

## **Appendix D. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

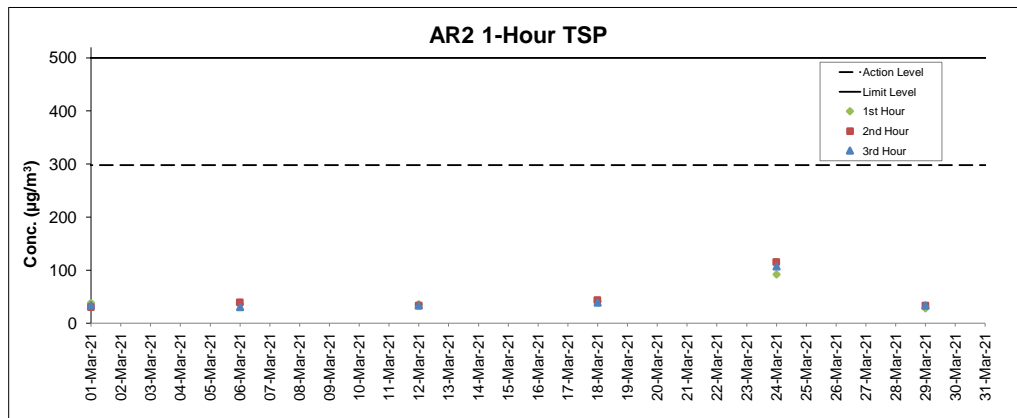
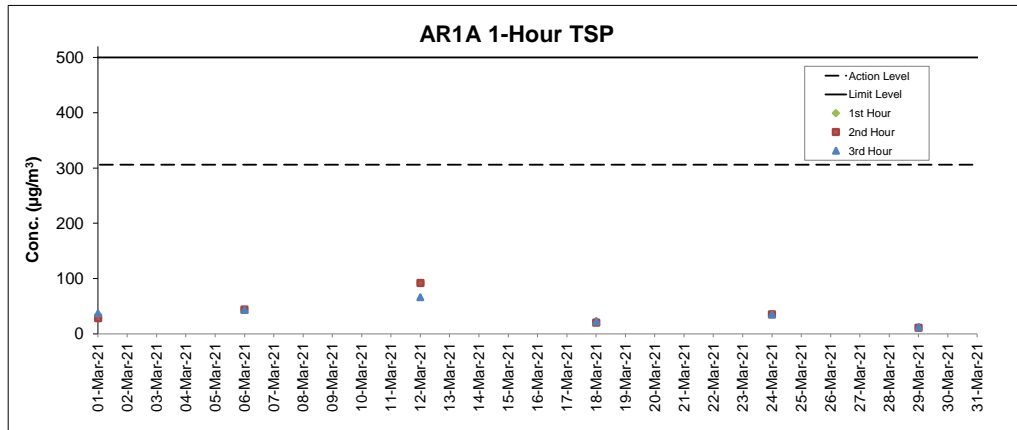
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
1-Mar-21	13:09	Cloudy	2.5	256	34	306	500
1-Mar-21	14:09	Cloudy	2.8	255	28	306	500
1-Mar-21	15:09	Cloudy	3.9	268	37	306	500
6-Mar-21	13:13	Cloudy	6.7	138	44	306	500
6-Mar-21	14:13	Cloudy	5.3	146	44	306	500
6-Mar-21	15:13	Cloudy	4.7	49	43	306	500
12-Mar-21	13:31	Cloudy	3.9	247	92	306	500
12-Mar-21	14:31	Cloudy	2.8	264	92	306	500
12-Mar-21	15:31	Cloudy	3.1	236	66	306	500
18-Mar-21	13:26	Cloudy	7.2	93	23	306	500
18-Mar-21	14:26	Cloudy	6.7	70	20	306	500
18-Mar-21	15:26	Cloudy	5.8	52	22	306	500
24-Mar-21	13:46	Cloudy	3.9	276	36	306	500
24-Mar-21	14:46	Cloudy	2.8	265	35	306	500
24-Mar-21	15:46	Cloudy	2.2	258	35	306	500
29-Mar-21	13:17	Cloudy	8.3	226	11	306	500
29-Mar-21	14:17	Cloudy	7.8	228	11	306	500
29-Mar-21	15:17	Cloudy	6.1	209	12	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 ( $\mu\text{g}/\text{m}^3$ )
1-Mar-21	14:04	Cloudy	2.8	248	38	298	500
1-Mar-21	15:04	Cloudy	3.3	264	30	298	500
1-Mar-21	16:04	Cloudy	3.3	266	34	298	500
6-Mar-21	9:32	Cloudy	6.7	88	36	298	500
6-Mar-21	10:32	Cloudy	7.5	66	39	298	500
6-Mar-21	11:32	Cloudy	7.5	71	30	298	500
12-Mar-21	14:09	Cloudy	3.3	241	36	298	500
12-Mar-21	15:09	Cloudy	3.3	237	33	298	500
12-Mar-21	16:09	Cloudy	2.8	243	33	298	500
18-Mar-21	13:40	Cloudy	7.2	86	41	298	500
18-Mar-21	14:40	Cloudy	6.7	68	43	298	500
18-Mar-21	15:40	Cloudy	5.3	65	39	298	500
24-Mar-21	14:16	Cloudy	2.2	300	92	298	500
24-Mar-21	15:16	Cloudy	4.2	265	115	298	500
24-Mar-21	16:16	Cloudy	3.1	281	107	298	500
29-Mar-21	14:05	Cloudy	7.8	226	28	298	500
29-Mar-21	15:05	Cloudy	6.7	200	33	298	500
29-Mar-21	16:05	Cloudy	5.3	214	33	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>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
01-Mar-21	Cloudy	15:20	71.9	49.8	71
01-Mar-21	Cloudy	15:25	72.7	51.1	
01-Mar-21	Cloudy	15:30	68.3	49.3	
01-Mar-21	Cloudy	15:35	72.2	48.9	
01-Mar-21	Cloudy	15:40	70.9	50.3	
01-Mar-21	Cloudy	15:45	71.9	50.6	
12-Mar-21	Cloudy	17:33	63.4	56.7	66
12-Mar-21	Cloudy	17:38	65.1	57.3	
12-Mar-21	Cloudy	17:43	64.9	60.1	
12-Mar-21	Cloudy	17:48	67.6	57.6	
12-Mar-21	Cloudy	17:53	67.2	56.7	
12-Mar-21	Cloudy	17:58	68.1	50.2	
18-Mar-21	Cloudy	17:15	68.7	57.4	64
18-Mar-21	Cloudy	17:20	65.6	56.9	
18-Mar-21	Cloudy	17:25	62.1	55.0	
18-Mar-21	Cloudy	17:30	61.9	54.8	
18-Mar-21	Cloudy	17:35	62.0	54.6	
18-Mar-21	Cloudy	17:40	63.6	55.2	
24-Mar-21	Cloudy	12:46	75.8	54.5	67
24-Mar-21	Cloudy	12:51	75.4	53.1	
24-Mar-21	Cloudy	12:56	73.8	52.7	
24-Mar-21	Cloudy	13:01	74.9	51.0	
24-Mar-21	Cloudy	13:06	75.6	51.0	
24-Mar-21	Cloudy	13:11	75.1	53.1	
29-Mar-21	Cloudy	11:51	65.3	55.1	65
29-Mar-21	Cloudy	11:56	69.1	52.6	
29-Mar-21	Cloudy	12:01	57.1	51.7	
29-Mar-21	Cloudy	12:06	60.2	49.3	
29-Mar-21	Cloudy	12:11	55.9	50.5	
29-Mar-21	Cloudy	12:16	60.4	52.3	

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>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
02-Mar-21	Cloudy	12:57	60.1	56.0	63
02-Mar-21	Cloudy	13:02	61.1	57.1	
02-Mar-21	Cloudy	13:07	62.0	57.4	
02-Mar-21	Cloudy	13:12	62.3	57.5	
02-Mar-21	Cloudy	13:17	63.1	58.0	
02-Mar-21	Cloudy	13:22	62.1	58.0	
10-Mar-21	Cloudy	13:19	66.6	62.2	65
10-Mar-21	Cloudy	13:24	65.1	58.8	
10-Mar-21	Cloudy	13:29	63.2	58.0	
10-Mar-21	Cloudy	13:34	63.4	57.4	
10-Mar-21	Cloudy	13:39	62.0	56.7	
10-Mar-21	Cloudy	13:44	64.9	57.6	
19-Mar-21	Cloudy	12:37	60.8	55.0	61
19-Mar-21	Cloudy	12:42	61.6	56.1	
19-Mar-21	Cloudy	12:47	60.0	55.9	
19-Mar-21	Cloudy	12:52	60.9	55.6	
19-Mar-21	Cloudy	12:57	60.1	55.0	
19-Mar-21	Cloudy	13:02	60.0	55.3	
23-Mar-21	Cloudy	12:16	64.1	55.8	63
23-Mar-21	Cloudy	12:21	64.9	54.7	
23-Mar-21	Cloudy	12:26	59.5	54.7	
23-Mar-21	Cloudy	12:31	61.4	54.9	
23-Mar-21	Cloudy	12:36	66.6	55.6	
23-Mar-21	Cloudy	12:41	61.1	56.2	
31-Mar-21	Cloudy	13:16	60.9	57.2	62
31-Mar-21	Cloudy	13:21	61.3	57.5	
31-Mar-21	Cloudy	13:26	61.0	56.3	
31-Mar-21	Cloudy	13:31	60.0	55.6	
31-Mar-21	Cloudy	13:36	60.9	55.5	
31-Mar-21	Cloudy	13:41	60.3	55.4	

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)
01-Mar-21	Cloudy	14:30	55.4	53.0	59
01-Mar-21	Cloudy	14:35	54.7	52.9	
01-Mar-21	Cloudy	14:40	55.2	52.9	
01-Mar-21	Cloudy	14:45	54.8	53.0	
01-Mar-21	Cloudy	14:50	56.1	53.3	
01-Mar-21	Cloudy	14:55	63.4	49.2	
12-Mar-21	Cloudy	14:23	64.0	56.7	61
12-Mar-21	Cloudy	14:28	61.8	56.0	
12-Mar-21	Cloudy	14:33	60.2	54.7	
12-Mar-21	Cloudy	14:38	61.7	55.9	
12-Mar-21	Cloudy	14:43	61.7	56.6	
12-Mar-21	Cloudy	14:48	61.5	55.2	
18-Mar-21	Cloudy	14:04	52.4	47.1	54
18-Mar-21	Cloudy	14:09	55.1	43.8	
18-Mar-21	Cloudy	14:14	53.3	43.6	
18-Mar-21	Cloudy	14:19	50.9	45.9	
18-Mar-21	Cloudy	14:24	54.3	46.7	
18-Mar-21	Cloudy	14:29	52.6	45.1	
24-Mar-21	Cloudy	14:34	57.0	46.5	56
24-Mar-21	Cloudy	14:39	54.3	46.9	
24-Mar-21	Cloudy	14:44	55.9	46.0	
24-Mar-21	Cloudy	14:49	56.0	46.9	
24-Mar-21	Cloudy	14:54	55.6	46.8	
24-Mar-21	Cloudy	14:59	54.7	46.8	
29-Mar-21	Cloudy	14:23	62.2	53.1	65
29-Mar-21	Cloudy	14:28	63.2	53.7	
29-Mar-21	Cloudy	14:33	66.1	58.1	
29-Mar-21	Cloudy	14:38	66.7	54.4	
29-Mar-21	Cloudy	14:43	67.4	59.2	
29-Mar-21	Cloudy	14:48	66.2	52.9	

Remarks:

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

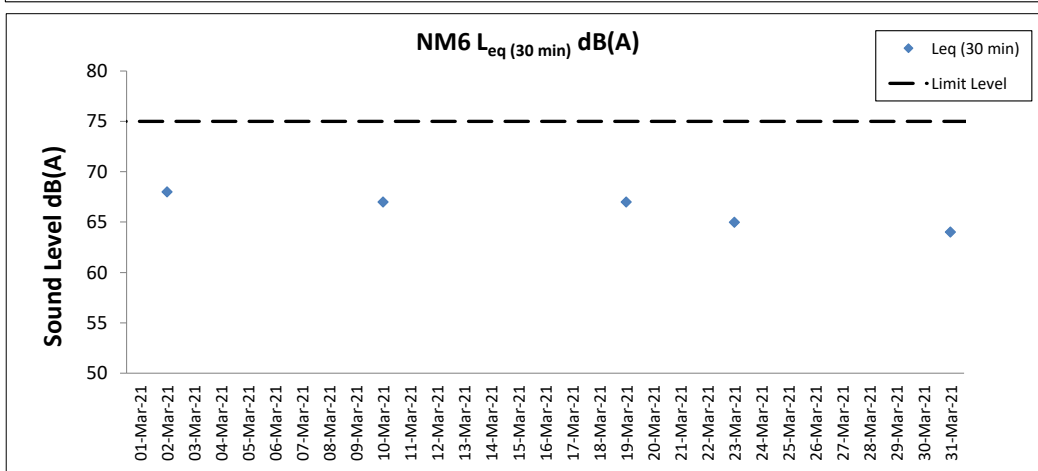
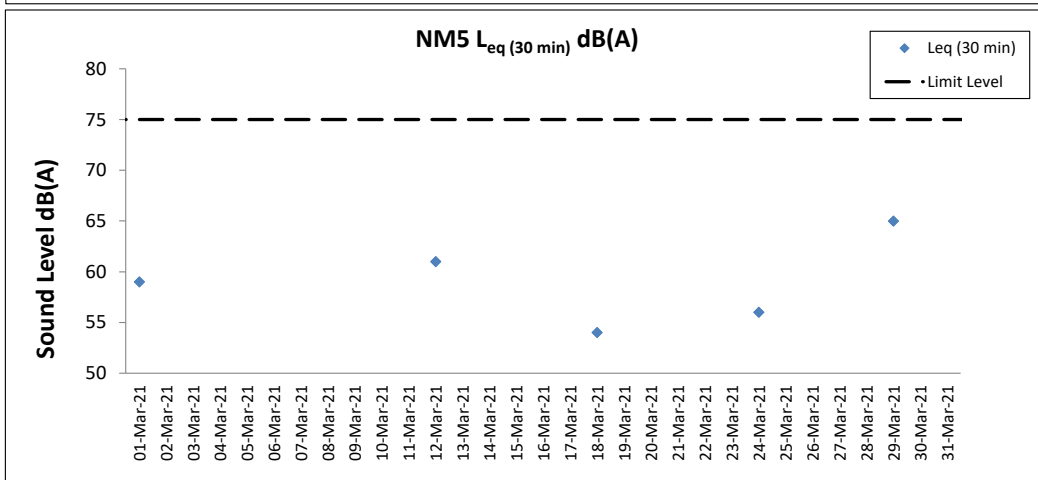
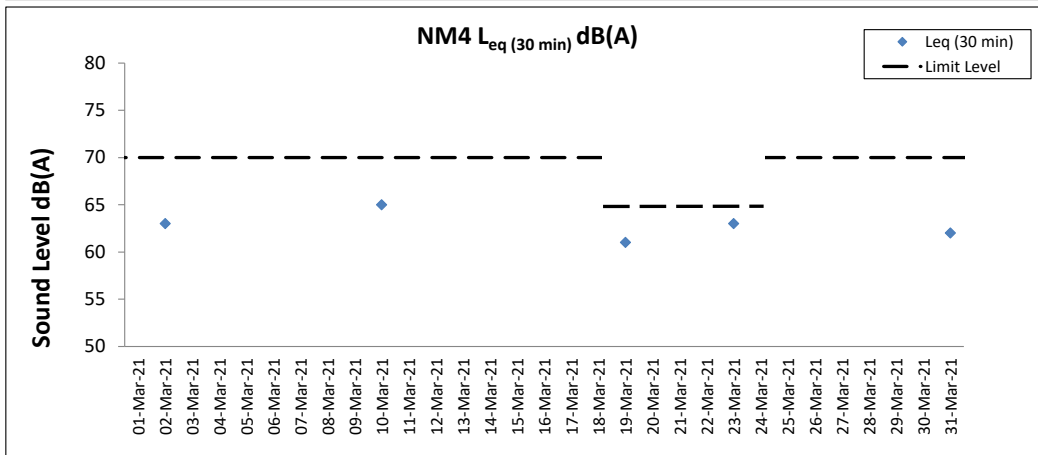
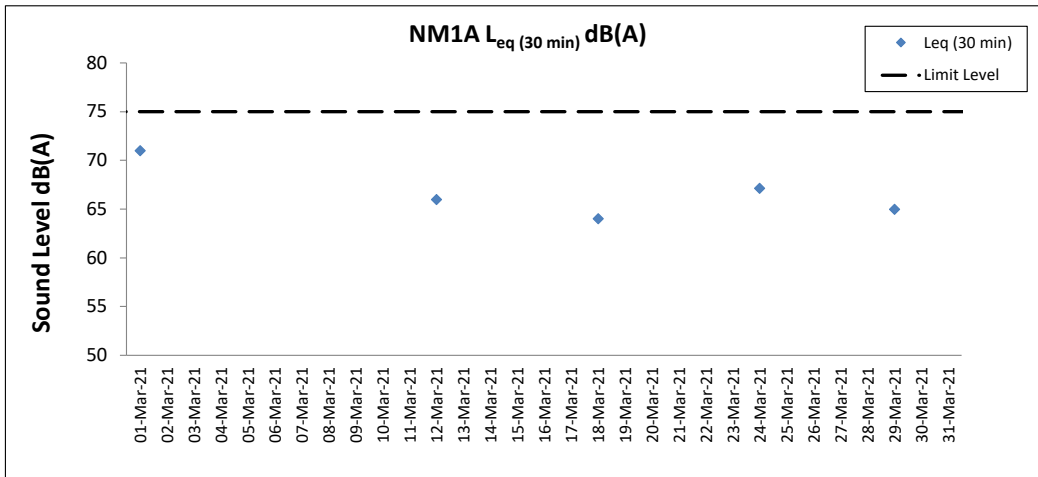
### Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
02-Mar-21	Cloudy	15:50	69.6	54.1	68
02-Mar-21	Cloudy	15:55	68.4	53.7	
02-Mar-21	Cloudy	16:00	69.2	53.5	
02-Mar-21	Cloudy	16:05	70.1	53.8	
02-Mar-21	Cloudy	16:10	69.3	54.1	
02-Mar-21	Cloudy	16:15	69.7	54.2	
10-Mar-21	Cloudy	15:43	66.1	52.8	67
10-Mar-21	Cloudy	15:48	66.4	54.9	
10-Mar-21	Cloudy	15:53	68.4	56.5	
10-Mar-21	Cloudy	15:58	67.2	56.5	
10-Mar-21	Cloudy	16:03	68.3	56.6	
10-Mar-21	Cloudy	16:08	65.9	51.5	
19-Mar-21	Cloudy	15:46	69.0	52.8	67
19-Mar-21	Cloudy	15:51	70.1	51.2	
19-Mar-21	Cloudy	15:56	64.5	49.1	
19-Mar-21	Cloudy	16:01	68.7	50.9	
19-Mar-21	Cloudy	16:06	66.6	49.8	
19-Mar-21	Cloudy	16:11	65.5	49.2	
23-Mar-21	Cloudy	15:45	66.9	55.3	65
23-Mar-21	Cloudy	15:50	66.1	57.5	
23-Mar-21	Cloudy	15:55	64.5	57.2	
23-Mar-21	Cloudy	16:00	62.9	57.2	
23-Mar-21	Cloudy	16:05	65.6	57.7	
23-Mar-21	Cloudy	16:10	62.8	57.1	
31-Mar-21	Cloudy	15:46	63.8	51.6	64
31-Mar-21	Cloudy	15:51	67.5	54.2	
31-Mar-21	Cloudy	15:56	67.5	53.6	
31-Mar-21	Cloudy	16:01	63.6	53.8	
31-Mar-21	Cloudy	16:06	59.7	53.6	
31-Mar-21	Cloudy	16:11	59.2	53.2	

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 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	14:35	8.2	Surface	1.0	0.2	228	20.7	20.7	8.2	8.2	29.9	29.9	95.9	95.9	7.2	7.2	3.8	3.8	9	9	87	87	89	815639	804268	<0.2	1.2	<0.2	1.1						
						1.0	0.2	230	20.7	8.2	8.2	29.9	29.9	95.9	95.9	7.2	7.2	3.8	3.8	10	10	86	86	89	815639	804268	<0.2	1.2	<0.2	1.1							
						4.1	0.2	218	20.5	8.2	8.2	30.2	30.3	94.2	94.0	7.1	7.1	6.1	6.1	11	11	88	88	89	815639	804268	<0.2	1.2	<0.2	1.2							
					Middle	4.1	0.2	239	20.5	8.2	8.2	30.5	30.3	93.7	93.5	7.1	7.1	6.4	6.4	10	10	89	89	11	11	88	88	89	815639	804268	<0.2	1.2	<0.2	1.2			
						7.2	0.2	231	20.4	8.2	8.2	30.8	30.7	93.3	93.5	7.0	7.0	7.3	7.3	13	13	91	91	10	10	89	815639	804268	<0.2	1.1	<0.2	1.1					
						7.2	0.2	237	20.4	8.2	8.2	30.6	30.7	93.6	93.5	7.1	7.1	7.3	7.3	12	12	90	90	10	10	89	815639	804268	<0.2	1.1	<0.2	1.1					
					C2	Cloudy	Rough	13:29	12.5	Surface	1.0	0.4	108	20.9	20.9	8.0	8.0	29.5	29.6	89.6	89.6	6.7	6.7	6.9	6.9	10	10	87	87	90	825699	806933	<0.2	1.4	<0.2	1.3	
											1.0	0.4	108	20.8	8.0	8.0	29.6	29.6	89.5	89.6	6.7	6.7	7.1	7.1	9	9	87	87	90	825699	806933	<0.2	1.3	<0.2	1.3		
											6.3	0.3	125	20.6	8.0	8.0	30.5	30.5	88.8	88.8	6.7	6.7	11.9	11.9	10	10	90	90	9	9	89	825699	806933	<0.2	1.2	<0.2	1.2
Middle	6.3	0.4	135	20.5						8.0	8.0	30.6	30.5	88.8	88.8	6.7	6.7	12.2	12.2	9	9	90	90	11	11	92	825699	806933	<0.2	1.3	<0.2	1.3					
	11.5	0.3	122	20.5						8.0	8.0	30.7	30.7	88.7	88.7	6.7	6.7	12.1	12.1	11	11	92	92	10	10	92	825699	806933	<0.2	1.5	<0.2	1.5					
	11.5	0.3	123	20.5						8.0	8.0	30.7	30.7	88.7	88.7	6.7	6.7	12.0	12.0	12	12	93	93	10	10	92	825699	806933	<0.2	1.3	<0.2	1.3					
C3	Cloudy	Rough	15:32	11.6						Surface	1.0	0.5	40	20.6	20.6	8.0	8.0	31.4	31.4	84.1	84.0	6.3	6.3	4.6	4.6	7	7	86	86	89	822091	817781	<0.2	1.4	<0.2	1.4	
											1.0	0.5	41	20.6	8.0	8.0	31.4	31.4	83.9	83.9	6.3	6.3	4.5	4.5	6	6	87	87	89	822091	817781	<0.2	1.4	<0.2	1.4		
											5.8	0.3	58	20.5	8.0	8.0	31.7	31.7	83.6	83.6	6.3	6.3	4.4	4.4	6	6	87	87	89	822091	817781	<0.2	1.2	<0.2	1.2		
					Middle	5.8	0.4	62	20.5	8.0	8.0	31.7	31.7	83.6	83.6	6.3	6.3	4.4	4.4	7	7	88	88	7	7	87	822091	817781	<0.2	1.2	<0.2	1.2					
						10.6	0.2	62	20.5	8.0	8.0	31.8	31.8	85.2	85.5	6.4	6.4	4.9	4.9	7	7	92	92	8	8	92	822091	817781	<0.2	1.4	<0.2	1.4					
						10.6	0.3	67	20.5	8.0	8.0	31.8	31.8	85.7	85.7	6.4	6.4	4.8	4.8	8	8	92	92	8	8	92	822091	817781	<0.2	1.4	<0.2	1.4					
					IM1	Cloudy	Moderate	14:14	5.0	Surface	1.0	0.1	209	21.0	21.0	8.1	8.1	29.4	29.4	96.0	96.0	7.2	7.2	6.1	6.1	10	10	87	87	89	817971	807133	<0.2	1.0	<0.2	1.0	
											1.0	0.1	226	21.0	8.1	8.1	29.5	29.4	95.9	95.9	7.2	7.2	6.3	6.3	9	9	89	89	10	10	89	817971	807133	<0.2	1.0	<0.2	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.0	0.2	230	21.0						21.0	8.1	8.1	29.7	29.6	96.1	96.6	7.2	7.2	6.5	6.5	10	10	89	89	10	10	89	817971	807133	<0.2	1.2	<0.2	1.2				
	4.0	0.2	244	21.0						21.0	8.1	8.1	29.6	29.6	97.1	96.6	7.3	7.3	7.1	7.1	9	9	89	89	10	10	89	817971	807133	<0.2	1.2	<0.2	1.2				
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IM2	Cloudy	Moderate	14:07	7.0						Surface	1.0	0.2	119	20.8	20.8	8.2	8.2	29.6	29.6	93.6	93.5	7.1	7.1	6.5	6.5	14	14	86	86	88	818169	806185	<0.2	1.2	<0.2	1.2	
											1.0	0.2	120	20.8	8.2	8.2	29.6	29.6	93.3	93.3	7.0	7.0	6.6	6.6	15	15	85	85	15	15	87	818169	806185	<0.2	1.1	<0.2	1.1
											3.5	0.2	147	20.7	8.2	8.2	29.7	29.7	90.8	90.7	6.9	6.9	7.7	7.7	15	15	87	87	16	16	89	818169	806185	<0.2	1.2	<0.2	1.2
					Middle	3.5	0.2	147	20.6	8.2	8.2	29.8	29.7	90.5	90.5	6.8	6.8	7.9	7.9	16	16	89	89	16	16	89	818169	806185	<0.2	1.2	<0.2	1.2					
						6.0	0.1	238	20.6	8.1	8.1	29.9	29.9	90.0	90.0	6.8	6.8	8.2	8.2	16	16	90	90	15	15	89	818169	806185	<0.2	1.1	<0.2	1.1					
						6.0	0.1	242	20.6	8.1	8.1	29.9	29.9	90.0	90.0	6.8	6.8	8.9	8.9	15	15	89	89	15	15	89	818169	806185	<0.2	1.1	<0.2	1.1					
					IM3	Cloudy	Moderate	14:00	7.2	Surface	1.0	0.1	130	20.7	20.7	8.2	8.2	29.6	29.6	92.3	92.2	7.0	7.0	8.5	8.5	12	12	87	87	88	818770	805585	<0.2	1.3	<0.2	1.3	
											1.0	0.1	137	20.7	8.2	8.2	29.6	29.6	92.0	92.2	6.9	6.9	8.8	8.8	11	11	88	88	11	11	88	818770	805585	<0.2	1.1	<0.2	1.1
											3.6	0.0	328	20.6	8.2	8.2	29.7	29.7	91.4	91.4	6.9	6.9	9.0	9.0	11	11	90	90	12	12	89	818770	805585	<0.2	0.9	<0.2	0.9
Middle	3.6	0.0	331	20.6						8.2	8.2	29.7	29.7	91.3	91.4	6.9	6.9	9.5	9.5	12	12	89	89	12	12	89	818770	805585	<0.2	0.9	<0.2	0.9					
	6.2	0.1	239	20.6						8.1	8.1	29.9	29.9	91.5	91.7	6.9	6.9	9.5	9.5	14	14	91	91	13	13	90	818770	805585	<0.2	1.2	<0.2	1.2					
	6.2	0.1	251	20.6						8.1	8.1	29.9	29.9	91.9	91.7	6.9	6.9	9.9	9.9	13	13	90	90	13	13	90	818770	805585	<0.2	1.2	<0.2	1.2					
IM4	Cloudy	Moderate	13:51	8.6						Surface	1.0	0.1	91	20.7	20.7	8.2	8.2	29.7	29.7	92.9	92.9	7.0	7.0	8.6	8.6	10	10	86	86	88	819725	804630	<0.2	0.8	<0.2	0.8	
											1.0	0.1	99	20.7	8.2	8.2	29.7	29.7	92.9	92.9	7.0	7.0	8.7	8.7	11	11	86	86	10	10	86	819725	804630	<0.2	0.8	<0.2	0.8
											4.3	0.1	224	20.7	8.2	8.2	29.7	29.7	92.8	92.9	7.0	7.0	8.9	8.9	9	9	87	87	10	10	88	819725	804630	<0.2	0.9	<0.2	0.9
					Middle	4.3	0.1	242	20.7	8.2	8.2	29.7	29.7	92.9	92.9	7.0	7.0	8.9	8.9	10	10	88	88	10	10	88	819725	804630	<0.2	0.9	<0.2	0.9					
						7.6	0.0	14	20.7	8.2	8.2	29.7	29.7	92.7	92.8	7.0	7.0	9.1	9.1	10	10	90	90	9	9	91	819725	804630	<0.2	0.9	<0.2	0.9					
						7.6	0.0	14	20.7	8.2	8.2	29.7	29.7	92.8	92.8	7.0	7.0	10.1	10.1	9	9	91	91	9	9	91	819725	804630	<0.2	0.9	<0.2	0.9					
					IM5	Cloudy	Moderate	13:41	7.8	Surface	1.0	0.0	161	20.8	20.8	8.1	8.1	29.5	29.5	93.1	93.1	7.0	7.0	9.1	9.1	11	11	86	86	88	820739	804884	<0.2	1.1	<0.2	1.1	
											1.0	0.0	176	20.8	8.1	8.1	29.5	29.																			

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

Water Quality Monitoring Results on 02 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	14:01	7.5	Surface	1.0	0.5	132	20.8	8.0	8.0	29.7	29.7	89.1	89.1	6.7	6.7	7.2	10	86	89	822096	808805	<0.2	1.5	1.5	1.3				
						1.0	0.5	142	20.8	8.0	8.0	29.8	29.8	89.1	89.1	6.7	6.7	7.5	10	86	89	822096	808805	<0.2	1.5	1.5	1.3				
					Middle	3.8	0.5	104	20.7	8.0	8.0	30.2	30.3	89.3	89.3	6.7	6.7	11.7	12	88	89	822096	808805	<0.2	1.2	1.2	1.3				
						3.8	0.5	107	20.7	8.0	8.0	30.3	30.3	89.3	89.3	6.7	6.7	12.3	11	90	89	822096	808805	<0.2	1.5	1.5	1.3				
					Bottom	6.5	0.4	75	20.6	8.0	8.0	30.9	30.9	89.2	89.2	6.7	6.7	16.6	12	91	89	822096	808805	<0.2	1.2	1.2	1.3				
						6.5	0.4	75	20.6	8.0	8.0	30.9	30.9	89.2	89.2	6.7	6.7	16.6	11	91	89	822096	808805	<0.2	1.2	1.2	1.3				
IM10	Cloudy	Rough	14:09	7.6	Surface	1.0	0.6	132	20.9	8.0	8.0	29.9	29.9	90.3	90.3	6.8	6.8	7.8	12	85	89	822407	809783	<0.2	1.4	1.4	1.3				
						1.0	0.7	134	20.9	8.0	8.0	29.9	29.9	90.2	90.2	6.8	6.8	8.0	12	86	89	822407	809783	<0.2	1.3	1.3	1.3				
					Middle	3.8	0.5	113	20.7	8.0	8.0	30.4	30.4	89.4	89.4	6.7	6.7	10.7	10	90	89	822407	809783	<0.2	1.4	1.4	1.3				
						3.8	0.5	113	20.7	8.0	8.0	30.4	30.4	89.4	89.4	6.7	6.7	11.1	11	91	89	822407	809783	<0.2	1.4	1.4	1.3				
					Bottom	6.6	0.4	110	20.7	8.0	8.0	30.5	30.5	90.0	90.0	6.8	6.8	11.1	10	91	89	822407	809783	<0.2	1.2	1.2	1.3				
						6.6	0.4	113	20.7	8.0	8.0	30.5	30.5	90.1	90.1	6.8	6.8	11.3	9	91	89	822407	809783	<0.2	1.2	1.2	1.3				
IM11	Cloudy	Rough	14:19	7.8	Surface	1.0	0.6	127	20.8	8.0	8.0	30.1	30.2	88.2	88.1	6.6	6.6	5.8	9	86	89	822070	811476	<0.2	1.3	1.3	1.3				
						1.0	0.6	139	20.8	8.0	8.0	30.2	30.2	88.0	88.0	6.6	6.6	5.8	9	87	89	822070	811476	<0.2	1.2	1.2	1.3				
					Middle	3.9	0.4	129	20.7	8.0	8.0	30.7	30.7	87.0	87.0	6.5	6.5	6.1	9	89	89	822070	811476	<0.2	1.6	1.6	1.3				
						3.9	0.4	129	20.7	8.0	8.0	30.7	30.7	86.9	86.9	6.5	6.5	6.2	8	91	89	822070	811476	<0.2	1.5	1.5	1.3				
					Bottom	6.8	0.3	128	20.6	8.0	8.0	30.8	30.8	87.1	87.2	6.5	6.5	6.8	8	92	89	822070	811476	<0.2	1.2	1.2	1.3				
						6.8	0.3	139	20.6	8.0	8.0	30.8	30.8	87.3	87.3	6.5	6.5	6.9	9	91	89	822070	811476	<0.2	1.2	1.2	1.3				
IM12	Cloudy	Rough	14:25	8.8	Surface	1.0	0.5	115	20.9	8.0	8.0	30.0	30.0	88.8	88.8	6.7	6.7	5.3	8	85	88	821443	812027	<0.2	1.2	1.2	1.3				
						1.0	0.5	118	20.9	8.0	8.0	30.0	30.0	88.8	88.8	6.7	6.7	5.3	8	85	88	821443	812027	<0.2	1.1	1.1	1.3				
					Middle	4.4	0.3	111	20.8	8.0	8.0	30.7	30.7	87.1	87.0	6.5	6.5	5.5	8	86	88	821443	812027	<0.2	1.3	1.3	1.3				
						4.4	0.3	113	20.8	8.0	8.0	30.7	30.7	86.9	86.9	6.5	6.5	5.6	9	89	88	821443	812027	<0.2	1.4	1.4	1.3				
					Bottom	7.8	0.2	102	20.7	8.0	8.0	30.8	30.8	86.2	86.3	6.5	6.5	6.4	10	91	88	821443	812027	<0.2	1.4	1.4	1.3				
						7.8	0.2	108	20.7	8.0	8.0	30.8	30.8	86.3	86.3	6.5	6.5	6.4	11	91	88	821443	812027	<0.2	1.5	1.5	1.3				
SR1A	Cloudy	Moderate	14:57	5.4	Surface	1.0	-	-	20.9	8.0	8.0	30.7	30.7	88.6	88.6	6.6	6.6	6.5	5	-	-	819983	812654	-	-	-	-				
						1.0	-	-	20.9	8.0	8.0	30.7	30.7	88.6	88.6	6.6	6.6	6.7	6	-	-	819983	812654	-	-	-	-				
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819983	812654	-	-	-	-		
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819983	812654	-	-	-	-		
					Bottom	4.4	-	-	20.9	8.0	8.0	30.7	30.7	89.7	89.8	6.7	6.7	7.1	6	-	-	-	-	819983	812654	-	-	-	-		
						4.4	-	-	20.9	8.0	8.0	30.7	30.7	89.8	89.8	6.7	6.7	7.2	7	-	-	-	-	819983	812654	-	-	-	-		
SR2	Cloudy	Rough	15:12	4.7	Surface	1.0	0.5	114	20.8	8.0	8.0	30.6	30.6	89.4	89.5	6.7	6.7	5.4	6	89	91	821443	814156	<0.2	1.3	1.3	1.4				
						1.0	0.5	118	20.8	8.0	8.0	30.7	30.7	89.5	89.5	6.7	6.7	5.4	6	91	91	821443	814156	<0.2	1.4	1.4	1.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821443	814156	<0.2	1.4	1.4	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821443	814156	<0.2	1.4	1.4	1.4		
					Bottom	3.7	0.2	106	20.8	8.0	8.0	30.7	30.7	90.4	90.6	6.8	6.8	5.7	4	92	91	821443	814156	<0.2	1.5	1.5	1.4				
						3.7	0.3	114	20.8	8.0	8.0	30.7	30.7	90.7	90.7	6.8	6.8	5.8	5	92	92	821443	814156	<0.2	1.3	1.3	1.4				
SR3	Cloudy	Rough	13:51	8.8	Surface	1.0	0.3	110	20.7	8.0	8.0	30.0	30.0	88.7	88.8	6.7	6.7	8.9	11	-	-	822153	807563	-	-	-	-				
						1.0	0.3	112	20.7	8.0	8.0	30.0	30.0	88.8	88.8	6.7	6.7	9.4	10	-	-	822153	807563	-	-	-	-				
					Middle	4.4	0.1	63	20.6	8.0	8.0	30.5	30.5	89.5	89.5	6.7	6.7	15.1	9	-	-	822153	807563	-	-	-	-				
						4.4	0.1	67	20.6	8.0	8.0	30.5	30.5	89.5	89.5	6.7	6.7	15.2	10	-	-	822153	807563	-	-	-	-				
					Bottom	7.8	0.2	30	20.6	8.0	8.0	30.7	30.7	89.6	89.6	6.7	6.7	18.7	9	-	-	822153	807563	-	-	-	-				
						7.8	0.2	32	20.6	8.0	8.0	30.7	30.7	89.5	89.5	6.7	6.7	18.5	9	-	-	822153	807563	-	-	-	-				
SR4A	Cloudy	Moderate	14:58	9.4	Surface	1.0	0.2	77	20.9	8.1	8.1	29.4	29.4	94.7	94.4	7.1	7.1	6.6	9	-	-	817198	807818	-	-	-	-				
						1.0	0.2	83	20.9	8.1	8.1	29.5	29.4	94.1	94.4	7.1	7.1	7.2	8	-	-	817198	807818	-	-	-	-				
					Middle	4.7	0.2	58	20.7	8.1	8.1	29.8	29.8	92.2	92.2	6.9	6.9	10.2	8	-	-	817198	807818	-	-	-	-				
						4.7	0.2	60	20.7	8.1	8.1	29.8	29.8	92.2	92.2	6.9	6.9	10.1	9	-	-	817198	807818	-	-	-	-				
					Bottom	8.4	0.2	100	20.7	8.1	8.1	29.8	29.8	91.0	91.1	6.9	6.9	10.6	7	-	-	817198	807818	-	-	-	-				
						8.4	0.2	106	20.7	8.1	8.1	29.8	29.8	91.1	91.1	6.9	6.9	10.9	6	-	-	817198	807818	-	-	-	-				
SR5A	Cloudy	Moderate	15:15	3.8	Surface	1.0	0.1	277	21.1	8.1	8.1	29.8	29.8	89.0	89.1	6.7	6.7	8.5	9	-	-	816604	810715	-	-	-	-				
						1.0	0.1	292	21.0	8.1	8.1	29.8	29.8	89.1	89.1	6.7	6.7	8.9	6	-	-	816604	810715	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816604	810715	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816604	810715	-	-	-	-		
					Bottom	2.8	0.1	270	20.9	8.1	8.1	29.9	29.9	91.4	91.7	6.9	6.9	11.0	7	-	-	816604	810715	-	-	-	-				
						2.8	0.1	286	20.9	8.1	8.1	29.9	29.9	91.9																	

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

Water Quality Monitoring Results on 02 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	09:49	8.4	Surface	1.0	0.8	93	20.5	20.5	8.2	8.2	29.6	29.6	92.1	92.1	7.0	7.0	19.5	19.5	12	12	86	86	89	815611	804251	<0.2	0.8	<0.2	0.7
						1.0	0.8	93	20.5	20.5	8.2	8.2	29.6	29.6	92.1	92.1	7.0	7.0	19.6	19.6	17	17	87	87				<0.2	0.8	<0.2	0.8
						4.2	0.3	34	20.5	20.5	8.1	8.1	29.9	29.9	92.3	92.3	7.0	7.0	20.1	20.1	16	16	88	88				<0.2	0.9	<0.2	1.0
					4.2	0.3	34	20.5	20.5	8.1	8.1	30.0	30.0	92.3	92.3	7.0	7.0	20.3	20.3	16	16	89	89	<0.2				1.0	<0.2	1.0	
					7.4	0.1	97	20.5	20.5	8.1	8.1	30.2	30.2	92.4	92.4	7.0	7.0	20.4	20.4	6	6	90	90	<0.2				1.0	<0.2	1.0	
					7.4	0.1	98	20.5	20.5	8.1	8.1	30.2	30.2	92.4	92.4	7.0	7.0	20.8	20.8	31	31	91	91	<0.2				1.0	<0.2	0.8	
					1.0	0.4	344	20.7	20.7	7.9	7.9	28.8	28.8	86.4	86.4	6.6	6.6	6.8	6.8	6	6	85	85	<0.2				1.2	<0.2	1.3	
					1.0	0.4	350	20.7	20.7	7.9	7.9	28.9	28.9	86.3	86.3	6.5	6.5	7.1	7.1	6	6	86	86	<0.2				1.3	<0.2	1.3	
					6.0	0.6	11	20.5	20.5	7.9	7.9	29.4	29.4	85.2	85.2	6.5	6.5	10.9	10.9	7	7	88	88	<0.2				1.4	<0.2	1.4	
6.0	0.6	11	20.5	20.5	7.9	7.9	29.4	29.4	85.1	85.1	6.5	6.5	10.6	10.6	7	7	89	89	<0.2	1.3	<0.2	1.3									
11.0	0.5	9	20.5	20.5	7.9	7.9	29.5	29.5	83.9	83.9	6.4	6.4	19.1	19.1	8	8	91	91	<0.2	1.4	<0.2	1.4									
11.0	0.5	9	20.5	20.5	7.9	7.9	29.5	29.5	83.9	83.9	6.4	6.4	21.3	21.3	9	9	91	91	<0.2	1.2	<0.2	1.2									
C3	Fine	Moderate	08:34	11.0	Surface	1.0	0.7	233	20.6	20.6	8.0	8.0	30.7	30.7	84.3	84.3	6.3	6.3	5.5	5.5	5	5	85	85	87	822118	817814	<0.2	1.2	<0.2	1.2
						1.0	0.7	237	20.6	20.6	8.0	8.0	30.7	30.7	84.1	84.1	6.3	6.3	6.0	6.0	6	6	87	87				<0.2	1.2	<0.2	1.2
						5.5	0.6	236	20.5	20.5	8.0	8.0	31.0	31.0	82.8	82.8	6.2	6.2	12.8	12.8	6	6	87	87				<0.2	1.3	<0.2	1.3
					5.5	0.7	242	20.5	20.5	8.0	8.0	31.0	31.0	82.8	82.8	6.2	6.2	12.5	12.5	6	6	87	87	<0.2				1.3	<0.2	1.3	
					10.0	0.5	244	20.5	20.5	8.0	8.0	31.0	31.0	81.5	81.5	6.1	6.1	13.7	13.7	5	5	89	89	<0.2				1.4	<0.2	1.4	
					10.0	0.5	256	20.5	20.5	8.0	8.0	31.0	31.0	81.4	81.4	6.1	6.1	13.7	13.7	6	6	89	89	<0.2				1.4	<0.2	1.4	
					1.0	0.0	22	20.6	20.6	8.1	8.1	30.0	30.0	92.1	92.2	7.0	7.0	17.8	17.8	7	7	86	86	<0.2				0.8	<0.2	0.7	
					1.0	0.0	23	20.6	20.6	8.1	8.1	30.0	30.0	92.2	92.2	7.0	7.0	18.1	18.1	7	7	88	88	<0.2				0.7	<0.2	0.7	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
4.0	0.1	0	20.5	20.5	8.1	8.1	30.2	30.2	92.6	92.7	7.0	7.0	19.0	19.0	8	8	89	89	<0.2	0.7	<0.2	0.9									
4.0	0.1	0	20.5	20.5	8.1	8.1	30.2	30.2	92.8	92.7	7.0	7.0	18.4	18.4	7	7	89	89	<0.2	0.9	<0.2	0.9									
IM2	Cloudy	Moderate	10:18	7.0	Surface	1.0	0.4	355	20.6	20.6	8.1	8.1	29.6	29.6	91.1	91.1	6.9	6.9	20.2	20.2	8	8	87	87	88	818154	806169	<0.2	0.8	<0.2	0.7
						1.0	0.4	327	20.6	20.6	8.1	8.1	29.6	29.6	91.1	91.1	6.9	6.9	20.5	20.5	7	7	86	86				<0.2	0.7	<0.2	0.7
						3.5	0.3	353	20.5	20.5	8.1	8.1	29.6	29.6	90.6	90.6	6.9	6.9	20.8	20.8	8	8	88	88				<0.2	0.9	<0.2	0.8
					3.5	0.4	325	20.5	20.5	8.1	8.1	29.6	29.6	90.6	90.6	6.9	6.9	20.9	20.9	8	8	88	88	<0.2				0.9	<0.2	0.8	
					6.0	0.3	346	20.5	20.5	8.1	8.1	29.6	29.6	90.7	90.7	6.9	6.9	20.9	20.9	9	9	90	90	<0.2				0.8	<0.2	0.8	
					6.0	0.3	318	20.5	20.5	8.1	8.1	29.6	29.6	90.8	90.8	6.9	6.9	20.4	20.4	9	9	91	91	<0.2				0.7	<0.2	0.7	
					1.0	0.3	341	20.6	20.6	8.1	8.1	29.4	29.4	90.6	90.6	6.9	6.9	18.0	18.0	12	12	86	86	<0.2				0.8	<0.2	0.8	
					1.0	0.4	314	20.6	20.6	8.1	8.1	29.4	29.4	90.6	90.6	6.9	6.9	19.0	19.0	11	11	87	87	<0.2				0.8	<0.2	0.8	
					3.6	0.5	342	20.5	20.5	8.1	8.1	29.4	29.4	90.3	90.3	6.8	6.8	19.2	19.2	14	14	88	88	<0.2				0.8	<0.2	0.8	
3.6	0.5	354	20.5	20.5	8.1	8.1	29.4	29.4	90.3	90.3	6.8	6.8	19.3	19.3	22	22	90	90	<0.2	0.9	<0.2	0.9									
6.2	0.3	340	20.5	20.5	8.1	8.1	29.5	29.5	91.0	91.2	6.9	6.9	19.7	19.7	25	25	91	91	<0.2	0.8	<0.2	0.8									
6.2	0.3	340	20.5	20.5	8.1	8.1	29.5	29.5	91.4	91.4	6.9	6.9	19.8	19.8	23	23	91	91	<0.2	0.7	<0.2	0.7									
IM4	Cloudy	Moderate	10:33	8.2	Surface	1.0	0.7	6	20.6	20.6	8.1	8.1	29.4	29.4	90.7	90.6	6.9	6.9	17.2	17.2	7	7	85	85	87	819741	804600	<0.2	0.8	<0.2	0.8
						1.0	0.8	6	20.6	20.6	8.1	8.1	29.4	29.4	90.5	90.6	6.9	6.9	17.1	17.1	8	8	85	85				<0.2	0.8	<0.2	0.8
						4.1	0.6	357	20.6	20.6	8.1	8.1	29.4	29.4	90.6	90.6	6.9	6.9	17.9	17.9	8	8	88	88				<0.2	0.9	<0.2	0.9
					4.1	0.7	328	20.6	20.6	8.1	8.1	29.4	29.4	90.6	90.6	6.9	6.9	17.9	17.9	7	7	87	87	<0.2				0.8	<0.2	0.8	
					7.2	0.6	9	20.5	20.5	8.1	8.1	29.4	29.4	91.6	91.8	6.9	6.9	18.5	18.5	24	24	90	90	<0.2				0.7	<0.2	0.7	
					7.2	0.6	9	20.5	20.5	8.1	8.1	29.4	29.4	91.9	91.9	7.0	7.0	18.5	18.5	8	8	89	89	<0.2				0.8	<0.2	0.8	
					1.0	1.1	37	20.7	20.7	8.1	8.1	28.4	28.5	89.2	89.3	6.8	6.8	6.8	6.8	8	8	86	86	<0.2				0.8	<0.2	0.8	
					1.0	1.1	39	20.7	20.7	8.1	8.1	28.5	28.5	89.3	89.3	6.8	6.8	7.1	7.1	8	8	85	85	<0.2				0.9	<0.2	0.9	
					4.0	1.2	22	20.6	20.6	8.1	8.1	29.6	29.6	90.0	90.0	6.8	6.8	7.0	7.0	8	8	87	87	<0.2				0.7	<0.2	0.7	
4.0	1.2	23	20.6	20.6	8.1	8.1	29.6	29.6	90.0	90.0	6.8	6.8	7.5	7.5	9	9	88	88	<0.2	0.8	<0.2	0.8									
7.0	1.3	34	20.6	20.6	8.1	8.1	29.7	29.7	90.5	90.6	6.8	6.8	7.5	7.5	9	9	90	90	<0.2	0.8	<0.2	0.8									
7.0	1.3	37	20.6	20.6	8.1	8.1	29.7	29.7	90.7	90.7	6.9	6.9	7.6	7.6	8	8	90	90	<0.2	0.7	<0.2	0.7									
IM6	Cloudy	Moderate	10:52	7.6	Surface	1.0	0.2	99	20.8	20.8	8.1	8.1	28.1	28.2	88.5	88.8	6.7	6.7	5.2	5.2	8	8	86	86	89	821059	805810	<0.2	0.8	<0.2	0.9
						1.0	0.2	103	20.7	20.7	8.1	8.1	28.3	28.3	89.0	89.0	6.8	6.8	5.3	5.3	9	9	87	87				<0.2	0.8	<0.2	0.8
						3.8	0.3	52	20.7	20.7	8.2	8.2	29.0	29.0	89.4	89.4	6.8	6.8	7.1	7.1	9	9	89	89				<0.2	0.8	<0.2	0.8
					3.8	0.3	56	20.7	20.7	8.2	8.2	29.0	29.0	89.4	89.4	6.8	6.8	7.1	7.1	8	8	89									

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Rough	10:09	7.1	Surface	1.0	0.3	31	20.6	20.6	7.9	7.9	29.3	29.4	84.3	84.3	6.4	6.4	8.0	7.6	8	8	85	88	822086	808834	<0.2	1.2	<0.2	1.3							
						1.0	0.3	32	20.6	7.9	7.9	29.4	29.4	84.3	84.3	6.4	6.4	7.9	7.6	7	8	86	88	<0.2			1.1	<0.2	1.2								
						3.6	0.3	28	20.6	7.9	7.9	29.6	29.7	84.2	84.2	6.4	6.4	7.2	7.6	7	8	89	88	<0.2			1.4	<0.2	1.3								
					Middle	3.6	0.3	29	20.6	7.9	7.9	29.7	29.7	84.2	84.2	6.4	6.4	7.0	7.6	8	8	89	88	<0.2			1.4	<0.2	1.3								
						6.1	0.2	39	20.6	7.9	7.9	29.8	29.8	83.3	83.3	6.3	6.3	7.8	7.6	7	8	90	88	<0.2			1.3	<0.2	1.3								
						6.1	0.2	42	20.6	7.9	7.9	29.8	29.8	83.2	83.2	6.3	6.3	7.9	7.6	8	8	91	88	<0.2			1.3	<0.2	1.3								
					IM10	Fine	Moderate	10:01	7.4	Surface	1.0	0.6	327	20.6	20.6	8.0	8.0	30.4	30.5	84.6	84.6	6.4	6.4	10.4			12.4	7	8	85	89	822384	809805	<0.2	1.2	<0.2	1.3
											1.0	0.7	354	20.6	8.0	8.0	30.5	30.5	84.5	84.5	6.4	6.4	10.8	12.4			8	8	86	89	<0.2			1.3	<0.2	1.4	
											3.7	0.6	330	20.5	20.5	8.0	8.0	30.6	30.6	83.6	83.6	6.3	6.3	13.1			12.4	8	8	89	89			<0.2	1.4	<0.2	1.3
Middle	3.7	0.6	304	20.5						20.5	8.0	8.0	30.6	30.6	83.5	83.5	6.3	6.3	13.0	12.4	9	8	89	89	<0.2	1.3	<0.2	1.4									
	6.4	0.5	327	20.5						20.5	7.9	7.9	30.7	30.7	82.9	82.9	6.2	6.2	13.9	12.4	8	8	91	89	<0.2	1.4	<0.2	1.2									
	6.4	0.5	352	20.5						20.5	7.9	7.9	30.7	30.7	82.9	82.9	6.2	6.2	13.4	12.4	9	8	92	89	<0.2	1.2	<0.2	1.2									
IM11	Fine	Moderate	09:51	7.8						Surface	1.0	0.7	258	20.6	20.6	8.0	8.0	30.6	30.6	85.8	85.8	6.5	6.5	11.9	14.1	7	6	85	87	822064	811477			<0.2	1.4	<0.2	1.3
											1.0	0.7	276	20.6	20.6	8.0	8.0	30.6	30.6	85.8	85.8	6.4	6.4	12.3	14.1	6	6	86	87					<0.2	1.3	<0.2	1.4
											3.9	0.6	267	20.5	20.5	8.0	8.0	30.8	30.8	84.9	84.9	6.4	6.4	16.6	14.1	5	6	87	88					<0.2	1.4	<0.2	1.4
					Middle	3.9	0.6	288	20.5	20.5	8.0	8.0	30.8	30.8	84.8	84.8	6.4	6.4	16.9	14.1	6	6	87	88	<0.2	1.4	<0.2	1.3									
						6.8	0.5	269	20.5	20.5	8.0	8.0	30.8	30.8	84.1	84.0	6.3	6.3	13.7	14.1	5	6	88	89	<0.2	1.6	<0.2	1.6									
						6.8	0.5	283	20.5	20.5	8.0	8.0	30.8	30.8	83.9	83.9	6.3	6.3	13.0	14.1	5	6	87	89	<0.2	1.6	<0.2	1.6									
					IM12	Fine	Moderate	09:44	8.1	Surface	1.0	0.7	319	20.5	20.5	8.0	8.0	30.9	30.9	86.4	86.4	6.5	6.5	15.4	16.0	5	6	86	88			821455	812048	<0.2	1.3	<0.2	1.1
											1.0	0.7	347	20.5	20.5	8.0	8.0	30.9	30.9	86.4	86.4	6.5	6.5	15.3	16.0	4	6	86	88					<0.2	1.2	<0.2	1.1
											4.1	0.6	315	20.5	20.5	8.0	8.0	30.9	30.9	85.7	85.7	6.4	6.4	16.1	16.0	5	6	86	88					<0.2	1.1	<0.2	1.1
Middle	4.1	0.7	335	20.5						20.5	8.0	8.0	30.9	30.9	85.6	85.6	6.4	6.4	16.1	16.0	6	6	88	90	<0.2	1.3	<0.2	1.4									
	7.1	0.6	313	20.5						20.5	8.0	8.0	30.9	30.9	84.6	84.6	6.4	6.4	16.5	16.0	6	6	90	90	<0.2	1.4	<0.2	1.4									
	7.1	0.6	330	20.5						20.5	8.0	8.0	30.9	30.9	84.5	84.5	6.3	6.3	16.5	16.0	7	6	90	90	<0.2	1.4	<0.2	1.4									
SR1A	Fine	Moderate	09:10	5.1						Surface	1.0	-	-	20.5	20.5	8.0	8.0	30.7	30.7	79.6	79.5	6.0	6.0	4.9	4.9	6	6	-	-	819982	812654			-	-	-	-
											1.0	-	-	20.5	20.5	8.0	8.0	30.7	30.7	79.4	79.4	6.0	6.0	5.0	4.9	5	6	-	-					-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-			
						4.1	-	-	20.1	20.1	8.0	8.0	31.0	31.0	78.7	78.6	6.0	6.0	4.8	4.8	7	6	-	-	-	-	-	-	-			-	-				
						4.1	-	-	20.0	20.0	8.0	8.0	31.0	31.0	78.4	78.4	5.9	6.0	4.8	4.8	6	6	-	-	-	-	-	-	-			-	-				
					SR2	Fine	Moderate	08:54	3.6	Surface	1.0	0.2	122	20.5	20.5	7.9	7.9	30.8	30.8	83.2	83.1	6.3	6.3	13.4	15.9	7	7	86	87			821459	814174	<0.2	1.5	<0.2	1.4
											1.0	0.2	132	20.5	20.5	7.9	7.9	30.8	30.8	83.0	83.0	6.2	6.3	13.5	15.9	6	7	87	88					<0.2	1.4	<0.2	1.5
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
	2.6	0.2	124	20.5						20.5	7.9	7.9	30.8	30.8	81.3	81.2	6.1	6.1	18.6	18.1	8	7	88	88	<0.2	1.5	<0.2	1.5									
	2.6	0.2	127	20.5						20.5	7.9	7.9	30.8	30.8	81.0	81.0	6.1	6.1	18.1	18.1	7	7	88	88	<0.2	1.5	<0.2	1.5									
SR3	Cloudy	Rough	10:22	8.6						Surface	1.0	0.5	69	20.6	20.6	7.9	7.9	28.9	28.9	84.7	84.7	6.4	6.4	7.5	11.3	6	7	-	-	822130	807590			-	-	-	-
											1.0	0.5	69	20.6	20.6	7.9	7.9	28.9	28.9	84.6	84.6	6.4	6.4	7.6	11.3	5	7	-	-					-	-		
											4.3	0.3	78	20.6	20.6	7.9	7.9	28.9	28.9	83.0	83.0	6.3	6.3	13.7	11.3	7	7	-	-					-	-		
					Middle	4.3	0.3	79	20.6	20.6	7.9	7.9	28.9	28.9	82.9	82.9	6.3	6.3	12.9	11.3	8	7	-	-	-	-	-	-	-			-					
						7.6	0.3	74	20.6	20.6	7.9	7.9	28.9	28.9	82.5	82.5	6.3	6.3	13.0	11.3	7	7	-	-	-	-	-	-	-								
						7.6	0.3	79	20.6	20.6	7.9	7.9	28.9	28.9	82.5	82.5	6.3	6.3	13.1	11.3	8	7	-	-	-	-	-	-	-								
					SR4A	Cloudy	Calm	09:24	8.6	Surface	1.0	0.2	68	20.7	20.7	8.1	8.1	29.9	29.9	84.2	84.2	6.3	6.4	7.4	8.6	9	7	-	-			817185	807808	-	-	-	-
											1.0	0.2	71	20.7	20.7	8.1	8.1	29.9	29.9	84.2	84.2	6.3	6.4	7.4	8.6	9	7	-	-					-	-		
											4.3	0.2	50	20.6	20.6	8.1	8.1	29.9	29.9	84.3	84.3	6.4	6.4	8.8	8.6	7	7	-	-					-	-		
Middle	4.3	0.2	53	20.6						20.6	8.1	8.1	29.9	29.9	84.3	84.3	6.4	6.4	8.8	8.6	3	7	-	-	-	-	-	-									
	7.6	0.2	64	20.6						20.6	8.1	8.1	29.9	29.9	84.6	84.7	6.4	6.4	9.6	8.6	4	7	-	-	-	-	-	-									
	7.6	0.2	66	20.6						20.6	8.1	8.1	29.9	29.9	84.8	84.8	6.4	6.4	9.8	8.6	9	7	-	-	-	-	-	-									
SR5A	Cloudy	Calm	09:05	3.6						Surface	1.0	0.2	285	20.6	20.6	8.1	8.1	29.5	29.5	84.2	84.5	6.4	6.4	9.0	8.9	12	12	-	-	816609	810676			-	-	-	-
											1.0	0.2	300	20.6	20.6	8.1	8.1	29.5	29.5	84.7	84.7	6.4	6.4	8.7	8.9	11	12	-	-					-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-					
						2.6	0.1	285	20.																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA				
C1	Rainy	Rough	16:06	8.1	Surface	1.0	0.3	207	20.4	20.4	8.1	8.1	33.6	33.6	95.4	95.4	7.1	7.1	6.1	7.0	7	8	84	88	88	88	815628	804262	<0.2	0.5	<0.2	0.4							
						1.0	0.3	217	20.4	20.4	8.1	8.1	33.6	33.6	95.3	95.0	7.1	7.1	6.1	7.0	8	8	84	88	88	88			<0.2	0.4	<0.2	0.5							
						4.1	0.3	213	20.4	20.4	8.1	8.1	33.6	33.6	95.0	95.0	7.0	7.0	6.7	7.0	8	8	88	88	88	88			<0.2	0.4	<0.2	0.5							
					Middle	4.1	0.3	222	20.4	20.4	8.1	8.1	33.6	33.6	94.9	94.9	7.0	7.0	6.7	7.0	7	8	8	8	89	91			91	91	<0.2	0.5	<0.2	0.4					
						7.1	0.2	216	20.4	20.4	8.1	8.1	33.6	33.6	95.0	95.0	7.0	7.0	8.2	7.0	8	8	8	8	91	91			91	91	<0.2	0.5	<0.2	0.4					
						7.1	0.3	235	20.4	20.4	8.1	8.1	33.6	33.6	95.0	95.0	7.0	7.0	8.2	7.0	7	8	8	8	91	91			91	91	<0.2	0.5	<0.2	0.4					
					C2	Rainy	Moderate	15:00	11.9	Surface	1.0	0.3	126	20.6	20.6	8.1	8.1	28.7	28.7	85.5	85.6	6.5	6.5	5.8	6.5	7			8	88	91	91	91	825663	806936	<0.2	1.0	<0.2	1.0
											1.0	0.3	135	20.6	20.6	8.1	8.1	28.8	28.8	85.6	85.0	6.5	6.5	6.1	6.5	8			8	88	91	91	91			<0.2	1.0	<0.2	0.9
											6.0	0.2	124	20.6	20.6	8.1	8.1	29.2	29.2	85.0	85.0	6.4	6.4	6.8	6.4	7			8	91	91	91	91			<0.2	1.0	<0.2	0.9
Middle	6.0	0.3	124	20.6						20.6	8.1	8.1	29.2	29.2	84.9	84.9	6.4	6.4	6.8	6.4	8	8	91	91	91	91	<0.2	1.0	<0.2	1.0									
	10.9	0.3	116	20.6						20.6	8.1	8.1	29.4	29.4	84.3	84.3	6.4	6.4	11.8	6.4	7	8	93	93	93	93	<0.2	1.2	<0.2	1.1									
	10.9	0.3	116	20.6						20.6	8.1	8.1	29.4	29.4	84.3	84.3	6.4	6.4	11.9	6.4	8	8	94	94	94	94	<0.2	1.1	<0.2	1.1									
C3	Rainy	Moderate	17:10	12.1						Surface	1.0	0.3	100	20.5	20.5	8.1	8.1	29.8	29.8	84.7	84.7	6.4	6.4	8.3	6.4	6	6	86	87	87	87	822093	817793			<0.2	0.8	<0.2	0.8
											1.0	0.3	102	20.5	20.5	8.1	8.1	29.8	29.8	84.7	84.7	6.4	6.4	8.7	6.4	7	6	87	88	88	88					<0.2	0.8	<0.2	0.8
											6.1	0.3	112	20.5	20.5	8.2	8.2	30.1	30.1	82.3	82.3	6.2	6.2	5.5	6.2	7	6	88	89	89	89					<0.2	0.8	<0.2	0.7
					Middle	6.1	0.3	121	20.5	20.5	8.2	8.2	30.2	30.1	82.2	82.2	6.2	6.2	5.8	6.2	6	6	89	90	90	90	<0.2	0.8	<0.2	0.8									
						11.1	0.2	124	20.5	20.5	8.2	8.2	30.5	30.4	82.6	82.7	6.2	6.2	8.1	6.2	5	6	93	93	93	93	<0.2	0.8	<0.2	0.8									
						11.1	0.3	129	20.5	20.5	8.2	8.2	30.4	30.4	82.8	82.8	6.2	6.2	8.0	6.2	6	6	93	93	93	93	<0.2	0.8	<0.2	0.8									
					IM1	Rainy	Moderate	15:44	5.3	Surface	1.0	0.1	197	20.3	20.3	8.1	8.1	32.6	32.6	93.9	94.0	7.0	7.0	5.4	7.0	6	6	86	86	86	86			817934	807113	<0.2	0.6	<0.2	0.6
											1.0	0.1	207	20.3	20.3	8.1	8.1	32.6	32.6	94.0	94.0	7.0	7.0	5.4	7.0	5	6	86	86	86	86					<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	4.3	0.1	194	20.3						20.3	8.1	8.1	32.8	32.8	93.1	93.2	6.9	7.0	8.2	7.0	6	6	89	89	89	89	<0.2	0.6	<0.2	0.6									
	4.3	0.1	203	20.3						20.3	8.1	8.1	32.8	32.8	93.3	93.3	6.9	7.0	8.3	7.0	6	6	89	89	89	89	<0.2	0.6	<0.2	0.6									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
IM2	Rainy	Moderate	15:37	7.1						Surface	1.0	0.1	189	20.3	20.3	8.1	8.1	32.6	32.6	94.1	94.1	7.0	7.0	5.2	7.0	6	6	86	85	85	85	818183	806147			<0.2	0.6	<0.2	0.6
											1.0	0.2	203	20.3	20.3	8.1	8.1	32.6	32.6	94.1	94.1	7.0	7.0	5.3	7.0	5	6	85	88	88	88					<0.2	0.6	<0.2	0.5
											3.6	0.1	128	20.4	20.4	8.1	8.1	33.4	33.4	95.0	95.0	7.1	7.1	7.0	7.0	5	6	88	88	88	88					<0.2	0.6	<0.2	0.5
					Middle	3.6	0.1	135	20.4	20.4	8.1	8.1	33.4	33.4	95.0	95.0	7.1	7.1	7.0	7.0	6	6	88	88	88	88	<0.2	0.6	<0.2	0.5									
						6.1	0.1	115	20.4	20.4	8.1	8.1	33.6	33.6	95.5	95.6	7.1	7.1	9.5	7.1	6	6	90	90	90	90	<0.2	0.5	<0.2	0.5									
						6.1	0.1	125	20.4	20.4	8.1	8.1	33.6	33.6	95.6	95.6	7.1	7.1	9.5	7.1	6	6	90	90	90	90	<0.2	0.5	<0.2	0.5									
					IM3	Rainy	Moderate	15:30	7.3	Surface	1.0	0.2	189	20.2	20.2	8.1	8.1	32.5	32.5	95.2	95.2	7.1	7.1	5.0	7.1	5	5	85	85	85	85			818779	805599	<0.2	0.7	<0.2	0.9
											1.0	0.2	204	20.2	20.2	8.1	8.1	32.5	32.5	95.2	95.2	7.1	7.1	5.0	7.1	5	5	85	85	85	85					<0.2	0.9	<0.2	0.9
											3.7	0.0	312	20.3	20.3	8.1	8.1	32.9	32.9	94.8	94.8	7.1	7.1	6.7	7.1	6	6	87	88	88	88					<0.2	0.9	<0.2	0.9
Middle	3.7	0.0	341	20.3						20.3	8.1	8.1	32.9	32.9	94.8	94.8	7.1	7.1	6.7	7.1	7	6	88	88	88	88	<0.2	0.9	<0.2	0.9									
	6.3	0.1	207	20.4						20.4	8.0	8.0	33.4	33.4	96.7	96.8	7.2	7.2	7.6	7.2	7	6	89	89	89	89	<0.2	0.7	<0.2	0.7									
	6.3	0.1	209	20.4						20.4	8.0	8.0	33.4	33.4	96.8	96.8	7.2	7.2	7.4	7.2	7	6	90	90	90	90	<0.2	0.7	<0.2	0.7									
IM4	Rainy	Rough	15:19	8.7						Surface	1.0	0.3	204	20.4	20.4	8.0	8.0	31.5	31.5	92.3	92.3	6.9	6.9	5.2	7.0	6	6	85	85	85	85	819708	804618			<0.2	1.0	<0.2	1.0
											1.0	0.4	209	20.4	20.4	8.0	8.0	31.5	31.5	92.3	92.3	6.9	6.9	5.2	7.0	7	6	85	87	87	87					<0.2	1.0	<0.2	0.9
											4.4	0.1	160	20.3	20.3	8.1	8.1	32.8	32.8	93.9	93.9	7.0	7.0	7.2	7.0	6	6	87	88	88	88					<0.2	1.0	<0.2	0.9
					Middle	4.4	0.1	161	20.3	20.3	8.1	8.1	32.8	32.8	93.9	93.9	7.0	7.0	7.3	7.0	6	6	88	89	89	89	<0.2	1.0	<0.2	0.9									
						7.7	0.1	150	20.4	20.4	8.1	8.1	33.2	33.2	94.0	94.1	7.0	7.0	8.1	7.0	5	6	89	89	89	89	<0.2	0.9	<0.2	0.9									
						7.7	0.1	150	20.4	20.4	8.1	8.1	33.2	33.2	94.2	94.2	7.0	7.0	8.1	7.0	4	6	90	90	90	90	<0.2	0.8	<0.2	0.8									
					IM5	Rainy	Moderate	15:11	8.1	Surface	1.0	0.2	224	20.4	20.4	8.0	8.0	31.0	31.0	92.9	92.9	7.0	7.0	5.7	7.0	8	7	84	85	85	85			820719	804885	<0.2	0.7	<0.2	0.8
											1.0	0.2	226	20.4	20.4	8.0	8.0	31.0	31.0	92.9	92.9	7.0	7.0	5.8	7.0	7	6	85	87	87	87					<0.2	0.8	<0.2	0.9
											4.1	0.2	179	20.3	20.3	8.1	8.1	32.6	32.6	93.4	93.4	7.0	7.0	8.6	7.0	6	6	87	87	87	87					<0.2	0.9	<0.2	0.9
Middle	4.1	0.2	179	20.3						20.3	8.1	8.1	32.6	32.6	93.4	93.4	7.0	7.0	8.5	7.0	7	7	87																

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

Water Quality Monitoring Results on 04 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
						Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
IM9	Rainy	Moderate	15:32	7.3	Surface	1.0	0.3	145	20.6	20.6	8.1	8.1	29.1	29.1	87.8	87.9	6.7	6.8	3.7	6.8	5	6.8	87	90	822075	808789	<0.2	1.2	<0.2	1.2							
						1.0	0.3	147	20.5	20.4	8.1	8.1	29.2	29.2	88.0	88.0	6.7	6.8	4.0	6.8	4	6.8	87	89			<0.2	1.2	<0.2	1.2							
						3.7	0.4	106	20.4	20.4	8.2	8.2	29.9	29.9	89.4	89.5	6.8	6.8	7.2	6.8	4	6.8	89	91			<0.2	1.2	<0.2	1.2							
					Middle	3.7	0.4	108	20.4	20.4	8.2	8.2	30.0	30.0	89.5	89.5	6.8	6.8	7.6	6.8	5	6.8	91	92			<0.2	1.2	<0.2	1.2							
						6.3	0.3	91	20.3	20.3	8.2	8.2	30.4	30.4	89.7	89.7	6.8	6.8	9.4	6.8	5	6.8	92	92			<0.2	1.2	<0.2	1.1							
						6.3	0.3	94	20.3	20.3	8.2	8.2	30.4	30.4	89.7	89.7	6.8	6.8	9.3	6.8	4	6.8	92	92			<0.2	1.1	<0.2	1.1							
					IM10	Rainy	Moderate	15:40	7.5	Surface	1.0	0.6	103	20.6	20.6	8.1	8.1	28.9	28.9	87.0	87.0	6.6	6.6	2.5	6.6	9	6.6	86	90	822377	809802	<0.2	1.2	<0.2	1.1		
											1.0	0.6	110	20.6	20.5	8.1	8.1	28.9	28.9	87.0	87.0	6.6	6.6	2.6	6.6	10	6.6	87	91			<0.2	1.1	<0.2	0.9		
											3.8	0.5	94	20.5	20.5	8.1	8.1	29.4	29.4	87.6	87.7	6.6	6.6	6.1	6.6	8	6.6	91	92			<0.2	0.9	<0.2	0.9		
Middle	3.8	0.5	98	20.5						20.5	8.1	8.1	29.4	29.4	87.7	87.7	6.6	6.6	6.0	6.6	7	6.6	91	92			<0.2	0.9	<0.2	0.9							
	6.5	0.4	86	20.4						20.4	8.1	8.1	29.9	29.9	88.2	88.3	6.7	6.7	9.9	6.7	7	6.7	92	92			<0.2	0.9	<0.2	0.9							
	6.5	0.4	92	20.4						20.4	8.1	8.1	30.0	29.9	88.3	88.3	6.7	6.7	10.1	6.7	7	6.7	92	92			<0.2	0.9	<0.2	0.9							
IM11	Rainy	Moderate	15:50	7.3						Surface	1.0	0.6	155	20.5	20.5	8.1	8.1	29.2	29.2	85.7	85.7	6.5	6.5	4.9	6.5	7	6.5	86	90	822056	811446	<0.2	0.9	<0.2	0.9		
											1.0	0.6	155	20.5	20.5	8.1	8.1	29.2	29.2	85.7	85.7	6.5	6.5	4.8	6.5	8	6.5	87	90			<0.2	0.9	<0.2	0.9		
											3.7	0.5	154	20.5	20.5	8.1	8.1	29.3	29.3	85.6	85.7	6.5	6.5	7.8	6.5	8	6.5	90	91			<0.2	0.9	<0.2	0.9		
					Middle	3.7	0.5	160	20.5	20.5	8.1	8.1	29.3	29.3	85.7	85.7	6.5	6.5	7.7	6.5	9	6.5	91	92			<0.2	0.9	<0.2	0.9							
						6.3	0.4	159	20.4	20.4	8.1	8.1	29.4	29.4	86.5	86.6	6.6	6.6	10.9	6.6	8	6.6	93	91			<0.2	0.9	<0.2	0.8							
						6.3	0.4	161	20.4	20.4	8.1	8.1	29.4	29.4	86.7	86.7	6.6	6.6	11.1	6.6	8	6.6	91	91			<0.2	0.9	<0.2	0.8							
					IM12	Rainy	Moderate	15:57	9.6	Surface	1.0	0.5	92	20.5	20.5	8.1	8.1	29.1	29.1	86.8	86.8	6.6	6.6	6.4	6.6	7	6.6	86	89	821469	812062	<0.2	1.1	<0.2	1.0		
											1.0	0.6	92	20.5	20.5	8.1	8.1	29.1	29.1	86.8	86.8	6.6	6.6	6.7	6.6	7	6.6	86	87			<0.2	1.0	<0.2	0.9		
											4.8	0.5	88	20.5	20.5	8.1	8.1	29.3	29.3	87.0	87.0	6.6	6.6	11.2	6.6	8	6.6	87	90			<0.2	0.9	<0.2	0.9		
Middle	4.8	0.5	89	20.5						20.5	8.1	8.1	29.3	29.3	87.0	87.0	6.6	6.6	11.4	6.6	8	6.6	88	90			<0.2	0.9	<0.2	0.9							
	8.6	0.4	81	20.5						20.5	8.1	8.1	29.4	29.4	87.5	87.6	6.6	6.6	13.0	6.6	8	6.6	92	92			<0.2	0.9	<0.2	0.9							
	8.6	0.4	84	20.5						20.5	8.1	8.1	29.4	29.4	87.7	87.7	6.6	6.6	12.7	6.6	9	6.6	92	92			<0.2	0.9	<0.2	0.9							
SR1A	Rainy	Moderate	16:31	5.6						Surface	1.0	-	-	20.5	20.5	8.2	8.2	29.4	29.4	84.1	84.1	6.4	6.4	3.6	6.4	6	6.4	-	-	819982	812655	-	-	-	-		
											1.0	-	-	20.5	20.5	8.2	8.2	29.4	29.4	84.1	84.1	6.4	6.4	3.6	6.4	7	6.4	7	6.4	-	-			-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
						4.6	-	-	20.5	20.5	8.2	8.2	29.5	29.5	86.4	86.5	6.5	6.5	6.0	6.5	5	6.5	5	6.5	-	-			-	-	-	-					
						4.6	-	-	20.5	20.5	8.2	8.2	29.5	29.5	86.6	86.6	6.5	6.5	5.9	6.5	6	6.5	6	6.5	-	-			-	-	-	-					
					SR2	Rainy	Moderate	16:47	3.3	Surface	1.0	0.4	96	20.5	20.5	8.1	8.1	29.4	29.4	84.7	84.7	6.4	6.4	5.1	6.4	6	6.4	90	92	821465	814183	<0.2	0.9	<0.2	1.0		
											1.0	0.4	99	20.5	20.5	8.1	8.1	29.4	29.4	84.7	84.7	6.4	6.4	5.2	6.4	7	6.4	91	92			<0.2	1.0	<0.2	0.9		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	0.9	<0.2	0.9
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	0.9	<0.2	0.9					
	2.3	0.3	91	20.5						20.5	8.1	8.1	29.4	29.4	85.0	85.1	6.4	6.4	5.4	6.4	7	6.4	92	93			<0.2	0.9	<0.2	0.9							
	2.3	0.3	93	20.5						20.5	8.1	8.1	29.4	29.4	85.1	85.1	6.5	6.5	5.4	6.5	7	6.5	93	93			<0.2	0.9	<0.2	0.9							
SR3	Rainy	Moderate	15:19	9.6						Surface	1.0	0.1	174	20.6	20.6	8.1	8.1	29.0	29.0	86.5	86.5	6.6	6.6	4.7	6.6	5	6.6	-	-	822153	807585	-	-	-	-		
											1.0	0.2	179	20.6	20.6	8.1	8.1	29.0	29.0	86.5	86.5	6.6	6.6	4.8	6.6	5	6.6	5	6.6	-	-			-	-	-	-
											4.8	0.1	158	20.4	20.4	8.2	8.2	29.6	29.7	89.2	89.4	6.8	6.8	7.6	6.8	6	6.8	6	6.8	-	-			-	-	-	-
					Middle	4.8	0.1	159	20.4	20.4	8.2	8.2	29.8	29.7	89.5	89.5	6.8	6.8	8.3	6.8	6	6.8	6	6.8	-	-			-	-	-	-					
						8.6	0.2	83	20.3	20.3	8.2	8.2	30.7	30.6	90.2	90.2	6.8	6.8	13.7	6.8	7	6.8	7	6.8	-	-			-	-	-	-					
						8.6	0.2	89	20.3	20.3	8.2	8.2	30.6	30.6	90.1	90.1	6.8	6.8	14.0	6.8	6	6.8	6	6.8	-	-			-	-	-	-					
					SR4A	Rainy	Calm	16:30	9.4	Surface	1.0	0.2	79	20.3	20.3	8.1	8.1	32.7	32.7	91.9	92.0	6.9	6.9	6.0	6.9	10	6.9	-	-	817165	807811	-	-	-	-		
											1.0	0.2	82	20.3	20.3	8.1	8.1	32.7	32.7	92.1	92.1	6.9	6.9	6.1	6.9	9	6.9	9	6.9	-	-			-	-	-	-
											4.7	0.1	54	20.3	20.3	8.1	8.1	32.9	32.9	91.2	91.2	6.8	6.8	7.2	6.8	9	6.8	9	6.8	-	-			-	-	-	-
Middle	4.7	0.1	54	20.3						20.3	8.1	8.1	32.9	32.9	91.2	91.2	6.8	6.8	7.2	6.8	8	6.8	8	6.8	-	-			-	-	-	-					
	8.4	0.1	73	20.3						20.3	8.1	8.1	33.0	33.0	91.6	91.6	6.8	6.8	9.8	6.8	9	6.8	9	6.8	-	-			-	-	-	-					
	8.4	0.2	77	20.3						20.3	8.1	8.1	33.0	33.0	91.6	91.6	6.8	6.8	9.9	6.8	8	6.8	8	6.8	-	-			-	-	-	-					
SR5A	Rainy	Calm	16:47	3.2						Surface	1.0	0.1	333	20.3	20.3	8.0	8.0	32.1	32.1	87.7	87.8	6.6	6.6	6.5	6.6	12	6.6	-	-	816587	810677	-	-	-	-		
											1.0	0.1	355	20.3	20.3	8.0	8.0	32.1	32.1	87.8	87.8	6.6	6.6	6.6	6.6	13	6.6	13	6.6	-	-			-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-					
						2.2	0.1	265	20.3	20.3	8.0	8.0	32.4	32.4	89.9	89.9	6.7	6.7	7.9	6.7	12	6.7	12	6.7	-	-			-	-	-	-					
						2.2	0.1	285	20.3	20.3	8.0	8.0	32.4	32.4	89.9	89.9	6.7	6.7	8.1	6.7	9	6.7	9	6.7	-	-			-	-	-	-					
					SR6A	Rainy	Calm	17:16	4.1	Surface	1.0	0.2	46	20.3	20.3	8.1	8.1	31.0	31.0	84.8	84.8	6.4	6.4	8.9													

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Rainy	Rough	10:53	8.6	Surface	1.0	0.6	34	20.4	20.4	8.1	8.1	33.2	33.2	95.3	95.4	7.1	7.1	7.2	5	85	88	88	88	815599	804259	<0.2	1.1	<0.2	0.9				
						1.0	0.6	36	20.4	8.1	8.1	33.2	33.2	95.4	95.4	7.1	7.1	7.3	5	84	88	88	88	<0.2			1.1	<0.2	0.9					
						4.3	0.6	37	20.4	8.1	8.1	33.2	33.2	95.0	95.1	7.1	7.1	8.6	5	88	88	88	88	<0.2			0.6	<0.2	0.7					
					4.3	0.6	38	20.4	8.1	8.1	33.2	33.2	95.1	95.1	7.1	7.1	8.8	6	88	88	88	88	<0.2	0.7			<0.2	0.9						
					7.6	0.5	41	20.4	8.1	8.1	33.3	33.3	94.5	94.6	7.0	7.0	9.3	6	90	88	88	88	<0.2	0.9			<0.2	0.9						
					7.6	0.5	42	20.4	8.1	8.1	33.3	33.3	94.6	94.6	7.0	7.0	9.4	5	91	88	88	88	<0.2	1.0			<0.2	1.0						
C2	Rainy	Moderate	11:49	12.4	Surface	1.0	0.3	18	20.7	20.7	8.1	8.1	27.9	28.0	84.6	84.7	6.4	6.4	5.7	11	85	86	86	86	825673	806930	<0.2	1.2	<0.2	1.0				
						1.0	0.4	18	20.7	8.1	8.1	28.0	28.0	84.7	84.7	6.5	6.5	5.9	11	86	86	86	86	<0.2			1.0	<0.2	1.0					
						6.2	0.4	44	20.6	8.1	8.1	28.1	28.1	84.8	84.8	6.5	6.5	6.9	10	89	89	89	89	<0.2			1.3	<0.2	1.3					
					6.2	0.4	45	20.6	8.1	8.1	28.2	28.2	84.8	84.8	6.5	6.5	7.0	9	89	89	89	89	<0.2	1.3			<0.2	1.2						
					11.4	0.3	62	20.6	8.1	8.1	28.5	28.5	84.8	84.9	6.5	6.5	9.5	7	91	89	89	89	<0.2	1.2			<0.2	1.2						
					11.4	0.4	64	20.6	8.1	8.1	28.5	28.5	84.9	84.9	6.5	6.5	9.5	8	92	89	89	89	<0.2	1.1			<0.2	1.1						
C3	Rainy	Moderate	09:38	12.9	Surface	1.0	0.6	236	20.5	20.5	8.1	8.1	29.6	29.6	84.6	84.6	6.4	6.4	2.7	15	83	83	83	83	822090	817826	<0.2	0.6	<0.2	0.5				
						6.5	0.6	238	20.5	8.1	8.1	30.1	30.1	82.0	82.0	6.2	6.2	8.4	13	86	86	86	86	<0.2			0.6	<0.2	0.5					
						6.5	0.7	256	20.5	8.1	8.1	30.1	30.1	82.0	82.0	6.2	6.2	8.4	13	86	86	86	86	<0.2			0.5	<0.2	0.5					
					11.9	0.5	238	20.5	8.2	8.2	30.3	30.3	82.0	82.1	6.2	6.2	11.7	11	88	88	88	88	<0.2	0.5			<0.2	0.5						
					11.9	0.5	239	20.5	8.2	8.2	30.3	30.3	82.0	82.1	6.2	6.2	11.8	10	88	88	88	88	<0.2	0.5			<0.2	0.5						
					1.0	0.2	17	20.3	20.3	8.1	8.1	32.8	32.8	93.0	93.0	6.9	6.9	6.7	7	85	85	85	85	<0.2			0.9	<0.2	0.9					
IM1	Rainy	Moderate	11:13	5.5	Surface	1.0	0.3	17	20.3	20.3	8.1	8.1	32.8	32.8	92.9	92.9	6.9	6.9	6.7	7	85	85	85	85	817939	807143	<0.2	0.9	<0.2	0.9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						4.5	0.2	17	20.3	20.3	8.0	8.0	32.9	32.9	94.4	94.5	7.0	7.0	8.8	6	89	88	88	88			<0.2	0.9	<0.2	1.0				
					4.5	0.3	17	20.3	20.3	8.0	8.0	32.9	32.9	94.5	94.5	7.0	7.0	8.8	6	89	88	88	88	<0.2			0.9	<0.2	1.0					
					1.0	0.3	358	20.3	20.3	8.1	8.1	32.2	32.2	94.5	94.5	7.1	7.1	7.5	15	83	83	83	83	<0.2			0.8	<0.2	0.9					
					IM2	Rainy	Moderate	11:20	7.3	Surface	1.0	0.3	329	20.3	20.3	8.1	8.1	32.2	32.2	94.4	94.5	7.1	7.1	7.5			15	84	84	84	84	818180	806148	<0.2
3.7	0.3	0	20.3	20.3							8.1	8.1	32.5	32.5	93.4	93.5	7.0	7.0	8.2	16	87	87	87	87	<0.2	0.9	<0.2	0.9						
3.7	0.3	0	20.3	20.3							8.1	8.1	32.5	32.5	93.5	93.5	7.0	7.0	8.2	16	87	87	87	87	<0.2	0.8	<0.2	0.8						
6.3	0.2	350	20.3	20.3						8.0	8.0	32.5	32.5	94.5	94.6	7.1	7.1	9.5	12	89	89	89	89	<0.2	0.8	<0.2	0.8							
6.3	0.2	322	20.3	20.3						8.0	8.0	32.5	32.5	94.6	94.6	7.1	7.1	9.4	13	90	89	89	89	<0.2	0.8	<0.2	0.8							
1.0	0.4	342	20.3	20.3						8.1	8.1	32.1	32.1	94.4	94.4	7.1	7.1	8.1	23	84	83	83	83	<0.2	0.9	<0.2	0.9							
IM3	Rainy	Moderate	11:28	7.6	Surface	1.0	0.5	350	20.3	20.3	8.1	8.1	32.1	32.1	94.3	94.4	7.1	7.1	8.1	22	83	83	83	83	818786	805617	<0.2	0.9	<0.2	0.9				
						3.8	0.4	333	20.3	20.3	8.1	8.1	32.5	32.5	93.3	93.3	7.0	7.0	10.1	23	86	86	86	86			<0.2	0.9	<0.2	0.9				
						3.8	0.4	346	20.3	20.3	8.1	8.1	32.5	32.5	93.3	93.3	7.0	7.0	10.2	22	87	87	87	87			<0.2	0.8	<0.2	0.8				
					6.6	0.3	332	20.3	20.3	8.1	8.1	32.6	32.6	94.4	94.5	7.1	7.1	11.7	23	89	89	89	89	<0.2			0.8	<0.2	0.8					
					6.6	0.3	346	20.3	20.3	8.1	8.1	32.6	32.6	94.5	94.5	7.1	7.1	11.6	23	90	89	89	89	<0.2			0.9	<0.2	0.9					
					1.0	0.6	359	20.3	20.3	8.1	8.1	32.5	32.5	93.8	93.8	7.0	7.0	6.4	13	84	84	84	84	<0.2			0.9	<0.2	0.9					
IM4	Rainy	Rough	11:38	8.8	Surface	1.0	0.6	330	20.3	20.3	8.1	8.1	32.5	32.5	93.8	93.8	7.0	7.0	6.5	14	84	84	84	84	819707	804595	<0.2	0.9	<0.2	0.9				
						4.4	0.6	358	20.3	20.3	8.1	8.1	32.5	32.5	93.4	93.4	7.0	7.0	7.6	17	87	87	87	87			<0.2	0.9	<0.2	0.9				
						4.4	0.6	329	20.3	20.3	8.1	8.1	32.5	32.5	93.3	93.3	7.0	7.0	7.8	17	87	87	87	87			<0.2	0.9	<0.2	0.9				
					7.8	0.5	354	20.3	20.3	8.1	8.1	32.5	32.5	93.4	93.5	7.0	7.0	8.8	15	89	89	89	89	<0.2			0.9	<0.2	0.9					
					7.8	0.5	326	20.3	20.3	8.1	8.1	32.5	32.5	93.6	93.6	7.0	7.0	8.7	14	89	89	89	89	<0.2			0.9	<0.2	0.9					
					1.0	0.9	12	20.3	20.3	8.1	8.1	32.2	32.2	94.3	94.4	7.1	7.1	8.8	8	83	83	83	83	<0.2			0.9	<0.2	0.9					
IM5	Rainy	Moderate	11:46	8.0	Surface	1.0	0.9	13	20.3	20.3	8.1	8.1	32.2	32.2	94.4	94.4	7.1	7.1	8.9	9	84	84	84	84	820732	804855	<0.2	1.0	<0.2	1.0				
						4.0	0.9	16	20.3	20.3	8.1	8.1	32.3	32.3	94.1	94.1	7.0	7.0	9.0	9	86	86	86	86			<0.2	1.0	<0.2	1.0				
						4.0	0.9	16	20.3	20.3	8.1	8.1	32.3	32.3	94.1	94.1	7.0	7.0	10.0	8	86	86	86	86			<0.2	1.1	<0.2	1.1				
					7.0	0.7	15	20.3	20.3	8.1	8.1	32.3	32.3	94.2	94.2	7.0	7.0	11.7	7	89	89	89	89	<0.2			0.9	<0.2	0.9					
					7.0	0.7	15	20.3	20.3	8.1	8.1	32.3	32.3	94.1	94.1	7.0	7.0	11.7	7	88	88	88	88	<0.2			0.9	<0.2	0.9					
					1.0	0.0	339	20.5	20.5	8.0	8.0	30.6	30.6	90.7	90.7	6.8	6.8	6.4	7	82	83	83	83	<0.2			1.2	<0.2	1.0					
IM6	Rainy	Moderate	11:53	7.8	Surface	1.0	0.0	352	20.5	20.5	8.0	8.0	30.6	30.6	90.6	90.6	6.8	6.8	6.5	8	83	83	83	83	821081	805819	<0.2	1.0	<0.2	0.9				
						3.9	0.1	61	20.5	20.5	8.0	8.0	31.0	31.0	92.0	92.0	6.9	6.9	7.8	7	86	86	86	86			<0.2	0.9	<0.2	0.9				
						3.9	0.1	65	20.5	20.5	8.0	8.0	31.0	31.0	91.9	91.9	6.9	6.9	7.8	6	86	86	86	86			<0.2	0.9	<0.2	0.9				

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

Water Quality Monitoring Results on 04 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)	Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA				
IM9	Rainy	Moderate	11:15	7.8	Surface	1.0	0.3	37	20.5	20.5	8.1	8.1	29.0	29.0	86.6	86.7	6.6	6.6	4.2	4.2	11	11	86	89	822095	808806	<0.2	0.7	0.7	0.6					
						1.0	0.3	39	20.5	20.5	8.1	8.1	29.0	29.0	86.7	86.9	6.6	6.6	4.2	4.2	11	11	86	89	822095	808806	<0.2	0.7	0.6	0.6					
						3.9	0.2	31	20.5	20.5	8.1	8.1	29.0	29.0	86.8	86.9	6.6	6.6	4.0	4.0	12	12	89	90	822095	808806	<0.2	0.8	0.7	0.7					
					Middle	3.9	0.2	31	20.5	20.5	8.1	8.1	29.1	29.1	86.9	86.9	6.6	6.6	4.0	4.0	12	12	90	11	90	91	822095	808806	<0.2	0.7	0.7	0.7			
						6.8	0.1	54	20.4	20.4	8.1	8.1	29.1	29.1	87.8	87.9	6.7	6.7	8.5	8.5	11	11	90	91	822095	808806	<0.2	0.7	0.7	0.7					
						6.8	0.1	56	20.4	20.4	8.1	8.1	29.1	29.1	87.9	87.9	6.7	6.7	8.5	8.5	10	10	91	91	822095	808806	<0.2	0.7	0.7	0.7					
					IM10	Rainy	Moderate	11:08	8.4	Surface	1.0	0.5	283	20.5	20.5	8.1	8.1	29.2	29.2	86.8	86.8	6.6	6.6	6.4	6.4	13	13	83	87	822372	809810	<0.2	0.6	0.6	0.6
											1.0	0.5	288	20.5	20.5	8.1	8.1	29.2	29.2	86.8	86.9	6.6	6.6	6.4	6.4	13	13	84	87	822372	809810	<0.2	0.6	0.6	0.6
											4.2	0.5	282	20.5	20.5	8.1	8.1	29.2	29.2	86.9	86.9	6.6	6.6	6.6	6.6	11	11	87	88	822372	809810	<0.2	0.6	0.6	0.6
Middle	4.2	0.5	288	20.5						20.5	8.1	8.1	29.2	29.2	86.9	86.9	6.6	6.6	6.7	6.7	7	7	88	90	822372	809810	<0.2	0.6	0.6	0.6					
	7.4	0.4	278	20.5						20.5	8.1	8.1	29.3	29.3	87.4	87.6	6.6	6.6	7.3	7.2	6	6	90	90	822372	809810	<0.2	0.6	0.6	0.6					
	7.4	0.4	280	20.5						20.5	8.1	8.1	29.3	29.3	87.6	87.6	6.7	6.7	7.2	7.2	6	6	90	90	822372	809810	<0.2	0.6	0.6	0.6					
IM11	Cloudy	Moderate	10:58	8.6						Surface	1.0	0.5	338	20.5	20.5	8.1	8.1	29.6	29.6	84.6	84.6	6.4	6.4	11.2	11.1	10	9	84	86	822048	811470	<0.2	0.6	0.5	0.6
											1.0	0.5	352	20.5	20.5	8.1	8.1	29.6	29.6	84.6	84.6	6.4	6.4	11.1	11.1	9	9	84	86	822048	811470	<0.2	0.5	0.5	0.6
											4.3	0.5	337	20.5	20.5	8.1	8.1	29.6	29.6	84.6	84.6	6.4	6.4	12.3	12.3	9	8	86	85	822048	811470	<0.2	0.6	0.5	0.6
					Middle	4.3	0.5	359	20.5	20.5	8.1	8.1	29.6	29.6	84.6	84.6	6.4	6.4	12.3	12.3	8	8	86	87	822048	811470	<0.2	0.5	0.5	0.6					
						7.6	0.4	340	20.5	20.5	8.1	8.1	29.6	29.6	85.1	85.3	6.4	6.5	14.7	14.5	8	9	87	86	822048	811470	<0.2	0.6	0.5	0.6					
						7.6	0.4	313	20.5	20.5	8.1	8.1	29.6	29.6	85.3	85.3	6.5	6.5	14.5	14.5	9	9	86	86	822048	811470	<0.2	0.5	0.5	0.6					
					IM12	Cloudy	Moderate	10:52	9.5	Surface	1.0	0.7	266	20.5	20.5	8.1	8.1	29.6	29.6	85.1	85.1	6.4	6.4	8.8	8.8	8	9	84	85	821475	812027	<0.2	0.6	0.5	0.6
											1.0	0.7	272	20.5	20.5	8.1	8.1	29.6	29.6	85.1	85.1	6.4	6.4	8.8	8.8	9	8	85	85	821475	812027	<0.2	0.5	0.5	0.6
											4.8	0.7	266	20.5	20.5	8.1	8.1	29.6	29.6	85.0	85.0	6.4	6.4	12.3	12.6	8	9	86	88	821475	812027	<0.2	0.6	0.6	0.6
Middle	4.8	0.7	288	20.5						20.5	8.1	8.1	29.6	29.6	85.0	85.3	6.4	6.5	14.2	14.9	13	12	88	89	821475	812027	<0.2	0.6	0.6	0.6					
	8.5	0.5	263	20.5						20.5	8.1	8.1	29.6	29.6	85.2	85.3	6.5	6.5	14.2	14.9	13	12	88	89	821475	812027	<0.2	0.6	0.6	0.6					
	8.5	0.6	278	20.5						20.5	8.1	8.1	29.6	29.6	85.3	85.3	6.5	6.5	14.9	14.9	12	12	89	89	821475	812027	<0.2	0.6	0.6	0.6					
SR1A	Rainy	Moderate	10:14	5.6						Surface	1.0	-	-	20.5	20.5	8.1	8.1	29.4	29.4	84.1	84.1	6.4	6.4	2.9	2.9	9	10	-	-	819970	812666	-	-	-	-
											1.0	-	-	20.5	20.5	8.1	8.1	29.5	29.5	84.0	84.0	6.4	6.4	2.9	2.9	10	9	-	-	819970	812666	-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.6	-	-	20.4	20.4	8.1	8.1	29.5	29.5	84.2	84.3	6.4	6.4	3.0	3.0	8	8	-	-	-	-	-	-	-	-	-	-	-		
						4.6	-	-	20.4	20.4	8.1	8.1	29.5	29.5	84.4	84.4	6.4	6.4	3.0	3.0	9	9	-	-	-	-	-	-	-	-	-	-	-		
					SR2	Rainy	Moderate	09:58	4.9	Surface	1.0	0.2	220	20.5	20.5	8.1	8.1	29.6	29.6	84.8	84.8	6.4	6.4	9.1	9.3	7	6	85	85	821475	814165	<0.2	0.5	0.6	0.6
											1.0	0.2	228	20.5	20.5	8.1	8.1	29.6	29.6	84.8	84.8	6.4	6.4	9.3	9.3	6	6	85	86	821475	814165	<0.2	0.5	0.5	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3.9	0.2	219	20.5						20.5	8.1	8.1	29.6	29.6	85.1	85.2	6.4	6.5	10.2	10.2	5	4	86	87	821475	814165	<0.2	0.5	0.5	0.5					
	3.9	0.2	223	20.5						20.5	8.1	8.1	29.6	29.6	85.2	85.2	6.5	6.5	10.2	10.2	4	4	87	87	821475	814165	<0.2	0.5	0.5	0.5					
SR3	Rainy	Moderate	11:28	9.7						Surface	1.0	0.1	36	20.7	20.7	8.1	8.1	28.2	28.2	85.7	85.7	6.5	6.5	4.1	4.4	6	5	-	-	822153	807552	-	-	-	-
											1.0	0.1	38	20.7	20.7	8.1	8.1	28.2	28.2	85.6	85.6	6.5	6.5	4.4	4.4	5	5	-	-	822153	807552	-	-	-	-
											4.9	0.1	11	20.7	20.7	8.1	8.1	28.5	28.5	85.4	85.5	6.5	6.5	5.9	6.1	6	5	-	-	822153	807552	-	-	-	-
					Middle	4.9	0.1	11	20.7	20.7	8.1	8.1	28.5	28.5	85.5	85.5	6.5	6.5	6.1	6.1	5	5	-	-	822153	807552	-	-	-	-					
						8.7	0.1	323	20.6	20.6	8.1	8.1	28.7	28.7	86.1	86.2	6.5	6.6	8.8	9.0	5	4	-	-	822153	807552	-	-	-	-					
						8.7	0.1	329	20.6	20.6	8.1	8.1	28.7	28.7	86.2	86.2	6.6	6.6	9.0	9.0	4	4	-	-	822153	807552	-	-	-	-					
					SR4A	Rainy	Calm	10:29	9.5	Surface	1.0	0.1	70	20.3	20.3	8.0	8.0	31.9	31.9	86.6	86.6	6.5	6.5	7.3	7.3	16	16	-	-	817211	807810	-	-	-	-
											1.0	0.1	75	20.3	20.3	8.0	8.0	31.9	31.9	86.6	86.6	6.5	6.5	7.3	7.3	16	16	-	-	817211	807810	-	-	-	-
											4.8	0.2	63	20.3	20.3	8.0	8.0	32.0	32.0	86.8	86.8	6.5	6.5	8.0	8.1	16	12	-	-	817211	807810	-	-	-	-
Middle	4.8	0.2	64	20.3						20.3	8.0	8.0	32.0	32.0	86.8	86.8	6.5	6.5	8.1	8.1	12	6	-	-	817211	807810	-	-	-	-					
	8.5	0.2	71	20.3						20.3	8.0	8.0	32.0	32.0	87.8	87.9	6.6	6.6	8.2	8.2	6	5	-	-	817211	807810	-	-	-	-					
	8.5	0.2	74	20.3						20.3	8.0	8.0	32.0	32.0	87.9	87.9	6.6	6.6	8.2	8.2	5	5	-	-	817211	807810	-	-							



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

Water Quality Monitoring

Water Quality Monitoring Results on 06 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Misty	Calm	18:20	8.6	Surface	1.0	0.2	221	20.8	20.8	8.2	8.2	30.7	30.7	95.3	95.2	7.1	7.1	1.9	7	7	86	88	815628	804224	<0.2	0.9	<0.2	0.9				
						1.0	0.2	224	20.7	8.2	8.2	30.7	30.7	95.0	95.1	7.1	7.1	2.0	7	7	86	88	<0.2			0.9							
						4.3	0.2	217	20.6	8.2	8.2	31.0	31.0	93.2	93.1	7.0	7.0	3.6	7	7	87	88	<0.2			0.9							
					4.3	0.2	238	20.6	8.2	8.2	31.1	31.0	92.9	93.1	7.0	7.0	3.8	6	6	88	88	<0.2	0.9										
					7.6	0.2	194	20.6	8.2	8.2	31.4	31.4	90.9	90.7	6.8	6.8	8.8	6	6	89	89	<0.2	1.0										
					7.6	0.2	200	20.6	8.2	8.2	31.4	31.4	90.4	90.7	6.8	6.8	8.8	6	6	89	89	<0.2	0.9										
C2	Rainy	Moderate	17:07	12.6	Surface	1.0	0.3	74	20.9	20.9	7.9	7.9	30.2	30.2	87.7	87.7	6.6	6.6	3.4	7	7	84	87	825674	806956	<0.2	1.2	<0.2	1.2				
						1.0	0.3	74	20.9	7.9	7.9	30.2	30.2	87.6	86.3	6.6	6.6	3.4	7	7	83	88	<0.2			1.1							
						6.3	0.3	77	20.8	7.9	7.9	30.5	30.5	86.3	86.3	6.5	6.5	4.2	6	6	88	88	<0.2			1.1							
					6.3	0.3	83	20.8	7.9	7.9	30.5	30.5	86.2	86.2	6.5	6.5	4.2	7	7	88	88	<0.2	1.2										
					11.6	0.4	92	20.4	7.9	7.9	31.4	31.4	78.6	78.6	5.9	5.9	5.9	6	6	91	91	<0.2	1.2										
					11.6	0.4	99	20.4	7.9	7.9	31.4	31.4	78.6	78.6	5.9	5.9	5.8	6	6	90	90	<0.2	1.3										
C3	Rainy	Moderate	19:02	12.9	Surface	1.0	0.4	63	20.5	20.5	7.9	7.9	31.9	31.9	81.5	81.4	6.1	6.1	2.8	7	7	85	89	822117	817798	<0.2	0.8	<0.2	0.8				
						1.0	0.4	63	20.5	7.9	7.9	31.9	31.9	81.3	78.9	6.1	6.1	2.9	7	7	86	89	<0.2			0.8							
						6.5	0.3	75	20.3	8.0	8.0	32.4	32.4	78.9	78.9	5.9	5.9	3.5	7	7	89	89	<0.2			0.8							
					6.5	0.3	75	20.3	8.0	8.0	32.4	32.4	78.8	78.9	5.9	5.9	3.5	6	6	89	89	<0.2	0.8										
					11.9	0.3	85	20.3	8.0	8.0	32.8	32.8	78.9	78.9	5.9	5.9	3.5	6	6	92	92	<0.2	0.8										
					11.9	0.4	87	20.3	8.0	8.0	32.8	32.8	78.9	78.9	5.9	5.9	3.5	7	7	92	92	<0.2	0.7										
IM1	Misty	Calm	17:59	5.0	Surface	1.0	0.1	178	20.9	20.9	8.2	8.2	31.0	31.0	90.7	90.6	6.8	6.8	12.2	4	5	85	87	817964	807121	<0.2	0.9	<0.2	0.9				
						1.0	0.1	190	20.9	8.2	8.2	31.0	31.0	90.5	90.5	6.7	6.8	12.3	5	5	85	87	<0.2			0.9							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					4.0	0.1	191	20.9	8.2	8.2	31.0	31.0	90.5	90.8	6.8	6.8	13.1	6	6	89	89	<0.2	0.8										
					4.0	0.1	204	20.9	8.2	8.2	31.0	31.0	91.1	90.8	6.8	6.8	13.0	6	6	89	89	<0.2	0.7										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
IM2	Misty	Calm	17:51	7.0	Surface	1.0	0.1	177	20.9	20.9	8.2	8.2	30.7	30.7	95.4	95.4	7.1	7.1	1.7	7	7	86	87	818143	806161	<0.2	0.8	<0.2	0.7				
						1.0	0.1	188	20.9	8.2	8.2	30.7	30.7	95.3	93.5	7.0	7.1	2.0	7	6	86	89	<0.2			0.8							
						3.5	0.1	183	20.9	8.2	8.2	31.2	31.2	93.5	93.5	7.0	7.0	4.4	6	6	89	89	<0.2			0.7							
					3.5	0.1	191	20.8	8.2	8.2	31.2	31.2	93.4	93.4	7.0	7.0	4.5	5	5	89	89	<0.2	0.8										
					6.0	0.1	236	20.8	8.2	8.2	31.3	31.3	92.8	93.2	6.9	7.0	4.5	5	5	87	87	<0.2	0.7										
					6.0	0.1	249	20.8	8.2	8.2	31.3	31.3	93.5	93.2	7.0	7.0	4.7	5	5	87	87	<0.2	0.8										
IM3	Misty	Calm	17:45	7.2	Surface	1.0	0.1	184	20.9	20.9	8.2	8.2	30.5	30.5	95.8	95.8	7.2	7.1	1.7	4	5	87	87	818770	805606	<0.2	0.7	<0.2	0.7				
						1.0	0.1	198	20.9	8.2	8.2	30.5	30.5	95.7	94.6	7.1	7.1	1.8	5	6	87	88	<0.2			0.7							
						3.6	0.1	144	20.9	8.2	8.2	30.9	30.9	94.7	94.6	7.1	7.1	2.8	6	6	88	88	<0.2			0.8							
					3.6	0.1	149	20.9	8.2	8.2	30.9	30.9	94.5	94.6	7.0	7.0	2.9	6	6	88	88	<0.2	0.8										
					6.2	0.1	150	20.8	8.2	8.2	31.3	31.3	93.1	93.2	6.9	6.9	6.5	6	6	89	89	<0.2	0.8										
					6.2	0.1	160	20.8	8.2	8.2	31.3	31.3	93.2	93.2	6.9	6.9	6.4	6	6	89	89	<0.2	0.7										
IM4	Misty	Calm	17:36	8.4	Surface	1.0	0.1	214	21.0	21.0	8.2	8.2	30.2	30.2	96.0	96.0	7.2	7.1	2.4	6	6	86	88	819748	804608	<0.2	0.7	<0.2	0.6				
						1.0	0.2	222	21.0	8.2	8.2	30.2	30.2	95.9	94.2	7.2	7.1	2.5	6	6	86	88	<0.2			0.7							
						4.2	0.1	197	20.9	8.2	8.2	30.9	30.9	94.2	94.2	7.0	7.0	4.2	6	6	88	89	<0.2			0.7							
					4.2	0.1	210	20.9	8.2	8.2	30.9	30.9	94.2	94.4	7.0	7.1	4.3	6	6	89	90	<0.2	0.7										
					7.4	0.1	198	20.9	8.2	8.2	30.7	30.7	94.4	94.4	7.1	7.1	4.6	6	6	90	90	<0.2	0.7										
					7.4	0.1	200	20.9	8.2	8.2	30.7	30.7	94.4	94.4	7.1	7.1	4.6	6	6	90	90	<0.2	0.6										
IM5	Misty	Calm	17:28	7.8	Surface	1.0	0.2	263	21.0	21.0	8.2	8.2	30.0	30.1	92.5	92.6	6.9	6.9	2.9	7	7	84	85	820713	804865	<0.2	0.7	<0.2	0.8				
						1.0	0.2	288	21.0	8.2	8.2	30.1	30.1	92.7	93.2	6.9	7.0	2.9	8	7	85	89	<0.2			0.8							
						3.9	0.1	295	20.9	8.2	8.2	30.5	30.5	93.2	93.2	7.0	7.0	3.1	6	6	89	89	<0.2			0.6							
					3.9	0.2	296	20.9	8.2	8.2	30.6	30.6	93.2	93.2	7.0	7.0	3.3	7	7	89	89	<0.2	0.6										
					6.8	0.0	268	20.8	8.2	8.2	31.1	31.1	92.9	92.9	6.9	6.9	4.1	7	7	90	90	<0.2	0.7										
					6.8	0.0	277	20.8	8.2	8.2	31.1	31.1	92.9	92.9	6.9	6.9	4.1	7	7	90	90	<0.2	0.6										
IM6	Misty	Calm	17:21	8.0	Surface	1.0	0.2	241	20.8	20.8	8.1	8.1	29.6	29.7	90.0	90.0	6.8	6.8	3.6	7	7	85	86	821058	805809	<0.2	0.6	<0.2	0.6				
						1.0	0.2	254	20.8	8.1	8.1	29.8	29.7	89.9	89.4	6.8	6.8	3.8	7	7	86	87	<0.2			0.6							
						4.0	0.1	223	20.7	8.1	8.1	30.6	30.6	89.4	89.4	6.7	6.7	4.8	7	7	86	89	<0.2			0.6							
					4.0	0.1	232	20.7	8.1	8.1	30.6	30.6	89.4	88.6	6.7	6.7	4.8	7	7	87	89	<0.2	0.6										
					7.0	0.1	226	20.6	8.1	8.1	30.8	30.8	88.5	88.6	6.6	6.7	6.0	7	7	89	89	<0.2	1.1										
					7.0	0.1	246	20.6	8.1	8.1	30.8	30.8	88.6	88.6	6.7	6.7	6.0	8	8	89	89	<0.2	1.0										
IM7	Misty	Calm	17:11	8.8	Surface	1.0	0.1	229	21.0	21.0	8.1	8.1	28.9	28.9	90.1	90.2	6.8	6.8	2.2	8	7	85	85	821346	806817	<0.2	1.0	<0.2	0.9				
						1.0	0.1	234	21.0	8.1	8.1	28.9	28.9	90.2	90.2	6.8	6.8	2.2	8	7	85	88	<0.2			0.9							
						4.4	0.1	167	20.7	8.1	8.1	30.7	30.7	90.2	90.2	6.8	6.8	7.5	7	7	88	88	<0.2			0.8							
					4.4	0.1	176	20.7	8.1	8.1	30.7	30.7	90.1	90.1	6.8	6.8	7.5	7															

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

Water Quality Monitoring Results on 06 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:33	7.8	Surface	1.0	0.1	75	20.8	20.8	7.9	7.9	30.4	30.4	87.9	87.9	6.6	3.7	5	85	88	88	88	88	822089	808791	0.2	1.0	0.9	1.1	
						1.0	0.2	77	20.8	7.9	30.4	87.9	6.6	3.7	6	84	0.2	0.9													
						3.9	0.2	57	20.6	8.0	31.7	88.3	6.6	7.0	7	88	<0.2	1.1													
					Middle	3.9	0.2	60	20.6	8.0	31.8	31.7	88.3	88.3	6.6	7.2	6	89	<0.2	1.0											
						6.8	0.1	92	20.5	8.0	32.2	32.2	87.4	87.4	6.5	8.2	7	91	<0.2	1.1											
						6.8	0.1	95	20.5	8.0	32.2	87.4	6.5	8.3	8	91	<0.2	1.1													
					Bottom	1.0	0.6	93	20.7	8.0	30.5	30.5	84.3	84.2	6.3	4.3	7	84	0.2	1.1											
						1.0	0.6	93	20.7	8.0	30.6	30.5	84.1	84.1	6.3	4.6	7	84	0.2	1.1											
						3.7	0.6	88	20.5	7.9	31.0	31.0	82.3	82.3	6.2	7.0	8	89	<0.2	1.0											
Middle	3.7	0.6	91	20.5	7.9	31.0	31.0	82.3	82.3	6.2	6.8	8	89	<0.2	1.0																
	6.4	0.6	85	20.5	8.0	31.2	31.2	81.3	81.3	6.1	8.0	8	91	<0.2	0.9																
	6.4	0.6	91	20.5	8.0	31.2	31.2	81.2	81.2	6.1	8.1	8	91	<0.2	0.9																
Bottom	1.0	0.5	115	20.7	20.7	7.9	7.9	30.4	30.4	85.3	85.2	6.4	3.9	6	85	<0.2	0.9														
	1.0	0.6	122	20.7	20.7	7.9	7.9	30.4	30.4	85.1	85.1	6.4	4.0	7	84	<0.2	1.0														
	4.4	0.4	95	20.6	20.6	8.0	8.0	30.9	30.9	82.7	82.5	6.2	4.8	7	89	<0.2	0.8														
Middle	4.4	0.5	103	20.5	20.6	8.0	8.0	31.0	30.9	82.3	82.5	6.2	5.0	7	89	<0.2	1.0														
	7.7	0.4	94	20.5	20.5	8.0	8.0	31.2	31.2	80.7	80.7	6.1	6.9	9	91	<0.2	1.0														
	7.7	0.4	100	20.5	20.5	8.0	8.0	31.2	31.2	80.6	80.6	6.0	7.3	8	91	<0.2	1.0														
Bottom	1.0	0.4	139	20.5	20.5	7.9	7.9	31.3	31.3	82.4	82.4	6.2	4.6	5	84	<0.2	0.9														
	1.0	0.4	143	20.5	20.5	7.9	7.9	31.3	31.3	82.4	82.4	6.2	4.6	6	84	<0.2	1.0														
	5.0	0.4	142	20.5	20.5	7.9	7.9	31.3	31.3	82.1	82.1	6.2	4.7	8	88	0.2	0.9														
Middle	5.0	0.4	145	20.5	20.5	7.9	7.9	31.3	31.3	82.1	82.1	6.2	4.7	8	89	<0.2	1.0														
	9.0	0.3	125	20.5	20.5	8.0	8.0	31.4	31.4	81.5	81.5	6.1	5.9	8	90	0.2	1.0														
	9.0	0.3	129	20.5	20.5	8.0	8.0	31.4	31.4	81.4	81.4	6.1	5.9	8	91	0.2	1.0														
Bottom	1.0	-	-	20.6	20.6	7.9	7.9	31.1	31.1	81.8	81.8	6.1	4.0	5	-	-	-	-	-	-	-	819976	812661	-	-	-	-				
	1.0	-	-	20.6	20.6	7.9	7.9	31.1	31.1	81.7	81.7	6.1	4.0	7	-	-	-	-	-	-	-	-	-	-	-	-	-				
	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.3	-	-	20.6	20.6	8.0	8.0	31.1	31.1	81.4	81.4	6.1	3.9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.3	-	-	20.6	20.6	8.0	8.0	31.1	31.1	81.4	81.4	6.1	3.8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom	1.0	0.4	65	20.5	20.5	8.0	8.0	31.4	31.4	81.4	81.4	6.1	3.5	8	87	<0.2	0.9														
	1.0	0.4	70	20.5	20.5	8.0	8.0	31.4	31.4	81.3	81.3	6.1	3.6	7	87	<0.2	0.9														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.8	0.4	74	20.4	20.4	8.0	8.0	31.8	31.8	80.7	80.7	6.0	4.0	8	89	<0.2	0.9														
	3.8	0.4	76	20.4	20.4	8.0	8.0	31.8	31.8	80.7	80.7	6.0	4.0	8	89	<0.2	0.9														
Bottom	1.0	0.2	119	20.8	20.8	7.9	7.9	30.2	30.2	88.1	88.1	6.6	3.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1.0	0.2	123	20.8	20.8	7.9	7.9	30.2	30.2	88.1	88.1	6.6	3.6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.9	0.2	131	20.7	20.7	7.9	7.9	30.8	30.8	88.8	88.9	6.6	4.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	4.9	0.2	141	20.7	20.7	8.0	8.0	30.8	30.8	88.9	88.9	6.7	4.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	8.7	0.2	87	20.6	20.6	8.0	8.0	32.3	32.3	89.4	89.4	6.7	5.4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	8.7	0.2	93	20.6	20.6	8.0	8.0	32.3	32.3	89.4	89.4	6.7	5.4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom	1.0	0.2	65	20.7	20.7	8.2	8.2	31.1	31.1	90.0	90.0	6.7	4.9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1.0	0.2	65	20.7	20.7	8.2	8.2	31.1	31.1	90.0	90.0	6.7	4.7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.6	0.1	57	20.7	20.7	8.2	8.2	31.2	31.2	89.7	89.7	6.7	5.8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	4.6	0.1	57	20.7	20.7	8.2	8.2	31.2	31.2	89.7	89.7	6.7	5.8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	8.2	0.1	67	20.7	20.7	8.2	8.2	31.2	31.2	89.7	89.7	6.7	6.6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	8.2	0.1	71	20.7	20.7	8.2	8.2	31.2	31.2	89.7	89.7	6.7	6.7	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom	1.0	0.0	332	21.2	21.2	8.1	8.1	30.4	30.4	87.6	87.5	6.5	3.8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1.0	0.0	359	21.2	21.2	8.1	8.1	30.4	30.4	87.4	87.4	6.5	4.0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	2.6	0.1	90	20.9	20.9	8.1	8.1	30.6	30.6	85.1	85.2	6.4	14.5	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	2.6	0.1	97	20.9	20.9	8.1	8.1	30.6	30.6	85.2	85.2	6.4	14.6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom	1.0	0.0	57	20.9	20.9	8.1	8.1	29.5	29.5	82.2	82.2	6.2	10.8	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1.0	0.0	62	20.9	20.9	8.1	8.1	29.5	29.5	82.2	82.2	6.2	10.6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.6	0.0	38	20.9	20.9	8.1	8.1	29.5	29.5	81.4	81.4	6.1	13.4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.6	0.0	38	20.8	20.9	8.1	8.1	29.5	29.5	81.3	81.3	6.1	13.3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Bottom	1.0	0.5	53	20.3	20.3	7.9	7.9	32.6	32.6	80.1	80.1	6.0	2.6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	1.0	0.5	57	20.3	20.3	7.9	7.9	32.																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Calm	11:52	8.6	Surface	1.0	0.4	28	20.7	20.7	8.2	8.2	31.1	31.1	93.7	93.7	7.0	6.9	4.2	4.9	4	7	84	87	815609	804270	<0.2	0.7	<0.2	0.8	
						1.0	0.5	29	20.7	20.6	8.2	8.2	31.1	31.1	93.6	93.6	7.0	6.9	4.1	4.9	6	7	85	88			<0.2	0.7	<0.2	0.7	
						4.3	0.5	40	20.6	20.6	8.2	8.2	31.5	31.5	91.6	91.6	6.9	6.8	5.1	6.1	7	6	88	88			<0.2	0.7	<0.2	0.7	
					4.3	0.5	42	20.5	20.6	8.2	8.2	31.6	31.6	91.5	91.5	6.8	6.8	5.4	6.1	6	7	88	88	<0.2			0.7	<0.2	0.7		
					7.6	0.4	38	20.6	20.6	8.2	8.2	31.6	31.6	92.0	92.0	6.9	6.9	5.4	6.1	9	7	88	88	<0.2			0.7	<0.2	0.7		
					7.6	0.5	38	20.6	20.6	8.2	8.2	31.6	31.6	92.2	92.2	6.9	6.9	5.5	6.1	9	7	89	89	<0.2			0.6	<0.2	0.6		
					1.0	0.4	338	20.8	20.8	7.9	7.9	30.0	30.0	87.5	87.5	6.6	6.6	3.1	6.5	6	6	84	84	<0.2			1.2	<0.2	1.1		
					1.0	0.4	311	20.8	20.8	7.9	7.9	30.0	30.0	87.5	87.5	6.6	6.6	3.0	6.5	6	6	84	84	<0.2			1.2	<0.2	1.1		
					6.2	0.4	345	20.8	20.8	7.9	7.9	30.2	30.2	84.6	84.6	6.4	6.3	3.4	5.1	7	7	87	87	<0.2			1.2	<0.2	1.2		
6.2	0.4	317	20.7	20.7	7.9	7.9	30.2	30.2	84.4	84.4	6.3	6.3	3.5	6.1	7	6	87	87	<0.2	1.2	<0.2	1.2									
11.4	0.4	19	20.5	20.5	8.0	8.0	30.4	30.4	81.3	81.3	6.1	6.1	8.8	6.1	7	7	90	90	<0.2	0.8	<0.2	0.8									
11.4	0.4	19	20.5	20.5	8.0	8.0	30.4	30.4	81.3	81.3	6.1	6.1	9.0	6.1	8	6	90	90	<0.2	0.8	<0.2	0.9									
C2	Rainy	Moderate	12:20	12.4	Surface	1.0	0.5	256	20.4	20.4	7.9	7.9	31.4	31.4	83.7	83.7	6.3	6.2	2.7	3.1	6	6	85	88	825658	806948	<0.2	0.9	<0.2	0.9	
						1.0	0.5	265	20.4	20.4	7.9	7.9	31.4	31.4	83.6	83.6	6.3	6.2	2.8	3.1	6	6	84	88			<0.2	0.8	<0.2	0.8	
						6.1	0.5	264	20.3	20.3	7.9	7.9	31.6	31.6	81.2	81.2	6.1	6.1	2.8	6.1	7	6	88	88			<0.2	0.9	<0.2	0.9	
					6.1	0.6	277	20.3	20.3	7.9	7.9	31.6	31.6	81.1	81.1	6.1	6.1	2.8	6.1	7	6	88	88	<0.2			0.8	<0.2	0.8		
					11.1	0.4	261	20.3	20.3	8.0	8.0	32.1	32.1	79.4	79.4	5.9	5.9	3.9	5.9	7	6	91	91	<0.2			0.8	<0.2	0.8		
					11.1	0.5	268	20.3	20.3	8.0	8.0	32.1	32.1	79.4	79.4	5.9	5.9	3.7	5.9	7	6	91	91	<0.2			1.0	<0.2	1.0		
					1.0	0.2	353	20.6	20.6	8.1	8.1	31.1	31.1	89.5	89.5	6.7	6.7	7.5	6.7	4	5	83	85	<0.2			0.8	<0.2	0.8		
					1.0	0.2	325	20.6	20.6	8.1	8.1	31.1	31.1	89.5	89.5	6.7	6.7	7.5	6.7	3	5	84	85	<0.2			0.7	<0.2	0.7		
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	85	87	<0.2
4.2	0.1	337	20.7	20.7	8.1	8.1	31.1	31.1	89.7	89.7	6.7	6.8	7.7	6.8	5	4	88	88	<0.2	0.8	<0.2	0.8									
4.2	0.1	339	20.7	20.7	8.1	8.1	31.1	31.1	90.3	90.3	6.8	6.8	7.7	6.8	7	4	86	86	<0.2	0.9	<0.2	0.9									
IM2	Fine	Calm	12:21	7.2	Surface	1.0	0.3	356	20.9	20.9	8.2	8.2	30.9	30.9	94.0	93.9	7.0	6.9	1.6	4	4	4	84	88	818174	806162	<0.2	0.8	<0.2	0.8	
						1.0	0.3	328	20.9	20.9	8.2	8.2	30.9	30.9	93.8	93.8	7.0	6.9	1.7	6.2	5	4	87	88			<0.2	0.8	<0.2	0.8	
						3.6	0.3	353	20.6	20.6	8.2	8.2	31.2	31.2	91.2	91.1	6.8	6.8	6.3	6.2	4	4	88	88			<0.2	0.7	<0.2	0.7	
					3.6	0.3	325	20.6	20.6	8.2	8.2	31.3	31.3	91.0	91.0	6.8	6.8	6.1	6.2	4	4	88	88	<0.2			0.6	<0.2	0.6		
					6.2	0.2	346	20.6	20.6	8.2	8.2	31.3	31.3	91.0	91.0	6.8	6.8	10.9	6.8	4	4	89	89	<0.2			0.8	<0.2	0.8		
					6.2	0.3	318	20.6	20.6	8.2	8.2	31.3	31.3	91.1	91.1	6.8	6.8	10.8	6.8	3	4	89	89	<0.2			0.8	<0.2	0.8		
					1.0	0.3	343	20.8	20.8	8.2	8.2	30.9	30.9	93.6	93.5	7.0	7.0	2.1	7.0	2	5	85	85	<0.2			0.7	<0.2	0.7		
					1.0	0.3	316	20.8	20.8	8.2	8.2	30.9	30.9	93.4	93.4	7.0	7.0	2.1	7.0	3	5	85	85	<0.2			0.7	<0.2	0.7		
					3.7	0.3	340	20.7	20.7	8.2	8.2	30.9	30.9	92.6	92.5	6.9	6.9	3.1	7.0	5	5	87	87	<0.2			0.8	<0.2	0.8		
3.7	0.4	348	20.7	20.7	8.2	8.2	30.9	30.9	92.3	92.3	6.9	6.9	3.2	7.0	6	5	88	88	<0.2	0.9	<0.2	0.9									
6.4	0.3	329	20.6	20.6	8.2	8.2	31.2	31.2	90.8	90.9	6.8	6.8	3.9	6.8	6	6	90	90	<0.2	0.8	<0.2	0.8									
6.4	0.3	343	20.6	20.6	8.2	8.2	31.2	31.2	90.9	90.9	6.8	6.8	3.8	6.8	6	6	89	89	<0.2	0.8	<0.2	0.8									
IM4	Fine	Calm	12:37	8.6	Surface	1.0	0.6	344	20.8	20.8	8.2	8.2	30.4	30.4	93.9	93.8	7.0	6.9	6.4	7.5	5	4	83	88	819742	804593	<0.2	0.8	<0.2	0.8	
						1.0	0.6	351	20.8	20.8	8.2	8.2	30.5	30.4	93.7	93.7	7.0	6.9	6.9	7.5	5	4	88	88			<0.2	0.7	<0.2	0.7	
						4.3	0.5	354	20.5	20.5	8.2	8.2	31.1	31.1	91.1	91.1	6.8	6.8	7.6	6.9	4	4	88	88			<0.2	0.8	<0.2	0.8	
					4.3	0.5	359	20.5	20.5	8.2	8.2	31.1	31.1	91.1	91.1	6.8	6.8	8.0	6.9	4	4	88	88	<0.2			0.7	<0.2	0.7		
					7.6	0.4	1	20.5	20.5	8.2	8.2	31.1	31.1	90.9	90.9	6.8	6.8	8.1	6.8	4	4	89	89	<0.2			0.8	<0.2	0.8		
					7.6	0.4	1	20.5	20.5	8.2	8.2	31.1	31.1	90.9	90.9	6.8	6.8	8.1	6.8	3	4	85	85	<0.2			0.8	<0.2	0.8		
					1.0	0.6	24	20.6	20.6	8.2	8.2	30.9	30.9	91.7	91.7	6.9	6.9	6.9	6.9	9	7	83	83	<0.2			0.7	<0.2	0.7		
					1.0	0.6	24	20.6	20.6	8.2	8.2	30.9	30.9	91.7	91.7	6.9	6.9	7.1	6.9	8	7	83	83	<0.2			0.7	<0.2	0.7		
					4.0	0.6	22	20.6	20.6	8.2	8.2	30.9	30.9	91.6	91.6	6.9	6.9	7.6	6.9	8	7	87	87	<0.2			0.9	<0.2	0.9		
4.0	0.6	23	20.6	20.6	8.2	8.2	30.9	30.9	91.6	91.6	6.9	6.9	7.8	6.9	7	7	87	87	<0.2	0.8	<0.2	0.8									
7.0	0.6	15	20.7	20.7	8.2	8.2	30.9	30.9	91.5	91.5	6.9	6.9	8.0	6.9	5	4	89	89	<0.2	0.8	<0.2	0.8									
7.0	0.6	15	20.7	20.7	8.2	8.2	30.9	30.9	91.5	91.5	6.9	6.9	8.0	6.9	4	4	89	89	<0.2	0.9	<0.2	0.9									
IM6	Fine	Calm	12:56	7.8	Surface	1.0	0.4	90	20.6	20.6	8.2	8.2	30.6	30.6	90.7	90.7	6.8	6.8	13.5	17.7	8	9	84	87	821079	805834	<0.2	0.9	<0.2	0.9	
						1.0	0.4	91	20.6	20.6	8.2	8.2	30.6	30.6	90.7	90.7	6.8	6.8	13.4	17.7	8	9	84	87			<0.2	0.8	<0.2	0.8	
						3.9	0.3	84	20.7	20.7	8.2	8.2	30.5	30.5	90.7	90.7	6.8	6.8	19.0	17.7	9	8	87	87			<0.2	0.9	<0.2	0.9	
					3.9	0.3	90	20.7	20.7	8.2	8.2	30.5	30.5	90.7	90.7	6.8	6.8	19.3	17.7	8	8	87	87	<0.2			0.8	<0.2	0.8		
					6.8	0.1	125																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Rainy	Moderate	11:51	7.7	Surface	1.0	0.5	263	20.7	7.9	7.9	30.3	30.3	86.2	86.2	6.5	6.5	5.3	7	84	87	87	87	87	822103	808822	<0.2	1.1	<0.2	1.0		
						1.0	0.5	281	20.7	7.9	7.9	30.3	30.3	86.2	86.2	6.5	6.5	5.3	6	83	87	87	87	87	87	87	822103	808822	<0.2	1.4	<0.2	1.4
						3.9	0.3	264	20.6	7.9	7.9	30.3	30.3	85.3	85.3	6.4	6.4	6.6	7	86	87	87	87	87	87	87	822103	808822	<0.2	1.2	<0.2	1.0
					Middle	3.9	0.4	281	20.6	7.9	7.9	30.3	30.3	85.3	85.3	6.4	6.4	6.6	7	86	87	87	87	87	87	87	822103	808822	<0.2	1.4	<0.2	1.0
						6.7	0.3	256	20.6	8.0	8.0	30.3	30.3	84.0	84.0	6.3	6.3	8.2	7	90	87	87	87	87	87	87	822103	808822	<0.2	1.2	<0.2	1.0
						6.7	0.4	263	20.6	8.0	8.0	30.3	30.3	84.0	84.0	6.3	6.3	8.2	7	90	87	87	87	87	87	87	822103	808822	<0.2	1.2	<0.2	1.0
					Bottom	6.7	0.4	263	20.6	8.0	8.0	30.3	30.3	84.0	84.0	6.3	6.3	8.2	7	90	87	87	87	87	87	87	822103	808822	<0.2	1.2	<0.2	1.0
						6.7	0.4	263	20.6	8.0	8.0	30.3	30.3	84.0	84.0	6.3	6.3	8.2	7	90	87	87	87	87	87	87	822103	808822	<0.2	1.2	<0.2	1.0
						6.7	0.4	263	20.6	8.0	8.0	30.3	30.3	84.0	84.0	6.3	6.3	8.2	7	90	87	87	87	87	87	87	822103	808822	<0.2	1.2	<0.2	1.0
IM10	Misty	Moderate	11:44	9.1	Surface	1.0	0.6	289	20.7	7.9	7.9	30.5	30.5	85.5	85.5	6.4	6.4	3.7	7	84	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.0		
						1.0	0.6	312	20.7	7.9	7.9	30.5	30.5	85.4	85.4	6.4	6.4	3.8	6	84	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
						4.6	0.5	288	20.5	7.9	7.9	30.6	30.6	83.1	83.1	6.3	6.3	5.4	6	87	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
					Middle	4.6	0.6	304	20.5	7.9	7.9	30.6	30.6	83.0	83.0	6.2	6.2	5.5	5	86	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
						8.1	0.4	286	20.5	8.0	8.0	30.7	30.7	81.8	81.8	6.2	6.2	7.3	5	89	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
						8.1	0.4	294	20.5	8.0	8.0	30.7	30.7	81.8	81.8	6.2	6.2	7.3	5	89	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
					Bottom	8.1	0.4	286	20.5	8.0	8.0	30.7	30.7	81.8	81.8	6.2	6.2	7.3	5	89	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
						8.1	0.4	294	20.5	8.0	8.0	30.7	30.7	81.8	81.8	6.2	6.2	7.3	5	89	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
						8.1	0.4	294	20.5	8.0	8.0	30.7	30.7	81.8	81.8	6.2	6.2	7.3	5	89	87	87	87	87	87	87	822388	809775	<0.2	1.1	<0.2	1.1
IM11	Misty	Moderate	11:34	8.5	Surface	1.0	0.6	287	20.4	7.9	7.9	31.1	31.1	83.4	83.4	6.3	6.3	5.4	3	83	86	86	86	86	822042	811473	<0.2	1.1	<0.2	1.0		
						1.0	0.6	309	20.4	7.9	7.9	31.1	31.1	83.3	83.3	6.3	6.3	5.4	4	84	86	86	86	86	86	822042	811473	<0.2	1.1	<0.2	1.0	
						4.3	0.5	299	20.4	7.9	7.9	31.1	31.1	82.4	82.4	6.2	6.2	6.2	4	86	87	87	87	87	87	822042	811473	<0.2	1.1	<0.2	1.1	
					Middle	4.3	0.5	309	20.4	7.9	7.9	31.1	31.1	82.4	82.4	6.2	6.2	6.2	4	86	87	87	87	87	87	87	822042	811473	<0.2	1.2	<0.2	1.2
						7.5	0.4	297	20.4	8.0	8.0	31.1	31.1	81.3	81.3	6.1	6.1	7.7	4	89	87	87	87	87	87	87	822042	811473	<0.2	1.0	<0.2	1.0
						7.5	0.4	311	20.4	8.0	8.0	31.1	31.1	81.2	81.2	6.1	6.1	7.7	4	89	87	87	87	87	87	87	822042	811473	<0.2	1.1	<0.2	1.1
					Bottom	7.5	0.4	297	20.4	8.0	8.0	31.1	31.1	81.3	81.3	6.1	6.1	7.7	4	89	87	87	87	87	87	87	822042	811473	<0.2	1.0	<0.2	1.0
						7.5	0.4	311	20.4	8.0	8.0	31.1	31.1	81.2	81.2	6.1	6.1	7.7	4	89	87	87	87	87	87	87	822042	811473	<0.2	1.1	<0.2	1.1
						7.5	0.4	311	20.4	8.0	8.0	31.1	31.1	81.2	81.2	6.1	6.1	7.7	4	89	87	87	87	87	87	87	822042	811473	<0.2	1.1	<0.2	1.1
IM12	Misty	Moderate	11:28	9.8	Surface	1.0	0.5	285	20.5	7.9	7.9	31.0	31.0	84.6	84.6	6.4	6.4	3.4	4	84	87	87	87	87	821482	812065	<0.2	1.2	<0.2	1.0		
						1.0	0.5	291	20.5	7.9	7.9	31.0	31.0	84.5	84.5	6.3	6.3	3.4	3	83	87	87	87	87	87	821482	812065	<0.2	1.2	<0.2	1.0	
						4.9	0.4	283	20.4	7.9	7.9	31.1	31.1	82.3	82.3	6.2	6.2	4.8	5	87	87	87	87	87	87	821482	812065	<0.2	0.9	<0.2	0.9	
					Middle	4.9	0.5	291	20.4	7.9	7.9	31.1	31.1	82.3	82.3	6.2	6.2	5.0	4	87	87	87	87	87	87	87	821482	812065	<0.2	1.1	<0.2	1.1
						8.8	0.4	283	20.4	8.0	8.0	31.1	31.1	81.3	81.3	6.1	6.1	6.7	6	90	87	87	87	87	87	87	821482	812065	<0.2	0.9	<0.2	0.9
						8.8	0.4	293	20.4	8.0	8.0	31.1	31.1	81.2	81.2	6.1	6.1	6.8	6	90	87	87	87	87	87	87	821482	812065	<0.2	0.7	<0.2	0.7
					Bottom	8.8	0.4	283	20.4	8.0	8.0	31.1	31.1	81.3	81.3	6.1	6.1	6.7	6	90	87	87	87	87	87	87	821482	812065	<0.2	0.9	<0.2	0.9
						8.8	0.4	293	20.4	8.0	8.0	31.1	31.1	81.2	81.2	6.1	6.1	6.8	6	90	87	87	87	87	87	87	821482	812065	<0.2	0.7	<0.2	0.7
						8.8	0.4	293	20.4	8.0	8.0	31.1	31.1	81.2	81.2	6.1	6.1	6.8	6	90	87	87	87	87	87	87	821482	812065	<0.2	0.7	<0.2	0.7
SR1A	Misty	Calm	10:53	4.7	Surface	1.0	-	-	20.5	7.9	7.9	31.1	31.1	81.7	81.7	6.1	6.1	4.0	6	-	-	-	-	-	819975	812657	-	-	-	-		
						1.0	-	-	20.5	7.9	7.9	31.1	31.1	81.6	81.6	6.1	6.1	4.0	5	-	-	-	-	-	-	819975	812657	-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812657	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812657	-	-	-	-
						3.7	-	-	20.4	8.0	8.0	31.1	31.1	80.8	80.8	6.1	6.1	4.5	6	-	-	-	-	-	-	-	819975	812657	-	-	-	-
						3.7	-	-	20.4	8.0	8.0	31.1	31.1	80.8	80.8	6.1	6.1	4.5	6	-	-	-	-	-	-	-	819975	812657	-	-	-	-
					Bottom	3.7	-	-	20.4	8.0	8.0	31.1	31.1	80.8	80.8	6.1	6.1	4.5	6	-	-	-	-	-	-	-	819975	812657	-	-	-	-
						3.7	-	-	20.4	8.0	8.0	31.1	31.1	80.8	80.8	6.1	6.1	4.5	6	-	-	-	-	-	-	-	819975	812657	-	-	-	-
						3.7	-	-	20.4	8.0	8.0	31.1	31.1	80.8	80.8	6.1	6.1	4.5	6	-	-	-	-	-	-	-	819975	812657	-	-	-	-
SR2	Misty	Moderate	10:39	3.5	Surface	1.0	0.2	328	20.5	7.9	7.9	31.1	31.1																			

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

Water Quality Monitoring Results on 09 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Cloudy	Rough	11:24	8.3	Surface	1.0	0.0	70	20.5	20.5	8.2	8.2	30.8	30.8	93.3	93.2	7.0	7.0	3.4	6	88	89	815628	804226	<0.2	0.7	<0.2	0.7							
						1.0	0.0	75	20.5	8.2	8.2	30.8	30.8	93.0	91.9	7.0	7.0	3.7	6	87	89	<0.2	0.7												
						4.2	0.1	146	20.4	8.2	8.2	31.3	31.3	91.9	91.9	6.9	6.9	6.2	8	89	90	<0.2	0.7												
					Middle	4.2	0.1	153	20.4	8.2	8.1	31.3	31.4	91.9	91.9	6.9	6.9	6.5	7	89	90	<0.2	0.6												
						7.3	0.1	172	20.4	8.2	8.1	31.4	31.4	91.8	91.9	6.9	6.9	9.4	7	90	92	<0.2	0.8												
						7.3	0.1	176	20.4	8.1	8.1	31.4	31.4	91.9	91.9	6.9	6.9	9.6	8	92	91	<0.2	0.7												
					C2	Cloudy	Calm	12:33	12.0	Surface	1.0	0.3	170	20.8	20.8	7.9	7.9	28.5	28.6	87.7	87.6	6.6	6.6	3.6	7	87			89	825702	806955	<0.2	0.6	<0.2	0.6
											1.0	0.3	179	20.8	7.9	7.9	28.6	28.6	87.5	87.6	6.6	6.6	3.9	6	87	88			<0.2	0.6					
											6.0	0.2	177	20.6	7.9	7.9	31.4	31.4	82.1	82.0	6.1	6.1	4.0	6	88	89			<0.2	0.7					
Middle	6.0	0.2	193	20.6						7.9	7.9	31.4	31.4	81.8	81.8	6.1	6.1	4.0	7	89	91	<0.2	0.5												
	11.0	0.2	167	20.5						7.9	7.9	32.0	32.0	82.2	82.4	6.1	6.1	6.3	7	91	91	<0.2	0.7												
	11.0	0.2	173	20.5						7.9	7.9	32.0	32.0	82.6	82.4	6.2	6.2	6.3	7	91	91	<0.2	0.6												
C3	Cloudy	Moderate	10:28	12.2						Surface	1.0	0.1	28	20.3	20.3	7.9	7.9	33.0	33.0	81.3	81.3	6.1	6.1	2.4	6	86	88	822117	817790	<0.2	1.5	<0.2	1.6		
											1.0	0.1	30	20.3	7.9	7.9	33.0	33.0	81.2	81.2	6.0	6.0	2.4	5	86	88	<0.2	1.6							
											6.1	0.1	44	20.3	7.9	7.9	33.0	33.0	80.2	80.2	6.0	6.0	3.0	6	88	89	<0.2	1.6							
					Middle	6.1	0.1	47	20.3	7.9	7.9	33.0	33.0	80.2	80.2	6.0	6.0	3.2	5	88	90	<0.2	1.5												
						11.2	0.1	68	20.3	7.9	7.9	33.0	33.0	80.7	80.8	6.0	6.0	4.1	5	90	90	<0.2	1.5												
						11.2	0.2	71	20.3	7.9	7.9	33.0	33.0	80.8	80.8	6.0	6.0	3.8	6	90	90	<0.2	1.6												
					IM1	Cloudy	Calm	11:47	5.1	Surface	1.0	0.1	168	20.8	20.8	8.1	8.1	31.0	31.0	92.1	92.1	6.9	6.9	5.4	8	88	88	817948	807141	<0.2	0.6			<0.2	0.6
											1.0	0.1	175	20.7	8.1	8.1	31.0	31.0	92.0	92.1	6.9	6.9	5.6	7	87	89	<0.2	0.6							
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	4.1	0.1	140	20.5						20.5	8.1	8.1	31.2	31.2	90.0	90.0	6.8	6.8	10.2	6	89	89	<0.2	0.6											
	4.1	0.1	140	20.5						20.5	8.1	8.1	31.2	31.2	90.0	90.0	6.8	6.8	10.6	6	89	89	<0.2	0.7											
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
IM2	Cloudy	Moderate	11:54	6.8						Surface	1.0	0.1	207	20.7	20.7	8.2	8.2	31.1	31.1	93.8	93.8	7.0	7.0	4.5	7	88	89	818147	806167	<0.2	0.6	<0.2	0.6		
											1.0	0.1	220	20.6	20.6	8.2	8.2	31.1	31.1	93.7	93.8	7.0	7.0	4.8	8	87	89	<0.2	0.6						
											3.4	0.0	133	20.5	20.5	8.2	8.2	31.4	31.4	92.7	92.7	7.0	7.0	8.6	7	89	89	<0.2	0.6						
					Middle	3.4	0.0	137	20.5	20.5	8.2	8.2	31.4	31.4	92.7	92.7	6.9	6.9	8.9	8	89	91	<0.2	0.6											
						5.8	0.1	129	20.5	20.5	8.2	8.2	31.4	31.4	93.0	93.2	7.0	7.0	11.4	9	91	91	<0.2	0.6											
						5.8	0.1	133	20.5	20.5	8.2	8.2	31.4	31.4	93.0	93.2	7.0	7.0	11.7	9	91	91	<0.2	0.6											
					IM3	Cloudy	Moderate	12:02	7.0	Surface	1.0	0.1	174	20.6	20.6	8.2	8.2	31.2	31.2	93.2	93.1	7.0	7.0	7.2	7	87	88	818771	805605	<0.2	0.6			<0.2	0.9
											1.0	0.1	175	20.6	20.6	8.2	8.2	31.2	31.2	93.0	93.1	7.0	7.0	7.8	6	86	88	<0.2	0.8						
											3.5	0.1	171	20.5	20.5	8.1	8.1	31.3	31.3	92.1	92.1	6.9	6.9	11.4	7	87	88	<0.2	1.2						
Middle	3.5	0.1	183	20.5						20.5	8.1	8.1	31.3	31.3	92.0	92.1	6.9	6.9	12.0	8	88	90	<0.2	1.2											
	6.0	0.1	115	20.4						20.4	8.1	8.1	31.4	31.4	91.7	91.7	6.9	6.9	13.6	8	90	91	<0.2	0.8											
	6.0	0.1	121	20.4						20.4	8.1	8.1	31.4	31.4	91.7	91.7	6.9	6.9	14.2	8	91	91	<0.2	0.7											
IM4	Cloudy	Moderate	12:11	8.1						Surface	1.0	0.1	212	20.6	20.6	8.1	8.1	30.8	30.8	92.6	92.6	7.0	7.0	6.1	8	86	89	819708	804601	<0.2	0.9	<0.2	1.0		
											1.0	0.2	227	20.6	20.6	8.1	8.1	30.8	30.8	92.6	92.6	7.0	7.0	6.0	8	87	89	<0.2	1.0						
											4.1	0.1	193	20.5	20.5	8.1	8.1	30.9	30.9	92.6	92.6	6.9	6.9	6.3	8	89	89	<0.2	1.0						
					Middle	4.1	0.1	203	20.5	20.5	8.1	8.1	30.9	30.9	92.5	92.6	6.9	6.9	6.0	8	89	91	<0.2	1.0											
						7.1	0.1	141	20.6	20.6	8.1	8.1	31.1	31.0	93.0	93.2	7.0	7.0	15.6	7	91	91	<0.2	1.2											
						7.1	0.1	154	20.6	20.6	8.1	8.1	31.0	31.0	93.3	93.2	7.0	7.0	15.4	6	91	91	<0.2	1.0											
					IM5	Cloudy	Moderate	12:19	7.2	Surface	1.0	0.1	233	20.7	20.7	8.1	8.1	30.3	30.4	93.1	93.1	7.0	7.0	3.8	4	86	89	820733	804880	<0.2	1.2			<0.2	1.1
											1.0	0.1	238	20.7	20.7	8.1	8.1	30.4	30.4	93.0	93.1	7.0	7.0	3.8	5	87	91	<0.2	1.2						
											3.6	0.1	175	20.6	20.6	8.1	8.1	31.0	31.0	92.5	92.5	6.9	6.9	4.5	6	91	91	<0.2	0.9						
Middle	3.6	0.1	189	20.6						20.6	8.1	8.1	31.0	31.0	92.5	92.5	6.9	6.9	4.5	5	91	92	<0.2	1.0											
	6.2	0.1	5	20.7						20.7	8.1	8.1	31.0	31.0	92.9	93.1	7.0	7.0	4.8	6	92	92	<0.2	1.0											
	6.2	0.1	5	20.7						20.7	8.1	8.1	31.0	31.0	93.2	93.1	7.0	7.0	4.8	5	92	92	<0.2	1.2											
IM6	Cloudy	Moderate	12:28	7.6						Surface	1.0	0.1	204	20.8	20.8	8.1	8.1	29.8	29.9	92.4	92.4	7.0	7.0	4.9	6	86	89	821076	805843	<0.2	1.3	<0.2	1.2		
											1.0	0.1	209	20.7	20.7	8.1	8.1	29.9	29.9	92.4	92.4	7.0	7.0	4.9	5	87	90	<0.2	1.2						
											3.8	0.1	191	20.6	20.6	8.1	8.1	31.0	31.0	91.9	91.9	6.9	6.9	6.3	5	90	92	<0.2	1.1						
					Middle	3.8	0.1	208	20.6	20.6	8.1	8.1	31.0	31.0	91.9	91.9	6.9	6.9	6.3	5	90	93	<0.2	1.2											
						6.6	0.1	154	20.8	20.9	8.1	8.1	30.9	30.8	91.6	91.6	6.8	6.8	7.1	4	93	91	<0.2	1.2											
						6.6	0.1	164	20.9	20.9	8.1	8.1	30.8	30.8	91.6	91.6	6.8	6.8	7.1	5	91	91	<0.2	1.2											
					IM7	Cloudy	Moderate	12:34	8.1	Surface	1.0	0.1	210	20.8	20.8	8.1	8.1	29.4	29.5	90.2	90.2	6.8	6.8	5.6	6	86	89	821369	806831	<0.2	1.0			<0.2	1.1
											1.0	0.1	224	20.8	20.8	8.1	8.1	29.5	29.5	90.2	90.2	6.8	6.8	6.4	6	86	87	<0.2	1.0						
											4.1	0.1	106	20.6	20.6	8.1	8.1	30.6	30.6	90.4	90.4	6.8	6.8	8.9	5	87	90	<0.2	1.1						
Middle	4.1	0.1	107	20.6						20.6	8.1	8.1	30.6	30.6	90.4	90.4	6.8	6.8	8.4	5	87	92	<0.2	1.2											
	7.1	0.1</																																	

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

Water Quality Monitoring Results on 09 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)		Coordinate HK Grid (Easting)		Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			
IM9	Cloudy	Calm	12:07	7.5	Surface	1.0	0.1	106	20.9	20.9	7.9	7.9	30.0	30.0	87.4	87.6	6.6	6.6	4.4	4.8	5	6	87	89	89	822098	808823	<0.2	1.4	<0.2	1.3							
						1.0	0.1	114	20.9	20.9	7.9	7.9	30.0	30.0	87.7	87.6	6.6	6.6	4.5	4.8	6	6	87	89	89	822098	808823	<0.2	1.4	<0.2	1.3	<0.2	1.4					
						3.8	0.1	93	20.5	20.5	7.9	7.9	31.3	31.3	87.1	87.1	6.5	6.5	4.4	4.8	6	6	89	89	89	822098	808823	<0.2	1.4	<0.2	1.3	<0.2	1.4					
					Middle	3.8	0.1	98	20.5	20.5	7.9	7.9	31.4	31.3	87.1	87.1	6.5	6.5	4.5	4.8	6	6	89	89	89	822098	808823	<0.2	1.4	<0.2	1.3	<0.2	1.4					
						6.5	0.1	78	20.3	20.3	7.9	7.9	32.1	32.1	87.0	87.1	6.5	6.5	5.5	6.5	5	5	92	92	92	822098	808823	<0.2	1.4	<0.2	1.3	<0.2	1.4					
						6.5	0.1	84	20.3	20.3	7.9	7.9	32.1	32.1	87.1	87.1	6.5	6.5	5.6	6.5	5	5	92	92	92	822098	808823	<0.2	1.4	<0.2	1.3	<0.2	1.4					
					IM10	Cloudy	Moderate	12:00	7.3	Surface	1.0	0.3	82	20.7	20.7	7.9	7.9	30.5	30.6	85.1	85.0	6.4	6.4	4.2	6.1	6	6	87	89	89	822383	809816	<0.2	1.3	<0.2	1.4		
											1.0	0.3	84	20.7	20.7	7.9	7.9	30.8	30.6	84.9	84.4	6.4	6.4	4.4	6.1	7	6	87	89	89	822383	809816	<0.2	1.4	<0.2	1.4		
											3.7	0.3	91	20.4	20.4	7.9	7.9	31.7	31.7	84.3	84.4	6.3	6.3	5.7	6.1	6	6	89	89	89	822383	809816	<0.2	1.4	<0.2	1.3	<0.2	1.4
Middle	3.7	0.3	91	20.4						20.4	7.9	7.9	31.7	31.7	84.4	84.3	6.3	6.3	6.0	6.1	5	5	89	89	89	822383	809816	<0.2	1.3	<0.2	1.3	<0.2	1.4					
	6.3	0.2	80	20.4						20.4	7.9	7.9	31.8	31.8	84.9	84.9	6.4	6.4	8.1	6.4	5	5	91	91	91	822383	809816	<0.2	1.3	<0.2	1.3	<0.2	1.4					
	6.3	0.2	81	20.4						20.4	7.9	7.9	31.8	31.8	84.9	84.9	6.4	6.4	8.0	6.4	6	6	91	91	91	822383	809816	<0.2	1.3	<0.2	1.4	<0.2	1.4					
IM11	Cloudy	Calm	11:48	8.1						Surface	1.0	0.4	75	21.0	21.0	7.9	7.9	29.7	29.8	86.8	86.4	6.5	6.5	3.8	4.9	7	6	85	88	88	822039	811455	<0.2	1.4	<0.2	1.5		
											1.0	0.4	75	20.9	20.9	7.9	7.9	29.9	29.8	85.9	86.4	6.4	6.4	4.0	4.9	6	6	87	88	88	822039	811455	<0.2	1.4	<0.2	1.4	<0.2	1.5
											4.1	0.2	79	20.4	20.4	7.9	7.9	32.0	32.0	82.4	82.3	6.2	6.2	3.9	6.1	6	6	88	88	88	822039	811455	<0.2	1.4	<0.2	1.4	<0.2	1.5
					Middle	4.1	0.3	82	20.4	20.4	7.9	7.9	32.0	32.0	82.2	82.3	6.2	6.2	4.0	6.1	5	5	88	88	88	822039	811455	<0.2	1.3	<0.2	1.3	<0.2	1.4					
						7.1	0.2	79	20.4	20.4	7.9	7.9	32.1	32.1	82.7	82.9	6.2	6.2	7.0	6.2	6	6	91	91	91	822039	811455	<0.2	1.3	<0.2	1.3	<0.2	1.4					
						7.1	0.2	79	20.4	20.4	7.9	7.9	32.1	32.1	83.0	82.9	6.2	6.2	7.0	6.2	6	6	91	91	91	822039	811455	<0.2	1.3	<0.2	1.3	<0.2	1.4					
					IM12	Cloudy	Calm	11:41	9.6	Surface	1.0	0.3	91	20.6	20.6	7.9	7.9	31.0	31.0	85.3	85.2	6.4	6.4	4.2	4.4	8	8	86	89	89	821450	812053	<0.2	0.8	<0.2	0.9		
											1.0	0.3	99	20.6	20.6	7.9	7.9	31.0	31.0	85.1	85.2	6.4	6.4	4.1	4.4	8	8	87	89	89	821450	812053	<0.2	0.8	<0.2	0.8		
											4.8	0.2	88	20.4	20.4	7.9	7.9	32.1	32.1	82.8	82.7	6.2	6.2	4.0	6.1	12	8	89	89	89	821450	812053	<0.2	0.8	<0.2	0.8		
Middle	4.8	0.2	90	20.4						20.4	7.9	7.9	32.1	32.1	82.6	82.7	6.2	6.2	4.2	6.1	11	8	89	89	89	821450	812053	<0.2	0.8	<0.2	0.8							
	8.6	0.1	67	20.4						20.4	7.9	7.9	32.1	32.1	82.9	83.1	6.2	6.2	4.8	6.2	2	2	91	91	91	821450	812053	<0.2	0.8	<0.2	0.7							
	8.6	0.2	73	20.4						20.4	7.9	7.9	32.1	32.1	83.2	83.1	6.2	6.2	4.8	6.2	4	4	90	90	90	821450	812053	<0.2	0.8	<0.2	0.7							
SR1A	Cloudy	Calm	11:09	5.2						Surface	1.0	-	-	20.4	20.4	7.9	7.9	31.9	31.9	82.0	82.1	6.1	6.1	4.1	5.8	5	5	-	-	-	819973	812658	-	-	-	-		
											1.0	-	-	20.4	20.4	7.9	7.9	31.9	31.9	82.1	82.1	6.1	6.1	4.2	5.8	5	5	-	5	-	-	-	819973	812658	-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819973	812658	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819973	812658	-	-	-	-				
						4.2	-	-	20.4	20.4	7.9	7.9	32.0	32.0	82.2	82.3	6.1	6.2	7.6	6.2	5	5	-	-	-	-	-	-	819973	812658	-	-	-	-				
						4.2	-	-	20.4	20.4	7.9	7.9	32.0	32.0	82.3	82.3	6.1	6.2	7.3	6.2	6	6	-	-	-	-	-	-	819973	812658	-	-	-	-				
					SR2	Cloudy	Calm	10:51	4.8	Surface	1.0	0.1	62	20.5	20.5	7.9	7.9	32.1	32.1	84.1	84.1	6.3	6.3	3.5	3.3	4	4	86	87	88	821467	814169	<0.2	0.8	<0.2	0.8		
											1.0	0.1	67	20.5	20.5	7.9	7.9	32.1	32.1	84.1	84.1	6.3	6.3	3.5	3.3	3	4	87	87	88	821467	814169	<0.2	0.8	<0.2	0.8		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821467	814169	<0.2	0.8	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821467	814169	<0.2	0.8	<0.2	0.8				
	3.8	0.1	47	20.5						20.5	7.9	7.9	32.1	32.1	84.7	84.9	6.3	6.3	3.2	6.3	5	5	89	89	89	821467	814169	<0.2	0.8	<0.2	0.8							
	3.8	0.1	51	20.5						20.5	7.9	7.9	32.1	32.1	85.0	84.9	6.3	6.3	3.1	6.3	4	4	90	90	90	821467	814169	<0.2	0.8	<0.2	0.8							
SR3	Cloudy	Calm	12:17	9.4						Surface	1.0	0.2	152	21.0	21.0	7.9	7.9	29.9	30.1	87.1	87.0	6.5	6.5	4.1	6.2	5	5	-	-	-	822162	807561	-	-	-	-		
											1.0	0.2	157	20.9	20.9	7.9	7.9	30.3	30.1	86.8	87.0	6.5	6.5	4.2	6.2	4	5	-	-	-	822162	807561	-	-	-	-		
											4.7	0.2	145	20.5	20.5	7.9	7.9	31.5	31.6	87.2	87.3	6.5	6.5	5.5	6.2	5	5	-	-	-	822162	807561	-	-	-	-		
					Middle	4.7	0.2	155	20.5	20.5	7.9	7.9	31.6	31.6	87.4	87.3	6.5	6.5	5.8	6.2	4	5	-	-	-	822162	807561	-	-	-	-							
						8.4	0.1	180	20.4	20.4	7.9	7.9	32.1	32.1	88.2	88.2	6.6	6.6	8.6	6.6	6	6	-	-	-	822162	807561	-	-	-	-							
						8.4	0.1	184	20.4	20.4	7.9	7.9	32.2	32.1	88.2	88.2	6.6	6.6	8.7	6.6	5	5	-	-	-	822162	807561	-	-	-	-							
					SR4A	Cloudy	Moderate	11:03	9.1	Surface	1.0	0.2	74	20.6	20.6	8.1	8.1	30.9	30.9	91.9	91.9	6.9	6.9	5.5	7.3	9	8	-	-	-	817206	807793	-	-	-	-		
											1.0	0.2	81	20.6	20.6	8.1	8.1	30.9	30.9	91.9	91.9	6.9	6.9	5.5	7.3	8	8	-	-	-	817206	807793	-	-	-	-		
											4.6	0.2	71	20.5	20.5	8.1	8.1	31.1	31.1	90.8	90.8	6.8	6.8	7.9	7.													

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	15:05	8.4	Surface	1.0	0.3	50	20.8	8.1	8.1	30.9	30.9	94.0	93.9	7.1	7.1	4.2	4	86	88	88	88	815638	804238	<0.2	0.8	<0.2	0.8						
						1.0	0.3	51	20.7	8.1	8.1	30.9	30.9	93.7	93.7	7.1	7.1	4.3	4	87	87	88	88			<0.2	0.8								
					Middle	4.2	0.3	55	20.6	8.1	8.1	31.2	31.3	91.9	91.8	6.9	6.9	5.9	7.1	4	4	88	88			88	88	<0.2	0.9	<0.2	0.8				
						4.2	0.4	58	20.6	8.1	8.1	31.3	31.6	91.6	91.6	6.9	6.9	6.1	7.1	3	4	87	87			88	88	<0.2	0.8	<0.2	0.8				
					Bottom	7.4	0.3	42	20.6	8.1	8.1	31.7	31.6	89.6	89.4	6.8	6.8	11.1	6.8	4	4	90	90			88	88	<0.2	0.8	<0.2	0.8				
						7.4	0.3	46	20.6	8.1	8.1	31.6	31.6	89.1	89.1	6.7	6.7	11.1	6.7	5	4	90	90			88	88	<0.2	0.8	<0.2	0.8				
C2	Cloudy	Moderate	13:58	11.9	Surface	1.0	0.1	221	21.1	7.9	7.9	28.6	28.7	91.8	91.8	6.9	6.9	3.6	4	84	84	88	88	825663	806931	<0.2	1.5	<0.2	1.4						
						1.0	0.1	234	21.1	7.9	7.9	28.7	28.7	91.7	91.7	6.9	6.9	3.6	4	84	84	88	88			<0.2	1.6	<0.2	1.6						
					Middle	6.0	0.1	214	20.4	8.0	8.0	31.8	31.9	88.6	88.5	6.6	6.6	4.6	4.4	6	6	88	88			88	88	<0.2	1.8	<0.2	1.8				
						6.0	0.1	228	20.4	8.0	8.0	31.9	32.1	88.4	88.2	6.6	6.6	4.5	4.4	7	6	88	88			88	88	<0.2	1.6	<0.2	1.6				
					Bottom	10.9	0.2	34	20.4	8.0	8.0	32.1	32.1	88.2	88.2	6.6	6.6	5.2	6.6	7	6	92	92			88	88	<0.2	1.8	<0.2	1.8				
						10.9	0.2	35	20.4	8.0	8.0	32.1	32.1	88.2	88.2	6.6	6.6	5.0	6.6	6	6	92	92			88	88	<0.2	1.7	<0.2	1.7				
C3	Cloudy	Moderate	16:03	12.0	Surface	1.0	0.4	286	20.3	7.9	7.9	33.2	33.2	82.4	82.4	6.1	6.1	1.9	2	86	86	88	88	822128	817788	<0.2	1.8	<0.2	1.8						
						1.0	0.4	292	20.3	7.9	7.9	33.2	33.2	82.4	82.4	6.1	6.1	1.9	3	88	88	88	88			<0.2	1.8	<0.2	1.8						
					Middle	6.0	0.4	271	20.3	7.9	7.9	33.3	33.3	82.4	82.4	6.1	6.1	1.9	1.9	3	3	88	88			88	88	<0.2	1.7	<0.2	1.7				
						6.0	0.4	291	20.3	7.9	7.9	33.3	33.3	82.3	82.3	6.1	6.1	1.9	3	88	88	88	88			<0.2	1.8	<0.2	1.8						
					Bottom	11.0	0.2	294	20.3	7.9	7.9	33.3	33.2	82.4	82.5	6.1	6.1	1.9	4	90	90	88	88			<0.2	1.8	<0.2	1.8						
						11.0	0.2	295	20.3	7.9	7.9	33.2	33.2	82.5	82.5	6.1	6.1	1.9	4	90	90	88	88			<0.2	1.8	<0.2	1.8						
IM1	Cloudy	Moderate	14:44	5.4	Surface	1.0	0.1	300	20.9	8.1	8.1	31.6	31.6	89.4	89.3	6.7	6.7	14.5	4	88	88	90	90	817944	807129	<0.2	0.7	<0.2	0.7						
						1.0	0.1	311	20.9	8.1	8.1	31.6	31.6	89.2	89.2	6.7	6.7	14.6	5	89	89	90	90			<0.2	0.7	<0.2	0.7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-
					Bottom	4.4	0.1	45	20.9	8.1	8.1	31.6	31.6	89.2	89.5	6.7	6.7	15.4	5	91	91	88	88			<0.2	0.8	<0.2	0.8						
						4.4	0.1	48	20.9	8.1	8.1	31.6	31.6	89.8	89.8	6.7	6.7	15.3	6	92	92	88	88			<0.2	0.8	<0.2	0.8						
IM2	Cloudy	Moderate	14:36	7.6	Surface	1.0	0.1	316	20.9	8.1	8.1	31.3	31.3	94.1	94.1	7.1	7.1	4.0	4	86	86	88	88	818156	806157	<0.2	0.8	<0.2	1.0						
						1.0	0.1	337	20.9	8.1	8.1	31.3	31.3	94.0	94.0	7.1	7.1	4.3	4	86	86	88	88			<0.2	0.8	<0.2	1.0						
					Middle	3.8	0.1	322	20.9	8.1	8.1	31.8	31.8	92.2	92.2	6.9	6.9	6.7	5.9	7	5	87	87			88	88	<0.2	0.8	<0.2	0.8				
						3.8	0.1	341	20.8	8.1	8.1	31.8	31.8	92.1	92.1	6.9	6.9	6.8	5.9	5	5	88	88			88	88	<0.2	0.8	<0.2	0.8				
					Bottom	6.6	0.3	38	20.8	8.1	8.1	31.9	31.8	91.5	91.9	6.9	6.9	6.8	6.9	5	5	90	90			88	88	<0.2	0.9	<0.2	0.9				
						6.6	0.3	38	20.8	8.1	8.1	31.8	31.8	92.2	92.2	6.9	6.9	7.0	6.9	6	6	90	90			88	88	<0.2	0.9	<0.2	0.9				
IM3	Cloudy	Moderate	14:30	6.8	Surface	1.0	0.1	325	20.9	8.1	8.1	31.0	31.0	94.5	94.5	7.1	7.1	4.0	4	86	86	88	88	818768	805617	<0.2	1.0	<0.2	0.9						
						1.0	0.1	342	20.9	8.1	8.1	31.1	31.0	94.4	94.4	7.1	7.1	4.1	4	85	85	88	88			<0.2	0.9	<0.2	0.9						
					Middle	3.4	0.2	344	20.9	8.1	8.1	31.5	31.5	93.4	93.3	7.0	7.0	5.1	6.0	5	4	88	88			88	88	<0.2	0.8	<0.2	0.8				
						3.4	0.2	348	20.9	8.1	8.1	31.5	31.5	93.2	93.2	7.0	7.0	5.2	6.0	4	4	90	90			88	88	<0.2	0.8	<0.2	0.8				
					Bottom	5.8	0.2	45	20.8	8.1	8.1	31.9	31.8	91.8	91.9	6.9	6.9	8.8	6.9	5	5	91	91			88	88	<0.2	0.8	<0.2	0.8				
						5.8	0.2	46	20.8	8.1	8.1	31.8	31.8	91.9	91.9	6.9	6.9	8.7	6.9	4	4	89	89			88	88	<0.2	0.8	<0.2	0.8				
IM4	Cloudy	Moderate	14:21	7.3	Surface	1.0	0.1	325	21.0	8.1	8.1	30.8	30.8	94.7	94.7	7.1	7.1	4.7	4	85	85	88	88	819711	804619	<0.2	0.6	<0.2	0.7						
						1.0	0.1	356	21.0	8.1	8.1	30.8	30.8	94.6	94.6	7.1	7.1	4.8	3	85	85	88	88			<0.2	0.7	<0.2	0.7						
					Middle	3.7	0.2	23	20.9	8.1	8.1	31.5	31.5	92.9	92.9	7.0	7.0	6.5	6.0	4	4	88	88			88	88	<0.2	0.7	<0.2	0.7				
						3.7	0.2	24	20.9	8.1	8.1	31.5	31.5	92.9	92.9	7.0	7.0	6.6	6.0	4	4	89	89			88	88	<0.2	0.7	<0.2	0.7				
					Bottom	6.3	0.2	39	20.9	8.1	8.1	31.3	31.3	93.1	93.1	7.0	7.0	6.9	7.0	4	4	90	90			88	88	<0.2	0.6	<0.2	0.6				
						6.3	0.2	42	20.9	8.1	8.1	31.3	31.3	93.1	93.1	7.0	7.0	6.9	7.0	3	3	90	90			88	88	<0.2	0.7	<0.2	0.7				
IM5	Cloudy	Moderate	14:13	7.2	Surface	1.0	0.1	341	21.0	8.1	8.1	30.6	30.6	94.0	94.1	7.1	7.1	5.2	4	85	85	88	88	820738	804843	<0.2	0.9	<0.2	0.9						
						1.0	0.1	349	21.0	8.1	8.1	30.7	30.6	94.2	94.2	7.1	7.1	5.2	5	85	85	88	88			<0.2	0.9	<0.2	0.9						
					Middle	3.6	0.1	347	20.9	8.1	8.1	31.0	31.1	94.7	94.7	7.1	7.1	5.4	5.7	5	5	87	87			88	88	<0.2	0.9	<0.2	0.9				
						3.6	0.1	319	20.9	8.1	8.1	31.2	31.1	94.7	94.7	7.1	7.1	5.6	5.7	5	5	89	89			88	88	<0.2	0.9	<0.2	0.9				
					Bottom	6.2	0.1	32	20.8	8.1	8.1	31.7	31.7	94.4	94.4	7.1	7.1	6.4	7.1	4	4	90	90			88	88	<0.2	0.9	<0.2	0.9				
						6.2	0.1	33	20.8	8.1	8.1	31.7	31.7	94.4	94.4	7.1	7.1	6.4	7.1	5	5	90	90			88	88	<0.2	0.9	<0.2	0.9				
IM6	Cloudy	Moderate	14:06	6.7	Surface	1.0	0.0	217	20.8	8.1	8.1	30.2	30.3	91.5	91.5	6.9	6.9	5.9	5	86	86	88	88	821053	805832	<0.2	0.9	<0.2	0.8						
						1.0	0.0	222	20.8	8.1	8.1	30.4	30.3	91.4	91.4	6.9	6																		

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

Water Quality Monitoring Results on 09 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	14:28	7.2	Surface	1.0	0.3	236	20.3	7.9	7.9	33.3	33.3	82.4	82.4	6.1	6.1	2.0	2.0	4	85	88	88	88	822107	808795	<0.2	1.8	<0.2	1.9		
						1.0	0.3	256	20.3	7.9	7.9	33.3	33.3	82.4	82.4	6.1	6.1	2.0	2.0	3	85	88	88	88								
					Middle	3.6	0.2	246	20.2	7.9	7.9	33.3	33.3	82.6	82.6	6.2	6.2	2.0	2.0	3	88	90	90	90			<0.2	1.7	<0.2	1.9		
						3.6	0.3	252	20.2	7.9	7.9	33.3	33.3	82.7	82.7	6.2	6.2	2.0	2.0	3	89	92	92	92			<0.2	1.8	<0.2	1.8		
					Bottom	6.2	0.1	221	20.3	7.9	7.9	33.3	33.3	82.6	82.6	6.1	6.1	1.9	1.9	4	89	90	90	90			<0.2	2.0	<0.2	1.8		
						6.2	0.1	239	20.3	7.9	7.9	33.3	33.3	82.6	82.6	6.1	6.1	1.9	1.9	3	90	92	92	92			<0.2	1.8	<0.2	1.8		
IM10	Cloudy	Moderate	14:35	7.0	Surface	1.0	0.4	287	20.3	7.9	7.9	33.3	33.3	82.7	82.7	6.2	6.1	1.9	3	87	90	90	90	822381	809810	<0.2	1.9	<0.2	2.0			
						1.0	0.4	300	20.3	7.9	7.9	33.3	33.3	82.6	82.6	6.1	6.1	1.9	2	86	90	90	90									
					Middle	3.5	0.3	291	20.3	7.9	7.9	33.3	33.3	82.6	82.6	6.1	6.1	2.0	3	90	92	92	92			<0.2	1.7	<0.2	1.8			
						3.5	0.3	319	20.3	7.9	7.9	33.3	33.3	82.6	82.6	6.1	6.1	2.0	3	90	92	92	92			<0.2	1.7	<0.2	1.8			
					Bottom	6.0	0.3	304	20.2	7.9	7.9	33.3	33.3	82.5	82.5	6.1	6.1	1.9	3	92	93	93	93			<0.2	1.8	<0.2	1.8			
						6.0	0.3	319	20.3	7.9	7.9	33.3	33.3	82.6	82.6	6.1	6.1	1.9	3	93	93	93	93			<0.2	1.8	<0.2	1.8			
IM11	Cloudy	Moderate	14:45	8.0	Surface	1.0	0.4	288	20.3	7.9	7.9	33.3	33.3	82.5	82.5	6.1	6.1	1.8	4	86	91	91	91	822078	811451	<0.2	1.9	<0.2	1.8			
						1.0	0.4	289	20.3	7.9	7.9	33.3	33.3	82.5	82.5	6.1	6.1	1.9	4	87	91	91	91									
					Middle	4.0	0.4	275	20.3	7.9	7.9	33.3	33.3	82.3	82.3	6.1	6.1	1.9	4	91	92	92	92			<0.2	1.8	<0.2	1.8			
						4.0	0.4	284	20.3	7.9	7.9	33.3	33.3	82.3	82.3	6.1	6.1	1.9	4	90	92	92	92			<0.2	1.8	<0.2	1.8			
					Bottom	7.0	0.3	279	20.3	7.9	7.9	33.3	33.3	82.2	82.2	6.1	6.1	1.9	5	92	93	93	93			<0.2	1.7	<0.2	1.8			
						7.0	0.3	292	20.3	7.9	7.9	33.3	33.3	82.2	82.2	6.1	6.1	2.0	3	93	93	93	93			<0.2	1.8	<0.2	1.8			
IM12	Cloudy	Moderate	14:52	9.2	Surface	1.0	0.4	273	20.3	7.9	7.9	33.2	33.2	82.6	82.6	6.1	6.1	1.8	3	86	92	92	92	821459	812048	<0.2	1.9	<0.2	1.8			
						1.0	0.4	276	20.3	7.9	7.9	33.2	33.2	82.6	82.6	6.1	6.1	1.9	4	87	92	92	92									
					Middle	4.6	0.3	285	20.2	7.9	7.9	33.3	33.3	81.9	82.0	6.1	6.1	2.0	4	92	93	93	93			<0.2	2.0	<0.2	1.9			
						4.6	0.3	309	20.2	7.9	7.9	33.3	33.3	82.1	82.1	6.1	6.1	2.0	4	91	93	93	93			<0.2	1.7	<0.2	1.8			
					Bottom	8.2	0.3	265	20.3	7.9	7.9	33.3	33.3	82.4	82.5	6.1	6.1	1.9	5	93	93	93	93			<0.2	2.0	<0.2	2.0			
						8.2	0.3	266	20.3	7.9	7.9	33.3	33.3	82.5	82.5	6.1	6.1	1.9	4	93	93	93	93			<0.2	1.8	<0.2	1.8			
SR1A	Cloudy	Calm	15:25	4.1	Surface	1.0	-	-	20.3	7.9	7.9	33.3	33.3	83.0	83.0	6.2	6.2	1.9	3	-	-	-	-	819971	812656	-	-	-	-			
						1.0	-	-	20.3	7.9	7.9	33.3	33.3	83.0	83.0	6.2	6.2	1.9	3	-	-	-	-									
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.1	-	-	20.3	7.9	7.9	33.3	33.3	82.9	82.9	6.2	6.2	1.9	3	-	-	-	-			-	-	-	-	-	-	-
						3.1	-	-	20.3	7.9	7.9	33.3	33.3	82.8	82.8	6.2	6.2	1.9	2	-	-	-	-			-	-	-	-	-	-	-
SR2	Cloudy	Calm	15:45	4.8	Surface	1.0	0.0	56	20.3	7.9	7.9	33.2	33.2	82.8	82.8	6.2	6.2	1.8	4	85	88	88	88	821468	814165	<0.2	1.8	<0.2	1.9			
						1.0	0.0	59	20.3	7.9	7.9	33.2	33.2	82.8	82.8	6.2	6.2	1.8	3	84	88	88	88									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.8	0.0	47	20.3	7.9	7.9	33.2	33.2	82.9	83.0	6.2	6.2	1.9	4	89	90	90	90			<0.2	1.8	<0.2	1.8			
						3.8	0.0	49	20.3	7.9	7.9	33.2	33.2	83.0	83.0	6.2	6.2	1.9	5	89	90	90	90			<0.2	1.7	<0.2	1.7			
SR3	Cloudy	Moderate	14:15	9.2	Surface	1.0	0.2	276	20.3	7.9	7.9	33.3	33.3	83.1	83.1	6.2	6.2	1.9	5	-	-	-	-	822140	807559	-	-	-	-			
						1.0	0.2	281	20.3	7.9	7.9	33.3	33.3	83.1	83.1	6.2	6.2	2.0	4	-	-	-	-									
					Middle	4.6	0.1	283	20.2	7.9	7.9	33.3	33.3	83.5	83.6	6.2	6.2	2.0	5	-	-	-	-			-	-	-	-	-	-	
						4.6	0.1	294	20.2	8.0	8.0	33.3	33.3	83.6	83.6	6.2	6.2	2.0	4	-	-	-	-			-	-	-	-	-	-	
					Bottom	8.2	0.1	342	20.2	8.0	8.0	33.3	33.3	84.1	84.2	6.3	6.3	1.9	5	-	-	-	-			-	-	-	-	-	-	
						8.2	0.1	351	20.2	8.0	8.0	33.3	33.3	84.2	84.2	6.3	6.3	1.9	5	-	-	-	-			-	-	-	-	-	-	
SR4A	Cloudy	Moderate	15:26	8.6	Surface	1.0	0.1	211	20.7	8.1	8.1	31.3	31.3	91.2	91.1	6.9	6.8	7.2	4	-	-	-	-	817199	807789	-	-	-	-			
						1.0	0.1	228	20.7	8.1	8.1	31.3	31.3	90.9	90.9	6.8	6.8	7.0	5	-	-	-	-									
					Middle	4.3	0.1	238	20.7	8.1	8.1	31.4	31.4	89.1	89.0	6.7	6.7	8.1	4	-	-	-	-			-	-	-	-	-		
						4.3	0.1	238	20.7	8.1	8.1	31.4	31.4	88.8	88.8	6.7	6.7	8.1	4	-	-	-	-			-	-	-	-	-		
					Bottom	7.6	0.1	143	20.7	8.1	8.1	31.4	31.4	86.8	86.6	6.5	6.5	8.9	3	-	-	-	-			-	-	-	-	-	-	
						7.6	0.1	150	20.7	8.1	8.1	31.4	31.4	86.3	86.3	6.5	6.5	9.0	4	-	-	-	-			-	-	-	-	-	-	
SR5A	Cloudy	Moderate	15:42	3.6	Surface	1.0	0.0	155	21.2	8.0	8.0	30.6	30.6	89.1	89.0	6.7	6.7	6.1	2	-	-	-	-	816612	810708	-	-	-	-			
						1.0	0.0	164	21.2	8.0	8.0	30.6	30.6	88.9	88.9	6.7	6.7	6.3	2	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
					Bottom	2.6	0.1	189	20.9	8.0	8.0	30.8	30.8	86.6	86.7	6.5	6.5	16.8	3	-	-	-	-			-	-	-	-	-	-	
						2.6	0.1	194	20.9	8.0	8.0	30.8	30.8	86.7	86.7	6.5	6.5	16.9	4	-	-	-	-			-	-	-	-	-	-	
SR6A	Cloudy	Moderate	16:17	5.4	Surface	1.0	0.1	209	20.9	8.1	8.1	29.8	29.8	83.7	83.7	6.3	6.3	13.1	4	-	-	-	-	817954	814761							



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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Fine	Calm	11:51	8.8	Surface	1.0	0.1	269	20.8	20.7	8.2	8.2	30.9	31.1	96.2	95.4	7.2	7.1	3.6	8	87	8	87	88	815633	804232	<0.2	0.8	<0.2	0.9							
						1.0	0.1	291	20.5	20.3	8.2	8.2	31.2	31.6	94.5	93.2	7.1	7.0	3.7	9	87	9	87	88	815633	804232	<0.2	0.9	<0.2	0.9							
						4.4	0.1	113	20.3	20.3	8.2	8.2	31.6	31.6	93.2	93.2	7.0	7.0	6.6	6	87	6	87	88	815633	804232	<0.2	0.9	<0.2	0.9							
					Middle	4.4	0.1	117	20.3	20.3	8.2	8.2	31.6	31.6	93.2	93.2	7.0	7.0	6.7	7	88	7	88	7	89	88	815633	804232	<0.2	0.9	<0.2	0.9					
						7.8	0.0	137	20.3	20.3	8.2	8.2	31.7	31.7	93.5	93.6	7.0	7.0	10.4	7	89	7	89	7	89	88	815633	804232	<0.2	0.9	<0.2	0.9					
						7.8	0.0	147	20.3	20.3	8.2	8.2	31.7	31.7	93.7	93.7	7.0	7.0	10.3	6	89	6	89	6	89	88	815633	804232	<0.2	0.9	<0.2	0.9					
					C2	Fine	Moderate	10:46	12.1	Surface	1.0	0.1	136	21.0	21.0	7.9	7.9	29.1	29.1	89.2	89.2	6.7	6.7	5.1	7	83	7	83	87	825679	806922	<0.2	1.5	<0.2	1.4		
											1.0	0.1	143	21.0	20.7	7.9	7.9	29.1	29.1	89.2	89.2	6.7	6.7	5.1	8	83	8	83	7	87	87	825679	806922	<0.2	1.4	<0.2	1.4
											6.1	0.2	119	20.7	20.7	7.9	7.9	30.4	30.4	89.5	89.5	6.7	6.7	5.7	8	87	8	87	7	87	87	825679	806922	<0.2	0.9	<0.2	0.8
Middle	6.1	0.2	129	20.7						20.7	7.9	7.9	30.4	30.4	89.5	89.5	6.7	6.7	5.7	7	87	7	87	7	89	87	825679	806922	<0.2	0.8	<0.2	0.8					
	11.1	0.2	149	20.6						20.6	8.0	8.0	31.2	31.2	90.7	90.7	6.8	6.8	7.9	9	90	9	90	6	89	88	825679	806922	<0.2	1.4	<0.2	1.4					
	11.1	0.2	153	20.6						20.6	8.0	8.0	31.2	31.2	90.7	90.7	6.8	6.8	7.8	9	89	9	89	6	89	88	825679	806922	<0.2	1.4	<0.2	1.4					
C3	Fine	Moderate	13:36	12.0						Surface	1.0	0.4	34	21.0	21.0	7.9	7.9	32.2	32.2	86.8	86.8	6.4	6.3	3.6	5	84	5	84	88	822095	817826	<0.2	0.8	<0.2	0.8		
											1.0	0.4	37	20.9	20.4	7.9	7.9	32.2	32.2	86.7	86.7	6.4	6.3	3.7	5	85	5	85	5	88	88	822095	817826	<0.2	0.8	<0.2	0.8
											6.0	0.2	39	20.4	20.4	7.9	7.9	32.7	32.7	83.1	83.1	6.2	6.2	4.3	5	88	5	88	5	88	88	822095	817826	<0.2	0.8	<0.2	0.8
					Middle	6.0	0.2	41	20.4	20.4	7.9	7.9	32.7	32.7	83.0	83.0	6.2	6.2	4.2	5	88	5	88	5	88	88	822095	817826	<0.2	0.8	<0.2	0.8					
						11.0	0.2	84	20.3	20.3	8.0	8.0	33.1	33.1	82.4	82.5	6.1	6.1	4.1	6	91	6	91	6	89	88	822095	817826	<0.2	0.8	<0.2	0.8					
						11.0	0.2	88	20.3	20.3	8.0	8.0	33.1	33.1	82.5	82.5	6.1	6.1	4.1	7	90	7	90	6	89	88	822095	817826	<0.2	0.8	<0.2	0.8					
					IM1	Fine	Calm	11:31	5.0	Surface	1.0	0.1	126	20.6	20.6	8.2	8.2	30.7	30.7	94.3	94.2	7.1	7.1	5.6	7	85	7	85	87	817941	807112	<0.2	0.9	<0.2	0.9		
											1.0	0.1	135	20.6	20.6	8.2	8.2	30.7	30.7	94.1	94.1	7.1	7.1	5.5	6	85	6	85	7	89	87	817941	807112	<0.2	0.9	<0.2	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4.0	0.0	125	20.5						20.5	8.1	8.1	30.8	30.8	94.3	94.4	7.1	7.1	20.5	8	89	8	89	7	89	88	817941	807112	<0.2	1.0	<0.2	0.9					
	4.0	0.0	128	20.5						20.5	8.1	8.1	30.8	30.8	94.5	94.5	7.1	7.1	20.4	7	89	7	89	7	89	88	817941	807112	<0.2	0.9	<0.2	0.9					
IM2	Fine	Calm	11:24	7.0						Surface	1.0	0.1	188	20.7	20.7	8.2	8.2	30.7	30.7	94.6	94.6	7.1	7.1	6.4	8	86	8	86	87	818166	806174	<0.2	0.9	<0.2	0.8		
											1.0	0.1	201	20.7	20.7	8.2	8.2	30.8	30.7	94.5	94.6	7.1	7.1	6.5	8	86	8	86	8	89	87	818166	806174	<0.2	0.8	<0.2	0.8
											3.5	0.1	134	20.4	20.4	8.2	8.2	31.2	31.2	92.9	92.8	7.0	7.0	11.6	8	89	8	89	7	87	87	818166	806174	<0.2	1.0	<0.2	0.8
					Middle	3.5	0.1	142	20.4	20.4	8.2	8.2	31.2	31.2	92.7	92.8	7.0	7.0	11.6	7	89	7	89	7	87	87	818166	806174	<0.2	1.0	<0.2	0.8					
						6.0	0.2	95	20.3	20.4	8.2	8.2	31.4	31.3	92.5	92.6	7.0	7.0	14.1	7	87	7	87	7	87	87	818166	806174	<0.2	0.8	<0.2	0.8					
						6.0	0.2	100	20.4	20.4	8.2	8.2	31.3	31.3	92.6	92.6	7.0	7.0	14.0	8	87	8	87	7	87	87	818166	806174	<0.2	0.8	<0.2	0.8					
					IM3	Fine	Calm	11:17	7.2	Surface	1.0	0.1	273	20.7	20.7	8.2	8.2	30.8	30.8	95.1	95.1	7.1	7.1	6.0	4	87	4	87	89	818789	805604	<0.2	0.8	<0.2	0.8		
											1.0	0.1	282	20.7	20.7	8.2	8.2	30.8	30.8	95.1	95.1	7.1	7.1	6.0	6	88	6	88	4	89	89	818789	805604	<0.2	0.8	<0.2	0.8
											3.6	0.0	29	20.4	20.4	8.2	8.2	31.2	31.2	93.1	93.1	7.0	7.0	10.6	4	89	4	89	4	89	89	818789	805604	<0.2	0.9	<0.2	0.9
Middle	3.6	0.0	30	20.4						20.4	8.2	8.2	31.3	31.2	93.1	93.1	7.0	7.0	10.5	8	89	8	89	4	89	89	818789	805604	<0.2	0.9	<0.2	0.9					
	6.2	0.1	51	20.3						20.3	8.2	8.2	31.3	31.3	93.0	93.0	7.0	7.0	12.6	7	89	7	89	7	89	89	818789	805604	<0.2	0.8	<0.2	0.8					
	6.2	0.1	53	20.3						20.3	8.2	8.2	31.3	31.3	93.0	93.0	7.0	7.0	12.6	6	89	6	89	6	89	89	818789	805604	<0.2	0.8	<0.2	0.8					
IM4	Fine	Calm	11:07	8.4						Surface	1.0	0.1	303	20.7	20.7	8.2	8.2	30.8	30.8	94.9	94.9	7.1	7.1	6.1	6	86	6	86	88	819715	804584	<0.2	0.9	<0.2	0.8		
											1.0	0.1	303	20.7	20.7	8.2	8.2	30.8	30.8	94.9	94.9	7.1	7.1	6.1	5	86	5	86	6	89	88	819715	804584	<0.2	0.8	<0.2	0.8
											4.2	0.1	344	20.5	20.5	8.2	8.2	31.0	31.0	93.4	93.4	7.0	7.0	7.9	6	89	6	89	5	89	88	819715	804584	<0.2	0.9	<0.2	0.7
					Middle	4.2	0.1	358	20.5	20.5	8.2	8.2	31.0	31.0	93.4	93.4	7.0	7.0	7.8	5	89	5	89	5	89	88	819715	804584	<0.2	0.7	<0.2	0.8					
						7.4	0.1	27	20.4	20.4	8.2	8.2	31.0	31.0	93.1	93.2	7.0	7.0	18.5	6	90	6	90	5	89	88	819715	804584	<0.2	0.7	<0.2	0.8					
						7.4	0.1	29	20.4	20.4	8.2	8.2	31.0	31.0	93.2	93.2	7.0	7.0	18.5	5	90	5	90	5	89	88	819715	804584	<0.2	0.7	<0.2	0.8					
					IM5	Fine	Calm	10:59	8.0	Surface	1.0	0.2	329	20.8	20.8	8.1	8.1	29.8	29.8	94.0	94.0	7.1	7.1	5.6	6	84	6	84	88	820734	804867	<0.2	0.9	<0.2	0.8		
											1.0	0.2	330	20.8	20.8	8.1	8.1	29.8	29.8	94.0	94.0	7.1	7.1	5.6	6	84	6	84	6	88							

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Fine	Moderate	12:01	7.3	Surface	1.0	0.4	112	21.0	21.0	7.9	7.9	29.9	29.9	90.7	90.7	6.8	6.8	5.4	7	84	87	822092	808820	<0.2	1.2	<0.2	1.3							
						1.0	0.4	117	21.0	21.0	7.9	7.9	29.9	29.9	90.7	90.7	6.8	6.8	5.3	7	83	87	82	87	<0.2	1.3									
						3.7	0.3	112	20.8	20.8	7.9	7.9	30.4	30.4	90.9	91.0	6.8	6.8	6.5	8	88	87	82	87	<0.2	1.3									
					Middle	3.7	0.3	115	20.8	20.8	7.9	7.9	30.4	30.4	91.0	91.0	6.8	6.8	6.6	7	88	87	82	87	<0.2	1.3									
						6.3	0.2	107	20.5	20.5	7.9	7.9	31.5	31.5	90.6	90.6	6.8	6.8	7.6	7	90	87	82	87	<0.2	1.2									
						6.3	0.2	111	20.5	20.5	7.9	7.9	31.5	31.5	90.6	90.6	6.8	6.8	7.3	8	90	87	82	87	<0.2	1.3									
					IM10	Fine	Moderate	12:08	7.7	Surface	1.0	0.5	131	21.2	21.2	7.9	7.9	29.8	29.8	90.3	90.3	6.7	6.7	5.0	9	84			88	822382	809771	<0.2	1.2	<0.2	1.2
											1.0	0.5	142	21.2	21.2	7.9	7.9	29.8	29.8	90.3	90.3	6.7	6.7	5.0	9	83			89	82	89	<0.2	1.2		
											3.9	0.5	130	20.8	20.8	8.0	8.0	30.3	30.3	89.1	89.1	6.7	6.7	4.9	6	89			88	82	89	<0.2	1.3		
Middle	3.9	0.6	137	20.8						20.8	8.0	8.0	30.4	30.3	89.0	89.0	6.7	6.7	5.0	6	89	88	82	89	<0.2	1.2									
	6.7	0.4	126	20.5						20.5	8.0	8.0	31.6	31.6	89.3	89.3	6.7	6.7	6.6	6	90	88	82	89	<0.2	1.2									
	6.7	0.4	129	20.5						20.5	8.0	8.0	31.6	31.6	89.4	89.4	6.7	6.7	6.7	5	90	88	82	89	<0.2	1.2									
IM11	Fine	Moderate	12:19	8.4						Surface	1.0	0.6	76	21.2	21.2	7.9	7.9	29.8	29.8	90.4	90.4	6.8	6.8	4.8	5	84	87	822070	811441	<0.2	1.2	<0.2	1.2		
											1.0	0.6	80	21.2	21.2	7.9	7.9	29.8	29.8	90.3	90.3	6.7	6.7	4.8	4	83	88	82	89	<0.2	1.3				
											4.2	0.4	76	20.6	20.6	8.0	8.0	31.4	31.4	88.2	88.2	6.6	6.6	4.7	5	88	87	82	89	<0.2	1.2				
					Middle	4.2	0.5	81	20.6	20.6	8.0	8.0	31.4	31.4	88.1	88.1	6.6	6.6	4.7	5	89	87	82	89	<0.2	1.3									
						7.4	0.3	71	20.6	20.6	8.0	8.0	31.9	31.9	88.5	88.5	6.6	6.6	5.3	6	90	88	82	89	<0.2	1.1									
						7.4	0.3	76	20.6	20.6	8.0	8.0	31.9	31.9	88.6	88.6	6.6	6.6	5.3	6	90	88	82	89	<0.2	1.1									
					IM12	Fine	Moderate	12:26	9.2	Surface	1.0	0.5	74	21.1	21.1	7.9	7.9	30.0	30.0	90.3	90.3	6.7	6.7	5.0	5	83	87	821469	812034	<0.2	1.1			<0.2	1.2
											1.0	0.5	76	21.1	21.1	7.9	7.9	30.0	30.0	90.3	90.3	6.7	6.7	5.0	6	84	87	82	89	<0.2	1.2				
											4.6	0.4	70	20.8	20.8	8.0	8.0	31.1	31.1	89.2	89.2	6.7	6.7	4.6	6	87	88	82	89	<0.2	1.1				
Middle	4.6	0.4	76	20.8						20.8	8.0	8.0	31.1	31.1	89.2	89.2	6.7	6.7	4.6	6	88	87	82	89	<0.2	1.2									
	8.2	0.2	66	20.6						20.6	8.0	8.0	31.8	31.8	89.4	89.4	6.7	6.7	5.3	7	89	87	82	89	<0.2	1.2									
	8.2	0.2	69	20.6						20.6	8.0	8.0	31.8	31.8	89.4	89.4	6.7	6.7	5.3	7	90	87	82	89	<0.2	1.3									
SR1A	Fine	Calm	13:00	4.4						Surface	1.0	-	-	20.6	20.6	7.9	7.9	31.9	31.9	88.7	88.7	6.6	6.6	6.0	7	-	-	819971	812653	-	-	-	-		
											1.0	-	-	20.6	20.6	7.9	7.9	31.9	31.9	88.7	88.7	6.6	6.6	6.0	6	-	-	81	87	-	-				
											2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.4	-	-	20.6	20.6	7.9	7.9	31.9	31.9	89.6	89.6	6.7	6.7	6.5	7	-	-	-	-	-	-	-	-	-	-					
						3.4	-	-	20.6	20.6	7.9	7.9	31.9	31.9	89.6	89.6	6.7	6.7	6.5	7	-	-	-	-	-	-	-	-	-	-					
					SR2	Fine	Moderate	13:17	4.2	Surface	1.0	0.4	109	21.2	21.2	8.0	8.0	30.2	30.3	91.5	91.4	6.8	6.8	4.2	5	86	87	821459	814149	<0.2	1.1			<0.2	1.2
											1.0	0.4	113	21.2	21.2	8.0	8.0	30.3	30.3	91.3	91.3	6.8	6.8	4.1	5	86	87	82	89	<0.2	1.3				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	3.2	0.3	93	20.8						20.8	8.0	8.0	31.8	31.8	90.5	90.5	6.7	6.7	4.4	4	88	87	82	89	<0.2	1.2									
	3.2	0.3	96	20.8						20.8	8.0	8.0	31.8	31.8	90.5	90.5	6.7	6.7	4.4	3	88	87	82	89	<0.2	1.2									
SR3	Fine	Moderate	11:49	9.2						Surface	1.0	0.1	131	21.0	21.0	7.9	7.9	29.4	29.4	89.0	89.0	6.7	6.7	4.9	6	-	-	822135	807547	-	-	-	-		
											1.0	0.1	137	21.0	21.0	7.9	7.9	29.4	29.4	88.9	88.9	6.7	6.7	4.9	6	-	-	82	89	-	-				
											4.6	0.2	123	20.7	20.7	8.0	8.0	30.4	30.4	90.7	90.8	6.8	6.8	5.4	6	-	-	82	89	-	-				
					Middle	4.6	0.2	134	20.7	20.7	8.0	8.0	30.5	30.4	90.9	90.9	6.8	6.8	5.4	6	-	-	82	89	-	-									
						8.2	0.2	68	20.6	20.6	8.0	8.0	31.6	31.6	91.6	91.6	6.8	6.8	6.5	7	-	-	82	89	-	-									
						8.2	0.2	68	20.6	20.6	8.0	8.0	31.6	31.6	91.5	91.5	6.8	6.8	6.4	6	-	-	82	89	-	-									
					SR4A	Fine	Calm	12:15	8.4	Surface	1.0	0.3	69	20.6	20.6	8.1	8.1	30.7	30.7	93.0	93.0	7.0	7.0	7.2	5	-	-	817196	807786	-	-			-	-
											1.0	0.3	74	20.5	20.5	8.1	8.1	30.8	30.7	92.9	92.9	7.0	7.0	7.2	5	-	-	81	87	-	-				
											4.2	0.2	68	20.5	20.5	8.1	8.1	30.8	30.8	92.8	92.8	7.0	7.0	8.8	4	-	-	82	89	-	-				
Middle	4.2	0.2	74	20.5						20.5	8.1	8.1	30.8	30.8	92.8	92.8	7.0	7.0	8.9	4	-	-	82	89	-	-									
	7.4	0.2	60	20.6						20.6	8.1	8.1	30.8	30.8	93.2	93.3	7.0	7.0	10.6	4	-	-	82	89	-	-									
	7.4	0.2	62	20.6						20.6	8.1	8.1	30.8	30.8	93.4	93.4	7.0	7.0	10.7	5	-	-	82	89	-	-									
SR5A	Fine	Calm	12:32	3.6						Surface	1.0	0.1	312	21.2	21.2	8.1	8.1	30.4	30.4	91.9	91.9	6.8	6.8	6.7	4	-	-	816603	810717	-	-	-	-		
											1.0	0.1	342	21.2	21.2	8.1	8.1	30.4	30.4	91.8	91.8	6.8	6.8	6.7	5	-	-	81	87	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.6	0.0	296	21.1	21.1	8.1	8.1	30.4	30.4	92.2	92.3	6.9	6.9	19.9	7	-	-	82	89	-	-									
						2.6	0.0	301	21.1	21.1	8.1	8.1	30.4	30.4	92.3	92.3	6.9	6.9	19.9	8	-	-	82	89	-	-									
					SR6A	Fine	Calm	13:00	4.0	Surface	1.0	0.0	55	21.3	21.3	8.1	8.1	30.1	30.1	92.9	92.8	6.9	6.9	4.0	5	-	-	817986	814742	-	-			-	-
											1.0	0.0	60	21.3	21.3	8.1	8.1	30.2	30.1	92.6	92.6	6.9	6.9	4.0	6	-	-	81							

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

Water Quality Monitoring Results on 11 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Misty	Calm	07:27	8.4	Surface	1.0	0.5	49	20.2	20.2	8.2	8.2	31.7	31.7	93.0	93.0	7.0	7.0	2.8	8	85	85	<0.2	0.8	87	815616	804256	<0.2	0.8	0.8				
						1.0	0.5	51	20.2	8.2	8.2	31.7	31.7	92.9	92.9	7.0	7.0	3.0	7	85	85	<0.2	0.8											
						4.2	0.5	43	20.2	8.1	8.1	31.8	31.8	91.9	91.9	6.9	6.9	3.5	9	87	87	<0.2	0.9											
					4.2	0.5	43	20.2	8.1	8.1	31.8	31.8	91.8	91.8	6.9	6.9	3.4	8	88	88	<0.2	0.9												
					7.4	0.5	44	20.2	8.1	8.1	31.8	31.8	91.3	91.3	6.9	6.9	4.4	8	88	88	<0.2	0.8												
					7.4	0.5	47	20.2	8.1	8.1	31.8	31.8	91.2	91.2	6.9	6.9	5.0	9	89	89	<0.2	0.8												
C2	Cloudy	Moderate	08:30	12.3	Surface	1.0	0.3	350	20.9	20.9	7.9	7.9	28.6	28.6	85.6	85.6	6.5	6.5	5.5	7	84	84	<0.2	1.4	87	825697	806942	<0.2	1.4	1.6				
						1.0	0.3	322	20.9	7.9	7.9	28.6	28.6	85.6	85.6	6.5	6.5	5.4	7	83	83	<0.2	1.4											
						6.2	0.5	12	20.8	7.9	7.9	29.5	29.5	82.5	82.5	6.2	6.2	6.6	7	87	87	<0.2	1.6											
					6.2	0.5	12	20.8	7.9	7.9	29.5	29.5	82.4	82.4	6.2	6.2	6.6	7	87	87	<0.2	1.5												
					11.3	0.3	10	20.6	7.9	7.9	31.8	31.8	80.8	80.9	6.0	6.0	7.2	7	90	90	<0.2	1.6												
					11.3	0.3	10	20.6	7.9	7.9	31.8	31.8	80.9	80.9	6.0	6.0	7.3	8	89	89	<0.2	1.8												
C3	Cloudy	Moderate	06:22	11.4	Surface	1.0	0.5	236	20.5	20.5	7.9	7.9	32.1	32.1	84.7	84.7	6.3	6.3	3.2	5	84	84	<0.2	0.8	87	822090	817786	<0.2	0.8	0.8				
						1.0	0.5	243	20.5	7.9	7.9	32.1	32.1	84.6	84.6	6.3	6.3	3.2	5	84	84	<0.2	0.8											
						5.7	0.4	236	20.5	7.9	7.9	32.4	32.4	83.0	83.0	6.2	6.2	4.2	4	88	88	<0.2	0.9											
					5.7	0.5	257	20.5	7.9	7.9	32.4	32.4	82.9	82.9	6.2	6.2	4.4	5	87	87	<0.2	0.8												
					10.4	0.4	237	20.4	8.0	8.0	32.7	32.7	82.4	82.4	6.1	6.1	6.5	4	90	90	<0.2	0.7												
					10.4	0.4	239	20.4	8.0	8.0	32.7	32.7	82.4	82.4	6.1	6.1	6.4	5	90	90	<0.2	0.8												
IM1	Misty	Calm	07:47	5.2	Surface	1.0	0.1	6	20.4	20.4	8.1	8.1	30.7	30.7	93.4	93.4	7.0	7.0	6.2	9	83	83	<0.2	0.9	85	817967	807135	<0.2	0.9	0.9				
						1.0	0.1	6	20.4	8.1	8.1	30.8	30.8	93.3	93.3	7.0	7.0	6.1	9	84	84	<0.2	1.0											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					4.2	0.1	342	20.4	8.1	8.1	30.9	30.9	94.1	94.2	7.1	7.1	6.7	9	86	86	<0.2	0.8												
					4.2	0.1	354	20.3	8.1	8.1	30.9	30.9	94.3	94.3	7.1	7.1	6.6	10	87	87	<0.2	0.8												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
IM2	Misty	Calm	07:54	7.0	Surface	1.0	0.3	16	20.5	20.5	8.1	8.1	30.6	30.6	92.6	92.6	7.0	7.0	8.6	7	84	84	<0.2	0.8	87	818158	806162	<0.2	0.8	0.9				
						1.0	0.4	17	20.5	8.1	8.1	30.6	30.6	92.5	92.5	7.0	7.0	8.8	7	85	85	<0.2	0.8											
						3.5	0.3	359	20.5	8.1	8.1	30.6	30.6	92.1	92.1	6.9	6.9	9.7	7	88	88	<0.2	0.8											
					3.5	0.3	332	20.5	8.1	8.1	30.6	30.6	92.1	92.1	6.9	6.9	9.6	8	88	88	<0.2	0.9												
					6.0	0.2	322	20.5	8.1	8.1	30.5	30.5	91.6	91.6	6.9	6.9	10.6	9	89	89	<0.2	0.9												
					6.0	0.2	328	20.5	8.1	8.1	30.5	30.5	91.6	91.6	6.9	6.9	10.6	8	89	89	<0.2	1.0												
IM3	Fine	Calm	08:00	7.2	Surface	1.0	0.3	342	20.6	20.6	8.1	8.1	30.5	30.5	93.3	93.3	7.0	7.0	8.7	11	85	85	<0.2	1.1	87	818763	805604	<0.2	1.1	1.0				
						1.0	0.4	350	20.5	8.1	8.1	30.5	30.5	93.3	93.3	7.0	7.0	8.7	12	85	85	<0.2	1.2											
						3.6	0.3	331	20.5	8.1	8.1	30.5	30.5	93.0	93.0	7.0	7.0	9.6	4	87	87	<0.2	0.9											
					3.6	0.3	344	20.5	8.1	8.1	30.5	30.5	93.0	93.0	7.0	7.0	9.6	3	88	88	<0.2	0.8												
					6.2	0.3	324	20.5	8.1	8.1	30.5	30.5	92.7	92.8	7.0	7.0	10.9	4	90	90	<0.2	0.9												
					6.2	0.3	350	20.5	8.1	8.1	30.5	30.5	92.8	92.8	7.0	7.0	10.8	3	89	89	<0.2	0.8												
IM4	Fine	Calm	08:09	8.2	Surface	1.0	0.5	352	20.6	20.6	8.1	8.1	30.5	30.5	93.9	93.9	7.1	7.1	7.0	5	83	83	<0.2	0.9	87	819744	804613	<0.2	0.9	0.9				
						1.0	0.5	324	20.6	8.1	8.1	30.5	30.5	93.9	93.9	7.1	7.1	7.1	5	84	84	<0.2	0.9											
						4.1	0.4	1	20.5	8.1	8.1	30.6	30.6	93.7	93.7	7.0	7.0	8.9	5	84	84	<0.2	0.9											
					4.1	0.5	1	20.5	8.1	8.1	30.6	30.6	93.6	93.6	7.0	7.0	8.9	6	89	89	<0.2	0.9												
					7.2	0.4	7	20.5	8.1	8.1	30.6	30.6	93.5	93.7	7.0	7.1	9.4	6	90	90	<0.2	0.8												
					7.2	0.4	7	20.5	8.1	8.1	30.6	30.6	93.9	93.9	7.1	7.1	9.7	5	89	89	<0.2	0.9												
IM5	Fine	Calm	08:16	7.8	Surface	1.0	0.7	15	20.6	20.6	8.1	8.1	30.3	30.3	93.3	93.3	7.0	7.0	8.3	8	83	83	<0.2	0.9	87	820723	804854	<0.2	0.9	0.9				
						1.0	0.8	16	20.6	8.1	8.1	30.3	30.3	93.2	93.2	7.0	7.0	8.2	7	83	83	<0.2	0.9											
						3.9	0.7	19	20.6	8.1	8.1	30.3	30.3	93.2	93.2	7.0	7.0	9.3	7	89	89	<0.2	0.9											
					3.9	0.7	19	20.6	8.1	8.1	30.3	30.3	93.2	93.2	7.0	7.0	9.2	8	89	89	<0.2	0.9												
					6.8	0.5	25	20.6	8.1	8.1	30.3	30.3	94.2	94.4	7.1	7.1	10.3	6	89	89	<0.2	0.9												
					6.8	0.5	26	20.6	8.1	8.1	30.4	30.4	94.6	94.6	7.1	7.1	10.4	7	89	89	<0.2	0.9												
IM6	Fine	Calm	08:24	7.4	Surface	1.0	0.1	21	20.8	20.8	8.1	8.1	28.8	28.9	90.9	90.9	6.9	6.9	5.3	7	84	84	<0.2	0.8	87	821049	805842	<0.2	0.8	0.9				
						1.0	0.1	21	20.8	8.1	8.1	28.9	28.9	90.9	90.9	6.9	6.9	5.3	6	84	84	<0.2	0.9											
						3.7	0.1	56	20.7	8.1	8.1	29.1	29.0	90.8	90.9	6.9	6.9	5.6	6	87	87	<0.2	0.8											
					3.7	0.1	57	20.8	8.1	8.1	29.0	29.0	90.9	90.9	6.9	6.9	5.7	7	87	87	<0.2	0.9												
					6.4	0.2	48	20.6	8.1	8.1	30.2	30.2	91.4	91.4	6.9	6.9	7.8	7	89	89	<0.2	0.9												
					6.4	0.2	48	20.6	8.1	8.1	30.2	30.2	91.4	91.4	6.9	6.9	7.8	6	89	89	<0.2	0.9												
IM7	Fine	Calm	08:34	8.8	Surface	1.0	0.2	147	20.9	20.9	8.1	8.1	28.0	28.1	90.1	90.2	6.8	6.8	4.9	7	84	84	<0.2	0.9	88	821340	806853	<0.2	0.9	0.9				
						1.0	0.2	147	20.9	8.1	8.1	28.2	28.1	90.3	90.2	6.8	6.8	5.0	7	88	88	<0.2	1.0											
						4.4	0.2	121	20.6	8.1	8.1	29.6	29.6	90.8	90.8	6.9	6.9	6.3	6	88	88	<0.2	0.8											
					4.4	0.2	128	20.7	8.1	8.1	29.6	29.6	90.8	90.8	6.9	6.9	6.4	7	88	88	<0.2	1.0												
					7.8	0.2	159	20.6	8.1	8.1	30.0	30.0	90.3	90.3	6.8	6.8	10.2	6	89	89	<0.2	0.8												
					7.8	0.2	172	20.6	8.1	8.1	30.0</																							

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

Water Quality Monitoring Results on 11 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA										
IM9	Cloudy	Moderate	07:58	7.4	Surface	1.0	0.2	319	20.7	20.7	7.9	7.9	29.8	29.8	88.0	88.1	6.6	6.6	5.4	5.4	8	8	84	87	87	822085	808792	<0.2	0.9	<0.2	1.0								
						1.0	0.2	328	20.7	20.7	7.9	7.9	29.8	29.8	88.1	88.1	6.6	6.6	5.4	5.4	7	7	83	87				<0.2	1.0										
						3.7	0.1	339	20.7	20.7	8.0	8.0	30.2	30.2	88.3	88.3	6.6	6.6	5.0	5.0	7	7	87	87				<0.2	1.0										
					Middle	3.7	0.1	349	20.7	20.7	8.0	8.0	30.3	30.2	88.3	88.3	6.6	6.6	5.0	5.0	6	6	86	87				<0.2	1.0										
						6.4	0.1	340	20.7	20.7	8.0	8.0	30.5	30.5	88.5	88.5	6.6	6.6	5.8	5.8	7	7	89	89				<0.2	1.0										
						6.4	0.1	313	20.7	20.7	8.0	8.0	30.5	30.5	88.6	88.6	6.6	6.6	5.8	5.8	6	6	90	89				<0.2	0.9										
					IM10	Cloudy	Moderate	07:51	8.3	Surface	1.0	0.5	279	20.5	20.5	7.9	7.9	31.5	31.5	88.6	88.6	6.6	6.6	4.5				4.5	7	7	83	86	86	822388	809790	<0.2	0.9	<0.2	1.0
											1.0	0.5	284	20.5	20.5	7.9	7.9	31.5	31.5	88.6	88.6	6.6	6.6	4.5				4.5	7	7	84	87				<0.2	0.9		
											4.2	0.5	277	20.5	20.5	7.9	7.9	31.5	31.5	88.3	88.3	6.6	6.6	5.1				5.2	7	8	87	86				<0.2	1.0		
Middle	4.2	0.5	288	20.5						20.5	7.9	7.9	31.5	31.5	88.3	88.3	6.6	6.6	5.2	5.2	8	8	86	87	<0.2	1.1													
	7.3	0.5	265	20.5						20.5	8.0	8.0	31.5	31.5	88.0	88.0	6.6	6.6	6.0	6.0	10	10	89	89	<0.2	0.9													
	7.3	0.5	265	20.5						20.5	8.0	8.0	31.5	31.5	88.0	88.0	6.6	6.6	6.1	6.1	9	9	89	89	<0.2	0.9													
IM11	Cloudy	Moderate	07:41	7.5						Surface	1.0	0.4	326	20.5	20.5	7.9	7.9	31.7	31.7	86.7	86.7	6.5	6.5	6.9	6.9	10	10	83	86	86	822042	811478				<0.2	0.8	<0.2	0.9
											1.0	0.4	327	20.5	20.5	7.9	7.9	31.7	31.7	86.6	86.6	6.5	6.5	6.9	6.9	11	11	84	86							<0.2	0.9		
											3.8	0.3	337	20.5	20.5	7.9	7.9	31.8	31.8	86.2	86.2	6.4	6.4	7.9	7.9	11	11	86	87							<0.2	0.9		
					Middle	3.8	0.4	310	20.5	20.5	7.9	7.9	31.8	31.8	86.2	86.2	6.4	6.4	7.9	7.9	11	11	87	89	<0.2	0.9													
						6.5	0.2	354	20.5	20.5	8.0	8.0	31.9	31.9	86.0	86.0	6.4	6.4	7.9	7.9	12	12	89	89	<0.2	0.9													
						6.5	0.3	326	20.5	20.5	8.0	8.0	31.9	31.9	86.0	86.0	6.4	6.4	7.9	7.9	11	11	89	89	<0.2	0.9													
					IM12	Cloudy	Moderate	07:34	8.9	Surface	1.0	0.5	277	20.5	20.5	7.9	7.9	32.0	32.0	86.3	86.3	6.4	6.4	5.8	5.9	8	9	83	87				86	821436	812051	<0.2	0.8	<0.2	0.9
											1.0	0.6	294	20.5	20.5	7.9	7.9	32.0	32.0	86.3	86.3	6.4	6.4	5.9	6.2	9	8	83	86							<0.2	0.9		
											4.5	0.5	277	20.5	20.5	7.9	7.9	32.0	32.0	86.2	86.2	6.4	6.4	6.2	6.1	9	8	87	86							<0.2	0.9		
Middle	4.5	0.5	294	20.5						20.5	7.9	7.9	32.0	32.0	86.2	86.2	6.4	6.4	6.1	6.1	8	8	86	90	<0.2	1.1													
	7.9	0.4	272	20.5						20.5	8.0	8.0	32.0	32.0	86.8	86.8	6.5	6.5	7.7	7.6	8	7	90	89	<0.2	0.9													
	7.9	0.4	294	20.5						20.5	8.0	8.0	32.0	32.0	86.8	86.8	6.5	6.5	7.6	7.6	7	7	89	89	<0.2	1.0													
SR1A	Cloudy	Calm	06:58	4.8						Surface	1.0	-	-	20.4	20.4	8.0	8.0	31.6	31.6	86.7	86.7	6.5	6.5	3.1	3.1	4	4	-	-	-	819977	812662				-	-	-	-
											1.0	-	-	20.4	20.4	8.0	8.0	31.6	31.6	86.6	86.6	6.5	6.5	3.1	3.1	4	4	-	-							-	-		
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-				
						3.8	-	-	20.4	20.4	8.0	8.0	31.7	31.7	86.6	86.6	6.5	6.5	3.6	3.6	4	4	-	-	-	-	-	-	-				-	-					
						3.8	-	-	20.4	20.4	8.0	8.0	31.7	31.7	86.7	86.7	6.5	6.5	3.6	3.6	5	5	-	-	-	-	-	-	-				-						
					SR2	Cloudy	Moderate	06:43	4.4	Surface	1.0	0.1	240	20.5	20.5	7.9	7.9	31.8	31.8	86.7	86.7	6.5	6.5	7.5	7.4	9	10	85	85				86	821460	814183	<0.2	0.9	<0.2	0.8
											1.0	0.1	251	20.5	20.5	7.9	7.9	31.8	31.8	86.7	86.7	6.5	6.5	7.4	7.4	10	9	85	88							<0.2	0.9		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.4	0.1	238	20.5						20.5	8.0	8.0	31.8	31.8	86.8	86.8	6.5	6.5	7.9	7.9	9	9	88	87	<0.2	0.8													
	3.4	0.1	249	20.5						20.5	8.0	8.0	31.8	31.8	86.9	86.9	6.5	6.5	7.9	7.9	9	9	87	87	<0.2	0.9													
SR3	Cloudy	Moderate	08:11	9.3						Surface	1.0	0.0	248	20.8	20.8	7.9	7.9	29.3	29.3	86.7	86.7	6.5	6.5	5.9	5.9	8	8	-	-	-	822167	807553				-	-	-	-
											1.0	0.0	267	20.8	20.8	7.9	7.9	29.3	29.3	86.6	86.6	6.5	6.5	5.9	5.9	8	7	-	-							-	-		
											4.7	0.1	286	20.8	20.8	7.9	7.9	29.5	29.5	85.9	85.9	6.5	6.5	6.6	6.7	7	8	-	-							-	-		
					Middle	4.7	0.1	290	20.8	20.8	7.9	7.9	29.5	29.5	85.9	85.9	6.5	6.5	6.7	6.7	8	7	-	-	-	-	-	-	-				-						
						8.3	0.1	16	20.8	20.8	7.9	7.9	29.6	29.6	86.1	86.1	6.5	6.5	7.9	7.6	6	7	-	-	-	-	-	-	-										
						8.3	0.1	16	20.8	20.8	7.9	7.9	29.6	29.6	86.1	86.1	6.5	6.5	7.6	7.6	7	7	-	-	-	-	-	-											
					SR4A	Misty	Calm	07:04	9.2	Surface	1.0	0.3	77	20.4	20.4	8.1	8.1	30.8	30.8	91.3	91.3	6.9	6.9	5.3	5.3	4	4	-	-				-	817167	807830	-	-	-	-
											1.0	0.3	79	20.4	20.4	8.1	8.1	30.8	30.8	91.3	91.3	6.9	6.9	5.3	5.3	4	4	-	-							-	-		
											4.6	0.3	73	20.3	20.3	8.1	8.1	30.9	30.9	91.4	91.4	6.9	6.9	5.9	5.8	5	4	-	-							-	-		
Middle	4.6	0.3	78	20.3						20.3	8.1	8.1	30.9	30.9	91.4	91.4	6.9	6.9	5.8	5.8	4	7	-	-	-	-	-	-											
	8.2	0.3	63	20.3						20.3	8.1	8.1	31.0	31.0	91.4	91.5	6.9	6.9	8.1	8.1	7	7	-	-	-	-													
	8.2	0.3	64	20.3						20.3	8.1	8.1	31.0	31.0	91.5	91.5	6.9	6.9	8.1	8.1	7	7	-	-	-	-													
SR5A	Misty	Calm	06:45	3.2						Surface	1.0	0.0	343	20.6	20.6	8.1	8.1	30.3	30.3	87.5	87.5	6.6	6.6	3.6	3.7	5	4	-	-	-	816571	810713				-	-	-	-
											1.0	0.0	316	20.6	20.6	8.1	8.1	30.3	30.3	87.5	87.5	6.6	6.6	3.7	3.7	4	4	-	-							-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-						
						2.2	0.0	343	20.6	20.6	8.1	8.1	30.3	30.3	87.5	87.5	6.6	6.6	4.6	4.6	3	4	-	-	-	-													
						2.2	0.0	316	20.6	20.6	8.1	8.1	30.3	30.3	87.5	87.5	6.6	6.6	4.6	4.6	4	4	-	-	-	-													
					SR6A	Misty	Calm	06:18	3.8	Surface	1.0	0.1	254	20																									

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

Water Quality Monitoring Results on 13 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	12:54	8.5	Surface	1.0	0.1	217	21.2	21.2	8.2	8.2	29.9	29.9	96.1	96.1	7.2	7.2	3.6	3.6	13	13	86	86	88	815624	804253	<0.2	1.1	1.1	1.1				
						1.0	0.1	220	21.2	21.2	8.2	8.2	30.0	30.0	96.0	96.0	7.2	7.2	3.6	3.6	13	13	85	85	88	815624	804253	<0.2	1.2	1.2	1.1				
					Middle	4.3	0.1	150	20.9	20.9	8.2	8.2	30.7	30.7	94.1	94.1	7.0	7.0	7.7	7.7	10	10	87	87	88	815624	804253	<0.2	1.1	1.1	1.1	1.1			
						4.3	0.1	150	20.9	20.9	8.2	8.2	30.8	30.7	94.0	94.0	7.0	7.0	7.7	7.7	6	6	88	88	88	815624	804253	<0.2	1.2	1.2	1.1	1.1			
					Bottom	7.5	0.2	222	20.8	20.8	8.1	8.1	31.3	31.3	93.2	93.2	6.9	6.9	13.2	13.2	7	7	90	90	89	815624	804253	<0.2	1.1	1.1	1.1	1.1			
						7.5	0.2	228	20.8	20.8	8.1	8.1	31.3	31.3	93.3	93.3	7.0	7.0	13.7	13.7	6	6	90	90	89	815624	804253	<0.2	1.1	1.1	1.1	1.1			
C2	Fine	Moderate	11:49	12.0	Surface	1.0	0.2	315	21.6	21.6	7.9	7.9	28.8	28.8	90.6	90.6	6.8	6.8	7.6	7.6	10	10	84	84	86	825669	806939	<0.2	2.2	2.2	1.9				
						1.0	0.2	344	21.6	21.6	7.9	7.9	28.8	28.8	90.6	90.6	6.8	6.8	7.6	7.6	9	9	83	83	86	825669	806939	<0.2	2.2	2.2	1.9				
					Middle	6.0	0.3	17	21.5	21.5	7.9	7.9	29.6	29.7	90.6	90.6	6.7	6.7	8.4	8.4	9	9	86	86	86	825669	806939	<0.2	1.9	1.9	1.8	1.8			
						6.0	0.3	17	21.5	21.5	7.9	7.9	29.7	29.7	90.6	90.6	6.7	6.7	8.5	8.5	8	8	86	86	86	825669	806939	<0.2	1.8	1.8	1.8	1.8			
					Bottom	11.0	0.4	28	21.5	21.5	7.9	7.9	30.2	30.2	90.6	90.6	6.7	6.7	9.3	9.3	9	9	89	89	89	825669	806939	<0.2	1.6	1.6	1.6	1.6			
						11.0	0.5	30	21.5	21.5	7.9	7.9	30.2	30.2	90.6	90.6	6.7	6.7	9.5	9.5	8	8	89	89	89	825669	806939	<0.2	1.6	1.6	1.6	1.6			
C3	Fine	Moderate	14:58	12.2	Surface	1.0	0.4	79	21.5	21.5	7.9	7.9	31.1	31.1	88.1	88.0	6.5	6.5	4.4	4.4	6	6	85	85	87	822097	817788	<0.2	1.0	0.9	0.9	0.9			
						1.0	0.4	80	21.5	21.5	7.9	7.9	31.1	31.1	87.9	87.9	6.5	6.5	4.5	4.5	6	6	85	85	87	822097	817788	<0.2	0.9	0.9	0.9	0.9			
					Middle	6.1	0.3	67	21.1	21.1	7.9	7.9	31.6	31.6	86.0	86.0	6.4	6.4	5.2	5.2	8	8	87	87	87	822097	817788	<0.2	1.0	1.0	0.9	0.9			
						6.1	0.4	67	21.1	21.1	7.9	7.9	31.6	31.6	86.0	86.0	6.4	6.4	5.1	5.1	6	6	87	87	87	822097	817788	<0.2	0.9	0.9	0.9	0.9			
					Bottom	11.2	0.3	57	20.9	20.9	7.9	7.9	32.2	32.2	85.3	85.4	6.3	6.3	5.2	5.2	9	9	90	90	89	822097	817788	<0.2	0.9	0.9	0.9	0.9			
						11.2	0.3	57	20.9	20.9	7.9	7.9	32.2	32.2	85.4	85.4	6.3	6.3	5.3	5.3	8	8	90	90	89	822097	817788	<0.2	0.9	0.9	0.9	0.9			
IM1	Fine	Moderate	12:34	5.3	Surface	1.0	0.2	193	21.7	21.7	8.1	8.1	29.5	29.5	93.8	93.8	7.0	7.0	18.9	18.9	20	20	86	86	88	817948	807127	<0.2	1.1	1.0	1.1	1.1			
						1.0	0.2	202	21.7	21.7	8.1	8.1	29.5	29.5	93.7	93.7	7.0	7.0	19.0	19.0	21	21	86	86	88	817948	807127	<0.2	1.0	1.0	1.1	1.1			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.1	192	21.6	21.6	8.1	8.1	29.5	29.5	93.0	93.0	6.9	6.9	19.7	19.7	23	23	89	89	89	817948	807127	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
						4.3	0.1	204	21.6	21.6	8.1	8.1	29.5	29.5	93.0	93.0	6.9	6.9	19.7	19.7	23	23	89	89	89	817948	807127	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IM2	Fine	Moderate	12:26	6.8	Surface	1.0	0.1	213	21.4	21.4	8.1	8.1	29.7	29.7	93.5	93.5	7.0	7.0	6.5	6.5	10	10	87	87	88	818161	806186	<0.2	1.2	1.0	1.2	1.2			
						1.0	0.1	214	21.4	21.4	8.1	8.1	29.7	29.7	93.5	93.5	7.0	7.0	6.5	6.5	9	9	86	86	88	818161	806186	<0.2	1.0	1.0	1.2	1.2			
					Middle	3.4	0.1	159	21.1	21.1	8.1	8.1	30.1	30.1	92.6	92.6	6.9	6.9	8.1	8.1	8	8	88	88	88	818161	806186	<0.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
						3.4	0.1	172	21.1	21.1	8.1	8.1	30.1	30.1	92.6	92.6	6.9	6.9	8.2	8.2	9	9	89	89	89	818161	806186	<0.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
					Bottom	5.8	0.1	101	21.0	21.0	8.1	8.1	30.4	30.4	92.0	92.0	6.9	6.9	10.5	10.5	8	8	90	90	89	818161	806186	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
						5.8	0.1	106	21.0	21.0	8.1	8.1	30.4	30.4	92.0	92.0	6.9	6.9	10.5	10.5	8	8	90	90	89	818161	806186	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IM3	Fine	Moderate	12:18	7.1	Surface	1.0	0.1	222	21.7	21.7	8.1	8.1	29.3	29.3	94.6	94.6	7.0	7.0	6.0	6.0	8	8	86	86	88	818769	805605	<0.2	1.0	1.2	1.1	1.1			
						1.0	0.1	243	21.7	21.7	8.1	8.1	29.4	29.4	94.5	94.5	7.0	7.0	6.1	6.1	8	8	86	86	88	818769	805605	<0.2	1.2	1.2	1.1	1.1			
					Middle	3.6	0.1	64	21.2	21.2	8.1	8.1	29.8	29.9	93.4	93.4	7.0	7.0	9.8	9.8	9	9	88	88	87	818769	805605	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
						3.6	0.1	70	21.2	21.2	8.1	8.1	29.9	29.9	93.3	93.3	7.0	7.0	10.1	10.1	9	9	87	87	87	818769	805605	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
					Bottom	6.1	0.1	105	21.0	21.0	8.1	8.1	30.5	30.5	91.9	91.9	6.9	6.9	14.7	14.7	9	9	90	90	89	818769	805605	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
						6.1	0.2	115	21.0	21.0	8.1	8.1	30.5	30.5	91.9	91.9	6.9	6.9	15.2	15.2	9	9	90	90	89	818769	805605	<0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IM4	Fine	Moderate	12:08	8.4	Surface	1.0	0.2	281	21.5	21.5	8.1	8.1	29.6	29.6	93.8	93.8	7.0	7.0	6.8	6.8	6	6	87	87	88	819737	804618	<0.2	1.3	1.5	1.4	1.4			
						1.0	0.2	302	21.4	21.4	8.1	8.1	29.7	29.7	93.7	93.7	7.0	7.0	6.8	6.8	6	6	87	87	88	819737	804618	<0.2	1.5	1.5	1.4	1.4			
					Middle	4.2	0.0	104	21.0	21.0	8.1	8.1	30.3	30.3	91.9	91.9	6.9	6.9	8.6	8.6	7	7	88	88	87	819737	804618	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
						4.2	0.0	108	21.0	21.0	8.1	8.1	30.3	30.3	91.9	91.9	6.9	6.9	8.7	8.7	6	6	88	88	87	819737	804618	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
					Bottom	7.4	0.1	73	21.0	21.0	8.1	8.1	30.4	30.4	91.3	91.3	6.8	6.8	14.4	14.4	7	7	91	91	89	819737	804618	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
						7.4	0.1	73	21.0	21.0	8.1	8.1	30.4	30.4	91.3	91.3	6.8	6.8	14.4	14.4	8	8	90	90	89										

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

Water Quality Monitoring Results on 13 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	12:22	7.6	Surface	1.0	0.2	77	21.8	21.8	7.9	7.9	28.4	28.4	91.7	91.7	6.8	6.8	6.0	6.0	11	83	86	822109	808818	<0.2	2.2	2.2	2.2		
						1.0	0.2	77	21.8	21.8	7.9	7.9	28.4	28.4	91.7	91.7	6.8	6.8	6.0	6.0	10	83	86	822109	808818	<0.2	2.2	2.2	2.2		
						3.8	0.3	73	21.5	21.5	7.9	7.9	29.8	29.8	91.1	91.1	6.8	6.8	7.6	7.6	9	85	86	822109	808818	<0.2	2.3	2.3	2.3		
					Middle	3.8	0.4	79	21.5	21.5	7.9	7.9	29.8	29.8	91.1	91.1	6.8	6.8	7.6	7.6	10	86	87	822109	808818	<0.2	2.3	2.3	2.3		
						6.6	0.4	69	21.4	21.4	8.0	8.0	30.4	30.4	91.5	91.5	6.8	6.8	9.4	9.4	7	88	88	822109	808818	<0.2	2.2	2.2	2.2		
						6.6	0.4	74	21.4	21.4	8.0	8.0	30.4	30.4	91.5	91.5	6.8	6.8	9.6	9.6	9	88	88	822109	808818	<0.2	2.2	2.2	2.2		
					Bottom	6.6	0.4	74	21.4	21.4	8.0	8.0	30.4	30.4	91.5	91.5	6.8	6.8	9.6	9.6	9	88	88	822109	808818	<0.2	2.2	2.2	2.2		
						6.6	0.4	74	21.4	21.4	8.0	8.0	30.4	30.4	91.5	91.5	6.8	6.8	9.6	9.6	9	88	88	822109	808818	<0.2	2.2	2.2	2.2		
						6.6	0.4	74	21.4	21.4	8.0	8.0	30.4	30.4	91.5	91.5	6.8	6.8	9.6	9.6	9	88	88	822109	808818	<0.2	2.2	2.2	2.2		
IM10	Fine	Moderate	12:30	7.4	Surface	1.0	0.4	86	21.8	21.8	7.9	7.9	28.2	28.2	91.7	91.7	6.8	6.8	5.5	5.5	12	83	86	822380	809799	<0.2	2.5	2.5	2.5		
						1.0	0.4	88	21.8	21.8	7.9	7.9	28.2	28.2	91.7	91.7	6.8	6.8	5.5	5.5	12	83	86	822380	809799	<0.2	2.5	2.5	2.5		
						3.7	0.4	103	21.5	21.5	7.9	7.9	29.8	29.8	90.4	90.4	6.7	6.7	7.0	7.0	13	86	87	822380	809799	<0.2	2.6	2.6	2.6		
					Middle	3.7	0.5	107	21.5	21.5	7.9	7.9	29.8	29.8	90.3	90.3	6.7	6.7	6.9	6.9	14	87	87	822380	809799	<0.2	2.6	2.6	2.6		
						6.4	0.4	109	21.5	21.5	8.0	8.0	30.3	30.3	91.5	91.5	6.8	6.8	9.1	9.1	15	89	89	822380	809799	<0.2	2.7	2.7	2.7		
						6.4	0.4	111	21.5	21.5	8.0	8.0	30.3	30.3	91.6	91.6	6.8	6.8	9.2	9.2	14	88	88	822380	809799	<0.2	2.7	2.7	2.7		
					Bottom	6.4	0.4	109	21.5	21.5	8.0	8.0	30.3	30.3	91.5	91.5	6.8	6.8	9.1	9.1	15	89	89	822380	809799	<0.2	2.7	2.7	2.7		
						6.4	0.4	111	21.5	21.5	8.0	8.0	30.3	30.3	91.6	91.6	6.8	6.8	9.2	9.2	14	88	88	822380	809799	<0.2	2.7	2.7	2.7		
						6.4	0.4	111	21.5	21.5	8.0	8.0	30.3	30.3	91.6	91.6	6.8	6.8	9.2	9.2	14	88	88	822380	809799	<0.2	2.7	2.7	2.7		
IM11	Fine	Moderate	13:34	8.1	Surface	1.0	0.4	105	22.0	22.0	7.9	7.9	28.5	28.5	92.2	92.2	6.8	6.8	5.2	5.2	15	83	86	822034	811455	<0.2	2.2	2.2	2.2		
						1.0	0.5	113	22.0	22.0	7.9	7.9	28.5	28.5	92.1	92.1	6.8	6.8	5.2	5.2	14	83	86	822034	811455	<0.2	2.3	2.3	2.3		
						4.1	0.6	93	21.4	21.4	7.9	7.9	30.4	30.4	88.9	88.9	6.6	6.6	6.9	6.9	12	86	87	822034	811455	<0.2	2.2	2.2	2.2		
					Middle	4.1	0.7	98	21.4	21.4	7.9	7.9	30.4	30.4	88.9	88.9	6.6	6.6	6.9	6.9	13	86	87	822034	811455	<0.2	2.2	2.2	2.2		
						7.1	0.4	95	21.3	21.3	8.0	8.0	30.8	30.8	88.5	88.5	6.6	6.6	8.0	8.0	13	88	88	822034	811455	<0.2	2.7	2.7	2.7		
						7.1	0.4	99	21.3	21.3	8.0	8.0	30.8	30.8	88.6	88.6	6.6	6.6	7.8	7.8	12	89	89	822034	811455	<0.2	2.9	2.9	2.9		
					Bottom	7.1	0.4	95	21.3	21.3	8.0	8.0	30.8	30.8	88.5	88.5	6.6	6.6	8.0	8.0	13	88	88	822034	811455	<0.2	2.7	2.7	2.7		
						7.1	0.4	99	21.3	21.3	8.0	8.0	30.8	30.8	88.6	88.6	6.6	6.6	7.8	7.8	12	89	89	822034	811455	<0.2	2.9	2.9	2.9		
						7.1	0.4	99	21.3	21.3	8.0	8.0	30.8	30.8	88.6	88.6	6.6	6.6	7.8	7.8	12	89	89	822034	811455	<0.2	2.9	2.9	2.9		
IM12	Fine	Moderate	13:41	9.3	Surface	1.0	0.5	110	21.9	21.9	7.9	7.9	28.7	28.7	91.6	91.6	6.8	6.8	5.6	5.6	15	83	86	821470	812066	<0.2	3.1	3.1	3.1		
						1.0	0.5	118	21.9	21.9	7.9	7.9	28.7	28.7	91.4	91.4	6.8	6.8	5.7	5.7	12	83	86	821470	812066	<0.2	3.2	3.2	3.2		
						4.7	0.5	95	21.4	21.4	7.9	7.9	30.3	30.3	88.2	88.2	6.5	6.5	7.1	7.1	19	86	87	821470	812066	<0.2	3.2	3.2	3.2		
					Middle	4.7	0.5	95	21.4	21.4	7.9	7.9	30.3	30.3	88.3	88.3	6.6	6.6	7.1	7.1	15	87	87	821470	812066	<0.2	3.3	3.3	3.3		
						8.3	0.4	79	21.3	21.3	7.9	7.9	30.6	30.6	88.0	88.0	6.5	6.5	7.8	7.8	15	88	88	821470	812066	<0.2	3.1	3.1	3.1		
						8.3	0.4	80	21.3	21.3	7.9	7.9	30.6	30.6	88.1	88.1	6.5	6.5	7.7	7.7	3	89	89	821470	812066	<0.2	3.2	3.2	3.2		
					Bottom	8.3	0.4	80	21.3	21.3	7.9	7.9	30.6	30.6	88.1	88.1	6.5	6.5	7.7	7.7	3	89	89	821470	812066	<0.2	3.2	3.2	3.2		
						8.3	0.4	80	21.3	21.3	7.9	7.9	30.6	30.6	88.1	88.1	6.5	6.5	7.7	7.7	3	89	89	821470	812066	<0.2	3.2	3.2	3.2		
						8.3	0.4	80	21.3	21.3	7.9	7.9	30.6	30.6	88.1	88.1	6.5	6.5	7.7	7.7	3	89	89	821470	812066	<0.2	3.2	3.2	3.2		
SR1A	Fine	Moderate	14:20	5.0	Surface	1.0	-	-	21.7	21.7	8.0	8.0	30.5	30.5	89.0	89.0	6.6	6.6	5.4	5.4	4	-	-	819982	812662	-	-	-	-		
						1.0	-	-	21.7	21.7	8.0	8.0	30.6	30.6	89.0	89.0	6.6	6.6	5.4	5.4	4	-	-	819982	812662	-	-	-	-		
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812662	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812662	-	-	-	-
						4.0	-	-	21.5	21.5	8.0	8.0	30.7	30.7	91.2	91.2	6.7	6.7	5.7	5.7	5	-	-	-	-	819982	812662	-	-	-	-
						4.0	-	-	21.5	21.5	8.0	8.0	30.7	30.7	91.4	91.4	6.7	6.7	5.9	5.9	5	-	-	-	-	819982	812662	-	-	-	-
					Bottom	4.0	-	-	21.5	21.5	8.0	8.0	30.7	30.7	91.2	91.2	6.7	6.7	5.7	5.7	5	-	-	-	-	819982	812662	-	-	-	-
						4.0	-	-	21.5	21.5	8.0	8.0	30.7	30.7	91.4	91.4	6.7	6.7	5.9	5.9	5	-	-	-	-	819982	812662	-	-	-	-
						4.0	-	-	21.5	21.5	8.0	8.0	30.7	30.7	91.4	91.4	6.7	6.7	5.9	5.9	5	-	-	-	-	819982	812662	-	-	-	-
SR2	Fine	Moderate	14:37	4.6	Surface	1.0	0.3	107	21.7	21.7	7.9	7.9	29.5	29.6	90.1	90.0	6.7	6.7	5.8	5.8	13	84	85	821454	814175	<0.2	1.3	1.3	1.3		
						1.0	0.3	109	21.7	21.7	7.9	7.9	29.5	29.6	89.9	89.9	6.7	6.7	5.9	5.9	15	85	85	821454	814175	<0.2	1.3	1.3	1.3		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821454	814175	<0.2	1.3	1.3	1.3
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821454	814175	<0.2	1.3	1.3	1.3
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Expansion of Hong Kong International Airport into a Three-Runway System  
Water Quality Monitoring

Water Quality Monitoring Results on 13 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
C1	Fine	Moderate	08:19	8.7	Surface	1.0	0.5	45	21.3	21.3	8.1	8.1	29.1	29.1	93.3	93.3	7.0	7.0	4.6	8	8	85	85	87	815628	804269	<0.2	1.1	<0.2	1.2					
						1.0	0.6	45	21.3	21.3	8.1	8.1	29.1	29.1	93.3	93.3	7.0	7.0	4.6	8	8	85	85				<0.2	1.2							
					Middle	4.4	0.4	40	20.7	20.7	8.1	8.1	31.1	31.1	92.6	92.6	6.9	6.9	13.6	8	9	88	88				<0.2	1.2							
						4.4	0.4	43	20.7	20.7	8.1	8.1	31.1	31.1	92.6	92.6	6.9	6.9	13.5	9	9	88	88				<0.2	1.1							
					Bottom	7.7	0.5	49	20.7	20.7	8.1	8.1	31.4	31.4	92.2	92.2	6.9	6.9	15.6	9	10	89	89				<0.2	1.2							
						7.7	0.5	52	20.7	20.7	8.1	8.1	31.4	31.4	92.1	92.1	6.9	6.9	15.3	10	10	89	89				<0.2	1.1							
C2	Cloudy	Moderate	09:30	12.4	Surface	1.0	0.3	352	21.6	21.6	7.9	7.9	27.2	27.2	89.2	89.2	6.7	6.7	5.9	8	9	84	84	87	825685	806943	<0.2	2.3	<0.2	2.1					
						1.0	0.4	324	21.6	21.6	7.9	7.9	27.2	27.2	89.2	89.2	6.7	6.7	5.9	9	9	84	84				<0.2	2.3							
					Middle	6.2	0.5	16	21.5	21.5	7.9	7.9	27.7	27.7	87.7	87.7	6.6	6.6	7.2	7.1	9	9	87				87	<0.2	2.1						
						6.2	0.5	16	21.5	21.5	7.9	7.9	27.7	27.7	87.7	87.7	6.6	6.6	7.1	9	9	87	87				<0.2	2.1							
					Bottom	11.4	0.3	9	21.2	21.2	7.9	7.9	30.2	30.2	85.2	85.2	6.3	6.3	8.2	10	10	89	89				<0.2	2.1							
						11.4	0.3	9	21.2	21.2	7.9	7.9	30.1	30.1	85.3	85.3	6.4	6.4	8.2	10	10	89	89				<0.2	2.1							
C3	Cloudy	Moderate	07:08	12.1	Surface	1.0	0.6	288	21.2	21.2	7.9	7.9	30.8	30.8	86.7	86.6	6.4	6.4	4.3	5	5	84	84	87	822094	817826	<0.2	1.4	<0.2	1.4					
						1.0	0.6	316	21.2	21.2	7.9	7.9	30.9	30.8	86.5	86.4	4.3	5	5	84	84	<0.2	1.4												
					Middle	6.1	0.5	286	21.1	21.1	7.9	7.9	31.5	31.5	85.2	85.2	6.3	6.3	5.8	4	4	87	87				<0.2	1.4							
						6.1	0.5	312	21.0	21.0	7.9	7.9	31.5	31.5	85.2	85.2	6.3	6.3	5.8	4	4	87	87				<0.2	1.4							
					Bottom	11.1	0.3	289	21.0	21.0	7.9	7.9	31.8	31.8	85.2	85.2	6.3	6.3	7.8	4	4	89	89				<0.2	1.3							
						11.1	0.3	290	21.0	21.0	7.9	7.9	31.8	31.8	85.2	85.2	6.3	6.3	7.8	4	4	89	89				<0.2	1.3							
IM1	Fine	Moderate	08:43	5.1	Surface	1.0	0.1	5	21.5	21.5	8.0	8.0	29.6	29.6	91.8	91.8	6.8	6.8	6.4	10	10	86	86	88	817958	807120	<0.2	1.1	<0.2	1.0					
						1.0	0.1	5	21.5	21.5	8.0	8.0	29.6	29.6	91.7	91.7	6.8	6.8	6.5	10	10	86	86				<0.2	1.0							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	4.1	0.1	356	21.5	21.5	8.0	8.0	29.6	29.6	91.7	92.1	6.8	6.9	6.7	9	9	89	89				<0.2	1.1							
						4.1	0.1	328	21.5	21.5	8.0	8.0	29.7	29.6	92.4	92.4	6.8	6.9	6.8	9	9	89	89				<0.2	1.0							
IM2	Fine	Moderate	08:51	7.0	Surface	1.0	0.3	12	21.6	21.6	8.1	8.1	29.1	29.1	92.4	92.4	6.9	6.9	10.4	8	9	85	85	88	818183	806181	<0.2	1.1	<0.2	1.0					
						1.0	0.3	12	21.6	21.6	8.1	8.1	29.1	29.1	92.3	92.4	6.9	6.9	10.6	7	7	85	85				<0.2	1.0							
					Middle	3.5	0.3	359	21.6	21.6	8.1	8.1	29.1	29.1	92.4	92.5	6.9	6.9	11.3	9	9	89	89				<0.2	1.0							
						3.5	0.3	330	21.6	21.6	8.1	8.1	29.1	29.1	92.5	92.5	6.9	6.9	11.6	10	10	87	87				<0.2	1.2							
					Bottom	6.0	0.2	327	21.6	21.6	8.1	8.1	29.2	29.2	92.2	92.2	6.9	6.9	15.1	11	11	89	89				<0.2	1.1							
						6.0	0.2	352	21.6	21.6	8.1	8.1	29.2	29.2	92.2	92.2	6.9	6.9	15.7	11	11	90	90				<0.2	1.1							
IM3	Fine	Moderate	08:59	7.2	Surface	1.0	0.3	358	21.6	21.6	8.1	8.1	29.2	29.3	93.9	93.7	7.0	7.0	9.5	11	11	86	86	88	818761	805580	<0.2	1.1	<0.2	1.0					
						1.0	0.4	329	21.5	21.5	8.1	8.1	29.3	29.4	93.5	93.2	7.0	7.0	9.6	11	11	86	86				<0.2	1.1							
					Middle	3.6	0.3	337	21.5	21.5	8.1	8.1	29.4	29.4	93.4	93.2	7.0	7.0	16.0	14	14	88	88				<0.2	1.0							
						3.6	0.3	352	21.5	21.5	8.1	8.1	29.5	29.4	92.9	92.9	6.9	6.9	15.8	13	13	88	88				<0.2	0.9							
					Bottom	6.2	0.3	317	21.4	21.4	8.1	8.1	29.6	29.6	92.2	92.1	6.9	6.9	16.4	16	16	89	89				<0.2	0.9							
						6.2	0.3	333	21.4	21.4	8.1	8.1	29.6	29.6	92.0	92.1	6.9	6.9	16.6	16	16	90	90				<0.2	1.0							
IM4	Fine	Moderate	09:08	7.8	Surface	1.0	0.5	356	21.4	21.4	8.1	8.1	29.5	29.5	93.3	93.3	7.0	7.0	13.5	20	21	85	85	88	819731	804629	<0.2	0.9	<0.2	1.0					
						1.0	0.5	328	21.4	21.4	8.1	8.1	29.5	29.5	93.3	93.3	7.0	7.0	13.6	21	21	85	85				<0.2	1.0							
					Middle	3.9	0.4	0	21.4	21.4	8.1	8.1	29.6	29.6	92.8	92.8	6.9	6.9	13.4	17	17	88	88				<0.2	0.8							
						3.9	0.5	0	21.4	21.4	8.1	8.1	29.6	29.6	92.8	92.8	6.9	6.9	13.6	17	17	89	89				<0.2	0.9							
					Bottom	6.8	0.4	3	21.4	21.4	8.1	8.1	29.6	29.6	92.4	92.4	6.9	6.9	19.9	16	16	90	90				<0.2	1.0							
						6.8	0.4	3	21.4	21.4	8.1	8.1	29.6	29.6	92.4	92.4	6.9	6.9	19.0	15	15	91	91				<0.2	1.0							
IM5	Fine	Moderate	09:15	7.6	Surface	1.0	0.7	9	21.5	21.5	8.1	8.1	29.3	29.3	93.6	93.6	7.0	7.0	17.7	9	9	85	85	88	820736	804859	<0.2	1.6	<0.2	1.5					
						1.0	0.8	9	21.5	21.5	8.1	8.1	29.3	29.3	93.5	93.3	7.0	7.0	17.8	9	9	85	85				<0.2	1.5							
					Middle	3.8	0.7	12	21.5	21.5	8.1	8.1	29.3	29.3	93.3	93.3	6.9	6.9	18.0	7	7	89	89				<0.2	1.6							
						3.8	0.7	12	21.5	21.5	8.1	8.1	29.3	29.3	93.3	93.3	6.9	6.9	18.0	6	6	90	90				<0.2	1.5							
					Bottom	6.6	0.5	17	21.5	21.5	8.1	8.1	29.4	29.4	93.1	93.1	6.9	6.9	18.3	6	6	91	91				<0.2	1.5							
						6.6	0.5	18	21.5	21.5	8.1	8.1	29.4	29.4	93.1	93.1	6.9	6.9	18.3	6	6	89	89				<0.2	1.4							
IM6	Fine	Moderate	09:22	7.6	Surface	1.0	0.1	23	21.7	21.7	8.1	8.1	27.0	27.0	92.5	92.5	7.0	7.0	5.5	8	8	86	86	88	821082	805844	<0.2	1.6	<0.2	1.5					
						1.0	0.1	23	21.7	21.7	8.1	8.1	27.0	27.0	92.5	92.5	7.0	7.0	5.5	7	7	86	86				<0.2	1.6							
					Middle	3.8	0.1	43	21.6	21.6	8.1	8.1	28.4	28.4	91.8	91.8	6.9	6.9	10.3	5	5	87	87				<0.2	1.5							
						3.8	0.1	44	21.6	21.6	8.1	8.1	28.4	28.4	91.8	91.8	6.9	6.9	10.4	5	5	87	87				<0.2	1.5							
					Bottom	6.6	0.1	50	21.6	21.6	8.1	8.1	28.7	28.7	91.6	91.6	6.8	6.8	12.6	5	5	89	89				<0.2	1.5							
						6.6	0.1	52	21.6	21.6	8.1	8.1	28.7	28.7	91.6	91.6	6.8	6.8	12.6	4	4	90	90				<0.2	1.7							
IM7	Fine	Moderate	09:31	7.2	Surface	1.0	0.2	150	21.7	21.7	8.1																								

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

Water Quality Monitoring Results on 13 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM9	Cloudy	Moderate	08:54	7.5	Surface	1.0	0.3	36	21.5	21.5	7.8	7.8	27.8	27.8	88.8	88.9	6.7	6.7	5.4	8	8	84	86	822115	808804	<0.2	1.9	<0.2	1.9					
						1.0	0.3	37	21.5	21.5	7.8	7.8	27.8	27.8	88.9	88.9	6.7	6.7	5.4	8	8	83	86	87	86	<0.2	1.8	<0.2	1.8					
						3.8	0.1	65	21.5	21.5	7.9	7.9	28.3	28.3	88.8	88.8	6.6	6.6	6.7	8	8	87	87	87	87	<0.2	1.9	<0.2	1.9					
					Middle	3.8	0.2	65	21.5	21.5	7.9	7.9	28.3	28.3	88.8	88.8	6.6	6.6	6.9	8	8	86	86	86	86	<0.2	1.8	<0.2	1.8					
						6.5	0.2	90	21.5	21.5	7.9	7.9	28.5	28.5	89.0	89.1	6.7	6.7	7.3	7	7	89	89	89	89	<0.2	2.0	<0.2	2.0					
						6.5	0.2	92	21.5	21.5	7.9	7.9	28.5	28.5	89.1	89.1	6.7	6.7	7.3	7	7	89	89	89	89	<0.2	1.9	<0.2	1.9					
					IM10	Cloudy	Moderate	08:46	8.6	Surface	1.0	0.6	297	21.5	21.5	7.9	7.9	29.7	29.7	90.0	90.0	6.7	6.7	6.6	7	7	84	86	822369	809773	<0.2	1.6	<0.2	1.6
											1.0	0.6	304	21.5	21.5	7.9	7.9	29.7	29.7	90.0	90.0	6.7	6.7	6.7	7	7	84	87	86	86	<0.2	1.6	<0.2	1.6
											4.3	0.5	292	21.5	21.5	7.9	7.9	30.3	30.3	88.9	88.9	6.6	6.6	9.4	7	8	87	87	87	87	<0.2	1.6	<0.2	1.6
Middle	4.3	0.6	310	21.5						21.5	7.9	7.9	30.3	30.3	88.9	88.9	6.6	6.6	9.5	7	8	86	86	86	86	<0.2	1.8	<0.2	1.8					
	7.6	0.5	295	21.5						21.5	7.9	7.9	30.4	30.4	88.8	88.8	6.6	6.6	10.5	9	9	88	88	88	88	<0.2	1.6	<0.2	1.6					
	7.6	0.5	309	21.5						21.5	7.9	7.9	30.4	30.4	88.8	88.8	6.6	6.6	10.5	8	8	89	89	89	89	<0.2	1.6	<0.2	1.6					
IM11	Cloudy	Moderate	08:37	8.3						Surface	1.0	0.5	274	21.4	21.4	7.9	7.9	30.2	30.2	88.3	88.3	6.5	6.5	8.6	7	7	83	86	822079	811466	<0.2	1.4	<0.2	1.4
											1.0	0.5	286	21.4	21.4	7.9	7.9	30.2	30.2	88.3	88.3	6.6	6.6	8.6	7	7	84	86	86	86	<0.2	1.5	<0.2	1.5
											4.2	0.4	283	21.4	21.4	7.9	7.9	30.3	30.3	88.2	88.2	6.5	6.5	9.9	6	6	86	86	86	86	<0.2	1.5	<0.2	1.5
					Middle	4.2	0.4	284	21.4	21.4	7.9	7.9	30.3	30.3	88.2	88.2	6.5	6.5	9.9	7	7	86	86	86	86	<0.2	1.6	<0.2	1.6					
						7.3	0.4	275	21.4	21.4	7.9	7.9	30.3	30.3	88.5	88.6	6.6	6.6	10.3	5	5	88	88	88	88	<0.2	1.5	<0.2	1.5					
						7.3	0.4	299	21.4	21.4	7.9	7.9	30.3	30.3	88.6	88.6	6.6	6.6	10.3	6	6	88	88	88	88	<0.2	1.6	<0.2	1.6					
					IM12	Cloudy	Moderate	08:27	9.4	Surface	1.0	0.6	268	21.4	21.4	7.9	7.9	30.5	30.5	88.3	88.3	6.5	6.5	10.7	8	8	84	86	821450	812037	<0.2	1.2	<0.2	1.2
											1.0	0.7	278	21.4	21.4	7.9	7.9	30.5	30.5	88.3	88.3	6.5	6.5	10.7	8	8	83	86	86	86	<0.2	1.2	<0.2	1.2
											4.7	0.6	268	21.4	21.4	7.9	7.9	30.5	30.5	88.3	88.3	6.5	6.5	12.2	8	8	87	87	87	87	<0.2	1.4	<0.2	1.4
Middle	4.7	0.6	285	21.4						21.4	7.9	7.9	30.5	30.5	88.3	88.3	6.5	6.5	12.3	8	8	86	86	86	86	<0.2	1.3	<0.2	1.3					
	8.4	0.5	262	21.4						21.4	7.9	7.9	30.6	30.6	89.3	89.4	6.6	6.6	13.2	6	6	89	89	89	89	<0.2	1.4	<0.2	1.4					
	8.4	0.5	281	21.4						21.4	7.9	7.9	30.6	30.6	89.5	89.5	6.6	6.6	13.4	7	7	88	88	88	88	<0.2	1.4	<0.2	1.4					
SR1A	Cloudy	Moderate	07:46	5.0						Surface	1.0	-	-	21.5	21.5	7.9	7.9	29.9	29.9	88.8	88.8	6.6	6.6	3.5	6	6	-	-	819972	812658	-	-	-	-
											1.0	-	-	21.5	21.5	7.9	7.9	29.9	29.9	88.8	88.8	6.6	6.6	3.5	6	6	-	-	-	-	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.0	-	-	21.5	21.5	7.9	7.9	30.4	30.4	88.3	88.4	6.5	6.5	3.6	3	3	-	-	-	-	-	-	-	-	-	-			
						4.0	-	-	21.5	21.5	7.9	7.9	30.4	30.4	88.4	88.4	6.5	6.5	3.6	4	4	-	-	-	-	-	-	-	-	-				
					SR2	Cloudy	Moderate	07:29	4.5	Surface	1.0	0.1	249	21.4	21.4	7.9	7.9	30.2	30.2	89.4	89.5	6.6	6.6	11.4	7	7	84	86	821474	814187	<0.2	1.3	<0.2	1.3
											1.0	0.1	259	21.4	21.4	7.9	7.9	30.2	30.2	89.5	89.5	6.6	6.6	11.6	8	8	85	86	86	86	<0.2	1.4	<0.2	1.4
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.5	0.1	234	21.4						21.4	8.0	8.0	30.2	30.2	91.2	91.2	6.8	6.8	12.4	6	6	88	88	88	88	<0.2	1.4	<0.2	1.4					
	3.5	0.1	255	21.4						21.4	8.0	8.0	30.2	30.2	91.2	91.2	6.8	6.8	12.5	5	5	88	88	88	88	<0.2	1.5	<0.2	1.5					
SR3	Cloudy	Moderate	09:08	9.2						Surface	1.0	0.0	231	21.6	21.6	7.8	7.8	27.0	27.0	88.7	88.7	6.7	6.7	5.0	8	8	-	-	822132	807585	-	-	-	-
											1.0	0.0	233	21.6	21.6	7.8	7.8	27.0	27.0	88.7	88.7	6.7	6.7	5.1	8	8	-	-	-	-	-	-	-	-
											4.6	0.1	46	21.5	21.5	7.8	7.8	28.0	28.0	87.0	87.1	6.5	6.5	6.1	8	8	-	-	-	-	-	-	-	
					Middle	4.6	0.1	46	21.5	21.5	7.8	7.8	28.0	28.0	87.1	87.1	6.5	6.5	6.2	7	7	-	-	-	-	-	-	-	-					
						8.2	0.2	53	21.5	21.5	7.9	7.9	30.0	30.0	90.3	90.3	6.7	6.7	7.7	7	7	-	-	-	-	-	-	-						
						8.2	0.2	54	21.5	21.5	7.9	7.9	29.9	30.0	90.3	90.3	6.7	6.7	7.5	6	6	-	-	-	-	-	-	-						
					SR4A	Fine	Moderate	07:56	8.8	Surface	1.0	0.6	74	21.5	21.5	8.0	8.0	29.2	29.2	92.2	92.2	6.9	6.9	11.6	12	12	-	-	817193	807792	-	-	-	-
											1.0	0.6	77	21.5	21.5	8.0	8.0	29.2	29.2	92.2	92.2	6.9	6.9	11.7	11	11	-	-	-	-	-	-		
											4.4	0.5	72	21.5	21.5	8.0	8.0	29.2	29.2	92.1	92.1	6.9	6.9	12.8	14	14	-	-	-	-	-			
Middle	4.4	0.5	77	21.5						21.5	8.0	8.0	29.2	29.2	92.1	92.1	6.9	6.9	12.9	15	15	-	-	-	-	-	-							
	7.8	0.4	69	21.5						21.5	8.0	8.0	29.2	29.2	92.1	92.1	6.9	6.9	13.3	15	15	-	-	-	-	-								
	7.8	0.4	73	21.5						21.5	8.0	8.0	29.2	29.2	92.1	92.1	6.9	6.9	13.2	15	15	-	-	-	-	-								
SR5A	Fine	Calm	07:35	3.7						Surface	1.0	0.1	148	21.6	21.6	8.0	8.0	29.5	29.5	87.9	88.0	6.5	6.5	11.0	4	4	-	-	816606	810696	-	-	-	-
											1.0	0.1	149	21.6	21.6	8.0	8.0	29.5	29.5	88.0	88.0	6.5	6.5	11.3	4	4	-	-	-	-	-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.7	0.1	148	21.6	21.6	8.0	8.0	29.5	29.5	88.4</																			



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

Water Quality Monitoring

Water Quality Monitoring Results on 16 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Misty	Calm	14:09	8.0	Surface	1.0	0.2	187	22.0	22.0	8.2	8.2	29.5	29.5	103.1	103.0	7.6	7.3	2.3	7	86	88	815628	804253	<0.2	1.1	<0.2	1.1							
						1.0	0.2	197	22.0	8.2	8.2	29.5	29.5	102.9	7.6	2.3	6	85	87																
						4.0	0.3	221	21.6	8.2	8.2	30.7	30.7	94.2	6.9	5.6	6	87	89																
					Middle	4.0	0.3	242	21.6	8.2	8.2	30.7	30.7	94.0	6.9	5.6	12	88	90																
						7.0	0.3	236	21.6	8.2	8.2	30.9	30.9	93.9	6.9	10.3	9	90	92																
						7.0	0.3	250	21.6	8.2	8.2	30.9	30.9	94.1	6.9	10.3	8	90	92																
					C2	Cloudy	Moderate	13:07	12.6	Surface	1.0	0.3	157	22.3	22.3	7.9	7.9	28.5	28.5	90.3	90.3	6.7	6.6	5.8	8	87			89	825685	806928	<0.2	1.9	<0.2	1.8
											1.0	0.3	168	22.3	7.9	7.9	28.5	28.5	90.3	6.7	5.8	7	87	89											
											6.3	0.2	153	21.9	7.9	7.9	29.9	29.9	88.4	6.5	7.9	7	89	91											
Middle	6.3	0.3	156	21.9						7.9	7.9	30.0	29.9	88.2	6.5	7.9	7	89	91																
	11.6	0.5	142	21.6						7.9	7.9	30.8	30.8	84.8	6.3	9.9	6	91	93																
	11.6	0.5	145	21.6						7.9	7.9	30.8	30.8	84.8	6.3	9.9	7	91	93																
C3	Cloudy	Moderate	15:05	12.0						Surface	1.0	0.6	95	22.0	22.0	7.9	7.9	30.4	30.4	86.8	86.7	6.4	6.3	5.4	13	87	89	822129	817817	<0.2	1.2	<0.2	1.0		
											1.0	0.6	96	22.0	7.9	7.9	30.4	30.4	86.6	6.4	5.6	13	88	90											
											6.0	0.4	97	21.5	7.9	7.9	31.3	31.3	83.8	6.2	8.1	14	90	92											
					Middle	6.0	0.5	102	21.5	7.9	7.9	31.3	31.3	83.8	6.2	7.9	15	88	90																
						11.0	0.2	115	21.4	7.9	7.9	31.8	31.8	83.2	6.1	9.1	15	93	95																
						11.0	0.2	117	21.4	7.9	7.9	31.8	31.8	83.2	6.1	9.2	15	93	95																
					IM1	Misty	Calm	13:49	4.8	Surface	1.0	0.2	192	22.4	22.4	8.2	8.1	29.5	29.5	98.0	97.8	7.2	7.2	10.2	9	86	88	817960	807133	<0.2	0.8			<0.2	1.0
											1.0	0.2	197	22.3	8.1	8.1	29.5	29.5	97.6	7.2	10.2	9	86	88											
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	3.8	0.3	205	22.3						22.3	8.1	8.1	29.4	29.4	92.3	92.4	6.8	6.8	15.8	5	89	91													
	3.8	0.3	210	22.3						8.1	8.1	29.4	29.4	92.5	6.8	15.9	6	89	91																
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
IM2	Misty	Calm	13:43	7.0						Surface	1.0	0.1	223	22.3	22.3	8.1	8.1	29.7	29.7	94.0	94.0	6.9	6.9	5.5	9	87	89	818169	806159	<0.2	1.1	<0.2	1.0		
											1.0	0.1	237	22.2	8.2	8.2	29.7	29.7	93.9	6.9	5.5	8	86	88											
											3.5	0.1	190	22.0	8.2	8.2	29.9	30.0	94.3	6.9	8.8	9	88	90											
					Middle	3.5	0.1	208	22.0	8.2	8.2	30.0	30.0	94.5	6.9	8.8	10	88	90																
						6.0	0.1	104	21.9	8.2	8.2	30.5	30.5	94.7	7.0	11.7	9	90	92																
						6.0	0.1	110	21.9	8.2	8.2	30.5	30.5	94.7	7.0	11.7	10	90	92																
					IM3	Misty	Calm	13:37	6.8	Surface	1.0	0.1	132	22.3	22.3	8.2	8.2	30.0	30.0	96.9	97.0	7.1	7.1	4.9	8	86	88	818764	805606	<0.2	0.8			<0.2	0.9
											1.0	0.1	134	22.2	8.2	8.2	30.1	30.0	97.0	7.1	5.0	8	86	88											
											3.4	0.1	126	22.2	8.2	8.2	30.1	30.2	96.9	7.1	5.0	10	88	90											
Middle	3.4	0.1	126	22.2						8.2	8.2	30.2	30.2	97.0	7.1	5.1	11	87	89																
	5.8	0.1	81	21.8						8.2	8.2	30.5	30.5	94.4	6.9	9.9	12	90	92																
	5.8	0.1	87	21.8						8.2	8.2	30.5	30.5	94.4	6.9	10.0	12	90	92																
IM4	Misty	Calm	13:28	8.2						Surface	1.0	0.2	212	22.2	22.2	8.1	8.1	28.9	28.9	92.7	92.7	6.8	6.8	3.5	9	87	89	819729	804613	<0.2	0.8	<0.2	0.9		
											1.0	0.2	217	22.2	8.1	8.1	28.9	28.9	92.7	6.8	3.5	9	87	89											
											4.1	0.1	195	22.1	8.2	8.2	29.9	29.9	94.2	6.9	7.5	7	88	90											
					Middle	4.1	0.1	210	22.0	8.2	8.2	29.9	29.9	94.0	6.9	7.6	6	87	89																
						7.2	0.1	166	21.9	8.2	8.2	30.4	30.4	93.3	6.9	8.1	6	91	93																
						7.2	0.1	171	21.9	8.2	8.2	30.4	30.4	93.4	6.9	8.1	5	91	93																
					IM5	Misty	Calm	13:20	7.8	Surface	1.0	0.1	277	22.1	22.1	8.2	8.2	29.6	29.7	94.5	94.5	6.9	6.9	6.9	9	86	88	820724	804869	<0.2	1.3			<0.2	1.2
											1.0	0.1	282	22.0	8.2	8.2	29.8	29.7	94.4	6.9	6.8	8	85	87											
											3.9	0.1	214	22.0	8.2	8.2	30.2	30.2	93.8	6.9	7.4	8	87	89											
Middle	3.9	0.1	234	22.0						8.2	8.2	30.2	30.2	93.7	6.9	7.4	7	86	88																
	6.8	0.1	163	22.0						8.1	8.1	30.3	30.3	93.3	6.9	10.9	7	89	91																
	6.8	0.1	172	22.0						8.1	8.1	30.3	30.3	93.5	6.9	10.9	7	90	92																
IM6	Misty	Calm	13:13	7.2						Surface	1.0	0.1	223	22.2	22.2	8.1	8.1	28.9	29.0	92.5	92.4	6.8	6.8	5.7	9	85	87	821049	805845	<0.2	1.1	<0.2	1.1		
											1.0	0.1	226	22.1	8.1	8.1	29.0	29.0	92.3	6.8	5.7	9	87	89											
											3.6	0.1	182	22.1	8.1	8.1	29.2	29.2	92.2	6.8	6.7	9	87	89											
					Middle	3.6	0.1	196	22.1	8.1	8.1	29.2	29.2	92.2	6.8	6.8	8	87	89																
						6.2	0.2	145	22.0	8.1	8.1	29.7	29.7	92.5	6.8	9.1	8	87	89																
						6.2	0.2	145	22.0	8.1	8.1	29.7	29.7	92.6	6.8	9.2	9	88	90																
					IM7	Misty	Calm	13:08	8.8	Surface	1.0	0.1	108	22.4	22.3	8.1	8.1	28.3	28.5	93.9	93.8	6.9	6.9	4.5	7	86	88	821327	806829	<0.2	1.0			<0.2	1.1
											1.0	0.1	118	22.2	8.1	8.1	28.6	28.5	93.6	6.9	4.5	6	86	88											
											4.4	0.1	148	22.2	8.2	8.2	28.9	29.0	93.1	6.9	6.1	10	88	90											
Middle	4.4	0.1	157	22.2						8.2	8.2	28.9	29.0	93.0	6.9	6.2	5	89	91																
	7.8	0.1	167	22.2						8.1	8.1	29.5	29.5	92.8	6.8	10.7	7	90	92																
	7.8	0.1	178	22.2						8.1	8.1	29.5	29.5	93.0	6.8	10.6	8	90	92																
IM8	Cloudy	Moderate	13:26	8.2						Surface	1.0	0.3	134	22.0	22.0	7.9	7.9	29.0	29.1	90.4	90.5	6.7	6.7	6.4	8	86	88	821832	808156	<0.2	1.8	<0.2	1.8		
											1.0	0.3	146	22.0	7.9	7.9	29.3	29.1	90.6	6.7	6.8	7	87	89											
											4.1	0.3	113	22.0	7.9	7.9	29.9	30.0	91.4	6.7	8.8	7	88	90											
					Middle	4.1	0.3	115	22.0	7.9	7.9	29.9	30.0	91.5	6.7	8.2	8	88	90																
						7.2	0.3	98	21.9	8.0	8.0	31.1	31.1	91.6	6.7	10.3	8	91	93																
						7.2	0.3	100	21.9	8.0	8.0	31.1	31.1	91.6	6.7	10.3	7	91	93																

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 16 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Moderate	13:31	7.7	Surface	1.0	0.4	117	22.8	22.8	7.9	7.9	28.0	28.0	94.0	94.0	6.9	6.8	3.8	7	87	89	822101	808787	<0.2	1.6	<0.2	1.7									
						1.0	0.5	128	22.8	7.9	7.9	28.0	28.0	94.0	94.0	6.9	6.8	3.8	7	86	89	<0.2	1.7														
						3.9	0.4	126	22.0	7.9	7.9	29.9	30.0	91.4	91.4	6.7	6.7	5.2	7	89	89	<0.2	1.6														
					Middle	3.9	0.4	127	22.0	7.9	7.9	30.0	30.0	91.4	91.4	6.7	6.7	5.2	7	89	89	<0.2	1.7														
						6.7	0.4	82	21.9	7.9	7.9	30.9	30.9	91.7	91.7	6.7	6.7	6.5	8	91	91	<0.2	1.8														
						6.7	0.4	82	21.9	7.9	7.9	30.9	30.9	91.7	91.7	6.7	6.7	6.6	8	91	91	<0.2	1.7														
					IM10	Cloudy	Moderate	13:38	7.4	Surface	1.0	0.5	137	22.1	22.1	7.9	7.9	29.2	29.3	89.8	89.8	6.6	6.3	7	88	89			822377	809779	<0.2	1.8	<0.2	1.8			
											1.0	0.5	148	22.0	7.9	7.9	29.3	29.3	89.8	89.8	6.6	6.9	6	86	89	<0.2			1.7								
											3.7	0.5	134	22.0	7.9	7.9	30.0	30.0	90.2	90.3	6.6	7.8	8	89	89	<0.2			1.8								
Middle	3.7	0.6	138	22.0						7.9	7.9	30.0	30.0	90.3	90.3	6.6	7.0	9	89	89	<0.2	1.7															
	6.4	0.5	123	21.9						7.9	7.9	30.6	30.6	90.5	90.5	6.6	8.2	8	92	92	<0.2	1.7															
	6.4	0.5	126	21.9						7.9	7.9	30.6	30.6	90.5	90.5	6.6	8.0	9	91	91	<0.2	1.8															
IM11	Cloudy	Moderate	13:48	8.6						Surface	1.0	0.5	116	22.6	22.6	7.9	7.9	28.7	28.7	92.3	92.2	6.8	5.0	8	87	89	822072	811436	<0.2	1.6	<0.2	1.7					
											1.0	0.6	118	22.5	7.9	7.9	28.7	28.7	92.1	92.1	6.8	5.1	8	87	89	<0.2	1.7										
											4.3	0.5	117	21.9	7.9	7.9	29.9	29.9	87.9	87.9	6.5	7.7	7	89	89	<0.2	1.7										
					Middle	4.3	0.5	123	21.9	7.9	7.9	29.9	29.9	87.8	87.8	6.5	7.2	8	90	90	<0.2	1.8															
						7.6	0.4	136	21.9	7.9	7.9	30.1	30.1	88.9	89.1	6.5	9.1	7	90	90	<0.2	1.6															
						7.6	0.4	136	21.9	7.9	7.9	30.1	30.1	89.3	89.3	6.6	9.1	8	92	92	<0.2	1.7															
					IM12	Cloudy	Moderate	13:54	9.8	Surface	1.0	0.6	139	22.2	22.2	7.9	7.9	29.2	29.2	91.2	91.1	6.7	6.8	8	87	88	821469	812029	<0.2	1.7			<0.2	1.7			
											1.0	0.7	141	22.2	7.9	7.9	29.2	29.2	91.0	91.0	6.7	7.0	8	88	89	<0.2	1.6										
											4.9	0.4	127	21.9	7.9	7.9	30.0	30.0	87.0	87.0	6.4	8.4	11	89	89	<0.2	1.7										
Middle	4.9	0.4	136	21.9						7.9	7.9	30.0	30.0	86.9	86.9	6.4	8.4	10	90	90	<0.2	1.8															
	8.8	0.2	115	21.8						7.9	7.9	30.2	30.2	86.5	86.5	6.4	9.5	7	92	92	<0.2	1.6															
	8.8	0.2	125	21.8						7.9	7.9	30.2	30.2	86.5	86.5	6.4	9.6	7	93	93	<0.2	1.7															
SR1A	Cloudy	Moderate	14:29	4.3						Surface	1.0	-	-	22.4	22.4	7.9	7.9	29.7	29.7	90.1	90.1	6.6	5.3	8	-	-	-	-	819970	812661	-	-			-	-	
											1.0	-	-	22.4	22.4	7.9	7.9	29.7	29.7	90.1	90.1	6.6	5.3	9	-	-	-	-	-	-	-	-					-
											2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.3	-	-	22.4	22.4	7.9	7.9	29.8	29.8	90.1	90.1	6.6	5.2	9	-	-	-	-	-	-	-	-	-	-	-	-						
						3.3	-	-	22.4	22.4	7.9	7.9	29.8	29.8	90.1	90.1	6.6	5.2	8	-	-	-	-	-	-	-	-	-	-	-	-						
					SR2	Cloudy	Moderate	14:45	4.5	Surface	1.0	0.4	79	22.0	22.0	7.9	7.9	29.9	29.9	88.3	88.3	6.5	6.7	8	89	90	821481	814187	<0.2	1.2	<0.2	1.3					
											1.0	0.4	81	22.0	7.9	7.9	29.9	29.9	88.3	88.3	6.5	6.8	8	88	88	<0.2	1.2										
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-				
	3.5	0.4	75	22.0						7.9	7.9	30.0	30.0	89.0	89.1	6.5	7.8	8	92	92	<0.2	1.4															
	3.5	0.4	81	22.0						7.9	7.9	30.0	30.0	89.2	89.2	6.6	7.7	9	92	92	<0.2	1.2															
SR3	Cloudy	Moderate	13:20	9.7						Surface	1.0	0.1	183	22.4	22.4	7.9	7.9	28.6	28.6	90.5	90.5	6.7	5.3	9	-	-	-	-	822134	807567			-	-	-	-	
											1.0	0.1	184	22.3	7.9	7.9	28.7	28.7	90.5	90.5	6.7	5.3	10	-	-	-	-	-	-	-			-	-			-
											4.9	0.2	116	21.9	7.9	7.9	29.9	29.9	90.1	90.3	6.6	7.9	9	-	-	-	-	-	-	-			-	-			-
					Middle	4.9	0.2	121	21.9	7.9	7.9	29.9	29.9	90.4	90.4	6.7	7.3	9	-	-	-	-	-	-	-	-	-	-	-								
						8.7	0.1	113	21.9	8.0	8.0	31.1	31.1	91.3	91.3	6.7	9.5	8	-	-	-	-	-	-	-	-	-	-									
						8.7	0.1	114	21.9	8.0	8.0	31.1	31.1	91.2	91.2	6.7	9.5	8	-	-	-	-	-	-	-	-	-	-									
					SR4A	Misty	Calm	14:31	9.4	Surface	1.0	0.1	72	22.4	22.3	8.1	8.1	29.5	29.5	94.4	93.9	6.9	5.3	7	-	-	-	-	817211	807802	-	-	-	-			
											1.0	0.1	77	22.2	8.1	8.1	29.6	29.6	93.4	93.9	6.9	5.3	8	-	-	-	-	-	-	-	-	-					
											4.7	0.1	65	22.1	8.1	8.1	29.6	29.6	92.8	92.8	6.8	6.6	7	-	-	-	-	-	-	-	-	-					
Middle	4.7	0.1	67	22.1						8.1	8.1	29.6	29.6	92.7	92.8	6.8	6.5	6	-	-	-	-	-	-	-	-	-	-									
	8.4	0.0	63	22.2						8.1	8.1	29.6	29.6	92.6	92.7	6.8	7.5	6	-	-	-	-	-	-	-	-	-										
	8.4	0.0	65	22.2						8.1	8.1	29.6	29.6	92.7	92.7	6.8	7.5	7	-	-	-	-	-	-	-	-	-										
SR5A	Misty	Calm	14:48	3.2						Surface	1.0	0.1	344	23.4	23.4	8.1	8.1	29.4	29.4	98.4	98.4	7.1	6.5	9	-	-	-	-	816588	810681	-	-			-	-	
											1.0	0.1	349	23.4	8.1	8.1	29.5	29.5	98.4	98.4	7.1	6.5	10	-	-	-	-	-	-	-	-						
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						2.2	0.0	355	22.9	8.1	8.1	29.6	29.6	94.4	94.4	6.8	9.0	8	-	-	-	-	-	-	-	-											
						2.2	0.0	327	22.9	8.1	8.1	29.6	29.6	94.4	94.4	6.8	8.9	9	-	-	-	-	-	-	-												
					SR6A	Misty	Calm	15:29	4.0	Surface	1.0	0.1	283	22.8	22.8	8.2	8.2	28.7	28.7	90.8	90.8	6.6	11.2	25	-	-	-	-	817975	814718	-	-	-	-			
											1.0	0.1	287	22.8	8.2	8.2	28.7	28.7	90.8	90.8	6.6	11.1	24	-	-	-	-	-	-	-							
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
	3.0	0.0	233	22.9						8.1	8.1	28.7	28.7	91.1	91.3	6.6	20.6	11	-	-	-	-	-	-	-												
	3.0	0.0	240	22.9						8.1	8.1	28.7	28.7	91.4	91.4	6.7	20.5	11	-	-	-	-	-	-													
SR7	Cloudy	Moderate	15:34	19.0						Surface	1.0	0.7	93	22.4	22.4	7.9	7.9	30.8	30.8	93.6	93.6	6.8	3.4														



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

Water Quality Monitoring Results on 16 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	09:36	7.6	Surface	1.0	0.1	116	21.9	21.9	7.9	7.9	29.1	29.1	88.3	88.3	6.5	6.5	7.7	6	87	90	822071	808795	<0.2	1.3	<0.2	1.4							
						1.0	0.1	126	21.9	21.9	7.9	7.9	29.1	29.1	88.2	88.2	6.5	6.5	8.0	7	88	90	822071	808795	<0.2	1.3									
						3.8	0.1	217	21.9	21.9	7.9	7.9	29.2	29.2	88.1	88.1	6.5	6.5	11.2	8	89	90	822071	808795	<0.2	1.5									
					Middle	3.8	0.1	218	21.9	21.9	7.9	7.9	29.2	29.2	88.1	88.1	6.5	6.5	11.4	7	90	90	822071	808795	<0.2	1.3									
						6.6	0.1	143	21.9	21.9	7.9	7.9	29.2	29.2	88.3	88.3	6.5	6.5	12.0	7	92	90	822071	808795	<0.2	1.4									
						6.6	0.1	155	21.9	21.9	7.9	7.9	29.2	29.2	88.4	88.4	6.5	6.5	12.1	8	93	90	822071	808795	<0.2	1.5									
					IM10	Cloudy	Moderate	09:29	8.2	Surface	1.0	0.6	327	21.9	21.9	7.9	7.9	29.6	29.6	88.5	88.5	6.5	6.5	9.8	10	87			90	822375	809799	<0.2	1.4	<0.2	1.4
											1.0	0.7	357	21.9	21.9	7.9	7.9	29.6	29.6	88.5	88.5	6.5	6.5	9.9	11	87			90	822375	809799	<0.2	1.4		
											4.1	0.6	333	21.9	21.9	7.9	7.9	29.6	29.6	88.5	88.5	6.5	6.5	10.3	11	89			90	822375	809799	<0.2	1.3		
Middle	4.1	0.6	335	21.9						21.9	7.9	7.9	29.6	29.6	88.4	88.4	6.5	6.5	10.5	10	90	90	822375	809799	<0.2	1.3									
	7.2	0.5	329	21.9						21.9	7.9	7.9	29.6	29.6	88.5	88.5	6.5	6.5	12.3	12	92	90	822375	809799	<0.2	1.4									
	7.2	0.5	350	21.9						21.9	7.9	7.9	29.6	29.6	88.5	88.5	6.5	6.5	12.5	11	92	90	822375	809799	<0.2	1.2									
IM11	Cloudy	Moderate	09:20	8.2						Surface	1.0	0.6	273	21.8	21.8	7.9	7.9	29.9	29.9	87.7	87.7	6.5	6.5	9.1	19	86	88	822070	811466	<0.2	1.3	<0.2	1.4		
											1.0	0.6	296	21.8	21.8	7.9	7.9	29.9	29.9	87.7	87.7	6.5	6.5	9.1	18	87	88	822070	811466	<0.2	1.4				
											4.1	0.5	275	21.8	21.8	7.9	7.9	29.9	29.9	87.5	87.5	6.5	6.5	12.4	18	88	88	822070	811466	<0.2	1.3				
					Middle	4.1	0.6	294	21.8	21.8	7.9	7.9	29.9	29.9	87.5	87.5	6.5	6.5	13.7	17	88	88	822070	811466	<0.2	1.3									
						7.2	0.5	283	21.8	21.8	7.9	7.9	30.0	30.0	87.7	87.7	6.5	6.5	14.9	18	90	88	822070	811466	<0.2	1.5									
						7.2	0.5	286	21.8	21.8	7.9	7.9	30.0	30.0	87.8	87.8	6.5	6.5	13.6	17	91	88	822070	811466	<0.2	1.3									
					IM12	Cloudy	Moderate	09:13	9.5	Surface	1.0	0.7	260	21.8	21.8	7.9	7.9	29.9	29.9	88.0	88.0	6.5	6.5	7.9	9	86	89	821460	812022	<0.2	1.4			<0.2	1.3
											1.0	0.7	262	21.8	21.8	7.9	7.9	29.9	29.9	88.0	88.0	6.5	6.5	7.9	10	88	89	821460	812022	<0.2	1.3				
											4.8	0.8	262	21.8	21.8	7.9	7.9	30.2	30.2	87.3	87.3	6.4	6.4	9.4	10	89	90	821460	812022	<0.2	1.3				
Middle	4.8	0.8	265	21.8						21.8	7.9	7.9	30.2	30.2	87.3	87.3	6.4	6.4	9.7	10	90	90	821460	812022	<0.2	1.4									
	8.5	0.6	257	21.8						21.8	7.9	7.9	30.2	30.2	87.4	87.4	6.4	6.4	10.8	11	91	91	821460	812022	<0.2	1.4									
	8.5	0.7	257	21.8						21.8	7.9	7.9	30.2	30.2	87.4	87.4	6.4	6.4	10.8	11	91	91	821460	812022	<0.2	1.3									
SR1A	Cloudy	Moderate	08:38	4.4						Surface	1.0	-	-	21.9	21.9	7.9	7.9	30.0	30.0	88.3	88.3	6.5	6.5	3.9	4	-	-	819976	812654	-	-	-	-		
											1.0	-	-	21.9	21.9	7.9	7.9	30.0	30.0	88.3	88.3	6.5	6.5	4.0	3	-	-	819976	812654	-	-				
											2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812654				
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812654	-	-							
						3.4	-	-	21.9	21.9	7.8	7.8	30.1	30.1	89.6	89.6	6.6	6.6	4.4	4	-	-	819976	812654	-	-									
						3.4	-	-	21.9	21.9	7.8	7.8	30.0	30.0	89.9	89.9	6.6	6.6	4.3	5	-	-	819976	812654	-	-									
					SR2	Cloudy	Moderate	08:21	4.8	Surface	1.0	0.4	38	21.7	21.7	7.9	7.9	30.1	30.1	87.8	87.8	6.5	6.5	9.9	12	86	88	821473	814178	<0.2	1.3			<0.2	1.3
											1.0	0.4	41	21.7	21.7	7.9	7.9	30.2	30.2	87.8	87.8	6.5	6.5	9.9	13	86	88	821473	814178	<0.2	1.4				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821473	814178				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821473	814178	<0.2	1.3							
	3.8	0.2	35	21.7						21.7	7.9	7.9	30.2	30.2	88.0	88.0	6.5	6.5	9.6	17	89	89	821473	814178	<0.2	1.2									
	3.8	0.3	36	21.7						21.7	7.9	7.9	30.2	30.2	88.2	88.2	6.5	6.5	9.7	17	89	89	821473	814178	<0.2	1.2									
SR3	Cloudy	Moderate	09:49	9.3						Surface	1.0	0.0	34	22.2	22.2	7.8	7.8	27.8	27.8	89.9	89.9	6.7	6.7	4.1	6	-	-	822129	807563	-	-	-	-		
											1.0	0.0	37	22.1	22.1	7.8	7.8	27.8	27.8	89.5	89.5	6.7	6.7	4.3	5	-	-	822129	807563	-	-				
											4.7	0.0	316	21.9	21.9	7.8	7.8	28.1	28.1	87.6	87.6	6.5	6.5	6.8	5	-	-	822129	807563	-	-				
					Middle	4.7	0.0	336	21.9	21.9	7.8	7.8	28.1	28.1	87.6	87.6	6.5	6.5	7.0	6	-	-	822129	807563	-	-									
						8.3	0.1	348	22.0	22.0	7.8	7.8	28.2	28.2	87.9	87.9	6.5	6.5	7.8	8	-	-	822129	807563	-	-									
						8.3	0.1	320	22.0	22.0	7.8	7.8	28.2	28.2	88.0	88.0	6.5	6.5	7.8	9	-	-	822129	807563	-	-									
					SR4A	Misty	Calm	08:42	9.0	Surface	1.0	0.0	78	22.1	22.1	8.1	8.1	29.7	29.7	89.2	89.2	6.6	6.6	6.5	10	-	-	817183	807829	-	-			-	-
											1.0	0.0	83	22.1	22.1	8.1	8.1	29.7	29.7	89.1	89.1	6.5	6.5	6.5	9	-	-	817183	807829	-	-				
											4.5	0.1	80	22.1	22.1	8.0	8.0	29.7	29.7	88.7	88.7	6.5	6.5	7.5	10	-	-	817183	807829	-	-				
Middle	4.5	0.1	80	22.1						22.1	8.0	8.0	29.7	29.7	88.7	88.7	6.5	6.5	7.6	10	-	-	817183	807829	-	-									
	8.0	0.1	98	22.1						22.1	8.0	8.0	29.7	29.7	88.5	88.5	6.5	6.5	8.9	9	-	-	817183	807829	-	-									
	8.0	0.2	101	22.1						22.1	8.0	8.0	29.7	29.7	89.2	89.2	6.6	6.6	8.9	9	-	-	817183	807829	-	-									
SR5A	Misty	Calm	08:25	3.6						Surface	1.0	0.2	280	22.1	22.1	8.0	8.0	29.2	29.2	87.6	87.6	6.5	6.5	6.6	7	-	-	816593	810680	-	-	-	-		
											1.0	0.2	280	22.1	22.1	8.0	8.0	29.2	29.2	87.6	87.6	6.5	6.5	6.6	8	-	-	816593	810680	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816593	810680				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816593	810680	-	-							
						2.6	0.1	298	22.1	22.1	8.0	8.0	29.2	29.2	87.9	87.9	6.5	6.5	6.9	6	-	-	816593	810680	-	-									
						2.6	0.1	319	22.1	22.1	8.0	8.0	29.2	29.2	88.0	88.0	6.5	6.5	7.0	5	-	-	816593	810680	-	-									
					SR6A	Misty	Calm	07:59	4.0	Surface	1.0	0.1	234	22.0																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
						Value	Average	Value	Average	Value	Average	Value	Average	Value	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	Misty	Moderate	15:19	8.8	Surface	1.0	0.3	213	23.2	23.1	8.1	8.1	30.8	30.8	104.1	104.0	7.5	7.3	4.4	7.0	6	7	87	88	88	88	88	815637	804235	<0.2	1.3	<0.2	1.4								
						1.0	0.3	228	23.1	8.1	8.1	30.8	30.8	103.8	103.8	7.4	7.4	4.4	7.0	7	7	87	88	88	88	<0.2				1.3	<0.2	1.4									
						4.4	0.2	203	22.4	8.1	8.1	32.0	32.0	98.8	98.8	7.1	7.1	6.1	7.0	7	7	88	88	88	88	<0.2				1.3	<0.2	1.4									
					Middle	4.4	0.2	218	22.4	8.1	8.1	32.0	32.0	98.7	98.8	7.1	7.1	6.2	7.0	7	7	88	88	88	88	<0.2				1.3	<0.2	1.4									
						7.8	0.2	191	22.0	8.1	8.0	33.1	33.1	94.0	94.1	6.8	6.8	10.5	6.8	7	7	89	89	89	89	<0.2				1.3	<0.2	1.4									
						7.8	0.2	200	22.0	8.0	8.0	33.1	33.1	94.2	94.2	6.8	6.8	10.3	6.8	8	8	89	89	89	89	<0.2				1.3	<0.2	1.4									
					C2	Cloudy	Moderate	14:10	12.5	Surface	1.0	0.3	183	23.2	23.2	8.1	8.1	25.6	25.6	91.1	91.1	6.7	6.5	3.0	5.3	7				7	88	89	91	91	91	825684	806952	<0.2	1.7	<0.2	1.8
											1.0	0.3	186	23.2	8.1	8.1	25.6	25.6	91.0	91.0	6.7	6.5	3.0	5.3	7	7				89	90	90	90	<0.2				1.6	<0.2	1.8	
											6.3	0.2	174	22.3	8.2	8.2	28.7	28.6	84.0	84.0	6.2	6.2	5.4	6.2	7	7				90	90	90	90	<0.2				1.6	<0.2	1.8	
Middle	6.3	0.2	189	22.3						8.2	8.2	28.6	28.6	84.0	84.0	6.2	6.2	5.4	6.2	7	7	90	90	90	90	<0.2	1.6	<0.2	1.8												
	11.5	0.3	191	22.2						8.2	8.2	29.0	29.0	83.8	83.8	6.2	6.2	7.6	6.2	7	7	93	93	93	93	<0.2	1.6	<0.2	1.6												
	11.5	0.3	201	22.2						8.2	8.2	29.0	29.0	83.8	83.8	6.2	6.2	7.3	6.2	6	6	93	93	93	93	<0.2	1.6	<0.2	1.6												
C3	Cloudy	Moderate	16:20	12.2						Surface	1.0	0.5	41	22.8	22.8	8.2	8.2	28.3	28.3	89.3	89.2	6.5	6.3	2.3	3.2	7	7	89	90	90	90	90	822130	817824				<0.2	1.5	<0.2	1.5
											1.0	0.5	41	22.8	8.2	8.2	28.3	28.3	89.1	89.2	6.5	6.3	2.3	3.0	7	7	89	89	89	89	<0.2							1.5	<0.2	1.5	
											6.1	0.2	27	22.2	8.2	8.2	29.7	29.7	83.8	83.8	6.1	6.1	4.0	6.1	8	8	89	89	89	89	<0.2							1.4	<0.2	1.5	
					Middle	6.1	0.2	29	22.2	8.2	8.2	29.7	29.7	83.8	83.8	6.1	6.1	4.0	6.1	7	7	89	89	89	89	<0.2	1.5	<0.2	1.5												
						11.2	0.1	57	22.2	8.2	8.2	29.8	29.8	84.1	84.1	6.2	6.2	3.3	6.2	8	8	92	92	92	92	<0.2	1.5	<0.2	1.5												
						11.2	0.1	58	22.2	8.2	8.2	29.8	29.8	84.1	84.1	6.2	6.2	3.2	6.2	8	8	93	93	93	93	<0.2	1.5	<0.2	1.5												
					IM1	Misty	Moderate	14:58	5.0	Surface	1.0	0.1	190	22.7	22.7	8.0	8.0	30.6	30.6	95.7	95.6	6.9	6.9	7.7	6.9	7	6	85	85	87	87				87	817941	807131	<0.2	1.3	<0.2	1.5
											1.0	0.1	205	22.7	8.0	8.0	30.6	30.6	95.5	95.5	6.9	6.9	7.8	6.9	6	6	85	85	87	87	<0.2							1.5	<0.2	1.5	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			
	4.0	0.1	206	22.2						8.0	8.0	32.1	32.1	93.7	93.7	6.8	6.8	8.9	6.8	5	5	89	89	89	89	<0.2	1.3	<0.2	1.2												
	4.0	0.1	216	22.2						8.0	8.0	32.1	32.1	93.6	93.6	6.8	6.8	8.8	6.8	5	5	89	89	89	89	<0.2	1.2	<0.2	1.2												
IM2	Misty	Moderate	14:50	7.0						Surface	1.0	0.2	165	22.8	22.8	8.0	8.0	30.7	30.7	99.7	99.7	7.2	7.1	5.6	9.0	4	5	86	86	87	87	87	818174	806168				<0.2	1.2	<0.2	1.4
											1.0	0.2	167	22.8	8.0	8.0	30.7	30.7	99.6	99.6	7.2	7.1	5.6	9.0	5	5	86	86	87	87	<0.2							1.2	<0.2	1.4	
											3.5	0.2	123	22.3	8.0	8.0	31.8	31.8	96.7	96.7	7.0	7.0	7.2	7.0	5	5	89	89	89	89	<0.2							1.2	<0.2	1.4	
					Middle	3.5	0.2	130	22.3	8.0	8.0	31.8	31.8	96.6	96.7	7.0	7.0	7.2	7.0	5	5	89	89	89	89	<0.2	1.2	<0.2	1.4												
						6.0	0.2	136	22.2	8.0	8.0	32.4	32.4	94.9	94.9	6.9	6.9	14.0	6.9	6	6	87	87	87	87	<0.2	1.2	<0.2	1.2												
						6.0	0.2	144	22.2	8.0	8.0	32.4	32.4	94.8	94.8	6.9	6.9	14.2	6.9	6	6	87	87	87	87	<0.2	1.2	<0.2	1.4												
					IM3	Misty	Moderate	14:43	7.2	Surface	1.0	0.1	207	23.1	23.1	8.1	8.1	30.1	30.1	107.4	107.4	7.7	7.5	3.9	6.2	6	7	88	88	89	89				89	818761	805609	<0.2	1.3	<0.2	1.4
											1.0	0.2	208	23.1	8.1	8.1	30.1	30.1	107.4	107.4	7.7	7.5	3.9	6.2	7	7	88	88	88	88	<0.2							1.2	<0.2	1.4	
											3.6	0.1	191	22.5	8.1	8.1	31.5	31.5	99.9	99.9	7.2	7.2	5.3	7.2	8	8	89	89	89	89	<0.2							1.4	<0.2	1.4	
Middle	3.6	0.1	192	22.5						8.1	8.1	31.5	31.5	99.9	99.9	7.2	7.2	5.3	7.2	8	8	89	89	89	89	<0.2	1.4	<0.2	1.4												
	6.2	0.3	122	22.1						8.0	8.0	32.4	32.4	96.2	96.1	7.0	7.0	9.2	6.9	8	8	89	89	89	89	<0.2	1.3	<0.2	1.3												
	6.2	0.3	126	22.1						8.0	8.0	32.4	32.4	96.0	96.0	6.9	6.9	9.4	6.9	8	8	90	90	90	90	<0.2	1.2	<0.2	1.2												
IM4	Misty	Moderate	14:33	8.4						Surface	1.0	0.3	228	22.8	22.8	8.0	8.0	30.2	30.3	97.0	96.9	7.0	7.0	5.1	6.1	7	7	86	86	88	88	88	819725	804609				<0.2	1.2	<0.2	1.2
											1.0	0.4	236	22.7	8.0	8.0	30.4	30.3	97.0	96.9	7.0	7.0	5.3	6.1	7	7	86	86	88	88	<0.2							1.2	<0.2	1.2	
											4.2	0.2	171	22.3	8.0	8.0	31.5	31.5	94.9	94.9	6.9	6.9	6.1	6.9	7	7	89	89	89	89	<0.2							1.4	<0.2	1.4	
					Middle	4.2	0.2	171	22.3	8.0	8.0	31.5	31.5	94.8	94.9	6.9	6.9	6.1	6.9	7	7	89	89	89	89	<0.2	1.4	<0.2	1.4												
						7.4	0.2	140	22.2	8.0	8.0	32.2	32.2	94.1	94.1	6.8	6.8	7.0	6.8	7	7	90	90	90	90	<0.2	1.1	<0.2	1.1												
						7.4	0.2	145	22.2	8.0	8.0	32.2	32.2	94.1	94.1	6.8	6.8	7.0	6.8	6	6	90	90	90	90	<0.2	1.1	<0.2	1.1												
					IM5	Misty	Moderate	14:25	8.8	Surface	1.0	0.3	220	23.1	23.1	8.0	8.0	29.0	29.0	99.6	99.7	7.2	7.1	4.4	6.8	7	7	84	84	88	88				88	820757	804852	<0.2	1.3	<0.2	1.2
											1.0	0.3	226	23.1	8.0	8.0	29.0	29.0	99.7	99.7	7.2	7.1	4.4	6.8	8	8	84	84	88	88	<0.2							1.2	<0.2	1.2	
											4.4	0.2	160	22.4	8.0	8.0	31.3	31.3	94.9	95.0	6.9	6.9	7.0	6.9	7	7	88	88	88	88	<0.2							1.2	<0.2	1.2	
Middle	4.4	0.2	175	22.4						8.0	8.0	31.3	31.3	95.1	95.0	6.9	6.9	7.1	6.9	6	6	88	88	88	88	<0.2	1.1	<0.2	1.1												
	7.8	0.2	160	22.2						8.0	8.0	31.7	31.7	93.4	93.5	6.8	6.8	8.8	6.8	6	6	91	91	91	91	<0.2	1.2	<0.2	1.2												
	7.8	0.2																																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	14:40	7.7	Surface	1.0	0.2	114	23.2	23.2	8.2	8.2	26.4	26.4	95.6	95.6	7.0	7.0	2.2	4	88	90	90	822116	808816	<0.2	1.5	<0.2	1.5			
						1.0	0.2	119	23.2	22.8	8.2	8.2	26.4	26.4	95.5	95.5	7.0	7.0	2.2	5	89	90	90			<0.2	1.5	<0.2	1.5			
						3.9	0.2	88	22.8	22.8	8.2	8.2	27.9	27.9	92.5	92.6	6.8	6.8	7.3	6	90	90	90			<0.2	1.5	<0.2	1.5			
					Middle	3.9	0.2	88	22.8	22.8	8.2	8.2	27.9	27.9	92.6	92.6	6.8	6.8	7.4	7	90	90	90			<0.2	1.5	<0.2	1.5			
						6.7	0.2	69	22.8	22.8	8.2	8.2	28.4	28.4	93.9	93.9	6.9	6.9	9.5	7	92	93	93			<0.2	1.5	<0.2	1.5			
						6.7	0.2	70	22.8	22.8	8.2	8.2	28.4	28.4	93.8	93.8	6.9	6.9	9.6	7	93	93	93			<0.2	1.5	<0.2	1.5			
					Bottom	6.7	0.2	70	22.8	22.8	8.2	8.2	28.4	28.4	93.9	93.9	6.9	6.9	9.5	7	92	93	93			<0.2	1.5	<0.2	1.5			
						6.7	0.2	70	22.8	22.8	8.2	8.2	28.4	28.4	93.8	93.8	6.9	6.9	9.6	7	93	93	93			<0.2	1.5	<0.2	1.5			
						6.7	0.2	70	22.8	22.8	8.2	8.2	28.4	28.4	93.9	93.9	6.9	6.9	9.5	7	92	93	93			<0.2	1.5	<0.2	1.5			
IM10	Cloudy	Moderate	14:48	7.5	Surface	1.0	0.5	103	22.8	22.8	8.2	8.2	27.4	27.4	89.4	89.4	6.6	6.6	3.3	6	89	91	91	822375	809807	<0.2	1.5	<0.2	1.6			
						1.0	0.5	103	22.8	22.5	8.2	8.2	27.4	27.4	89.4	89.4	6.6	6.6	3.3	7	89	90	90			<0.2	1.6	<0.2	1.6			
						3.8	0.5	101	22.5	22.5	8.2	8.2	28.3	28.2	84.5	84.5	6.2	6.2	9.1	7	90	90	90			<0.2	1.6	<0.2	1.6			
					Middle	3.8	0.5	102	22.5	22.5	8.2	8.2	28.2	28.2	84.4	84.4	6.2	6.2	9.2	7	90	90	90			<0.2	1.6	<0.2	1.6			
						6.5	0.4	96	22.6	22.6	8.2	8.2	28.2	28.2	84.7	84.8	6.2	6.2	10.9	7	93	93	93			<0.2	1.5	<0.2	1.6			
						6.5	0.5	99	22.6	22.6	8.2	8.2	28.2	28.2	84.9	84.9	6.2	6.2	10.6	7	93	93	93			<0.2	1.5	<0.2	1.6			
					Bottom	6.5	0.4	96	22.6	22.6	8.2	8.2	28.2	28.2	84.7	84.8	6.2	6.2	10.9	7	93	93	93			<0.2	1.5	<0.2	1.6			
						6.5	0.5	99	22.6	22.6	8.2	8.2	28.2	28.2	84.9	84.9	6.2	6.2	10.6	7	93	93	93			<0.2	1.5	<0.2	1.6			
						6.5	0.5	99	22.6	22.6	8.2	8.2	28.2	28.2	84.9	84.9	6.2	6.2	10.6	7	93	93	93			<0.2	1.5	<0.2	1.6			
IM11	Cloudy	Moderate	14:59	9.3	Surface	1.0	0.6	113	23.3	23.3	8.1	8.1	26.6	26.6	96.8	96.8	7.1	7.1	2.3	6	88	90	90	822055	811436	<0.2	1.5	<0.2	1.5			
						1.0	0.7	113	23.2	22.8	8.1	8.1	26.7	26.6	96.7	96.7	7.1	7.1	2.4	6	89	90	90			<0.2	1.5	<0.2	1.5			
						4.7	0.6	108	22.8	22.8	8.1	8.1	27.4	27.4	90.2	90.3	6.6	6.6	3.1	6	90	90	90			<0.2	1.5	<0.2	1.5			
					Middle	4.7	0.6	116	22.8	22.8	8.1	8.1	27.4	27.4	90.3	90.3	6.6	6.6	3.1	6	90	90	90			<0.2	1.5	<0.2	1.5			
						8.3	0.3	74	22.5	22.5	8.2	8.2	28.4	28.4	86.1	86.1	6.3	6.3	7.7	6	91	91	91			<0.2	1.6	<0.2	1.6			
						8.3	0.3	79	22.5	22.5	8.2	8.2	28.4	28.4	86.1	86.1	6.3	6.3	7.6	7	91	91	91			<0.2	1.6	<0.2	1.6			
					Bottom	8.3	0.3	74	22.5	22.5	8.2	8.2	28.4	28.4	86.1	86.1	6.3	6.3	7.7	6	91	91	91			<0.2	1.6	<0.2	1.6			
						8.3	0.3	79	22.5	22.5	8.2	8.2	28.4	28.4	86.1	86.1	6.3	6.3	7.6	7	91	91	91			<0.2	1.6	<0.2	1.6			
						8.3	0.3	79	22.5	22.5	8.2	8.2	28.4	28.4	86.1	86.1	6.3	6.3	7.6	7	91	91	91			<0.2	1.6	<0.2	1.6			
IM12	Cloudy	Moderate	15:05	9.5	Surface	1.0	0.6	109	23.2	23.2	8.2	8.2	26.5	26.6	93.5	93.5	6.9	6.9	2.9	5	89	91	91	821457	812042	<0.2	1.6	<0.2	1.6			
						1.0	0.6	118	23.1	22.6	8.2	8.2	26.6	26.6	93.5	93.5	6.9	6.9	3.0	5	89	91	91			<0.2	1.6	<0.2	1.6			
						4.8	0.5	108	22.6	22.6	8.2	8.2	28.0	28.0	85.7	85.7	6.3	6.3	7.6	6	91	91	91			<0.2	1.6	<0.2	1.6			
					Middle	4.8	0.5	108	22.6	22.6	8.2	8.2	28.0	28.0	85.6	85.6	6.3	6.3	7.9	7	91	91	91			<0.2	1.6	<0.2	1.6			
						8.5	0.3	80	22.6	22.6	8.2	8.2	28.1	28.1	85.6	85.7	6.3	6.3	11.9	6	93	93	93			<0.2	1.6	<0.2	1.6			
						8.5	0.3	82	22.6	22.6	8.2	8.2	28.1	28.1	85.8	85.8	6.3	6.3	11.7	7	93	93	93			<0.2	1.7	<0.2	1.7			
					Bottom	8.5	0.3	80	22.6	22.6	8.2	8.2	28.1	28.1	85.6	85.7	6.3	6.3	11.9	6	93	93	93			<0.2	1.6	<0.2	1.6			
						8.5	0.3	82	22.6	22.6	8.2	8.2	28.1	28.1	85.8	85.8	6.3	6.3	11.7	7	93	93	93			<0.2	1.7	<0.2	1.7			
						8.5	0.3	82	22.6	22.6	8.2	8.2	28.1	28.1	85.8	85.8	6.3	6.3	11.7	7	93	93	93			<0.2	1.7	<0.2	1.7			
SR1A	Cloudy	Calm	15:42	5.0	Surface	1.0	-	-	23.2	23.2	8.2	8.2	27.2	27.2	92.3	92.3	6.8	6.8	2.9	6	-	-	-	819979	812660	-	-	-	-			
						1.0	-	-	23.2	23.2	8.2	8.2	27.2	27.2	92.2	92.2	6.7	6.7	3.0	5	-	-	-			-	-	-	-			
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						4.0	-	-	22.9	22.9	8.2	8.2	27.8	27.8	88.0	88.1	6.4	6.4	6.8	5	-	-	-	-	-			-	-	-	-	-
						4.0	-	-	22.9	22.9	8.2	8.2	27.8	27.8	88.2	88.2	6.5	6.5	6.9	4	-	-	-	-	-			-	-	-	-	-
					Bottom	4.0	-	-	22.9	22.9	8.2	8.2	27.8	27.8	88.0	88.1	6.4	6.4	6.8	5	-	-	-	-	-			-	-	-	-	-
						4.0	-	-	22.9	22.9	8.2	8.2	27.8	27.8	88.2	88.2	6.5	6.5	6.9	4	-	-	-	-	-			-	-	-	-	-
						4.0	-	-	22.9	22.9	8.2	8.2	27.8	27.8	88.2	88.2	6.5	6.5	6.9	4	-	-	-	-	-			-	-	-	-	-
SR2	Cloudy	Moderate	15:59	3.7	Surface	1.0	0.5	71	23.2	23.2	8.2	8.2	27.0	27.0	95.5	95.6	7.0	7.0	2.4	7	89	90	90	821477	814147	<0.2	1.5	<0.2	1.4			
						1.0	0.5	74	23.2	22.9	8.2	8.2	27.0	27.0	95.7	95.7	7.0	7.0	2.3	6	89	90	90			<0.2	1.4	<0.2	1.4			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	1.5	<0.2	1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	1.5	<0.2	1.5	
						2.7	0.3	74	22.9	22.9	8.2	8.2	27.6	27.6	90.7	90.7	6.6	6.6	4.9	6	91	91	91			<0.2	1.5	<0.2	1.5			
						2.7	0.3	79	22.9	22.9	8.2	8.2	27.6	27.6	90.6	90.6	6.6	6.6	4.9	6	92	92	92			<0.2	1.6	<0.2	1.6			
					Bottom	2.7	0.3	74	22.9	22.9	8.2	8.2	27.6																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Misty	Moderate	10:08	9.0	Surface	1.0	0.7	55	22.4	8.0	8.0	30.7	30.7	96.9	97.0	7.0	7.0	5.3	5	85	87	815612	804237	<0.2	1.4	1.4	1.4					
						1.0	0.8	58	22.5	8.0	8.0	30.7	30.7	97.0	97.0	7.0	7.0	5.3	5	85	87	<0.2	1.4	1.4	1.4							
						4.5	0.8	55	22.1	8.0	8.0	32.1	32.1	96.0	96.0	7.0	7.0	16.1	5	88	88	<0.2	1.4	1.4	1.4							
					Middle	4.5	0.8	59	22.1	8.0	8.0	32.1	32.1	95.9	95.9	6.9	6.9	16.6	5	88	88	<0.2	1.4	1.4	1.4							
						8.0	0.6	50	22.0	8.0	8.0	32.9	32.9	95.0	95.0	6.9	6.9	18.3	4	88	88	<0.2	1.4	1.4	1.4							
						8.0	0.7	53	22.0	8.0	8.0	32.9	32.9	95.4	95.4	6.9	6.9	18.5	5	89	89	<0.2	1.4	1.4	1.4							
					C2	Cloudy	Moderate	10:33	12.6	Surface	1.0	0.5	327	23.0	8.1	8.1	25.9	25.9	95.0	95.0	7.0	7.0	1.4	7	86	86	825690	806939	<0.2	1.7	1.6	1.6
											1.0	0.5	335	23.0	8.1	8.1	25.9	25.9	94.9	94.9	7.0	7.0	1.5	8	86	86	<0.2	1.7	1.7	1.7		
											6.3	0.4	324	22.8	8.1	8.1	26.6	26.5	89.1	89.1	6.6	6.6	4.2	6	89	89	<0.2	1.7	1.7	1.7		
Middle	6.3	0.4	330	22.8						8.1	8.1	26.5	26.5	89.1	89.1	6.6	6.6	3.9	5	89	89	<0.2	1.7	1.7	1.7							
	11.6	0.3	313	22.7						8.1	8.1	26.9	26.9	86.9	86.9	6.4	6.4	12.9	5	93	93	<0.2	1.3	1.3	1.3							
	11.6	0.3	341	22.7						8.1	8.1	26.9	26.9	86.9	86.9	6.4	6.4	12.4	4	93	93	<0.2	1.4	1.4	1.4							
C3	Cloudy	Moderate	08:27	11.8						Surface	1.0	0.4	293	22.7	8.1	8.1	27.5	27.5	88.4	88.4	6.5	6.4	1.9	6	87	87	822119	817821	<0.2	1.5	1.6	1.6
											1.0	0.5	294	22.7	8.1	8.1	27.5	27.5	88.4	88.4	6.5	6.4	1.9	5	88	88	<0.2	1.5	1.6	1.6		
											5.9	0.5	285	22.2	8.1	8.1	29.1	29.1	84.6	84.6	6.2	6.2	1.9	5	88	88	<0.2	1.6	1.6	1.6		
					Middle	5.9	0.6	301	22.2	8.1	8.1	29.1	29.1	84.6	84.6	6.2	6.2	1.9	5	88	88	<0.2	1.6	1.6	1.6							
						10.8	0.5	293	22.2	8.1	8.1	29.5	29.5	83.9	83.9	6.2	6.2	9.6	4	94	94	<0.2	1.6	1.6	1.6							
						10.8	0.5	304	22.2	8.1	8.1	29.5	29.5	84.0	84.0	6.2	6.2	9.6	4	94	94	<0.2	1.6	1.6	1.6							
					IM1	Misty	Calm	10:28	5.2	Surface	1.0	0.1	25	22.9	8.0	8.0	30.2	30.2	98.4	98.4	7.1	7.1	6.0	5	83	83	817969	807154	<0.2	1.3	1.3	1.3
											1.0	0.1	27	22.9	8.0	8.0	30.2	30.2	98.4	98.4	7.1	7.1	6.1	6	84	84	<0.2	1.3	1.3	1.3		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.2	0.2	34	22.8						8.0	8.0	30.3	30.3	95.5	95.5	6.9	6.9	7.2	6	86	86	<0.2	1.3	1.3	1.3							
	4.2	0.2	36	22.8						8.0	8.0	30.3	30.3	95.4	95.4	6.9	6.9	7.1	7	87	87	<0.2	1.4	1.4	1.4							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Misty	Calm	10:35	7.2						Surface	1.0	0.3	22	22.8	8.0	8.0	29.8	29.8	97.9	97.5	7.1	7.1	7.4	3	84	84	818145	806161	<0.2	1.4	1.4	1.4
											1.0	0.4	22	22.7	8.0	8.0	30.0	29.9	97.1	97.0	7.0	7.0	7.3	4	84	84	<0.2	1.5	1.5	1.5		
											3.6	0.3	26	22.5	8.0	8.0	30.9	30.9	95.9	95.7	7.0	7.0	11.3	4	88	88	<0.2	1.5	1.5	1.5		
					Middle	3.6	0.3	26	22.5	8.0	8.0	30.9	30.9	95.4	95.4	6.9	6.9	11.6	4	88	88	<0.2	1.4	1.4	1.4							
						6.2	0.2	7	22.4	8.0	8.0	31.0	31.0	95.1	95.1	6.9	6.9	19.0	5	89	89	<0.2	1.4	1.4	1.4							
						6.2	0.2	7	22.4	8.0	8.0	31.0	31.0	95.1	95.1	6.9	6.9	19.1	5	89	89	<0.2	1.4	1.4	1.4							
					IM3	Misty	Moderate	10:42	7.4	Surface	1.0	0.3	4	22.8	8.0	8.0	29.7	29.7	97.6	97.6	7.1	7.1	7.8	4	85	85	818784	805594	<0.2	1.4	1.3	1.3
											1.0	0.3	4	22.7	8.0	8.0	29.7	29.7	97.5	97.5	7.1	7.1	7.9	4	85	85	<0.2	1.4	1.4	1.4		
											3.7	0.3	0	22.3	8.0	8.0	31.2	31.2	94.8	94.8	6.9	6.9	14.7	4	87	87	<0.2	1.3	1.3	1.3		
Middle	3.7	0.4	0	22.3						8.0	8.0	31.2	31.2	94.8	94.8	6.9	6.9	14.3	4	87	87	<0.2	1.3	1.3	1.3							
	6.4	0.3	1	22.3						8.0	8.0	31.2	31.2	94.5	94.5	6.9	6.9	17.1	4	90	90	<0.2	1.3	1.3	1.3							
	6.4	0.3	1	22.3						8.0	8.0	31.2	31.2	94.0	94.0	6.8	6.8	17.3	6	90	90	<0.2	1.2	1.2	1.2							
IM4	Misty	Moderate	10:50	8.8						Surface	1.0	0.6	329	22.7	8.0	8.0	29.8	29.8	97.7	97.6	7.1	7.1	8.1	5	83	83	819721	804624	<0.2	1.4	1.4	1.4
											1.0	0.6	336	22.7	8.0	8.0	29.8	29.8	97.4	97.4	7.1	7.1	8.2	4	84	84	<0.2	1.4	1.4	1.4		
											4.4	0.5	346	22.2	8.0	8.0	31.4	31.4	94.2	94.1	6.8	6.8	16.9	5	84	84	<0.2	1.3	1.3	1.3		
					Middle	4.4	0.5	318	22.2	8.0	8.0	31.4	31.4	94.0	94.0	6.8	6.8	16.8	5	89	89	<0.2	1.5	1.5	1.5							
						7.8	0.4	357	22.2	8.0	8.0	31.5	31.5	94.2	94.1	6.8	6.8	18.6	6	90	90	<0.2	1.3	1.3	1.3							
						7.8	0.5	358	22.2	8.0	8.0	31.5	31.5	93.9	93.9	6.8	6.8	18.4	5	90	90	<0.2	1.3	1.3	1.3							
					IM5	Misty	Moderate	10:57	7.6	Surface	1.0	0.8	352	22.8	8.0	8.0	29.9	29.9	98.9	98.9	7.2	7.1	8.3	7	83	83	820716	804848	<0.2	1.4	1.4	1.4
											1.0	0.9	324	22.8	8.0	8.0	29.9	29.9	98.8	98.8	7.2	7.1	8.4	8	83	83	<0.2	1.4	1.4	1.4		
											3.8	0.7	358	22.5	8.0	8.0	30.4	30.4	96.4	96.4	7.0	7.1	11.0	8	89	89	<0.2	1.4	1.4	1.4		
Middle	3.8	0.7	329	22.5						8.0	8.0	30.4	30.4	96.3	96.3	7.0	7.0	11.2	9	89	89	<0.2	1.3	1.3	1.3							
	6.6	0.6	3	22.5						8.0	8.0	30.5	30.5	95.0	95.1	6.9	6.9	13.5	10	89	89	<0.2	1.5	1.5	1.5							
	6.6	0.6	3	22.5						8.0	8.0	30.5	30.5	95.1	95.1	6.9	6.9	13.4	11	89	89	<0.2	1.4	1.4	1.4							
IM6	Misty	Moderate	11:05	7.6						Surface	1.0	0.1	211	23.0	7.9	7.9	27.3	27.3	97.2	97.3	7.1	7.1	4.3	6	84	84	821056	805810	<0.2	1.3	1.5	1.5
											1.0	0.1	225	23.0	7.9	7.9	27.3	27.3	97.3	97.3	7.1	7.1	4.3	8	84	84	<0.2	1.5	1.5	1.5		
											3.8	0.2	58	22.9	8.0	8.0	28.6	28.6	96.5	96.5	7.0	7.1	6.4	8	87	87	<0.2	1.4	1.4	1.4		
					Middle	3.8	0.2	61	22.9	8.0	8.0	28.6	28.6	96.5	96.5	7.0	7.0	6.4	9	87	87	<0.2	1.5	1.5	1.5							
						6.6	0.2	50	22.9	8.0	8.0	29.6	29.6	96.1	96.3	7.0	7.0	7.2	9	89	89	<0.2	1.4	1.4	1.4							
						6.6	0.2	54	22.9	8.0	8.0	29.6	29.6	96.4	96.4	7.0	7.0	7.3	10	89	89	<0.2	1.4	1.4	1.4							
					IM7	Misty	Calm	11:08	7.4	Surface	1.0	0.0	0	23.0	7.9	7.9	26.9	26.9	95.7	95.8	7.0	7.1	4.2	4	84	84	821346	806818	<0.2	1.3	1.3	1.3
											1.0	0.0	0	23.0	7.9	7.9	26.9	26.9	95.8	95.8	7.0	7.1	4.2	4	88	88	<0.2	1.3	1.3	1.3		
											3																					

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

Water Quality Monitoring Results on 18 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Moderate	10:01	7.5	Surface	1.0	0.0	242	22.9	22.9	8.3	8.3	26.4	26.4	89.5	89.5	6.6	6.6	5.9	5.9	15	15	88	88	822098	808825	<0.2	1.7	<0.2	1.6							
						1.0	0.0	262	22.9	8.3	8.3	26.4	26.4	89.5	89.5	6.6	6.6	6.1	6.1	15	15	89	89	<0.2			1.6	<0.2	1.6								
						3.8	0.0	76	22.9	8.3	8.3	26.5	26.5	88.6	88.6	6.5	6.5	9.8	9.8	14	14	90	90	<0.2			1.6	<0.2	1.6								
					Middle	3.8	0.0	77	22.9	8.3	8.3	26.5	26.5	88.6	88.6	6.5	6.5	9.7	9.7	13	13	90	90	<0.2			1.6	<0.2	1.6								
						6.5	0.0	102	22.9	8.3	8.3	26.6	26.6	88.1	88.1	6.5	6.5	11.3	11.3	12	12	92	92	<0.2			1.4	<0.2	1.4								
						6.5	0.0	107	22.9	8.3	8.3	26.6	26.6	88.1	88.1	6.5	6.5	11.4	11.4	11	11	92	92	<0.2			1.4	<0.2	1.4								
					IM10	Cloudy	Moderate	09:54	9.0	Surface	1.0	0.8	280	22.9	22.9	8.1	8.1	26.5	26.5	91.3	91.2	6.7	6.7	2.2			2.2	11	11	87	87	822386	809793	<0.2	1.4	<0.2	1.5
											1.0	0.8	297	22.9	8.1	8.1	26.5	26.5	91.0	91.0	6.7	6.7	2.2	2.2			10	10	88	88	<0.2			1.5	<0.2	1.4	
											4.5	0.6	280	22.8	8.1	8.1	27.2	27.2	87.8	87.8	6.5	6.5	9.2	9.2			8	8	92	92	<0.2			1.5	<0.2	1.4	
Middle	4.5	0.7	292	22.8						8.1	8.1	27.2	27.2	87.8	87.8	6.5	6.5	9.3	9.3	8	8	92	92	<0.2	1.4	<0.2	1.4										
	8.0	0.5	279	22.8						8.1	8.1	27.3	27.3	87.1	87.1	6.4	6.4	15.1	15.1	6	6	93	93	<0.2	1.5	<0.2	1.3										
	8.0	0.5	286	22.8						8.1	8.1	27.3	27.3	87.2	87.2	6.4	6.4	14.9	14.9	7	7	93	93	<0.2	1.3	<0.2	1.3										
IM11	Cloudy	Moderate	09:45	8.6						Surface	1.0	0.8	283	22.7	22.7	8.1	8.1	27.4	27.4	88.4	88.4	6.5	6.5	3.1	3.1	12	12	87	87	822063	811448			<0.2	1.4	<0.2	1.4
											1.0	0.8	309	22.7	8.1	8.1	27.4	27.4	88.3	88.3	6.5	6.5	3.1	3.1	12	12	87	87	<0.2					1.4	<0.2	1.4	
											4.3	0.6	289	22.6	8.1	8.1	27.8	27.8	86.4	86.4	6.4	6.4	10.0	10.0	8	8	90	90	<0.2					1.5	<0.2	1.5	
					Middle	4.3	0.6	294	22.6	8.1	8.1	27.8	27.8	86.3	86.3	6.4	6.4	10.0	10.0	7	7	90	90	<0.2	1.5	<0.2	1.5										
						7.6	0.4	292	22.5	8.1	8.1	27.9	27.9	85.8	85.8	6.3	6.3	17.5	17.5	7	7	92	92	<0.2	1.5	<0.2	1.5										
						7.6	0.4	318	22.5	8.1	8.1	27.9	27.9	85.8	85.8	6.3	6.3	17.2	17.2	6	6	93	93	<0.2	1.5	<0.2	1.5										
					IM12	Cloudy	Moderate	09:38	9.3	Surface	1.0	0.7	266	22.6	22.6	8.1	8.1	27.9	27.9	87.9	87.9	6.5	6.5	8.3	8.3	11	11	88	88			821440	812064	<0.2	1.3	<0.2	1.3
											1.0	0.7	273	22.6	8.1	8.1	27.9	27.9	87.9	87.9	6.5	6.5	8.3	8.3	13	13	88	88	<0.2					1.4	<0.2	1.4	
											4.7	0.7	267	22.6	8.1	8.1	27.9	27.9	87.2	87.2	6.4	6.4	11.0	11.0	15	15	89	89	<0.2					1.4	<0.2	1.4	
Middle	4.7	0.7	284	22.6						8.1	8.1	27.9	27.9	87.1	87.1	6.4	6.4	11.5	11.5	16	16	90	90	<0.2	1.5	<0.2	1.4										
	8.3	0.5	268	22.6						8.1	8.1	28.0	28.0	86.8	86.8	6.4	6.4	15.0	15.0	17	17	92	92	<0.2	1.4	<0.2	1.4										
	8.3	0.6	276	22.6						8.1	8.1	28.0	28.0	86.7	86.7	6.4	6.4	14.9	14.9	16	16	93	93	<0.2	1.4	<0.2	1.4										
SR1A	Cloudy	Calm	09:04	5.2						Surface	1.0	-	-	22.9	22.9	8.1	8.1	26.9	26.9	88.3	88.2	6.5	6.5	2.4	2.4	5	5	-	-	819972	812666			-	-	-	-
											1.0	-	-	22.9	22.9	8.1	8.1	26.9	26.9	88.1	88.1	6.5	6.5	2.4	2.4	6	6	-	-					-	-		
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-					
						4.2	-	-	22.9	22.9	8.1	8.1	27.2	27.1	87.2	87.2	6.4	6.4	3.0	3.0	7	7	-	-	-	-											
						4.2	-	-	22.9	22.9	8.1	8.1	27.1	27.1	87.2	87.2	6.4	6.4	3.0	3.0	6	6	-	-	-	-											
					SR2	Cloudy	Moderate	08:48	4.7	Surface	1.0	0.1	28	22.6	22.6	8.1	8.1	27.7	27.7	85.8	85.7	6.3	6.3	5.0	5.2	15	14	85	85			821459	814181	<0.2	1.4	<0.2	1.4
											1.0	0.1	28	22.6	8.1	8.1	27.8	27.7	85.6	85.6	6.3	6.3	5.2	5.2	14	14	85	85	<0.2					1.4	<0.2	1.4	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	3.7	0.1	121	22.4						8.1	8.1	28.3	28.3	84.6	84.7	6.2	6.2	5.9	5.9	11	11	91	91	<0.2	1.5	<0.2	1.5										
	3.7	0.1	127	22.5						8.1	8.1	28.3	28.3	84.7	84.7	6.2	6.2	5.9	5.9	10	10	91	91	<0.2	1.5	<0.2	1.5										
SR3	Cloudy	Moderate	10:13	9.5						Surface	1.0	0.1	316	23.0	23.0	8.1	8.1	26.1	26.1	90.6	90.6	6.7	6.7	2.7	2.8	7	7	-	-	822126	807558			-	-	-	-
											1.0	0.1	333	23.0	8.1	8.1	26.1	26.1	90.5	90.5	6.7	6.7	2.8	2.8	8	8	-	-	-					-			
											4.8	0.1	351	22.9	8.1	8.1	26.1	26.1	89.0	89.0	6.6	6.6	2.9	2.9	6	6	-	-	-					-			
					Middle	4.8	0.1	353	22.9	8.1	8.1	26.1	26.1	89.0	89.0	6.6	6.6	2.9	2.9	7	7	-	-	-	-												
						8.5	0.1	76	22.7	8.1	8.1	26.4	26.4	86.6	86.6	6.4	6.4	9.4	9.4	5	5	-	-	-	-												
						8.5	0.1	80	22.7	8.1	8.1	26.4	26.4	86.6	86.6	6.4	6.4	9.3	9.3	6	6	-	-	-	-												
					SR4A	Misty	Calm	09:45	8.2	Surface	1.0	0.0	75	23.1	23.1	7.9	7.9	29.4	29.4	93.5	93.6	6.8	6.8	6.5	6.5	9	9	-	-			817184	807801	-	-	-	-
											1.0	0.0	75	23.1	7.9	7.9	29.4	29.4	93.6	93.6	6.8	6.8	6.6	6.6	8	8	-	-	-					-			
											4.1	0.1	99	23.1	7.9	7.9	29.4	29.4	93.4	93.4	6.8	6.8	6.9	6.9	8	8	-	-	-					-			
Middle	4.1	0.1	108	23.1						7.9	7.9	29.4	29.4	93.3	93.4	6.8	6.8	6.9	6.9	8	8	-	-	-	-												
	7.2	0.1	35	23.1						7.9	7.9	29.4	29.4	92.1	92.1	6.7	6.7	7.6	7.6	8	8	-	-	-	-												
	7.2	0.1	37	23.1						7.9	7.9	29.4	29.4	92.1	92.1	6.7	6.7	7.6	7.6	8	8	-	-	-	-												
SR5A	Misty	Calm	09:28	3.8						Surface	1.0	0.2	309	23.1	23.1	7.9	7.9	29.8	29.8	92.3	92.2	6.7	6.7	6.4	6.5	3	3	-	-	816578	810689			-	-	-	-
											1.0	0.2	312	23.1	7.9	7.9	29.9	29.9	92.1	92.1	6.6	6.6	6.5	6.5	3	3	-	-	-					-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						2.8	0.2	327	23.1	7.9	7.9	29.9	29.9	92.2	92.2	6.7	6.7	7.9	7.9	3	3	-	-	-	-												
						2.8	0.2	334	23.1	7.9	7.9	29.9	29.9	92.2	92.2	6.7	6.7	7.9	7.9	5	5	-	-	-	-												
					SR6A	Misty	Calm	08:59	4.2	Surface	1.0	0.1	231	22.8	22.8	7.8	7.8	29.1	29.1	90.7	90.7	6.6	6.6	6.5	6.6	6	6										



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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Sunny	Moderate	16:38	8.6	Surface	1.0	0.2	188	24.4	24.4	8.0	8.0	27.3	27.3	107.9	107.9	7.7	7.7	2.5	4	84	89	815643	804261	<0.2	1.7	<0.2	1.7							
						1.0	0.2	203	24.4	8.0	8.0	27.3	27.3	107.8	107.8	7.7	7.7	2.6	3	85	89	815643	804261	<0.2	1.7										
						4.3	0.1	199	22.8	8.1	8.1	32.4	32.4	99.8	99.8	7.1	7.1	3.7	3	90	89	815643	804261	<0.2	1.6										
					Middle	4.3	0.1	216	22.8	8.1	8.1	32.4	32.4	99.9	99.9	7.1	7.1	3.7	3	89	89	815643	804261	<0.2	1.7										
						7.6	0.1	255	22.6	8.0	8.0	33.0	33.0	94.9	94.9	6.8	6.8	9.3	2	93	89	815643	804261	<0.2	1.7										
						7.6	0.1	275	22.6	8.0	8.0	33.0	33.0	94.9	94.9	6.8	6.8	9.4	3	93	89	815643	804261	<0.2	1.7										
					C2	Fine	Moderate	15:33	12.3	Surface	1.0	0.2	135	24.5	24.5	7.9	7.9	26.2	26.3	102.7	102.6	7.4	7.4	4.0	2	85			89	825659	806937	<0.2	2.2	<0.2	2.1
											1.0	0.2	142	24.5	7.9	7.9	26.4	26.3	102.4	102.4	7.4	7.4	4.0	3	87	89			825659	806937	<0.2	2.2			
											6.2	0.5	154	22.8	7.9	7.9	28.9	29.0	92.6	92.5	6.8	6.8	6.7	3	89	89			825659	806937	<0.2	2.1			
Middle	6.2	0.5	157	22.7						7.9	7.9	29.1	29.0	92.4	92.4	6.7	6.7	7.0	3	90	89	825659	806937	<0.2	2.1										
	11.3	0.5	144	22.5						7.9	7.9	29.9	29.9	87.0	87.0	6.3	6.3	10.3	3	92	89	825659	806937	<0.2	1.9										
	11.3	0.5	152	22.5						7.9	7.9	29.9	29.9	87.0	87.0	6.3	6.3	10.4	3	92	89	825659	806937	<0.2	1.9										
C3	Fine	Moderate	17:35	11.9						Surface	1.0	0.4	286	23.5	23.5	7.9	7.9	29.0	29.0	100.2	100.2	7.2	7.2	3.1	7	85	88	822125	817784	<0.2	1.9	<0.2	1.9		
											1.0	0.4	297	23.5	7.9	7.9	29.0	29.0	100.1	100.1	7.2	7.2	3.1	7	86	88	822125	817784	<0.2	1.9					
											6.0	0.2	257	22.9	7.9	7.9	29.8	29.8	92.3	92.2	6.7	6.7	7.8	6	87	88	822125	817784	<0.2	2.0					
					Middle	6.0	0.2	259	22.8	7.9	7.9	29.8	29.8	92.1	92.1	6.7	6.7	8.1	3	88	88	822125	817784	<0.2	1.9										
						10.9	0.1	120	22.6	7.9	7.9	30.3	30.3	89.0	88.9	6.5	6.5	6.3	4	91	88	822125	817784	<0.2	1.7										
						10.9	0.1	125	22.6	7.9	7.9	30.3	30.3	88.8	88.8	6.4	6.4	6.6	3	92	88	822125	817784	<0.2	1.7										
					IM1	Sunny	Moderate	16:18	5.2	Surface	1.0	0.0	157	24.9	24.8	8.0	8.0	27.6	27.6	107.0	106.8	7.6	7.6	3.3	3	87	90	817947	807117	<0.2	1.8			<0.2	1.8
											1.0	0.0	166	24.8	8.0	8.0	27.6	27.6	106.5	106.5	7.6	7.6	3.5	2	87	90	817947	807117	<0.2	1.7					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	4.2	0.1	169	23.1						23.1	8.0	8.0	30.9	30.9	93.0	93.1	6.7	6.7	8.6	4	92	90	817947	807117	<0.2	1.8									
	4.2	0.1	177	23.1						23.1	8.0	8.0	30.9	30.9	93.1	93.1	6.7	6.7	8.6	3	93	90	817947	807117	<0.2	1.7									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IM2	Sunny	Moderate	16:10	6.9						Surface	1.0	0.1	194	24.4	24.4	8.0	8.0	28.0	28.0	107.3	107.3	7.6	7.6	2.7	2	86	90	818182	806145	<0.2	1.8	<0.2	1.7		
											1.0	0.1	205	24.4	8.0	8.0	28.0	28.0	107.2	107.2	7.6	7.6	2.7	3	87	90	818182	806145	<0.2	1.7					
											3.5	0.1	224	23.2	23.2	8.0	8.0	30.5	30.5	98.3	98.3	7.1	7.1	4.7	3	90	90	818182	806145	<0.2	1.8				
					Middle	3.5	0.1	232	23.2	23.2	8.0	8.0	30.5	30.5	98.2	98.2	7.0	7.0	4.7	3	90	90	818182	806145	<0.2	1.8									
						5.9	0.1	200	22.7	22.7	8.0	8.0	32.4	32.4	97.7	97.8	7.0	7.0	6.6	2	94	90	818182	806145	<0.2	1.6									
						5.9	0.1	206	22.7	22.7	8.0	8.0	32.4	32.4	97.8	97.8	7.0	7.0	6.6	3	94	90	818182	806145	<0.2	1.6									
					IM3	Sunny	Moderate	16:04	7.3	Surface	1.0	0.0	326	24.2	24.1	8.0	8.0	28.6	28.6	105.5	105.5	7.5	7.5	2.8	3	85	89	818772	805592	<0.2	1.6			<0.2	1.7
											1.0	0.0	333	24.1	24.1	8.0	8.0	28.6	28.6	105.5	105.5	7.5	7.5	2.8	3	86	89	818772	805592	<0.2	1.6				
											3.7	0.0	237	23.4	23.4	8.0	8.0	30.1	30.1	101.1	101.1	7.2	7.2	4.1	3	89	89	818772	805592	<0.2	1.6				
Middle	3.7	0.0	258	23.4						23.4	8.0	8.0	30.1	30.1	101.1	101.1	7.2	7.2	4.1	3	89	89	818772	805592	<0.2	1.8									
	6.3	0.0	51	22.8						22.8	8.0	8.0	32.1	32.1	97.0	97.0	6.9	6.9	6.6	4	94	89	818772	805592	<0.2	1.6									
	6.3	0.0	54	22.8						22.8	8.0	8.0	32.1	32.1	97.0	97.0	6.9	6.9	6.6	3	93	89	818772	805592	<0.2	1.7									
IM4	Sunny	Moderate	15:55	7.6						Surface	1.0	0.2	190	23.6	23.6	8.0	8.0	29.2	29.2	100.7	100.8	7.2	7.2	2.8	2	84	89	819739	804604	<0.2	1.5	<0.2	1.6		
											1.0	0.2	204	23.6	23.6	8.0	8.0	29.2	29.2	100.8	100.8	7.2	7.2	2.8	3	85	89	819739	804604	<0.2	1.7				
											3.8	0.1	185	23.4	23.4	8.0	8.0	30.0	30.0	98.3	98.3	7.1	7.1	4.6	3	89	89	819739	804604	<0.2	1.5				
					Middle	3.8	0.1	185	23.4	23.4	8.0	8.0	30.0	30.0	98.3	98.3	7.1	7.1	4.6	3	89	89	819739	804604	<0.2	1.5									
						6.6	0.1	169	23.0	23.0	8.0	8.0	31.2	31.2	97.3	97.3	7.0	7.0	6.4	3	94	89	819739	804604	<0.2	1.6									
						6.6	0.1	172	23.0	23.0	8.0	8.0	31.2	31.2	97.3	97.3	7.0	7.0	6.4	3	93	89	819739	804604	<0.2	1.6									
					IM5	Sunny	Moderate	15:47	7.4	Surface	1.0	0.3	235	23.6	23.6	8.0	8.0	29.0	29.0	102.0	102.0	7.3	7.3	3.7	4	86	90	820751	804854	<0.2	1.8			<0.2	1.8
											1.0	0.3	243	23.6	23.6	8.0	8.0	29.0	29.0	101.9	101.9	7.3	7.3	3.7	3	87	90	820751	804854	<0.2	1.8				
											3.7	0.2	226	23.2	23.2	8.0	8.0	30.4	30.4	97.3	97.3	7.0	7.0	4.6	3	90	90	820751	804854	<0.2	1.8				
Middle	3.7	0.2	232	23.2						23.2	8.0	8.0	30.4	30.4	97.2	97.3	7.0	7.0	4.6	4	91	90	820751	804854	<0.2	1.9									
	6.4	0.1	177	23.0						23.0	8.0	8.0	31.1	31.1	95.7	95.7	6.9	6.9	5.2	4	91	90	820751	804854	<0.2	1.7									
	6.4	0.1	182	23.0						23.0	8.0	8.0	31.1	31.1	95.6	95.6	6.9	6.9	5.2	4	92	90	820751	804854	<0.2	1.8									
IM6	Sunny	Moderate	15:39	7.8						Surface	1.0	0.2	243	24.0	24.0	8.0	8.0	28.0	28.0	103.6	103.6	7.4	7.4	3.0	3	84	89	821078	805842	<0.2	1.9	<0.2	1.9		
											1.0	0.2	256	24.0	24.0	8.0	8.0	28.0	28.0	103.5	103.5	7.4	7.4	3.0	4	85	89	821078	805842	<0.2	1.9				
											3.9	0.2	238	23.3	23.3	8.0	8.0	30.1	30.1	98.0	98.0	7.0	7.0	4.4	3	90	89	821078	805842	<0.2	1.9				
					Middle	3.9	0.2	261	23.3	23.3	8.0	8.0	30.1	30.1	98.0	98.0	7.0	7.0	4.4	4	92	89	821078	805842	<0.2	1.9									
						6.8	0.1	264	23.2	23.2	8.0	8.0	30.2	30.2	95.4	95.4	6.9	6.9	5.3	3	92	89	821078												



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

Water Quality Monitoring

Water Quality Monitoring Results on 20 March 21 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	Value	DA	
C1	Sunny	Moderate	09:56	8.6	Surface	1.0	0.3	32	23.3	23.3	8.0	8.0	28.4	28.4	98.9	98.9	7.2	7.2	3.0	3.0	3	3	86	86	90	815624	804260	<0.2	<0.2	1.8	1.8			
						1.0	0.3	32	23.3	23.3	8.0	8.0	28.4	28.4	98.9	98.9	7.2	7.2	3.0	3.0	4	4	87	87	86	815624	804260	<0.2	<0.2	1.6	1.6			
						4.3	0.3	40	22.6	22.6	8.0	8.0	32.3	32.3	96.0	96.1	6.9	6.9	6.4	6.4	3	3	90	90	86	815624	804260	<0.2	<0.2	1.6	1.6			
					4.3	0.3	42	22.6	22.6	8.0	8.0	32.3	32.3	96.1	96.1	6.9	6.9	6.5	6.5	3	3	90	90	86	815624	804260	<0.2	<0.2	1.7	1.7				
					7.6	0.4	42	22.5	22.5	8.0	8.0	33.0	33.0	95.3	95.2	6.8	6.8	15.5	15.5	3	3	93	93	86	815624	804260	<0.2	<0.2	1.8	1.8				
					7.6	0.4	45	22.5	22.5	8.0	8.0	33.0	33.0	95.1	95.1	6.8	6.8	15.5	15.5	2	2	93	93	86	815624	804260	<0.2	<0.2	1.8	1.8				
C2	Fine	Moderate	11:11	12.2	Surface	1.0	0.3	350	23.3	23.3	7.9	7.9	26.0	25.9	98.2	98.2	7.2	7.2	3.8	3.8	3	3	86	86	89	825702	806944	<0.2	<0.2	2.0	2.0			
						1.0	0.3	355	23.3	23.3	7.9	7.9	25.7	25.7	98.2	98.2	7.2	7.2	4.0	4.0	2	2	87	87	86	825702	806944	<0.2	<0.2	1.9	1.9			
						6.1	0.4	28	22.8	22.8	7.9	7.9	28.5	28.6	89.6	89.5	6.5	6.5	6.8	6.8	3	3	89	89	86	825702	806944	<0.2	<0.2	2.0	2.0			
					6.1	0.4	29	22.8	22.8	7.9	7.9	28.6	28.6	89.4	89.4	6.5	6.5	6.9	6.9	2	2	90	90	86	825702	806944	<0.2	<0.2	2.0	2.0				
					11.2	0.4	346	22.7	22.7	7.9	7.9	29.1	29.1	88.7	88.8	6.5	6.5	13.1	13.1	2	2	92	92	86	825702	806944	<0.2	<0.2	2.0	2.0				
					11.2	0.4	318	22.7	22.7	7.9	7.9	29.1	29.1	88.8	88.8	6.5	6.5	13.2	13.2	3	3	92	92	86	825702	806944	<0.2	<0.2	1.9	1.9				
C3	Fine	Moderate	08:55	10.8	Surface	1.0	0.3	241	23.0	23.0	7.9	7.9	28.1	28.1	96.7	96.7	7.1	7.1	3.6	3.6	2	2	85	85	87	822114	817803	<0.2	<0.2	1.6	1.6			
						1.0	0.3	264	23.0	23.0	7.9	7.9	28.1	28.1	96.6	96.6	7.1	7.1	3.8	3.8	2	2	85	85	86	822114	817803	<0.2	<0.2	1.7	1.7			
						5.4	0.4	252	22.7	22.7	7.9	7.9	29.0	29.0	94.4	94.4	6.9	6.9	2.5	2.5	2	2	88	88	86	822114	817803	<0.2	<0.2	1.6	1.6			
					5.4	0.4	273	22.7	22.7	7.9	7.9	29.0	29.0	94.4	94.4	6.9	6.9	2.7	2.7	3	3	87	87	86	822114	817803	<0.2	<0.2	1.6	1.6				
					9.8	0.4	266	22.4	22.4	7.9	7.9	30.2	30.2	87.3	87.3	6.4	6.4	8.1	8.1	4	4	89	89	86	822114	817803	<0.2	<0.2	1.6	1.6				
					9.8	0.4	266	22.4	22.4	7.9	7.9	30.2	30.2	87.3	87.3	6.4	6.4	8.3	8.3	3	3	90	90	86	822114	817803	<0.2	<0.2	1.6	1.6				
IM1	Sunny	Moderate	10:22	5.2	Surface	1.0	0.1	9	23.4	23.4	8.0	8.0	27.7	27.7	99.6	99.6	7.2	7.2	2.8	2.8	2	2	88	88	91	817944	807136	<0.2	<0.2	1.7	1.7			
						1.0	0.1	9	23.4	23.4	8.0	8.0	27.7	27.7	99.6	99.6	7.2	7.2	2.8	2.8	3	3	88	88	86	817944	807136	<0.2	<0.2	1.5	1.5			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.2	0.0	340	23.1	23.1	8.0	8.0	30.7	30.7	92.9	93.0	6.7	6.7	4.7	4.7	4	4	94	94	86	817944	807136	<0.2	<0.2	1.7	1.7				
					4.2	0.0	313	23.1	23.1	8.0	8.0	30.7	30.7	93.0	93.0	6.7	6.7	4.7	4.7	4	4	94	94	86	817944	807136	<0.2	<0.2	1.7	1.7				
					4.2	0.0	313	23.1	23.1	8.0	8.0	30.7	30.7	93.0	93.0	6.7	6.7	4.7	4.7	4	4	94	94	86	817944	807136	<0.2	<0.2	1.7	1.7				
IM2	Sunny	Moderate	10:34	7.1	Surface	1.0	0.4	7	23.9	23.9	8.0	8.0	28.0	28.0	100.6	100.6	7.2	7.2	2.6	2.6	4	4	88	88	91	818155	806186	<0.2	<0.2	1.9	1.9			
						1.0	0.4	7	23.9	23.9	8.0	8.0	28.0	28.0	100.5	100.5	7.2	7.2	2.6	2.6	4	4	89	89	86	818155	806186	<0.2	<0.2	1.8	1.8			
						3.6	0.3	344	23.3	23.3	8.0	8.0	29.9	29.9	96.5	96.5	6.9	6.9	4.7	4.7	5	5	92	92	86	818155	806186	<0.2	<0.2	1.6	1.6			
					3.6	0.3	348	23.3	23.3	8.0	8.0	29.9	29.9	96.4	96.4	6.9	6.9	4.7	4.7	4	4	92	92	86	818155	806186	<0.2	<0.2	1.6	1.6				
					6.1	0.3	308	23.1	23.1	8.0	8.0	30.6	30.6	92.8	92.9	6.7	6.7	10.6	10.6	5	5	94	94	86	818155	806186	<0.2	<0.2	1.6	1.6				
					6.1	0.4	334	23.1	23.1	8.0	8.0	30.6	30.6	92.9	92.9	6.7	6.7	10.7	10.7	4	4	93	93	86	818155	806186	<0.2	<0.2	1.7	1.7				
IM3	Sunny	Moderate	10:43	7.4	Surface	1.0	0.3	354	23.7	23.7	8.0	8.0	28.6	28.6	100.7	100.7	7.2	7.2	2.8	2.8	5	5	89	89	92	818767	805609	<0.2	<0.2	1.6	1.6			
						1.0	0.3	354	23.7	23.7	8.0	8.0	28.6	28.6	100.7	100.7	7.2	7.2	2.8	2.8	4	4	88	88	86	818767	805609	<0.2	<0.2	1.7	1.7			
						3.7	0.2	337	23.2	23.2	8.0	8.0	30.2	30.2	97.0	97.0	7.0	7.0	4.5	4.5	5	5	91	91	86	818767	805609	<0.2	<0.2	1.8	1.8			
					3.7	0.2	358	23.2	23.2	8.0	8.0	30.2	30.2	97.0	97.0	7.0	7.0	4.5	4.5	4	4	92	92	86	818767	805609	<0.2	<0.2	1.7	1.7				
					6.4	0.2	331	23.1	23.1	8.0	8.0	30.8	30.8	94.1	94.1	6.8	6.8	10.0	10.0	3	3	94	94	86	818767	805609	<0.2	<0.2	1.7	1.7				
					6.4	0.2	306	23.1	23.1	8.0	8.0	30.8	30.8	94.1	94.1	6.8	6.8	10.0	10.0	2	2	95	95	86	818767	805609	<0.2	<0.2	1.5	1.5				
IM4	Sunny	Moderate	10:56	8.5	Surface	1.0	0.2	345	23.8	23.8	8.0	8.0	28.1	28.1	99.1	99.2	7.1	7.1	2.8	2.8	2	2	88	88	91	819721	804620	<0.2	<0.2	1.7	1.7			
						1.0	0.3	353	23.8	23.8	8.0	8.0	28.1	28.1	99.3	99.3	7.1	7.1	2.8	2.8	3	3	88	88	86	819721	804620	<0.2	<0.2	1.9	1.9			
						4.3	0.2	321	23.1	23.1	8.0	8.0	30.6	30.6	95.6	95.7	6.9	6.9	6.2	6.2	2	2	92	92	86	819721	804620	<0.2	<0.2	1.7	1.7			
					4.3	0.2	342	23.1	23.1	8.0	8.0	30.6	30.6	95.7	95.7	6.9	6.9	6.1	6.1	3	3	91	91	86	819721	804620	<0.2	<0.2	1.7	1.7				
					7.5	0.2	335	23.1	23.1	8.0	8.0	30.6	30.6	95.0	95.0	6.8	6.8	7.5	7.5	3	3	94	94	86	819721	804620	<0.2	<0.2	1.6	1.6				
					7.5	0.2	308	23.1	23.1	8.0	8.0	30.6	30.6	95.0	95.0	6.8	6.8	7.5	7.5	4	4	95	95	86	819721	804620	<0.2	<0.2	1.7	1.7				
IM5	Sunny	Moderate	11:05	7.6	Surface	1.0	0.4	358	23.4	23.4	8.0	8.0	29.4	29.4	100.4	100.4	7.2	7.2	3.1	3.1	5	5	88	88	92	820738	804889	<0.2	<0.2	1.7	1.7			
						1.0	0.5	329	23.4	23.4	8.0	8.0	29.4	29.4	100.4	100.4	7.2	7.2	3.1	3.1	6	6	89	89	86	820738	804889	<0.2	<0.2	1.8	1.8			
						3.8	0.3	345	23.2	23.2	8.0	8.0	30.2	30.2	97.7	97.7	7.0	7.0	5.3	5.3	4	4	94	94	86	820738	804889	<0.2	<0.2	1.6	1.6			
					3.8	0.3	359	23.2	23.2	8.0	8.0	30.2	30.2	97.7	97.7	7.0	7.0	5.3	5.3	4	4	93	93	86	820738	804889	<0.2	<0.2	1.8	1.8				
					6.6	0.3	343	23.2	23.2	8.0	8.0	30.2	30.2	96.4	96.4	6.9	6.9	7.3	7.3	3	3	95	95	86	820738	804889	<0.2	<0.2	1.6	1.6				
					6.6	0.3	352	23.2	23.2	8.0	8.0	30.2	30.2	96.3	96.3	6.9	6.9	7.4	7.4	4	4	95	95	86	820738	804889	<0.2	<0.2	1.7	1.7				
IM6	Sunny	Moderate	11:13	7.5	Surface	1.0	0.5	359	23.9	23.9	7.9	7.9	26.8	26.8	101.4	101.4	7.3	7.3	2.9	2.9	4	4	89	89	92	821077	805819	<0.2						

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

Water Quality Monitoring Results on 20 March 21 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	DA	Value	DA	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	10:36	7.7	Surface	1.0	0.2	261	23.3	23.3	7.9	7.9	27.4	27.4	92.0	91.9	6.7	6.7	4.7	3	87	90	822077	808818	<0.2	1.8	1.7	1.7						
						1.0	0.2	261	23.2	23.2	7.9	7.9	27.5	27.5	91.8	91.8	6.7	6.7	4.8	4	88	88	<0.2	1.6	<0.2	1.6								
						3.9	0.2	278	23.2	23.2	7.9	7.9	27.6	27.6	90.8	90.8	6.6	6.6	5.2	4	91	91	<0.2	1.6	<0.2	1.6								
					Middle	3.9	0.2	290	23.2	23.2	7.9	7.9	27.6	27.6	90.7	90.8	6.6	6.6	5.2	5	91	91	<0.2	1.5	<0.2	1.5								
						6.7	0.2	269	23.2	23.2	7.9	7.9	27.6	27.6	89.4	89.4	6.5	6.5	5.8	4	92	92	<0.2	1.6	<0.2	1.6								
						6.7	0.2	281	23.2	23.2	7.9	7.9	27.6	27.6	89.3	89.3	6.5	6.5	5.8	5	93	93	<0.2	1.8	<0.2	1.8								
					Bottom	1.0	0.5	317	23.4	23.4	7.9	7.9	26.9	27.0	98.4	98.4	7.2	7.2	3.8	4	85	85	<0.2	1.6	<0.2	1.6								
						1.0	0.6	344	23.3	23.3	7.9	7.9	27.0	27.0	98.3	98.3	7.2	7.2	4.0	5	86	86	<0.2	1.6	<0.2	1.6								
						3.8	0.4	320	23.0	23.0	7.9	7.9	28.0	28.0	90.0	89.9	6.6	6.6	8.1	4	89	89	<0.2	1.9	<0.2	1.9								
IM10	Fine	Moderate	10:27	7.6	Surface	3.8	0.4	324	23.0	23.0	7.9	7.9	28.1	28.1	89.8	89.8	6.6	6.6	8.4	5	90	89	<0.2	1.8	<0.2	1.8								
						6.6	0.3	317	23.0	23.0	7.9	7.9	28.2	28.2	88.3	88.3	6.4	6.4	11.5	3	92	92	<0.2	1.8	<0.2	1.8								
						6.6	0.3	340	23.0	23.0	7.9	7.9	28.2	28.2	88.3	88.3	6.4	6.4	11.7	3	92	92	<0.2	1.6	<0.2	1.6								
Middle					1.0	0.8	303	23.2	23.2	7.9	7.9	27.7	27.7	94.5	94.5	6.9	6.9	4.2	4	85	85	<0.2	1.5	<0.2	1.5									
					1.0	0.8	322	23.2	23.2	7.9	7.9	27.7	27.7	94.4	94.4	6.9	6.9	4.3	4	86	86	<0.2	1.3	<0.2	1.3									
					4.3	0.6	295	22.8	22.8	7.9	7.9	28.7	28.7	91.8	91.6	6.7	6.7	8.2	4	87	87	<0.2	1.6	<0.2	1.6									
Bottom					4.3	0.6	302	22.8	22.8	7.9	7.9	28.8	28.7	91.4	91.6	6.7	6.7	8.5	3	87	87	<0.2	1.5	<0.2	1.5									
					7.5	0.5	299	22.7	22.7	7.9	7.9	29.2	29.2	87.2	87.2	6.4	6.4	9.7	4	88	88	<0.2	1.4	<0.2	1.4									
					7.5	0.5	301	22.7	22.7	7.9	7.9	29.2	29.2	87.2	87.2	6.4	6.4	9.7	3	88	88	<0.2	1.6	<0.2	1.6									
IM11	Fine	Moderate	10:16	8.5	Surface	1.0	0.3	295	23.2	23.2	7.9	7.9	27.7	27.7	99.0	99.0	7.2	7.2	5.7	3	86	88	<0.2	1.6	<0.2	1.6								
						1.0	0.4	301	23.1	23.1	7.9	7.9	27.8	27.7	98.9	98.9	7.2	7.2	6.3	4	86	86	<0.2	1.7	<0.2	1.7								
						4.6	0.4	292	22.9	22.9	7.9	7.9	28.7	28.7	90.5	90.5	6.6	6.6	11.4	3	87	87	<0.2	1.7	<0.2	1.7								
					Middle	4.6	0.4	313	22.9	22.9	7.9	7.9	28.7	28.7	90.5	90.5	6.6	6.6	11.4	3	88	88	<0.2	1.6	<0.2	1.6								
						8.2	0.4	312	22.8	22.8	7.9	7.9	28.8	28.8	90.0	90.0	6.6	6.6	11.6	4	90	90	<0.2	1.7	<0.2	1.7								
						8.2	0.4	328	22.8	22.8	7.9	7.9	28.8	28.8	90.0	90.0	6.6	6.6	11.6	4	90	90	<0.2	1.6	<0.2	1.6								
					Bottom	1.0	-	-	23.2	23.2	7.9	7.9	27.6	27.7	96.1	96.0	7.0	7.0	5.8	4	-	-	<0.2	-	<0.2	-	<0.2	-						
						1.0	-	-	23.2	23.2	7.9	7.9	27.7	27.7	95.9	95.9	7.0	7.0	6.2	3	-	-	<0.2	-	<0.2	-	<0.2	-						
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SR1A	Fine	Moderate	09:35	5.0	Surface	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.0	-	-	23.1	23.1	7.9	7.9	28.2	28.2	90.3	90.3	6.6	6.6	7.7	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-		
					Middle	4.0	-	-	23.1	23.1	7.9	7.9	28.2	28.2	90.3	90.3	6.6	6.6	7.7	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						1.0	0.1	294	23.2	23.2	7.9	7.9	27.4	27.5	96.4	96.4	7.0	7.0	3.7	4	86	86	<0.2	1.7	<0.2	1.7	<0.2	1.7	<0.2	1.7	<0.2	1.7		
						1.0	0.1	298	23.2	23.2	7.9	7.9	27.4	27.5	96.4	96.4	7.0	7.0	3.7	5	87	87	<0.2	1.7	<0.2	1.7	<0.2	1.7	<0.2	1.7	<0.2	1.7	<0.2	1.7
					Bottom	3.3	0.2	314	23.0	23.0	7.9	7.9	28.2	28.2	91.7	91.7	6.7	6.7	4.7	5	88	88	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6
						3.3	0.2	321	23.0	23.0	7.9	7.9	28.2	28.2	91.6	91.7	6.7	6.7	4.6	4	89	89	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6
						1.0	0.2	261	23.6	23.6	7.9	7.9	25.8	25.9	99.5	99.5	7.3	7.3	3.3	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
SR2	Fine	Moderate	09:18	4.3	Surface	1.0	0.2	277	23.5	23.5	7.9	7.9	25.9	25.9	99.5	99.5	7.3	7.3	3.4	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-		
						4.3	0.2	256	23.2	23.2	7.9	7.9	26.5	26.5	94.3	94.3	6.9	6.9	4.3	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						4.3	0.2	266	23.2	23.2	7.9	7.9	26.5	26.5	94.2	94.3	6.9	6.9	4.5	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
					Middle	7.6	0.1	63	23.1	23.1	7.9	7.9	28.6	28.6	92.4	92.3	6.7	6.7	7.0	3	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						7.6	0.1	66	23.1	23.1	7.9	7.9	28.6	28.6	92.2	92.3	6.7	6.7	7.2	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						1.0	0.1	242	23.3	23.3	8.0	8.0	28.9	28.9	96.1	96.1	6.9	6.9	3.3	3	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
					Bottom	1.0	0.1	264	23.3	23.3	8.0	8.0	28.9	28.9	96.1	96.1	6.9	6.9	3.3	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						4.6	0.1	229	23.0	23.0	8.0	8.0	30.4	30.4	91.0	91.0	6.6	6.6	4.6	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						4.6	0.1	245	23.0	23.0	8.0	8.0	30.4	30.4	91.0	91.0	6.6	6.6	4.6	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
SR3	Fine	Moderate	10:50	8.6	Surface	8.2	0.0	295	23.0	23.0	8.0	8.0	30.6	30.6	90.6	90.6	6.5	6.5	4.8	6	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-		
						8.2	0.0	303	23.0	23.0	8.0	8.0	30.6	30.6	90.6	90.6	6.5	6.5	4.8	6	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						1.0	0.1	306	23.4	23.4	7.9	7.9	30.2	30.2	90.7	90.7	6.5	6.5	4.6	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
					Middle	1.0	0.1	325	23.4	23.4	7.9	7.9	30.2	30.2	90.7	90.7	6.5	6.5	4.6	6	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						2.5	0.1	312	23.3	23.3	7.9	7.9	30.2	30.2	91.2	91.2	6.5	6.5	6.0	6	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						2.5	0.1	323	23.3	23.3	7.9	7.9	30.2	30.2	91.1	91.2	6.5	6.5	6.0	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
					Bottom	1.0	0.0	91	22.9	22.9	7.9	7.9	29.3	29.3	88.3	88.3	6.4	6.4	3.4	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						1.0	0.0	99	22.9	22.9	7.9	7.9	29.3	29.3	88.3	88.3	6.4	6.4	3.4	4	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
						2.7	0.0	127	22.9	22.9	7.9	7.9	29.5	29.5	87.3	87.3	6.3	6.3	5.1	5	-	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
SR4A	Sunny																																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)														
						Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA									
						Value	Average		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA							
C1	Cloudy	Moderate	20:37	0.0	Surface	1.0	0.1	201	22.3	22.3	8.3	8.3	32.6	32.6	99.5	99.5	7.2	7.2	1.3	6	87	88	88	88	88	815600	804230	<0.2	0.7	0.6	0.7												
						1.0	0.1	216	22.3	8.3	8.3	32.6	32.6	99.4	99.4	7.2	7.2	1.3	6	87	87	88	88																				
						4.4	0.1	213	22.5	8.2	8.2	32.8	32.8	96.9	96.9	6.9	6.9	2.4	6	88	88	88	88																				
					Middle	4.4	0.1	216	22.5	8.2	8.2	32.8	32.8	96.9	96.9	6.9	6.9	2.4	6	87	87	88	88																				
						7.7	0.0	198	22.4	8.2	8.2	32.8	32.8	96.5	96.6	6.9	6.9	3.4	7	89	89	89	89																				
						7.7	0.0	209	22.4	8.2	8.2	32.8	32.8	96.6	96.6	6.9	6.9	3.5	6	89	89	89	89																				
					C2	Misty	Calm	19:30	0.0	Surface	1.0	0.2	89	21.9	21.9	8.1	8.1	31.0	31.1	97.6	97.5	7.1	7.1	2.9								7	88	88	88	88	91	825674	806942	<0.2	1.1	1.2	1.1
											1.0	0.2	93	21.9	8.1	8.1	31.1	31.1	97.3	97.3	7.1	7.1	2.9	6								88	88	88	88								
											6.0	0.2	84	22.2	8.1	8.1	31.7	31.8	97.4	97.5	7.1	7.1	4.6	6								90	90	90	90								
Middle	6.0	0.2	86	22.2						8.1	8.1	31.8	31.8	97.6	97.6	7.1	7.1	4.9	6	91	91	91	91																				
	11.0	0.1	42	22.2						8.1	8.1	32.4	32.4	99.2	99.3	7.2	7.2	8.0	5	93	93	93	93																				
	11.0	0.1	45	22.2						8.1	8.1	32.4	32.4	99.3	99.3	7.2	7.2	8.0	6	93	93	93	93																				
C3	Misty	Calm	21:34	0.0						Surface	1.0	0.3	99	22.0	22.1	8.1	8.1	33.0	33.1	99.8	99.8	7.2	7.2	1.6	6	85	85	85	85	89	822107	817826	<0.2	0.7	0.7	0.7							
											1.0	0.3	101	22.1	8.1	8.1	33.1	33.1	97.7	97.7	7.0	7.0	1.7	6	85	85	85	85															
											6.1	0.2	80	22.1	8.1	8.1	33.2	33.2	97.2	97.2	7.0	7.0	2.0	5	88	88	88	88															
					Middle	6.1	0.3	81	22.1	8.1	8.1	33.2	33.2	97.2	97.2	7.0	7.0	2.0	6	89	89	89	89																				
						11.2	0.1	69	22.1	8.1	8.1	33.2	33.2	97.4	97.5	7.0	7.0	3.7	6	93	93	93	93																				
						11.2	0.1	74	22.1	8.1	8.1	33.2	33.2	97.5	97.5	7.0	7.0	3.8	5	93	93	93	93																				
					IM1	Cloudy	Moderate	20:16	0.0	Surface	1.0	0.1	185	22.1	22.1	8.2	8.2	31.9	31.9	99.6	99.6	7.2	7.2	1.4	8	85	85	85	85								87	817957	807125	<0.2	0.7	0.6	0.7
											1.0	0.1	192	22.1	8.2	8.2	31.9	31.9	99.6	99.6	7.2	7.2	1.4	8	85	85	85	85															
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
	4.0	0.1	215	22.4						8.2	8.2	32.1	32.1	96.4	96.4	7.0	7.0	1.8	6	89	89	89	89																				
	4.0	0.1	233	22.4						8.2	8.2	32.1	32.1	96.4	96.4	6.9	6.9	1.9	6	89	89	89	89																				
IM2	Cloudy	Moderate	20:08	0.0						Surface	1.0	0.1	201	22.3	22.3	8.2	8.2	32.1	32.1	98.3	98.3	7.1	7.1	1.8	6	86	86	86	86	87	818165	806165	<0.2	0.7	0.6	0.7							
											1.0	0.1	211	22.3	8.2	8.2	32.1	32.1	98.2	98.2	7.1	7.1	1.8	6	86	86	86	86															
											3.5	0.1	294	22.4	8.2	8.2	32.3	32.3	97.2	97.2	7.0	7.0	1.9	7	89	89	89	89															
					Middle	3.5	0.1	305	22.4	8.2	8.2	32.3	32.3	97.2	97.2	7.0	7.0	1.9	6	89	89	89	89																				
						6.0	0.1	266	22.8	8.2	8.2	32.8	32.8	95.5	95.6	6.8	6.8	2.5	7	87	87	87	87																				
						6.0	0.1	291	22.8	8.2	8.2	32.8	32.8	95.6	95.6	6.8	6.8	2.6	7	87	87	87	87																				
					IM3	Cloudy	Moderate	20:01	0.0	Surface	1.0	0.0	99	22.1	22.1	8.2	8.2	32.0	32.0	98.8	98.8	7.2	7.2	1.5	5	88	88	88	88								89	818795	805571	<0.2	0.7	0.6	0.7
											1.0	0.0	105	22.1	8.2	8.2	32.0	32.0	98.8	98.8	7.2	7.2	1.4	6	88	88	88	88															
											3.6	0.1	206	22.2	8.2	8.2	32.2	32.2	97.7	97.7	7.1	7.1	1.6	7	89	89	89	89															
Middle	3.6	0.1	208	22.2						8.2	8.2	32.2	32.2	97.6	97.6	7.1	7.1	1.7	7	89	89	89	89																				
	6.2	0.1	234	22.7						8.2	8.2	32.7	32.7	95.7	95.8	6.8	6.8	2.0	7	89	89	89	89																				
	6.2	0.1	252	22.7						8.2	8.2	32.7	32.7	95.8	95.8	6.8	6.8	2.0	8	89	89	89	89																				
IM4	Cloudy	Moderate	19:52	0.0						Surface	1.0	0.1	47	22.2	22.2	8.2	8.2	32.0	32.0	98.5	98.4	7.1	7.1	1.4	4	86	86	86	86	88	819742	804596	<0.2	0.7	0.6	0.7							
											1.0	0.1	49	22.2	8.2	8.2	32.0	32.0	98.3	98.3	7.1	7.1	1.4	5	86	86	86	86															
											4.2	0.1	304	22.5	8.2	8.2	32.4	32.4	96.8	96.7	7.0	7.0	2.4	5	89	89	89	89															
					Middle	4.2	0.1	310	22.5	8.2	8.2	32.4	32.4	96.6	96.6	6.9	6.9	2.5	4	89	89	89	89																				
						7.3	0.1	243	22.5	8.2	8.2	32.6	32.6	96.4	96.5	6.9	6.9	4.0	8	90	90	90	90																				
						7.3	0.1	253	22.5	8.2	8.2	32.6	32.6	96.5	96.5	6.9	6.9	4.0	7	90	90	90	90																				
					IM5	Cloudy	Moderate	19:44	0.0	Surface	1.0	0.2	12	22.3	22.3	8.2	8.2	32.1	32.1	96.6	96.5	7.0	7.0	2.2	7	84	84	84	84								88	820714	804862	<0.2	0.7	0.7	0.7
											1.0	0.2	12	22.3	8.2	8.2	32.1	32.1	96.4	96.5	7.0	7.0	2.3	7	84	84	84	84															
											4.4	0.2	342	22.5	8.2	8.2	32.3	32.3	94.9	94.9	6.8	6.8	2.5	6	88	88	88	88															
Middle	4.4	0.2	354	22.5						8.2	8.2	32.3	32.3	94.8	94.8	6.8	6.8	2.7	5	88	88	88	88																				
	7.8	0.2	330	22.6						8.2	8.2	32.3	32.3	94.3	94.4	6.8	6.8	3.1	6	91	91	91	91																				
	7.8	0.2	352	22.6						8.2	8.2	32.3	32.3	94.4	94.4	6.8	6.8	3.0	5	91	91	91	91																				
IM6	Cloudy	Moderate	19:36	0.0						Surface	1.0	0.0	153	22.0	22.0	8.2	8.2	30.8	30.8	94.2	94.2	6.9	6.9	2.2	5	85	85	85	85	87	821059	805845	<0.2	0.7	0.8	0.7							
											1.0	0.0	167	22.0	8.2	8.2	30.8	30.8	94.2	94.2	6.9	6.9	2.2	6	86	86	86	86															
											3.8	0.1	165	22.1	8.2	8.2	31.4	31.4	93.4	93.4	6.8	6.8	3.2	6	87	87	87	87															
					Middle	3.8	0.1	166	22.1	8.2	8.2	31.5	31.4	93.3	93.3	6.8	6.8	3.1	5	87	87	87	87																				
						6.6	0.1	78	22.3	8.2	8.2	32.0	32.0	93.2	93.3	6.7	6.7	3.2	6	89	89	89	89																				
						6.6	0.1	83	22.3	8.2	8.2	32.0	32.0	93.3	93.3	6.7	6.7	3.3	6	89	89	89	89																				
					IM7	Cloudy	Moderate	19:28	0.0	Surface	1.0	0.1	188	21.9	21.9	8.2	8.2	30.4	30.4	92.9	92.9	6.8	6.8	1.3	6	85	85	85	85								87	821369	806830	<0.2	0.6	0.6	0.6
											1.0	0.1	203	21.9	8.2	8.2	30.4	30.4	92.8	92.9	6.8	6.8	1.3	6	85	85	85	85															
											4.3	0.1	143	22.3	8.2	8.2	31.6	31.6	91.8	91.8	6.6	6.6	1.8	5	88	88	88	88															
Middle	4.3	0.1	152	22.3						8.2	8.2	31.6	31.6	91.8	91.8	6.6	6.6	1.8	4	88	88	88	88																				
	7.6	0.1	141	22.5						8.2	8.2	32.0	32.0	90.4																													



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

Water Quality Monitoring Results on 23 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
								Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
C1	Cloudy	Moderate	09:02	0.0	Surface	1.0	0.1	72	22.5	8.2	8.2	32.8	32.8	96.6	96.6	6.9	6.9	3.0	3.0	5	5	85	85			<0.2	<0.2	0.7	0.6			
						1.0	0.1	72	22.5	8.2	8.2	32.8	32.8	96.6	96.6	6.9	6.9	3.0	3.0	6	6	85	85			<0.2	<0.2	0.6	0.6			
						4.5	0.1	61	22.5	8.2	8.2	32.8	32.8	96.5	96.5	6.9	6.9	3.3	3.3	5	5	88	88			<0.2	<0.2	0.6	0.6			
					Middle	4.5	0.1	62	22.5	8.2	8.2	32.8	32.8	96.5	96.5	6.9	6.9	3.3	3.3	6	6	87	87			<0.2	<0.2	0.7	0.6			
						8.0	0.1	18	22.4	8.2	8.2	32.8	32.8	96.4	96.4	6.9	6.9	3.3	3.3	5	5	88	88			<0.2	<0.2	0.6	0.6			
						8.0	0.1	18	22.4	8.2	8.2	32.8	32.8	96.4	96.4	6.9	6.9	3.3	3.3	5	5	89	89			<0.2	<0.2	0.6	0.6			
C2	Misty	Moderate	10:01	0.0	Surface	1.0	0.1	156	22.1	8.0	8.0	31.5	31.6	93.5	93.5	6.8	6.8	3.5	3.5	6	6	87	87			<0.2	<0.2	1.1	1.1			
						1.0	0.1	170	22.1	8.0	8.0	31.6	31.6	93.4	93.4	6.8	6.8	3.6	3.6	6	6	88	88			<0.2	<0.2	1.1	1.1			
						6.0	0.1	276	22.3	8.0	8.0	32.4	32.4	92.0	92.0	6.6	6.6	5.1	5.1	5	5	90	90			<0.2	<0.2	1.2	1.1			
					Middle	6.0	0.1	293	22.3	8.0	8.0	32.4	32.4	91.9	91.9	6.6	6.6	5.0	5.0	6	6	91	91			<0.2	<0.2	1.2	1.0			
						11.0	0.0	99	22.2	8.0	8.0	32.5	32.5	92.2	92.2	6.6	6.6	13.4	13.4	5	5	93	93			<0.2	<0.2	1.0	1.0			
						11.0	0.0	101	22.2	8.0	8.0	32.5	32.5	92.2	92.2	6.7	6.7	13.4	13.4	5	5	93	93			<0.2	<0.2	1.1	1.1			
C3	Misty	Moderate	07:50	0.0	Surface	1.0	0.0	115	21.8	8.1	8.1	32.7	32.7	97.0	97.0	7.0	7.0	1.7	1.7	3	3	84	84			<0.2	<0.2	0.9	0.9			
						1.0	0.0	122	21.8	8.1	8.1	32.7	32.7	97.0	97.0	7.0	7.0	1.7	1.7	2	2	85	85			<0.2	<0.2	1.0	1.0			
						6.0	0.1	91	22.1	8.1	8.1	33.1	33.1	96.5	96.5	7.0	7.0	2.9	2.9	3	3	89	89			<0.2	<0.2	0.7	0.7			
					Middle	6.0	0.1	95	22.1	8.1	8.1	33.1	33.1	96.5	96.5	7.0	7.0	2.9	2.9	3	3	89	89			<0.2	<0.2	0.7	0.7			
						11.0	0.1	162	22.1	8.1	8.0	33.1	33.1	96.9	96.9	7.0	7.0	3.3	3.3	3	3	89	89			<0.2	<0.2	0.8	0.8			
						11.0	0.1	167	22.1	8.0	8.0	33.1	33.1	97.0	97.0	7.0	7.0	3.3	3.3	4	4	91	91			<0.2	<0.2	0.7	0.7			
IM1	Cloudy	Moderate	09:24	0.0	Surface	1.0	0.1	79	22.0	8.2	8.2	31.9	31.9	95.4	95.4	6.9	6.9	1.6	1.6	6	6	84	84			<0.2	<0.2	0.6	0.6			
						1.0	0.1	81	22.0	8.2	8.2	31.9	31.9	95.3	95.3	6.9	6.9	1.7	1.7	7	7	84	84			<0.2	<0.2	0.7	0.7			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.0	0.0	140	22.4	8.2	8.2	32.3	32.3	91.5	91.5	6.6	6.6	2.5	2.5	6	6	87	87			<0.2	<0.2	0.7	0.6			
						4.0	0.0	149	22.4	8.2	8.2	32.3	32.3	91.7	91.7	6.6	6.6	2.6	2.6	5	5	86	86			<0.2	<0.2	0.6	0.6			
						1.0	0.0	323	21.8	8.2	8.2	31.7	31.7	96.4	96.4	7.0	7.0	1.6	1.6	6	6	84	84			<0.2	<0.2	0.6	0.5			
IM2	Cloudy	Moderate	09:32	0.0	Surface	1.0	0.0	343	21.8	8.2	8.2	31.7	31.7	96.3	96.3	7.0	7.0	1.6	1.6	5	5	84	84			<0.2	<0.2	0.5	0.5			
						3.5	0.1	356	22.3	8.2	8.2	32.1	32.1	95.0	95.0	6.9	6.9	2.4	2.4	6	6	88	88			0.2	0.2	0.6	0.6			
						3.5	0.1	328	22.3	8.2	8.2	32.2	32.2	94.9	94.9	6.8	6.8	2.5	2.5	5	5	88	88			0.2	0.2	0.4	0.4			
					Middle	5.9	0.1	39	22.5	8.2	8.2	32.4	32.4	95.7	95.7	6.9	6.9	3.1	3.1	4	4	89	89			<0.2	<0.2	0.5	0.5			
						5.9	0.1	40	22.5	8.2	8.2	32.4	32.4	95.9	95.9	6.9	6.9	3.2	3.2	3	3	89	89			<0.2	<0.2	0.5	0.5			
						1.0	0.1	246	21.9	8.2	8.2	31.8	31.8	96.2	96.2	7.0	7.0	1.7	1.7	5	5	84	84			<0.2	<0.2	0.3	0.4			
IM3	Cloudy	Moderate	09:39	0.0	Surface	1.0	0.1	269	21.9	8.2	8.2	31.8	31.8	96.2	96.2	7.0	7.0	1.7	1.7	4	4	85	85			<0.2	<0.2	0.4	0.4			
						3.7	0.0	49	22.2	8.2	8.2	32.0	32.0	94.3	94.3	6.8	6.8	2.3	2.3	5	5	87	87			<0.2	<0.2	0.4	0.4			
						3.7	0.0	51	22.2	8.2	8.2	32.0	32.0	94.1	94.1	6.8	6.8	2.5	2.5	5	5	88	88			<0.2	<0.2	0.4	0.4			
					Middle	6.3	0.1	17	22.6	8.2	8.2	32.4	32.4	93.9	93.9	6.7	6.7	3.3	3.3	6	6	89	89			<0.2	<0.2	0.5	0.5			
						6.3	0.1	18	22.6	8.2	8.2	32.4	32.4	94.0	94.0	6.7	6.7	3.3	3.3	5	5	90	90			<0.2	<0.2	0.3	0.3			
						1.0	0.1	325	22.0	8.2	8.2	31.5	31.5	94.8	94.8	6.9	6.9	1.7	1.7	6	6	83	83			<0.2	<0.2	0.5	0.3			
IM4	Cloudy	Moderate	09:49	0.0	Surface	1.0	0.1	333	22.0	8.2	8.2	31.5	31.5	94.8	94.8	6.9	6.9	1.7	1.7	6	6	84	84			<0.2	<0.2	0.3	0.3			
						4.3	0.1	357	22.6	8.2	8.2	32.2	32.2	95.2	95.2	6.8	6.8	1.7	1.7	5	5	84	84			0.2	0.2	0.4	0.4			
						4.3	0.1	328	22.6	8.2	8.2	32.2	32.2	95.2	95.2	6.8	6.8	1.8	1.8	6	6	89	89			0.2	0.2	0.3	0.3			
					Middle	7.6	0.1	26	22.6	8.2	8.2	32.4	32.4	94.7	94.7	6.8	6.8	2.3	2.3	6	6	90	90			<0.2	<0.2	0.4	0.4			
						7.6	0.1	26	22.6	8.2	8.2	32.4	32.4	94.8	94.8	6.8	6.8	2.3	2.3	7	7	90	90			<0.2	<0.2	0.5	0.5			
						1.0	0.1	357	22.0	8.2	8.2	31.0	31.0	93.1	93.1	6.8	6.8	1.6	1.6	5	5	83	83			<0.2	<0.2	0.4	0.4			
IM5	Cloudy	Moderate	09:57	0.0	Surface	1.0	0.1	328	22.0	8.2	8.2	31.0	31.0	93.0	93.0	6.8	6.8	1.6	1.6	6	6	83	83			<0.2	<0.2	0.4	0.4			
						3.9	0.1	15	22.4	8.2	8.2	31.9	31.9	93.0	93.0	6.7	6.7	2.4	2.4	5	5	89	89			<0.2	<0.2	0.4	0.4			
						3.9	0.1	15	22.4	8.2	8.2	31.9	31.9	92.9	92.9	6.7	6.7	2.4	2.4	6	6	89	89			<0.2	<0.2	0.3	0.3			
					Middle	6.7	0.1	42	22.4	8.2	8.2	32.2	32.2	93.8	93.8	6.8	6.8	4.1	4.1	4	4	107	107			<0.2	<0.2	0.3	0.3			
						6.7	0.1	42	22.4	8.2	8.2	32.2	32.2	94.3	94.3	6.8	6.8	4.3	4.3	4	4	107	107			<0.2	<0.2	0.4	0.4			
						1.0	0.0	244	22.0	8.2	8.2	30.6	30.6	91.9	91.9	6.7	6.7	2.1	2.1	5	5	84	84			<0.2	<0.2	0.4	0.5			
IM6	Cloudy	Moderate	10:04	0.0	Surface	1.0	0.0	263	22.0	8.2	8.2	30.6	30.6	91.8	91.8	6.7	6.7	2.1	2.1	5	5	84	84			<0.2	<0.2	0.5	0.5			
						3.8	0.1	78	22.3	8.2	8.2	31.8	31.8	91.8	91.8	6.6	6.6	2.6	2.6	5	5	87	87			<0.2	<0.2	0.4	0.5			
						3.8	0.1	79	22.3	8.2	8.2	31.8	31.8	91.8	91.8	6.6	6.6	2.6	2.6	5	5	94	94			<0.2	<0.2	0.5	0.5			
					Middle	6.6	0.1	76	22.4	8.2	8.2	32.1	32.1	92.1	92.1	6.6	6.6	3.0	3.0	6	6	96	96			0.2	0.2	0.5	0.5			
						6.6	0.1	78	22.4	8.2	8.2	32.1	32.1	92.2	92.2	6.6	6.6	2.9	2.9	6	6	89	89			0.2	0.2	0.4	0.4			
						1.0	0.1	266	21.9	8.2	8.2	30.4	30.4	92.5	92.5	6.8	6.8	1.7	1.7	5	5	84	84			<0.2	<0.2	0.4	0.4			
IM7	Cloudy	Moderate	10:12	0.0	Surface	1.0	0.1	292	21.9	8.2	8.2	30.4	30.4	92.5	92.5	6.8	6.8	1.8	1.8	6	6	88	88			<0.2	<0.2	0.4	0.4			
						4.5	0.1	111	22.0	8.2	8.2	31.2	31.2	92.7	92.7	6.8	6.8	2.2	2.2	5	5	88	88			<0.2	<0.2	0.3	0.3			
						4.5	0.1	114	22.0	8.2																						





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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
C1	Misty	Calm	11:04	8.4	Surface	1.0	0.1	70	22.3	22.3	8.2	8.2	32.1	32.1	101.3	101.0	7.3	7.3	1.2	2	86	88	88	88	815609	804266	<0.2	0.7	<0.2	0.8							
						1.0	0.1	73	22.3	8.2	8.2	32.2	32.2	100.7	97.2	7.3	7.0	1.3	3	86	88	88	88	<0.2			0.9	<0.2	0.8								
						4.2	0.1	78	22.3	8.2	8.2	32.8	32.8	97.3	97.0	7.0	7.0	6.1	3	89	89	89	89	<0.2			0.8	<0.2	0.9								
					Middle	4.2	0.1	85	22.3	8.2	8.2	32.8	32.8	97.1	97.0	7.0	7.0	6.1	2	89	89	89	89	<0.2			0.8	<0.2	0.9								
						7.4	0.1	233	22.3	8.2	8.2	32.9	32.9	97.0	97.0	7.0	7.0	6.9	5	90	90	90	90	<0.2			0.5	<0.2	0.6								
						7.4	0.1	252	22.3	8.2	8.2	32.9	32.9	97.4	97.0	7.0	7.0	7.0	5	90	90	90	90	<0.2			0.6	<0.2	0.6								
					C2	Fine	Moderate	12:22	11.8	Surface	1.0	0.2	158	22.2	22.2	8.0	8.0	31.6	31.7	101.4	101.4	7.4	7.4	3.3			6	84	84	84	84	825662	806960	<0.2	0.8	<0.2	0.9
											1.0	0.2	168	22.2	8.0	8.0	31.7	31.7	101.4	96.4	7.4	7.0	3.3	5			84	86	87	87	<0.2			0.8	<0.2	0.8	
											5.9	0.3	186	22.0	8.0	8.0	32.5	32.5	96.4	96.4	7.0	7.0	3.4	4			86	87	87	87	<0.2			0.8	<0.2	0.8	
Middle	5.9	0.3	195	22.0						8.0	8.0	32.5	32.5	96.4	96.4	7.0	7.0	3.4	3	87	87	87	87	<0.2	0.8	<0.2	0.8										
	10.8	0.2	191	22.0						8.1	8.1	32.5	32.5	96.1	96.2	7.0	7.0	4.8	3	89	89	89	89	<0.2	1.0	<0.2	1.0										
	10.8	0.2	207	22.0						8.1	8.1	32.5	32.5	96.2	96.2	7.0	7.0	4.8	3	88	88	88	88	<0.2	1.0	<0.2	1.0										
C3	Fine	Moderate	10:03	12.7						Surface	1.0	0.1	293	22.1	22.1	8.1	8.1	33.1	33.1	96.5	96.5	7.0	7.0	1.8	<2	85	85	85	85	822090	817784			<0.2	0.6	<0.2	0.7
											1.0	0.1	318	22.1	8.1	8.1	33.1	33.1	96.5	95.4	7.0	7.0	1.8	5	85	87	87	87	<0.2					0.6	<0.2	0.6	
											6.4	0.0	318	22.1	8.1	8.1	33.1	33.1	95.4	95.4	6.9	6.9	1.9	<2	87	87	87	87	<0.2					0.5	<0.2	0.6	
					Middle	6.4	0.0	339	22.1	8.1	8.1	33.1	33.1	95.4	95.4	6.9	6.9	1.9	<2	87	87	87	87	<0.2	0.6	<0.2	0.6										
						11.7	0.0	86	22.1	8.1	8.1	33.1	33.1	94.8	94.8	6.8	6.8	1.9	<2	89	89	89	89	<0.2	0.5	<0.2	0.5										
						11.7	0.0	87	22.1	8.1	8.1	33.1	33.1	94.8	94.8	6.8	6.8	1.9	<2	89	89	89	89	<0.2	0.7	<0.2	0.7										
					IM1	Misty	Calm	11:25	4.8	Surface	1.0	0.0	168	22.4	22.4	8.2	8.2	31.9	32.0	101.8	101.4	7.4	7.4	1.9	3	86	86	86	86			817934	807135	<0.2	0.7	<0.2	0.5
											1.0	0.0	177	22.3	8.2	8.2	32.0	32.0	100.9	100.9	7.3	7.3	1.9	4	86	86	86	86	<0.2					0.5	<0.2	0.5	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
	3.8	0.1	116	22.3						8.2	8.2	32.1	32.1	100.8	100.9	7.3	7.3	3.7	2	89	89	89	89	<0.2	0.7	<0.2	0.7										
	3.8	0.1	117	22.3						8.2	8.2	32.1	32.1	100.9	100.9	7.3	7.3	3.7	2	89	89	89	89	<0.2	0.7	<0.2	0.7										
IM2	Misty	Calm	11:32	6.6						Surface	1.0	0.1	226	22.4	22.4	8.3	8.3	32.1	32.1	103.0	102.9	7.4	7.4	2.1	4	85	87	87	87	818170	806156			<0.2	0.5	<0.2	0.6
											1.0	0.1	236	22.4	8.3	8.3	32.1	32.1	102.8	102.9	7.4	7.4	2.0	4	87	87	87	87	<0.2					0.6	<0.2	0.6	
											3.3	0.1	122	22.3	8.2	8.2	32.3	32.3	98.8	98.6	7.1	7.1	5.5	3	87	87	87	87	<0.2					0.6	<0.2	0.7	
					Middle	3.3	0.1	125	22.3	8.2	8.2	32.3	32.3	98.3	98.3	7.1	7.1	5.5	4	87	87	87	87	<0.2	0.6	<0.2	0.6										
						5.6	0.1	90	22.3	8.2	8.2	32.4	32.4	98.4	98.6	7.1	7.1	6.4	3	90	90	90	90	<0.2	0.6	<0.2	0.6										
						5.6	0.1	90	22.4	8.2	8.2	32.4	32.4	98.7	98.6	7.1	7.1	6.4	3	89	89	89	89	<0.2	0.6	<0.2	0.6										
					IM3	Misty	Calm	11:38	6.8	Surface	1.0	0.1	263	22.4	22.4	8.3	8.3	32.1	32.1	103.7	103.6	7.5	7.5	2.1	3	85	86	86	86			818796	805592	<0.2	0.6	<0.2	0.6
											1.0	0.1	281	22.4	8.3	8.3	32.1	32.1	103.5	103.6	7.5	7.5	2.2	3	86	88	88	88	<0.2					0.6	<0.2	0.6	
											3.4	0.0	156	22.3	8.2	8.2	32.2	32.2	101.6	101.5	7.3	7.3	3.5	4	88	87	87	87	<0.2					0.5	<0.2	0.5	
Middle	3.4	0.0	156	22.3						8.2	8.2	32.2	32.2	101.3	101.3	7.3	7.3	3.5	4	87	87	87	87	<0.2	0.5	<0.2	0.5										
	5.8	0.1	100	22.4						8.2	8.2	32.3	32.3	99.7	99.7	7.2	7.2	6.0	5	90	90	90	90	<0.2	0.5	<0.2	0.5										
	5.8	0.1	103	22.4						8.2	8.2	32.3	32.3	99.6	99.6	7.2	7.2	6.0	4	87	87	87	87	<0.2	0.5	<0.2	0.5										
IM4	Misty	Calm	11:48	8.0						Surface	1.0	0.2	205	22.4	22.4	8.2	8.2	31.8	31.9	102.1	102.2	7.4	7.4	1.9	3	87	88	88	88	819708	804601			<0.2	0.5	<0.2	0.4
											1.0	0.2	213	22.3	8.3	8.3	31.9	31.9	102.2	102.2	7.4	7.4	1.9	4	99	88	88	88	<0.2					0.4	<0.2	0.5	
											4.0	0.1	182	22.3	8.3	8.3	32.0	32.0	102.2	102.2	7.4	7.4	2.1	3	88	88	88	88	<0.2					0.6	<0.2	0.6	
					Middle	4.0	0.1	189	22.3	8.3	8.3	32.0	32.0	102.2	102.2	7.4	7.4	2.0	4	88	88	88	88	<0.2	0.5	<0.2	0.5										
						7.0	0.1	112	22.3	8.3	8.3	32.2	32.2	100.5	100.6	7.3	7.3	2.2	5	90	90	90	90	<0.2	0.5	<0.2	0.5										
						7.0	0.1	114	22.3	8.3	8.3	32.2	32.2	100.6	100.6	7.3	7.3	2.2	4	91	91	91	91	<0.2	0.6	<0.2	0.6										
					IM5	Misty	Calm	11:55	7.4	Surface	1.0	0.3	236	22.3	22.3	8.2	8.2	31.5	31.5	101.2	101.2	7.3	7.3	1.5	5	87	88	88	88			820722	804862	<0.2	0.5	<0.2	0.4
											1.0	0.3	259	22.3	8.2	8.2	31.6	31.5	101.2	101.2	7.3	7.3	1.5	4	88	89	89	89	<0.2					0.4	<0.2	0.4	
											3.7	0.2	219	22.3	8.2	8.2	31.9	31.9	100.4	100.3	7.3	7.3	1.6	4	89	89	89	89	<0.2					0.6	<0.2	0.6	
Middle	3.7	0.2	219	22.3						8.2	8.2	31.9	31.9	100.1	100.3	7.2	7.2	1.6	5	89	89	89	89	<0.2	0.7	<0.2	0.7										
	6.4	0.2	209	22.4						8.2	8.2	32.1	32.1	99.1	99.1	7.1	7.1	3.4	5	92	92	92	92	<0.2	0.6	<0.2	0.6										
	6.4	0.2	224	22.4						8.2	8.2	32.1	32.1	99.1	99.1	7.2	7.2	3.4	6	92	92	92	92	<0.2	0.6	<0.2	0.6										
IM6	Misty	Calm	12:03	7.2						Surface	1.0	0.2	251	22.3	22.3	8.2	8.2	31.2	31.2	100.1	100.1	7.3	7.3	1.7	5	85	86	86	86	821047	805812			<0.2	0.7	<0.2	0.6
											1.0	0.2	264	22.3	8.2	8.2	31.2	31.2	100.1	100.1	7.3	7.3	1.8	5	86	88	88	88	<0.2					0.6	<0.2	0.6	
											3.6	0.1	236	22.3	8.2	8.2	31.5	31.5	99.8	99.8	7.2	7.2	1.9	3	88	89	89										

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

Water Quality Monitoring Results on 25 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA				
IM9	Fine	Moderate	11:47	7.3	Surface	1.0	0.1	107	22.2	22.2	8.1	8.1	31.0	31.0	103.9	103.9	7.6	7.6	3.3	3.3	<2	<2	84	85	85	85	822096	808806	<0.2	0.9	<0.2	0.9					
						1.0	0.1	109	22.2	22.2	8.1	8.1	31.1	31.1	103.8	103.8	7.6	7.6	3.4	3.4	<2	<2	83	85	85	85			<0.2	0.9	<0.2	0.9					
						3.7	0.2	74	22.1	22.1	8.1	8.1	31.5	31.5	102.6	102.6	7.5	7.5	3.8	3.8	2	2	84	87	87	87			<0.2	0.9	<0.2	0.9					
					Middle	3.7	0.2	77	22.1	22.1	8.1	8.1	31.5	31.5	102.6	102.6	7.5	7.5	3.8	3.8	2	2	84	87	87	87			<0.2	0.9	<0.2	0.9					
						6.3	0.2	74	22.1	22.1	8.1	8.1	32.4	32.4	101.5	101.5	7.3	7.3	5.2	5.2	3	3	84	87	87	87			<0.2	0.9	<0.2	0.9					
						6.3	0.2	78	22.1	22.1	8.1	8.1	32.4	32.4	101.6	101.6	7.4	7.4	5.1	5.1	3	3	84	87	87	87			<0.2	0.9	<0.2	0.9					
					IM10	Fine	Moderate	11:39	7.7	Surface	1.0	0.2	86	22.2	22.2	8.0	8.0	31.2	31.2	102.1	102.1	7.4	7.4	3.4	3.4	3	3	83	85	85	85	822385	809786	<0.2	0.9	<0.2	0.9
											1.0	0.2	92	22.2	22.2	8.0	8.0	31.2	31.2	102.0	102.0	7.4	7.4	3.4	3.4	3	3	84	85	85	85			<0.2	0.9	<0.2	0.9
											3.9	0.2	104	22.0	22.0	8.1	8.1	32.1	32.1	97.8	97.9	7.1	7.1	4.2	4.2	4	4	85	86	86	86			<0.2	0.9	<0.2	0.9
Middle	3.9	0.2	112	22.0						22.0	8.1	8.1	32.1	32.1	97.9	97.9	7.1	7.1	4.3	4.3	5	5	85	86	86	86			<0.2	0.9	<0.2	0.9					
	6.7	0.2	89	22.1						22.1	8.1	8.1	32.3	32.3	98.9	98.9	7.2	7.2	5.4	5.4	5	5	86	87	87	87			<0.2	0.8	<0.2	0.8					
	6.7	0.3	93	22.1						22.1	8.1	8.1	32.3	32.3	98.8	98.8	7.2	7.2	5.4	5.4	6	6	87	87	87	87			<0.2	1.0	<0.2	1.0					
IM11	Fine	Moderate	11:27	7.4						Surface	1.0	0.3	89	22.2	22.2	8.1	8.1	30.9	30.9	103.4	103.4	7.5	7.5	3.1	3.1	5	5	84	85	85	85	822063	811474	<0.2	0.7	<0.2	0.7
											1.0	0.3	92	22.2	22.2	8.1	8.1	30.9	30.9	103.3	103.3	7.5	7.5	3.1	3.1	5	5	84	85	85	85			<0.2	0.7	<0.2	0.7
											3.7	0.2	86	22.1	22.1	8.1	8.1	32.2	32.2	99.9	99.8	7.2	7.2	2.8	2.8	5	5	85	86	86	86			<0.2	0.9	<0.2	0.9
					Middle	3.7	0.2	91	22.1	22.1	8.1	8.1	32.2	32.2	99.7	99.8	7.2	7.2	2.8	2.8	6	6	86	87	87	87			<0.2	0.9	<0.2	0.9					
						6.4	0.1	77	22.0	22.0	8.1	8.1	32.3	32.3	96.4	96.4	7.0	7.0	3.4	3.4	5	5	87	86	86	86			<0.2	0.9	<0.2	0.9					
						6.4	0.1	77	22.0	22.0	8.1	8.1	32.3	32.3	96.3	96.3	7.0	7.0	3.3	3.3	6	6	86	87	87	87			<0.2	0.9	<0.2	0.9					
					IM12	Fine	Moderate	11:20	8.9	Surface	1.0	0.2	142	22.0	22.0	8.0	8.0	32.3	32.3	97.3	97.3	7.1	7.1	2.9	2.9	7	7	84	83	83	83	821460	812060	<0.2	0.6	<0.2	0.6
											1.0	0.2	144	22.0	22.0	8.0	8.0	32.3	32.3	97.3	97.3	7.1	7.1	2.9	2.9	8	8	83	86	86	86			<0.2	0.7	<0.2	0.7
											4.5	0.2	150	22.0	22.0	8.0	8.0	32.3	32.3	96.8	96.7	7.0	7.0	2.9	2.9	8	8	86	85	85	85			<0.2	0.6	<0.2	0.6
Middle	4.5	0.2	157	22.0						22.0	8.0	8.0	32.3	32.3	96.6	96.6	7.0	7.0	2.9	2.9	7	7	85	88	88	88			<0.2	0.7	<0.2	0.7					
	7.9	0.1	141	22.0						22.0	8.1	8.1	32.4	32.4	94.9	94.9	6.9	6.9	3.3	3.3	8	8	88	87	87	87			<0.2	0.6	<0.2	0.6					
	7.9	0.1	154	22.0						22.0	8.1	8.1	32.4	32.4	94.9	94.9	6.9	6.9	3.3	3.3	7	7	87	88	88	88			<0.2	0.6	<0.2	0.6					
SR1A	Fine	Calm	10:45	5.2						Surface	1.0	-	-	22.0	22.0	8.0	8.0	31.9	31.9	93.2	93.3	6.8	6.8	2.7	2.7	4	4	-	-	-	-	819973	812655	-	-	-	-
											1.0	-	-	22.0	22.0	8.0	8.0	31.9	31.9	93.3	93.3	6.8	6.8	2.8	2.8	3	3	-	-	-	-			-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.2	-	-	22.0	22.0	8.0	8.0	32.0	32.0	93.7	93.7	6.8	6.8	3.0	3.0	4	4	-	-	-	-	-	-	-	-	-	-	-				
						4.2	-	-	22.0	22.0	8.0	8.0	32.0	32.0	93.7	93.7	6.8	6.8	3.0	3.0	5	5	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Fine	Moderate	10:28	4.9	Surface	1.0	0.1	128	22.0	22.0	8.1	8.1	32.4	32.4	97.3	97.3	7.0	7.0	2.6	2.6	6	6	85	86	86	86	821471	814149	<0.2	0.6	<0.2	0.6
											1.0	0.1	136	22.0	22.0	8.1	8.1	32.4	32.4	97.2	97.2	7.0	7.0	2.6	2.6	5	5	86	88	88	88			<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.9	0.1	119	22.0						22.0	8.1	8.1	32.5	32.5	96.9	96.9	7.0	7.0	2.5	2.5	7	7	88	88	88	88			<0.2	0.7	<0.2	0.7					
	3.9	0.1	130	22.0						22.0	8.1	8.1	32.5	32.5	96.9	96.9	7.0	7.0	2.5	2.5	7	7	88	88	88	88			<0.2	0.6	<0.2	0.6					
SR3	Fine	Moderate	12:00	9.1						Surface	1.0	0.1	236	22.2	22.2	8.0	8.0	31.1	31.1	102.3	102.3	7.4	7.4	3.1	3.1	6	6	-	-	-	-	822161	807547	-	-	-	-
											1.0	0.1	255	22.2	22.2	8.0	8.0	31.1	31.1	102.3	102.3	7.4	7.4	3.1	3.1	7	7	-	-	-	-			-	-	-	-
											4.6	0.1	203	22.0	22.0	8.1	8.1	32.0	32.0	99.2	99.3	7.2	7.2	2.9	2.9	6	6	-	-	-	-			-	-	-	-
					Middle	4.6	0.1	203	22.0	22.0	8.1	8.1	32.0	32.0	99.3	99.3	7.2	7.2	2.9	2.9	5	5	-	-	-	-			-	-	-	-					
						8.1	0.1	201	22.0	22.1	8.1	8.1	32.2	32.2	99.2	99.2	7.2	7.2	6.6	6.6	6	6	-	-	-	-			-	-	-	-					
						8.1	0.1	206	22.1	22.1	8.1	8.1	32.2	32.2	99.2	99.2	7.2	7.2	6.6	6.6	5	5	-	-	-	-			-	-	-	-					
					SR4A	Misty	Calm	10:43	8.8	Surface	1.0	0.3	82	22.2	22.2	8.2	8.2	31.8	31.8	99.9	99.8	7.2	7.2	2.5	2.5	8	8	-	-	-	-	817191	807798	-	-	-	-
											1.0	0.3	88	22.2	22.2	8.2	8.2	31.8	31.8	99.6	99.6	7.2	7.2	2.6	2.6	7	7	-	-	-	-			-	-	-	-
											4.4	0.2	68	22.2	22.2	8.2	8.2	32.1	32.0	98.9	98.9	7.2	7.2	3.1	3.1	8	8	-	-	-	-			-	-	-	-
Middle	4.4	0.2	68	22.2						22.2	8.2	8.2	32.0	32.0	98.8	98.8	7.1	7.1	3.2	3.2	7	7	-	-	-	-			-	-	-	-					
	7.8	0.2	82	22.2						22.2	8.2	8.2	32.1	32.1	98.5	98.6	7.1	7.1	3.4	3.4	6	6	-	-	-	-			-	-	-	-					
	7.8	0.2	86	22.2						22.2	8.2	8.2	32.1	32.1	98.7	98.6	7.1	7.1	3.3	3.3	6	6	-	-	-	-			-	-	-	-					
SR5A	Misty	Calm	10:25	4.0						Surface	1.0	0.1	334	22.2	22.2	8.1	8.1	31.5	31.5	89.5	89.5	6.5	6.5	4.9	4.9	7	7	-	-	-	-	816578	810684	-	-	-	-
											1.0	0.1	335	22.2	22.2	8.1	8.1	31.5	31.5	89.5	89.5	6.5	6.5	4.9	4.9	4	4	-	-	-	-			-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.0	0.0	255	22.2	22.2	8.1	8.1	31.4	31.4	90.0	90.1	6.5	6.5	5.4	5.4	6	6	-	-	-	-			-	-	-	-					
						3.0	0.0	260	2																												

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

Water Quality Monitoring Results on 25 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Misty	Calm	15:30	8.8	Surface	1.0	0.3	46	22.6	8.3	8.3	32.5	32.5	108.2	108.0	7.8	7.5	1.3	7	89	91	815621	804236	<0.2	0.4	0.4	0.4				
						1.0	0.3	46	22.5	8.3	8.3	32.5	32.5	107.7	108.0	7.7	7.5	1.3	6	88	91	<0.2	0.4	0.4	0.4						
					Middle	4.4	0.2	39	22.4	22.4	8.3	8.3	32.7	32.7	99.9	99.8	7.2	7.5	1.5	5	90	91	<0.2	0.5	0.4	0.4					
						4.4	0.2	41	22.4	22.4	8.3	8.3	32.7	32.7	99.7	99.7	7.2	7.5	1.5	5	90	91	<0.2	0.4	0.4	0.4					
					Bottom	7.8	0.2	30	22.4	22.4	8.3	8.3	32.8	32.8	95.7	95.7	6.9	6.9	9.1	5	93	91	<0.2	0.4	0.4	0.4					
						7.8	0.2	32	22.4	22.4	8.3	8.3	32.7	32.7	95.7	95.7	6.9	6.9	9.1	4	94	91	<0.2	0.5	0.4	0.4					
C2	Fine	Moderate	14:26	11.6	Surface	1.0	0.1	320	22.4	22.4	8.1	8.1	31.4	31.4	105.0	105.0	7.6	7.6	3.2	6	85	86	825672	806964	<0.2	0.9	0.9	0.9			
						1.0	0.1	332	22.4	22.4	8.1	8.1	31.4	31.4	105.0	105.0	7.6	7.6	3.3	7	84	86	<0.2	1.0	0.9	0.9					
					Middle	5.8	0.1	286	22.3	22.3	8.1	8.1	31.6	31.6	103.4	103.4	7.5	7.5	3.3	6	86	86	<0.2	0.9	0.9	0.9					
						5.8	0.1	297	22.3	22.3	8.1	8.1	31.6	31.6	103.4	103.4	7.5	7.5	3.4	5	86	86	<0.2	0.9	0.9	0.9					
					Bottom	10.6	0.0	137	22.0	22.0	8.1	8.1	32.5	32.5	96.3	96.3	7.0	7.0	3.3	5	88	88	<0.2	0.8	0.8	0.8					
						10.6	0.0	150	22.0	22.0	8.1	8.1	32.5	32.5	96.3	96.3	7.0	7.0	3.3	5	88	88	<0.2	0.8	0.8	0.8					
C3	Fine	Moderate	17:04	12.4	Surface	1.0	0.5	250	22.3	22.3	8.1	8.1	33.0	33.0	101.8	101.8	7.3	7.3	1.7	5	85	87	822089	817824	<0.2	0.7	0.6	0.6			
						1.0	0.5	260	22.3	22.3	8.1	8.1	33.0	33.0	101.7	101.7	7.3	7.3	1.7	6	85	87	<0.2	0.7	0.6	0.6					
					Middle	6.2	0.4	259	22.2	22.2	8.1	8.1	33.1	33.1	99.7	99.7	7.2	7.2	2.0	4	87	87	<0.2	0.4	0.4	0.4					
						6.2	0.4	261	22.2	22.2	8.1	8.1	33.1	33.1	99.7	99.7	7.2	7.2	2.0	3	87	87	<0.2	0.5	0.5	0.5					
					Bottom	11.4	0.3	265	22.1	22.1	8.1	8.1	33.2	33.2	94.5	94.5	6.8	6.8	2.7	2	89	89	<0.2	0.4	0.4	0.4					
						11.4	0.3	273	22.1	22.1	8.1	8.1	33.2	33.2	94.5	94.5	6.8	6.8	2.7	2	89	89	<0.2	0.6	0.6	0.6					
IM1	Misty	Calm	15:07	4.8	Surface	1.0	0.1	359	22.6	22.6	8.3	8.3	32.2	32.2	106.6	106.5	7.6	7.6	3.2	8	87	90	817937	807144	<0.2	0.6	0.6	0.6			
						1.0	0.1	330	22.6	22.6	8.3	8.3	32.3	32.3	106.4	106.5	7.6	7.6	3.2	7	87	90	<0.2	0.6	0.6	0.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.1	29	22.4	22.4	8.3	8.3	32.4	32.4	99.9	100.1	7.2	7.2	5.0	6	92	93	<0.2	0.6	0.6	0.6					
						3.8	0.1	29	22.4	22.4	8.3	8.3	32.4	32.4	100.2	100.2	7.2	7.2	5.0	5	93	93	<0.2	0.6	0.6	0.6					
IM2	Misty	Calm	15:00	6.6	Surface	1.0	0.1	345	22.6	22.6	8.3	8.3	32.2	32.3	105.5	105.2	7.6	7.4	1.1	9	86	89	818151	806155	<0.2	0.7	0.7	0.7			
						1.0	0.1	317	22.5	22.6	8.3	8.3	32.3	32.3	104.8	104.8	7.5	7.4	1.0	9	87	89	<0.2	0.7	0.7	0.7					
					Middle	3.3	0.1	358	22.5	22.5	8.3	8.3	32.5	32.5	101.1	100.2	7.3	7.3	3.2	6	90	89	<0.2	0.5	0.5	0.5					
						3.3	0.1	329	22.5	22.5	8.3	8.3	32.6	32.5	99.3	100.2	7.1	7.3	3.1	5	90	89	<0.2	0.6	0.6	0.6					
					Bottom	5.6	0.2	38	22.4	22.4	8.3	8.3	32.7	32.6	91.0	91.2	6.5	6.6	5.7	3	91	91	<0.2	0.6	0.6	0.6					
						5.6	0.2	41	22.5	22.5	8.3	8.3	32.6	32.6	91.3	91.2	6.6	6.6	5.8	4	91	91	<0.2	0.6	0.6	0.6					
IM3	Misty	Calm	14:53	6.8	Surface	1.0	0.1	318	22.7	22.7	8.3	8.3	32.1	32.1	109.5	109.4	7.9	7.8	1.1	4	85	88	818776	805601	<0.2	0.4	0.4	0.4			
						1.0	0.1	339	22.7	22.7	8.3	8.3	32.1	32.1	109.2	109.4	7.8	7.8	1.1	5	85	88	<0.2	0.5	0.5	0.5					
					Middle	3.4	0.1	345	22.5	22.5	8.3	8.3	32.2	32.2	107.3	107.2	7.7	7.7	1.9	5	88	88	<0.2	0.4	0.4	0.4					
						3.4	0.1	317	22.5	22.5	8.3	8.3	32.2	32.2	107.0	107.0	7.7	7.7	2.0	4	89	89	<0.2	0.5	0.5	0.5					
					Bottom	5.8	0.1	22	22.5	22.5	8.3	8.3	32.3	32.3	101.0	101.0	7.3	7.3	9.0	5	89	90	<0.2	0.5	0.5	0.5					
						5.8	0.1	22	22.5	22.5	8.3	8.3	32.3	32.3	100.9	101.0	7.3	7.3	8.9	6	90	90	<0.2	0.5	0.5	0.5					
IM4	Misty	Calm	14:43	8.0	Surface	1.0	0.1	348	22.5	22.5	8.3	8.3	31.9	31.9	101.9	101.9	7.3	7.3	1.2	4	86	89	819721	804599	<0.2	0.4	0.4	0.4			
						1.0	0.1	320	22.5	22.5	8.3	8.3	31.9	31.9	101.9	101.9	7.3	7.3	1.2	4	87	89	<0.2	0.5	0.5	0.5					
					Middle	4.0	0.1	0	22.4	22.4	8.3	8.3	32.0	32.0	101.3	101.2	7.3	7.3	1.6	5	88	89	<0.2	0.5	0.5	0.5					
						4.0	0.1	0	22.4	22.4	8.3	8.3	32.0	32.0	101.1	101.2	7.3	7.3	1.5	6	88	89	<0.2	0.5	0.5	0.5					
					Bottom	7.0	0.2	29	22.5	22.5	8.3	8.3	32.3	32.3	98.4	98.5	7.1	7.1	2.7	6	91	91	<0.2	0.7	0.7	0.7					
						7.0	0.2	29	22.5	22.5	8.3	8.3	32.3	32.3	98.5	98.5	7.1	7.1	2.8	5	92	92	<0.2	0.7	0.7	0.7					
IM5	Misty	Moderate	14:36	7.4	Surface	1.0	0.1	301	22.5	22.5	8.3	8.3	31.8	31.8	101.7	101.6	7.3	7.3	3.2	7	87	89	820713	804867	<0.2	0.5	0.5	0.5			
						1.0	0.1	317	22.4	22.4	8.3	8.3	31.8	31.8	101.4	101.3	7.3	7.3	3.1	6	87	89	<0.2	0.5	0.5	0.5					
					Middle	3.7	0.1	280	22.4	22.4	8.3	8.3	32.0	32.0	100.4	100.3	7.2	7.2	3.4	6	89	89	<0.2	0.5	0.5	0.5					
						3.7	0.1	295	22.4	22.4	8.3	8.3	32.0	32.0	100.2	100.2	7.2	7.2	3.4	6	90	90	<0.2	0.5	0.5	0.5					
					Bottom	6.4	0.0	125	22.5	22.5	8.2	8.2	32.1	32.1	99.1	99.1	7.1	7.1	3.3	5	91	91	<0.2	0.4	0.4	0.4					
						6.4	0.0	135	22.5	22.5	8.2	8.2	32.1	32.1	99.1	99.1	7.1	7.1	3.3	6	91	91	<0.2	0.4	0.4	0.4					
IM6	Misty	Moderate	14:29	7.2	Surface	1.0	0.1	199	22.5	22.5	8.3	8.3	31.4	31.4	102.2	102.2	7.4	7.4	2.9	6	89	90	821071	805849	<0.2	0.6	0.6	0.6			
						1.0	0.1	214	22.5	22.5	8.3	8.3	31.4	31.4	102.2	102.2	7.4	7.4	2.9	7	89	90	<0.2	0.6	0.6	0.6					
					Middle	3.6	0.1	229	22.4	22.4	8.2	8.2	31.7	31.7	101.5	101.5	7.3	7.3	4.0	5	87	90	<0.2	0.6	0.6	0.6					
						3.6	0.1	230	22.4	22.4	8.2	8.2	31.7	31.7	101.4	101.5	7.3	7.3	3.9	6	87	90	<0.2	0.6	0.6	0.6					
					Bottom	6.2	0.1	227	22.5	22.5	8.2	8.2	31.8	31.8	100.2	100.2	7.2	7.2	5.7	5	91	91	<0.2	0.5	0.5	0.5					
						6.2	0.1	234	22.5	22.5	8.2	8.																			

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

Water Quality Monitoring Results on 25 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Fine	Moderate	15:03	7.4	Surface	1.0	0.3	248	22.3	22.3	8.1	8.1	31.9	31.9	104.9	104.9	7.6	7.6	3.4	5	84	86	82	86	822111	808806	<0.2	0.8	<0.2	0.8							
						1.0	0.3	248	22.3	8.1	8.1	31.9	31.9	104.8	104.8	7.6	7.6	3.4	6	83	86	82	86	86	88	86	88	<0.2	0.8	<0.2	0.8						
						3.7	0.3	241	22.2	8.1	8.1	32.1	32.1	101.6	101.6	7.4	7.4	3.8	5	85	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8						
					Middle	3.7	0.4	263	22.2	8.1	8.1	32.1	32.1	101.6	101.6	7.4	7.4	3.8	6	86	86	86	88	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8				
						6.4	0.1	238	22.1	8.1	8.1	32.4	32.4	100.0	100.0	7.2	7.2	4.1	6	88	86	86	88	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8				
						6.4	0.2	257	22.1	8.1	8.1	32.4	32.4	100.0	100.0	7.2	7.2	4.1	6	88	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8						
					IM10	Fine	Moderate	15:13	8.6	Surface	1.0	0.3	315	22.3	22.3	8.1	8.1	31.7	31.7	104.6	104.6	7.6	7.6	2.9	5	83	86	86	88	822404	809780	<0.2	0.8	<0.2	0.8		
											1.0	0.3	323	22.3	8.1	8.1	31.7	31.7	104.5	104.5	7.6	7.6	3.0	6	84	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8	
											4.3	0.2	300	22.1	8.0	8.0	32.3	32.3	98.2	98.2	7.1	7.1	2.8	4	86	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8	
Middle	4.3	0.2	325	22.1						8.0	8.0	32.3	32.3	98.1	98.1	7.1	7.1	2.9	5	86	86	86	88	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8				
	7.6	0.2	291	22.0						8.0	8.0	32.4	32.4	97.0	97.0	7.0	7.0	3.0	4	88	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8						
	7.6	0.2	306	22.0						8.0	8.0	32.4	32.4	97.0	97.0	7.0	7.0	3.0	3	89	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8						
IM11	Fine	Moderate	15:28	8.8						Surface	1.0	0.3	267	22.3	22.3	8.0	8.0	31.9	31.9	101.3	101.3	7.3	7.3	2.7	4	84	86	86	88	822048	811461	<0.2	0.7	<0.2	0.8		
											1.0	0.3	284	22.3	8.0	8.0	31.9	31.9	101.2	101.2	7.3	7.3	2.7	5	84	86	86	88	86	88	86	88	<0.2	0.7	<0.2	0.8	
											4.4	0.3	261	22.1	8.0	8.0	32.3	32.3	98.0	98.1	7.1	7.1	2.5	3	85	86	86	88	86	88	86	88	<0.2	0.7	<0.2	0.8	
					Middle	4.4	0.3	274	22.1	8.0	8.0	32.2	32.3	98.1	98.1	7.1	7.1	2.5	3	86	86	86	88	86	88	86	88	86	88	<0.2	0.7	<0.2	0.8				
						7.8	0.3	257	22.0	8.0	8.0	32.4	32.4	94.9	94.9	6.9	6.9	3.5	3	88	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8						
						7.8	0.3	274	22.0	8.0	8.0	32.4	32.4	94.9	94.9	6.9	6.9	3.5	3	89	86	86	88	86	88	86	88	<0.2	0.8	<0.2	0.8						
					IM12	Fine	Moderate	15:37	9.3	Surface	1.0	0.4	266	22.2	22.2	8.1	8.1	32.1	32.1	104.3	104.3	7.5	7.5	2.6	4	84	86	86	88	821477	812032	<0.2	0.7	<0.2	0.8		
											1.0	0.4	275	22.2	8.1	8.1	32.1	32.1	104.3	104.3	7.5	7.5	2.6	5	84	86	86	88	86	88	86	88	<0.2	0.7	<0.2	0.8	
											4.7	0.3	276	22.1	8.0	8.0	32.2	32.2	100.9	100.9	7.3	7.3	2.9	3	85	86	86	88	86	88	86	88	<0.2	0.6	<0.2	0.8	
Middle	4.7	0.3	300	22.1						8.0	8.0	32.2	32.2	100.9	100.9	7.3	7.3	3.0	4	85	86	86	88	86	88	86	88	86	88	<0.2	0.6	<0.2	0.8				
	8.3	0.2	280	22.1						8.0	8.0	32.4	32.4	96.0	96.1	7.0	7.0	3.7	3	88	86	86	88	86	88	86	88	<0.2	0.7	<0.2	0.8						
	8.3	0.2	292	22.1						8.1	8.1	32.4	32.4	96.2	96.2	7.0	7.0	3.8	3	88	86	86	88	86	88	86	88	<0.2	0.6	<0.2	0.8						
SR1A	Fine	Calm	16:17	5.0						Surface	1.0	-	-	22.4	22.4	8.0	8.0	31.9	31.9	97.4	97.4	7.0	7.0	3.3	4	-	-	-	-	819973	812663	-	-	-	-		
											1.0	-	-	22.3	22.3	8.0	8.0	31.9	31.9	97.3	97.3	7.0	7.0	3.4	5	-	-	-	-	-	-	819973	812663	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.0	-	-	22.2	22.2	8.0	8.0	32.0	32.0	97.6	97.7	7.1	7.1	3.9	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.0	-	-	22.2	22.2	8.0	8.0	32.0	32.0	97.8	97.8	7.1	7.1	3.9	5	-	-	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Fine	Moderate	16:36	4.7	Surface	1.0	0.4	321	22.3	22.3	8.1	8.1	32.5	32.5	102.7	102.7	7.4	7.4	3.7	5	85	86	86	88	821446	814181	<0.2	0.6	<0.2	0.6		
											1.0	0.5	336	22.3	8.1	8.1	32.5	32.5	102.7	102.7	7.4	7.4	3.6	5	86	86	86	88	86	88	86	88	<0.2	0.6	<0.2	0.6	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.7	0.4	331	22.3						8.1	8.1	32.5	32.5	102.4	102.4	7.4	7.4	4.4	4	88	86	86	88	86	88	86	88	86	88	<0.2	0.6	<0.2	0.6				
	3.7	0.5	334	22.3						8.1	8.1	32.5	32.5	102.3	102.3	7.4	7.4	4.5	5	87	86	86	88	86	88	86	88	<0.2	0.5	<0.2	0.6						
SR3	Fine	Moderate	14:48	9.0						Surface	1.0	0.3	254	22.4	22.4	8.1	8.1	31.5	31.5	106.7	106.7	7.7	7.7	3.1	5	-	-	-	-	822168	807567	-	-	-	-		
											1.0	0.3	268	22.4	8.1	8.1	31.5	31.5	106.7	106.7	7.7	7.7	3.1	6	-	-	-	-	-	-	-	-	-	-	-	-	
											4.5	0.2	234	22.3	8.1	8.1	31.8	31.8	105.2	105.2	7.6	7.6	3.5	5	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.5	0.2	240	22.2	8.1	8.1	31.8	31.8	105.2	105.2	7.6	7.6	3.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-					
						8.0	0.2	229	22.1	8.1	8.1	32.3	32.3	100.8	100.8	7.3	7.3	5.5	4	-	-	-	-	-	-	-	-	-	-	-	-	-					
						8.0	0.2	249	22.1	8.1	8.1	32.3	32.3	100.8	100.8	7.3	7.3	5.5	5	-	-	-	-	-	-	-	-	-	-	-	-	-					
					SR4A	Misty	Calm	15:50	9.6	Surface	1.0	0.1	232	22.8	22.8	8.3	8.3	31.9	32.0	105.2	104.9	7.5	7.5	2.1	6	-	-	-	-	817184	807827	-	-	-	-		
											1.0	0.1	244	22.7	8.3	8.3	32.0	32.0	104.5	104.5	7.5	7.5	2.2	5	-	-	-	-	-	-	-	-	-	-	-		
											4.8	0.0	112	22.5	8.3	8.3	32.2	32.2	102.3	102.3	7.4	7.4	2.8	6	-	-	-	-	-	-	-	-	-	-	-		
Middle	4.8	0.0	117	22.5						8.3	8.3	32.2	32.2	102.3	102.3	7.4	7.4	2.8	5	-	-	-	-	-	-	-	-	-	-	-	-	-					
	8.6	0.1	77	22.4						8.3	8.3	32.4	32.4	99.5	99.7	7.2	7.2	3.5	5	-	-	-	-	-	-	-	-	-	-	-	-						
	8.6	0.1	83	22.4						8.3	8.3	32.4	32.4	99.9	99.9	7.2	7.2	3.4	5	-	-	-	-	-	-	-	-	-	-	-	-						
SR5A	Misty	Calm																																			

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

Water Quality Monitoring Results on 27 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	12:00	8.1	Surface	1.0	0.2	215	22.7	22.7	8.3	8.3	30.9	30.9	109.6	109.6	7.9	7.9	1.7	3	86	88	<0.2	1.2	815635	804269	<0.2	1.3			
						1.0	0.2	235	22.7	22.7	8.3	8.3	30.8	30.8	7.9	7.9	1.7	2	86	86	<0.2	1.3									
						4.1	0.3	218	22.4	22.4	8.3	8.3	31.7	31.7	101.3	101.3	7.3	3.4	3	89	89	<0.2	1.4								
					Middle	4.1	0.3	222	22.4	22.4	8.3	8.3	31.7	31.7	101.2	101.2	7.3	3.4	3	89	89	<0.2	1.6								
						7.1	0.2	209	22.4	22.4	8.3	8.3	32.0	32.0	99.5	99.5	7.2	4.8	4	89	89	<0.2	1.3								
						7.1	0.2	212	22.4	22.4	8.3	8.3	32.0	32.0	99.5	99.5	7.2	4.8	4	90	90	<0.2	1.2								
					Bottom	1.0	0.2	135	22.6	22.6	8.0	8.0	29.7	29.7	103.4	103.3	7.5	4.2	5	87	87	<0.2	1.0								
						1.0	0.2	146	22.6	22.6	8.0	8.0	29.8	29.7	103.2	103.2	7.5	4.3	5	87	87	<0.2	1.1								
						5.8	0.5	154	22.4	22.4	8.1	8.1	31.6	31.7	101.1	101.1	7.3	5.0	4	90	90	<0.2	1.0								
C2	Cloudy	Moderate	13:50	11.5	Surface	5.8	0.5	169	22.4	22.4	8.1	8.1	31.7	31.7	101.1	101.1	7.3	4.9	5	90	90	<0.2	1.1	825675	806950	<0.2	1.1				
						10.5	0.5	144	22.4	22.4	8.1	8.1	31.8	31.8	101.1	101.1	7.3	4.7	5	92	92	<0.2	1.0								
						10.5	0.5	155	22.4	22.4	8.1	8.1	31.8	31.8	101.2	101.2	7.3	4.7	4	93	93	<0.2	1.0								
					Middle	1.0	0.4	286	22.4	22.4	8.1	8.1	32.8	32.8	99.0	99.0	7.1	2.7	4	84	84	<0.2	0.7								
						1.0	0.4	306	22.4	22.4	8.1	8.1	32.8	32.8	98.9	98.9	7.1	2.7	3	84	84	<0.2	0.6								
						6.1	0.2	257	22.2	22.2	8.1	8.1	33.0	33.0	97.2	97.2	7.0	2.6	4	87	87	<0.2	0.7								
					Bottom	6.1	0.2	269	22.2	22.2	8.1	8.1	33.0	33.0	97.1	97.1	7.0	2.6	4	87	87	<0.2	0.6								
						11.2	0.1	120	22.2	22.2	8.1	8.1	33.1	33.1	97.5	97.6	7.0	2.7	4	89	89	<0.2	0.6								
						11.2	0.1	127	22.2	22.2	8.1	8.1	33.1	33.1	97.6	97.6	7.0	2.7	4	89	89	<0.2	0.6								
C3	Cloudy	Moderate	11:18	12.2	Surface	1.0	0.1	202	22.9	22.9	8.3	8.3	31.6	31.6	113.2	113.1	8.1	1.9	3	85	85	<0.2	0.6								
						1.0	0.1	203	22.9	22.9	8.3	8.3	31.6	31.6	113.0	113.0	8.1	2.0	4	85	85	<0.2	0.6								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	3.6	0.2	186	22.8	22.8	8.3	8.3	31.8	31.8	109.3	109.2	7.8	3.8	4	89	89	<0.2	0.5								
						3.6	0.2	199	22.8	22.8	8.3	8.3	31.8	31.8	109.1	109.1	7.8	3.9	3	86	86	<0.2	0.7								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	1.0	0.2	149	23.0	23.0	8.3	8.3	31.2	31.2	114.2	114.2	8.2	2.3	4	86	86	<0.2	0.6								
						1.0	0.2	152	23.0	23.0	8.3	8.3	31.2	31.2	114.1	114.1	8.2	2.4	5	85	85	<0.2	0.8								
						3.3	0.2	170	22.6	22.6	8.3	8.3	31.8	31.8	107.2	107.2	7.7	2.3	4	90	90	<0.2	0.7								
IM1	Cloudy	Moderate	12:24	4.6	Surface	3.3	0.2	179	22.6	22.6	8.3	8.3	31.8	31.8	107.1	107.1	7.7	2.3	5	90	90	<0.2	0.6								
						3.3	0.2	179	22.6	22.6	8.3	8.3	31.8	31.8	107.1	107.1	7.7	2.3	5	90	90	<0.2	0.7								
						5.5	0.1	192	22.6	22.6	8.3	8.3	31.9	31.9	104.5	104.5	7.5	3.4	4	91	91	<0.2	0.8								
					Middle	5.5	0.1	198	22.6	22.6	8.3	8.3	31.9	31.9	104.4	104.4	7.5	3.6	4	91	91	<0.2	0.7								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	1.0	0.3	129	22.6	22.6	8.3	8.3	31.5	31.5	103.2	103.1	7.4	1.5	3	87	87	<0.2	0.7								
						1.0	0.3	135	22.6	22.6	8.3	8.3	31.5	31.5	103.0	103.0	7.4	1.5	3	89	89	<0.2	0.7								
						3.3	0.3	123	22.6	22.6	8.3	8.3	31.7	31.7	105.0	105.0	7.6	2.1	3	90	90	<0.2	0.8								
IM2	Cloudy	Moderate	12:32	6.5	Surface	3.3	0.3	131	22.6	22.6	8.3	8.3	31.7	31.7	104.9	104.9	7.6	2.1	3	91	91	<0.2	0.6								
						3.3	0.3	131	22.6	22.6	8.3	8.3	31.7	31.7	104.9	104.9	7.6	2.1	3	91	91	<0.2	0.8								
						5.6	0.1	148	22.6	22.6	8.3	8.3	32.0	32.0	99.8	99.8	7.2	3.1	4	92	92	<0.2	0.7								
					Middle	5.6	0.1	154	22.6	22.6	8.3	8.3	32.0	32.0	99.7	99.7	7.2	3.1	3	87	87	<0.2	0.7								
						1.0	0.5	190	22.8	22.8	8.3	8.3	31.1	31.1	105.7	105.7	7.6	1.8	3	88	88	<0.2	0.8								
						1.0	0.5	207	22.8	22.8	8.3	8.3	31.1	31.1	105.7	105.7	7.6	1.9	3	90	90	<0.2	0.9								
					Bottom	3.9	0.4	182	22.7	22.7	8.3	8.3	31.4	31.4	105.1	105.1	7.6	2.0	3	91	91	<0.2	0.7								
						3.9	0.4	194	22.7	22.7	8.3	8.3	31.4	31.4	105.0	105.0	7.6	2.0	3	91	91	<0.2	0.8								
						6.8	0.3	164	22.6	22.6	8.3	8.3	31.7	31.7	102.4	102.4	7.4	2.9	3	92	92	<0.2	0.8								
IM3	Cloudy	Moderate	12:40	6.6	Surface	6.8	0.3	178	22.7	22.7	8.3	8.3	31.7	31.7	102.3	102.3	7.4	2.9	3	86	86	<0.2	0.8								
						1.0	0.5	215	22.9	22.9	8.3	8.3	31.1	31.1	111.0	111.0	8.0	1.9	3	86	86	<0.2	0.8								
						1.0	0.5	231	22.9	22.9	8.3	8.3	31.1	31.1	111.0	111.0	8.0	1.9	3	86	86	<0.2	0.8								
					Middle	3.6	0.5	204	22.7	22.7	8.3	8.3	31.9	31.9	108.6	108.6	7.8	2.8	3	90	90	<0.2	0.7								
						3.6	0.5	222	22.7	22.7	8.3	8.3	31.9	31.9	108.6	108.6	7.8	2.7	4	91	91	<0.2	0.7								
						6.2	0.4	205	22.7	22.7	8.3	8.3	31.9	31.9	104.7	104.7	7.5	3.2	2	91	91	<0.2	0.7								
					Bottom	6.2	0.4	213	22.7	22.7	8.3	8.3	31.9	31.9	104.7	104.7	7.5	3.0	3	87	87	<0.2	0.7								
						1.0	0.3	232	22.8	22.8	8.3	8.3	30.8	30.8	105.4	105.4	7.6	2.3	4	86	86	<0.2	0.8								
						1.0	0.4	235	22.8	22.8	8.3	8.3	30.8	30.8	105.4	105.4	7.6	2.3	3	89	89	<0.2	0.8								
IM4	Cloudy	Moderate	12:52	7.8	Surface	3.5	0.3	215	22.7	22.7	8.3	8.3	31.8	31.8	104.1	104.1	7.5	2.7	4	89	89	<0.2	0.9								
						3.5	0.3	216	22.7	22.7	8.3	8.3	31.8	31.8	104.0	104.0	7.5	2.7	5	89	89	<0.2	0.8								
						6.0	0.2	217	22.7	22.7	8.3	8.3	31.9	31.9	102.5	102.5	7.4	4.1	4	91	91	<0.2	0.8								
					Middle	6.0	0.2	219	22.7	22.7	8.3	8.3	31.9	31.9	102.4	102.4	7.3	4.4	4	91	91	<0.2	0.7								
						1.0	0.2	244	22.7	22.7	8.3	8.3	30.6	30.5	100.4	100.4	7.3	2.2	4	88	88	<0.2	0.9								
						1.0	0.2	246	22.7	22.7	8.3	8.3	30.5	30.5	100.4	100.4	7.3	2.2	5	88	88	<0.2	1.0								
					Bottom	4.0	0.1	198	22.6	22.6	8.3	8.3	31.6	31.6	100.3	100.3	7.2	3.6	4	89	89	<0.2	1.0								
						4.0	0.1	205	22.6	22.6	8.3	8.3	31.6	31.6	100.2	100.2	7.2	3.6	4	90	90	<0.2	0.9								
						7.0	0.1	219	22.6	22.6	8.3	8.3	31.8	31.8	99.4	99.4	7.1	3.3	3	91	91	<0.2	1.0								
IM5	Cloudy	Moderate	13:01	7.2	Surface	7.0	0.1	234	22.6	22.6	8.3	8.3	31.8	31.8	99.3	99.3	7.1	3.3	4	92	92	<0.2	1.0								
						1.0	0.1	209	22.5	22.5	8.1	8.1	31.8	31.8	104.5	104.5	7.5	8.6	5	87	87	<0.2	1.1								
						1.0	0.1	217	22.5	22.5	8.1	8.1	31.9	31.8	104.4	104.4	7.5	8.7	6	87	87	<0.2	0.9								
					Middle	4.2	0.1	190	22.4	22.4	8.1	8.1	32.1	32.1	104.2	104.2	7.5	8.7	3	92	92	<0.2	1.1								
						4.2	0.1	198	22.4	22.4	8.1	8.1	32.1	32.1	104.2	104.2	7.5	8.8	4	91	91	<0.2	0.9								
						7.4	0.0	308	22.4	22.4	8.1	8.1	32.2	32.2	104.5	104.5	7.5	7.6	3	93	93	<0.2	1.0								
					Bottom	7.4	0.0	308	22																						

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

Water Quality Monitoring Results on 27 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Moderate	13:11	7.2	Surface	1.0	0.4	123	22.5	22.5	8.1	8.1	31.6	31.6	104.9	104.8	7.6	7.6	5.0	4	87	87	87	87	822074	808804	<0.2	1.0	<0.2	1.0							
						1.0	0.4	127	22.5	8.1	8.1	31.7	31.7	104.7	104.7	7.6	7.6	5.0	3	87	87	<0.2	1.0	<0.2			1.0										
						3.6	0.2	109	22.4	8.1	8.1	32.2	32.3	104.1	104.2	7.5	7.5	5.7	4	88	88	<0.2	1.0	<0.2			1.0										
					Middle	3.6	0.2	111	22.4	8.1	8.1	32.3	32.3	104.2	104.2	7.5	7.5	5.7	3	87	87	3	85	85			86	<0.2	0.9	<0.2	0.9						
						6.2	0.2	27	22.4	8.1	8.1	32.3	32.3	104.3	104.3	7.5	7.5	5.9	3	85	85	3	86	86			86	<0.2	0.9	<0.2	0.9						
						6.2	0.2	27	22.4	8.1	8.1	32.3	32.3	104.3	104.3	7.5	7.5	6.4	2	86	86	2	86	86			86	<0.2	0.9	<0.2	0.9						
					IM10	Cloudy	Moderate	13:00	7.2	Surface	1.0	0.7	126	22.8	22.8	8.1	8.1	30.7	30.8	109.6	109.5	7.9	7.9	4.1			5	86	86	86	86	822383	809813	<0.2	1.1	<0.2	1.0
											1.0	0.7	134	22.8	8.1	8.1	30.8	30.8	109.4	109.4	7.9	7.9	4.1	4			88	88	<0.2	1.0	<0.2			1.0			
											3.6	0.6	124	22.5	8.1	8.1	31.7	31.7	106.8	106.8	7.7	7.7	5.3	3			90	90	<0.2	1.0	<0.2			1.0			
Middle	3.6	0.6	124	22.5						8.1	8.1	31.7	31.7	106.8	106.8	7.7	7.7	5.4	4	90	90	3	86	86	86	<0.2	0.9	<0.2	0.9								
	6.2	0.4	92	22.4						8.1	8.1	32.0	32.0	102.9	102.9	7.4	7.4	7.4	3	85	85	3	85	85	85	<0.2	1.0	<0.2	1.0								
	6.2	0.4	93	22.4						8.1	8.1	32.0	32.0	102.9	102.9	7.4	7.4	7.5	3	86	86	3	86	86	86	<0.2	1.0	<0.2	1.0								
IM11	Cloudy	Moderate	12:45	8.2						Surface	1.0	0.6	123	22.4	22.4	8.1	8.1	32.0	32.0	102.2	102.2	7.4	7.4	7.0	3	85	85	85	85	822033	811469			<0.2	1.0	<0.2	1.0
											1.0	0.6	126	22.4	8.1	8.1	32.0	32.0	102.1	102.1	7.4	7.4	7.2	3	85	85	<0.2	1.0	<0.2					1.0			
											4.1	0.5	128	22.4	8.1	8.1	32.1	32.1	101.8	101.8	7.3	7.3	8.3	3	87	87	<0.2	1.0	<0.2					1.0			
					Middle	4.1	0.5	136	22.4	8.1	8.1	32.1	32.1	101.7	101.7	7.3	7.3	8.5	3	86	86	3	87	87	87	<0.2	1.1	<0.2	1.1								
						7.2	0.3	81	22.4	8.1	8.1	32.1	32.1	101.7	101.7	7.3	7.3	8.8	3	88	88	3	88	88	88	<0.2	1.1	<0.2	1.1								
						7.2	0.3	83	22.4	8.1	8.1	32.1	32.1	101.7	101.7	7.3	7.3	8.5	4	87	87	4	87	87	87	<0.2	1.0	<0.2	1.0								
					IM12	Cloudy	Moderate	12:35	8.8	Surface	1.0	0.5	138	22.4	22.4	8.1	8.1	31.7	31.7	103.2	103.2	7.5	7.5	4.8	5	85	85	85	85			821477	812055	<0.2	1.1	<0.2	1.0
											1.0	0.6	139	22.4	8.1	8.1	31.7	31.7	103.1	103.1	7.4	7.4	5.1	4	86	86	<0.2	1.0	<0.2					1.0			
											4.4	0.4	134	22.4	8.1	8.1	31.9	31.9	102.8	102.8	7.4	7.4	5.6	5	86	86	<0.2	1.0	<0.2					1.0			
Middle	4.4	0.5	135	22.4						8.1	8.1	31.9	31.9	102.8	102.8	7.4	7.4	5.6	4	87	87	4	87	87	87	<0.2	1.0	<0.2	1.0								
	7.8	0.3	126	22.4						8.1	8.1	32.0	32.0	102.4	102.4	7.4	7.4	6.2	4	89	89	4	89	89	89	<0.2	1.2	<0.2	1.2								
	7.8	0.3	135	22.4						8.1	8.1	32.0	32.0	102.4	102.4	7.4	7.4	6.3	4	90	90	4	90	90	90	<0.2	1.0	<0.2	1.0								
SR1A	Cloudy	Moderate	12:04	5.1						Surface	1.0	-	-	22.4	22.4	8.1	8.1	32.4	32.4	103.3	103.2	7.4	7.4	3.5	6	-	-	-	-	819973	812658			-	-	-	-
											1.0	-	-	22.4	22.4	8.1	8.1	32.4	32.4	103.1	103.1	7.4	7.4	3.6	5	-	-	-	-					-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						4.1	-	-	22.4	22.4	8.1	8.1	32.4	32.4	102.7	102.7	7.4	7.4	3.8	5	-	-	-	-	-	-	-	-	-			-					
						4.1	-	-	22.4	22.4	8.1	8.1	32.4	32.4	102.7	102.7	7.4	7.4	3.8	5	-	-	-	-	-	-	-	-	-			-					
					SR2	Cloudy	Moderate	11:46	4.2	Surface	1.0	0.3	120	22.4	22.4	8.1	8.1	32.4	32.4	103.7	103.7	7.5	7.5	3.9	5	86	86	86	86			821477	814144	<0.2	0.7	<0.2	0.6
											1.0	0.3	127	22.4	8.1	8.1	32.4	32.4	103.7	103.7	7.5	7.5	4.0	6	-	-	-	-	-					-	-	-	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.2	0.2	121	22.4						8.1	8.1	32.4	32.4	103.6	103.6	7.5	7.5	4.5	5	87	87	5	87	87	87	<0.2	0.6	<0.2	0.6								
	3.2	0.3	122	22.4						8.1	8.1	32.4	32.4	103.6	103.6	7.5	7.5	4.6	6	88	88	6	88	88	88	<0.2	0.6	<0.2	0.6								
SR3	Cloudy	Moderate	13:25	8.8						Surface	1.0	0.2	204	22.6	22.6	8.1	8.1	30.9	30.9	109.9	109.8	8.0	7.7	4.7	5	-	-	-	-	822124	807585			-	-	-	-
											1.0	0.2	213	22.5	8.1	8.1	31.0	31.0	109.7	109.7	7.9	7.7	4.7	5	-	-	-	-	-					-			
											4.4	0.1	215	22.4	8.1	8.1	32.2	32.2	103.7	103.8	7.5	7.5	5.1	5	-	-	-	-	-					-			
					Middle	4.4	0.1	216	22.4	8.1	8.1	32.2	32.2	103.9	103.8	7.5	7.5	5.2	5	-	-	-	-	-	-	-	-	-									
						7.8	0.1	237	22.5	8.1	8.1	32.4	32.4	104.8	104.7	7.5	7.5	6.6	4	-	-	-	-	-	-	-	-										
						7.8	0.1	251	22.5	8.1	8.1	32.4	32.4	104.5	104.5	7.5	7.5	6.9	4	-	-	-	-	-	-	-	-										
					SR4A	Cloudy	Calm	11:37	7.9	Surface	1.0	0.2	64	22.7	22.7	8.3	8.3	31.6	31.5	108.0	108.1	7.8	7.7	2.2	6	-	-	-	-			817200	807817	-	-	-	-
											1.0	0.2	65	22.7	8.3	8.3	31.5	31.5	108.1	108.1	7.8	7.7	2.2	5	-	-	-	-	-					-			
											4.0	0.2	65	22.6	8.3	8.3	31.8	31.8	105.6	105.6	7.6	7.6	2.4	5	-	-	-	-	-					-			
Middle	4.0	0.2	70	22.6						8.3	8.3	31.8	31.8	105.6	105.6	7.6	7.6	2.4	5	-	-	-	-	-	-	-	-										
	6.9	0.1	79	22.6						8.3	8.3	31.9	31.9	103.1	103.1	7.4	7.4	2.4	5	-	-	-	-	-	-	-											
	6.9	0.1	86	22.6						8.3	8.3	31.9	31.9	103.0	103.1	7.4	7.4	2.3	4	-	-	-	-	-	-	-											
SR5A	Cloudy	Calm	11:17	3.1						Surface	1.0	0.0	345	22.9	22.9	8.3	8.3	31.9	31.9	102.2	102.2	7.3	7.3	3.9	6	-	-	-	-	816577	810678			-	-	-	-
											1.0	0.0	317	22.9	8.3	8.3	31.9	31.9	102.2	102.2	7.3	7.3	4.0	7	-	-	-	-	-					-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						2.1	0.1	338	22.8	8.3	8.3	31.9	31.9	101.2	101.2	7.3	7.3	5.7	6	-	-	-	-	-	-	-											
						2.1	0.1	346	22.8	8.3	8.3	31.9	31.9	101.2	101.2	7.2	7.3	5.8	6	-	-	-	-	-	-	-											
					SR6A	Cloudy	Calm	10:47																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	17:18	8.3	Surface	1.0	0.2	66	23.0	23.0	8.2	8.2	31.5	31.5	114.9	114.9	8.2	8.2	1.8	3	88	91	815603	804264	<0.2	0.8	0.7	0.6				
						1.0	0.2	71	23.0	8.2	8.2	31.5	31.5	114.8	114.8	8.2	8.2	1.8	2	88	91	815603	804264	<0.2	0.6	0.7	0.6					
					Middle	4.2	0.2	39	22.7	22.7	8.2	8.2	31.7	31.7	109.8	109.8	7.9	7.9	1.7	3	92	91	815603	804264	<0.2	0.7	0.6	0.7				
						4.2	0.2	40	22.7	22.7	8.2	8.2	31.7	31.7	109.7	109.7	7.9	7.9	1.7	3	92	91	815603	804264	<0.2	0.7	0.6	0.7				
					Bottom	7.3	0.2	30	22.7	22.7	8.2	8.2	31.9	31.9	105.9	105.9	7.6	7.6	3.4	4	93	91	815603	804264	<0.2	0.7	0.6	0.7				
						7.3	0.2	30	22.7	22.7	8.2	8.2	31.9	31.9	105.8	105.8	7.6	7.6	3.5	4	93	91	815603	804264	<0.2	0.6	0.6	0.6				
C2	Cloudy	Moderate	16:43	11.4	Surface	1.0	0.3	350	22.8	22.8	8.0	8.0	29.7	29.7	105.6	105.6	7.7	7.7	4.2	4	86	89	825702	806926	<0.2	1.1	1.2	1.2				
						1.0	0.3	351	22.7	22.7	8.0	8.0	29.8	29.8	105.2	105.2	7.6	7.6	4.3	5	86	89	825702	806926	<0.2	1.2	1.3	1.2				
					Middle	5.7	0.4	28	22.4	22.4	8.0	8.0	30.8	30.9	98.5	98.5	7.2	7.2	4.9	5	89	88	825702	806926	<0.2	1.3	1.3	1.3				
						5.7	0.4	28	22.4	22.4	8.0	8.0	30.9	30.9	98.5	98.5	7.1	7.1	5.0	5	90	88	825702	806926	<0.2	1.3	1.3	1.3				
					Bottom	10.4	0.4	346	22.4	22.4	8.0	8.0	31.2	31.2	98.3	98.3	7.1	7.1	6.2	7	92	88	825702	806926	<0.2	1.3	1.3	1.3				
						10.4	0.5	349	22.4	22.4	8.0	8.0	31.2	31.2	98.3	98.3	7.1	7.1	6.3	6	92	88	825702	806926	<0.2	1.2	1.2	1.2				
C3	Cloudy	Moderate	19:02	11.6	Surface	1.0	0.2	305	22.6	22.6	8.1	8.1	32.4	32.4	108.2	108.2	7.8	7.8	2.5	5	85	88	822113	817790	<0.2	1.3	1.3	1.3				
						1.0	0.2	315	22.6	22.6	8.1	8.1	32.4	32.4	108.0	108.0	7.8	7.8	2.5	6	86	88	822113	817790	<0.2	1.3	1.3	1.3				
					Middle	5.8	0.3	297	22.3	22.3	8.0	8.0	32.8	32.8	98.2	98.2	7.1	7.1	3.9	3	87	88	822113	817790	<0.2	1.4	1.4	1.4				
						5.8	0.3	324	22.3	22.3	8.0	8.0	32.8	32.8	98.1	98.1	7.1	7.1	4.0	3	87	88	822113	817790	<0.2	1.3	1.3	1.3				
					Bottom	10.6	0.3	325	22.3	22.3	8.1	8.1	32.9	32.9	98.8	98.8	7.1	7.1	6.8	3	91	88	822113	817790	<0.2	1.3	1.3	1.3				
						10.6	0.3	330	22.3	22.3	8.1	8.1	32.9	32.9	98.9	98.9	7.1	7.1	6.9	3	91	88	822113	817790	<0.2	1.2	1.2	1.2				
IM1	Cloudy	Moderate	16:56	4.5	Surface	1.0	0.2	4	23.3	23.3	8.2	8.2	31.6	31.6	120.6	120.6	8.6	8.6	4.2	6	87	89	817955	807114	<0.2	0.7	0.8	0.8				
						1.0	0.2	4	23.3	23.3	8.2	8.2	31.6	31.6	120.5	120.5	8.6	8.6	4.2	6	88	89	817955	807114	<0.2	0.7	0.7	0.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.5	0.1	345	23.2	23.2	8.2	8.2	31.6	31.6	117.9	117.9	8.4	8.4	5.2	6	90	89	817955	807114	<0.2	0.8	0.8	0.8				
						3.5	0.1	354	23.2	23.2	8.2	8.2	31.6	31.6	117.8	117.8	8.4	8.4	5.1	5	90	89	817955	807114	<0.2	0.8	0.8	0.8				
IM2	Cloudy	Moderate	16:49	6.3	Surface	1.0	0.1	113	22.8	22.8	8.2	8.2	31.7	31.7	110.1	110.1	7.9	7.9	1.7	4	87	90	818170	806183	<0.2	0.7	0.8	0.8				
						1.0	0.1	116	22.8	22.8	8.2	8.2	31.7	31.7	110.1	110.1	7.9	7.9	1.6	3	87	90	818170	806183	<0.2	0.7	0.7	0.7				
					Middle	3.2	0.1	144	22.7	22.7	8.2	8.2	31.8	31.8	109.6	109.6	7.9	7.9	1.4	3	91	90	818170	806183	<0.2	0.8	0.8	0.8				
						3.2	0.1	152	22.7	22.7	8.2	8.2	31.8	31.8	109.5	109.5	7.9	7.9	1.5	3	92	90	818170	806183	<0.2	0.8	0.8	0.8				
					Bottom	5.3	0.1	199	22.7	22.7	8.2	8.2	31.8	31.8	108.6	108.6	7.8	7.8	2.7	3	92	90	818170	806183	<0.2	0.8	0.8	0.8				
						5.3	0.1	203	22.7	22.7	8.2	8.2	31.8	31.8	108.5	108.5	7.8	7.8	2.7	2	92	90	818170	806183	<0.2	0.9	0.9	0.9				
IM3	Cloudy	Moderate	16:42	6.4	Surface	1.0	0.1	54	22.8	22.8	8.1	8.1	31.7	31.7	102.1	102.1	7.3	7.3	1.3	<2	89	91	818798	805617	<0.2	0.7	0.8	0.8				
						1.0	0.1	55	22.8	22.8	8.1	8.1	31.7	31.7	102.0	102.0	7.3	7.3	1.3	<2	89	91	818798	805617	<0.2	0.8	0.8	0.8				
					Middle	3.2	0.0	113	22.7	22.7	8.2	8.2	31.7	31.7	101.3	101.3	7.3	7.3	1.8	2	92	91	818798	805617	<0.2	0.9	0.9	0.9				
						3.2	0.0	116	22.7	22.7	8.2	8.2	31.7	31.7	101.2	101.2	7.3	7.3	1.8	3	92	91	818798	805617	<0.2	0.8	0.8	0.8				
					Bottom	5.4	0.0	183	22.8	22.8	8.2	8.2	31.7	31.7	100.5	100.5	7.2	7.2	2.2	3	92	91	818798	805617	<0.2	0.8	0.8	0.8				
						5.4	0.0	187	22.8	22.8	8.2	8.2	31.7	31.7	100.4	100.4	7.2	7.2	2.3	3	93	91	818798	805617	<0.2	0.8	0.8	0.8				
IM4	Cloudy	Moderate	16:32	7.6	Surface	1.0	0.1	294	23.6	23.6	8.1	8.1	29.4	29.4	110.8	110.8	7.9	7.9	1.6	3	88	91	819708	804596	<0.2	1.3	1.3	1.3				
						1.0	0.1	318	23.6	23.6	8.1	8.1	29.4	29.4	110.7	110.7	7.9	7.9	1.6	4	89	91	819708	804596	<0.2	1.3	1.3	1.3				
					Middle	3.8	0.0	120	22.8	22.8	8.2	8.2	31.2	31.2	101.8	101.8	7.3	7.3	2.6	3	91	90	819708	804596	<0.2	1.3	1.3	1.3				
						3.8	0.0	126	22.8	22.8	8.2	8.2	31.3	31.2	101.7	101.7	7.3	7.3	2.7	4	91	90	819708	804596	<0.2	1.3	1.3	1.3				
					Bottom	6.6	0.0	140	22.8	22.8	8.2	8.2	31.3	31.2	100.2	100.2	7.2	7.2	3.0	4	92	90	819708	804596	<0.2	1.3	1.3	1.3				
						6.6	0.0	147	22.9	22.9	8.2	8.2	31.2	31.2	100.1	100.1	7.2	7.2	3.0	4	92	90	819708	804596	<0.2	1.2	1.2	1.2				
IM5	Cloudy	Moderate	16:26	7.0	Surface	1.0	0.2	355	23.7	23.7	8.1	8.1	29.0	29.0	111.5	111.5	8.0	8.0	1.9	2	87	90	820746	804889	<0.2	1.2	1.2	1.2				
						1.0	0.2	327	23.7	23.7	8.1	8.1	29.0	29.0	111.4	111.4	8.0	8.0	1.9	2	87	90	820746	804889	<0.2	1.2	1.2	1.2				
					Middle	3.5	0.2	349	22.9	22.9	8.2	8.2	30.7	30.7	103.3	103.2	7.4	7.4	2.3	4	91	90	820746	804889	<0.2	1.2	1.2	1.2				
						3.5	0.2	349	22.9	22.9	8.2	8.2	30.8	30.7	103.1	103.2	7.4	7.4	2.3	4	91	90	820746	804889	<0.2	1.2	1.2	1.2				
					Bottom	6.0	0.1	12	23.0	23.0	8.2	8.2	30.9	30.9	101.4	101.3	7.3	7.3	2.0	4	92	90	820746	804889	<0.2	1.2	1.2	1.2				
						6.0	0.2	13	23.0	23.0	8.2	8.2	30.9	30.9	101.2	101.3	7.3	7.3	2.1	4	92	90	820746	804889	<0.2	1.2	1.2	1.2				
IM6	Cloudy	Moderate	16:19	6.8	Surface	1.0	0.1	322	23.0	23.0	8.1	8.1	30.5	30.5	105.9	105.9	7.6	7.6														

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

Water Quality Monitoring Results on 27 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	17:13	7.8	Surface	1.0	0.3	49	23.2	23.2	8.1	8.1	30.1	30.1	116.2	116.1	8.4	8.4	3.4	5	85	88	822076	808797	<0.2	1.2	<0.2	1.2					
						1.0	0.3	53	23.2	8.1	8.1	30.1	30.1	116.0	116.0	8.3	8.3	3.4	5	86	86	<0.2	1.2	<0.2	1.2								
						3.9	0.3	72	23.0	8.1	8.1	30.6	30.6	112.1	112.1	8.1	8.1	5.4	5	87	87	<0.2	1.2	<0.2	1.2								
					Middle	3.9	0.3	76	23.0	23.0	8.1	8.1	30.6	30.6	112.0	112.1	8.0	8.0	5.6	5	89	89	<0.2	1.2	<0.2	1.2							
						6.8	0.2	66	23.1	23.1	8.1	8.1	30.6	30.6	111.3	111.2	8.0	8.0	7.5	4	90	90	<0.2	1.2	<0.2	1.2							
						6.8	0.2	66	23.1	23.1	8.1	8.1	30.6	30.6	111.1	111.2	8.0	8.0	8.6	5	90	90	<0.2	1.2	<0.2	1.2							
					IM10	Cloudy	Moderate	17:23	7.0	Surface	1.0	0.4	336	22.9	22.9	8.1	8.1	30.8	30.8	118.6	117.7	8.5	8.5	3.8	5	85	89	822401	809797	<0.2	1.3	<0.2	1.3
											1.0	0.5	309	22.9	22.9	8.1	8.1	30.9	30.8	116.7	117.7	8.4	8.4	4.0	5	86	89	<0.2	1.3	<0.2	1.3		
											3.5	0.4	327	22.8	22.8	8.1	8.1	31.0	31.0	107.5	107.4	7.7	7.7	5.0	5	89	89	<0.2	1.4	<0.2	1.4		
Middle	3.5	0.4	328	22.8						22.8	8.1	8.1	31.0	31.0	107.3	107.4	7.7	7.7	5.2	4	90	90	<0.2	1.3	<0.2	1.3							
	6.0	0.3	323	22.8						22.8	8.1	8.1	31.0	31.0	107.0	107.1	7.7	7.7	6.1	4	91	91	<0.2	1.3	<0.2	1.3							
	6.0	0.3	355	22.8						22.8	8.1	8.1	31.0	31.0	107.1	107.1	7.7	7.7	6.5	4	91	91	<0.2	1.3	<0.2	1.3							
IM11	Cloudy	Moderate	17:35	8.3						Surface	1.0	0.3	337	22.8	22.8	8.1	8.1	31.1	31.1	106.8	106.6	7.7	7.7	3.1	5	85	89	822034	811441	<0.2	1.0	<0.2	1.1
											1.0	0.3	337	22.7	22.7	8.1	8.1	31.1	31.1	106.4	106.4	7.7	7.7	3.3	4	86	89	<0.2	1.1	<0.2	1.1		
											4.2	0.3	340	22.6	22.6	8.1	8.1	31.4	31.4	104.6	104.5	7.5	7.5	4.3	4	89	89	<0.2	1.1	<0.2	1.1		
					Middle	4.2	0.4	313	22.6	22.6	8.1	8.1	31.4	31.4	104.4	104.5	7.5	7.5	4.4	5	90	90	<0.2	1.2	<0.2	1.2							
						7.3	0.3	337	22.6	22.6	8.0	8.0	31.5	31.5	104.2	104.2	7.5	7.5	5.4	4	92	92	<0.2	1.2	<0.2	1.2							
						7.3	0.3	346	22.6	22.6	8.0	8.0	31.5	31.5	104.2	104.2	7.5	7.5	5.6	3	90	90	<0.2	1.0	<0.2	1.0							
					IM12	Cloudy	Moderate	17:43	8.7	Surface	1.0	0.4	290	22.6	22.6	8.1	8.1	31.4	31.4	109.0	108.9	7.9	7.9	3.3	3	84	88	821452	812048	<0.2	0.9	<0.2	1.0
											1.0	0.5	300	22.6	22.6	8.1	8.1	31.4	31.4	108.8	108.9	7.8	7.8	3.4	4	85	88	<0.2	1.0	<0.2	1.0		
											4.4	0.4	277	22.5	22.5	8.1	8.1	31.7	31.7	104.5	104.5	7.5	7.5	3.9	4	88	88	<0.2	1.0	<0.2	1.0		
Middle	4.4	0.5	295	22.5						22.5	8.1	8.1	31.7	31.7	104.5	104.5	7.5	7.5	3.9	4	88	88	<0.2	0.9	<0.2	0.9							
	7.7	0.3	276	22.6						22.6	8.1	8.1	31.7	31.7	105.1	105.2	7.6	7.6	3.9	5	90	90	<0.2	1.1	<0.2	1.1							
	7.7	0.4	296	22.6						22.6	8.1	8.1	31.7	31.7	105.3	105.3	7.6	7.6	3.8	5	90	90	<0.2	1.1	<0.2	1.1							
SR1A	Cloudy	Moderate	18:13	5.2						Surface	1.0	-	-	22.8	22.8	8.1	8.1	31.6	31.7	116.7	116.3	8.4	8.4	4.6	4	-	-	819982	812658	-	-	-	-
											1.0	-	-	22.8	22.8	8.1	8.1	31.7	31.7	115.9	116.3	8.3	8.3	4.7	5	-	-	-	-	-	-		
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.2	-	-	22.7	22.7	8.1	8.1	32.0	32.0	107.9	108.0	7.7	7.7	5.7	6	-	-	-	-	-	-	-	-					
						4.2	-	-	22.7	22.7	8.1	8.1	32.0	32.0	108.0	108.0	7.8	7.8	5.7	5	-	-	-	-	-	-	-	-					
					SR2	Cloudy	Moderate	18:30	4.5	Surface	1.0	0.1	57	22.7	22.7	8.1	8.1	31.7	31.7	106.4	106.4	7.6	7.6	4.7	5	88	90	821449	814164	<0.2	0.9	<0.2	0.9
											1.0	0.1	58	22.7	22.7	8.1	8.1	31.7	31.7	106.3	106.4	7.6	7.6	4.8	4	90	90	<0.2	0.9	<0.2	0.9		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.5	0.0	74	22.7						22.7	8.1	8.1	31.8	31.8	105.8	105.8	7.6	7.6	5.2	4	91	91	<0.2	0.9	<0.2	0.9							
	3.5	0.0	79	22.7						22.7	8.1	8.1	31.8	31.8	105.8	105.8	7.6	7.6	5.2	4	91	91	<0.2	0.9	<0.2	0.9							
SR3	Cloudy	Moderate	17:02	8.6						Surface	1.0	0.1	1	22.8	22.8	8.1	8.1	30.4	30.5	109.5	109.6	7.9	7.9	3.7	5	-	-	822169	807568	-	-	-	-
											1.0	0.1	1	22.7	22.7	8.1	8.1	30.5	30.5	109.6	109.6	7.9	7.9	3.7	4	-	-	-	-	-	-		
											4.3	0.1	11	22.7	22.7	8.1	8.1	30.9	30.9	110.1	110.2	8.0	8.0	3.9	5	-	-	-	-	-	-		
					Middle	4.3	0.1	12	22.7	22.7	8.1	8.1	31.0	30.9	110.2	110.2	7.9	7.9	4.0	4	-	-	-	-	-	-	-						
						7.6	0.3	62	22.7	22.7	8.1	8.1	31.3	31.2	109.0	108.9	7.9	7.9	4.3	5	-	-	-	-	-	-							
						7.6	0.3	65	22.7	22.7	8.1	8.1	31.2	31.2	108.8	108.9	7.8	7.8	4.2	5	-	-	-	-	-	-							
					SR4A	Cloudy	Calm	17:39	9.2	Surface	1.0	0.2	246	23.1	23.1	8.2	8.2	31.6	31.6	113.9	113.8	8.1	8.1	1.9	4	-	-	817168	807811	-	-	-	-
											1.0	0.2	269	23.1	23.1	8.2	8.2	31.6	31.6	113.7	113.8	8.1	8.1	1.9	4	-	-	-	-	-	-		
											4.6	0.4	245	23.1	23.1	8.2	8.2	31.7	31.7	110.1	110.1	7.9	7.9	1.7	3	-	-	-	-	-	-		
Middle	4.6	0.4	256	23.1						23.1	8.2	8.2	31.7	31.7	110.1	110.1	7.9	7.9	1.7	4	-	-	-	-	-	-	-						
	8.2	0.3	249	23.2						23.2	8.2	8.2	31.7	31.7	105.8	105.7	7.5	7.5	2.1	3	-	-	-	-	-	-							
	8.2	0.3	270	23.2						23.2	8.2	8.2	31.7	31.7	105.6	105.7	7.5	7.5	2.1	4	-	-	-	-	-	-							
SR5A	Cloudy	Calm	17:58	3.8						Surface	1.0	0.3	286	23.2	23.2	8.1	8.1	31.9	31.9	106.8	106.8	7.6	7.6	2.2	4	-	-	816613	810698	-	-	-	-
											1.0	0.3	294	23.2	23.2	8.1	8.1	31.9	31.9	106.7	106.7	7.6	7.6	2.2	5	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.8	0.2	291	23.3	23.3	8.1	8.1	31.8	31.8	102.2	102.1	7.3	7.3	3.2	4	-	-	-	-	-	-							
						2.8	0.3	305	23.3	23.3	8.1	8.1	31.8	31.8	102.0	102.1	7.3	7.3	3.2	4	-	-	-	-	-	-							
					SR6A	Cloudy	Calm	18:30	4.3	Surface	1.0	0.1	285	23.0	23.0	8.1	8.1	31.4	31.4	106.5	106.5	7.6	7.6	4.9	4	-	-	817946	814754	-	-	-	-
											1.0	0.1	288	23.0	23.0	8.1	8.1	31.4	31.4	106.5	106.5	7.6	7.6	4.9	4	-	-	-	-	-	-		
											-	-																					



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

Water Quality Monitoring

Water Quality Monitoring Results on 30 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	13:26	8.0	Surface	1.0	2.2	349	23.7	23.8	8.2	8.2	31.2	31.2	107.8	107.8	7.6	7.6	3.1	6	88	91	815603	804232	<0.2	1.4	<0.2	1.4					
						1.0	2.2	321	23.8	8.2	8.2	31.2	31.2	107.8	107.8	7.6	7.6	3.1	7	88	91	815603	804232	<0.2	1.4	<0.2	1.4						
						4.0	2.1	349	23.3	8.2	8.2	31.7	31.7	105.4	105.4	7.5	7.5	3.5	6	92	91	815603	804232	<0.2	1.4	<0.2	1.4						
					Middle	4.0	2.2	321	23.3	8.2	8.2	31.7	31.7	105.3	105.3	7.5	7.5	3.6	5	92	91	815603	804232	<0.2	1.3	<0.2	1.3						
						7.0	2.1	352	23.2	8.2	8.2	32.0	31.9	102.4	102.4	7.3	7.3	4.6	5	93	91	815603	804232	<0.2	1.3	<0.2	1.3						
						7.0	2.1	324	23.2	8.2	8.2	31.9	31.9	102.3	102.3	7.3	7.3	4.6	6	93	91	815603	804232	<0.2	1.3	<0.2	1.3						
					C2	Cloudy	Moderate	12:25	12.4	Surface	1.0	0.6	352	23.7	23.7	8.0	8.0	30.1	30.2	105.7	105.6	7.5	7.5	5.1	7	87	90	825693	806944	<0.2	1.1	<0.2	1.1
											1.0	0.6	324	23.7	8.0	8.0	30.3	30.2	105.4	105.4	7.5	7.5	5.7	8	88	90	825693	806944	<0.2	1.2	<0.2	1.2	
											6.2	0.5	5	23.5	23.5	8.0	8.0	30.9	30.9	104.1	104.1	7.4	7.4	9.1	7	90	90	825693	806944	<0.2	1.1	<0.2	1.1
Middle	6.2	0.6	5	23.5						23.5	8.0	8.0	30.9	30.9	104.1	104.1	7.4	7.4	9.4	8	91	90	825693	806944	<0.2	1.1	<0.2	1.1					
	11.4	0.4	13	23.5						23.5	8.0	8.0	31.0	31.0	104.0	104.0	7.4	7.4	10.4	6	93	90	825693	806944	<0.2	1.1	<0.2	1.1					
	11.4	0.4	14	23.5						23.5	8.0	8.0	31.0	31.0	104.0	104.0	7.4	7.4	10.1	7	93	90	825693	806944	<0.2	1.2	<0.2	1.2					
C3	Cloudy	Moderate	15:11	12.4						Surface	1.0	0.5	104	23.5	23.5	8.0	8.0	31.0	31.0	103.6	103.5	7.4	7.4	4.8	14	86	89	822110	817826	<0.2	0.9	<0.2	0.9
											1.0	0.5	113	23.5	23.5	8.0	8.0	30.3	31.0	103.4	103.4	7.4	7.4	4.8	16	87	89	822110	817826	<0.2	0.9	<0.2	0.9
											6.2	0.4	97	23.5	23.5	8.0	8.0	31.0	31.0	102.1	102.1	7.3	7.3	4.2	16	88	89	822110	817826	<0.2	0.9	<0.2	0.9
					Middle	6.2	0.4	105	23.5	23.5	8.0	8.0	31.0	31.0	102.0	102.0	7.2	7.2	4.2	14	88	89	822110	817826	<0.2	0.9	<0.2	0.9					
						11.4	0.3	81	23.5	23.5	8.0	8.0	31.0	31.0	100.9	100.8	7.2	7.2	8.1	9	92	89	822110	817826	<0.2	0.9	<0.2	0.9					
						11.4	0.3	86	23.5	23.5	8.0	8.0	31.0	31.0	100.7	100.7	7.2	7.2	8.6	9	92	89	822110	817826	<0.2	0.9	<0.2	0.9					
					IM1	Fine	Moderate	13:06	5.3	Surface	1.0	0.2	180	24.1	24.1	8.2	8.2	31.0	31.0	112.8	112.8	7.9	7.9	1.8	7	87	89	817933	807150	<0.2	1.3	<0.2	1.3
											1.0	0.2	185	24.1	24.1	8.2	8.2	31.0	31.0	112.7	112.7	7.9	7.9	1.8	6	88	89	817933	807150	<0.2	1.3	<0.2	1.3
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.3	0.2	192	23.8						23.8	8.2	8.2	31.0	31.0	106.3	106.2	7.5	7.5	3.3	5	90	89	817933	807150	<0.2	1.3	<0.2	1.3					
	4.3	0.2	206	23.8						23.8	8.2	8.2	31.0	31.0	106.0	106.0	7.5	7.5	3.3	5	90	89	817933	807150	<0.2	1.3	<0.2	1.3					
IM2	Fine	Moderate	12:58	7.1						Surface	1.0	2.4	316	23.9	23.9	8.2	8.2	31.0	31.0	109.0	109.0	7.7	7.7	2.1	6	87	90	818177	806175	<0.2	1.4	<0.2	1.4
											1.0	2.4	323	23.8	23.8	8.2	8.2	31.0	31.0	108.9	108.9	7.7	7.7	2.2	6	87	90	818177	806175	<0.2	1.3	<0.2	1.3
											3.5	2.3	315	23.5	23.5	8.2	8.2	31.2	31.2	104.1	104.1	7.4	7.4	2.4	6	91	90	818177	806175	<0.2	1.2	<0.2	1.2
					Middle	3.5	2.4	343	23.5	23.5	8.2	8.2	31.2	31.2	104.1	104.1	7.4	7.4	2.4	5	91	90	818177	806175	<0.2	1.3	<0.2	1.3					
						6.1	2.4	319	23.6	23.6	8.2	8.2	31.5	31.5	103.5	103.5	7.3	7.3	4.1	5	92	90	818177	806175	<0.2	1.2	<0.2	1.2					
						6.1	2.4	330	23.6	23.6	8.2	8.2	31.5	31.5	103.5	103.5	7.3	7.3	3.9	5	92	90	818177	806175	<0.2	1.3	<0.2	1.3					
					IM3	Fine	Moderate	12:50	7.3	Surface	1.0	2.5	195	23.6	23.6	8.2	8.2	31.3	31.3	108.6	108.6	7.7	7.7	2.3	5	90	91	818771	805585	<0.2	1.4	<0.2	1.4
											1.0	2.6	208	23.6	23.6	8.2	8.2	31.3	31.3	108.5	108.5	7.7	7.7	2.3	4	89	91	818771	805585	<0.2	1.3	<0.2	1.3
											3.7	2.6	195	23.7	23.7	8.2	8.2	31.5	31.5	107.3	107.3	7.6	7.6	2.7	5	92	91	818771	805585	<0.2	1.4	<0.2	1.4
Middle	3.7	2.7	207	23.7						23.7	8.2	8.2	31.5	31.5	107.2	107.2	7.6	7.6	2.7	5	92	91	818771	805585	<0.2	1.4	<0.2	1.4					
	6.3	2.7	194	23.5						23.5	8.2	8.2	31.7	31.7	103.8	103.7	7.4	7.4	3.3	5	92	91	818771	805585	<0.2	1.3	<0.2	1.3					
	6.3	3.0	198	23.5						23.5	8.2	8.2	31.7	31.7	103.6	103.7	7.3	7.3	3.2	4	93	91	818771	805585	<0.2	1.3	<0.2	1.3					
IM4	Fine	Moderate	12:41	8.8						Surface	1.0	2.3	247	23.7	23.7	8.1	8.1	30.5	30.5	103.7	103.8	7.4	7.4	1.7	5	88	91	819729	804619	<0.2	1.3	<0.2	1.3
											1.0	2.4	255	23.7	23.7	8.1	8.1	30.5	30.5	103.9	103.8	7.4	7.4	1.7	5	89	91	819729	804619	<0.2	1.3	<0.2	1.3
											4.4	2.1	251	23.5	23.5	8.2	8.2	31.4	31.4	106.2	106.2	7.5	7.5	3.1	5	91	91	819729	804619	<0.2	1.4	<0.2	1.4
					Middle	4.4	2.3	257	23.5	23.5	8.2	8.2	31.4	31.4	106.1	106.2	7.5	7.5	3.2	5	91	91	819729	804619	<0.2	1.4	<0.2	1.4					
						7.8	2.3	255	23.3	23.3	8.2	8.2	31.6	31.6	100.8	100.8	7.2	7.2	3.8	6	92	91	819729	804619	<0.2	1.5	<0.2	1.5					
						7.8	2.3	277	23.3	23.3	8.2	8.2	31.6	31.6	100.7	100.7	7.2	7.2	4.0	6	92	91	819729	804619	<0.2	1.4	<0.2	1.4					
					IM5	Fine	Moderate	12:33	8.1	Surface	1.0	2.3	182	23.6	23.6	8.1	8.1	30.5	30.5	102.7	102.7	7.3	7.3	1.9	5	87	90	820746	804854	<0.2	1.4	<0.2	1.4
											1.0	2.4	190	23.6	23.6	8.1	8.1	30.5	30.5	102.7	102.7	7.3	7.3	2.0	6	87	90	820746	804854	<0.2	1.4	<0.2	1.4
											4.1	2.2	181	23.4	23.4	8.2	8.2	31.3	31.3	101.6	101.5	7.2	7.2	2.8	6	91	90	820746	804854	<0.2	1.4	<0.2	1.4
Middle	4.1	2.3	195	23.4						23.4	8.2	8.2	31.3	31.3	101.3	101.5	7.2	7.2	2.8	5	91	90	820746	804854	<0.2	1.4	<0.2	1.4					
	7.1	2.3	177	23.4						23.4	8.2	8.2	31.4	31.4	99.6	99.6	7.1	7.1	3.0	6	92	90	820746	804854	<0.2	1.4	<0.2	1.4					
	7.1	2.5	186	23.4						23.4	8.2	8.2	31.4	31.4	99.5	99.6	7.1	7.1	2.9	6	92	90	820746	804854	<0.2	1.5	<0.2	1.5					
IM6	Fine	Moderate	12:26	7.7						Surface	1.0	1.5	242	23.7	23.7	8.1	8.1	30.0	30.0	99.5	99.3	7.1	7.1	1.6	6								

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

Water Quality Monitoring Results on 30 March 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)	Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	12:56	7.5	Surface	1.0	0.1	117	23.6	23.6	8.0	8.0	30.5	30.6	106.3	106.3	7.6	7.6	5.4	6	87	89	822093	808807	<0.2	1.1	1.1	1.1					
						1.0	0.1	123	23.6	8.1	8.1	30.6	30.6	106.2	106.2	7.6	7.6	5.9	7	87	89	<0.2	1.1	1.1	1.1								
						3.8	0.2	69	23.5	8.1	8.1	31.0	31.1	106.2	106.2	7.6	7.6	6.7	7	89	91	<0.2	1.1	1.1	1.1								
					Middle	3.8	0.2	71	23.5	8.1	8.1	31.1	31.1	106.2	106.2	7.6	7.6	6.9	8	90	91	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
						6.5	0.2	35	23.5	8.1	8.1	31.4	31.3	105.0	105.0	7.5	7.5	10.4	9	91	91	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
						6.5	0.2	35	23.5	8.1	8.1	31.3	31.3	104.9	104.9	7.5	7.5	9.5	10	91	91	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
					IM10	Cloudy	Moderate	13:03	7.0	Surface	1.0	0.4	119	23.5	23.5	8.0	8.0	30.8	30.8	103.7	103.6	7.4	7.4	6.7	7	86	90	822373	809793	<0.2	1.1	1.1	1.1
											1.0	0.4	129	23.5	8.0	8.0	30.8	30.8	103.5	103.1	7.4	7.4	6.9	8	87	90	<0.2	1.0	1.0	1.0	1.1	1.1	1.1
											3.5	0.4	100	23.5	8.0	8.0	30.8	30.8	103.1	103.1	7.3	7.3	7.8	7	90	91	<0.2	1.0	1.0	1.0	1.1	1.1	1.1
Middle	3.5	0.4	108	23.5						8.0	8.0	30.8	30.8	103.1	103.1	7.3	7.3	8.2	8	91	91	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
	6.0	0.3	75	23.5						8.0	8.0	30.8	30.8	102.9	102.9	7.3	7.3	9.9	6	92	92	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
	6.0	0.3	82	23.5						8.0	8.0	30.8	30.8	102.9	102.9	7.3	7.3	9.8	5	92	92	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
IM11	Cloudy	Moderate	13:15	8.2						Surface	1.0	0.6	116	23.6	23.6	8.0	8.0	30.7	30.7	103.9	103.8	7.4	7.4	8.2	6	86	90	822050	811465	<0.2	1.0	1.0	1.0
											1.0	0.6	123	23.5	8.0	8.0	30.7	30.7	103.7	103.5	7.4	7.4	9.1	5	87	90	<0.2	1.0	1.0	1.0	1.1	1.1	1.1
											4.1	0.6	107	23.5	8.0	8.0	30.7	30.7	103.5	103.5	7.4	7.4	9.3	5	90	91	<0.2	0.9	0.9	0.9	1.0	1.0	1.0
					Middle	4.1	0.6	108	23.5	8.0	8.0	30.7	30.7	103.4	103.4	7.4	7.4	9.5	6	91	91	<0.2	1.0	1.0	1.0	1.1	1.1	1.1	1.1				
						7.2	0.4	111	23.5	8.0	8.0	30.7	30.7	103.3	103.3	7.4	7.4	8.7	4	93	91	<0.2	1.1	1.1	1.1	1.1	1.1	1.1					
						7.2	0.4	112	23.5	8.0	8.0	30.7	30.7	103.3	103.3	7.4	7.4	8.0	4	91	91	<0.2	1.1	1.1	1.1	1.1	1.1	1.1					
					IM12	Cloudy	Moderate	13:20	8.6	Surface	1.0	0.8	121	23.8	23.8	8.0	8.0	30.3	30.3	106.4	106.3	7.6	7.6	8.3	6	85	86	821453	812053	<0.2	1.1	1.0	1.0
											1.0	0.8	125	23.8	8.0	8.0	30.4	30.4	106.2	106.4	7.6	7.6	8.3	5	86	87	<0.2	1.0	1.0	1.0	1.0	1.0	1.0
											4.3	0.7	121	23.6	8.0	8.0	30.4	30.4	104.6	104.6	7.5	7.5	8.9	5	87	90	<0.2	0.9	0.9	0.9	1.0	1.0	1.0
Middle	4.3	0.8	121	23.6						8.0	8.0	30.5	30.4	104.5	104.5	7.4	7.4	8.8	5	90	91	<0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
	7.6	0.6	113	23.6						8.0	8.0	30.5	30.5	104.5	104.6	7.4	7.4	9.1	5	91	91	<0.2	1.0	1.0	1.0	1.0	1.0	1.0					
	7.6	0.6	115	23.6						8.0	8.0	30.4	30.5	104.6	104.6	7.5	7.5	9.3	5	91	91	<0.2	1.0	1.0	1.0	1.0	1.0	1.0					
SR1A	Cloudy	Moderate	14:34	5.3						Surface	1.0	-	-	23.8	23.8	8.1	8.1	30.8	30.8	105.8	105.7	7.5	7.5	4.1	7	-	-	819982	812659	-	-	-	-
											1.0	-	-	23.8	23.8	8.1	8.1	30.8	30.8	105.6	105.7	7.5	7.5	4.0	7	-	-	-	-	-	-	-	-
											2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.3	-	-	24.0	24.1	8.1	8.1	30.7	30.6	105.1	105.0	7.4	7.4	3.9	6	-	-	-	-	-	-	-	-	-	-			
						4.3	-	-	24.1	24.1	8.1	8.1	30.6	30.6	104.9	104.9	7.4	7.4	3.8	7	-	-	-	-	-	-	-	-	-	-			
					SR2	Cloudy	Moderate	14:46	4.4	Surface	1.0	0.5	73	23.7	23.7	8.1	8.1	30.7	30.7	106.0	106.0	7.5	7.5	7.1	15	90	91	821450	814177	<0.2	1.0	0.9	1.0
											1.0	0.5	73	23.7	23.7	8.1	8.1	30.7	30.7	106.0	106.0	7.5	7.5	7.3	15	91	91	<0.2	0.9	0.9	0.9	1.0	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3.4	0.4	68	23.7						23.7	8.1	8.1	30.7	30.7	105.5	105.5	7.5	7.5	9.4	12	92	92	<0.2	0.9	0.9	0.9	1.0	1.0					
	3.4	0.4	73	23.7						23.7	8.1	8.1	30.7	30.7	105.4	105.4	7.5	7.5	9.7	11	92	92	<0.2	1.0	1.0	1.0	1.0	1.0					
SR3	Cloudy	Moderate	12:45	8.5						Surface	1.0	0.4	158	23.6	23.6	8.0	8.0	30.6	30.6	105.5	105.5	7.5	7.5	4.4	8	-	-	822139	807559	-	-	-	-
											1.0	0.4	169	23.6	23.6	8.0	8.0	30.6	30.6	105.5	105.5	7.5	7.5	5.0	8	-	-	-	-	-	-	-	-
											4.3	0.4	160	23.6	23.6	8.0	8.0	31.0	31.0	107.1	107.2	7.6	7.6	6.2	7	-	-	-	-	-	-	-	-
					Middle	4.3	0.4	173	23.6	23.6	8.0	8.0	31.0	31.0	107.3	107.2	7.6	7.6	6.4	8	-	-	-	-	-	-	-	-	-				
						7.5	0.4	157	23.6	23.6	8.0	8.0	31.4	31.4	107.6	107.5	7.6	7.6	7.3	7	-	-	-	-	-	-	-	-					
						7.5	0.4	162	23.6	23.6	8.0	8.0	31.4	31.4	107.3	107.5	7.6	7.6	7.4	6	-	-	-	-	-	-	-	-					
					SR4A	Fine	Moderate	13:50	9.6	Surface	1.0	2.2	125	24.2	24.2	8.2	8.2	31.0	31.0	108.0	108.0	7.6	7.6	2.1	6	-	-	817195	807825	-	-	-	-
											1.0	2.4	127	24.2	24.2	8.2	8.2	31.0	31.0	108.0	108.0	7.6	7.6	2.1	7	-	-	-	-	-	-	-	
											4.8	2.4	126	23.8	23.8	8.2	8.2	31.0	31.0	103.3	103.2	7.3	7.3	2.3	6	-	-	-	-	-	-		
Middle	4.8	2.5	136	23.8						23.8	8.2	8.2	31.0	31.0	103.1	103.2	7.3	7.3	2.2	6	-	-	-	-	-	-	-	-					
	8.6	2.7	129	23.7						23.7	8.2	8.2	31.0	31.0	101.1	101.1	7.2	7.2	2.7	6	-	-	-	-	-	-	-						
	8.6	2.7	129	23.7						23.7	8.2	8.2	31.0	31.0	101.0	101.1	7.2	7.2	2.7	6	-	-	-	-	-	-	-						
SR5A	Fine	Moderate	14:07	4.0						Surface	1.0	0.1	320	24.4	24.4	8.2	8.2	30.8	30.8	105.5	105.5	7.4	7.4	1.4	6	-	-	816608	810715	-	-	-	-
											1.0	0.1	328	24.4	24.4	8.2	8.2	30.8	30.8	105.5	105.5	7.4	7.4	1.5	6	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.0	0.1	335	24.1	24.1	8.2	8.2	30.9	30.9	103.7	103.6	7.3	7.3	2.9	4	-	-	-	-	-	-							
						3.0	0.1	353	24.1	24.1	8.2	8.2	30.9	30.9	103.5	103																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 March 21 during Mid-Flood Tide

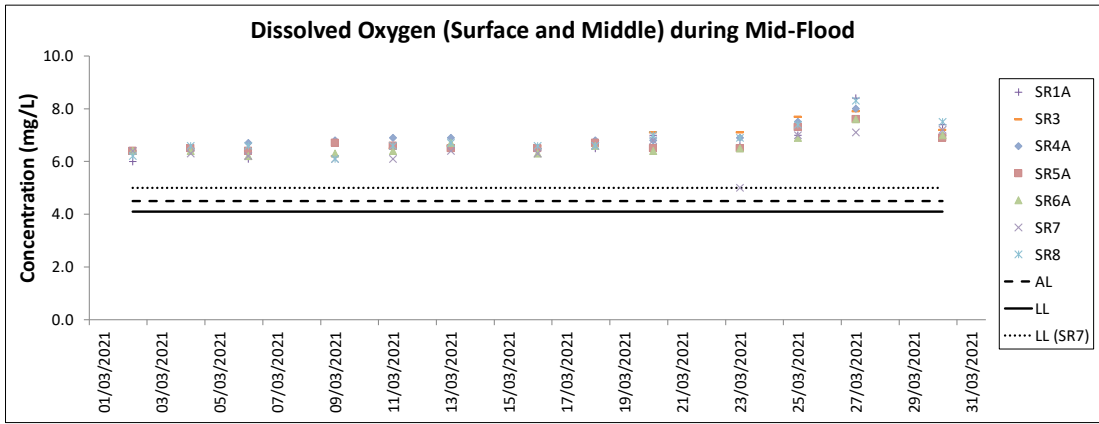
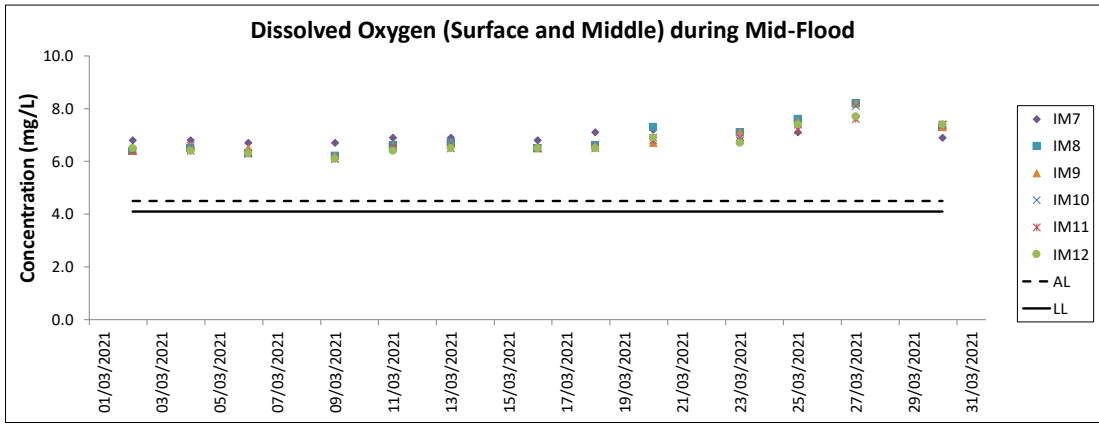
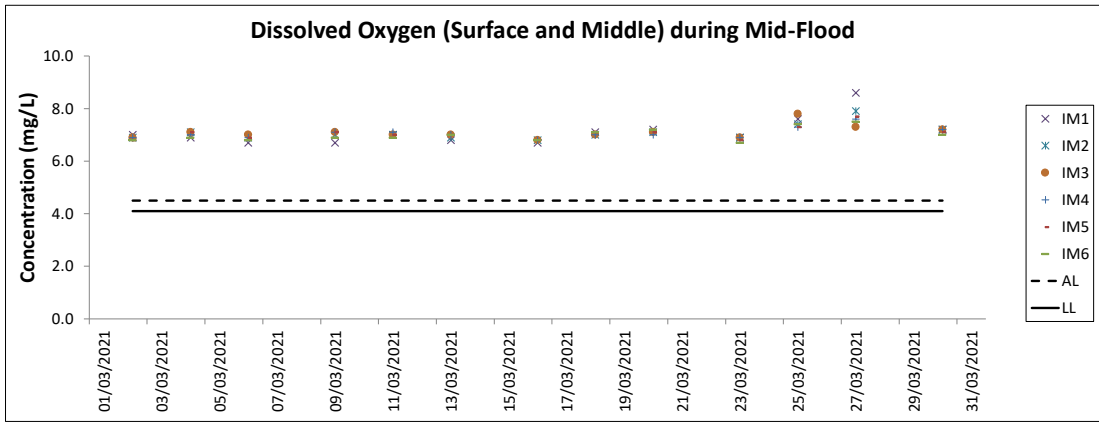
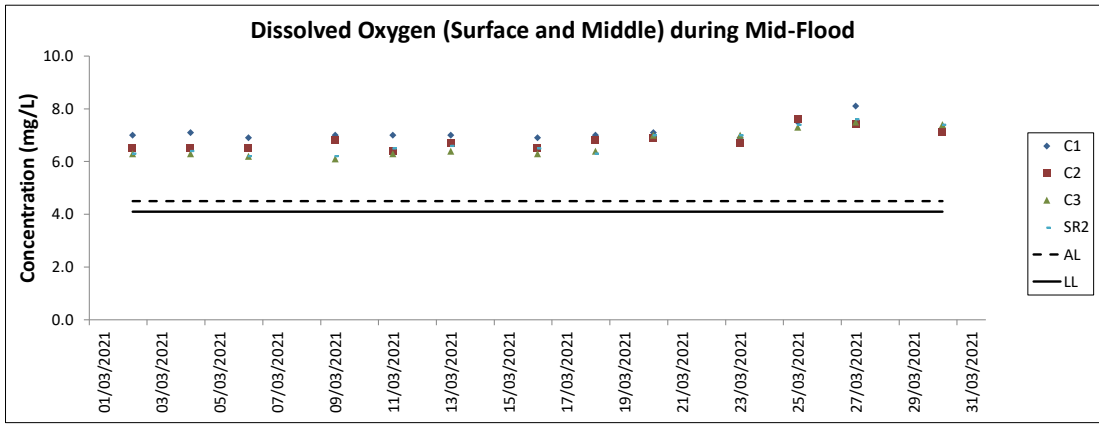
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	08:18	8.3	Surface	1.0	2.4	107	23.3	23.3	8.1	8.1	31.0	30.9	100.8	100.8	7.2	7.2	6.0	9	86	86	88	88	815596	804261	<0.2	0.9	<0.2	0.7				
						1.0	2.6	117	23.3	8.1	8.1	31.0	30.9	100.8	100.8	7.2	7.2	6.1	9	86	86	88	88	815596	804261	<0.2	0.8	<0.2	0.8					
						4.1	2.4	107	23.2	23.2	8.1	8.1	31.2	31.2	100.4	100.4	7.2	7.2	6.6	9	89	89	89	89	815596	804261	<0.2	0.8	<0.2	0.8				
					Middle	4.1	2.5	113	23.2	23.2	8.1	8.1	31.2	31.2	100.4	100.4	7.2	7.2	6.5	9	89	89	89	89	815596	804261	<0.2	0.8	<0.2	0.8				
						7.3	2.4	102	23.2	23.2	8.1	8.1	31.4	31.4	100.0	100.0	7.1	7.1	7.2	12	90	90	90	90	815596	804261	<0.2	0.8	<0.2	0.8				
						7.3	2.6	109	23.2	23.2	8.1	8.1	31.4	31.4	100.0	100.0	7.1	7.1	7.1	14	89	89	89	89	815596	804261	<0.2	0.9	<0.2	0.9				
					C2	Cloudy	Moderate	09:11	12.4	Surface	1.0	0.2	44	23.4	23.4	7.9	7.9	29.1	29.1	99.2	99.1	7.1	5.5	6	87	87	87	87	825662	806941	<0.2	1.3	<0.2	1.3
											1.0	0.2	47	23.4	23.4	7.9	7.9	29.1	29.1	99.0	99.0	7.1	5.6	5	88	88	88	88	825662	806941	<0.2	1.2	<0.2	1.2
											6.2	0.2	59	23.4	23.4	7.9	7.9	29.5	29.5	98.8	98.8	7.1	6.2	7	90	90	90	90	825662	806941	<0.2	1.3	<0.2	1.3
Middle	6.2	0.2	63	23.4						23.4	7.9	7.9	29.5	29.5	98.8	98.8	7.1	6.5	7	91	91	91	91	825662	806941	<0.2	1.2	<0.2	1.2					
	11.4	0.2	48	23.4						23.4	7.9	7.9	29.6	29.6	98.8	98.8	7.1	8.9	8	93	93	93	93	825662	806941	<0.2	1.4	<0.2	1.4					
	11.4	0.2	50	23.4						23.4	7.9	7.9	29.6	29.6	98.7	98.7	7.1	9.9	7	93	93	93	93	825662	806941	<0.2	1.4	<0.2	1.4					
C3	Cloudy	Moderate	07:04	12.0						Surface	1.0	0.2	90	23.3	23.3	8.0	8.0	30.9	30.9	103.1	103.1	7.4	4.5	8	85	85	85	85	822107	817807	<0.2	1.3	<0.2	1.3
											1.0	0.2	93	23.3	23.3	8.0	8.0	30.9	30.9	103.0	103.0	7.4	4.9	8	85	85	85	85	822107	817807	<0.2	1.2	<0.2	1.2
											6.0	0.2	115	23.3	23.3	8.0	8.0	30.9	30.9	102.5	102.5	7.3	7.7	6	88	88	88	88	822107	817807	<0.2	1.0	<0.2	1.0
					Middle	6.0	0.2	125	23.3	23.3	8.0	8.0	30.9	30.9	102.5	102.5	7.3	7.9	6	87	87	87	87	822107	817807	<0.2	1.1	<0.2	1.1					
						11.0	0.3	145	23.3	23.3	8.0	8.0	31.0	31.0	102.2	102.2	7.3	13.0	7	89	89	89	89	822107	817807	<0.2	1.1	<0.2	1.1					
						11.0	0.3	153	23.3	23.3	8.0	8.0	31.0	31.0	102.2	102.2	7.3	11.8	6	90	90	90	90	822107	817807	<0.2	1.1	<0.2	1.1					
					IM1	Cloudy	Moderate	08:36	5.4	Surface	1.0	0.2	344	23.6	23.6	8.1	8.1	31.0	31.0	101.9	101.9	7.2	1.5	12	85	85	85	85	817937	807141	<0.2	1.0	<0.2	1.0
											1.0	0.2	316	23.6	23.6	8.1	8.1	31.0	31.0	101.8	101.8	7.2	1.5	7	85	85	85	85	817937	807141	<0.2	1.0	<0.2	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.4	0.1	334	23.6						23.6	8.1	8.1	31.0	31.0	99.8	99.8	7.1	2.1	4	90	90	90	90	817937	807141	<0.2	0.9	<0.2	0.9					
	4.4	0.1	351	23.6						23.6	8.1	8.1	31.0	31.0	99.7	99.7	7.1	2.1	5	89	89	89	89	817937	807141	<0.2	0.8	<0.2	0.8					
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Cloudy	Moderate	08:44	7.2						Surface	1.0	1.2	147	23.4	23.4	8.1	8.1	30.8	30.8	100.4	100.4	7.2	5.5	4	86	86	86	86	818153	806173	<0.2	0.8	<0.2	0.8
											1.0	1.2	148	23.4	23.4	8.1	8.1	30.8	30.8	100.4	100.4	7.2	5.6	4	85	85	85	85	818153	806173	<0.2	0.8	<0.2	0.8
											3.6	1.1	155	23.4	23.4	8.1	8.1	30.8	30.8	99.9	99.9	7.1	6.4	5	90	90	90	90	818153	806173	<0.2	0.9	<0.2	0.9
					Middle	3.6	1.1	166	23.4	23.4	8.1	8.1	30.8	30.8	99.9	99.9	7.1	6.8	6	90	90	90	90	818153	806173	<0.2	0.9	<0.2	0.9					
						6.2	1.1	158	23.4	23.4	8.1	8.1	30.8	30.8	99.4	99.4	7.1	7.3	8	91	91	91	91	818153	806173	<0.2	0.8	<0.2	0.8					
						6.2	1.1	165	23.4	23.4	8.1	8.1	30.8	30.8	99.3	99.3	7.1	7.3	8	91	91	91	91	818153	806173	<0.2	0.8	<0.2	0.8					
					IM3	Cloudy	Moderate	08:50	7.5	Surface	1.0	2.6	304	23.4	23.4	8.1	8.1	30.7	30.7	100.5	100.5	7.2	5.8	4	87	87	87	87	818805	805613	<0.2	0.8	<0.2	0.8
											1.0	2.8	329	23.4	23.4	8.1	8.1	30.7	30.7	100.5	100.5	7.2	5.8	5	90	90	90	90	818805	805613	<0.2	0.8	<0.2	0.8
											3.7	2.5	303	23.4	23.4	8.1	8.1	30.7	30.7	99.5	99.5	7.1	6.4	5	90	90	90	90	818805	805613	<0.2	0.8	<0.2	0.8
Middle	3.7	2.7	333	23.4						23.4	8.1	8.1	30.7	30.7	99.4	99.4	7.1	6.3	5	91	91	91	91	818805	805613	<0.2	0.8	<0.2	0.8					
	6.5	2.7	303	23.4						23.4	8.1	8.1	30.7	30.7	98.6	98.6	7.0	7.5	5	92	92	92	92	818805	805613	<0.2	0.8	<0.2	0.8					
	6.5	2.8	313	23.4						23.4	8.1	8.1	30.7	30.7	98.5	98.5	7.0	7.5	6	87	87	87	87	818805	805613	<0.2	0.9	<0.2	0.9					
IM4	Cloudy	Moderate	09:00	8.8						Surface	1.0	1.5	76	23.4	23.4	8.1	8.1	30.5	30.5	100.6	100.6	7.2	6.8	6	88	88	88	88	819709	804627	<0.2	0.9	<0.2	0.9
											1.0	1.5	78	23.4	23.4	8.1	8.1	30.5	30.5	100.6	100.6	7.2	6.8	6	90	90	90	90	819709	804627	<0.2	0.8	<0.2	0.8
											4.4	1.6	82	23.4	23.4	8.1	8.1	30.5	30.5	100.2	100.2	7.2	7.5	7	91	91	91	91	819709	804627	<0.2	0.9	<0.2	0.9
					Middle	4.4	1.6	87	23.4	23.4	8.1	8.1	30.5	30.5	100.2	100.2	7.2	7.6	8	91	91	91	91	819709	804627	<0.2	0.8	<0.2	0.8					
						7.8	1.6	79	23.4	23.4	8.1	8.1	30.5	30.5	99.4	99.4	7.1	8.9	8	92	92	92	92	819709	804627	<0.2	1.0	<0.2	1.0					
						7.8	1.6	85	23.4	23.4	8.1	8.1	30.5	30.5	99.3	99.3	7.1	8.9	7	91	91	91	91	819709	804627	<0.2	0.9	<0.2	0.9					
					IM5	Cloudy	Moderate	09:06	8.0	Surface	1.0	2.6	302	23.4	23.4	8.1	8.1	30.5	30.5	99.7	99.7	7.1	5.3	6	86	86	86	86	820741	804853	<0.2	0.7	<0.2	0.7
											1.0	2.6	304	23.4	23.4	8.1	8.1	30.5	30.5	99.7	99.7	7.1	5.3	5	86	86	86	86	820741	804853	<0.2	0.9	<0.2	0.9
											4.0	2.4	302	23.4	23.4	8.1	8.1	30.5	30.5	99.3	99.3	7.1	6.6	6	91	91	91	91	820741	804853	<0.2	0.8	<0.2	0.8
Middle	4.0	2.6	327	23.4						23.4	8.1	8.1	30.5	30.5	99.3	99.3	7.1	6.5	6	91	91	91	91	820741	804853	<0.2	0.8	<0.2	0.8					
	7.0	2.5	308	23.5						23.5	8.1	8.1	30.5	30.5	98.1	98.1	7.0	8.9	6	91	91	91	91	820741	804853	<0.2	0.9	<0.2	0.9					
	7.0	2.7	337	23.5						23.5	8.1																							

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

Water Quality Monitoring Results on 30 March 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM9	Cloudy	Moderate	08:39	7.0	Surface	1.0	0.7	310	23.5	23.5	8.0	8.0	30.4	30.4	102.7	102.7	7.3	5.0	4	85	89	822105	808829	<0.2	1.0	<0.2	1.2							
						1.0	0.8	326	23.5	8.0	8.0	30.4	30.4	102.7	102.7	7.3	5.2	5	87	89	822105	808829	<0.2	1.0										
						3.5	0.7	306	23.5	8.0	8.0	30.5	30.5	102.8	102.8	7.3	5.8	5	88	89	822105	808829	<0.2	1.1										
					Middle	3.5	0.7	326	23.5	23.5	8.0	8.0	30.5	30.5	102.8	102.8	7.3	5.8	4	89	7	89	89	822105	808829			<0.2	1.0					
						6.0	0.7	301	23.5	23.5	8.0	8.0	30.6	30.6	103.4	103.5	7.4	6.1	11	92	89	89	822105	808829	<0.2			1.4						
						6.0	0.7	312	23.5	23.5	8.0	8.0	30.6	30.6	103.6	103.6	7.4	6.1	12	93	89	89	822105	808829	<0.2			1.4						
					IM10	Cloudy	Moderate	08:32	7.8	Surface	1.0	0.7	285	23.5	23.5	8.1	8.1	30.9	30.9	104.6	104.6	7.4	13.2	7	85			89	822399	809814	<0.2	1.0	<0.2	1.0
											1.0	0.7	300	23.5	23.5	8.1	8.1	30.9	30.9	104.6	104.6	7.4	12.9	6	86			89	822399	809814	<0.2	0.9		
											3.9	0.6	288	23.5	23.5	8.1	8.1	30.8	30.8	104.3	104.3	7.4	10.0	4	89			89	822399	809814	<0.2	1.0		
Middle	3.9	0.6	288	23.5						23.5	8.1	8.1	30.8	30.8	104.3	104.3	7.4	9.6	4	90	89	822399	809814	<0.2	1.0									
	6.8	0.5	295	23.5						23.5	8.1	8.1	30.9	30.9	104.2	104.2	7.4	13.7	3	92	89	822399	809814	<0.2	0.9									
	6.8	0.5	321	23.5						23.5	8.1	8.1	30.9	30.9	104.2	104.2	7.4	13.9	4	92	89	822399	809814	<0.2	1.0									
IM11	Cloudy	Moderate	08:21	8.1						Surface	1.0	0.7	268	23.4	23.4	8.0	8.0	30.5	30.5	103.8	103.8	7.4	7.0	6	86	87	822044	811456	<0.2	0.9	<0.2	1.0		
											1.0	0.7	282	23.4	23.4	8.0	8.0	30.5	30.5	103.7	103.7	7.4	7.3	5	86	87	822044	811456	<0.2	0.9				
											4.1	0.6	268	23.4	23.4	8.0	8.0	30.7	30.7	103.5	103.5	7.4	8.4	5	87	87	822044	811456	<0.2	0.9				
					Middle	4.1	0.6	284	23.4	23.4	8.0	8.0	30.7	30.7	103.4	103.4	7.4	8.7	5	87	87	822044	811456	<0.2	0.9									
						7.1	0.5	291	23.4	23.4	8.0	8.0	30.8	30.8	103.2	103.2	7.4	10.7	5	88	87	822044	811456	<0.2	1.1									
						7.1	0.5	303	23.4	23.4	8.0	8.0	30.7	30.7	103.2	103.2	7.4	10.6	5	88	87	822044	811456	<0.2	1.0									
					IM12	Cloudy	Moderate	08:15	8.8	Surface	1.0	0.3	140	23.5	23.5	8.0	8.0	30.3	30.4	104.0	104.0	7.4	4.9	6	86	88	821478	812049	<0.2	1.0			<0.2	1.1
											1.0	0.3	151	23.5	23.5	8.0	8.0	30.4	30.4	104.0	104.0	7.4	4.9	5	87	88	821478	812049	<0.2	1.0				
											4.4	0.3	134	23.4	23.4	8.0	8.0	30.6	30.6	103.9	103.9	7.4	5.2	5	87	88	821478	812049	<0.2	1.1				
Middle	4.4	0.3	143	23.4						23.4	8.0	8.0	30.6	30.6	103.9	103.9	7.4	5.3	6	88	88	821478	812049	<0.2	1.0									
	7.8	0.3	131	23.4						23.4	8.0	8.0	30.7	30.7	103.7	103.7	7.4	15.0	6	90	88	821478	812049	<0.2	1.2									
	7.8	0.3	142	23.4						23.4	8.0	8.0	30.7	30.7	103.7	103.7	7.4	14.6	6	90	88	821478	812049	<0.2	1.0									
SR1A	Cloudy	Moderate	07:43	5.2						Surface	1.0	-	-	23.5	23.6	8.0	8.0	30.8	30.8	104.3	104.3	7.4	2.6	10	-	-	819977	812657	-	-	-	-		
											1.0	-	-	23.6	23.6	8.0	8.0	30.8	30.8	104.3	104.3	7.4	2.6	11	-	-	819977	812657	-	-				
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819977	812657				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819977	812657	-	-							
						4.2	-	-	23.5	23.5	8.0	8.0	30.9	30.9	104.7	104.8	7.5	2.5	16	-	-	-	-	819977	812657	-	-							
						4.2	-	-	23.5	23.5	8.0	8.0	30.9	30.9	104.8	104.8	7.5	2.5	9	-	-	-	-	819977	812657	-	-							
					SR2	Cloudy	Moderate	07:27	4.5	Surface	1.0	0.7	273	23.5	23.5	7.9	7.9	30.2	30.2	103.2	103.2	7.4	6.2	4	86	88	821481	814175	<0.2	1.2			<0.2	1.2
											1.0	0.7	288	23.5	23.5	7.9	7.9	30.2	30.2	103.1	103.1	7.4	6.2	4	87	88	821481	814175	<0.2	1.1				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821481	814175				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	821481	814175	<0.2	1.1							
	3.5	0.4	268	23.8						23.8	7.9	7.9	30.1	30.1	102.6	102.6	7.3	13.9	3	88	88	821481	814175	<0.2	1.1									
	3.5	0.4	289	23.8						23.8	7.9	7.9	30.0	30.0	102.5	102.5	7.3	14.4	4	89	88	821481	814175	<0.2	1.2									
SR3	Cloudy	Moderate	08:52	8.6						Surface	1.0	0.3	71	23.4	23.4	8.0	8.0	29.0	29.0	100.5	100.5	7.2	5.7	5	-	-	822123	807557	-	-	-	-		
											1.0	0.3	75	23.4	23.4	8.0	8.0	29.0	29.0	100.4	100.4	7.2	5.8	4	-	-	822123	807557	-	-				
											4.3	0.2	68	23.4	23.4	8.0	8.0	29.0	29.0	99.9	99.9	7.2	6.6	5	-	-	822123	807557	-	-				
					Middle	4.3	0.3	69	23.4	23.4	8.0	8.0	29.0	29.0	99.8	99.8	7.2	6.7	4	-	-	822123	807557	-	-									
						7.6	0.1	78	23.4	23.4	8.0	8.0	29.1	29.1	99.7	99.7	7.2	8.4	5	-	-	822123	807557	-	-									
						7.6	0.1	83	23.4	23.4	8.0	8.0	29.2	29.2	99.7	99.7	7.2	8.5	4	-	-	822123	807557	-	-									
					SR4A	Cloudy	Moderate	07:52	9.6	Surface	1.0	0.8	248	23.7	23.7	8.1	8.1	30.8	30.8	98.5	98.5	7.0	2.0	6	-	-	817177	807810	-	-			-	-
											1.0	0.8	269	23.7	23.7	8.1	8.1	30.8	30.8	98.4	98.4	7.0	2.0	5	-	-	817177	807810	-	-				
											4.8	1.2	249	23.7	23.7	8.1	8.1	30.8	30.8	98.0	98.0	7.0	2.3	4	-	-	817177	807810	-	-				
Middle	4.8	1.4	257	23.7						23.7	8.1	8.1	30.8	30.8	97.9	97.9	6.9	2.3	4	-	-	817177	807810	-	-									
	8.6	1.7	253	23.7						23.7	8.1	8.1	30.8	30.8	96.0	95.9	6.8	2.3	3	-	-	817177	807810	-	-									
	8.6	1.9	267	23.7						23.7	8.1	8.1	30.8	30.8	95.7	95.9	6.8	2.4	4	-	-	817177	807810	-	-									
SR5A	Cloudy	Moderate	07:34	3.9						Surface	1.0	0.2	286	23.7	23.7	8.1	8.1	30.6	30.6	97.5	97.5	6.9	1.2	2	-	-	816586	810677	-	-	-	-		
											1.0	0.3	286	23.7	23.7	8.1	8.1	30.6	30.6	97.5	97.5	6.9	1.2	3	-	-	816586	810677	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816586	810677				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816586	810677	-	-							
						2.9	0.2	286	23.7	23.7	8.0	8.0	30.6	30.6	96.9	96.9	6.9	1.4	5	-	-	816586	810677	-	-									
						2.9	0.2	311	23.7	23.7	8.0	8.0	30.6	30.6	96.8	96.8	6.9	1.4	4	-	-	816586	810677	-	-									
					SR6A	Cloudy	Moderate	07:08	4.0	Surface	1.0	0.1	290	23.6	23.6	8.0	8.0	30.4	30.4	98.1	98.1	7.0	3.6	8	-	-	817985	814732	-	-			-	-
											1.0	0.1	313	23.6	23.6	8.0	8.0	30.4	30.4	98.1	98.1	7.0	3.5	8	-	-	817985	814732	-	-				
											-	-	-	-	-																			

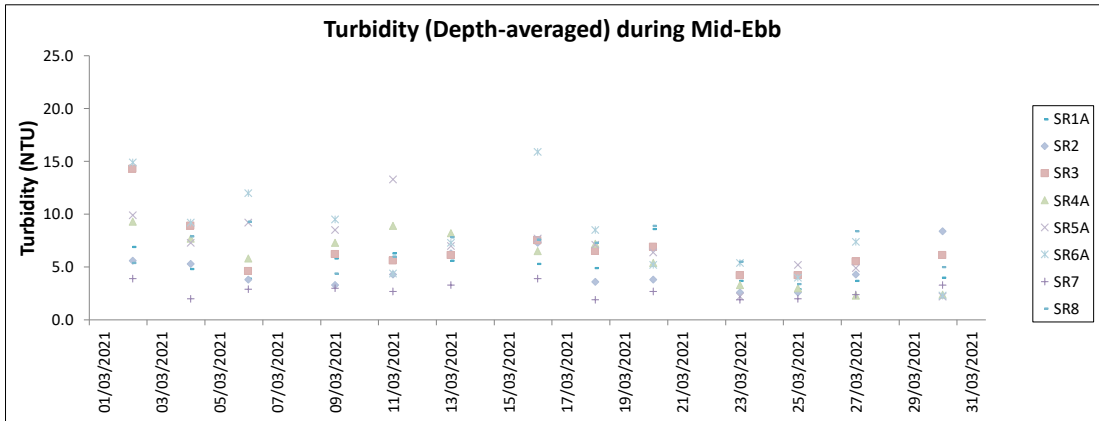
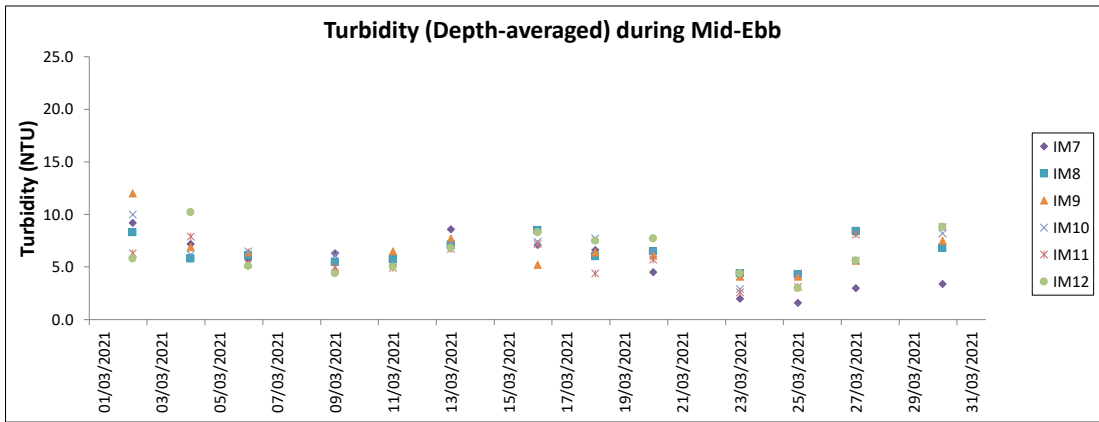
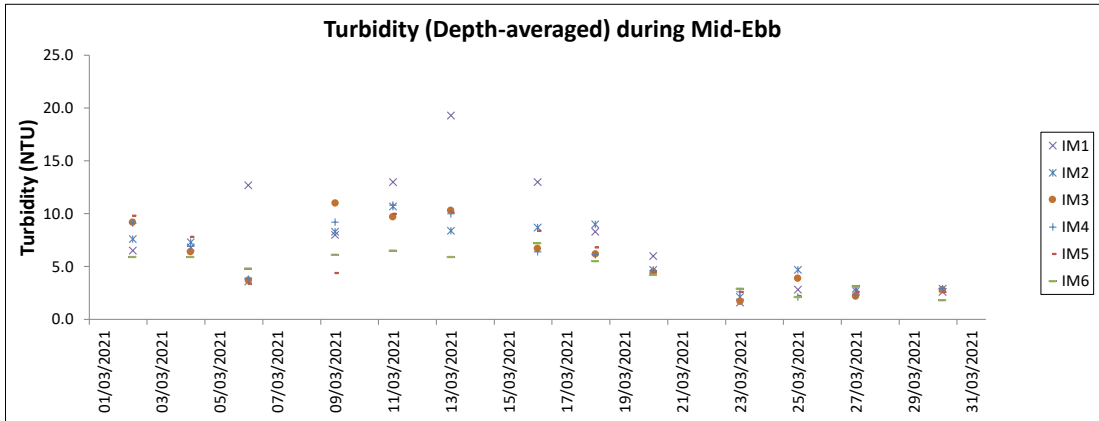
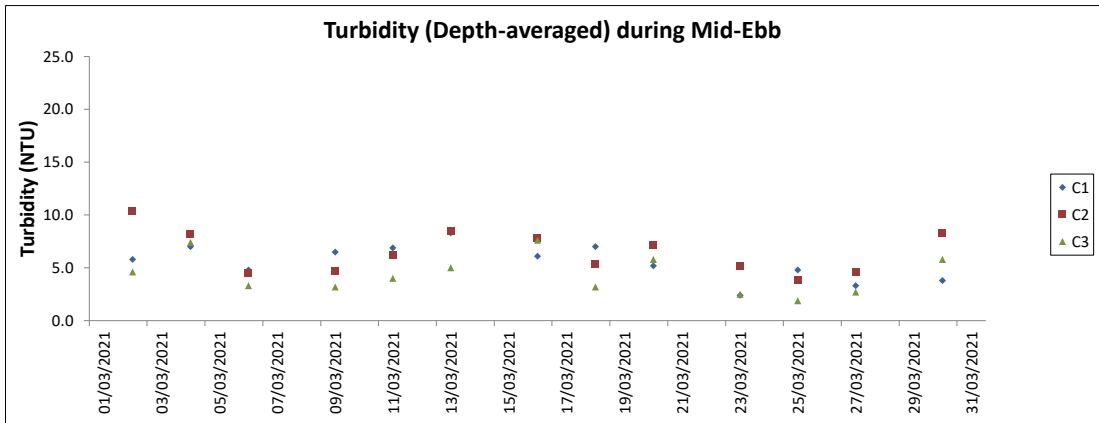




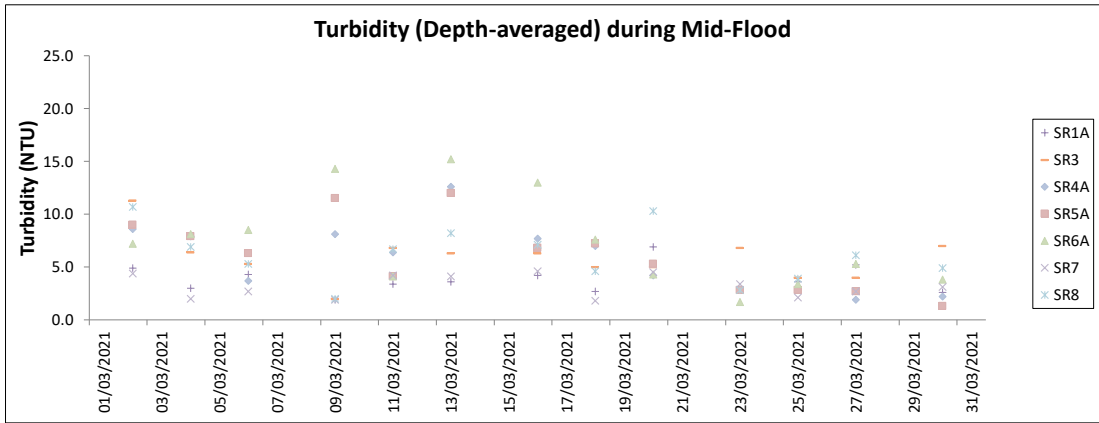
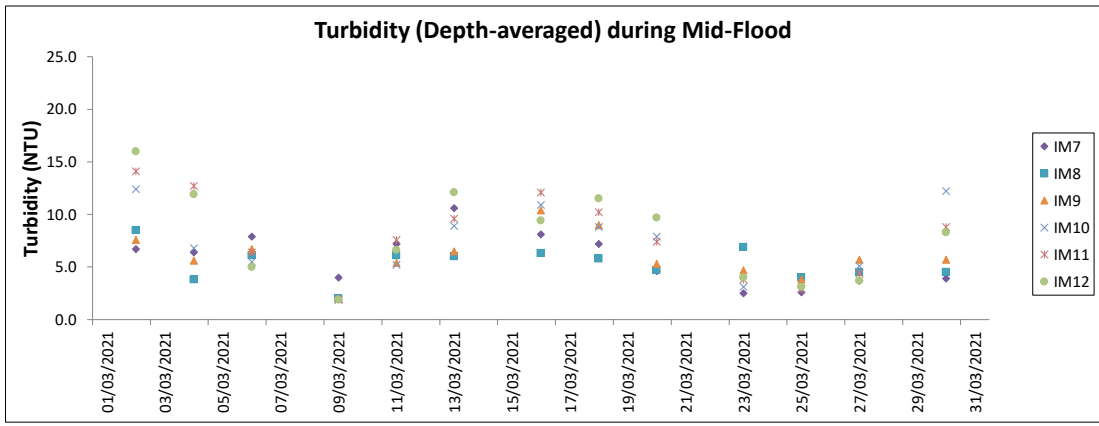
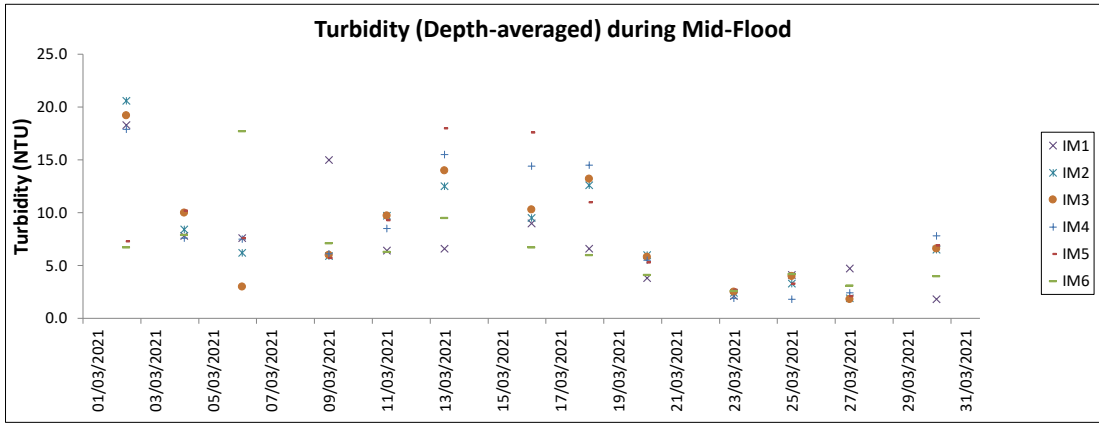
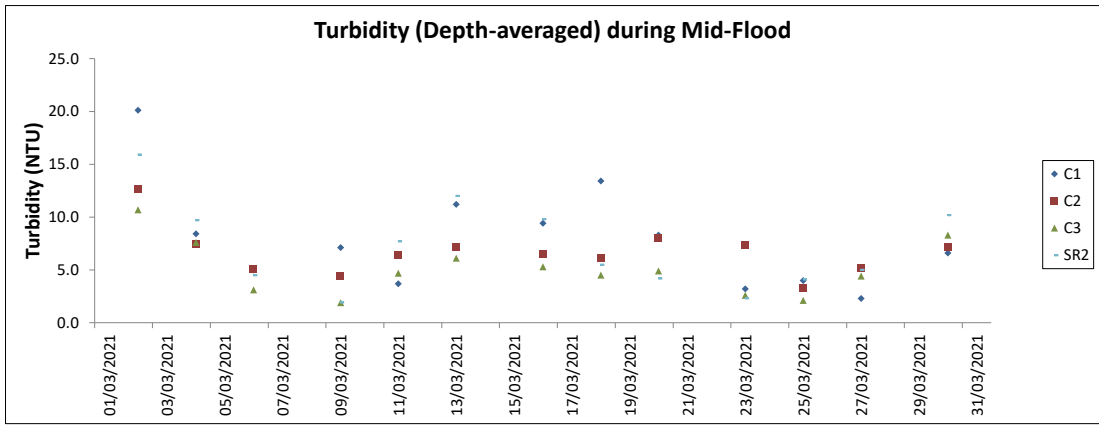




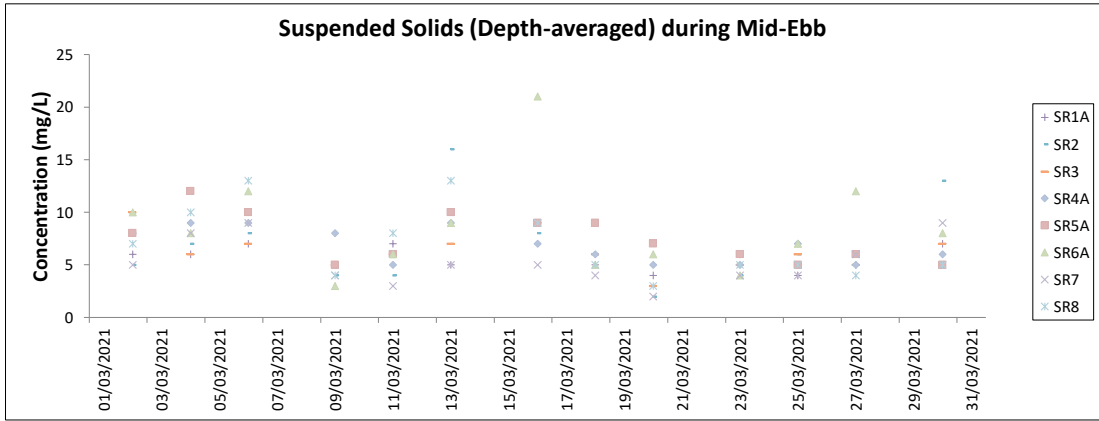
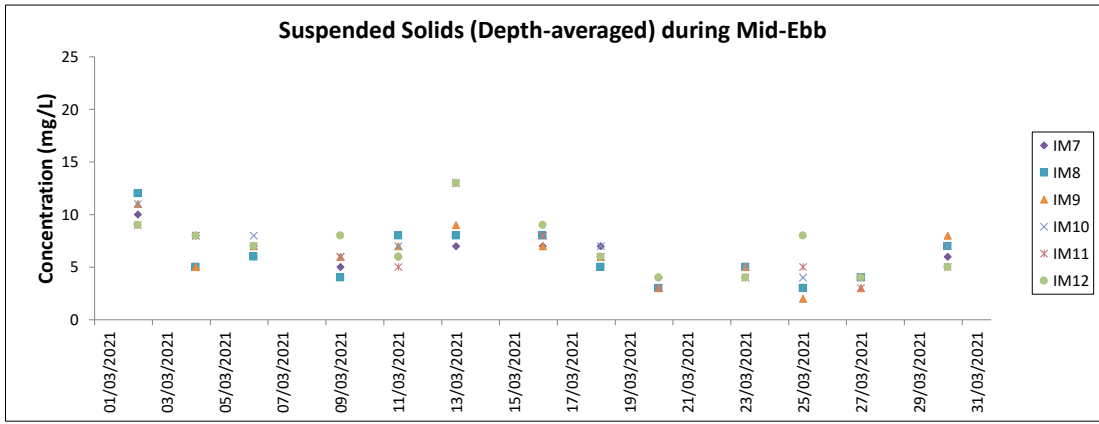
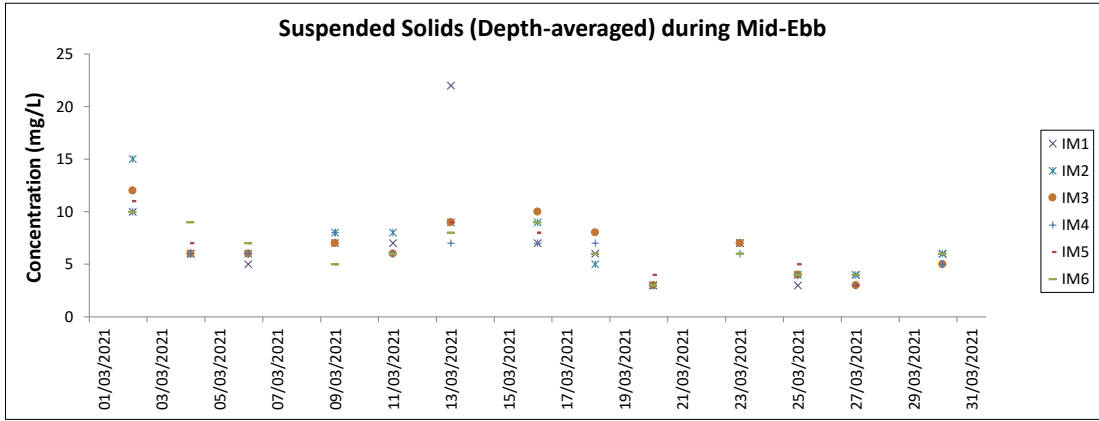
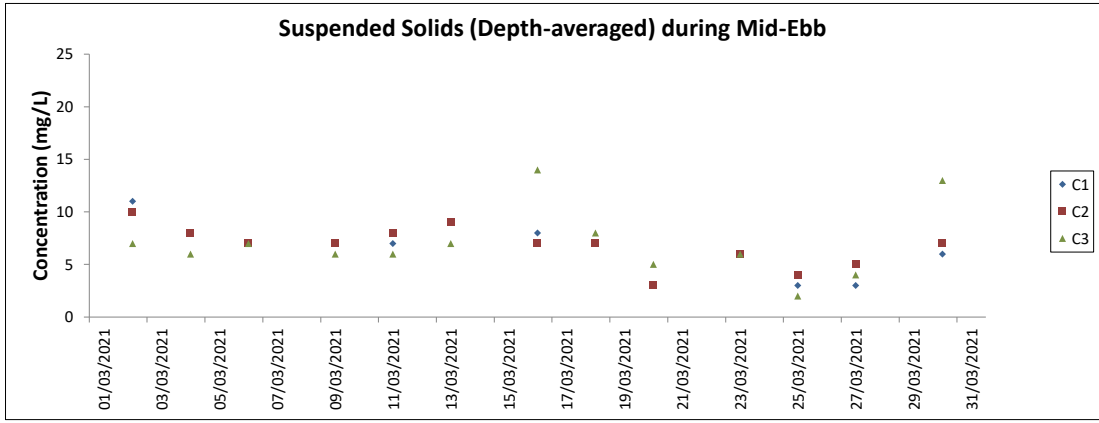




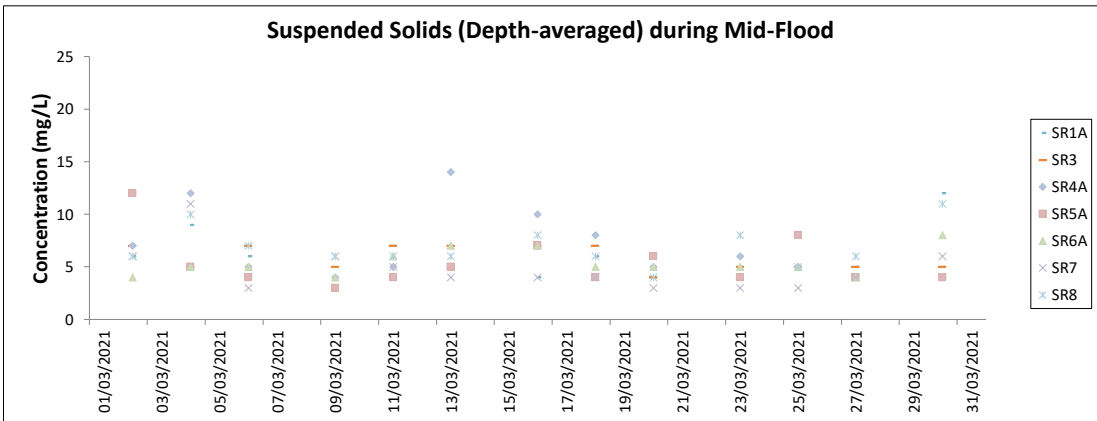
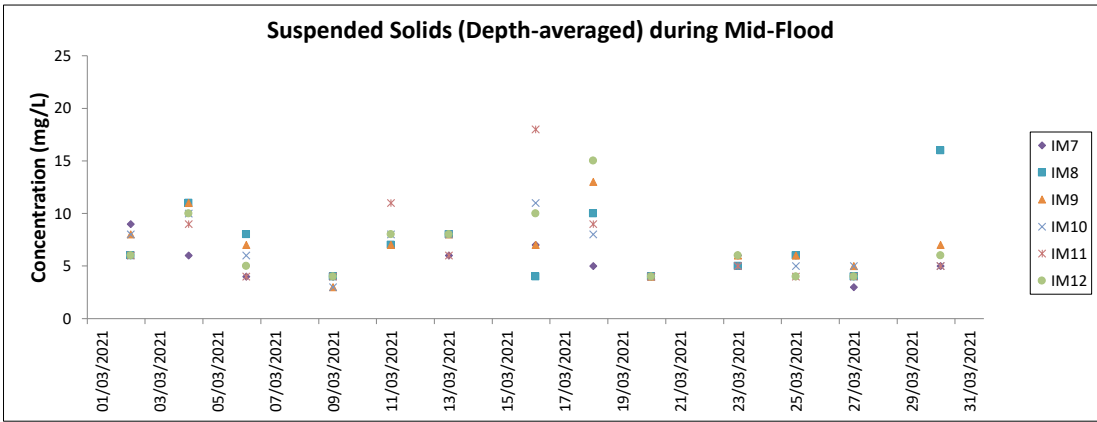
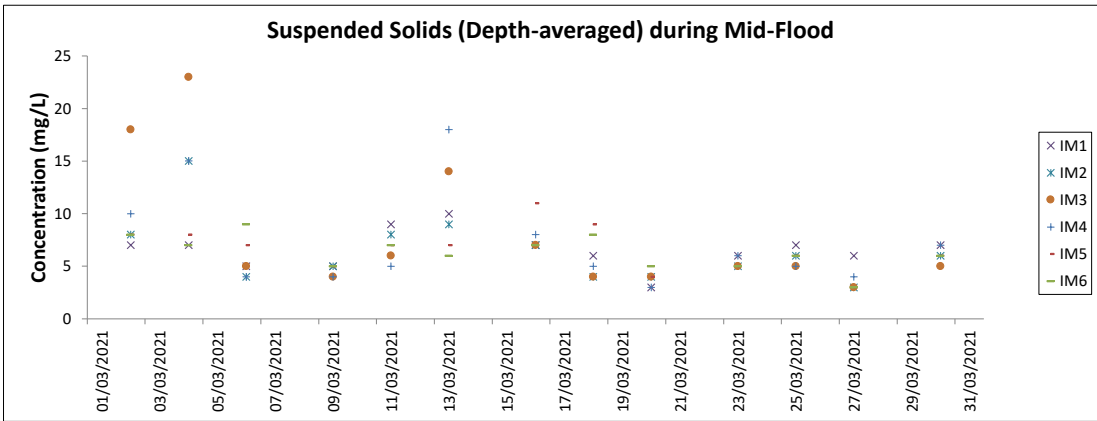
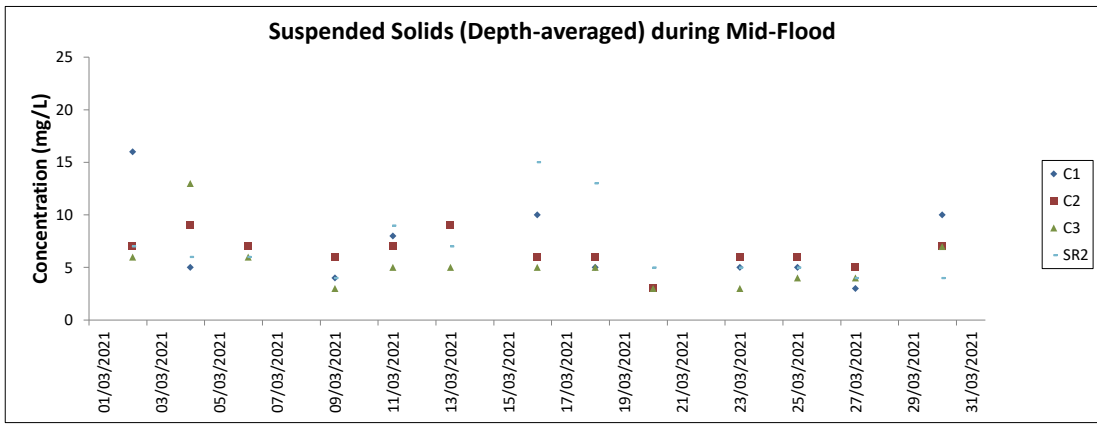
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



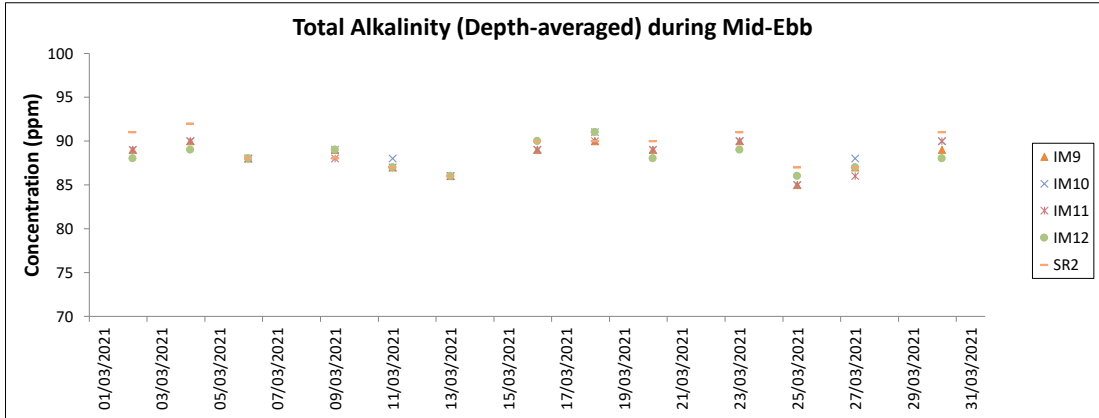
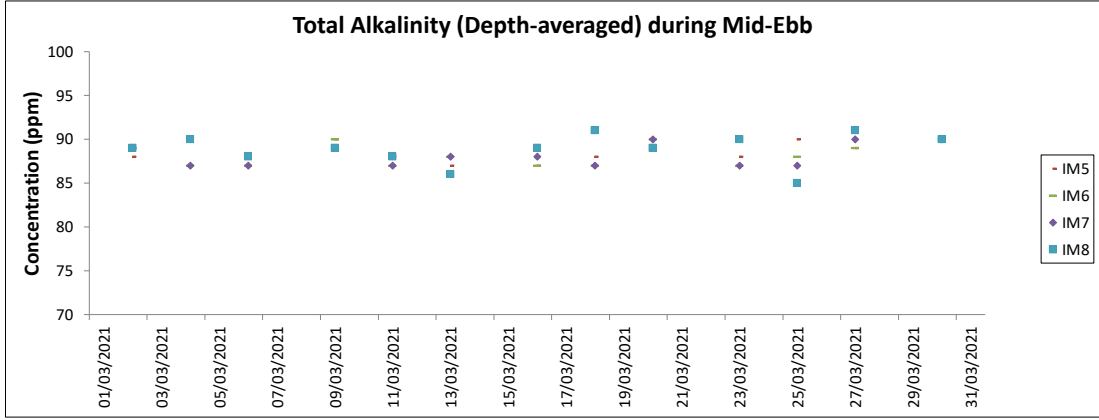
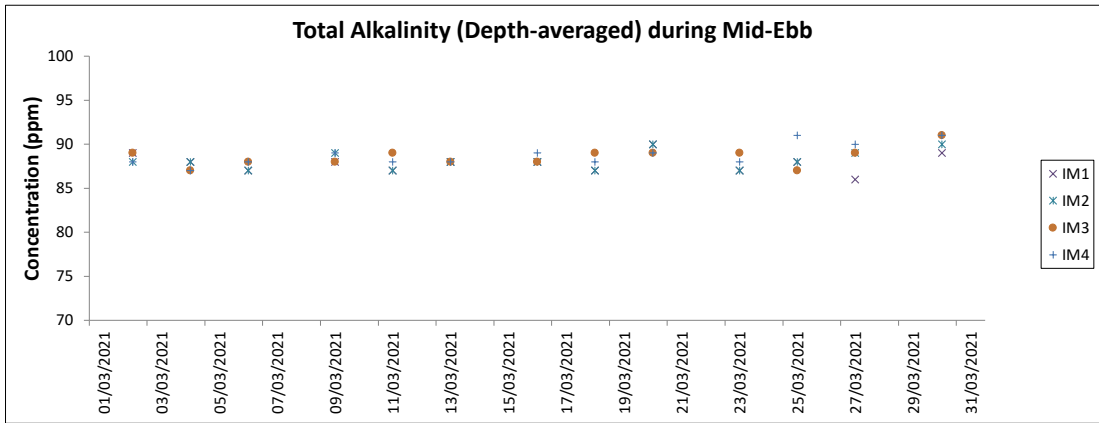
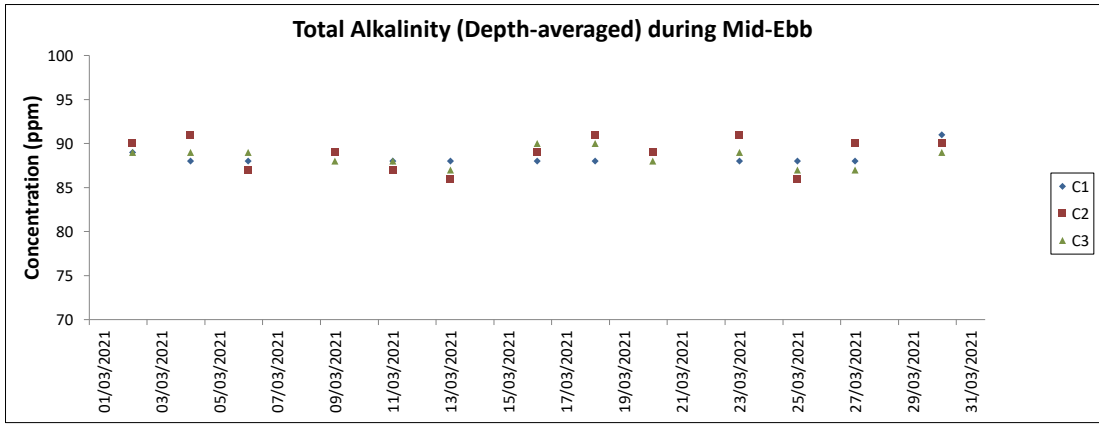
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



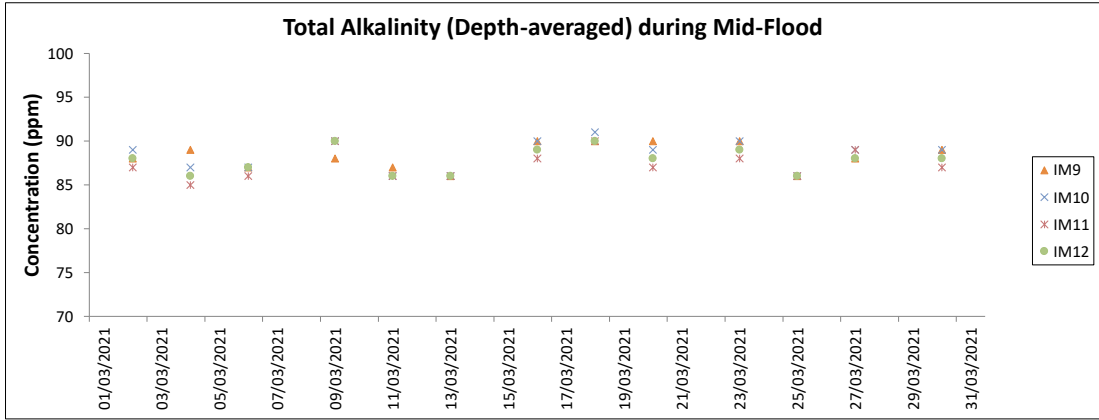
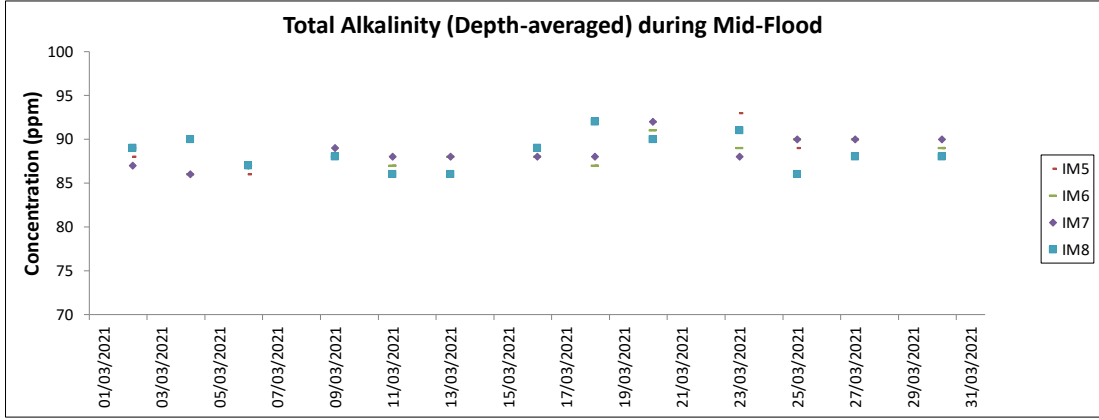
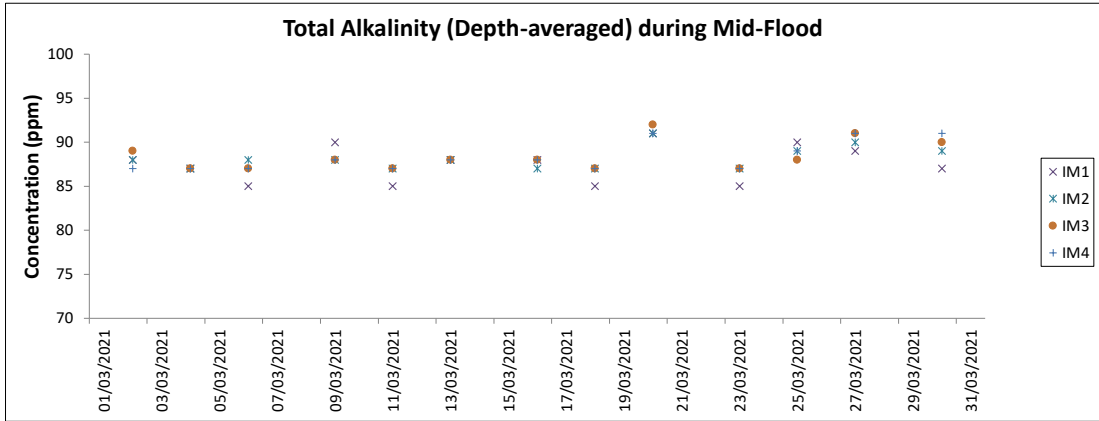
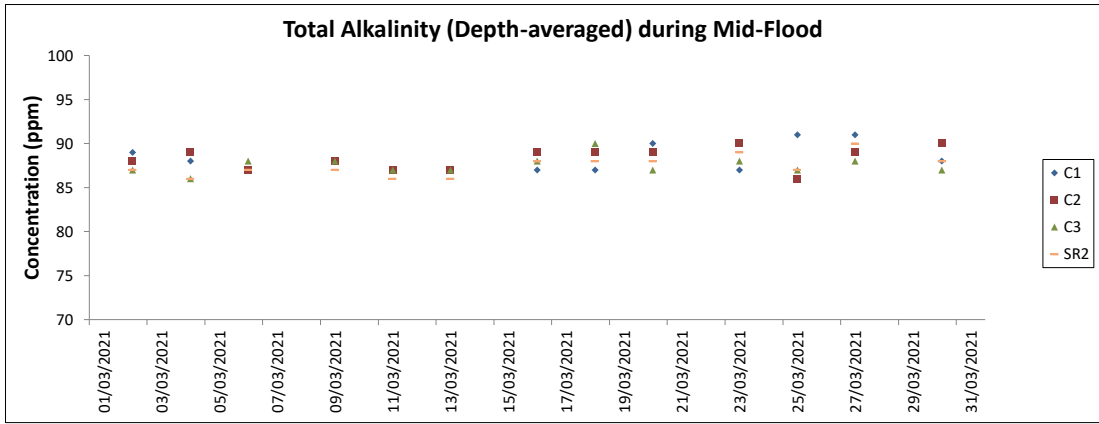
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



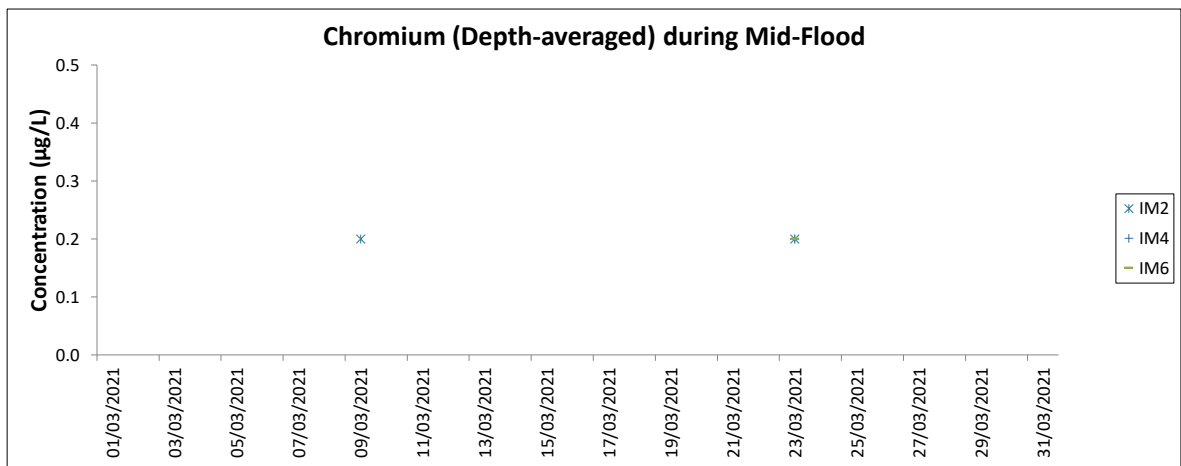
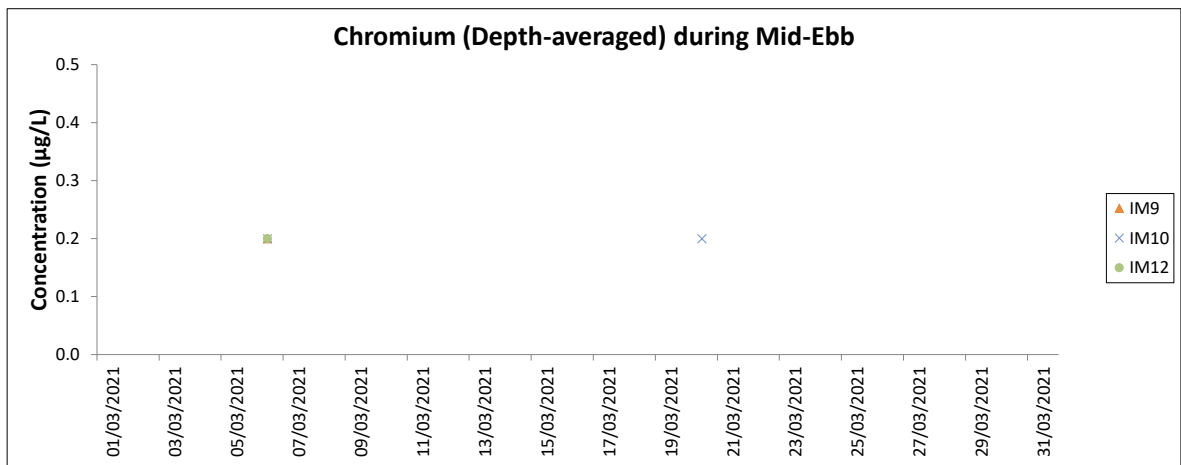
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



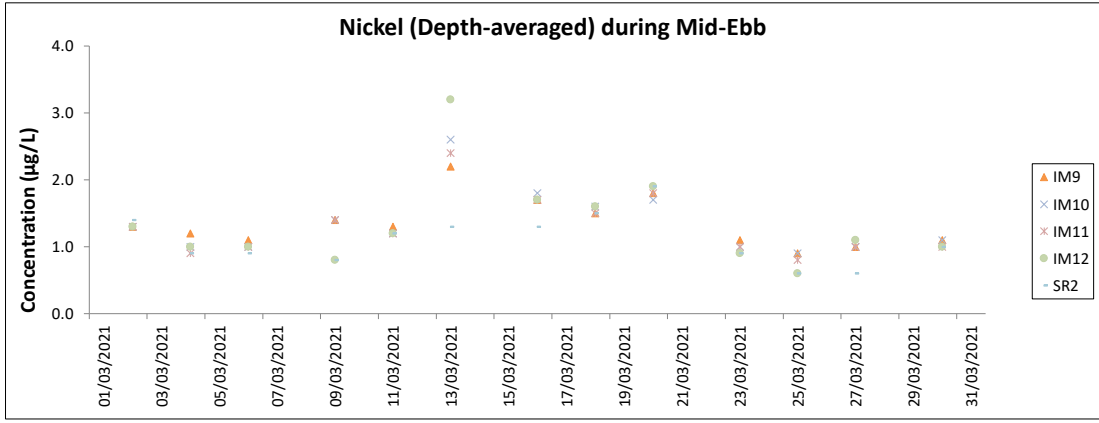
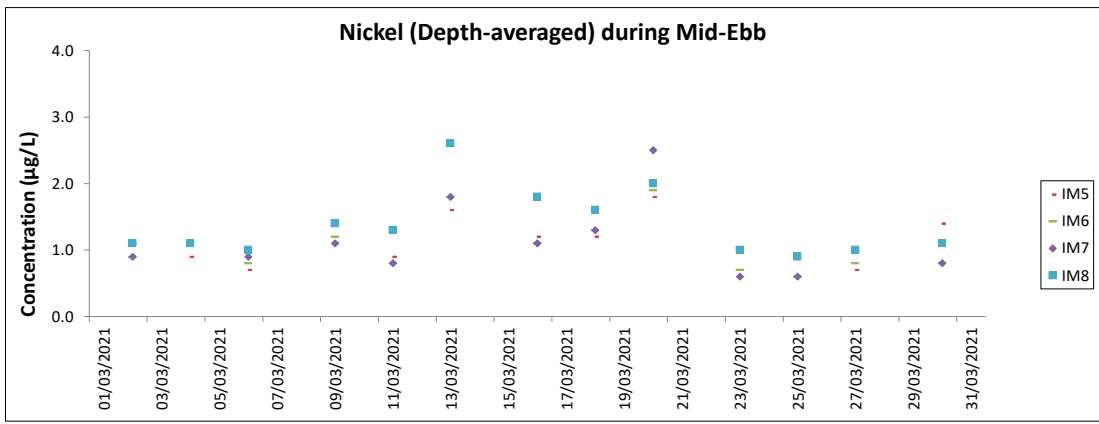
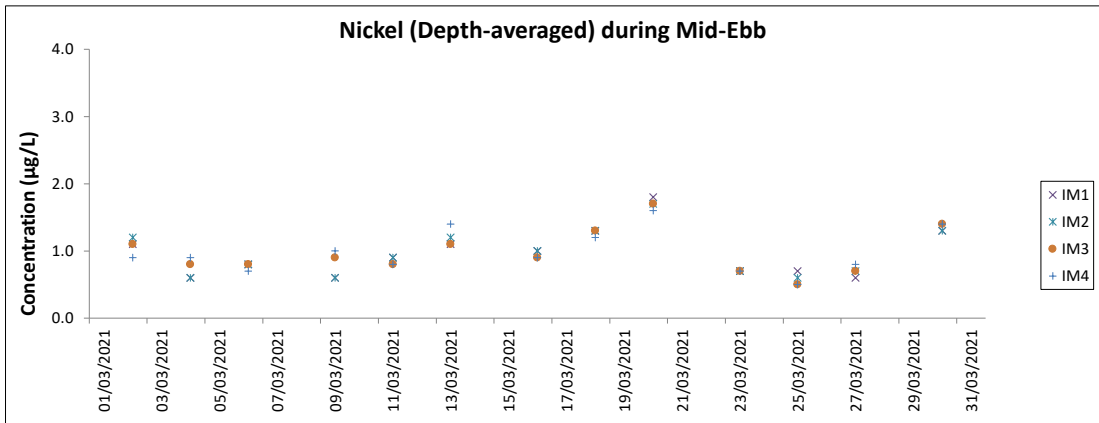
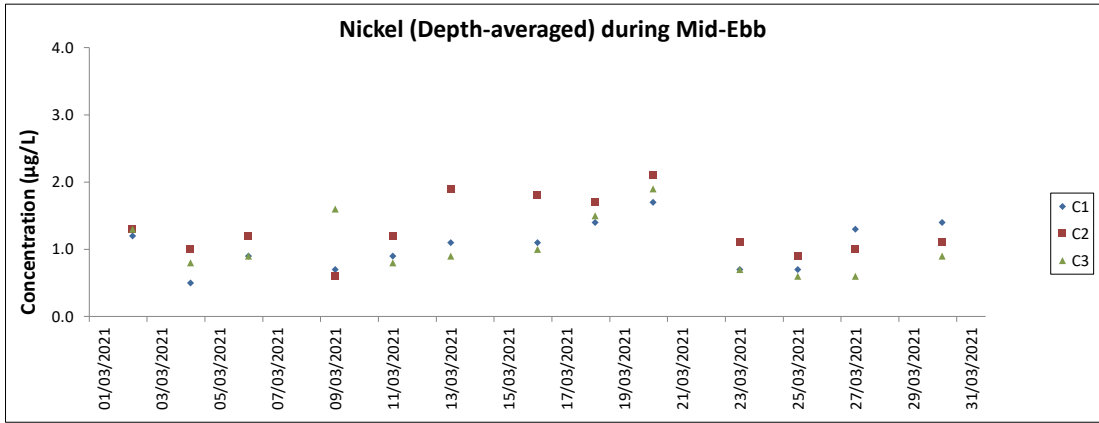
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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

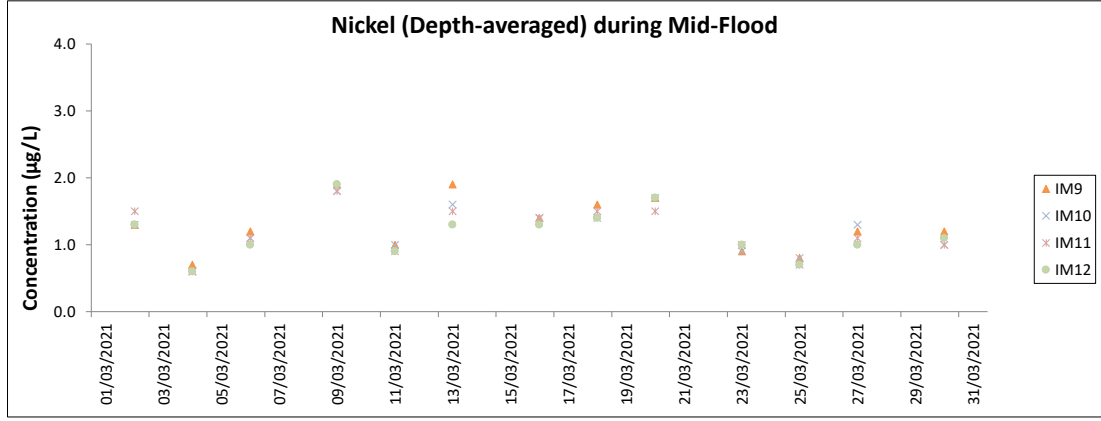
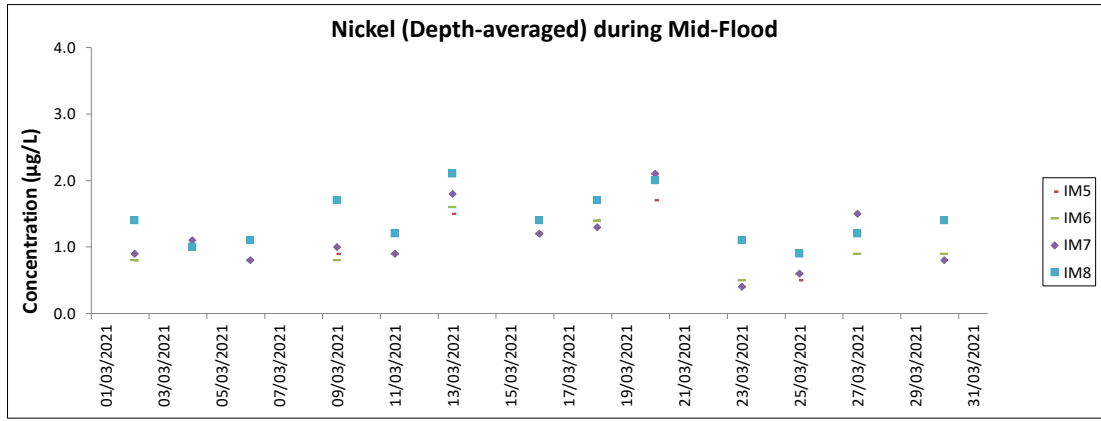
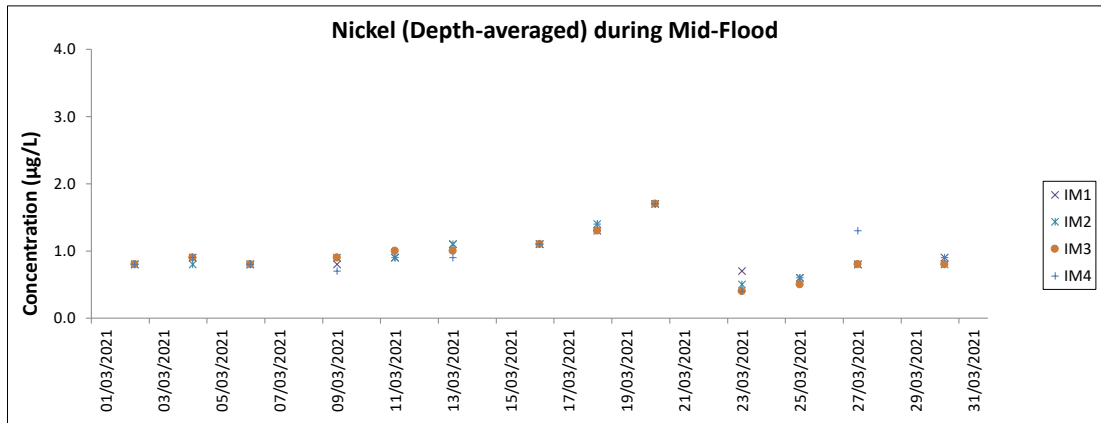
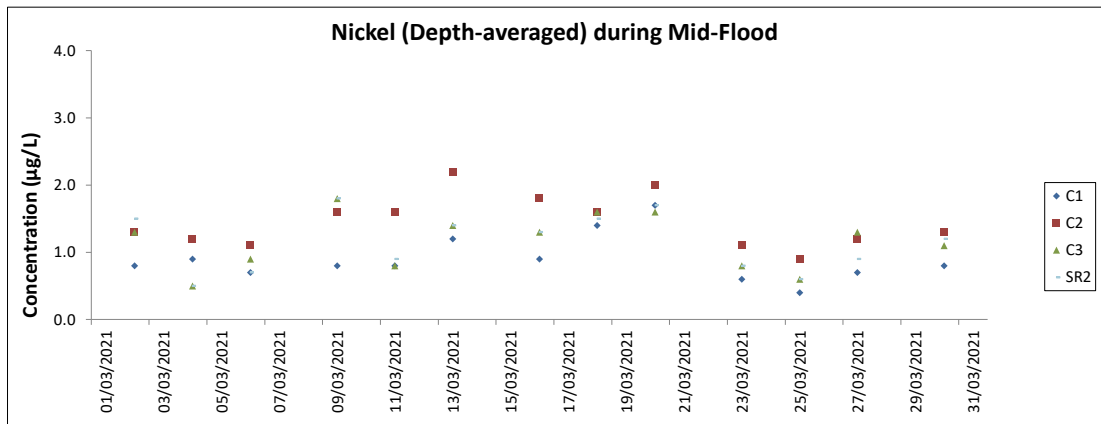


Note: The Action and Limit Level of chromium can be referred to Table 4.2 of the monthly EM&A report.  
 All other chromium in the reporting period was below the reporting limit 0.2 µg/L.



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





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

# **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Jan-21	NEL	2	6.200	WINTER	32166	3RS ET	P
11-Jan-21	NEL	3	24.380	WINTER	32166	3RS ET	P
11-Jan-21	NEL	4	6.900	WINTER	32166	3RS ET	P
11-Jan-21	NEL	2	1.900	WINTER	32166	3RS ET	S
11-Jan-21	NEL	3	7.320	WINTER	32166	3RS ET	S
11-Jan-21	NEL	4	0.500	WINTER	32166	3RS ET	S
12-Jan-21	NEL	2	8.900	WINTER	32166	3RS ET	P
12-Jan-21	NEL	3	28.460	WINTER	32166	3RS ET	P
12-Jan-21	NEL	2	2.600	WINTER	32166	3RS ET	S
12-Jan-21	NEL	3	7.040	WINTER	32166	3RS ET	S
15-Jan-21	SWL	2	12.333	WINTER	32166	3RS ET	P
15-Jan-21	SWL	3	36.540	WINTER	32166	3RS ET	P
15-Jan-21	SWL	4	0.687	WINTER	32166	3RS ET	P
15-Jan-21	SWL	2	4.680	WINTER	32166	3RS ET	S
15-Jan-21	SWL	3	11.610	WINTER	32166	3RS ET	S
18-Jan-21	AW	3	4.810	WINTER	32166	3RS ET	P
18-Jan-21	WL	3	18.290	WINTER	32166	3RS ET	P
18-Jan-21	WL	4	1.470	WINTER	32166	3RS ET	P
18-Jan-21	WL	3	9.240	WINTER	32166	3RS ET	S
18-Jan-21	WL	4	1.200	WINTER	32166	3RS ET	S
19-Jan-21	NWL	2	40.189	WINTER	32166	3RS ET	P
19-Jan-21	NWL	3	21.431	WINTER	32166	3RS ET	P
19-Jan-21	NWL	2	8.240	WINTER	32166	3RS ET	S
19-Jan-21	NWL	3	2.750	WINTER	32166	3RS ET	S
19-Jan-21	NWL	4	0.600	WINTER	32166	3RS ET	S
20-Jan-21	NWL	2	60.280	WINTER	32166	3RS ET	P
20-Jan-21	NWL	3	1.830	WINTER	32166	3RS ET	P
20-Jan-21	NWL	2	11.100	WINTER	32166	3RS ET	S
20-Jan-21	NWL	3	0.490	WINTER	32166	3RS ET	S
26-Jan-21	SWL	2	52.857	WINTER	32166	3RS ET	P
26-Jan-21	SWL	2	13.957	WINTER	32166	3RS ET	S
27-Jan-21	AW	2	4.600	WINTER	32166	3RS ET	P
27-Jan-21	WL	2	12.824	WINTER	32166	3RS ET	P
27-Jan-21	WL	3	4.560	WINTER	32166	3RS ET	P
27-Jan-21	WL	2	7.273	WINTER	32166	3RS ET	S
27-Jan-21	WL	3	3.305	WINTER	32166	3RS ET	S
5-Feb-21	AW	3	4.670	WINTER	32166	3RS ET	P
5-Feb-21	WL	2	10.448	WINTER	32166	3RS ET	P
5-Feb-21	WL	3	6.690	WINTER	32166	3RS ET	P
5-Feb-21	WL	2	7.922	WINTER	32166	3RS ET	S
5-Feb-21	WL	3	2.180	WINTER	32166	3RS ET	S
8-Feb-21	NWL	2	3.780	WINTER	32166	3RS ET	P
8-Feb-21	NWL	3	24.720	WINTER	32166	3RS ET	P
8-Feb-21	NWL	4	30.770	WINTER	32166	3RS ET	P
8-Feb-21	NWL	2	4.170	WINTER	32166	3RS ET	S
8-Feb-21	NWL	3	1.900	WINTER	32166	3RS ET	S
8-Feb-21	NWL	4	5.440	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
9-Feb-21	NEL	2	2.900	WINTER	32166	3RS ET	P
9-Feb-21	NEL	3	32.690	WINTER	32166	3RS ET	P
9-Feb-21	NEL	4	1.400	WINTER	32166	3RS ET	P
9-Feb-21	NEL	3	10.310	WINTER	32166	3RS ET	S
16-Feb-21	AW	3	4.800	WINTER	32166	3RS ET	P
16-Feb-21	WL	2	10.372	WINTER	32166	3RS ET	P
16-Feb-21	WL	3	9.920	WINTER	32166	3RS ET	P
16-Feb-21	WL	2	6.548	WINTER	32166	3RS ET	S
16-Feb-21	WL	3	3.027	WINTER	32166	3RS ET	S
17-Feb-21	NWL	2	8.500	WINTER	32166	3RS ET	P
17-Feb-21	NWL	3	54.950	WINTER	32166	3RS ET	P
17-Feb-21	NWL	2	2.000	WINTER	32166	3RS ET	S
17-Feb-21	NWL	3	8.950	WINTER	32166	3RS ET	S
22-Feb-21	SWL	1	11.870	WINTER	32166	3RS ET	P
22-Feb-21	SWL	2	41.274	WINTER	32166	3RS ET	P
22-Feb-21	SWL	1	3.184	WINTER	32166	3RS ET	S
22-Feb-21	SWL	2	12.507	WINTER	32166	3RS ET	S
23-Feb-21	SWL	2	52.641	WINTER	32166	3RS ET	P
23-Feb-21	SWL	3	2.000	WINTER	32166	3RS ET	P
23-Feb-21	SWL	2	15.510	WINTER	32166	3RS ET	S
24-Feb-21	NEL	2	1.950	WINTER	32166	3RS ET	P
24-Feb-21	NEL	3	35.420	WINTER	32166	3RS ET	P
24-Feb-21	NEL	2	2.960	WINTER	32166	3RS ET	S
24-Feb-21	NEL	3	7.270	WINTER	32166	3RS ET	S
3-Mar-21	NEL	3	37.340	SPRING	32166	3RS ET	P
3-Mar-21	NEL	3	9.760	SPRING	32166	3RS ET	S
8-Mar-21	NWL	2	1.100	SPRING	32166	3RS ET	P
8-Mar-21	NWL	3	35.740	SPRING	32166	3RS ET	P
8-Mar-21	NWL	4	26.780	SPRING	32166	3RS ET	P
8-Mar-21	NWL	2	2.300	SPRING	32166	3RS ET	S
8-Mar-21	NWL	3	5.000	SPRING	32166	3RS ET	S
8-Mar-21	NWL	4	3.900	SPRING	32166	3RS ET	S
9-Mar-21	AW	3	4.720	SPRING	32166	3RS ET	P
9-Mar-21	WL	2	9.720	SPRING	32166	3RS ET	P
9-Mar-21	WL	3	10.360	SPRING	32166	3RS ET	P
9-Mar-21	WL	2	6.740	SPRING	32166	3RS ET	S
9-Mar-21	WL	3	4.630	SPRING	32166	3RS ET	S
10-Mar-21	NEL	2	1.100	SPRING	32166	3RS ET	P
10-Mar-21	NEL	3	25.400	SPRING	32166	3RS ET	P
10-Mar-21	NEL	4	10.430	SPRING	32166	3RS ET	P
10-Mar-21	NEL	3	7.070	SPRING	32166	3RS ET	S
10-Mar-21	NEL	4	3.100	SPRING	32166	3RS ET	S
12-Mar-21	SWL	1	3.850	SPRING	32166	3RS ET	P
12-Mar-21	SWL	2	49.702	SPRING	32166	3RS ET	P
12-Mar-21	SWL	3	0.900	SPRING	32166	3RS ET	P
12-Mar-21	SWL	2	14.678	SPRING	32166	3RS ET	S
12-Mar-21	SWL	3	1.100	SPRING	32166	3RS ET	S
15-Mar-21	AW	2	1.910	SPRING	32166	3RS ET	P
15-Mar-21	AW	3	2.740	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
15-Mar-21	WL	2	16.658	SPRING	32166	3RS ET	P
15-Mar-21	WL	3	3.340	SPRING	32166	3RS ET	P
15-Mar-21	WL	2	9.742	SPRING	32166	3RS ET	S
16-Mar-21	NWL	2	58.960	SPRING	32166	3RS ET	P
16-Mar-21	NWL	3	3.860	SPRING	32166	3RS ET	P
16-Mar-21	NWL	2	8.700	SPRING	32166	3RS ET	S
16-Mar-21	NWL	3	1.900	SPRING	32166	3RS ET	S
17-Mar-21	SWL	2	49.752	SPRING	32166	3RS ET	P
17-Mar-21	SWL	3	2.340	SPRING	32166	3RS ET	P
17-Mar-21	SWL	2	15.682	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
15-Jan-21	1	1154	FP	2	SWL	3	19	ON	3RS ET	22.1678	113.9182	WINTER	NONE	P
15-Jan-21	2	1335	CWD	3	SWL	3	789	ON	3RS ET	22.183	113.8875	WINTER	NONE	P
15-Jan-21	3	1443	CWD	1	SWL	2	652	ON	3RS ET	22.1758	113.8685	WINTER	NONE	P
18-Jan-21	1	1116	CWD	3	WL	3	336	ON	3RS ET	22.2421	113.8321	WINTER	NONE	P
18-Jan-21	2	1246	CWD	6	WL	3	45	ON	3RS ET	22.1871	113.8342	WINTER	NONE	P
19-Jan-21	1	0948	CWD	9	NWL	3	1196	ON	3RS ET	22.3799	113.8698	WINTER	NONE	P
19-Jan-21	2	1217	CWD	2	NWL	3	278	ON	3RS ET	22.3974	113.8879	WINTER	NONE	P
19-Jan-21	3	1325	CWD	2	NWL	2	57	ON	3RS ET	22.3703	113.8964	WINTER	NONE	P
19-Jan-21	4	1412	CWD	3	NWL	2	299	ON	3RS ET	22.3549	113.9074	WINTER	NONE	P
20-Jan-21	1	1031	CWD	12	NWL	2	212	ON	3RS ET	22.2743	113.8703	WINTER	NONE	P
20-Jan-21	2	1149	CWD	7	NWL	3	88	ON	3RS ET	22.3515	113.8779	WINTER	NONE	P
26-Jan-21	1	1216	FP	5	SWL	2	17	ON	3RS ET	22.1549	113.9073	WINTER	NONE	S
26-Jan-21	2	1251	CWD	1	SWL	2	38	ON	3RS ET	22.2080	113.9047	WINTER	GILLNETTER	S
26-Jan-21	3	1327	FP	3	SWL	2	346	ON	3RS ET	22.1617	113.8975	WINTER	NONE	P
26-Jan-21	4	1330	FP	2	SWL	2	59	ON	3RS ET	22.1577	113.8978	WINTER	NONE	P
26-Jan-21	5	1339	FP	1	SWL	2	22	ON	3RS ET	22.1496	113.8918	WINTER	NONE	S
26-Jan-21	6	1348	FP	1	SWL	2	34	ON	3RS ET	22.1644	113.8884	WINTER	NONE	P
26-Jan-21	7	1512	CWD	1	SWL	2	396	ON	3RS ET	22.1828	113.8596	WINTER	NONE	P
26-Jan-21	8	1531	CWD	4	SWL	2	725	ON	3RS ET	22.1711	113.8537	WINTER	NONE	S
27-Jan-21	1	1009	CWD	5	WL	2	127	ON	3RS ET	22.2861	113.8613	WINTER	NONE	P
27-Jan-21	2	1029	CWD	3	WL	2	470	ON	3RS ET	22.2737	113.8491	WINTER	NONE	S
27-Jan-21	3	1038	CWD	5	WL	2	79	ON	3RS ET	22.2694	113.8502	WINTER	NONE	P
27-Jan-21	4	1208	CWD	1	WL	2	258	ON	3RS ET	22.1962	113.8300	WINTER	NONE	P
27-Jan-21	5	1221	CWD	7	WL	2	45	ON	3RS ET	22.1960	113.8340	WINTER	NONE	P
5-Feb-21	1	1025	CWD	2	WL	2	374	ON	3RS ET	22.2726	113.8471	WINTER	NONE	S
5-Feb-21	2	1031	CWD	4	WL	2	22	ON	3RS ET	22.2692	113.8477	WINTER	GILLNETTER	P
5-Feb-21	3	1056	CWD	2	WL	2	817	ON	3RS ET	22.2612	113.8506	WINTER	NONE	P
5-Feb-21	4	1102	CWD	6	WL	2	424	ON	3RS ET	22.2602	113.8404	WINTER	NONE	P
5-Feb-21	5	1134	CWD	5	WL	2	698	ON	3RS ET	22.2413	113.8449	WINTER	NONE	P
5-Feb-21	6	1201	CWD	1	WL	2	130	ON	3RS ET	22.2232	113.8366	WINTER	NONE	P
5-Feb-21	7	1245	CWD	1	WL	3	231	ON	3RS ET	22.1967	113.8335	WINTER	NONE	P
8-Feb-21	1	1003	CWD	12	NWL	3	513	ON	3RS ET	22.4049	113.8702	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
8-Feb-21	2	1102	CWD	1	NWL	3	779	ON	3RS ET	22.3266	113.8699	WINTER	NONE	P
8-Feb-21	3	1133	CWD	10	NWL	2	893	ON	3RS ET	22.2732	113.8703	WINTER	NONE	P
8-Feb-21	4	1254	CWD	1	NWL	3	18	ON	3RS ET	22.3571	113.8781	WINTER	NONE	P
16-Feb-21	1	1001	CWD	3	WL	3	698	ON	3RS ET	22.2962	113.8613	WINTER	NONE	P
16-Feb-21	2	1038	CWD	3	WL	3	175	ON	3RS ET	22.2669	113.8596	WINTER	NONE	S
16-Feb-21	3	1058	CWD	9	WL	3	510	ON	3RS ET	22.2606	113.8443	WINTER	GILLNETTER	P
16-Feb-21	4	1135	CWD	2	WL	3	275	ON	3RS ET	22.2500	113.8467	WINTER	NONE	P
16-Feb-21	5	1219	CWD	1	WL	2	35	ON	3RS ET	22.2203	113.8203	WINTER	NONE	S
17-Feb-21	1	1130	CWD	2	NWL	3	6	ON	3RS ET	22.3859	113.8775	WINTER	NONE	P
22-Feb-21	1	1043	FP	8	SWL	1	288	ON	3RS ET	22.1749	113.9366	WINTER	NONE	P
22-Feb-21	2	1051	FP	3	SWL	1	72	ON	3RS ET	22.1625	113.9363	WINTER	NONE	P
22-Feb-21	3	1058	FP	1	SWL	1	9	ON	3RS ET	22.1494	113.9355	WINTER	NONE	S
22-Feb-21	4	1101	FP	8	SWL	1	89	ON	3RS ET	22.1471	113.9322	WINTER	NONE	S
22-Feb-21	5	1108	FP	1	SWL	1	55	ON	3RS ET	22.1477	113.9275	WINTER	NONE	P
22-Feb-21	6	1115	FP	1	SWL	1	16	ON	3RS ET	22.1572	113.9274	WINTER	NONE	P
22-Feb-21	7	1308	FP	5	SWL	2	599	ON	3RS ET	22.1761	113.8972	WINTER	NONE	P
22-Feb-21	8	1314	FP	2	SWL	2	67	ON	3RS ET	22.1663	113.8972	WINTER	NONE	P
22-Feb-21	9	1320	FP	6	SWL	2	113	ON	3RS ET	22.1568	113.8974	WINTER	NONE	P
22-Feb-21	10	1330	FP	2	SWL	2	1	ON	3RS ET	22.1518	113.8876	WINTER	NONE	P
22-Feb-21	11	1339	FP	3	SWL	2	161	ON	3RS ET	22.1696	113.8878	WINTER	NONE	P
22-Feb-21	12	1405	FP	1	SWL	2	471	ON	3RS ET	22.2064	113.8785	WINTER	NONE	S
22-Feb-21	13	1410	FP	4	SWL	2	64	ON	3RS ET	22.1979	113.8982	WINTER	NONE	P
22-Feb-21	14	1442	FP	5	SWL	2	513	ON	3RS ET	22.1793	113.8686	WINTER	NONE	P
22-Feb-21	15	1446	FP	3	SWL	2	199	ON	3RS ET	22.1848	113.8687	WINTER	NONE	P
22-Feb-21	16	1449	FP	5	SWL	2	672	ON	3RS ET	22.1891	113.8684	WINTER	NONE	P
22-Feb-21	17	1456	FP	1	SWL	2	61	ON	3RS ET	22.1966	113.8685	WINTER	NONE	P
22-Feb-21	18	1508	FP	3	SWL	2	360	ON	3RS ET	22.1849	113.8590	WINTER	NONE	P
23-Feb-21	1	1042	FP	2	SWL	2	310	ON	3RS ET	22.1774	113.9358	WINTER	NONE	P
23-Feb-21	2	1304	FP	3	SWL	2	62	ON	3RS ET	22.1668	113.89727	WINTER	NONE	P
23-Feb-21	3	1310	FP	7	SWL	2	285	ON	3RS ET	22.1643	113.8972	WINTER	NONE	P
23-Feb-21	4	1314	FP	3	SWL	2	18	ON	3RS ET	22.1587	113.8975	WINTER	NONE	P
23-Feb-21	5	1430	FP	3	SWL	2	63	ON	3RS ET	22.1743	113.8688	WINTER	NONE	P
8-Mar-21	1	0939	CWD	1	NWL	3	150	ON	3RS ET	22.4023	113.8702	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
9-Mar-21	1	1145	CWD	4	WL	3	41	ON	3RS ET	22.2052	113.8337	SPRING	NONE	P
12-Mar-21	1	1051	FP	8	SWL	1	49	ON	3RS ET	22.1885	113.9365	SPRING	NONE	P
12-Mar-21	2	1105	FP	3	SWL	2	25	ON	3RS ET	22.1730	113.9361	SPRING	NONE	P
12-Mar-21	3	1114	FP	2	SWL	2	41	ON	3RS ET	22.1572	113.9366	SPRING	NONE	P
12-Mar-21	4	1145	FP	2	SWL	2	17	ON	3RS ET	22.1934	113.9270	SPRING	NONE	P
15-Mar-21	1	1010	CWD	1	WL	3	71	ON	3RS ET	22.2908	113.8613	SPRING	NONE	P
15-Mar-21	2	1146	CWD	7	WL	2	434	ON	3RS ET	22.2074	113.8395	SPRING	NONE	S
15-Mar-21	3	1217	CWD	1	WL	2	404	ON	3RS ET	22.2054	113.8230	SPRING	NONE	P
16-Mar-21	1	1039	CWD	1	NWL	2	915	ON	3RS ET	22.2800	113.8784	SPRING	NONE	P
16-Mar-21	2	1105	CWD	2	NWL	2	223	ON	3RS ET	22.3070	113.8753	SPRING	NONE	S
17-Mar-21	1	1038	FP	3	SWL	2	200	ON	3RS ET	22.2012	113.9359	SPRING	NONE	P
17-Mar-21	2	1046	FP	7	SWL	2	315	ON	3RS ET	22.1876	113.9360	SPRING	NONE	P
17-Mar-21	3	1054	FP	8	SWL	2	9	ON	3RS ET	22.1763	113.9359	SPRING	NONE	P
17-Mar-21	4	1107	FP	2	SWL	2	2	ON	3RS ET	22.1491	113.9344	SPRING	NONE	S
17-Mar-21	5	1216	FP	2	SWL	2	58	ON	3RS ET	22.1411	113.9089	SPRING	NONE	S
17-Mar-21	6	1223	FP	4	SWL	2	211	ON	3RS ET	22.1526	113.9079	SPRING	NONE	P
17-Mar-21	7	1228	FP	2	SWL	2	13	ON	3RS ET	22.1556	113.9019	SPRING	NONE	S
17-Mar-21	8	1319	FP	4	SWL	2	184	ON	3RS ET	22.1728	113.8968	SPRING	NONE	P
17-Mar-21	9	1327	FP	3	SWL	2	72	ON	3RS ET	22.1582	113.8974	SPRING	NONE	P
17-Mar-21	10	1340	FP	2	SWL	2	186	ON	3RS ET	22.1579	113.8881	SPRING	NONE	P
17-Mar-21	11	1420	FP	3	SWL	3	67	ON	3RS ET	22.1856	113.8779	SPRING	NONE	P
17-Mar-21	12	1431	FP	1	SWL	2	122	ON	3RS ET	22.1630	113.8785	SPRING	NONE	P
17-Mar-21	13	1451	FP	1	SWL	2	11	ON	3RS ET	22.1891	113.8686	SPRING	NONE	P
17-Mar-21	14	1524	CWD	1	SWL	2	86	ON	3RS ET	22.1843	113.8486	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 406.794 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 8 on-effort sightings and total number of 18 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in March 2021 are shown as below:

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

$$STG = \frac{8}{406.794} \times 100 = 1.97$$

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

$$ANI = \frac{18}{406.794} \times 100 = 4.42$$

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

A total of 1244.816 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 43 on-effort sightings and total number of 158 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)









$$STG = \frac{43}{1244.816} \times 100 = 3.45$$








Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{158}{1244.816} \times 100 = 12.69$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM012_20210309_1_9	SLMM014_20210309_1_3
	
SLMM025_20210309_1_11	WLMM056_20210309_1_15
	
WLMM043_20210315_1_7	SLMM012_20210315_2_10
	
SLMM031_20210315_2_11	SLMM035_20210315_2_7

	
SLMM037_20210315_2_6	WLMM056_20210315_2_13
	
SLMM014_20210315_3_2	WLMM054_20210316_1_3
	
SLMM030_20210316_2_5	SLMM071_20210316_2_10
	
SLMM060_20210317_14_2	

**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>
25/Mar/21	Lung Kwu Chau	8:50	14:50	6:00	3	2-3	0	-
29/Mar/21	Sha Chau	10:51	16:51	6:00	3	1	0	-

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