.9359	SPRING	NONE	P
23-Mar-20	2	1050	FP	6	SWL	2	37	ON	3RS ET	22.1788	113.9358	SPRING	NONE	P
23-Mar-20	3	1056	FP	1	SWL	2	179	ON	3RS ET	22.1704	113.9365	SPRING	NONE	P
23-Mar-20	4	1101	FP	1	SWL	2	228	ON	3RS ET	22.1633	113.9357	SPRING	NONE	P
23-Mar-20	5	1118	FP	2	SWL	2	36	ON	3RS ET	22.1532	113.9275	SPRING	NONE	P
23-Mar-20	6	1127	FP	1	SWL	2	267	ON	3RS ET	22.1710	113.9278	SPRING	NONE	P
23-Mar-20	7	1207	FP	4	SWL	2	139	ON	3RS ET	22.1632	113.9183	SPRING	NONE	P
23-Mar-20	8	1224	FP	4	SWL	2	245	ON	3RS ET	22.1449	113.9080	SPRING	NONE	P
23-Mar-20	9	1231	FP	2	SWL	2	165	ON	3RS ET	22.1549	113.9047	SPRING	NONE	S
23-Mar-20	10	1332	FP	5	SWL	2	424	ON	3RS ET	22.1535	113.8977	SPRING	NONE	P
23-Mar-20	11	1338	FP	1	SWL	2	237	ON	3RS ET	22.1488	113.8931	SPRING	NONE	S
23-Mar-20	12	1346	FP	1	SWL	2	3	ON	3RS ET	22.1578	113.8879	SPRING	NONE	P
23-Mar-20	13	1355	FP	2	SWL	2	431	ON	3RS ET	22.1743	113.8880	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
23-Mar-20	14	1359	FP	1	SWL	2	274	ON	3RS ET	22.1816	113.8878	SPRING	NONE	P
23-Mar-20	15	1426	FP	1	SWL	2	572	ON	3RS ET	22.1932	113.8780	SPRING	NONE	P
23-Mar-20	16	1455	FP	4	SWL	2	351	ON	3RS ET	22.1597	113.8721	SPRING	NONE	S
23-Mar-20	17	1519	CWD	4	SWL	2	535	ON	3RS ET	22.1996	113.8618	SPRING	NONE	P
23-Mar-20	18	1607	CWD	3	SWL	2	299	ON	3RS ET	22.1951	113.8503	SPRING	NONE	P
9-Apr-20	1	1031	CWD	7	WL	2	264	ON	3RS ET	22.2687	113.8500	SPRING	PURSE SEINER	P
9-Apr-20	2	1053	CWD	2	WL	2	73	ON	3RS ET	22.2636	113.8569	SPRING	NONE	S
9-Apr-20	3	1124	CWD	4	WL	2	58	ON	3RS ET	22.2501	113.8420	SPRING	NONE	P
9-Apr-20	4	1156	CWD	1	WL	3	7	ON	3RS ET	22.2325	113.8378	SPRING	NONE	P
9-Apr-20	5	1226	CWD	1	WL	3	129	ON	3RS ET	22.2146	113.8305	SPRING	NONE	P
9-Apr-20	6	1246	CWD	14	WL	3	148	ON	3RS ET	22.2056	113.8254	SPRING	PAIR TRAWLER	P
15-Apr-20	1	1047	CWD	1	WL	2	240	ON	3RS ET	22.2505	113.8392	SPRING	NONE	P
16-Apr-20	1	1023	FP	1	SWL	2	43	ON	3RS ET	22.2087	113.9356	SPRING	NONE	P
16-Apr-20	2	1032	FP	2	SWL	2	187	ON	3RS ET	22.1955	113.9360	SPRING	NONE	P
16-Apr-20	3	1036	FP	1	SWL	2	341	ON	3RS ET	22.1888	113.9363	SPRING	NONE	P
16-Apr-20	4	1038	FP	2	SWL	2	22	ON	3RS ET	22.1864	113.9363	SPRING	NONE	P
16-Apr-20	5	1042	FP	2	SWL	2	199	ON	3RS ET	22.1832	113.9363	SPRING	NONE	P
16-Apr-20	6	1054	FP	3	SWL	2	257	ON	3RS ET	22.1604	113.9361	SPRING	NONE	P
16-Apr-20	7	1112	FP	3	SWL	2	4	ON	3RS ET	22.1582	113.9274	SPRING	NONE	P
16-Apr-20	8	1116	FP	5	SWL	2	1108	ON	3RS ET	22.1626	113.9276	SPRING	NONE	P
16-Apr-20	9	1121	FP	2	SWL	2	46	ON	3RS ET	22.1687	113.9278	SPRING	NONE	P
16-Apr-20	10	1131	FP	2	SWL	2	444	ON	3RS ET	22.1871	113.9276	SPRING	NONE	P
16-Apr-20	11	1135	FP	1	SWL	2	6	ON	3RS ET	22.1909	113.9275	SPRING	NONE	P
16-Apr-20	12	1209	FP	4	SWL	2	99	ON	3RS ET	22.1597	113.9176	SPRING	NONE	P
16-Apr-20	13	1215	FP	1	SWL	2	46	ON	3RS ET	22.1494	113.9177	SPRING	NONE	P
16-Apr-20	14	1228	FP	2	SWL	2	146	ON	3RS ET	22.1460	113.9083	SPRING	NONE	P
16-Apr-20	15	1233	FP	1	SWL	2	70	ON	3RS ET	22.1511	113.9083	SPRING	NONE	P
16-Apr-20	16	1335	FP	3	SWL	2	18	ON	3RS ET	22.1562	113.8980	SPRING	NONE	P
16-Apr-20	17	1338	FP	4	SWL	2	251	ON	3RS ET	22.1523	113.8974	SPRING	NONE	P
17-Apr-20	1	1304	FP	3	SWL	2	70	ON	3RS ET	22.1701	113.8964	SPRING	NONE	P
17-Apr-20	2	1311	FP	1	SWL	2	747	ON	3RS ET	22.1594	113.8973	SPRING	NONE	P
17-Apr-20	3	1327	FP	1	SWL	3	68	ON	3RS ET	22.1608	113.8872	SPRING	NONE	P
7-May-20	1	1032	CWD	1	WL	3	177	ON	3RS ET	22.2692	113.8499	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
7-May-20	2	1115	CWD	1	WL	3	19	ON	3RS ET	22.2409	113.8395	SPRING	NONE	P
7-May-20	3	1121	CWD	15	WL	3	257	ON	3RS ET	22.2411	113.8362	SPRING	NONE	P
11-May-20	1	1052	FP	1	SWL	2	421	ON	3RS ET	22.1620	113.9362	SPRING	NONE	P
11-May-20	2	1055	FP	4	SWL	2	22	ON	3RS ET	22.1606	113.9360	SPRING	NONE	P
11-May-20	3	1058	FP	2	SWL	2	181	ON	3RS ET	22.1554	113.9361	SPRING	NONE	P
11-May-20	4	1513	CWD	13	SWL	2	191	ON	3RS ET	22.1850	113.8500	SPRING	NONE	P
12-May-20	1	1051	FP	4	SWL	2	14	ON	3RS ET	22.1543	113.9363	SPRING	NONE	P
12-May-20	2	1057	FP	3	SWL	2	120	ON	3RS ET	22.1474	113.9330	SPRING	NONE	S
12-May-20	3	1101	FP	2	SWL	2	188	ON	3RS ET	22.1451	113.9301	SPRING	NONE	S
12-May-20	4	1215	FP	2	SWL	2	17	ON	3RS ET	22.1550	113.9057	SPRING	NONE	S
12-May-20	5	1441	CWD	5	SWL	2	170	ON	3RS ET	22.1954	113.8685	SPRING	NONE	P
12-May-20	6	1546	CWD	1	SWL	3	279	ON	3RS ET	22.1946	113.8500	SPRING	NONE	P
13-May-20	1	1056	CWD	6	WL	2	331	ON	3RS ET	22.2447	113.8495	SPRING	NONE	S
13-May-20	2	1127	CWD	1	WL	2	179	ON	3RS ET	22.2416	113.8370	SPRING	NONE	P
13-May-20	3	1140	CWD	16	WL	3	78	ON	3RS ET	22.2414	113.8286	SPRING	PURSE SEINER	P
13-May-20	4	1231	CWD	1	WL	4	60	ON	3RS ET	22.2149	113.8309	SPRING	NONE	P

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

Notes:

CWD monitoring survey data of the two preceding survey months are presented for reference only. No relevant figure or text will be mentioned in this monthly EM&A report.

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

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

A total of 424.257 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 9 on-effort sightings and total number of 59 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in May 2020 are shown as below:

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

$$STG = \frac{9}{424.257} \times 100 = 2.12$$

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

$$ANI = \frac{59}{424.257} \times 100 = 13.91$$

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

A total of 1279.916 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 26 on-effort sightings and total number of 121 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)









$$STG = \frac{26}{1279.916} \times 100 = 2.03$$

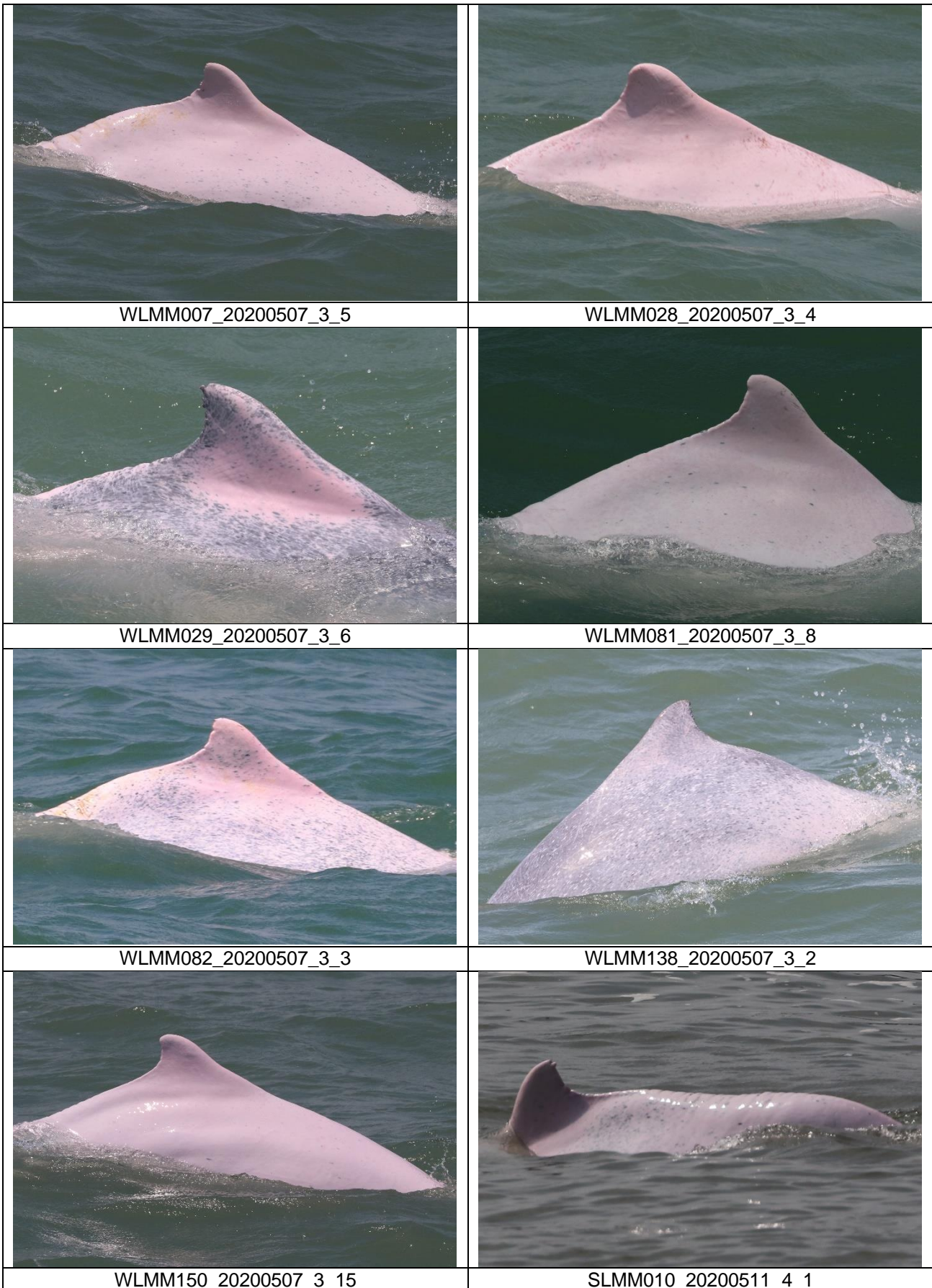
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{121}{1279.916} \times 100 = 9.45$$

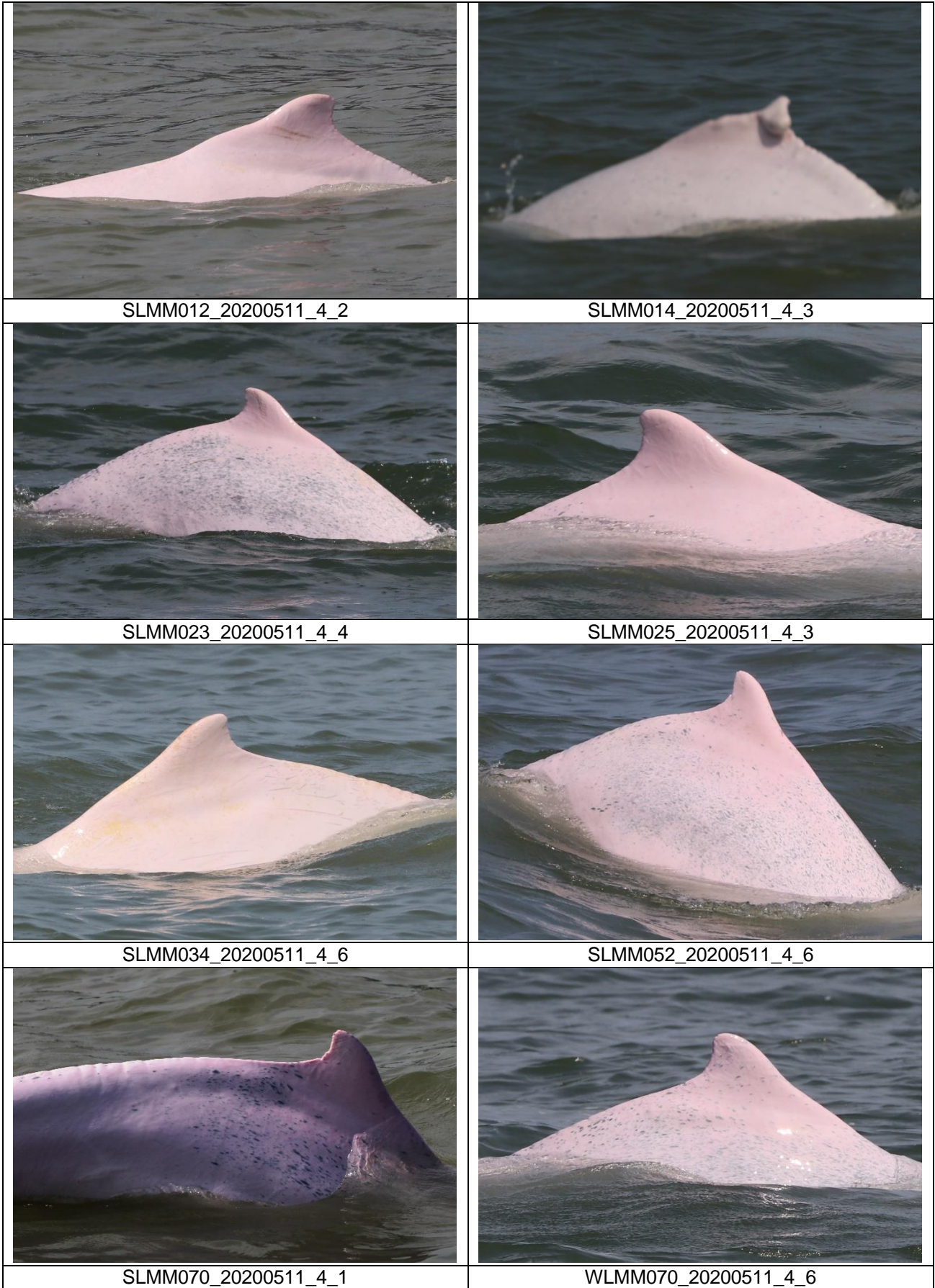
CWD Small Vessel Line-transect Survey









Photo Identification









	
WLMM027_20200507_1_5	WLMM009_20200507_2_3
	
SLMM003_20200507_3_2	SLMM007_20200507_3_1
	
SLMM030_20200507_3_3	WLMM001_20200507_3_2
	
WLMM005_20200507_3_7	WLMM006_20200507_3_1

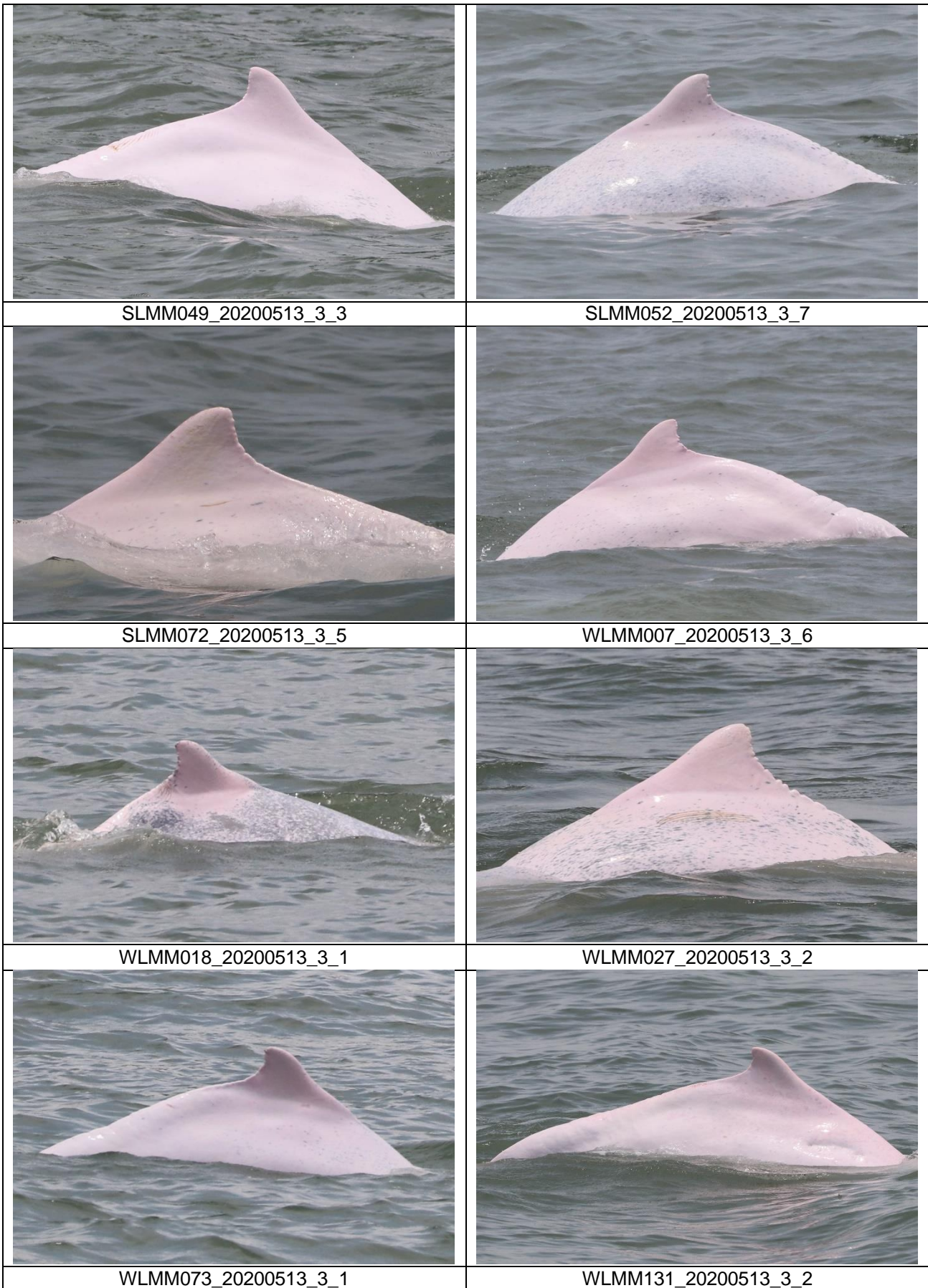






	
WLMM073_20200511_4_2	WLMM114_20200511_4_8
	
SLMM002_20200512_5_2	SLMM031_20200512_5_11
	
SLMM059_20200512_5_2	SLMM068_20200512_5_6
	
SLMM072_20200512_6_7	SLMM002_20200513_1_7

	
SLMM023_20200513_1_3	SLMM034_20200513_1_2
	
SLMM044_20200513_1_5	WLMM114_20200513_1_7
	
SLMM002_20200513_3_5	SLMM003_20200513_3_11
	
SLMM023_20200513_3_1	SLMM034_20200513_3_1





WLMM150\_20200513\_3\_1



SLMM030\_20200513\_4\_1

**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>
27/May/20	Lung Kwu Chau	8:56	14:56	6:00	2	3	1	1
28/May/20	Sha Chau	10:45	16:45	6:00	2	3	0	0

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