

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

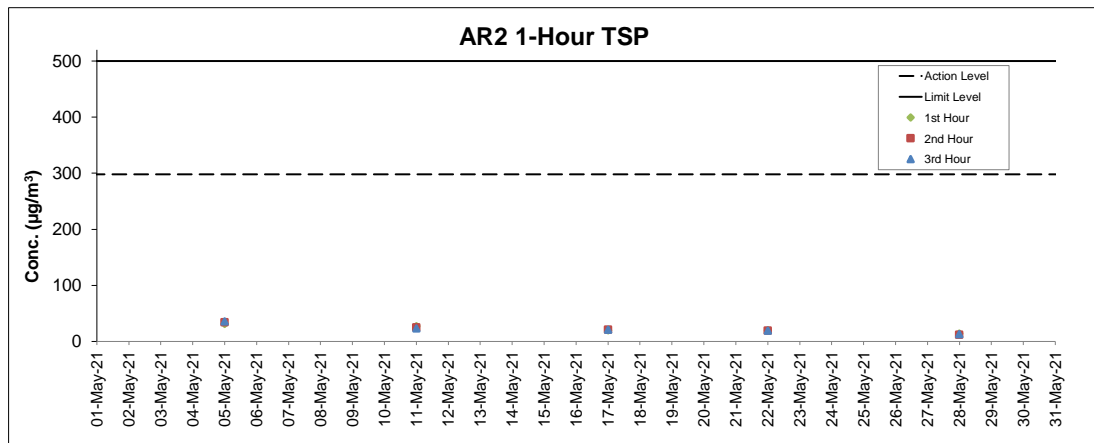
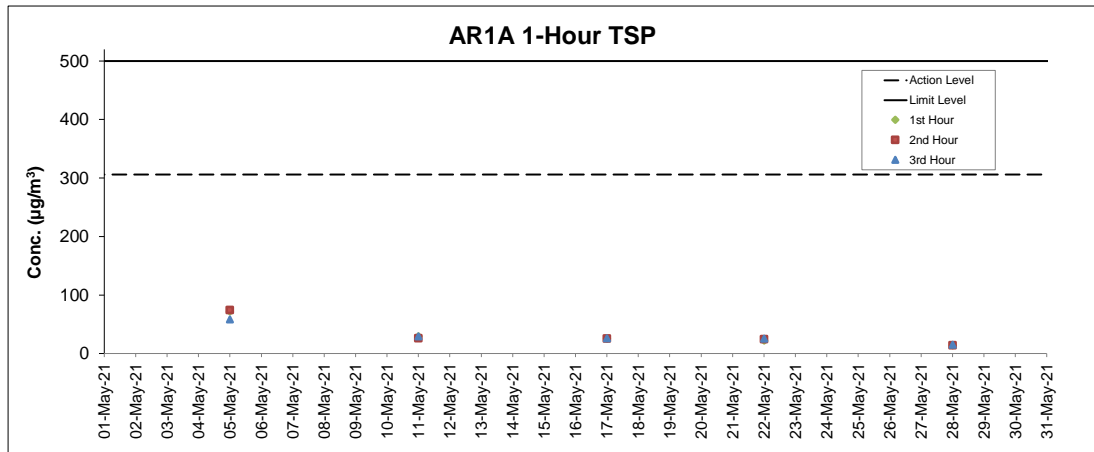
**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
5-May-21	9:30	Sunny	2.8	320	72	306	500
5-May-21	10:30	Sunny	2.2	312	74	306	500
5-May-21	11:30	Sunny	2.2	335	58	306	500
11-May-21	13:15	Sunny	5.8	209	29	306	500
11-May-21	14:15	Sunny	5.3	224	26	306	500
11-May-21	15:15	Sunny	5.0	214	29	306	500
17-May-21	13:22	Sunny	6.4	215	25	306	500
17-May-21	14:22	Sunny	5.0	195	25	306	500
17-May-21	15:22	Sunny	6.4	198	26	306	500
22-May-21	13:32	Sunny	6.1	146	22	306	500
22-May-21	14:32	Sunny	5.0	160	24	306	500
22-May-21	15:32	Sunny	5.8	164	25	306	500
28-May-21	13:15	Sunny	7.8	230	14	306	500
28-May-21	14:15	Sunny	8.9	230	14	306	500
28-May-21	15:15	Sunny	9.4	230	15	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 ( $\mu\text{g}/\text{m}^3$ )
5-May-21	13:40	Cloudy	4.2	264	31	298	500
5-May-21	14:40	Cloudy	4.2	253	34	298	500
5-May-21	15:40	Cloudy	3.3	260	36	298	500
11-May-21	9:14	Sunny	5.8	187	27	298	500
11-May-21	10:14	Sunny	6.4	198	25	298	500
11-May-21	11:14	Sunny	5.3	239	23	298	500
17-May-21	9:17	Sunny	4.2	219	20	298	500
17-May-21	10:17	Sunny	4.7	224	21	298	500
17-May-21	11:17	Sunny	5.6	196	21	298	500
22-May-21	9:24	Sunny	4.7	189	20	298	500
22-May-21	10:24	Sunny	5.8	206	19	298	500
22-May-21	11:24	Sunny	4.4	183	19	298	500
28-May-21	13:24	Sunny	7.5	233	14	298	500
28-May-21	14:24	Sunny	8.3	229	12	298	500
28-May-21	15:24	Sunny	9.4	231	13	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) ^
05-May-21	Sunny	12:12	74.6	51.3	71*
05-May-21	Sunny	12:17	77.0	56.1	
05-May-21	Sunny	12:22	76.5	54.0	
05-May-21	Sunny	12:27	76.5	54.0	
05-May-21	Sunny	12:32	73.3	59.7	
05-May-21	Sunny	12:37	75.6	55.6	
11-May-21	Sunny	14:07	69.7	64.8	70
11-May-21	Sunny	14:12	69.4	64.9	
11-May-21	Sunny	14:17	69.6	65.1	
11-May-21	Sunny	14:22	68.4	63.8	
11-May-21	Sunny	14:27	68.1	63.9	
11-May-21	Sunny	14:32	68.0	63.5	
17-May-21	Sunny	14:00	73.0	61.0	71
17-May-21	Sunny	14:05	68.8	60.4	
17-May-21	Sunny	14:10	68.0	60.2	
17-May-21	Sunny	14:15	73.9	63.5	
17-May-21	Sunny	14:20	73.6	63.9	
17-May-21	Sunny	14:25	69.5	60.5	
28-May-21	Sunny	13:30	78.3	68.2	<b><u>76*</u></b>
28-May-21	Sunny	13:35	77.3	63.2	
28-May-21	Sunny	13:40	76.1	61.0	
28-May-21	Sunny	13:45	78.3	63.6	
28-May-21	Sunny	13:50	77.1	61.6	
28-May-21	Sunny	13:55	76.5	60.8	

Remarks:

(^\*) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

(\*) The measurement result was corrected with reference to the baseline monitoring levels.

**Value exceeding Limit Level is bolded and underlined**

## 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) ^
04-May-21	Cloudy	13:07	61.2	58.3	63
04-May-21	Cloudy	13:12	62.8	58.5	
04-May-21	Cloudy	13:17	61.8	59.1	
04-May-21	Cloudy	13:22	60.5	58.1	
04-May-21	Cloudy	13:27	60.8	58.1	
04-May-21	Cloudy	13:32	61.0	58.1	
10-May-21	Sunny	14:14	60.7	55.6	60
10-May-21	Sunny	14:19	57.7	54.6	
10-May-21	Sunny	14:24	58.3	54.5	
10-May-21	Sunny	14:29	59.2	55.1	
10-May-21	Sunny	14:34	59.3	54.9	
10-May-21	Sunny	14:39	58.3	54.4	
20-May-21	Sunny	13:01	60.1	56.8	64
20-May-21	Sunny	13:06	58.6	56.5	
20-May-21	Sunny	13:11	59.5	57.0	
20-May-21	Sunny	13:16	60.0	57.2	
20-May-21	Sunny	13:21	61.9	57.6	
20-May-21	Sunny	13:26	63.4	57.5	
26-May-21	Sunny	13:16	61.0	56.8	66
26-May-21	Sunny	13:21	64.0	58.6	
26-May-21	Sunny	13:26	63.2	60.4	
26-May-21	Sunny	13:31	63.8	60.9	
26-May-21	Sunny	13:36	63.7	60.9	
26-May-21	Sunny	13:41	63.0	60.6	

Remarks:

(^\*) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

Limit Level at NM4 was reduced to 65 dB(A) during school examination period from 31 May to 4 June 2021.

## 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) ^
5-May-21	Cloudy	13:42	64.9	57.2	62*
5-May-21	Cloudy	13:47	64.3	55.8	
5-May-21	Cloudy	13:52	63.3	55.1	
5-May-21	Cloudy	13:57	57.1	50.8	
5-May-21	Cloudy	14:02	55.5	49.8	
5-May-21	Cloudy	14:07	56.0	52.1	
11-May-21	Sunny	09:29	57.0	48.9	58
11-May-21	Sunny	09:34	54.3	48.4	
11-May-21	Sunny	09:39	54.3	48.2	
11-May-21	Sunny	09:44	51.2	47.8	
11-May-21	Sunny	09:49	57.7	49.5	
11-May-21	Sunny	09:54	55.2	49.8	
17-May-21	Sunny	09:20	60.2	53.6	62*
17-May-21	Sunny	09:25	58.6	53.8	
17-May-21	Sunny	09:30	59.7	56.9	
17-May-21	Sunny	09:35	59.5	57.2	
17-May-21	Sunny	09:40	65.1	57.5	
17-May-21	Sunny	09:45	59.4	57.0	
28-May-21	Sunny	13:16	61.6	48.9	57*
28-May-21	Sunny	13:21	60.7	54.7	
28-May-21	Sunny	13:26	59.8	50.4	
28-May-21	Sunny	13:31	59.4	51.7	
28-May-21	Sunny	13:36	57.7	48.4	
28-May-21	Sunny	13:41	60.7	48.8	

Remarks:

(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

(\*) The measurement result was corrected with reference to the baseline monitoring levels.

## Noise Measurement Results

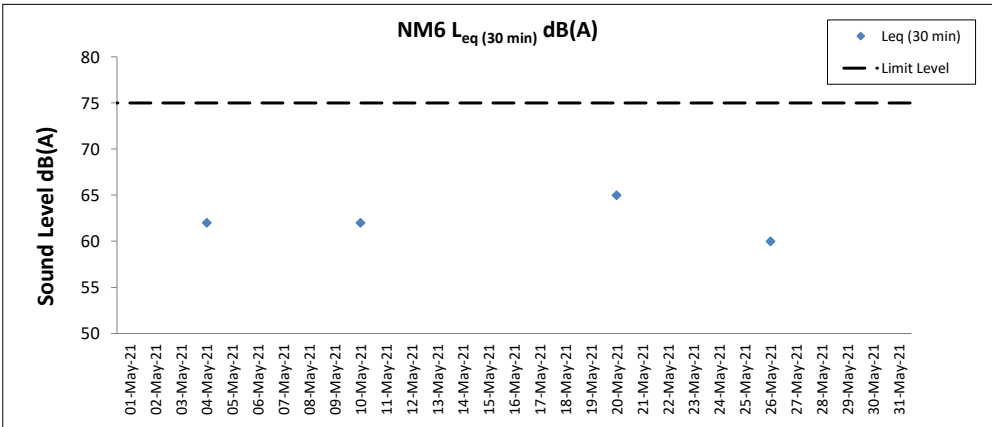
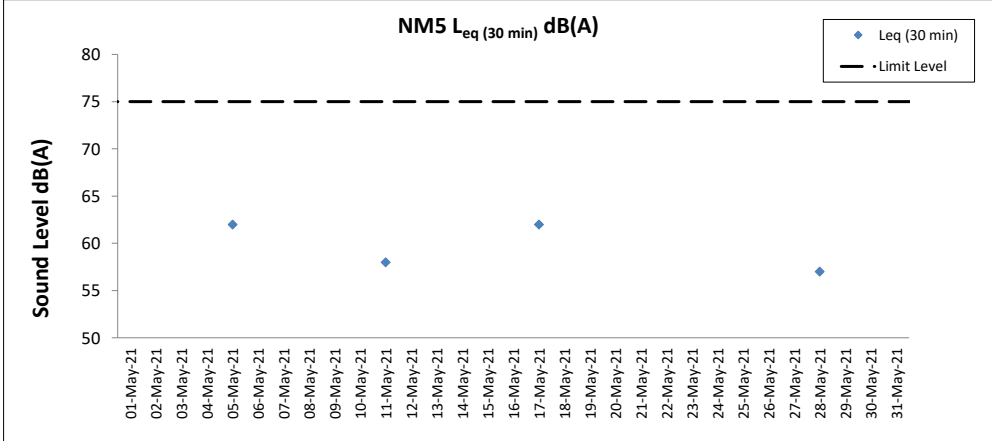
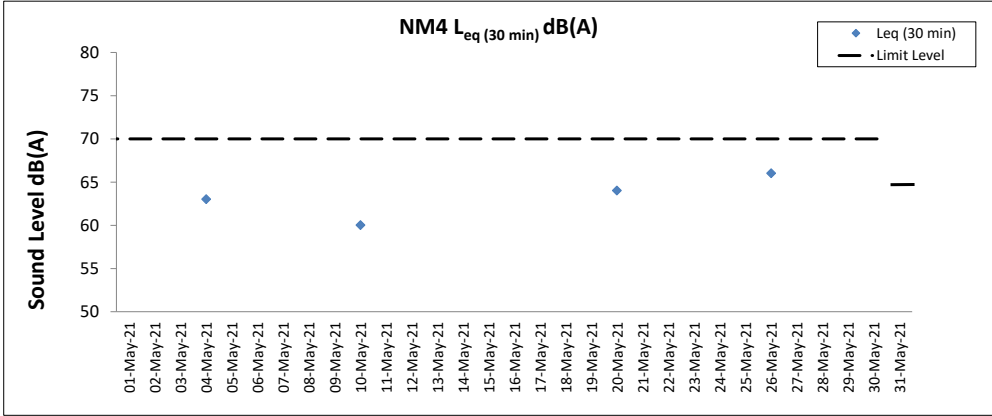
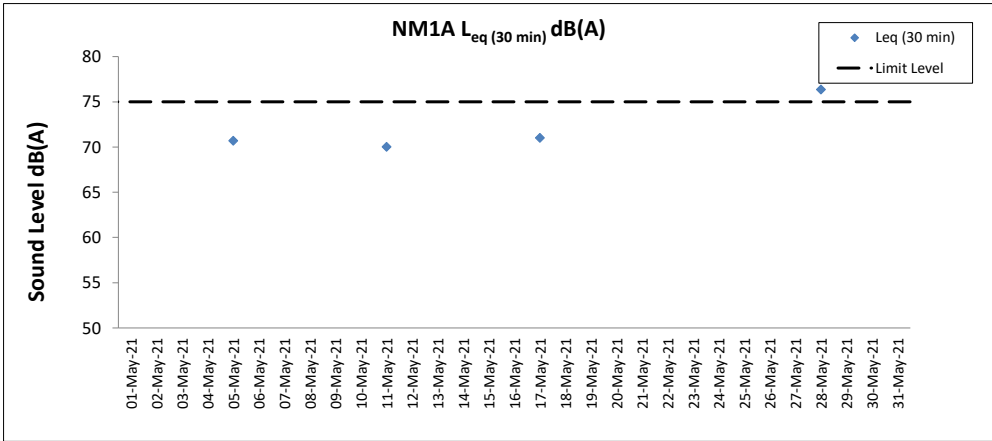
### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
4-May-21	Cloudy	15:44	59.9	49.1	62
4-May-21	Cloudy	15:49	63.6	54.5	
4-May-21	Cloudy	15:54	56.4	53.5	
4-May-21	Cloudy	15:59	56.0	53.5	
4-May-21	Cloudy	16:04	57.5	53.5	
4-May-21	Cloudy	16:09	65.1	54.0	
10-May-21	Sunny	15:41	65.9	48.9	62*
10-May-21	Sunny	15:46	59.5	45.6	
10-May-21	Sunny	15:51	75.9	48.9	
10-May-21	Sunny	15:56	56.5	46.3	
10-May-21	Sunny	16:01	60.6	47.5	
10-May-21	Sunny	16:06	69.3	46.5	
20-May-21	Cloudy	15:46	63.8	53.2	65
20-May-21	Cloudy	15:51	67.2	52.8	
20-May-21	Cloudy	15:56	62.3	53.2	
20-May-21	Cloudy	16:01	57.0	50.6	
20-May-21	Cloudy	16:06	57.3	50.4	
20-May-21	Cloudy	16:11	64.8	51.0	
26-May-21	Sunny	15:48	61.5	54.6	60
26-May-21	Sunny	15:53	59.2	54.2	
26-May-21	Sunny	15:58	62.8	54.7	
26-May-21	Sunny	16:03	57.2	51.3	
26-May-21	Sunny	16:08	56.5	49.2	
26-May-21	Sunny	16:13	54.4	48.6	

Remarks:

(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

(\*) The measurement result was corrected with reference to the baseline monitoring levels.



**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 01 May 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	15:40	9.1	Surface	1.0	2.2	281	25.6	25.6	8.2	8.2	30.7	30.7	109.8	109.8	7.6	7.6	3.0	3.0	5	5	84	84	87	815610	804246	<0.2	0.6	<0.2	0.6								
						1.0	2.3	288	25.5	25.5	8.2	8.2	30.7	30.7	7.6	7.6	3.0	3.0	4	4	84	84	<0.2	1.1				<0.2	1.1										
						4.6	2.4	278	24.7	24.7	8.2	8.2	31.8	31.8	104.9	104.9	7.3	7.3	4	4	87	87	<0.2	1.2				<0.2	1.2										
					Middle	4.6	2.4	290	24.6	24.6	8.2	8.2	31.9	31.8	104.9	104.9	7.3	7.3	4.3	4.1	5	5	87	87				<0.2	1.1	<0.2	1.1								
						8.1	2.6	277	24.4	24.4	8.2	8.2	32.4	32.3	100.6	100.7	7.0	7.0	5.1	5.1	5	5	90	90				<0.2	1.1	<0.2	1.1								
						8.1	2.8	289	24.5	24.5	8.2	8.2	32.3	32.3	100.8	100.8	7.0	7.0	5.2	5.2	6	6	89	89				<0.2	1.1	<0.2	1.1								
					C2	Fine	Moderate	14:26	11.5	Surface	1.0	0.2	135	25.5	25.5	8.1	8.1	22.6	22.6	94.1	94.1	6.8	6.8	3.9				3.9	5	5	85	85	88	825695	806958	<0.2	1.7	<0.2	1.8
											1.0	0.2	137	25.5	25.5	8.1	8.1	22.6	22.6	94.0	94.0	6.8	6.8	3.9				3.9	5	5	85	85				<0.2	1.7	<0.2	1.7
											5.8	0.5	154	25.0	25.0	8.1	8.1	26.6	26.6	88.5	88.5	6.3	6.3	16.8				13.6	5	5	87	87				<0.2	1.7	<0.2	1.8
Middle	5.8	0.5	156	25.0						25.0	8.1	8.1	26.6	26.6	88.5	88.5	6.3	6.3	16.4	13.6	5	5	87	87	<0.2	1.8	<0.2	1.8											
	10.5	0.5	144	24.9						24.9	8.1	8.1	28.0	28.0	86.2	86.2	6.1	6.1	20.2	13.6	4	4	91	91	<0.2	1.7	<0.2	1.7											
	10.5	0.5	144	24.9						24.9	8.1	8.1	28.0	28.0	86.2	86.2	6.1	6.1	20.5	13.6	5	5	90	90	<0.2	1.7	<0.2	1.7											
C3	Fine	Moderate	16:22	10.8						Surface	1.0	0.4	286	24.9	24.9	8.1	8.1	29.7	29.7	85.1	85.1	6.0	6.0	3.6	3.6	4	4	84	84	86	822126	817823				<0.2	1.0	<0.2	1.0
											1.0	0.4	303	24.9	24.9	8.1	8.1	29.7	29.7	85.1	85.1	6.0	6.0	3.6	3.6	4	4	84	84							<0.2	1.0	<0.2	1.0
											5.4	0.2	257	24.8	24.8	8.1	8.1	30.3	30.3	84.1	84.1	5.9	5.9	3.7	3.7	5	5	85	85							<0.2	1.3	<0.2	1.3
					Middle	5.4	0.2	264	24.8	24.8	8.1	8.1	30.3	30.3	84.1	84.1	5.9	5.9	3.7	3.7	5	5	85	85	<0.2	1.2	<0.2	1.2											
						9.8	0.1	120	24.6	24.6	8.1	8.1	30.9	30.9	83.1	83.1	5.8	5.8	3.7	3.7	5	5	88	88	<0.2	0.9	<0.2	0.9											
						9.8	0.1	121	24.6	24.6	8.1	8.1	31.0	30.9	83.1	83.1	5.8	5.8	3.7	3.7	6	6	88	88	<0.2	1.0	<0.2	1.0											
					IM1	Fine	Moderate	15:19	5.7	Surface	1.0	2.7	238	25.4	25.4	8.1	8.1	27.3	27.2	96.9	96.9	6.8	6.8	5.8	5.7	6	5	85	85				87	817945	807108	<0.2	1.1	<0.2	1.1
											1.0	2.7	248	25.4	25.4	8.1	8.1	27.2	27.2	96.9	96.9	6.8	6.8	5.7	5.7	5	5	85	85							<0.2	1.1	<0.2	1.1
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
	4.7	2.4	236	24.7						24.7	8.1	8.1	30.0	30.0	96.4	96.4	6.8	6.8	6.7	6.8	6.7	6.6	3	3	88	88	<0.2	1.2	<0.2	1.1									
	4.7	2.4	238	24.7						24.7	8.1	8.1	30.0	30.0	96.4	96.4	6.8	6.8	6.6	6.6	3	3	88	88	<0.2	1.1	<0.2	1.1											
IM2	Fine	Moderate	15:09	7.7						Surface	1.0	1.7	24	25.4	25.4	8.1	8.1	27.3	27.3	97.8	97.9	6.9	6.9	5.3	5.3	4	5	83	83	86	818184	806158				<0.2	1.1	<0.2	1.2
											1.0	1.7	24	25.4	25.4	8.1	8.1	27.3	27.3	97.9	97.9	6.9	6.9	5.3	5.3	5	5	83	83							<0.2	1.1	<0.2	1.1
											3.9	1.5	23	25.0	25.0	8.1	8.1	28.4	28.4	97.9	98.1	6.9	6.9	5.7	5.8	5	5	86	86							<0.2	1.1	<0.2	1.1
					Middle	3.9	1.6	25	25.0	25.0	8.1	8.1	28.4	28.4	98.2	98.1	6.9	6.9	5.6	5.8	4	5	86	86	<0.2	1.2	<0.2	1.2											
						6.7	1.6	28	24.6	24.6	8.2	8.2	30.9	30.9	98.9	99.0	6.9	6.9	6.5	6.9	5	5	89	89	<0.2	1.1	<0.2	1.1											
						6.7	1.8	30	24.6	24.6	8.2	8.2	30.9	30.9	99.0	99.0	6.9	6.9	6.3	6.9	5	5	89	89	<0.2	1.1	<0.2	1.1											
					IM3	Fine	Moderate	15:03	7.9	Surface	1.0	2.8	196	25.6	25.6	8.1	8.1	27.1	27.1	101.6	101.6	7.1	7.1	4.4	4.4	3	4	83	83				86	818807	805589	<0.2	1.1	<0.2	1.0
											1.0	2.8	205	25.6	25.6	8.1	8.1	27.2	27.1	101.6	101.6	7.1	7.1	4.4	4.4	4	4	83	83							<0.2	1.0	<0.2	1.0
											4.0	2.4	195	25.2	25.2	8.1	8.1	28.4	28.4	101.8	101.8	7.1	7.1	3.9	4.5	3	4	86	86							<0.2	1.1	<0.2	1.1
Middle	4.0	2.6	204	25.2						25.2	8.2	8.2	28.4	28.4	101.8	101.8	7.1	7.1	4.2	4.5	3	4	86	86	<0.2	1.1	<0.2	1.1											
	6.9	2.7	191	24.6						24.6	8.2	8.2	31.0	31.0	99.1	99.1	6.9	6.9	5.0	6.9	5	5	89	89	<0.2	1.7	<0.2	1.7											
	6.9	2.9	193	24.6						24.6	8.2	8.2	31.0	31.0	99.1	99.1	6.9	6.9	5.0	6.9	4	4	89	89	<0.2	1.7	<0.2	1.7											
IM4	Fine	Moderate	14:53	9.5						Surface	1.0	2.0	194	25.7	25.7	8.1	8.1	28.0	28.0	104.1	104.1	7.3	7.3	3.6	3.6	5	5	82	82	86	819717	804616				<0.2	1.6	<0.2	1.6
											1.0	2.0	196	25.7	25.7	8.1	8.1	28.0	28.0	104.1	104.1	7.3	7.3	3.6	3.6	6	6	82	82							<0.2	1.6	<0.2	1.6
											4.8	2.4	188	25.3	25.3	8.1	8.1	29.1	29.2	102.5	102.5	7.1	7.1	4.7	4.6	6	5	86	86							<0.2	1.0	<0.2	1.0
					Middle	4.8	2.6	196	25.3	25.3	8.1	8.1	29.2	29.2	102.5	102.5	7.1	7.1	4.7	4.6	5	5	86	86	<0.2	1.1	<0.2	1.1											
						8.5	2.5	185	24.6	24.6	8.1	8.1	31.0	31.0	98.9	98.9	6.9	6.9	5.4	6.9	5	5	89	89	<0.2	1.1	<0.2	1.1											
						8.5	2.7	186	24.6	24.6	8.1	8.1	31.0	31.0	98.9	98.9	6.9	6.9	5.5	6.9	4	4	88	88	<0.2	1.0	<0.2	1.0											
					IM5	Fine	Moderate	14:45	8.5	Surface	1.0	1.5	62	25.3	25.3	8.1	8.1	26.9	26.9	98.3	98.4	6.9	6.9	6.3	6.4	4	5	82	83				85	820752	804869	<0.2	1.7	<0.2	1.6
											1.0	1.6	63	25.3	25.3	8.1	8.1	26.8	26.9	98.4	98.4	6.9	6.9	6.4	6.9	5	5	83	83							<0.2	1.6	<0.2	1.6
											4.3	1.7	69	24.7	24.7	8.1	8.1	30.2	30.2	97.8	97.8	6.8	6.8	7.7	7.5	4	4	85	85							<0.2	1.4	<0.2	1.4
Middle	4.3	1.8	69	24.7						24.7	8.1	8.1	30.2	30.2	97.7	97.7	6.8	6.8	7.9	7.5	3	4	85	85	<0.2	1.6	<0.2	1.6											
	7.5	1.6	67	24.6						24.6	8.1	8.1	30.5	30.5	96.6	96.7	6.8	6.8	8.5	6.8	3	3	88	88	<0.2	1.6	<0.2	1.6											
	7.5	1.8	72	24.6						24.6	8.1	8.1	30.5	30.5	96.7	96.7	6.8	6.8	8.5	6.8	3	3	88	88	<0.2	1.5	<0.2	1.5											
IM6	Fine	Moderate	14:38	8.4						Surface	1.0	0.8	6	25.5	25.5	8.1	8.1	25.0	25.0	98.0	98.0	7.0	7.0	4.0	4.0	3	3	82	83	85	821056								



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

Water Quality Monitoring Results on 01 May 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	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
						Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Cloudy	Moderate	09:39	9.2	Surface	1.0	2.8	345	24.7	24.7	8.1	8.1	29.8	29.8	99.5	99.5	7.0	7.0	6.4	6.5	8	7	84	84			<0.2	1.1						
						1.0	3.0	350	24.7	8.1	8.1	29.8	29.8	99.5	99.5	7.0	7.0	6.5	6.5	7	7	84	84			<0.2	1.1							
						4.6	2.8	344	24.5	24.5	8.1	8.1	31.4	31.4	98.6	98.6	6.9	6.9	6.7	6.7	6	6	87	87			<0.2	1.2						
					4.6	3.0	2	24.5	24.5	8.1	8.1	31.4	31.4	98.6	98.6	6.9	6.9	6.8	6.8	5	5	87	87			<0.2	1.1							
					8.2	3.0	348	24.5	24.5	8.1	8.1	31.5	31.5	98.2	98.2	6.9	6.9	7.5	7.5	4	4	90	90			<0.2	1.2							
					8.2	3.1	12	24.5	24.5	8.2	8.2	31.5	31.5	98.2	98.2	6.9	6.9	7.6	7.6	5	5	90	90			<0.2	1.1							
C2	Fine	Moderate	10:42	12.6	Surface	1.0	0.3	350	25.2	25.2	8.1	8.1	25.6	25.6	88.0	88.0	6.3	6.3	3.8	3.8	4	4	86	86			<0.2	1.6						
						1.0	0.3	322	25.2	25.2	8.1	8.1	25.6	25.6	87.9	87.9	6.3	6.3	3.8	3.8	5	5	86	86			<0.2	1.6						
						6.3	0.4	28	24.9	24.9	8.1	8.1	27.2	27.2	84.8	84.8	6.0	6.0	8.0	8.0	4	4	88	88			<0.2	1.7						
					6.3	0.4	29	24.9	24.9	8.1	8.1	27.2	27.2	84.8	84.8	6.0	6.0	7.9	7.9	4	4	89	89			<0.2	1.7							
					11.6	0.4	346	24.9	24.9	8.1	8.1	27.6	27.6	82.3	82.3	5.8	5.8	18.0	18.0	4	4	91	91			<0.2	1.7							
					11.6	0.4	318	24.9	24.9	8.1	8.1	27.6	27.6	82.1	82.1	5.8	5.8	17.8	17.8	4	4	90	90			<0.2	1.6							
C3	Fine	Moderate	08:42	12.1	Surface	1.0	0.3	241	25.1	25.1	8.1	8.1	27.2	27.2	86.0	86.0	6.1	6.1	3.4	3.4	3	3	84	84			<0.2	1.5						
						1.0	0.3	261	25.1	25.1	8.1	8.1	27.2	27.2	85.9	85.9	6.1	6.1	3.4	3.4	2	2	84	84			<0.2	1.4						
						6.1	0.4	252	24.8	24.8	8.1	8.1	29.3	29.3	83.8	83.8	5.9	5.9	4.4	4.4	2	2	89	89			<0.2	1.3						
					6.1	0.4	257	24.8	24.8	8.1	8.1	29.3	29.3	83.8	83.8	5.9	5.9	4.3	4.3	3	3	89	89			<0.2	1.4							
					11.1	0.4	266	24.6	24.6	8.1	8.1	31.0	31.0	82.7	82.7	5.8	5.8	13.1	13.1	3	3	89	89			<0.2	1.4							
					11.1	0.4	288	24.6	24.6	8.1	8.1	31.0	31.0	82.8	82.8	5.8	5.8	12.9	12.9	2	2	90	90			<0.2	1.4							
IM1	Fine	Moderate	09:58	5.8	Surface	1.0	2.3	201	25.0	25.0	8.0	8.0	27.0	27.0	94.3	94.3	6.7	6.7	5.3	5.3	5	5	85	85			<0.2	1.2						
						1.0	2.5	220	25.0	25.0	8.0	8.0	26.9	26.9	94.3	94.3	6.7	6.7	5.2	5.2	4	4	85	85			<0.2	1.2						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.8	2.1	202	24.9	24.9	8.0	8.0	27.6	27.6	92.4	92.4	6.5	6.5	6.3	6.3	6	6	88	88			<0.2	1.1							
					4.8	2.3	219	24.9	24.9	8.0	8.0	27.7	27.7	92.4	92.4	6.5	6.5	6.5	6.5	5	5	88	88			<0.2	1.2							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Moderate	10:05	7.7	Surface	1.0	1.7	191	25.0	25.0	8.1	8.1	27.1	27.1	96.6	96.6	6.8	6.8	4.4	4.4	7	7	83	83			<0.2	1.1						
						1.0	1.7	191	25.0	25.0	8.1	8.1	27.1	27.1	96.6	96.6	6.8	6.8	4.4	4.4	6	6	83	83			<0.2	1.1						
						3.9	1.5	189	24.9	24.9	8.1	8.1	28.2	28.2	92.3	92.3	6.5	6.5	4.8	4.8	5	5	86	86			<0.2	1.2						
					3.9	1.5	197	24.9	24.9	8.1	8.1	28.2	28.2	92.4	92.4	6.5	6.5	5.0	5.0	4	4	86	86			<0.2	1.2							
					6.7	1.7	187	24.9	24.9	8.1	8.1	28.4	28.4	91.8	91.8	6.5	6.5	5.4	5.4	4	4	89	89			<0.2	1.2							
					6.7	1.9	203	24.9	24.9	8.1	8.1	28.4	28.4	91.9	91.9	6.5	6.5	5.4	5.4	4	4	89	89			<0.2	1.1							
IM3	Fine	Moderate	10:12	8.0	Surface	1.0	2.6	14	25.0	25.0	8.1	8.1	26.9	26.9	97.3	97.3	6.9	6.9	4.0	4.0	3	3	83	83			<0.2	1.2						
						1.0	2.7	15	25.0	25.0	8.1	8.1	26.9	26.9	97.2	97.2	6.9	6.9	4.1	4.1	4	4	83	83			<0.2	1.2						
						4.0	2.3	12	24.8	24.8	8.1	8.1	29.0	29.0	94.1	94.1	6.6	6.6	4.4	4.4	3	3	86	86			<0.2	1.1						
					4.0	2.5	12	24.8	24.8	8.1	8.1	29.0	29.0	94.2	94.2	6.6	6.6	4.4	4.4	3	3	86	86			<0.2	1.1							
					7.0	2.4	16	24.8	24.8	8.1	8.1	29.4	29.4	95.0	95.0	6.7	6.7	5.6	5.6	3	3	88	88			<0.2	1.2							
					7.0	2.6	16	24.8	24.8	8.1	8.1	29.4	29.4	95.0	95.0	6.7	6.7	5.5	5.5	3	3	88	88			<0.2	1.2							
IM4	Fine	Moderate	10:21	9.3	Surface	1.0	1.8	254	25.5	25.5	8.1	8.1	26.5	26.5	100.4	100.5	7.1	7.1	3.4	3.4	2	2	83	83			<0.2	1.2						
						1.0	2.0	263	25.5	25.5	8.1	8.1	26.5	26.5	100.5	100.5	7.1	7.1	3.4	3.4	2	2	83	83			<0.2	1.2						
						4.7	2.0	244	25.0	25.0	8.1	8.1	27.9	27.9	98.1	98.1	6.9	6.9	3.9	3.9	4	4	85	85			<0.2	1.1						
					4.7	2.2	251	25.0	25.0	8.1	8.1	27.9	27.9	98.1	98.1	6.9	6.9	3.9	3.9	3	3	86	86			<0.2	1.2							
					8.3	1.9	252	24.7	24.7	8.1	8.1	29.9	29.9	95.4	95.4	6.7	6.7	4.5	4.5	3	3	88	88			<0.2	1.2							
					8.3	2.1	263	24.7	24.7	8.1	8.1	29.9	29.9	95.4	95.4	6.7	6.7	4.4	4.4	4	4	88	88			<0.2	1.2							
IM5	Fine	Moderate	10:28	8.2	Surface	1.0	3.2	349	24.9	24.9	8.1	8.1	28.1	28.0	95.4	95.4	6.7	6.7	13.0	13.0	3	3	83	83			<0.2	1.2						
						1.0	3.2	321	24.9	24.9	8.1	8.1	28.0	28.0	95.4	95.4	6.7	6.7	13.0	13.0	4	4	83	83			<0.2	1.2						
						4.1	3.3	345	24.9	24.9	8.1	8.1	28.3	28.2	94.6	94.6	6.7	6.7	14.3	14.3	3	3	86	86			<0.2	1.1						
					4.1	3.4	357	24.9	24.9	8.1	8.1	28.2	28.2	94.6	94.6	6.7	6.7	14.4	14.4	4	4	86	86			<0.2	1.1							
					7.2	3.2	339	24.9	24.9	8.1	8.1	28.5	28.5	93.9	93.9	6.6	6.6	15.8	15.8	5	5	89	89			<0.2	1.2							
					7.2	3.5	347	24.9	24.9	8.1	8.1	28.5	28.5	93.9	93.9	6.6	6.6	16.0	16.0	6	6	89	89			<0.2	1.2							
IM6	Fine	Moderate	10:36	8.3	Surface	1.0	2.5	221	25.2	25.2	8.1	8.1	25.1	25.1	95.6	95.6	6.8	6.8	4.2	4.2	5	5	84	84			<0.2	1.5						
						1.0	2.5	236	25.2	25.2	8.1	8.1	25.2	25.2	95.5	95.5	6.8	6.8	4.3	4.3	4	4	83	83			<0.2	1.5						
						4.2	2.3	219	25.1	25.1	8.1	8.1	25.8	25.8	94.5	94.5	6.7	6.7	5.6	5.6	3	3	86	86			<0.2	1.5						
					4.2	2.4	219	25.1	25.1	8.1	8.1	25.8	25.8	94.5	94.5	6.7	6.7	5.7	5.7	4	4	86	86			<0.2	1.5							
					7.3	2.7	216	24.9	24.9	8.1	8.1	27.2	27.2	91.2	91.2	6.5	6.5	7.5	7.5	3	3	89	89			<0.2	1.6							
					7.3	2.7	226	24.9	24.9	8.1	8.1	27.3	27.2	91.1	91.1	6.5	6.5	7.3	7.3	4	4	89	89			<0.2	1.6							
IM7	Fine	Moderate	10:45	9.2	Surface	1.0	0.0	0	25.4	25.4	8.1	8.1	24.9	24.9	96.1	96.0	6.8	6.8	3.9	3.9	3	3	84	84			<0.2	1.8						
						1.0	0.0	0	25.4	25.4	8.1	8.1	25.0	25.0	95.8	95.8	6.8	6.8	4.0	4.0	3	3	83	83			<0.2	1.9						
						4.6	0.2	134	25.0	25.0	8.1	8.1	26.3	26.3	93.4	93.3	6.7	6.7	4.3	4.3	3	3	86	86			&							

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

Water Quality Monitoring Results on 01 May 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	Fine	Moderate	10:10	8.2	Surface	1.0	0.2	103	25.2	25.2	8.1	8.1	26.2	26.2	83.8	83.8	6.0	5.9	7.8	6	83	86	822108	808831	<0.2	1.4	<0.2	1.5									
						1.0	0.2	104	25.2	8.1	8.1	26.2	26.2	83.8	83.8	5.9	5.9	7.8	6	83	86	822108	808831	<0.2	1.6												
						4.1	0.2	137	25.2	8.1	8.1	26.4	26.4	83.2	83.2	5.9	5.9	10.9	4	86	86	822108	808831	<0.2	1.4												
					Middle	4.1	0.2	145	25.2	8.1	8.1	26.4	26.4	83.2	83.2	5.9	5.9	10.9	5	87	5	86	86	822108	808831	<0.2			1.3								
						7.2	0.2	132	25.2	8.0	8.0	26.5	26.5	83.5	83.5	5.9	5.9	14.2	4	90	4	86	86	822108	808831	<0.2			1.5								
						7.2	0.2	138	25.2	8.0	8.0	26.5	26.5	83.6	83.6	5.9	5.9	14.0	5	89	5	86	86	822108	808831	<0.2			1.5								
					IM10	Fine	Moderate	10:02	8.8	Surface	1.0	0.8	298	25.3	25.3	8.0	8.0	25.9	25.9	87.1	87.1	6.2	6.0	3.7	3	82			86	822408	809805	<0.2	1.2	<0.2	1.4		
											1.0	0.9	318	25.3	8.0	8.0	25.9	25.9	87.0	87.0	6.2	6.0	3.7	4	81	3			82	86	822408	809805	<0.2			1.3	
											4.4	0.6	296	25.0	8.0	8.0	27.7	27.7	82.5	82.5	5.8	5.8	11.3	3	82	3			82	86	822408	809805	<0.2			1.5	
Middle	4.4	0.6	325	25.0						8.0	8.0	27.7	27.7	82.4	82.4	5.8	5.8	11.5	2	83	2	83	86	822408	809805	<0.2	1.3										
	7.8	0.5	296	25.0						8.0	8.0	27.8	27.8	82.3	82.3	5.8	5.8	18.1	2	93	2	83	86	822408	809805	<0.2	1.4										
	7.8	0.5	302	25.0						8.0	8.0	27.8	27.8	82.3	82.3	5.8	5.8	18.0	2	93	2	83	86	822408	809805	<0.2	1.4										
IM11	Fine	Moderate	09:53	8.6						Surface	1.0	0.8	312	25.3	25.3	8.0	8.0	26.2	26.2	88.0	88.0	6.2	6.0	3.6	3	82	86	822058	811454	<0.2	1.2	<0.2	1.3				
											1.0	0.9	319	25.3	8.0	8.0	26.2	26.2	87.9	87.9	6.2	6.0	3.7	2	82	3	82	86	822058	811454	<0.2					1.3	
											4.3	0.8	310	25.0	8.0	8.0	28.1	28.1	82.2	82.2	5.8	5.8	12.3	3	87	3	82	86	822058	811454	<0.2					1.3	
					Middle	4.3	0.8	313	25.0	8.0	8.0	28.1	28.1	82.2	82.2	5.8	5.8	12.5	2	87	2	87	86	822058	811454	<0.2	1.3										
						7.6	0.5	318	24.9	8.0	8.0	28.5	28.5	81.5	81.5	5.7	5.7	19.9	4	90	4	87	86	822058	811454	<0.2	1.3										
						7.6	0.5	340	24.9	8.0	8.0	28.5	28.5	81.5	81.5	5.7	5.7	20.0	3	89	3	87	86	822058	811454	<0.2	1.3										
					IM12	Fine	Moderate	09:47	9.1	Surface	1.0	0.9	300	25.2	25.2	8.0	8.0	27.3	27.3	86.3	86.3	6.1	6.1	3.6	5	85	89	821478	812029	<0.2	1.2			<0.2	1.3		
											1.0	0.9	306	25.2	8.0	8.0	27.3	27.3	86.3	86.3	6.1	6.1	3.6	4	85	4	85	89	821478	812029	<0.2					1.3	
											4.6	0.9	304	25.2	8.0	8.0	27.6	27.6	85.3	85.3	6.0	6.0	5.4	5	89	5	89	89	821478	812029	<0.2					1.3	
Middle	4.6	0.9	314	25.2						8.0	8.0	27.6	27.6	85.3	85.3	6.0	6.0	5.7	4	90	4	90	89	821478	812029	<0.2	1.3										
	8.1	0.6	313	25.0						8.0	8.0	28.4	28.4	83.6	83.6	5.9	5.9	19.9	4	91	4	91	89	821478	812029	<0.2	1.4										
	8.1	0.6	316	25.0						8.0	8.0	28.4	28.4	83.7	83.7	5.9	5.9	20.1	3	92	3	92	89	821478	812029	<0.2	1.3										
SR1A	Fine	Moderate	09:16	5.1						Surface	1.0	-	-	25.3	25.3	8.0	8.0	26.1	26.1	85.6	85.6	6.1	6.1	3.1	4	-	-	819972	812665	-	-	-	-				
											1.0	-	-	25.3	25.3	8.0	8.0	26.1	26.1	85.6	85.6	6.1	6.1	3.1	5	-	-	-	-	819972	812665					-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						4.1	-	-	25.1	25.1	8.0	8.0	27.1	27.1	82.9	83.0	5.9	5.9	4.1	3	-	-	-	-	-	-	-	-	-	-							
						4.1	-	-	25.1	25.1	8.0	8.0	27.1	27.1	83.1	83.0	5.9	5.9	4.1	3	-	-	-	-	-	-	-	-	-	-							
					SR2	Fine	Moderate	09:02	4.3	Surface	1.0	0.2	96	25.1	25.1	8.0	8.0	27.9	27.9	83.4	83.4	5.9	5.9	6.2	4	85	86	821477	814183	<0.2	1.4			<0.2	1.3		
											1.0	0.2	97	25.0	25.0	8.0	8.0	27.9	27.9	83.4	83.4	5.9	5.9	6.2	4	85	4	85	86	821477	814183					<0.2	1.2
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.3	0.2	84	25.0						25.0	8.0	8.0	28.3	28.3	83.3	83.4	5.9	5.9	9.3	4	88	4	88	86	821477	814183	<0.2	1.3									
	3.3	0.2	88	25.0						25.0	8.0	8.0	28.3	28.3	83.4	83.4	5.9	5.9	9.4	5	87	5	87	86	821477	814183	<0.2	1.3									
SR3	Fine	Moderate	10:22	9.9						Surface	1.0	0.1	351	25.1	25.2	8.0	8.0	25.6	25.6	88.4	88.5	6.3	6.2	3.7	4	-	-	822164	807554	-	-	-	-				
											1.0	0.1	323	25.2	25.0	8.0	8.0	25.6	25.6	88.5	88.5	6.3	6.2	3.7	5	-	-	-	-	822164	807554					-	-
											5.0	0.1	32	25.0	25.0	8.0	8.0	26.4	26.4	85.9	85.9	6.1	6.1	4.5	5	-	-	-	-	822164	807554					-	-
					Middle	5.0	0.1	32	25.0	25.0	8.0	8.0	26.4	26.4	85.9	85.9	6.1	6.1	4.5	4	-	-	-	-	822164	807554	-	-									
						8.9	0.2	96	24.9	24.9	8.1	8.1	27.6	27.6	84.5	84.6	6.0	6.0	10.2	6	-	-	-	-	822164	807554	-	-									
						8.9	0.2	99	24.9	24.9	8.1	8.1	27.6	27.6	84.6	84.6	6.0	6.0	10.4	5	-	-	-	-	822164	807554	-	-									
					SR4A	Cloudy	Calm	09:16	9.8	Surface	1.0	2.1	76	24.9	24.9	8.0	8.0	26.8	26.8	92.3	92.3	6.6	6.5	5.8	4	-	-	817171	807824	-	-			-	-		
											1.0	2.2	78	24.9	24.9	8.0	8.0	26.8	26.8	92.2	92.3	6.6	6.5	5.7	3	-	-	-	-	817171	807824					-	-
											4.9	2.6	77	24.9	24.9	8.0	8.0	27.2	27.2	89.9	89.9	6.4	6.4	7.0	5	-	-	-	-	817171	807824					-	-
Middle	4.9	2.6	77	24.9						24.9	8.0	8.0	27.2	27.2	89.8	89.9	6.4	6.4	7.0	4	-	-	-	-	817171	807824	-	-									
	8.8	2.4	75	24.9						24.9	8.1	8.1	27.7	27.7	89.1	89.2	6.3	6.3	7.8	6	-	-	-	-	817171	807824	-	-									
	8.8	2.6	77	24.9						24.9	8.1	8.1	27.7	27.7	89.2	89.2	6.3	6.3	7.8	6	-	-	-	-	817171	807824	-	-									
SR5A	Fine	Calm	08:58	3.3						Surface	1.0	0.1	280	25.0	25.0	8.0	8.0	27.6	27.6	91.1	91.0	6.4	6.4	5.0	4	-	-	816575	810718	-	-	-	-				
											1.0	0.1	297	25.0	25.0	8.0	8.0	27.6	27.6	90.8	91.0	6.4	6.4	5.1	5	-	-	-	-	816575	810718					-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						2.3	0.1	276	25.0	25.0	8.0	8.0	27.8	27.8	89.7	89.7	6.3	6.3	6.1	3	-	-	-	-	816575	810718	-	-									
						2.3	0.1	291	25.0	25.0	8.0	8.0																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 May 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	Calm	18:42	8.4	Surface	1.0	2.0	99	25.3	25.3	8.1	8.1	24.9	24.9	96.6	96.3	6.9	6.8	3.5	5.8	4	3	88	91	815643	804255	<0.2	1.2	<0.2	1.3							
						2.0	103	25.2	8.1	24.9	24.9	96.0	93.9	6.9	6.6	3.4	3	88	91	<0.2	1.3	<0.2	1.3														
						4.2	1.9	94	25.1	8.1	8.1	28.9	28.9	94.0	93.8	6.6	6.6	6.1	3	91	92	<0.2	1.2	<0.2			1.2										
					Middle	4.2	1.9	100	25.1	8.1	8.1	29.0	29.1	93.8	93.8	6.6	6.6	6.2	3	92	93	<0.2	1.2	<0.2			1.3										
						7.4	2.0	98	25.1	8.1	8.1	29.1	29.1	93.7	93.8	6.6	6.6	7.9	3	93	93	<0.2	1.2	<0.2			1.3										
						7.4	2.2	107	25.1	8.1	8.1	29.1	29.1	93.8	93.8	6.6	6.6	7.9	2	93	93	<0.2	1.2	<0.2			1.3										
					C2	Fine	Moderate	17:44	11.9	Surface	1.0	0.5	143	25.4	25.4	8.1	8.1	24.2	24.2	88.2	88.1	6.3	6.0	3.4			4.2	6	5	84	88	825662	806958	<0.2	1.7	<0.2	1.6
											1.0	0.5	148	25.4	25.4	8.1	8.1	24.2	24.2	88.0	80.9	6.3	6.0	3.5			5	85	88	<0.2	1.6			<0.2	1.8		
											6.0	0.5	133	25.1	25.1	8.1	8.1	28.5	28.6	81.0	80.7	5.7	5.7	4.4			4	88	88	<0.2	1.8			<0.2	1.6		
Middle	6.0	0.5	139	25.1						25.1	8.1	8.1	28.7	29.7	80.7	80.0	5.7	5.6	4.5	5	88	92	<0.2	1.6	<0.2	1.6											
	10.9	0.4	165	25.0						25.0	8.1	8.1	29.7	29.7	80.0	80.1	5.6	5.6	4.8	5	92	91	<0.2	1.6	<0.2	1.6											
	10.9	0.4	173	25.0						25.0	8.1	8.1	29.7	29.7	80.1	80.1	5.6	5.6	4.6	4	91	91	<0.2	1.6	<0.2	1.6											
C3	Fine	Moderate	19:31	12.2						Surface	1.0	0.6	123	25.3	25.3	8.1	8.1	28.8	28.8	87.4	87.3	6.1	6.1	3.1	2.9	2	3	89	90	822121	817783			<0.2	1.9	<0.2	1.9
											1.0	0.6	132	25.2	25.2	8.1	8.1	28.9	29.4	87.1	86.5	6.1	6.0	2.9	3	88	90	<0.2	1.8					<0.2	1.8		
											6.1	0.4	121	25.1	25.1	8.1	8.1	29.4	29.4	86.5	86.5	6.0	6.0	2.5	3	90	90	<0.2	1.9					<0.2	1.9		
					Middle	6.1	0.4	125	25.1	25.1	8.1	8.1	29.4	29.4	86.5	86.5	6.0	6.0	2.5	3	90	93	<0.2	1.7	<0.2	1.8											
						11.2	0.3	109	24.7	24.8	8.1	8.1	31.4	31.4	84.9	85.2	5.9	5.9	3.4	3	93	93	<0.2	1.7	<0.2	1.8											
						11.2	0.3	110	24.8	24.8	8.1	8.1	31.4	31.4	85.4	85.4	5.9	5.9	3.0	3	93	93	<0.2	1.7	<0.2	1.8											
					IM1	Fine	Calm	18:24	5.2	Surface	1.0	0.2	190	25.3	25.3	8.1	8.1	25.0	25.0	97.2	97.0	6.9	6.9	2.5	3.0	3	4	88	87			817970	807113	<0.2	1.2	<0.2	1.1
											1.0	0.2	199	25.2	25.2	8.1	8.1	25.0	25.0	96.8	96.8	6.9	6.9	2.5	4	87	87	<0.2	1.1					<0.2	1.1		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
	4.2	0.1	186	25.2						25.2	8.1	8.1	28.7	28.7	97.0	97.2	6.8	6.8	3.4	3	87	87	<0.2	1.2	<0.2	1.2											
	4.2	0.1	198	25.2						25.2	8.1	8.1	28.7	28.7	97.4	97.4	6.8	6.8	3.5	4	87	87	<0.2	1.2	<0.2	1.2											
IM2	Fine	Calm	18:19	7.0						Surface	1.0	2.3	303	25.2	25.2	8.1	8.1	25.0	25.0	96.7	96.5	6.9	6.8	3.3	4.5	3	4	87	91	818152	806155			<0.2	1.2	<0.2	1.1
											1.0	2.5	310	25.2	25.2	8.1	8.1	25.0	25.0	96.3	95.1	6.9	6.7	3.4	4	87	91	<0.2	1.1					<0.2	1.1		
											3.5	2.5	301	25.1	25.1	8.1	8.1	28.7	28.7	95.1	95.1	6.7	6.7	4.8	4	91	92	<0.2	1.1					<0.2	1.1		
					Middle	3.5	2.7	315	25.1	25.1	8.1	8.1	28.8	28.7	95.0	95.0	6.7	6.7	4.8	4	92	92	<0.2	1.1	<0.2	1.1											
						6.0	2.3	298	25.1	25.1	8.1	8.1	29.0	29.0	95.2	95.4	6.7	6.7	5.3	4	92	93	<0.2	1.1	<0.2	1.1											
						6.0	2.4	313	25.1	25.1	8.1	8.1	29.0	29.0	95.6	95.6	6.7	6.7	5.3	4	93	93	<0.2	1.0	<0.2	1.0											
					IM3	Fine	Calm	18:14	7.4	Surface	1.0	1.6	276	25.3	25.3	8.1	8.1	25.0	25.0	97.1	96.9	6.9	6.8	3.1	4.6	5	4	89	91			818799	805604	<0.2	1.1	<0.2	1.0
											1.0	1.8	300	25.2	25.2	8.1	8.1	25.0	25.0	96.6	96.9	6.9	6.8	3.1	5	89	92	<0.2	1.2					<0.2	1.2		
											3.7	1.7	260	25.1	25.1	8.1	8.1	28.7	28.8	95.4	95.3	6.7	6.7	5.1	4	92	92	<0.2	1.2					<0.2	1.2		
Middle	3.7	1.8	275	25.1						25.1	8.1	8.1	28.8	28.8	95.2	95.2	6.7	6.7	5.1	5	92	93	<0.2	1.2	<0.2	1.2											
	6.4	1.8	274	25.1						25.1	8.1	8.1	29.0	29.0	95.4	95.5	6.7	6.7	5.7	4	93	93	<0.2	1.2	<0.2	1.2											
	6.4	1.8	275	25.1						25.1	8.1	8.1	29.0	29.0	95.6	95.6	6.7	6.7	5.7	3	93	93	<0.2	1.1	<0.2	1.1											
IM4	Fine	Calm	18:08	8.6						Surface	1.0	2.2	231	25.4	25.4	8.1	8.1	24.8	24.8	98.6	98.6	7.0	6.9	3.0	4.4	3	3	88	91	819723	804592			<0.2	1.2	<0.2	1.1
											1.0	2.3	253	25.4	25.4	8.1	8.1	24.8	28.8	98.5	95.1	7.0	6.7	3.0	4	89	91	<0.2	1.3					<0.2	1.1		
											4.3	2.3	245	25.1	25.1	8.1	8.1	28.8	28.8	95.2	95.1	6.7	6.7	4.4	4	91	91	<0.2	1.1					<0.2	1.1		
					Middle	4.3	2.5	251	25.1	25.1	8.1	8.1	28.8	28.8	95.0	94.8	6.7	6.7	4.5	3	91	93	<0.2	1.1	<0.2	1.1											
						7.6	2.1	254	25.1	25.1	8.1	8.1	29.0	29.0	94.5	94.6	6.6	6.6	5.7	3	93	93	<0.2	1.1	<0.2	1.1											
						7.6	2.2	269	25.1	25.1	8.1	8.1	29.0	29.0	94.6	94.6	6.6	6.6	5.6	4	93	93	<0.2	1.2	<0.2	1.2											
					IM5	Fine	Calm	18:03	8.0	Surface	1.0	2.0	254	25.3	25.3	8.1	8.1	25.5	25.6	96.2	96.0	6.8	6.8	2.2	4.5	3	4	91	92			820720	804869	<0.2	1.2	<0.2	1.1
											1.0	2.0	256	25.2	25.2	8.1	8.1	25.8	26.7	95.7	94.9	6.8	6.8	2.2	3	91	91	<0.2	1.1					<0.2	1.1		
											4.0	2.3	266	25.1	25.1	8.1	8.1	26.6	26.7	95.0	94.8	6.7	6.7	5.5	3	91	91	<0.2	1.2					<0.2	1.2		
Middle	4.0	2.4	276	25.1						25.1	8.1	8.1	26.7	26.7	94.8	94.8	6.7	6.7	5.5	4	91	93	<0.2	1.1	<0.2	1.1											
	7.0	2.1	276	25.1						25.1	8.1	8.1	29.0	29.0	94.7	94.8	6.6	6.6	5.9	4	93	93	<0.2	1.2	<0.2	1.2											
	7.0	2.2	287	25.1						25.1	8.1	8.1	29.0	29.0	94.8	94.8	6.6	6.6	6.0	5	93	93	<0.2	1.1	<0.2	1.1											
IM6	Fine	Calm	17:58	7.8						Surface	1.0	1.4	111	25.5	25.5	8.1	8.1	24.7	24.7	98.9	98.9	7.0	6.9	2.9	5.0	3	3	88	90	821038	805816			<0.2	1.2	<0.2	1.1
											1.0	1.4	118	25.5	25.5	8.1	8.1	24.8	28.2	98.8	94.6	7.0	6.7	3.0	3	88	90	<0.2	1.1					<0.2	1.1		
											3.9	1.6	128	25.1	25.1	8.1	8.1	28.4	28.2	94.8	94.7	6.7	6.7	4.9	3	90	90	<0.2	1.1					<0.2	1.1		
					Middle	3.9	1.7	139	25.1	25.1	8.1	8.1	28.1	29.0	94.6	94.1	6.7	6.6	4.9	3	90	92	<0.2	1.1	<0.2	1.1											
						6.8	1.7	122	25.1	25.1	8.1	8.1	29.0	29.0	94.1	94.1	6.6																				

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

Water Quality Monitoring Results on 04 May 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				
IM9	Fine	Moderate	18:13	7.6	Surface	1.0	0.4	142	25.4	25.4	8.1	8.1	25.7	25.7	88.1	88.0	6.2	6.2	3.5	3	83	87	822106	808809	<0.2	1.7	<0.2	1.8					
						1.0	0.4	153	25.4	25.4	8.1	8.1	25.8	25.8	87.9	88.0	6.2	6.2	3.5	3	83	87	<0.2	1.9	<0.2	1.8							
						3.8	0.3	132	25.3	25.3	8.1	8.1	26.1	26.1	87.9	88.0	6.2	6.2	4.4	3	86	89	<0.2	1.7	<0.2	1.8							
					Middle	3.8	0.3	143	25.2	25.2	8.1	8.1	26.1	26.1	88.0	88.0	6.3	6.2	4.6	4	87	90	<0.2	1.7	<0.2	1.8							
						6.6	0.4	107	25.1	25.1	8.1	8.1	29.0	29.0	88.2	88.2	6.2	6.2	6.6	4	90	91	<0.2	1.8	<0.2	1.7							
						6.6	0.4	107	25.1	25.1	8.1	8.1	29.0	29.0	88.2	88.2	6.2	6.2	6.4	3	90	91	<0.2	1.7	<0.2	1.8							
					IM10	Fine	Moderate	18:18	7.2	Surface	1.0	0.6	115	25.5	25.5	8.1	8.1	24.6	24.6	92.2	92.1	6.6	6.4	3.2	4	85	88	822386	809812	<0.2	1.6	<0.2	1.7
											1.0	0.6	124	25.4	25.4	8.1	8.1	24.6	24.6	92.0	92.1	6.6	6.3	3.3	3	85	88	<0.2	1.7	<0.2	1.6		
											3.6	0.5	100	25.2	25.2	8.1	8.1	27.2	27.4	86.8	86.8	6.1	6.1	4.3	3	88	89	<0.2	1.6	<0.2	1.7		
Middle	3.6	0.5	100	25.2						25.2	8.1	8.1	27.5	27.4	86.7	86.7	6.1	6.1	4.1	4	88	91	<0.2	1.7	<0.2	1.6							
	6.2	0.4	127	25.2						25.2	8.1	8.1	28.4	28.4	86.9	87.0	6.1	6.1	5.5	4	91	91	<0.2	1.5	<0.2	1.6							
	6.2	0.4	139	25.2						25.2	8.1	8.1	28.3	28.4	87.0	87.0	6.1	6.1	5.5	3	91	91	<0.2	1.6	<0.2	1.6							
IM11	Fine	Moderate	18:27	7.0						Surface	1.0	0.7	124	25.5	25.5	8.1	8.1	25.0	25.0	90.1	89.9	6.4	6.4	3.2	2	86	87	822050	811441	<0.2	1.7	<0.2	1.8
											1.0	0.8	136	25.4	25.4	8.1	8.1	25.0	25.0	89.7	89.7	6.4	6.4	3.4	3	87	89	<0.2	1.8	<0.2	1.7		
											3.5	0.6	116	25.3	25.3	8.1	8.1	27.6	27.7	83.6	83.5	5.9	5.9	4.2	4	89	89	<0.2	1.8	<0.2	1.7		
					Middle	3.5	0.6	121	25.2	25.2	8.1	8.1	27.9	27.7	83.4	83.4	5.9	5.9	4.3	3	89	91	<0.2	1.7	<0.2	1.8							
						6.0	0.5	138	25.2	25.2	8.1	8.1	28.5	28.4	84.0	84.2	5.9	5.9	4.7	4	91	90	<0.2	1.8	<0.2	1.7							
						6.0	0.5	138	25.2	25.2	8.1	8.1	28.4	28.4	84.3	84.3	5.9	5.9	4.7	3	90	90	<0.2	1.7	<0.2	1.8							
					IM12	Fine	Moderate	18:32	9.6	Surface	1.0	0.6	99	25.4	25.4	8.1	8.1	26.7	26.7	85.8	85.7	6.1	6.1	3.5	4	85	87	821441	812044	<0.2	1.8	<0.2	1.8
											1.0	0.7	106	25.4	25.4	8.1	8.1	26.8	26.7	85.6	85.6	6.0	6.0	3.6	5	87	88	<0.2	1.8	<0.2	1.8		
											4.8	0.6	102	25.1	25.1	8.1	8.1	28.5	28.5	82.1	81.9	5.8	5.9	4.7	4	88	87	<0.2	1.8	<0.2	1.8		
Middle	4.8	0.6	110	25.1						25.1	8.1	8.1	28.6	28.5	81.6	81.6	5.7	5.7	4.8	4	87	91	<0.2	1.7	<0.2	1.8							
	8.6	0.5	75	25.1						25.1	8.1	8.1	29.0	28.9	80.0	80.3	5.6	5.6	5.5	3	91	91	<0.2	1.8	<0.2	1.8							
	8.6	0.5	81	25.1						25.1	8.1	8.1	28.9	28.9	80.5	80.5	5.6	5.6	5.6	3	91	91	<0.2	1.8	<0.2	1.8							
SR1A	Fine	Calm	18:59	5.3						Surface	1.0	-	-	25.3	25.3	8.1	8.1	27.5	27.7	84.8	84.6	6.0	6.0	4.3	3	-	-	819971	812665	-	-	-	-
											1.0	-	-	25.2	25.2	8.1	8.1	27.8	27.7	84.4	84.4	5.9	5.9	4.7	4	-	-	-	-	-	-	-	-
											2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.3	-	-	25.1	25.1	8.1	8.1	28.6	28.7	84.4	84.7	5.9	6.0	5.5	4	-	-	-	-	-	-	-	-	-				
						4.3	-	-	25.1	25.1	8.1	8.1	28.7	28.7	84.9	84.9	6.0	6.0	5.6	5	-	-	-	-	-	-	-	-	-				
					SR2	Fine	Calm	19:12	4.4	Surface	1.0	0.4	89	25.6	25.6	8.1	8.1	25.9	26.0	92.1	92.0	6.5	6.5	2.5	7	87	90	821443	814147	<0.2	1.7	<0.2	1.9
											1.0	0.4	97	25.5	25.5	8.1	8.1	26.2	26.0	91.8	91.8	6.5	6.5	2.5	7	87	92	<0.2	1.8	<0.2	1.8		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.4	0.4	74	25.4						25.4	8.1	8.1	26.8	26.9	91.6	91.7	6.5	6.5	2.5	3	92	93	<0.2	1.8	<0.2	1.8							
	3.4	0.4	80	25.4						25.4	8.1	8.1	26.9	26.9	91.7	91.7	6.5	6.5	2.5	4	92	93	<0.2	1.8	<0.2	1.8							
SR3	Fine	Moderate	18:04	9.0						Surface	1.0	0.1	211	25.5	25.5	8.1	8.1	24.6	24.6	90.3	90.1	6.4	6.4	3.4	4	-	-	822123	807580	-	-	-	-
											1.0	0.1	219	25.4	25.4	8.1	8.1	24.6	24.6	89.9	89.9	6.4	6.2	3.5	4	-	-	-	-	-	-	-	
											4.5	0.1	138	25.2	25.2	8.1	8.1	28.1	28.2	84.0	84.3	5.9	5.9	4.3	4	-	-	-	-	-	-	-	
					Middle	4.5	0.1	145	25.1	25.1	8.1	8.1	28.4	28.4	84.6	84.6	5.9	5.9	4.1	3	-	-	-	-	-	-	-	-					
						8.0	0.1	126	25.0	25.0	8.1	8.1	29.2	29.2	89.2	89.2	6.2	6.2	5.7	4	-	-	-	-	-	-	-						
						8.0	0.1	134	25.1	25.1	8.1	8.1	29.2	29.2	89.1	89.1	6.2	6.2	5.6	3	-	-	-	-	-	-	-						
					SR4A	Fine	Calm	19:02	9.0	Surface	1.0	2.1	251	25.4	25.4	8.1	8.1	24.7	24.7	98.8	98.8	7.1	7.1	3.5	3	-	-	817181	807798	-	-	-	-
											1.0	2.2	267	25.3	25.3	8.1	8.1	24.7	24.7	98.7	98.7	7.1	6.9	3.5	2	-	-	-	-	-	-	-	
											4.5	2.2	267	25.1	25.1	8.1	8.1	29.0	29.0	94.4	94.5	6.6	6.6	4.9	3	-	-	-	-	-	-		
Middle	4.5	2.3	280	25.1						25.1	8.1	8.1	29.0	29.0	94.5	94.5	6.6	6.6	4.9	3	-	-	-	-	-	-	-						
	8.0	2.4	258	25.1						25.1	8.1	8.1	28.6	28.6	95.6	95.8	6.7	6.7	5.4	3	-	-	-	-	-	-							
	8.0	2.4	273	25.1						25.1	8.1	8.1	28.5	28.6	95.9	95.9	6.7	6.7	5.4	3	-	-	-	-	-	-							
SR5A	Fine	Calm	19:17	3.6						Surface	1.0	0.1	56	25.5	25.5	8.1	8.1	24.7	24.8	97.5	97.2	6.9	6.9	2.9	3	-	-	816569	810705	-	-	-	-
											1.0	0.1	59	25.5	25.5	8.1	8.1	24.9	24.9	96.9	96.9	6.9	6.9	3.0	3	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.6	0.1	50	25.4	25.4	8.1	8.1	25.8	25.8	97.0	97.4	6.9	6.9	3.3	3	-	-	-	-	-	-							
						2.6	0.1	50	25.4	25.4	8.1	8.1	25.8	25.8	97.7	97.4	6.9	6.9	3.3	3	-	-	-	-	-	-							
					SR6A	Fine	Calm	19:44	4.0	Surface	1.0	0.1	354	25.3	25.3	8.1	8.1	24.9	24.9	97.5	97.4	7.0	7.0	2.1	3	-	-	817943	814761	-	-	-	-
											1.0	0.1	326	25.3	25.3	8.1	8.1	24.9	24.9	97.2	97.2	6.9	6.9	2.1	2	-	-	-	-	-	-		
											-	-																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 May 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	07:30	8.4	Surface	1.0	1.7	233	25.0	25.0	8.1	8.1	29.1	29.2	100.9	100.7	7.1	7.1	4.0	4.0	4	3	86	86	88	815640	804237	<0.2	1.4	<0.2	1.4
						1.0	1.8	247	25.0	8.1	8.1	29.3	29.3	100.5	100.5	7.0	7.0	4.0	4.0	3	3	86	86	<0.2				1.4	<0.2	1.4	
						4.2	1.8	235	25.0	8.1	8.1	30.4	30.4	98.6	98.6	6.9	6.9	8.2	8.2	4	3	89	89	<0.2				1.4	<0.2	1.4	
					4.2	2.0	239	24.9	8.1	8.1	30.4	30.4	98.4	98.4	6.9	6.9	8.2	8.2	3	3	89	89	<0.2	1.4				<0.2	1.4		
					7.4	1.8	228	24.9	8.1	8.1	30.4	30.4	97.1	97.1	6.8	6.8	9.0	9.0	2	3	88	88	<0.2	1.5				<0.2	1.5		
					7.4	1.9	246	24.9	8.1	8.1	30.4	30.4	97.2	97.2	6.8	6.8	9.1	9.1	3	3	88	88	<0.2	1.5				<0.2	1.5		
					1.0	0.3	180	25.3	25.3	8.1	8.1	24.8	24.8	84.9	84.9	6.1	6.1	3.8	3.8	2	3	86	86	<0.2				1.0	<0.2	1.0	
					1.0	0.3	188	25.3	25.3	8.1	8.1	24.8	24.8	84.2	84.2	6.0	6.0	3.9	3.9	3	3	87	87	<0.2				1.0	<0.2	1.0	
					6.1	0.2	178	25.2	25.2	8.1	8.1	28.1	28.2	82.2	82.2	5.8	5.8	4.7	4.7	4	3	92	92	<0.2				1.1	<0.2	1.1	
6.1	0.2	181	25.2	25.2	8.1	8.1	28.3	28.2	82.1	82.1	5.8	5.8	5.0	5.0	4	4	91	91	<0.2	1.1	<0.2	1.1									
11.2	0.2	164	25.1	25.2	8.1	8.1	29.3	29.2	83.1	83.1	5.8	5.8	5.3	5.3	4	3	93	93	<0.2	1.1	<0.2	1.1									
11.2	0.2	177	25.2	25.2	8.1	8.1	29.2	29.2	83.2	83.2	5.8	5.8	5.2	5.2	3	3	93	93	<0.2	1.0	<0.2	1.0									
C2	Cloudy	Moderate	08:32	12.2	Surface	1.0	0.2	214	24.8	24.8	8.1	8.1	30.2	30.2	96.8	96.8	6.1	6.1	2.3	2.3	3	3	87	87	90	825678	806925	<0.2	1.6	<0.2	1.6
						1.0	0.2	215	24.8	8.1	8.1	30.2	30.2	96.5	96.5	6.0	6.0	2.3	2.3	3	3	88	88	<0.2				1.7	<0.2	1.7	
						6.2	0.2	247	24.7	8.1	8.1	31.7	31.7	82.9	82.9	5.8	5.8	3.0	3.0	3	3	90	90	<0.2				1.5	<0.2	1.5	
					6.2	0.2	253	24.7	8.1	8.1	31.7	31.7	82.8	82.8	5.8	5.8	3.1	3.1	3	3	91	91	<0.2	1.6				<0.2	1.6		
					11.4	0.1	283	24.7	24.7	8.1	8.1	31.8	31.8	83.3	83.3	5.8	5.8	3.7	3.7	2	2	92	92	<0.2				1.7	<0.2	1.7	
					11.4	0.1	298	24.7	24.7	8.1	8.1	31.8	31.8	83.4	83.4	5.8	5.8	3.6	3.6	2	2	92	92	<0.2				1.6	<0.2	1.6	
					1.0	1.9	243	25.2	25.2	8.1	8.1	27.9	28.0	98.9	98.9	7.0	7.0	3.4	3.4	3	3	87	87	<0.2				1.4	<0.2	1.4	
					1.0	1.9	245	25.2	25.2	8.1	8.1	28.0	28.0	98.9	98.9	7.0	7.0	3.4	3.4	4	4	86	86	<0.2				1.5	<0.2	1.5	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	87	87
4.2	1.6	240	25.0	25.1	8.0	8.0	28.5	28.4	94.0	94.1	6.6	6.6	5.3	5.3	4	4	88	88	<0.2	1.5	<0.2	1.5									
4.2	1.6	263	25.1	25.1	8.0	8.0	28.3	28.4	94.1	94.1	6.6	6.6	5.2	5.2	4	4	88	88	<0.2	1.4	<0.2	1.4									
IM1	Fine	Calm	07:51	5.2	Surface	1.0	1.7	54	25.1	25.1	8.1	8.1	28.3	28.3	99.5	99.4	7.0	7.0	4.1	4.1	5	4	86	86	89	818142	806179	<0.2	1.5	<0.2	1.5
						1.0	1.8	56	25.1	25.1	8.1	8.1	28.3	28.3	99.3	99.3	7.0	7.0	4.1	4.1	4	4	86	86				<0.2	1.6	<0.2	1.6
						3.6	1.6	55	25.0	25.0	8.1	8.1	28.5	28.5	98.9	98.9	7.0	7.0	6.2	6.2	4	4	90	90				<0.2	1.5	<0.2	1.5
					3.6	1.7	57	25.0	25.0	8.1	8.1	28.5	28.5	98.9	98.9	7.0	7.0	6.2	6.2	5	5	90	90	<0.2				1.4	<0.2	1.4	
					6.2	1.5	60	24.8	24.8	8.1	8.1	30.7	30.7	93.7	93.7	6.5	6.5	8.0	8.0	2	2	90	90	<0.2				1.6	<0.2	1.6	
					6.2	1.6	61	24.8	24.8	8.1	8.1	30.7	30.7	93.7	93.7	6.5	6.5	7.9	7.9	3	3	90	90	<0.2				1.5	<0.2	1.5	
					1.0	2.5	8	25.1	25.1	8.1	8.1	28.5	28.6	99.8	99.7	7.0	7.0	1.6	1.6	4	4	87	87	<0.2				1.6	<0.2	1.6	
					1.0	2.7	8	25.0	25.1	8.1	8.1	28.8	28.6	99.6	99.7	7.0	7.0	1.6	1.6	5	5	87	87	<0.2				1.5	<0.2	1.5	
					3.7	2.7	10	24.9	24.9	8.1	8.1	29.9	30.0	98.0	98.0	6.9	6.9	4.4	4.4	5	5	90	90	<0.2				1.6	<0.2	1.6	
3.7	2.7	10	24.9	24.9	8.1	8.1	30.2	30.0	94.4	94.4	6.6	6.6	4.3	4.3	4	4	90	90	<0.2	1.4	<0.2	1.4									
6.4	2.7	9	24.9	24.9	8.1	8.1	30.7	30.7	93.9	93.9	6.5	6.5	6.5	6.5	5	5	91	91	<0.2	1.5	<0.2	1.5									
6.4	2.8	9	24.9	24.9	8.1	8.1	30.7	30.7	94.1	94.0	6.5	6.5	6.5	6.5	4	4	91	91	<0.2	1.5	<0.2	1.5									
IM3	Fine	Calm	08:02	7.4	Surface	1.0	2.6	11	25.2	25.2	8.1	8.1	26.6	26.6	102.0	101.8	7.2	7.2	3.5	3.5	4	4	88	88	89	818763	805608	<0.2	1.6	<0.2	1.6
						1.0	2.9	11	25.2	25.2	8.1	8.1	26.6	26.6	101.6	101.6	7.2	7.2	3.6	3.6	4	4	88	88				<0.2	1.5	<0.2	1.5
						4.3	3.0	13	25.1	25.1	8.1	8.1	29.2	29.3	99.2	99.2	6.9	6.9	3.8	3.8	5	5	91	91				<0.2	1.5	<0.2	1.5
					4.3	3.3	13	25.1	25.1	8.1	8.1	29.3	29.3	99.1	99.1	6.9	6.9	3.8	3.8	4	4	91	91	<0.2				1.6	<0.2	1.6	
					7.6	3.2	14	25.0	25.0	8.1	8.1	30.0	30.0	93.9	93.9	6.6	6.6	7.2	7.2	3	3	92	92	<0.2				1.6	<0.2	1.6	
					7.6	3.4	14	25.0	25.0	8.1	8.1	30.0	30.0	94.1	94.0	6.6	6.6	7.3	7.3	4	4	86	86	<0.2				1.5	<0.2	1.5	
					1.0	2.0	271	25.3	25.3	8.1	8.1	26.5	26.4	102.4	102.3	7.2	7.2	3.2	3.2	5	4	86	86	<0.2				1.2	<0.2	1.2	
					1.0	2.2	282	25.3	25.3	8.1	8.1	26.4	26.4	102.2	102.2	7.2	7.2	3.3	3.3	4	4	87	87	<0.2				1.3	<0.2	1.3	
					4.0	2.2	266	25.0	25.0	8.1	8.1	29.6	29.7	99.3	99.0	6.9	6.9	4.7	4.7	4	4	90	90	<0.2				1.6	<0.2	1.6	
4.0	2.4	280	25.0	25.0	8.1	8.1	29.7	29.7	98.7	98.7	6.9	6.9	4.8	4.8	5	5	90	90	<0.2	1.7	<0.2	1.7									
7.0	2.0	254	25.0	25.0	8.1	8.1	30.0	29.9	94.6	94.5	6.6	6.6	7.4	7.4	3	3	91	91	<0.2	1.2	<0.2	1.2									
7.0	2.0	264	25.0	25.0	8.1	8.1	29.9	29.9	94.4	94.4	6.6	6.6	7.4	7.4	4	4	91	91	<0.2	1.4	<0.2	1.4									
IM5	Fine	Calm	08:15	8.0	Surface	1.0	1.8	290	25.1	25.1	8.1	8.1	26.6	26.6	100.9	100.8	7.2	7.1	3.4	3.4	3	3	89	89	89	820754	804848	<0.2	1.6	<0.2	1.6
						1.0	1.9	311	25.1	25.1	8.1	8.1	26.7	26.6	100.6	100.6	7.1	7.1	3.4	3.4	4	4	89	89				<0.2	1.6	<0.2	1.6
						3.9	2.1	276	25.1	25.1	8.1	8.1	29.2	29.2	99.5	99.2	7.0	7.0	3.6	3.6	4	3	89	89				<0.2	1.6	<0.2	1.6
					3.9	2.3	284	25.1	25.1	8.1	8.1	29.3	29.2	98.9	98.9	6.9	6.9	3.7	3.7	3	3	89	89	<0.2				1.6	<0.2	1.6	
					6.8	1.9																									





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

Water Quality Monitoring Results on 06 May 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	Fine	Calm	10:28	8.2	Surface	1.0	2.5	104	25.7	25.7	8.2	8.2	28.1	28.2	108.0	108.0	7.5	7.5	2.3	2.3	3	3	85	85	88	88	815602	804269	<0.2	0.6	<0.2	0.6							
						1.0	2.5	106	25.6	8.2	8.2	28.2	28.2	107.9	107.9	7.5	7.5	2.4	2.4	4	4	86	86	88	88	<0.2			0.6	<0.2	0.6								
						4.1	2.2	107	25.1	8.1	8.1	32.1	32.2	99.8	99.8	6.9	6.9	4.4	4.4	4	4	89	89	88	88	<0.2			0.5	<0.2	0.7								
					Middle	4.1	2.3	111	25.1	25.1	8.1	8.1	32.2	32.2	99.6	99.7	6.8	6.8	4.3	4.3	4	4	89	89	88	88			<0.2	0.6	<0.2	0.6							
						7.2	2.4	113	25.1	25.1	8.1	8.1	32.2	32.2	99.2	99.2	6.8	6.8	7.9	7.9	7	7	89	89	88	88			<0.2	0.6	<0.2	0.6							
						7.2	2.4	119	25.1	25.1	8.1	8.1	32.2	32.2	99.2	99.2	6.8	6.8	8.0	8.0	7	7	90	90	88	88			<0.2	0.6	<0.2	0.6							
					C2	Fine	Moderate	12:05	11.5	Surface	1.0	0.3	176	26.5	26.5	8.2	8.2	25.9	25.9	111.5	111.3	7.8	7.8	1.4	1.4	4			4	83	83	86	86	825683	806945	<0.2	0.7	<0.2	0.7
											1.0	0.3	189	26.5	8.2	8.2	25.9	25.9	111.0	111.0	7.7	7.7	1.4	1.4	3	3			83	83	86	86	<0.2			0.6	<0.2	0.7	
											5.8	0.2	180	25.7	25.7	8.1	8.1	27.3	27.4	96.3	96.2	6.7	6.7	1.8	1.8	2			2	86	86	86	86			<0.2	0.7	<0.2	0.7
Middle	5.8	0.2	184	25.7						25.7	8.1	8.1	27.4	27.4	96.0	96.2	6.7	6.7	2.0	2.0	3	3	86	86	86	86	<0.2	0.7	<0.2	0.7									
	10.5	0.2	176	25.3						25.3	8.1	8.1	29.4	29.4	84.2	84.2	5.9	5.9	3.3	3.3	2	2	88	88	88	88	<0.2	0.7	<0.2	0.6									
	10.5	0.2	189	25.3						25.3	8.1	8.1	29.4	29.4	84.2	84.2	5.9	5.9	3.4	3.4	3	3	88	88	88	88	<0.2	0.6	<0.2	0.6									
C3	Fine	Moderate	09:40	12.4						Surface	1.0	0.3	49	25.6	25.6	8.2	8.2	28.4	28.4	97.6	97.6	6.8	6.8	1.1	1.1	<2	<2	83	83	86	86	822086	817785			<0.2	0.7	<0.2	0.7
											1.0	0.3	51	25.6	25.6	8.2	8.2	28.4	28.4	97.5	97.6	6.8	6.8	1.1	1.1	3	3	83	83	86	86					<0.2	0.6	<0.2	0.6
											6.2	0.3	90	24.9	24.9	8.2	8.2	32.0	32.0	89.1	89.1	6.2	6.2	1.5	1.5	2	2	85	85	86	86					<0.2	0.6	<0.2	0.6
					Middle	6.2	0.3	97	24.9	24.9	8.2	8.2	32.0	32.0	89.0	89.1	6.1	6.1	1.5	1.5	2	2	86	86	86	86	<0.2	0.6	<0.2	0.6									
						11.4	0.2	110	24.8	24.8	8.2	8.2	32.7	32.7	87.1	87.2	6.0	6.0	3.4	3.4	2	2	89	89	89	89	<0.2	0.7	<0.2	0.7									
						11.4	0.2	119	24.8	24.8	8.2	8.2	32.7	32.7	87.2	87.2	6.0	6.0	3.3	3.3	3	3	89	89	89	89	<0.2	0.7	<0.2	0.7									
					IM1	Fine	Calm	10:50	5.0	Surface	1.0	0.0	238	25.4	25.4	8.1	8.1	29.7	29.7	101.0	98.6	7.0	7.0	6.6	6.6	5	5	85	85	86	86			817966	807140	<0.2	0.6	<0.2	0.6
											1.0	0.0	238	25.4	25.4	8.1	8.1	29.8	29.7	96.2	96.7	6.7	6.7	6.5	6.5	6	6	85	85	86	86					<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	4.0	0.0	128	25.5						25.5	8.1	8.1	29.6	29.5	96.2	96.4	6.7	6.7	7.5	7.5	4	4	89	89	86	86	<0.2	0.7	<0.2	0.6									
	4.0	0.0	137	25.5						25.5	8.1	8.1	29.5	29.5	96.5	96.5	6.7	6.7	7.5	7.5	4	4	86	86	86	86	<0.2	0.6	<0.2	0.6									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
IM2	Fine	Calm	10:57	6.6						Surface	1.0	2.4	303	25.5	25.5	8.1	8.1	29.8	29.9	101.3	101.0	7.0	7.0	4.0	4.0	2	2	86	86	89	89	818160	806184			<0.2	0.7	<0.2	0.7
											1.0	2.5	323	25.4	25.4	8.1	8.1	30.0	29.9	100.6	100.6	7.0	7.0	3.9	3.9	2	2	85	85	89	89					<0.2	0.6	<0.2	0.6
											3.3	2.5	305	25.3	25.3	8.1	8.1	30.5	30.5	99.1	99.0	6.9	6.9	5.6	5.6	5	5	90	90	89	89					<0.2	0.5	<0.2	0.5
					Middle	3.3	2.6	331	25.3	25.3	8.1	8.1	30.6	30.5	98.9	99.0	6.8	6.8	5.6	5.6	4	4	90	90	89	89	<0.2	0.6	<0.2	0.5									
						5.6	2.6	306	25.3	25.4	8.1	8.1	30.6	30.6	99.1	99.1	6.8	6.8	6.6	6.6	5	5	91	91	89	89	<0.2	0.5	<0.2	0.5									
						5.6	2.7	328	25.4	25.4	8.1	8.1	30.5	30.6	99.1	99.1	6.8	6.8	6.6	6.6	6	6	91	91	89	89	<0.2	0.5	<0.2	0.5									
					IM3	Fine	Calm	11:04	7.0	Surface	1.0	2.1	346	25.5	25.5	8.1	8.1	29.6	29.7	103.2	103.2	7.2	7.2	3.2	3.2	5	5	87	87	89	89			818778	805575	<0.2	0.6	<0.2	0.6
											1.0	2.3	359	25.4	25.4	8.1	8.1	29.7	29.7	103.1	103.1	7.1	7.1	3.3	3.3	4	4	90	90	89	89					<0.2	0.6	<0.2	0.6
											3.5	2.5	350	25.3	25.3	8.1	8.1	30.4	30.5	97.4	97.2	6.7	6.7	5.4	5.4	3	3	90	90	89	89					<0.2	0.6	<0.2	0.6
Middle	3.5	2.7	357	25.3						25.3	8.1	8.1	30.5	30.5	97.0	97.2	6.7	6.7	5.5	5.5	4	4	91	91	89	89	<0.2	0.7	<0.2	0.7									
	6.0	2.6	352	25.3						25.4	8.1	8.1	30.7	30.6	97.5	97.7	6.7	6.7	7.2	7.2	4	4	91	91	89	89	<0.2	0.7	<0.2	0.7									
	6.0	2.7	324	25.4						25.4	8.1	8.1	30.6	30.6	97.8	97.7	6.8	6.8	7.2	7.2	3	3	87	87	89	89	<0.2	0.7	<0.2	0.7									
IM4	Fine	Moderate	11:13	8.2						Surface	1.0	1.9	23	25.6	25.6	8.1	8.1	28.8	28.8	99.9	99.8	6.9	6.9	3.0	3.0	3	3	88	88	90	90	819731	804609			<0.2	0.8	<0.2	0.8
											1.0	1.9	24	25.6	25.6	8.1	8.1	28.8	28.8	99.7	99.8	6.9	6.9	3.0	3.0	4	4	90	90	88	88					<0.2	0.6	<0.2	0.6
											4.1	1.9	25	25.2	25.2	8.1	8.1	30.7	30.7	94.7	94.6	6.6	6.6	7.9	7.9	3	3	91	91	88	88					<0.2	0.6	<0.2	0.6
					Middle	4.1	2.1	26	25.2	25.2	8.1	8.1	30.8	30.7	94.4	94.6	6.5	6.5	7.4	7.4	4	4	91	91	88	88	<0.2	0.6	<0.2	0.6									
						7.2	2.2	25	25.1	25.1	8.1	8.1	31.2	31.2	93.7	93.7	6.5	6.5	9.4	9.4	3	3	92	92	88	88	<0.2	0.5	<0.2	0.5									
						7.2	2.4	26	25.1	25.1	8.1	8.1	31.2	31.2	93.7	93.7	6.5	6.5	9.5	9.5	3	3	86	86	88	88	<0.2	0.5	<0.2	0.5									
					IM5	Fine	Moderate	11:23	7.4	Surface	1.0	3.0	215	25.9	25.9	8.2	8.2	27.1	27.1	104.0	103.9	7.3	7.3	2.7	2.7	4	4	86	86	88	88			820716	804846	<0.2	0.7	<0.2	0.7
											1.0	3.2	225	25.8	25.8	8.2	8.2	27.1	27.1	103.8	103.9	7.3	7.3	2.6	2.6	3	3	86	86	88	88					<0.2	0.9	<0.2	0.9
											3.7	3.2	211	25.5	25.5	8.2	8.1	28.8	29.0	100.1	100.0	7.0	7.0	5.6	5.6	4	4	90	90	88	88					<0.2	0.6	<0.2	0.6
Middle	3.7	3.4	216	25.4						25.4	8.1	8.1	29.1	29.0	99.8	99.8	6.9	6.9	5.5	5.5	3	3	90	90	88	88	<0.2	0.7	<0.2	0.7									
	6.4	3.0	209	25.2																																			

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

Water Quality Monitoring Results on 06 May 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	11:30	7.2	Surface	1.0	0.1	112	26.0	26.0	8.1	8.1	27.5	27.5	98.6	98.5	6.9	6.7	1.8	4	83	85	85	85	822100	808834	<0.2	0.7	<0.2	0.6							
						1.0	0.1	118	26.0	8.1	8.1	27.5	27.5	98.4	98.5	6.8	6.7	1.8	4	83	85	85	85	<0.2			0.6	<0.2	0.6								
						3.6	0.1	99	25.6	8.1	8.1	28.4	28.4	94.0	93.8	6.5	6.5	2.5	3	85	85	85	85	<0.2			0.6	<0.2	0.6								
					Middle	3.6	0.1	102	25.6	8.1	8.1	28.4	28.4	93.8	93.8	6.5	6.5	2.7	3	85	85	85	85	<0.2			0.6	<0.2	0.6								
						6.2	0.1	74	25.5	8.1	8.1	29.0	29.0	90.8	90.9	6.3	6.3	3.5	3	88	88	88	88	<0.2			0.6	<0.2	0.6								
						6.2	0.1	75	25.5	8.1	8.1	29.0	29.0	90.9	90.9	6.3	6.3	3.5	3	88	88	88	88	<0.2			0.6	<0.2	0.7								
					IM10	Fine	Moderate	11:21	8.3	Surface	1.0	0.3	94	25.9	25.9	8.2	8.2	27.6	27.6	97.7	97.6	6.8	6.6	1.8			3	83	86	86	86	822375	809772	<0.2	0.7	<0.2	0.7
											1.0	0.3	96	25.9	8.2	8.2	27.6	27.6	97.5	97.6	6.8	6.6	1.9	2			84	86	86	86	<0.2			0.7	<0.2	0.7	
											4.2	0.3	87	25.5	8.2	8.2	29.0	29.0	90.7	90.8	6.3	6.3	2.4	3			86	86	86	86	<0.2			0.7	<0.2	0.7	
Middle	4.2	0.3	93	25.5						8.2	8.2	28.9	29.0	90.9	90.9	6.3	6.3	2.3	2	86	86	86	86	<0.2	0.8	<0.2	0.8										
	7.3	0.2	101	25.4						8.2	8.2	29.3	29.3	88.8	88.9	6.2	6.2	3.2	<2	88	88	88	88	<0.2	0.8	<0.2	0.8										
	7.3	0.2	110	25.4						8.2	8.2	29.3	29.3	89.0	89.0	6.2	6.2	3.2	<2	88	88	88	88	<0.2	0.8	<0.2	0.8										
IM11	Fine	Moderate	11:08	8.4						Surface	1.0	0.4	91	25.8	25.8	8.2	8.2	28.0	28.0	98.8	98.9	6.9	6.8	1.4	2	83	85	85	85	822046	811450			<0.2	0.6	<0.2	0.6
											1.0	0.4	96	25.8	8.2	8.2	28.0	28.0	98.9	98.9	6.9	6.8	1.4	2	83	85	85	85	<0.2					0.6	<0.2	0.6	
											4.2	0.3	74	25.6	8.2	8.2	28.3	28.3	96.0	96.0	6.7	6.7	1.5	<2	85	86	86	86	<0.2					0.6	<0.2	0.6	
					Middle	4.2	0.3	81	25.6	8.2	8.2	28.2	28.3	96.0	96.0	6.7	6.7	1.5	<2	85	86	86	86	<0.2	0.6	<0.2	0.6										
						7.4	0.2	70	25.3	8.2	8.2	29.6	29.5	90.5	90.6	6.3	6.3	3.0	<2	88	88	88	88	<0.2	0.6	<0.2	0.6										
						7.4	0.2	73	25.4	8.2	8.2	29.5	29.5	90.7	90.7	6.3	6.3	2.9	<2	88	88	88	88	<0.2	0.6	<0.2	0.6										
					IM12	Fine	Moderate	10:59	9.1	Surface	1.0	0.3	85	25.9	25.9	8.1	8.1	27.5	27.5	93.7	93.7	6.5	6.2	1.9	3	82	85	85	85			821450	812064	<0.2	0.7	<0.2	0.7
											1.0	0.3	91	25.9	8.1	8.1	27.5	27.5	93.6	93.6	6.5	6.2	1.9	4	82	85	85	85	<0.2					0.7	<0.2	0.7	
											4.6	0.2	88	25.4	8.1	8.1	29.4	29.4	85.4	85.4	5.9	5.9	3.1	3	85	86	86	86	<0.2					0.8	<0.2	0.8	
Middle	4.6	0.2	89	25.4						8.1	8.1	29.4	29.4	85.4	85.4	5.9	5.9	3.0	2	86	86	86	86	<0.2	0.8	<0.2	0.8										
	8.1	0.1	76	25.2						8.1	8.1	30.2	30.2	81.8	82.0	5.7	5.7	3.6	3	88	88	88	88	<0.2	0.6	<0.2	0.6										
	8.1	0.1	76	25.2						8.1	8.1	30.1	30.2	82.2	82.2	5.7	5.7	3.7	2	88	88	88	88	<0.2	0.8	<0.2	0.8										
SR1A	Fine	Calm	10:22	5.0						Surface	1.0	-	-	25.7	25.7	8.1	8.1	28.3	28.3	88.4	88.4	6.2	6.2	2.2	2	-	-	-	-	819979	812657			-	-	-	-
											1.0	-	-	25.7	8.1	8.1	28.3	28.3	88.4	88.4	6.1	6.1	2.2	2	-	-	-	-	-					-	-	-	
											2.5	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-	-	-					-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						4.0	-	-	25.6	8.1	8.1	28.7	28.8	88.3	88.4	6.1	6.1	2.2	<2	-	-	-	-	-	-	-	-	-	-			-					
						4.0	-	-	25.6	8.1	8.1	28.8	28.8	88.4	88.4	6.1	6.1	2.2	<2	-	-	-	-	-	-	-	-	-	-								
					SR2	Fine	Moderate	10:05	4.6	Surface	1.0	0.3	102	25.5	25.5	8.2	8.2	29.0	29.0	93.6	93.6	6.5	6.5	1.6	<2	85	85	85	85			821444	814149	<0.2	0.7	<0.2	0.7
											1.0	0.3	109	25.5	8.2	8.2	29.0	29.0	93.5	93.5	6.5	6.5	1.6	<2	85	85	85	85	<0.2					0.7	<0.2	0.7	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.6	0.3	113	25.3						8.2	8.2	29.8	29.8	91.1	91.1	6.3	6.3	1.8	2	86	86	86	86	<0.2	0.8	<0.2	0.8										
	3.6	0.3	122	25.3						8.2	8.2	29.8	29.8	91.1	91.1	6.3	6.3	1.8	3	87	87	87	87	<0.2	0.8	<0.2	0.8										
SR3	Fine	Moderate	11:43	8.8						Surface	1.0	0.2	167	25.9	25.9	8.2	8.2	27.6	27.6	98.1	98.1	6.8	6.6	1.8	3	-	-	-	-	822145	807590			-	-	-	-
											1.0	0.2	182	25.9	8.2	8.2	27.6	27.6	98.0	98.1	6.8	6.6	1.8	4	-	-	-	-	-					-	-	-	
											4.4	0.3	154	25.5	8.2	8.2	29.0	29.0	89.9	89.9	6.3	6.3	2.8	4	-	-	-	-	-					-	-	-	
					Middle	4.4	0.4	162	25.5	8.2	8.2	29.0	29.0	89.9	89.9	6.3	6.3	2.9	3	-	-	-	-	-	-	-	-	-	-								
						7.8	0.1	180	25.4	8.2	8.2	29.7	29.7	89.3	89.4	6.2	6.2	3.5	2	-	-	-	-	-	-	-	-	-									
						7.8	0.1	180	25.4	8.2	8.2	29.6	29.7	89.5	89.5	6.2	6.2	3.4	2	-	-	-	-	-	-	-	-	-									
					SR4A	Fine	Calm	10:07	9.6	Surface	1.0	2.2	242	25.5	25.5	8.1	8.1	29.1	29.2	103.3	103.2	7.2	7.0	4.1	3	-	-	-	-			817200	807805	-	-	-	-
											1.0	2.4	264	25.5	8.1	8.1	29.3	29.2	103.1	103.1	7.2	7.0	4.2	4	-	-	-	-	-					-	-	-	
											4.8	2.0	245	25.4	8.1	8.1	29.8	29.8	97.1	97.1	6.7	6.7	5.7	5	-	-	-	-	-					-	-	-	
Middle	4.8	2.2	254	25.4						8.1	8.1	29.8	29.8	97.0	97.1	6.7	6.7	5.7	4	-	-	-	-	-	-	-	-	-									
	8.6	2.3	236	25.4						8.1	8.1	29.9	29.9	96.7	96.8	6.7	6.7	8.7	5	-	-	-	-	-	-	-	-										
	8.6	2.5	256	25.4						8.1	8.1	29.9	29.9	96.8	96.8	6.7	6.7	8.7	4	-	-	-	-	-	-	-	-										
SR5A	Fine	Calm	09:48	4.0						Surface	1.0	0.0	151	25.9	25.9	8.1	8.1	27.4	27.5	98.4	98.2	6.9	6.9	4.0	8	-	-	-	-	816606	810687			-	-	-	-
											1.0	0.0	159	25.8	8.1	8.1	27.5	27.5	98.0	98.0	6.8	6.8	4.0	7	-	-	-	-	-					-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						3.0	0.1	245	25.7	8.0	8.0	28.2	28.2	97.0	97.0	6.8	6.8	4.7	7	-	-	-	-	-	-	-	-										
						3.0	0.1	252	25.7	8.0	8.0	28.2	28.2	96.9	96.9	6.7	6.7	4.7	8	-	-	-	-	-	-	-	-										
					SR6A	Fine	Calm	09:20	4.2	Surface	1.0	0.1	110	25.9	25.9</																						

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

Water Quality Monitoring Results on 06 May 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	Fine	Calm	15:01	8.0	Surface	1.0	2.6	83	26.1	26.1	8.2	8.2	28.5	28.7	112.8	112.8	7.8	7.8	2.9	2.9	6	6	88	88	91	815635	804253	<0.2	<0.2	0.7	0.7					
						1.0	2.7	87	26.0	26.0	8.2	8.2	28.8	28.8	7.8	7.8	2.9	2.9	6	6	88	88	<0.2	<0.2				0.8	0.8							
					Middle	4.0	2.7	86	25.4	25.4	8.1	8.1	30.9	31.1	106.6	106.6	7.4	7.4	3.0	3.0	5	5	92	92				<0.2	<0.2	0.7	0.7					
						4.0	2.8	88	25.3	25.3	8.1	8.1	31.2	31.2	106.3	106.3	7.3	7.3	3.0	3.0	4	4	92	92				<0.2	<0.2	1.0	1.0					
						7.0	2.5	85	25.2	25.2	8.1	8.1	31.9	31.9	98.1	98.1	6.7	6.7	9.2	9.2	4	4	93	93				<0.2	<0.2	0.6	0.6					
						7.0	2.7	88	25.2	25.2	8.1	8.1	31.9	31.9	97.9	97.9	6.7	6.7	9.7	9.7	5	5	93	93				<0.2	<0.2	0.5	0.5					
C2	Fine	Moderate	13:51	11.8	Surface	1.0	0.1	220	26.1	26.1	8.2	8.2	26.2	26.2	105.1	105.0	7.3	7.3	1.5	1.5	4	4	83	83	86	825666	806949	<0.2	<0.2	0.6	0.6					
						1.0	0.1	225	26.1	26.1	8.2	8.2	26.3	26.3	104.8	104.8	7.3	7.3	1.5	1.5	3	3	83	83				<0.2	<0.2	0.6	0.6					
					Middle	5.9	0.1	215	25.6	25.6	8.2	8.2	28.0	28.0	92.1	92.1	6.4	6.4	2.1	2.1	2	2	86	86				<0.2	<0.2	0.7	0.7					
						5.9	0.1	232	25.6	25.6	8.2	8.2	28.0	28.0	92.1	92.1	6.4	6.4	2.1	2.1	3	3	86	86				<0.2	<0.2	0.6	0.6					
						10.8	0.2	56	25.4	25.4	8.2	8.2	29.1	29.1	88.7	88.8	6.2	6.2	3.0	3.0	3	3	88	88				<0.2	<0.2	0.7	0.7					
						10.8	0.3	56	25.4	25.4	8.2	8.2	29.1	29.1	88.8	88.8	6.2	6.2	3.1	3.1	2	2	88	88				<0.2	<0.2	0.6	0.6					
C3	Fine	Moderate	16:10	12.9	Surface	1.0	0.2	242	25.9	25.9	8.2	8.2	29.3	29.3	109.5	109.4	7.5	7.5	1.1	1.1	<2	<2	84	84	87	822121	817801	<0.2	<0.2	0.7	0.7					
						1.0	0.2	251	25.8	25.8	8.2	8.2	29.4	29.4	109.2	109.2	7.5	7.5	1.1	1.1	2	2	86	86				<0.2	<0.2	0.7	0.7					
					Middle	6.5	0.2	231	25.2	25.2	8.2	8.2	31.8	31.8	94.7	94.8	6.5	6.5	1.6	1.6	3	3	87	87				<0.2	<0.2	0.6	0.6					
						6.5	0.2	245	25.2	25.2	8.2	8.2	31.8	31.8	94.9	94.9	6.5	6.5	1.7	1.7	3	3	87	87				<0.2	<0.2	0.6	0.6					
						11.9	0.3	278	24.8	24.8	8.2	8.2	32.9	32.9	90.8	91.1	6.3	6.3	3.2	3.2	5	5	89	89				<0.2	<0.2	0.7	0.7					
						11.9	0.3	285	24.8	24.8	8.2	8.2	32.9	32.9	91.3	91.3	6.3	6.3	3.2	3.2	4	4	89	89				<0.2	<0.2	0.7	0.7					
IM1	Fine	Calm	14:38	5.0	Surface	1.0	0.1	22	25.4	25.4	8.1	8.1	30.5	30.5	99.0	98.9	6.8	6.8	5.8	5.8	5	5	87	87	89	817938	807152	<0.2	<0.2	0.7	0.7					
						1.0	0.1	23	25.4	25.4	8.1	8.1	30.6	30.6	98.7	98.7	6.8	6.8	5.8	5.8	4	4	88	88				<0.2	<0.2	0.8	0.8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						4.0	0.1	34	25.4	25.4	8.1	8.1	30.5	30.4	97.0	96.7	6.7	6.7	6.6	6.6	2	2	90	90				<0.2	<0.2	0.6	0.6					
						4.0	0.1	34	25.4	25.4	8.1	8.1	30.4	30.4	96.4	96.4	6.7	6.7	6.6	6.6	3	3	91	91				<0.2	<0.2	0.7	0.7					
						4.0	0.1	34	25.4	25.4	8.1	8.1	30.5	30.4	97.0	96.7	6.7	6.7	6.6	6.6	2	2	90	90				<0.2	<0.2	0.6	0.6					
IM2	Fine	Calm	14:31	6.8	Surface	1.0	2.4	45	25.7	25.7	8.2	8.2	30.1	30.2	106.1	106.1	7.3	7.3	3.1	3.1	3	3	87	87	90	818154	806157	<0.2	<0.2	0.9	0.9					
						1.0	2.5	46	25.6	25.6	8.2	8.2	30.2	30.2	106.0	106.0	7.3	7.3	3.1	3.1	3	3	87	87				<0.2	<0.2	0.8	0.8					
					Middle	3.4	2.6	45	25.3	25.3	8.1	8.1	31.2	31.2	98.3	98.1	6.8	6.8	4.8	4.8	3	3	91	91				<0.2	<0.2	0.8	0.8					
						3.4	2.6	46	25.2	25.2	8.1	8.1	31.3	31.2	97.9	98.1	6.7	6.7	4.9	4.9	2	2	92	92				<0.2	<0.2	0.8	0.8					
						5.8	2.4	49	25.2	25.2	8.1	8.1	31.4	31.3	97.2	97.1	6.7	6.7	8.7	8.7	3	3	92	92				<0.2	<0.2	0.9	0.9					
						5.8	2.6	50	25.3	25.3	8.1	8.1	31.2	31.3	97.0	97.1	6.7	6.7	8.7	8.7	2	2	93	93				<0.2	<0.2	0.8	0.8					
IM3	Fine	Calm	14:24	7.0	Surface	1.0	2.6	237	25.8	25.8	8.2	8.2	29.8	29.8	105.6	105.5	7.3	7.3	2.8	2.8	2	2	89	89	91	818806	805614	<0.2	<0.2	0.9	0.9					
						1.0	2.8	242	25.8	25.8	8.2	8.2	29.8	29.8	105.4	105.4	7.3	7.3	2.8	2.8	2	2	89	89				<0.2	<0.2	1.0	1.0					
					Middle	3.5	2.5	236	25.3	25.3	8.1	8.1	30.9	31.0	102.1	101.5	7.0	7.0	4.6	4.6	2	2	92	92				<0.2	<0.2	0.9	0.9					
						3.5	2.6	237	25.2	25.2	8.1	8.1	31.1	31.0	100.8	101.5	7.0	7.0	4.7	4.7	3	3	92	92				<0.2	<0.2	0.9	0.9					
						6.0	2.5	238	25.2	25.2	8.1	8.1	31.6	31.6	97.8	97.9	6.7	6.7	6.0	6.0	3	3	89	89				<0.2	<0.2	0.9	0.9					
						6.0	2.7	241	25.2	25.2	8.1	8.1	31.6	31.6	98.0	97.9	6.7	6.7	6.0	6.0	2	2	93	93				<0.2	<0.2	0.9	0.9					
IM4	Fine	Calm	14:14	8.4	Surface	1.0	2.1	188	25.8	25.8	8.2	8.2	29.5	29.5	108.4	108.3	7.5	7.5	2.3	2.3	3	3	88	88	91	819703	804604	<0.2	<0.2	0.9	0.9					
						1.0	2.1	191	25.8	25.8	8.2	8.2	29.5	29.5	108.2	108.2	7.5	7.5	2.3	2.3	3	3	89	89				<0.2	<0.2	0.8	0.8					
					Middle	4.2	2.1	183	25.2	25.2	8.1	8.1	30.9	30.9	96.7	96.7	6.7	6.7	5.7	5.7	2	2	91	91				<0.2	<0.2	0.7	0.7					
						4.2	2.2	196	25.2	25.2	8.1	8.1	31.0	30.9	96.6	96.7	6.7	6.7	5.8	5.8	3	3	91	91				<0.2	<0.2	0.7	0.7					
						7.4	1.7	181	25.1	25.1	8.1	8.1	31.6	31.6	96.0	96.0	6.6	6.6	7.3	7.3	3	3	92	92				<0.2	<0.2	0.7	0.7					
						7.4	1.8	183	25.2	25.2	8.1	8.1	31.5	31.6	96.0	96.0	6.6	6.6	7.4	7.4	2	2	93	93				<0.2	<0.2	0.6	0.6					
IM5	Fine	Calm	14:06	7.8	Surface	1.0	1.7	22	25.7	25.7	8.1	8.1	27.5	27.6	104.7	104.3	7.3	7.3	4.3	4.3	4	4	87	87	90	820746	804853	<0.2	<0.2	0.9	0.9					
						1.0	1.9	22	25.6	25.6	8.1	8.1	27.6	27.6	103.8	103.8	7.3	7.3	4.4	4.4	5	5	87	87				<0.2	<0.2	0.9	0.9					
					Middle	3.9	2.0	25	25.3	25.3	8.1	8.1	30.2	30.2	91.1	90.9	6.3	6.3	7.4	7.4	3	3	91	91				<0.2	<0.2	0.7	0.7					
						3.9	2.1	25	25.3	25.3	8.1	8.1	30.3	30.2	90.7	90.9	6.3	6.3	7.3	7.3	2	2	91	91				<0.2	<0.2	0.7	0.7					
						6.8	2.2	28	25.3	25.3	8.1	8.1	30.6	30.5	91.4	91.6	6.3	6.3	8.7	8.7	2	2	92	92				<0.2	<0.2	0.8	0.8					
						6.8	2.3	30	25.3	25.3	8.1	8.1	30.4	30.5	91.8	91.8	6.4	6.4	8.7	8.7	2	2	93	93				<0.2	<0.2	0.8	0.8					
IM6	Fine	Calm	13:59	7.2	Surface	1.0	1.9	217	26.0	26.0	8.1	8.1	27.3	27.4	107.9	107.8	7.5	7.5	2.1	2.1	<2	<2	87	87	90	821048	805822									

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

Water Quality Monitoring Results on 06 May 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						
IM9	Fine	Moderate	14:24	7.7	Surface	1.0	0.3	297	26.2	26.2	8.2	8.2	28.0	28.0	99.8	99.9	6.9	7.1	2.1	<2	83	85	85	85	85	85	822089	808832	<0.2	0.8	<0.2	0.7							
						1.0	0.3	318	26.2	26.2	8.2	8.2	28.0	28.0	99.9	99.9	6.9	7.1	2.1	<2	83	85	85	85	85	85	85	85	822089	808832	<0.2	0.8	<0.2	0.7					
						3.9	0.2	279	25.9	25.9	8.2	8.2	28.1	28.1	103.4	103.4	7.2	7.2	1.5	<2	85	85	85	85	85	85	85	85	822089	808832	<0.2	0.8	<0.2	0.7					
					Middle	3.9	0.2	296	25.9	25.9	8.2	8.2	28.1	28.1	103.4	103.4	7.2	7.2	1.5	<2	85	85	85	85	85	85	85	85	822089	808832	<0.2	0.8	<0.2	0.7					
						6.7	0.2	288	25.5	25.5	8.2	8.2	29.1	29.1	95.2	95.3	6.6	6.6	2.7	<2	87	87	87	87	87	87	87	87	822089	808832	<0.2	0.8	<0.2	0.7					
						6.7	0.2	290	25.5	25.5	8.2	8.2	29.1	29.1	95.4	95.4	6.6	6.6	2.7	<2	88	88	88	88	88	88	88	88	822089	808832	<0.2	0.8	<0.2	0.7					
					IM10	Fine	Moderate	14:32	8.1	Surface	1.0	0.2	336	26.2	26.2	8.2	8.2	28.0	28.0	100.0	100.0	6.9	6.9	2.1	<2	84	84	84	84	84	84	822393	809815	<0.2	0.9	<0.2	0.8		
											1.0	0.2	346	26.2	26.2	8.2	8.2	28.0	28.0	100.0	100.0	6.9	6.9	2.1	<2	84	84	84	84	84	84	84	84	822393	809815	<0.2	0.8	<0.2	0.8
											4.1	0.2	320	25.9	25.9	8.2	8.2	28.3	28.3	99.4	99.5	6.9	6.9	2.0	<2	85	85	85	85	85	85	85	85	822393	809815	<0.2	0.8	<0.2	0.8
Middle	4.1	0.2	334	25.9						25.9	8.2	8.2	28.3	28.3	99.5	99.5	6.9	6.9	2.0	<2	85	85	85	85	85	85	85	85	822393	809815	<0.2	0.8	<0.2	0.8					
	7.1	0.2	292	25.5						25.5	8.2	8.2	29.1	29.1	97.9	97.9	6.8	6.8	1.7	3	88	88	88	88	88	88	88	88	822393	809815	<0.2	1.0	<0.2	0.9					
	7.1	0.2	315	25.6						25.6	8.2	8.2	29.1	29.1	97.9	97.9	6.8	6.8	1.6	2	88	88	88	88	88	88	88	88	822393	809815	<0.2	0.9	<0.2	0.9					
IM11	Fine	Moderate	14:46	8.2						Surface	1.0	0.1	314	26.1	26.1	8.2	8.2	28.1	28.1	108.0	108.1	7.5	7.5	1.4	<2	84	84	84	84	84	84	822056	811452	<0.2	0.9	<0.2	0.7		
											1.0	0.1	314	26.1	26.1	8.2	8.2	28.1	28.1	108.1	108.1	7.5	7.5	1.4	<2	84	84	84	84	84	84	84	84	822056	811452	<0.2	0.7	<0.2	0.7
											4.1	0.1	293	25.8	25.8	8.2	8.2	28.4	28.4	107.9	107.9	7.5	7.5	1.3	<2	85	85	85	85	85	85	85	85	822056	811452	<0.2	0.8	<0.2	0.8
					Middle	4.1	0.1	301	25.8	25.8	8.2	8.2	28.4	28.4	107.8	107.8	7.5	7.5	1.2	<2	86	86	86	86	86	86	86	86	822056	811452	<0.2	0.8	<0.2	0.8					
						7.2	0.1	311	25.5	25.5	8.3	8.3	29.4	29.4	101.9	102.0	7.1	7.1	1.4	3	88	88	88	88	88	88	88	88	822056	811452	<0.2	0.7	<0.2	0.7					
						7.2	0.1	319	25.5	25.5	8.3	8.3	29.4	29.4	102.1	102.1	7.1	7.1	1.4	2	88	88	88	88	88	88	88	88	822056	811452	<0.2	0.8	<0.2	0.8					
					IM12	Fine	Moderate	14:53	9.5	Surface	1.0	0.2	320	26.2	26.2	8.2	8.2	27.8	27.8	105.8	105.8	7.3	7.3	1.6	2	83	83	83	83	83	83	821478	812064	<0.2	0.7	<0.2	0.8		
											1.0	0.2	333	26.2	26.2	8.2	8.2	27.8	27.8	105.7	105.7	7.3	7.3	1.6	3	83	83	83	83	83	83	83	83	821478	812064	<0.2	0.8	<0.2	0.8
											4.8	0.2	284	25.6	25.6	8.2	8.2	28.9	28.9	100.2	100.2	7.0	7.0	1.3	2	85	85	85	85	85	85	85	85	821478	812064	<0.2	0.8	<0.2	0.8
Middle	4.8	0.2	311	25.6						25.6	8.2	8.2	28.9	28.9	100.2	100.2	7.0	7.0	1.3	3	85	85	85	85	85	85	85	85	821478	812064	<0.2	0.8	<0.2	0.8					
	8.5	0.2	299	25.3						25.3	8.2	8.2	30.2	30.1	94.0	94.2	6.5	6.5	3.0	3	87	87	87	87	87	87	87	87	821478	812064	<0.2	0.7	<0.2	0.6					
	8.5	0.3	299	25.3						25.3	8.2	8.2	30.1	30.1	94.3	94.3	6.5	6.5	3.0	2	87	87	87	87	87	87	87	87	821478	812064	<0.2	0.6	<0.2	0.6					
SR1A	Fine	Calm	15:28	5.1						Surface	1.0	-	-	26.5	26.5	8.2	8.2	27.7	27.6	105.6	105.7	7.3	7.3	1.5	3	-	-	-	-	-	-	819981	812654	-	-	-	-		
											1.0	-	-	26.5	26.5	8.2	8.2	27.6	27.6	105.7	105.7	7.3	7.3	1.5	2	-	-	-	-	-	-	-	-	819981	812654	-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	-	819981	812654	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819981	812654	-	-	-	-				
						4.1	-	-	26.4	26.4	8.2	8.2	27.9	27.9	107.7	107.8	7.4	7.4	1.5	3	-	-	-	-	-	-	-	-	-	819981	812654	-	-	-	-				
						4.1	-	-	26.4	26.4	8.2	8.2	27.9	27.9	107.9	107.9	7.4	7.4	1.5	2	-	-	-	-	-	-	-	-	-	-	819981	812654	-	-	-	-			
					SR2	Fine	Moderate	15:46	4.8	Surface	1.0	0.3	328	26.1	26.1	8.2	8.2	28.4	28.5	104.0	103.9	7.2	7.2	1.5	2	84	84	84	84	84	84	821449	814155	<0.2	0.7	<0.2	0.6		
											1.0	0.3	356	26.1	26.1	8.2	8.2	28.5	28.5	103.8	103.8	7.2	7.2	1.5	2	84	84	84	84	84	84	84	84	821449	814155	<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821449	814155	<0.2	0.7	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821449	814155	<0.2	0.7	<0.2	0.7				
	3.8	0.1	284	25.3						25.3	8.2	8.2	30.9	30.9	91.5	91.8	6.3	6.4	3.4	2	86	86	86	86	86	86	86	86	821449	814155	<0.2	0.8	<0.2	0.8					
	3.8	0.1	291	25.3						25.3	8.2	8.2	30.8	30.8	92.0	92.0	6.4	6.4	3.4	2	86	86	86	86	86	86	86	86	821449	814155	<0.2	0.7	<0.2	0.7					
SR3	Fine	Moderate	14:10	9.3						Surface	1.0	0.2	255	26.1	26.1	8.2	8.2	27.9	27.9	106.9	107.0	7.4	7.4	1.2	3	-	-	-	-	-	-	822161	807575	-	-	-	-		
											1.0	0.2	258	26.1	26.1	8.2	8.2	27.9	27.9	107.0	107.0	7.4	7.4	1.2	2	-	-	-	-	-	-	-	-	822161	807575	-	-	-	-
											4.7	0.2	254	25.9	25.9	8.2	8.2	27.9	27.9	105.1	104.9	7.3	7.3	1.1	3	-	-	-	-	-	-	-	-	822161	807575	-	-	-	-
					Middle	4.7	0.2	268	25.9	25.9	8.2	8.2	27.9	27.9	104.7	104.9	7.3	7.3	1.2	2	-	-	-	-	-	-	-	-	822161	807575	-	-	-	-					
						8.3	0.2	267	25.4	25.4	8.2	8.2	29.6	29.6	92.5	92.7	6.4	6.4	2.4	2	-	-	-	-	-	-	-	-	822161	807575	-	-	-	-					
						8.3	0.2	274	25.4	25.4	8.2	8.2	29.6	29.6	92.8	92.8	6.4	6.4	2.3	2	-	-	-	-	-	-	-	-	822161	807575	-	-	-	-					
					SR4A	Fine	Calm	15:21	8.4	Surface	1.0	1.7	52	25.6	25.6	8.1	8.1	29.7	29.8	105.8	105.6	7.3	7.3	3.0	<2	-	-	-	-	-	-	817167	807818	-	-	-	-		
											1.0	1.9	53	25.5	25.5	8.1	8.1	29.9	29.9	105.3	105.3	7.3	7.3	3.1	<2	-	-	-	-	-	-	-	-	817167	807818	-	-	-	-
											4.2	1.9	54	25.4	25.4	8.1	8.1	30.4	30.5	97.2	97.0	6.7	6.7	5.5	3	-	-	-	-	-	-	-	-	817167	807818	-	-	-	-
Middle	4.2	2.0	56	25.4						25.4	8.1	8.1	30.5	30.5	96.8	97.0	6.7	6.7	5.5	3	-	-	-	-	-	-	-	-	817167	807818	-	-	-	-					
	7.4	2.0	45	25.4						25.4	8.1	8.1	30.5	30.5	96.6	96.6	6.7	6.7	8.0	3	-	-	-	-	-	-	-	-	817167	807818	-	-	-	-					
	7.4	2.1	49	25.4						25.4	8.1	8.1	30.5	30.5	96.6	96.6	6.7	6.7	8.0	2	-	-	-	-	-	-	-	-	817167	807									

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 May 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
C1	Fine	Moderate	11:50	8.3	Surface	1.0	2.3	350	27.0	27.0	7.8	7.8	21.2	21.2	138.5	137.7	9.8	8.7	2.5	4	86	87	815624	804253	<0.2	1.0	1.0	1.1					
						1.0	2.3	322	27.0	7.8	7.8	21.1	21.1	136.9	137.7	9.7	8.7	2.6	4	85	87	<0.2	1.0	1.0	1.1								
						4.2	2.2	358	25.6	7.8	7.8	30.3	30.3	110.5	110.8	7.6	8.1	4.0	4	88	87	<0.2	1.0	1.0	1.1								
					Middle	4.2	2.4	329	25.6	7.8	7.8	30.3	30.3	111.0	110.8	7.6	8.1	4.1	3	88	87	<0.2	1.0	1.0	1.1								
						7.3	2.2	355	25.4	7.8	7.8	31.5	31.5	101.3	101.4	6.9	7.0	8.9	4	89	87	<0.2	1.2	1.2	1.1								
						7.3	2.2	327	25.4	7.8	7.8	31.5	31.5	101.5	101.4	7.0	7.0	8.7	3	88	87	<0.2	1.1	1.1	1.1								
					C2	Sunny	Moderate	13:17	11.4	Surface	1.0	0.6	175	27.0	27.0	8.1	8.1	20.4	20.4	114.1	114.1	8.1	8.1	3.2	5	86	88	825675	806950	<0.2	1.9	2.0	2.0
											1.0	0.7	186	27.0	8.1	8.1	20.4	20.4	114.1	114.1	8.1	8.1	3.2	4	86	88	<0.2	2.0	2.0	2.0			
											5.7	0.3	164	26.3	8.1	8.1	24.3	24.3	105.4	105.4	7.4	8.1	3.3	6	88	88	<0.2	2.0	2.0	2.0			
Middle	5.7	0.3	167	26.3						8.1	8.1	24.3	24.3	105.4	105.4	7.4	8.1	3.3	5	89	88	<0.2	2.0	2.0	2.0								
	10.4	0.2	111	26.0						8.0	8.0	26.6	26.6	98.2	98.2	6.9	6.9	3.7	5	91	88	<0.2	2.0	2.0	2.0								
	10.4	0.2	119	26.0						8.0	8.0	26.6	26.6	98.2	98.2	6.9	6.9	3.9	6	90	88	<0.2	2.0	2.0	2.0								
C3	Sunny	Moderate	10:44	11.5						Surface	1.0	0.5	114	26.2	26.2	8.1	8.1	26.5	26.5	126.3	126.3	8.8	8.8	2.7	4	84	88	822112	817816	<0.2	1.4	1.4	1.3
											1.0	0.5	118	26.2	8.1	8.1	26.5	26.5	126.2	126.3	8.8	8.8	2.7	5	84	88	<0.2	1.4	1.4	1.3			
											5.8	0.2	257	26.0	8.1	8.1	27.6	27.6	116.2	116.3	8.1	8.1	3.3	5	89	88	<0.2	1.3	1.3	1.3			
					Middle	5.8	0.2	259	26.0	8.1	8.1	27.5	27.6	116.3	116.3	8.1	8.1	3.2	4	89	88	<0.2	1.3	1.3	1.3								
						10.5	0.1	120	25.8	8.2	8.2	29.4	29.4	111.5	111.5	7.7	7.7	2.1	3	89	88	<0.2	1.3	1.3	1.3								
						10.5	0.1	130	25.8	8.2	8.2	29.5	29.4	111.4	111.5	7.7	7.7	2.2	4	90	88	<0.2	1.3	1.3	1.3								
					IM1	Fine	Moderate	12:11	4.7	Surface	1.0	0.1	134	27.3	27.3	7.8	7.8	20.8	20.8	145.1	145.0	10.2	10.2	2.4	4	86	87	817948	807139	<0.2	1.6	1.6	1.6
											1.0	0.1	143	27.3	7.8	7.8	20.8	20.8	144.8	145.0	10.2	10.2	2.5	3	87	87	<0.2	1.6	1.6	1.6			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3.7	0.1	311	25.6						7.8	7.8	29.3	29.3	101.7	101.8	7.0	7.1	13.6	4	88	88	<0.2	1.5	1.5	1.5								
	3.7	0.1	314	25.7						7.8	7.8	29.3	29.3	101.9	101.8	7.1	7.1	13.5	3	88	88	<0.2	1.5	1.5	1.5								
IM2	Fine	Moderate	12:19	6.5						Surface	1.0	2.4	4	26.4	26.5	7.7	7.7	24.1	24.0	133.1	133.2	9.4	8.4	3.2	4	86	87	818156	806152	<0.2	1.6	1.6	1.5
											1.0	2.5	4	26.5	7.7	7.7	24.0	24.0	133.3	133.3	9.4	8.4	3.2	3	85	87	<0.2	1.6	1.6	1.5			
											3.3	2.4	12	26.0	7.8	7.8	27.0	27.0	105.4	105.4	7.3	7.3	5.1	3	87	88	<0.2	1.4	1.4	1.4			
					Middle	3.3	2.5	12	26.0	7.8	7.8	27.0	27.0	105.3	105.3	7.3	7.3	5.2	4	88	88	<0.2	1.5	1.5	1.4								
						5.5	2.4	10	25.5	7.8	7.8	30.6	30.6	101.5	101.5	7.0	7.0	8.4	5	89	89	<0.2	1.4	1.4	1.4								
						5.5	2.6	10	25.5	7.8	7.8	30.6	30.6	101.5	101.5	7.0	7.0	8.1	4	89	89	<0.2	1.4	1.4	1.4								
					IM3	Fine	Moderate	12:27	6.7	Surface	1.0	2.5	354	26.7	26.7	7.7	7.7	21.7	21.7	138.2	138.1	9.8	8.4	2.8	4	86	85	818790	805589	<0.2	1.6	1.5	1.5
											1.0	2.6	326	26.7	7.7	7.7	21.7	21.7	138.0	138.0	9.8	8.4	2.8	3	85	88	<0.2	1.5	1.5	1.5			
											3.4	2.7	356	26.1	7.7	7.7	26.4	26.4	99.8	99.7	7.0	10.3	5	88	88	<0.2	1.5	1.5	1.5				
Middle	3.4	2.8	328	26.0						7.7	7.7	26.4	26.4	99.6	99.7	7.0	10.4	4	88	88	<0.2	1.5	1.5	1.5									
	5.7	2.9	357	25.6						7.6	7.6	30.0	30.0	97.3	97.4	6.7	6.7	11.2	4	89	89	<0.2	1.6	1.6	1.6								
	5.7	3.0	328	25.6						7.6	7.6	30.0	30.0	97.4	97.4	6.7	6.7	11.3	5	90	89	<0.2	1.4	1.4	1.4								
IM4	Fine	Moderate	12:37	7.8						Surface	1.0	2.0	340	26.4	26.4	7.7	7.7	24.6	24.6	112.4	112.4	7.9	7.9	6.0	5	85	86	819722	804597	<0.2	1.4	1.4	1.4
											1.0	2.0	353	26.4	7.7	7.7	24.6	24.6	112.3	112.3	7.9	7.9	6.0	4	86	88	<0.2	1.4	1.4	1.4			
											3.9	2.0	346	26.2	7.7	7.7	25.5	25.4	111.6	111.7	7.8	7.8	9.8	4	88	89	<0.2	1.5	1.5	1.4			
					Middle	3.9	2.1	356	26.2	7.7	7.7	25.4	25.4	111.7	111.7	7.8	7.8	9.8	3	89	89	<0.2	1.5	1.5	1.4								
						6.8	2.1	352	26.2	7.7	7.7	26.5	26.5	106.6	106.7	7.4	7.4	17.6	3	89	89	<0.2	1.4	1.4	1.3								
						6.8	2.3	324	26.2	7.7	7.7	26.5	26.5	106.7	106.7	7.4	7.4	17.1	4	89	89	<0.2	1.3	1.3	1.3								
					IM5	Fine	Moderate	12:47	7.3	Surface	1.0	2.2	339	26.7	26.7	7.7	7.7	23.3	23.3	130.8	130.8	9.2	9.0	3.9	9	85	88	820713	804881	<0.2	1.6	1.6	1.6
											1.0	2.3	348	26.7	7.7	7.7	23.4	23.3	130.7	130.8	9.2	9.0	4.1	9	85	88	<0.2	1.6	1.6	1.6			
											3.7	2.4	342	26.6	7.8	7.8	23.7	23.7	125.0	125.0	8.8	8.8	4.7	7	88	88	<0.2	1.6	1.6	1.6			
Middle	3.7	2.7	356	26.5						7.8	7.8	23.7	23.7	124.9	125.0	8.8	8.8	4.7	7	88	88	<0.2	1.5	1.5	1.6								
	6.3	2.4	347	26.2						7.8	7.8	25.6	25.6	108.6	108.6	7.6	7.6	12.9	4	88	88	<0.2	1.8	1.8	1.7								
	6.3	2.4	352	26.3						7.8	7.8	25.6	25.6	108.6	108.6	7.6	7.6	13.3	4	89	89	<0.2	1.7	1.7	1.7								
IM6	Fine	Moderate	12:56	7.0						Surface	1.0	2.1	354	26.6	26.6	7.7	7.7	23.7	23.8	117.9	117.8	8.3	8.0	5.0	5	86	87	821078	805825	<0.2	1.7	1.7	1.7
											1.0	2.2	359	26.5	7.7	7.7	23.9	23.8	117.7	117.9	8.3	8.0	5.2	6	86	87	<0.2	1.7	1.7	1.7			
											3.5	1.9	0	26.3	7.8	7.8	25.0	25.1	108.6	108.8	7.6	7.6	7.2	8	87	87	<0.2	1.7	1.7	1.7			
					Middle	3.5	1.9	0	26.3	7.8	7.8	25.1	25.1	109.0	108.8	7.6	7.6	7.5	9	87	87	<0.2	1.7	1.7	1.7								
						6.0	2.1	4	26.2	7.8	7.8	25.7	25.6	106.0	106.1	7.4	7.4	9.3	8	87	87	<0.2	1.6	1.6	1.6								
						6.0	2.3	4	26.2	7.8	7.8	25.6	25.6	106.1	106.1	7.4	7.4	9.3	8	88	88	<0.2	1.6	1.6	1.6								
					IM7	Fine	Moderate	13:05	8.0	Surface	1.0	1.8	191	26.7	26.7	7.6	7.6	23.2	23.3	123.5	123.5	8.7	8.3	4.7	8	85	8						



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

Water Quality Monitoring

Water Quality Monitoring Results on 08 May 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	Value	DA
C1	Fine	Rough	16:43	8.2	Surface	1.0	2.3	143	27.5	27.5	7.8	7.8	21.7	21.7	156.4	156.2	10.9	10.9	2.7	2.8	5	6	86	86	88	815609	804254	<0.2	1.4	<0.2	1.4					
						1.0	2.4	147	27.5	27.5	7.8	7.8	21.7	21.7	155.9	155.9	10.9	10.9	2.8	2.8	5	6	87	87				<0.2	1.4	<0.2	1.4					
						4.1	2.8	144	26.7	26.7	7.8	7.8	23.1	23.7	134.2	128.6	9.4	9.4	4.6	4.6	5	5	87	87				<0.2	1.4	<0.2	1.4					
					4.1	2.9	146	26.6	26.6	7.8	7.8	24.4	24.4	123.0	123.0	8.6	8.6	4.8	4.8	5	5	88	88	<0.2				1.5	<0.2	1.5						
					7.2	2.6	146	25.8	25.8	7.8	7.8	29.4	29.4	105.0	105.1	7.2	7.2	12.9	12.9	5	4	89	90	<0.2				1.4	<0.2	1.4						
					7.2	2.7	159	25.8	25.8	7.8	7.8	29.4	29.4	105.1	105.1	7.3	7.3	12.9	12.9	4	4	90	90	<0.2				1.4	<0.2	1.4						
					1.0	0.3	350	26.9	26.9	8.1	8.1	19.7	19.7	116.7	116.8	8.4	8.4	3.3	3.3	4	4	85	85	<0.2				1.9	<0.2	1.9						
					1.0	0.3	353	26.8	26.8	8.1	8.1	19.8	19.8	116.8	116.8	8.4	8.4	3.4	3.4	5	5	85	85	<0.2				2.1	<0.2	2.1						
					5.5	0.4	28	26.0	26.0	8.1	8.1	26.0	25.9	97.4	97.5	6.8	6.8	5.3	5.3	5	5	87	87	<0.2				1.9	<0.2	1.9						
5.5	0.4	28	26.0	26.0	8.1	8.1	25.9	25.9	97.5	97.5	6.8	6.8	5.2	5.2	5	5	87	87	<0.2	1.8	<0.2	1.8														
9.9	0.4	346	26.0	26.0	8.1	8.1	26.5	26.5	96.1	96.2	6.7	6.7	6.5	6.5	5	5	91	91	<0.2	1.9	<0.2	1.9														
9.9	0.4	350	26.0	26.0	8.1	8.1	26.5	26.5	96.2	96.2	6.7	6.7	6.5	6.5	6	6	90	90	<0.2	1.8	<0.2	1.8														
C2	Sunny	Moderate	15:33	10.9	Surface	1.0	0.3	241	27.3	27.3	8.0	8.0	22.4	22.4	159.0	158.7	11.1	11.1	2.5	2.5	5	5	84	84	88	825666	806936	<0.2	1.9	<0.2	1.9					
						1.0	0.3	246	27.3	27.3	8.0	8.0	30.4	30.4	98.4	98.4	6.8	6.8	3.9	3.9	5	5	84	84				<0.2	2.0	<0.2	2.0					
						5.8	0.4	252	25.5	25.5	8.0	8.0	30.4	30.4	98.4	98.4	6.8	6.8	3.8	3.8	6	6	85	85				<0.2	1.9	<0.2	1.9					
					5.8	0.4	271	25.5	25.5	8.0	8.0	30.4	30.4	98.3	98.3	6.8	6.8	3.8	3.8	6	6	85	85	<0.2				1.9	<0.2	1.9						
					10.5	0.4	266	25.3	25.3	8.1	8.1	31.9	31.9	93.3	93.4	6.4	6.4	19.0	19.0	6	6	88	88	<0.2				1.8	<0.2	1.8						
					10.5	0.4	279	25.3	25.3	8.1	8.1	31.9	31.9	93.5	93.4	6.4	6.4	20.1	20.1	6	6	88	88	<0.2				1.7	<0.2	1.7						
					1.0	0.3	244	27.8	27.8	7.7	7.7	21.1	21.1	144.6	142.9	10.1	10.1	2.3	2.3	4	4	85	85	<0.2				1.2	<0.2	1.2						
					1.0	0.3	258	27.8	27.8	7.7	7.7	21.1	21.1	141.2	141.2	9.9	9.9	10.0	10.0	2.3	2.3	5	5	85				85	<0.2	1.0	<0.2	1.0				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	88	817938	807136	<0.2	1.1	<0.2
3.3	0.2	266	25.8	25.8	7.8	7.8	29.3	29.3	105.0	105.8	7.3	7.3	14.2	14.2	4	4	90	90	<0.2	1.1	<0.2	1.1														
3.3	0.3	268	25.8	25.8	7.8	7.8	29.3	29.3	106.6	106.6	7.4	7.4	13.9	13.9	3	3	91	91	<0.2	1.1	<0.2	1.1														
IM2	Fine	Rough	16:12	6.5	Surface	1.0	2.4	20	27.4	27.4	7.7	7.7	22.5	22.5	141.9	141.8	9.9	9.9	3.5	3.5	4	4	85	85	88	818159	806180	<0.2	1.2	<0.2	1.2					
						1.0	2.6	20	27.4	27.4	7.7	7.7	22.5	22.5	141.6	141.6	9.9	9.9	3.7	3.7	4	4	85	85				<0.2	1.1	<0.2	1.1					
						3.3	2.7	25	25.9	25.9	7.7	7.7	26.4	26.4	133.3	132.1	9.3	9.3	4.7	4.7	3	3	89	89				<0.2	1.1	<0.2	1.1					
					3.3	2.8	27	25.8	25.8	7.7	7.7	26.4	26.4	130.8	130.8	9.2	9.2	5.3	5.3	2	2	89	89	<0.2				1.2	<0.2	1.2						
					5.5	2.7	20	25.7	25.7	7.7	7.7	30.4	30.4	104.7	104.9	7.2	7.2	7.6	7.6	6	6	90	90	<0.2				1.1	<0.2	1.1						
					5.5	2.8	20	25.7	25.7	7.7	7.7	30.4	30.4	105.1	104.9	7.2	7.2	7.3	7.3	3	3	90	90	<0.2				1.1	<0.2	1.1						
					1.0	1.9	195	26.8	26.8	7.7	7.7	23.7	23.7	135.0	134.9	9.5	9.5	3.1	3.1	4	4	85	85	<0.2				1.2	<0.2	1.2						
					1.0	2.0	196	26.8	26.8	7.7	7.7	23.7	23.7	134.7	134.7	9.4	9.4	3.3	3.3	4	4	85	85	<0.2				1.1	<0.2	1.1						
					3.5	1.9	199	25.7	25.7	7.7	7.7	28.8	28.8	101.2	102.0	7.0	7.0	7.9	7.9	4	4	87	87	<0.2				1.2	<0.2	1.2						
3.5	2.0	210	25.7	25.7	7.7	7.7	28.8	28.8	102.7	102.7	7.1	7.1	8.3	8.3	4	4	88	88	<0.2	1.1	<0.2	1.1														
6.0	2.0	204	25.6	25.6	7.7	7.7	30.3	30.3	99.2	99.3	6.8	6.8	14.5	14.5	5	5	90	90	<0.2	1.4	<0.2	1.4														
6.0	2.1	220	25.6	25.6	7.7	7.7	30.4	30.4	99.4	99.3	6.8	6.8	14.4	14.4	6	6	91	91	<0.2	1.5	<0.2	1.5														
IM4	Fine	Rough	15:56	7.7	Surface	1.0	2.8	170	26.9	26.8	7.7	7.7	19.8	19.8	141.7	140.5	10.1	10.1	4.7	4.9	4	4	86	86	89	819719	804585	<0.2	1.4	<0.2	1.4					
						1.0	3.0	182	26.7	26.7	7.7	7.7	19.8	19.8	139.2	139.2	10.0	10.0	4.9	4.9	3	3	87	87				<0.2	1.4	<0.2	1.4					
						3.9	2.9	169	26.2	26.2	7.7	7.7	24.9	24.9	105.6	105.4	7.4	7.4	8.0	8.0	5	5	89	89				<0.2	1.5	<0.2	1.5					
					3.9	3.1	176	26.2	26.2	7.7	7.7	24.9	24.9	105.2	105.4	7.4	7.4	8.3	8.3	4	4	89	89	<0.2				1.6	<0.2	1.6						
					6.7	2.5	164	26.0	26.0	7.7	7.7	27.0	26.9	99.8	99.9	7.0	7.0	9.3	9.3	5	5	90	90	<0.2				1.2	<0.2	1.2						
					6.7	2.7	167	26.1	26.1	7.7	7.7	27.0	26.9	99.9	99.9	7.0	7.0	8.8	8.8	4	4	90	90	<0.2				1.2	<0.2	1.2						
					1.0	1.8	338	27.1	27.1	7.7	7.7	19.7	19.7	146.3	145.9	10.4	10.4	3.7	3.9	3	3	86	86	<0.2				1.2	<0.2	1.2						
					1.0	1.9	355	27.1	27.1	7.7	7.7	19.7	19.7	145.5	145.9	10.4	10.4	3.9	3.9	4	4	86	86	<0.2				1.1	<0.2	1.1						
					3.7	2.1	338	26.7	26.7	7.7	7.7	23.3	23.3	126.8	127.0	8.9	8.9	6.8	6.8	2	2	89	89	<0.2				1.0	<0.2	1.0						
3.7	2.3	348	26.6	26.6	7.7	7.7	23.2	23.3	127.1	127.0	9.0	9.0	7.5	7.5	3	3	86	86	<0.2	1.2	<0.2	1.2														
6.3	2.0	347	26.4	26.4	7.7	7.7	24.7	24.7	111.0	111.0	7.8	7.8	10.5	10.5	3	3	90	90	<0.2	1.1	<0.2	1.1														
6.3	2.0	319	26.4	26.4	7.7	7.7	24.7	24.7	111.0	111.0	7.8	7.8	10.7	10.7	3	3	91	91	<0.2	1.1	<0.2	1.1														
IM6	Fine	Rough	15:40	6.8	Surface	1.0	1.3	2	27.2	27.2	7.7	7.7	20.6	20.6	141.7	141.4	10.0	10.0	3.2	3.4	5	5	88	88	89	821038	805844	<0.2	1.2	<0.2	1.2					
						1.0	1.3	2	27.2	27.2	7.7	7.7	20.7	20.6	141.1	141.4	10.0	10.0	3.4	3.4	5	5	87	87				<0.2	1.1	<0.2	1.1					
						3.4	1.5	4	26.8	26.8	7.8	7.8	22.8	22.8	130.5	130.5	9.2	9.2	4.7	4.7	5	5	89	89				<0.2	1.4</							





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

Water Quality Monitoring

Water Quality Monitoring Results on 11 May 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
						C1	Fine	Moderate	12:24	8.8	Surface	1.0	2.6	348	27.5	27.5	8.1	8.1	22.4	22.4	106.5	106.4	7.4	7.4	2.7			2.7	2	2	87	90	815623
					Middle	4.4	2.6	349	26.0	26.0	8.1	8.1	26.4	26.4	101.6	100.6	7.1	7.1	3.2	3.2	2	2	91	90	815623	804247	<0.2	1.5	<0.2	1.5			
					Bottom	7.8	2.8	321	26.0	25.9	8.1	8.1	30.7	30.7	93.4	93.7	6.4	6.4	10.3	10.3	<2	<2	92	90	815623	804247	<0.2	1.3	<0.2	1.5			
						7.8	2.9	327	25.9	25.9	8.1	8.1	30.6	30.6	94.0	93.7	6.4	6.4	10.1	10.1	<2	<2	92	90	815623	804247	<0.2	1.5	<0.2	1.5			
C2	Fine	Moderate	11:18	11.9	Surface	1.0	0.6	179	27.3	27.3	8.2	8.2	23.0	23.0	96.0	96.0	6.7	6.7	5.3	5.3	8	9	84	86	825680	806959	<0.2	1.5	<0.2	1.5			
					Middle	6.0	0.3	167	26.9	26.9	8.2	8.2	24.6	24.6	92.2	92.1	6.4	6.4	5.5	5.5	7	7	86	86	825680	806959	<0.2	1.4	<0.2	1.4			
					Bottom	10.9	0.2	124	26.5	26.5	8.2	8.2	27.1	27.1	88.4	89.5	6.2	6.2	7.5	7.5	12	12	88	86	825680	806959	<0.2	1.3	<0.2	1.3			
						10.9	0.2	136	26.5	26.5	8.2	8.2	27.1	27.1	89.5	89.5	6.2	6.2	7.4	7.4	11	11	88	86	825680	806959	<0.2	1.4	<0.2	1.4			
C3	Fine	Moderate	13:27	11.0	Surface	1.0	2.5	339	27.2	27.2	8.2	8.2	25.1	25.2	99.5	99.5	6.9	6.9	3.7	3.7	7	4	85	88	822099	817787	<0.2	1.5	<0.2	1.5			
					Middle	5.5	2.6	341	26.9	26.9	8.2	8.2	26.1	26.1	97.5	97.5	6.7	6.7	3.1	3.1	3	3	88	88	822099	817787	<0.2	1.6	<0.2	1.6			
					Bottom	10.0	2.8	358	26.2	26.2	8.3	8.3	29.2	29.2	91.6	91.6	6.3	6.3	4.4	4.4	3	3	91	88	822099	817787	<0.2	1.5	<0.2	1.4			
						10.0	3.0	329	26.2	26.2	8.3	8.3	29.2	29.2	91.6	91.6	6.3	6.3	4.4	4.4	3	3	91	88	822099	817787	<0.2	1.4	<0.2	1.4			
IM1	Fine	Moderate	12:03	5.2	Surface	1.0	0.2	168	27.4	27.4	8.2	8.2	22.1	22.1	110.1	110.1	7.7	7.7	2.4	2.4	3	2	87	88	817950	807142	<0.2	1.4	<0.2	1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	88	817950	807142	<0.2	-	<0.2	-		
					Bottom	4.2	0.1	221	27.3	27.3	8.2	8.2	22.6	22.6	104.9	104.8	7.3	7.3	3.8	3.8	<2	<2	89	88	817950	807142	<0.2	1.3	<0.2	1.3			
						4.2	0.2	229	27.3	27.3	8.2	8.2	22.7	22.7	104.6	104.6	7.3	7.3	3.8	3.8	<2	<2	88	88	817950	807142	<0.2	1.3	<0.2	1.3			
IM2	Fine	Moderate	11:55	7.0	Surface	1.0	1.9	26	27.2	27.2	8.2	8.2	22.9	22.9	107.6	107.5	7.5	7.5	3.5	3.5	2	3	86	90	818155	806145	<0.2	1.2	<0.2	1.1			
					Middle	3.5	2.3	33	26.8	26.8	8.2	8.2	24.2	24.2	96.1	96.0	6.7	6.7	7.1	7.1	2	2	91	90	818155	806145	<0.2	1.0	<0.2	1.0			
					Bottom	6.0	2.3	27	26.6	26.6	8.1	8.1	26.3	26.3	95.0	95.0	6.6	6.6	12.7	12.7	4	4	91	90	818155	806145	<0.2	1.1	<0.2	1.1			
						6.0	2.5	27	26.6	26.6	8.1	8.1	26.3	26.3	95.0	95.0	6.6	6.6	12.9	12.9	4	4	92	90	818155	806145	<0.2	1.0	<0.2	1.0			
IM3	Fine	Moderate	11:48	7.4	Surface	1.0	1.6	294	27.0	27.0	8.2	8.1	23.8	23.9	100.4	100.2	7.0	7.0	4.3	4.3	4	4	88	90	818760	805583	<0.2	1.2	<0.2	1.1			
					Middle	3.7	1.3	281	26.8	26.8	8.1	8.1	24.2	24.2	99.3	99.2	6.9	6.9	5.1	5.1	4	4	91	89	818760	805583	<0.2	1.1	<0.2	1.1			
					Bottom	6.4	1.4	314	26.5	26.5	8.1	8.1	27.2	27.2	94.9	95.0	6.5	6.5	13.4	13.4	4	4	92	89	818760	805583	<0.2	1.2	<0.2	1.2			
						6.4	1.4	328	26.5	26.5	8.1	8.1	27.2	27.2	95.1	95.0	6.5	6.5	13.6	13.6	3	3	92	89	818760	805583	<0.2	1.2	<0.2	1.2			
IM4	Fine	Moderate	11:39	8.4	Surface	1.0	1.5	181	27.0	27.0	8.1	8.1	23.3	23.3	98.3	98.3	6.9	6.9	6.5	6.5	4	4	87	90	819742	804630	<0.2	1.3	<0.2	1.2			
					Middle	4.2	0.7	183	26.4	26.4	8.1	8.1	27.5	27.5	93.4	93.4	6.5	6.5	9.6	9.6	5	5	90	89	819742	804630	<0.2	1.4	<0.2	1.3			
					Bottom	7.4	1.0	177	26.3	26.3	8.1	8.1	27.9	27.9	93.1	93.2	6.4	6.4	9.5	9.5	4	4	92	89	819742	804630	<0.2	1.3	<0.2	1.2			
						7.4	1.0	181	26.3	26.3	8.1	8.1	27.9	27.9	93.2	93.2	6.4	6.4	9.5	9.5	5	5	92	89	819742	804630	<0.2	1.2	<0.2	1.2			
IM5	Fine	Moderate	11:32	8.2	Surface	1.0	1.6	183	27.1	27.1	8.1	8.1	22.8	22.8	102.0	102.0	7.1	7.1	4.6	4.6	3	3	90	91	820757	804871	<0.2	1.5	<0.2	1.5			
					Middle	4.1	1.7	175	26.6	26.6	8.1	8.1	25.3	25.3	96.0	95.8	6.7	6.7	8.7	8.7	4	4	90	90	820757	804871	<0.2	1.4	<0.2	1.4			
					Bottom	7.2	1.4	180	26.4	26.4	8.1	8.1	27.3	27.3	95.4	95.5	6.6	6.6	11.9	11.9	4	4	92	91	820757	804871	<0.2	1.2	<0.2	1.2			
						7.2	1.4	194	26.5	26.5	8.1	8.1	27.3	27.3	95.6	95.5	6.6	6.6	11.9	11.9	5	5	92	91	820757	804871	<0.2	1.4	<0.2	1.4			
IM6	Fine	Moderate	11:24	7.6	Surface	1.0	1.9	344	27.1	27.1	8.1	8.1	21.6	21.6	104.0	103.9	7.3	7.3	6.0	6.0	3	2	87	89	821058	805826	<0.2	1.5	<0.2	1.5			
					Middle	3.8	1.8	351	26.8	26.8	8.1	8.1	24.7	24.7	96.3	96.2	6.7	6.7	9.1	9.1	3	3	89	89	821058	805826	<0.2	1.4	<0.2	1.4			
					Bottom	6.6	1.8	344	26.8	26.8	8.1	8.1	24.8	24.7	95.2	95.3	6.6	6.6	9.7	9.7	2	2	91	89	821058	805826	<0.2	1.4	<0.2	1.4			
						6.6	1.9	357	26.8	26.8	8.1	8.1	24.6	24.6	95.3	95.3	6.6	6.6	9.7	9.7	3	3	91	89	821058	805826	<0.2	1.5	<0.2	1.5			
IM7	Fine	Moderate	11:17	7.8	Surface	1.0	1.1	200	27.3	27.3	8.1	8.1	21.8	21.8	101.2	101.0	7.1	7.1	5.1	5.1	<2	<2	86	89	821335	806835	<0.2	1.4	<0.2	1.5			
					Middle	3.9	1.0	200	27.1	27.1	8.1	8.1	22.8	22.8	99.6	99.6	7.0	7.0	7.5	7.5	2	2	89	89	821335	806835	<0.2	1.5	<0.2	1.5			
					Bottom	6.8	0.9	199	27.0	27.0	8.1	8.1	23.4	23.4	99.7	99.8	7.0	7.0	8.9	8.9	2	2	91	89	821335	806835	<0.2	1.4	<0.2	1.5			
						6.8	0.9	211	27.0	27.0	8.1	8.1	23.4	23.4	99.9	99.9	7.0	7.0	8.8	8.8	3	3	91	89	821335	806835	<0.2	1.5	<0.2	1.5			
IM8	Fine	Moderate	11:42	7.9	Surface	1.0	2.4	290	27.4	27.4	8.2	8.2	22.1	22.1	96.2	96.2	6.7	6.7	4.5	4.5	4	5	85	87	821848	808160	<0.2	1.2	<0.2	1.3			
					Middle	4.0	2.4	274	27.0	27.0	8.2	8.2	23.8	23.8	90.3	90.3	6.3	6.3	5.7	5.7	6	6	87	87	821848	808160	<0.2	1.4	<0.2	1.4			
					Bottom																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 May 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	Value	DA		
IM9	Fine	Moderate	11:48	7.6	Surface	1.0	2.8	200	27.4	27.4	8.2	8.2	22.3	22.3	96.3	96.3	6.7	6.7	4.7	5	84	87	87	822082	808821	<0.2	1.4	1.5	1.5						
						1.0	2.8	218	27.4	8.2	8.2	22.3	22.3	96.3	96.3	6.7	6.7	4.8	5	84	87	87	87	87	87	87	87	87	87	87	87	87	87		
						3.8	2.8	215	26.9	26.9	8.2	8.2	24.5	24.5	91.2	91.2	6.4	6.4	5.7	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Middle	3.8	2.8	215	26.9	26.9	8.2	8.2	24.5	24.5	91.1	91.1	6.4	6.4	5.9	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						6.6	2.5	204	26.9	26.9	8.2	8.2	24.6	24.6	90.6	90.6	6.3	6.3	7.1	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						6.6	2.5	217	26.9	26.9	8.2	8.2	24.6	24.6	90.6	90.6	6.3	6.3	7.0	5	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Bottom	6.6	2.5	204	26.9	26.9	8.2	8.2	24.6	24.6	90.6	90.6	6.3	6.3	7.1	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						6.6	2.5	217	26.9	26.9	8.2	8.2	24.6	24.6	90.6	90.6	6.3	6.3	7.0	5	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						6.6	2.5	217	26.9	26.9	8.2	8.2	24.6	24.6	90.6	90.6	6.3	6.3	7.0	5	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
IM10	Fine	Moderate	11:55	8.1	Surface	1.0	2.7	198	27.3	27.3	8.2	8.2	22.7	22.7	96.7	96.7	6.8	6.8	4.7	4	84	87	87	822401	809774	<0.2	1.5	1.5	1.5						
						1.0	3.0	199	27.3	27.3	8.2	8.2	22.7	22.7	96.6	96.6	6.8	6.8	4.6	4	84	87	87	87	87	87	87	87	87	87	87	87			
						4.1	2.8	187	26.8	26.8	8.2	8.2	24.5	24.5	92.3	92.3	6.4	6.4	5.1	4	87	87	87	87	87	87	87	87	87	87	87	87	87		
					Middle	4.1	3.0	195	26.8	26.8	8.2	8.2	24.5	24.5	92.2	92.2	6.4	6.4	5.0	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						7.1	2.7	190	26.8	26.8	8.2	8.2	24.6	24.6	91.8	91.8	6.4	6.4	6.2	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						7.1	2.7	190	26.8	26.8	8.2	8.2	24.6	24.6	91.8	91.8	6.4	6.4	6.6	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					Bottom	7.1	2.7	190	26.8	26.8	8.2	8.2	24.6	24.6	91.8	91.8	6.4	6.4	6.2	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						7.1	2.7	190	26.8	26.8	8.2	8.2	24.6	24.6	91.8	91.8	6.4	6.4	6.6	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						7.1	2.7	190	26.8	26.8	8.2	8.2	24.6	24.6	91.8	91.8	6.4	6.4	6.6	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
IM11	Fine	Moderate	12:08	9.0	Surface	1.0	3.1	77	27.7	27.7	8.2	8.2	21.5	21.5	100.8	100.7	7.0	7.0	2.7	6	83	87	87	822069	811453	<0.2	1.5	1.5	1.5						
						1.0	3.2	78	27.7	27.7	8.2	8.2	21.5	21.5	100.6	100.6	7.0	7.0	2.8	5	84	87	87	87	87	87	87	87	87	87	87	87			
						4.5	2.8	78	27.2	27.2	8.2	8.2	23.5	23.5	96.7	96.7	6.7	6.7	3.0	5	87	87	87	87	87	87	87	87	87	87	87	87	87		
					Middle	4.5	3.1	80	27.2	27.2	8.2	8.2	23.5	23.5	96.7	96.7	6.7	6.7	3.0	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						8.0	3.2	81	27.0	27.0	8.3	8.3	23.8	23.8	94.5	94.6	6.6	6.6	5.0	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						8.0	3.3	86	27.0	27.0	8.3	8.3	23.8	23.8	94.6	94.6	6.6	6.6	5.2	3	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
					Bottom	8.0	3.2	81	27.0	27.0	8.3	8.3	23.8	23.8	94.5	94.6	6.6	6.6	5.0	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						8.0	3.3	86	27.0	27.0	8.3	8.3	23.8	23.8	94.6	94.6	6.6	6.6	5.2	3	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						8.0	3.3	86	27.0	27.0	8.3	8.3	23.8	23.8	94.6	94.6	6.6	6.6	5.2	3	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
IM12	Fine	Moderate	12:14	9.5	Surface	1.0	2.5	76	27.5	27.5	8.2	8.2	21.5	21.5	99.7	99.7	7.0	7.0	3.1	3	84	85	85	821442	812063	<0.2	1.5	1.5	1.5						
						1.0	2.6	79	27.5	27.5	8.2	8.2	21.5	21.5	99.7	99.7	7.0	7.0	3.1	4	85	87	87	87	87	87	87	87	87	87	87	87			
						4.8	2.6	64	27.1	27.1	8.2	8.2	23.6	23.6	93.3	93.2	6.5	6.5	4.0	3	87	88	88	88	88	88	88	88	88	88	88	88			
					Middle	4.8	2.7	67	27.1	27.1	8.2	8.2	23.7	23.7	93.0	93.0	6.5	6.5	4.1	4	88	89	89	89	89	89	89	89	89	89	89	89	89	89	
						8.5	2.7	61	26.9	26.9	8.2	8.2	24.8	24.8	89.3	89.4	6.2	6.2	5.3	4	90	90	90	90	90	90	90	90	90	90	90	90	90		
						8.5	2.9	62	26.9	26.9	8.2	8.2	24.8	24.8	89.4	89.4	6.2	6.2	5.3	3	90	90	90	90	90	90	90	90	90	90	90	90	90		
					Bottom	8.5	2.7	61	26.9	26.9	8.2	8.2	24.8	24.8	89.3	89.4	6.2	6.2	5.3	4	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						8.5	2.9	62	26.9	26.9	8.2	8.2	24.8	24.8	89.4	89.4	6.2	6.2	5.3	3	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						8.5	2.9	62	26.9	26.9	8.2	8.2	24.8	24.8	89.4	89.4	6.2	6.2	5.3	3	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
SR1A	Fine	Moderate	12:51	5.2	Surface	1.0	-	-	27.4	27.4	8.2	8.2	23.5	23.5	93.5	93.5	6.5	6.5	6.0	8	-	-	-	819974	812661	-	-	-	-						
						1.0	-	-	27.4	27.4	8.2	8.2	23.6	23.6	93.5	93.5	6.5	6.5	6.1	8	-	-	-	-	-	-	-	-	-	-					
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.2	-	-	27.1	27.2	8.2	8.2	24.4	24.4	93.4	93.4	6.5	6.5	6.6	6	-	-	-	-	-	-	-	-	-	-	-	-			
						4.2	-	-	27.2	27.2	8.2	8.2	24.4	24.4	93.4	93.4	6.5	6.5	6.6	5	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.2	-	-	27.1	27.2	8.2	8.2	24.4	24.4	93.4	93.4	6.5	6.5	6.6	6	-	-	-	-	-	-	-	-	-	-	-	-			
						4.2	-	-	27.2	27.2	8.2	8.2	24.4	24.4	93.4	93.4	6.5	6.5	6.6	5	-	-	-	-	-	-	-	-	-	-	-	-			
						4.2	-	-	27.2	27.2	8.2	8.2	24.4	24.4	93.4	93.4	6.5	6.5	6.6	5	-	-	-	-	-	-	-	-	-	-	-				
SR2	Fine	Moderate	13:07	4.8	Surface	1.0	0.4	89	27.7	27.7	8.3	8.3	22.6	22.6	100.6	100.6	7.0	7.0	3.6	7	87	87	87	821440	814182	<0.2	1.4	1.5							

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

Water Quality Monitoring Results on 11 May 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	Moderate	06:29	8.4	Surface	1.0	2.9	5	26.6	8.1	8.1	21.6	21.7	103.4	103.3	7.4	6.9	5.2	2	85	87	815629	804234	<0.2	1.3	<0.2	1.4						
						1.0	3.1	5	26.5	8.1	8.1	21.7	21.7	103.2	103.3	7.4	6.9	5.8	3	85	87	<0.2	1.4										
					Middle	4.2	3.1	5	25.7	8.1	8.1	31.0	31.2	93.4	93.4	6.4	6.4	9.6	3	88	88	<0.2	1.4										
						4.2	3.4	5	25.7	8.1	8.1	31.3	31.9	93.3	93.3	6.4	6.4	9.7	2	88	88	<0.2	1.4										
					Bottom	7.4	3.0	1	25.6	8.1	8.1	31.9	31.9	94.1	94.2	6.4	6.4	10.7	2	88	88	<0.2	1.4										
						7.4	3.0	1	25.6	8.1	8.1	31.9	31.9	94.3	94.3	6.4	6.4	10.1	<2	88	88	<0.2	1.4										
C2	Fine	Moderate	07:49	12.5	Surface	1.0	2.0	92	27.3	8.2	8.2	21.8	21.8	97.9	97.9	6.9	6.8	6.3	5	83	86	825691	806949	<0.2	1.6	<0.2	1.6						
						1.0	2.1	100	27.3	8.2	8.2	21.8	21.8	97.8	97.8	6.9	6.8	6.6	3	84	86	<0.2	1.5										
					Middle	6.3	2.1	88	27.1	8.2	8.2	22.8	22.8	95.1	95.1	6.7	6.7	7.5	3	86	86	<0.2	1.6										
						6.3	2.2	92	27.1	8.2	8.2	22.8	22.8	95.0	95.0	6.7	6.7	7.6	14	86	86	<0.2	1.6										
					Bottom	11.5	2.0	90	26.2	8.2	8.2	28.5	28.5	87.9	87.9	6.1	6.1	9.9	14	87	87	<0.2	1.6										
						11.5	2.1	92	26.2	8.2	8.2	28.5	28.5	87.9	87.9	6.1	6.1	10.0	11	87	87	<0.2	1.5										
C3	Cloudy	Moderate	05:29	11.3	Surface	1.0	1.9	314	26.9	8.3	8.3	24.7	24.7	99.4	99.3	6.9	6.7	2.2	3	85	88	822098	817802	<0.2	1.7	<0.2	1.6						
						1.0	2.1	330	26.9	8.3	8.3	24.8	24.8	99.2	99.2	6.9	6.7	2.2	2	85	88	<0.2	1.7										
					Middle	5.7	1.9	322	26.2	8.2	8.2	29.2	29.2	94.0	93.9	6.5	6.4	2.8	3	88	88	<0.2	1.6										
						5.7	2.0	344	26.2	8.2	8.2	29.2	29.2	93.8	93.8	6.4	6.4	2.9	3	88	88	<0.2	1.6										
					Bottom	10.3	1.8	330	25.9	8.3	8.3	30.6	30.6	82.1	82.2	6.3	6.3	4.9	4	90	90	<0.2	1.5										
						10.3	1.8	338	25.9	8.3	8.3	30.6	30.6	82.2	82.2	6.3	6.3	4.8	3	90	90	<0.2	1.4										
IM1	Fine	Moderate	06:47	5.2	Surface	1.0	2.0	53	27.0	8.1	8.1	23.5	23.5	101.0	100.9	7.1	7.1	4.0	<2	86	87	817965	807112	<0.2	1.4	<0.2	1.4						
						1.0	2.2	57	27.0	8.1	8.1	23.6	23.5	100.7	100.7	7.0	7.0	4.0	2	86	87	<0.2	1.4										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					Bottom	4.2	2.4	54	27.0	8.1	8.1	23.9	23.9	100.0	100.0	7.0	7.0	4.3	2	87	87	<0.2	1.4										
						4.2	2.5	56	27.0	8.1	8.1	23.9	23.9	100.0	100.0	7.0	7.0	4.3	3	87	87	<0.2	1.3										
IM2	Fine	Moderate	06:56	7.5	Surface	1.0	1.8	160	27.0	8.2	8.2	22.2	22.2	102.0	101.9	7.2	7.1	3.7	4	85	88	818161	806182	<0.2	1.4	<0.2	1.3						
						1.0	1.8	171	27.0	8.2	8.2	22.3	22.2	101.7	101.7	7.2	7.2	3.8	4	86	89	<0.2	1.3										
					Middle	3.8	1.9	154	26.9	8.2	8.2	24.1	24.2	99.1	99.0	6.9	6.9	4.4	5	89	90	<0.2	1.4										
						3.8	2.0	169	26.9	8.2	8.2	24.2	24.2	98.8	98.8	6.9	6.9	4.4	6	90	90	<0.2	1.4										
					Bottom	6.5	1.9	163	26.9	8.1	8.1	24.6	24.7	97.2	97.1	6.8	6.8	4.4	6	90	90	<0.2	1.2										
						6.5	2.0	173	26.8	8.1	8.1	24.7	24.7	96.9	96.9	6.7	6.7	4.6	5	90	90	<0.2	1.1										
IM3	Fine	Moderate	07:02	7.6	Surface	1.0	1.7	254	27.0	8.2	8.2	23.2	23.2	102.7	102.7	7.2	7.0	3.9	4	86	88	818797	805589	<0.2	1.6	<0.2	1.3						
						1.0	1.8	269	27.0	8.2	8.2	23.2	23.2	102.6	102.6	7.2	7.2	3.9	4	86	89	<0.2	1.5										
					Middle	3.8	1.9	248	26.8	8.2	8.2	24.5	24.6	96.9	96.8	6.8	6.8	5.9	4	89	89	<0.2	1.2										
						3.8	2.0	266	26.8	8.2	8.2	24.6	24.6	96.7	96.7	6.7	6.7	6.1	4	89	89	<0.2	1.2										
					Bottom	6.6	1.7	242	26.8	8.1	8.1	24.7	24.8	96.0	96.1	6.7	6.7	12.0	3	90	90	<0.2	1.2										
						6.6	1.8	243	26.8	8.1	8.1	24.8	24.8	96.2	96.2	6.7	6.7	13.2	4	90	90	<0.2	1.1										
IM4	Fine	Moderate	07:12	8.7	Surface	1.0	2.1	139	26.8	8.1	8.1	24.4	24.4	100.0	99.8	7.0	6.8	4.8	2	87	89	819715	804626	<0.2	1.1	<0.2	1.3						
						1.0	2.3	148	26.8	8.1	8.1	24.5	24.4	99.5	99.5	6.9	6.8	5.2	3	88	88	<0.2	1.2										
					Middle	4.4	2.0	144	26.7	8.1	8.1	25.4	25.4	97.0	97.0	6.7	6.7	7.9	4	90	90	<0.2	1.1										
						4.4	2.1	147	26.7	8.1	8.1	25.4	25.4	97.0	97.0	6.7	6.7	8.0	4	90	90	<0.2	1.1										
					Bottom	7.7	2.2	135	26.7	8.1	8.1	25.3	25.3	97.9	98.0	6.8	6.8	7.9	6	91	91	<0.2	1.5										
						7.7	2.4	141	26.7	8.1	8.1	25.3	25.3	98.1	98.1	6.8	6.8	7.7	5	85	85	<0.2	1.5										
IM5	Fine	Moderate	07:18	8.5	Surface	1.0	2.9	10	27.0	8.2	8.1	22.4	22.4	103.0	102.9	7.2	7.0	5.2	3	86	89	820732	804845	<0.2	1.6	<0.2	1.5						
						1.0	3.2	10	27.0	8.1	8.1	22.4	22.4	102.8	102.8	7.2	7.2	5.5	3	86	89	<0.2	1.4										
					Middle	4.3	2.9	8	26.8	8.1	8.1	24.6	24.6	96.7	96.7	6.7	6.7	8.6	3	90	90	<0.2	1.4										
						4.3	3.2	8	26.8	8.1	8.1	24.7	24.9	96.6	96.6	6.7	6.7	9.0	4	90	90	<0.2	1.4										
					Bottom	7.5	2.9	17	26.8	8.1	8.1	24.9	24.9	98.0	98.1	6.8	6.8	10.6	3	91	91	<0.2	1.5										
						7.5	3.0	17	26.8	8.1	8.1	24.9	24.9	98.2	98.2	6.8	6.8	10.5	4	91	91	<0.2	1.7										
IM6	Fine	Moderate	07:26	8.2	Surface	1.0	2.2	17	27.3	8.2	8.2	19.8	19.8	105.9	105.9	7.5	7.3	3.0	5	89	90	821057	805827	<0.2	1.4	<0.2	1.3						
						1.0	2.2	17	27.3	8.2	8.2	19.8	19.8	105.8	105.8	7.5	7.3	3.1	4	89	89	<0.2	1.5										
					Middle	4.1	2.5	21	27.1	8.1	8.1	22.5	22.5	100.6	100.4	7.1	7.1	3.8	4	89	89	<0.2	1.2										
						4.1	2.7	21	27.1	8.1	8.1	22.6	22.5	100.2	100.4	7.0	7.0	4.0	4	89	89	<0.2	1.2										
					Bottom	7.2	2.3	11	27.1	8.1	8.1	23.0	23.0	99.7	99.7	7.0	7.0	4.7	3	92	92	<0.2	1.1										
						7.2	2.3	11	27.1	8.1	8.1	23.0	23.0	99.7	99.7	7.0	7.0	4.7	4	92	92	<0.2	1.1										
IM7	Fine	Moderate	07:34	7.8	Surface	1.0	2.4	168	27.2	8.1	8.1	20.1	20.1	104.2	104.2	7.4	7.2	6.3	5	87	89	821333	806847	<0.2	1.2	<0.2	1.4						
						1.0	2.4	182	27.1	8.1	8.1	20.1	20.1	104.1	104.1	7.4	7.2	6.8	4	87	89	<0.2	1.2										
					Middle	3.9	2.4	163	27.0	8.1	8.1	22.9	22.9	99.9	99.9	7.0	7.0	11.2	4	89	89	<0.2	1.6										
						3.9	2.5	172	27.0	8.1	8.1	22.9	22.9	99.8	99.9	7.0	7.0	11.4	4	89	89	<0.2	1.5										
					Bottom	6.8	2.7	164	27.0	8.1	8.1	22.9	22.9	99.4	99.4	7.0	7.0	14.8	4	91	91	<0.2	1.4										
						6.8	2.9	168	27.0	8.1	8.1	22.9	22.9	99.3	99.3	7.0																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 May 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		Value		Value		Value		Value		Value		Value		Value				Value		Value		Value				
IM9	Fine	Moderate	07:15	7.9	Surface	1.0	2.7	88	27.2	8.2	8.2	21.7	21.7	93.8	93.7	6.6	6.6	5.6	6.6	4	6	84	86	822081	808829	<0.2	1.6	1.5	1.5					
						1.0	2.9	90	27.2	8.2	8.2	21.8	21.8	93.6	93.6	6.6	6.6	5.6	6.6	5	6	84	86	<0.2	1.5	1.5	1.5							
						4.0	2.6	98	27.2	8.2	8.2	22.4	22.4	91.0	90.9	6.4	6.4	6.5	6.5	6	6	86	86	<0.2	1.4	1.5	1.5							
					Middle	4.0	2.8	99	27.2	8.2	8.2	22.4	22.4	90.8	90.8	6.4	6.4	6.5	6.5	7	6	86	86	<0.2	1.5	1.5	1.5							
						6.9	2.7	85	26.7	8.2	8.2	25.5	25.4	87.4	87.5	6.1	6.1	7.7	7.7	8	8	88	88	<0.2	1.5	1.5	1.5							
						6.9	2.9	90	26.7	8.2	8.2	25.4	25.4	87.6	87.6	6.1	6.1	7.7	7.7	8	8	88	88	<0.2	1.5	1.5	1.5							
					IM10	Fine	Moderate	07:06	8.0	Surface	1.0	1.5	65	27.3	8.2	8.2	21.1	21.1	95.7	95.6	6.7	6.7	4.1	4.1	4	4	84	87	822397	809791	<0.2	1.4	1.5	1.3
											1.0	1.6	68	27.3	8.2	8.2	21.1	21.1	95.4	95.4	6.7	6.7	4.2	4.2	5	4	89	87	<0.2	1.5	1.5	1.2		
											4.0	1.7	79	27.1	8.2	8.2	23.3	23.3	93.8	93.8	6.6	6.6	5.5	5.5	5	5	87	87	<0.2	1.2	1.2	1.2		
Middle	4.0	1.8	80	27.1						8.2	8.2	23.3	23.3	93.8	93.8	6.6	6.6	5.5	5.5	4	4	87	87	<0.2	1.2	1.2	1.2							
	7.0	1.8	51	26.9						8.2	8.2	24.6	24.6	92.6	92.7	6.4	6.4	7.1	7.1	3	3	88	88	<0.2	1.3	1.3	1.3							
	7.0	1.9	52	26.9						8.2	8.2	24.6	24.6	92.7	92.7	6.4	6.4	7.0	7.0	4	4	89	89	<0.2	1.2	1.2	1.2							
IM11	Fine	Moderate	06:54	8.7						Surface	1.0	1.7	35	27.0	8.2	8.2	23.9	23.9	97.5	97.5	6.8	6.8	4.2	4.2	11	11	84	87	822047	811439	<0.2	1.4	1.3	1.3
											1.0	1.7	38	27.0	8.2	8.2	24.0	24.0	97.4	97.4	6.8	6.8	4.2	4.2	11	11	84	87	<0.2	1.3	1.3	1.3		
											4.4	1.7	46	26.9	8.2	8.2	24.1	24.2	96.1	96.1	6.7	6.7	4.3	4.3	6	5	87	87	<0.2	1.3	1.3	1.3		
					Middle	4.4	1.9	48	26.8	8.2	8.2	24.2	24.2	96.1	96.1	6.7	6.7	4.5	4.5	5	5	87	87	<0.2	1.2	1.2	1.2							
						7.7	1.9	44	26.5	8.2	8.2	27.2	27.2	89.9	89.8	6.2	6.2	6.4	6.4	5	5	88	88	<0.2	1.4	1.4	1.4							
						7.7	1.9	46	26.5	8.2	8.2	27.1	27.2	89.6	89.6	6.2	6.2	6.8	6.8	4	4	88	88	<0.2	1.4	1.4	1.4							
					IM12	Fine	Moderate	06:47	9.9	Surface	1.0	1.2	79	27.0	8.2	8.2	24.9	24.9	96.2	96.2	6.7	6.7	4.9	4.9	10	4	84	87	821452	812022	<0.2	1.6	1.5	1.5
											1.0	1.3	86	27.0	8.2	8.2	24.9	24.9	96.1	96.1	6.7	6.7	4.9	4.9	4	4	84	87	<0.2	1.5	1.5	1.5		
											5.0	1.2	70	26.6	8.2	8.2	26.1	26.1	92.3	92.3	6.4	6.4	5.8	5.8	4	7	87	87	<0.2	1.5	1.5	1.5		
Middle	5.0	1.3	70	26.6						8.2	8.2	26.1	26.1	92.3	92.3	6.4	6.4	5.7	5.7	8	8	87	87	<0.2	1.6	1.6	1.6							
	8.9	1.2	86	26.6						8.3	8.3	26.4	26.4	91.8	91.9	6.4	6.4	8.2	8.2	8	8	88	88	<0.2	1.5	1.5	1.5							
	8.9	1.2	88	26.6						8.3	8.3	26.4	26.4	91.9	91.9	6.4	6.4	8.4	8.4	7	7	88	88	<0.2	1.5	1.5	1.5							
SR1A	Fine	Calm	06:10	4.9						Surface	1.0	-	-	27.3	8.2	8.2	23.2	23.2	97.1	97.1	6.8	6.8	3.4	3.4	6	-	-	-	819982	812657	-	-	-	-
											1.0	-	-	27.3	8.2	8.2	23.2	23.2	97.1	97.1	6.8	6.8	3.4	3.4	5	-	-	-	-	-	-	-	-	
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.9	-	-	27.2	8.2	8.2	23.8	23.7	96.3	96.4	6.7	6.7	6.0	6.0	4	4	-	-	-	-	-	-	-	-	-				
						3.9	-	-	27.2	8.2	8.2	23.7	23.7	96.5	96.5	6.7	6.7	5.9	5.9	3	3	-	-	-	-	-	-	-	-					
					SR2	Fine	Moderate	05:50	4.7	Surface	1.0	0.2	122	27.0	8.3	8.3	23.4	23.4	97.9	97.8	6.8	6.8	4.7	4.7	4	4	87	86	821461	814175	<0.2	1.4	1.5	1.5
											1.0	0.2	132	27.0	8.3	8.3	23.5	23.4	97.7	97.7	6.8	6.8	5.1	5.1	4	4	86	86	<0.2	1.5	1.5	1.5		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.7	0.2	114	26.9						8.3	8.3	24.1	24.1	97.1	97.2	6.8	6.8	7.7	7.7	4	4	88	88	<0.2	1.5	1.5	1.5							
	3.7	0.2	119	26.9						8.3	8.3	24.1	24.1	97.3	97.3	6.8	6.8	7.5	7.5	3	3	88	88	<0.2	1.5	1.5	1.5							
SR3	Fine	Moderate	07:29	9.4						Surface	1.0	2.6	347	27.3	8.2	8.2	20.3	20.3	96.7	96.6	6.8	6.8	3.6	3.6	3	-	-	-	822150	807593	-	-	-	-
											1.0	2.7	319	27.3	8.2	8.2	20.4	20.4	96.4	96.4	6.8	6.8	3.6	3.6	4	-	-	-	-	-	-	-		
											4.7	2.7	355	27.1	8.2	8.2	21.7	21.7	93.7	93.7	6.6	6.6	5.5	5.5	5	5	-	-	-	-	-	-		
					Middle	4.7	2.9	327	27.1	8.2	8.2	21.8	21.7	93.7	93.7	6.6	6.6	5.4	5.4	5	5	-	-	-	-	-	-							
						8.4	2.5	359	27.0	8.2	8.2	23.2	23.2	93.4	93.5	6.5	6.5	6.9	6.9	5	5	-	-	-	-	-	-							
						8.4	2.7	332	27.0	8.2	8.2	23.2	23.2	93.5	93.5	6.5	6.5	6.7	6.7	5	5	-	-	-	-	-	-							
					SR4A	Fine	Moderate	06:05	8.7	Surface	1.0	1.5	312	27.0	8.2	8.2	23.1	23.1	103.1	103.0	7.2	7.2	4.6	4.6	3	-	-	-	817182	807789	-	-	-	-
											1.0	1.5	335	27.0	8.2	8.2	23.1	23.1	102.9	102.9	7.2	7.2	4.9	4.9	2	-	-	-	-	-	-			
											4.4	1.5	312	27.0	8.2	8.2	23.4	23.4	101.2	101.1	7.1	7.1	7.9	7.9	2	-	-	-	-	-				
Middle	4.4	1.7	319	27.0						8.2	8.2	23.5	23.4	101.0	101.0	7.1	7.1	7.9	7.9	3	-	-	-	-	-									
	7.7	1.9	312	27.0						8.1	8.1	23.6	23.6	100.5	100.5	7.0	7.0	13.4	13.4	<2	<2	-	-	-	-									
	7.7	2.0	333	27.0						8.1	8.1	23.7	23.6	100.5	100.5	7.0	7.0	13.6	13.6	<2	<2	-	-	-	-									
SR5A	Fine	Moderate	05:46	3.7						Surface	1.0	0.0	34	27.6	8.1	8.1	23.0	23.0	108.3	108.3	7.5	7.5	4.0	4.0	4	-	-	-	816614	810692	-	-	-	-
											1.0	0.0	34	27.6	8.1	8.1	23.0	23.0	108.2	108.2	7.5	7.5	4.0	4.0	3	-	-	-	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.7	0.0	81	27.5	8.1	8.1	23.0	23.0	107.7	107.7	7.5	7.5	4.0	4.0	4	-	-	-	-	-									
						2.7	0.0	83	27.5	8.1	8.1	23.0	23.0	107.6	107.6	7.5	7.5	4.0	4.0	5	-	-	-	-	-									
					SR6A	Fine	Moderate	05:19	4.7	Surface	1.0	0.1	147	27.2	8.1	8.1	22.5	22.5	104.6	104.6	7.3	7.3	4.5	4.5	4	-	-	-	817980	814730	-	-	-	-
											1.0	0.1	156	27.2	8.1	8.1	22.5	22.5																

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 May 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	13:30	8.1	Surface	1.0	1.7	188	28.3	8.3	8.3	23.3	23.3	111.4	111.3	7.6	7.6	3.7	3.7	3	3	89	92	815623	804225	<0.2	1.3	1.4	1.4					
						1.0	1.7	191	28.3	8.3	8.3	23.3	23.3	111.2	111.2	7.6	7.6	3.7	3.7	4	4	90	92	<0.2	1.3	1.4	1.4							
						4.1	2.0	180	27.1	8.3	8.3	25.9	25.9	91.2	91.2	6.3	6.3	5.6	5.6	4	4	93	94	<0.2	1.3	1.4	1.4							
					Middle	4.1	2.1	188	27.1	8.3	8.3	25.9	25.9	91.2	91.2	6.3	6.3	5.6	5.6	3	3	94	94	<0.2	1.3	1.4	1.4							
						7.1	2.0	183	26.2	8.2	8.2	29.9	29.9	84.7	84.8	5.8	5.8	18.1	18.1	4	4	94	94	<0.2	1.3	1.4	1.4							
						7.1	2.2	199	26.2	8.2	8.2	29.9	29.9	84.9	84.9	5.8	5.8	18.1	18.1	5	5	94	94	<0.2	1.3	1.4	1.4							
					C2	Fine	Calm	12:16	12.0	Surface	1.0	1.6	87	27.8	8.1	8.1	21.8	21.8	87.5	87.3	6.1	6.1	3.4	3.4	2	3	88	91	825703	806950	<0.2	1.3	1.3	1.3
											1.0	1.7	94	27.8	8.1	8.1	21.9	21.8	87.1	87.1	6.1	6.1	3.4	3.4	3	3	88	91	<0.2	1.3	1.3	1.3		
											6.0	1.7	98	27.4	8.1	8.1	22.6	22.6	85.4	85.3	6.0	6.0	6.7	6.7	3	3	91	91	<0.2	1.3	1.3	1.3		
Middle	6.0	1.7	105	27.3						8.1	8.1	22.6	22.6	85.1	85.1	6.0	6.0	6.7	6.7	3	3	91	91	<0.2	1.3	1.3	1.3							
	11.0	2.0	70	27.2						8.0	8.0	26.1	26.1	81.5	81.5	5.6	5.6	7.1	7.1	4	4	93	93	<0.2	1.3	1.3	1.3							
	11.0	2.1	73	27.2						8.0	8.0	26.1	26.1	81.5	81.5	5.6	5.6	7.1	7.1	3	3	94	94	<0.2	1.3	1.3	1.3							
C3	Fine	Calm	14:05	12.0						Surface	1.0	2.2	57	28.3	8.1	8.1	22.7	22.7	103.2	103.2	7.1	7.1	1.1	1.1	2	3	86	89	822091	817823	<0.2	1.3	1.3	1.3
											1.0	2.3	61	28.2	8.1	8.1	22.8	22.7	103.1	103.1	7.1	7.1	1.1	1.1	3	3	87	89	<0.2	1.3	1.3	1.3		
											6.0	1.9	66	27.9	8.1	8.1	24.0	24.1	94.8	94.6	6.5	6.5	2.6	2.6	3	3	88	89	<0.2	1.3	1.3	1.3		
					Middle	6.0	2.0	66	27.9	8.1	8.1	24.2	24.1	94.4	94.4	6.5	6.5	2.7	2.7	3	3	89	93	<0.2	1.3	1.3	1.3							
						11.0	2.1	61	27.7	8.1	8.1	24.8	24.8	93.7	93.8	6.4	6.4	3.2	3.2	4	4	93	93	<0.2	1.3	1.3	1.3							
						11.0	2.1	66	27.7	8.1	8.1	24.8	24.8	93.8	93.8	6.4	6.4	3.2	3.2	3	3	93	93	<0.2	1.3	1.3	1.3							
					IM1	Cloudy	Moderate	13:09	5.1	Surface	1.0	0.2	134	28.4	8.2	8.2	22.2	22.2	113.4	113.4	7.8	7.8	3.3	3.3	5	4	86	87	817962	807142	<0.2	1.5	1.4	1.4
											1.0	0.2	145	28.4	8.2	8.2	22.2	22.2	113.3	113.3	7.8	7.8	3.3	3.3	4	4	87	87	<0.2	1.5	1.4	1.4		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4.1	0.2	145	27.7						8.2	8.2	23.3	23.3	98.7	98.8	6.8	6.8	8.4	8.4	6	6	92	92	<0.2	1.3	1.3	1.3							
	4.1	0.2	149	27.8						8.2	8.2	23.3	23.3	98.8	98.8	6.8	6.8	8.6	8.6	5	5	92	92	<0.2	1.3	1.3	1.3							
IM2	Cloudy	Moderate	13:01	7.0						Surface	1.0	2.0	337	28.3	8.2	8.2	22.3	22.3	113.3	113.2	7.8	7.8	2.6	2.6	2	2	86	86	818185	806155	<0.2	1.3	1.3	1.3
											1.0	2.1	310	28.3	8.2	8.2	22.3	22.3	113.1	113.1	7.8	7.8	2.6	2.6	2	2	86	86	<0.2	1.3	1.3	1.3		
											3.5	2.1	338	27.6	8.2	8.2	23.7	23.7	94.5	94.5	6.5	6.5	4.0	4.0	2	3	90	91	<0.2	1.5	1.4	1.4		
					Middle	3.5	2.2	352	27.6	8.2	8.2	23.7	23.7	94.5	94.5	6.5	6.5	4.0	4.0	2	3	91	91	<0.2	1.5	1.4	1.4							
						6.0	1.9	345	27.3	8.2	8.2	25.3	25.3	87.9	87.9	6.1	6.1	8.3	8.3	3	3	91	91	<0.2	1.3	1.3	1.3							
						6.0	2.0	350	27.3	8.2	8.2	25.3	25.3	87.8	87.8	6.1	6.1	8.2	8.2	4	4	92	92	<0.2	1.3	1.3	1.3							
					IM3	Cloudy	Moderate	12:52	7.3	Surface	1.0	1.8	136	27.9	8.2	8.2	23.3	23.3	95.9	95.8	6.6	6.6	5.2	5.2	3	3	89	88	818776	805584	<0.2	1.3	1.3	1.3
											1.0	1.9	138	27.8	8.2	8.2	23.4	23.3	95.7	95.7	6.6	6.6	5.3	5.3	3	3	88	88	<0.2	1.3	1.3	1.3		
											3.7	1.9	134	27.2	8.2	8.2	25.1	25.2	88.2	88.1	6.1	6.1	8.3	8.3	3	3	91	91	<0.2	1.3	1.3	1.3		
Middle	3.7	2.0	145	27.2						8.2	8.2	25.2	25.2	88.0	88.0	6.1	6.1	8.4	8.4	4	4	91	91	<0.2	1.3	1.3	1.3							
	6.3	1.9	129	27.1						8.2	8.2	25.8	25.8	87.3	87.4	6.0	6.0	12.5	12.5	4	4	92	92	<0.2	1.3	1.3	1.3							
	6.3	2.1	138	27.1						8.2	8.2	25.8	25.8	87.4	87.4	6.0	6.0	13.0	13.0	3	3	92	92	<0.2	1.3	1.3	1.3							
IM4	Cloudy	Moderate	12:42	8.5						Surface	1.0	1.3	184	27.6	8.2	8.2	23.9	23.9	90.4	90.5	6.2	6.2	7.3	7.3	9	8	87	88	819703	804603	<0.2	1.3	1.3	1.3
											1.0	1.4	188	27.6	8.2	8.2	23.9	23.9	90.5	90.5	6.2	6.2	7.2	7.2	8	7	88	90	<0.2	1.3	1.3	1.3		
											4.3	1.2	160	27.0	8.2	8.2	26.0	26.0	88.4	88.4	6.1	6.1	8.6	8.6	7	7	90	90	<0.2	1.3	1.3	1.3		
					Middle	4.3	1.2	161	27.0	8.2	8.2	26.0	26.0	88.3	88.3	6.1	6.1	9.0	9.0	7	7	90	91	<0.2	1.3	1.3	1.3							
						7.5	0.8	177	26.7	8.2	8.2	27.3	27.3	85.3	85.4	5.9	5.9	12.7	12.7	5	5	91	92	<0.2	1.3	1.3	1.3							
						7.5	0.9	187	26.7	8.2	8.2	27.3	27.3	85.4	85.4	5.9	5.9	12.4	12.4	6	6	92	92	<0.2	1.3	1.3	1.3							
					IM5	Cloudy	Moderate	12:34	8.3	Surface	1.0	1.0	181	27.8	8.2	8.2	22.7	22.5	98.6	98.6	6.8	6.8	4.7	4.7	<2	<2	92	92	820735	804886	<0.2	1.3	1.2	1.2
											1.0	1.1	196	27.8	8.2	8.2	22.3	22.5	98.6	98.6	6.8	6.8	4.7	4.7	<2	<2	92	92	<0.2	1.3	1.2	1.2		
											4.2	0.8	153	26.9	8.2	8.2	26.4	26.3	88.8	88.8	6.1	6.1	8.7	8.6	<2	<2	92	93	<0.2	1.2	1.2	1.2		
Middle	4.2	0.8	153	26.9						8.2	8.2	26.3	26.3	88.8	88.8	6.1	6.1	8.6	8.6	<2	<2	93	93	<0.2	1.2	1.2	1.2							
	7.3	1.0	159	26.8						8.2	8.2	27.0	27.0	86.7	86.8	6.0	6.0	9.7	9.7	<2	<2	93	93	<0.2	1.2	1.2	1.2							
	7.3	1.0	164	26.8						8.2	8.2	27.0	27.0	86.8	86.8	6.0	6.0	9.7	9.7	<2	<2	94	94	<0.2	1.2	1.2	1.2							
IM6	Cloudy	Moderate	12:26	7.8						Surface	1.0	0.4	35	28.2	8.2	8.2	20.9	20.9	101.2	101.2	7.0	7.0	4.0	4.0	4	5	88	92	821074	805845	<0.2	1.1	1.2	1.2
											1.0	0.4	37	28.2	8.2	8.2	20.9	20.9	101.1	101.1	7.0	7.0	4.0	4.0	5	5	88	92	<0.2	1.1	1.2	1.2		
											3.9	0.4	52	27.2	8.2	8.2	25.1	25.1	88.9	88.9	6.1	6.1	5.6	5.6	5	4	92	92	<0.2	1.1	1.2	1.2		
					Middle	3.9	0.4	54	27.2	8.2	8.2	25.1	25.1	88.9	88.9	6.1	6.1	5.6	5.6	4	4	92	92	<0.2	1.1	1.2	1.							

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 May 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	Value	DA
IM9	Fine	Calm	12:42	7.4	Surface	1.0	1.9	37	27.9	8.1	8.1	21.2	21.2	91.0	90.5	6.4	6.0	3.9	4	87	90	822086	808806	<0.2	1.2	<0.2	1.2						
						1.0	2.0	38	27.8	8.1	8.1	21.2	21.2	90.0	6.3	4.0	5	87	90	822086	808806	<0.2	1.2										
						3.7	2.0	34	27.7	8.1	8.1	23.0	23.0	82.7	5.7	7.0	3	89	90	822086	808806	<0.2	1.2										
					Middle	3.7	2.0	34	27.7	8.1	8.1	23.0	23.0	82.7	5.7	6.9	4	91	90	822086	808806	<0.2	1.2										
						6.4	2.0	32	27.8	8.1	8.1	23.0	23.0	83.2	5.8	8.7	2	92	90	822086	808806	<0.2	1.2										
						6.4	2.2	32	27.8	8.1	8.1	23.0	23.0	83.5	5.8	8.7	3	92	90	822086	808806	<0.2	1.2										
					Bottom	1.0	1.9	43	27.9	8.1	8.1	22.3	22.4	92.1	6.4	2.7	7	87	90	822086	808806	<0.2	1.3										
						1.0	2.0	44	27.8	8.1	8.1	22.4	22.4	91.4	6.3	2.8	8	87	90	822086	808806	<0.2	1.2										
						3.8	2.1	48	27.7	8.1	8.1	22.8	22.8	86.6	6.0	6.0	6	91	90	822086	808806	<0.2	1.1										
Middle	3.8	2.2	48	27.8	8.1	8.1	22.8	22.8	86.3	6.0	6.0	5	91	90	822086	808806	<0.2	1.3															
	6.6	2.2	40	27.8	8.1	8.1	23.1	23.1	85.6	5.9	6.6	4	92	90	822086	808806	<0.2	1.4															
	6.6	2.2	40	27.8	8.1	8.1	23.1	23.1	85.9	5.9	6.7	5	92	90	822086	808806	<0.2	1.4															
IM10	Fine	Calm	12:48	7.6	Surface	1.0	1.9	43	27.9	8.1	8.1	22.3	22.4	92.1	91.8	6.4	6.2	2.7	7	87	90	822362	809809	<0.2	1.3	<0.2	1.3						
						1.0	2.0	44	27.8	8.1	8.1	22.4	22.4	91.4	6.3	2.8	8	87	90	822362	809809	<0.2	1.2										
						3.8	2.1	48	27.7	8.1	8.1	22.8	22.8	86.6	6.0	6.0	6	91	90	822362	809809	<0.2	1.1										
					Middle	3.8	2.2	48	27.8	8.1	8.1	22.8	22.8	86.3	6.0	6.0	5	91	90	822362	809809	<0.2	1.3										
						6.6	2.2	40	27.8	8.1	8.1	23.1	23.1	85.6	5.9	6.6	4	92	90	822362	809809	<0.2	1.4										
						6.6	2.2	40	27.8	8.1	8.1	23.1	23.1	85.9	5.9	6.7	5	92	90	822362	809809	<0.2	1.4										
					Bottom	1.0	1.9	46	28.0	8.1	8.1	21.9	21.9	93.5	6.5	2.6	6	86	90	822038	811454	<0.2	1.4										
						1.0	1.9	46	27.9	8.1	8.1	22.0	21.9	92.5	6.4	2.7	7	87	90	822038	811454	<0.2	1.3										
						4.0	2.1	54	27.9	8.1	8.1	22.3	22.3	86.6	6.0	4.6	7	90	90	822038	811454	<0.2	1.3										
Middle	4.0	2.1	58	27.9	8.1	8.1	22.3	22.3	86.5	6.0	4.6	6	90	90	822038	811454	<0.2	1.3															
	7.0	2.0	44	27.9	8.1	8.1	22.5	22.4	87.0	6.0	7.0	5	93	90	822038	811454	<0.2	1.3															
	7.0	2.2	46	27.9	8.1	8.1	22.4	22.4	87.3	6.0	7.0	5	91	90	822038	811454	<0.2	1.3															
IM11	Fine	Calm	13:00	8.0	Surface	1.0	2.1	56	28.0	8.1	8.1	20.4	20.4	93.8	93.3	6.6	6.1	2.6	4	86	89	821460	812035	<0.2	1.4	<0.2	1.4						
						1.0	2.3	59	28.0	8.1	8.1	20.5	20.4	92.8	6.5	2.6	5	86	89	821460	812035	<0.2	1.3										
						4.6	2.3	42	27.8	8.1	8.1	23.2	23.2	81.8	5.7	3.9	4	87	89	821460	812035	<0.2	1.3										
					Middle	4.6	2.4	44	27.8	8.1	8.1	23.3	23.2	81.5	5.6	4.0	5	90	89	821460	812035	<0.2	1.4										
						8.2	2.1	46	27.8	8.1	8.1	23.5	23.5	81.7	5.6	4.4	4	92	89	821460	812035	<0.2	1.5										
						8.2	2.3	49	27.8	8.1	8.1	23.5	23.5	82.1	5.7	4.3	3	92	89	821460	812035	<0.2	1.5										
					Bottom	1.0	-	-	28.2	8.1	8.1	20.9	21.0	95.5	6.6	5.1	4	-	-	819974	812654	-	-	-	-			-	-	-	-		
						1.0	-	-	28.1	8.1	8.1	21.0	21.0	95.0	6.6	5.0	5	-	-	819974	812654	-	-	-	-			-	-	-	-		
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.2	-	-	27.9	8.1	8.1	23.1	23.1	88.2	6.1	7.8	6	-	-	819974	812654	-	-	-	-	-	-	-	-	-								
	3.2	-	-	27.9	8.1	8.1	23.2	23.1	88.2	6.1	7.8	5	-	-	819974	812654	-	-	-	-	-	-	-	-	-								
SR2	Fine	Calm	13:46	3.6	Surface	1.0	0.5	31	28.3	8.1	8.1	21.6	21.6	94.6	94.5	6.5	6.5	4.2	4	90	92	821474	814161	<0.2	1.2	<0.2	1.3						
						1.0	0.5	32	28.2	8.1	8.1	21.7	21.6	94.4	6.5	4.1	3	91	92	821474	814161	<0.2	1.4										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
						2.6	0.3	47	28.1	8.0	8.0	22.3	22.3	91.1	6.3	6.0	3	92	92	821474	814161	<0.2	1.3										
						2.6	0.3	48	28.1	8.0	8.0	22.3	22.3	91.2	6.3	5.9	4	93	92	821474	814161	<0.2	1.2										
					Bottom	1.0	1.3	33	28.2	8.1	8.1	20.6	20.5	91.7	6.4	2.1	4	-	-	822141	807593	-	-	-	-			-	-	-	-		
						1.0	1.4	33	28.2	8.1	8.1	20.6	20.5	92.4	6.4	2.0	3	-	-	822141	807593	-	-	-	-			-	-	-	-		
						4.5	1.3	38	27.6	8.1	8.1	23.2	23.2	81.9	5.7	3.4	3	-	-	822141	807593	-	-	-	-			-	-	-			
Middle	4.5	1.3	40	27.6	8.1	8.1	23.2	23.2	81.9	5.7	3.4	4	-	-	822141	807593	-	-	-	-	-	-	-	-									
	8.0	1.5	39	27.6	8.1	8.1	23.3	23.3	82.0	5.7	6.9	3	-	-	822141	807593	-	-	-	-	-	-	-										
	8.0	1.5	40	27.6	8.1	8.1	23.3	23.3	82.0	5.7	6.9	3	-	-	822141	807593	-	-	-	-	-	-	-										
SR4A	Cloudy	Calm	13:56	8.7	Surface	1.0	2.0	108	28.5	8.2	8.2	22.4	22.4	110.2	110.1	7.5	7.1	4.1	5	-	-	817193	807792	-	-	-	-						
						1.0	2.1	114	28.5	8.2	8.2	22.4	22.4	109.9	7.5	4.2	5	-	-	817193	807792	-	-	-	-	-	-						
						4.4	1.9	108	27.8	8.2	8.2	23.3	23.3	97.8	6.8	6.0	4	-	-	817193	807792	-	-	-	-	-	-						
					Middle	4.4	2.0	109	27.8	8.2	8.2	23.3	23.3	97.5	6.7	6.1	5	-	-	817193	807792	-	-	-	-	-	-	-					
						7.7	2.0	112	27.5	8.2	8.2	24.6	24.6	83.9	5.8	11.0	4	-	-	817193	807792	-	-	-	-	-	-						
						7.7	2.0	112	27.5	8.2	8.2	24.6	24.6	84.1	5.8	10.9	5	-	-	817193	807792	-	-	-	-	-	-						
					Bottom	1.0	0.1	325	28.6	8.2	8.2	22.8	22.8	107.0	7.3	4.8	5	-	-	816587	810702	-	-	-	-	-	-						
						1.0	0.1	336	28.6	8.2	8.2	22.8	22.8	106.9	7.3	4.8	6	-	-	816587	810702	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816587	810702	-	-	-	-	-	-					
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816587	810702	-	-	-	-	-	-										
	2.1	0.1	312	28.3	8.2	8.2	22.9	22.9	100.9	6.9	6.3	4	-	-	816587	810702	-	-	-	-	-	-											
	2.1	0.1	334	28.3	8.2	8.2	22.9	22.9	100.5	6.9	6.5	5	-	-	816587	810702	-	-	-	-	-	-											
SR5A	Cloudy	Calm	14:16	3.1	Surface	1.0	0.0																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 May 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
C1	Cloudy	Moderate	07:40	8.9	Surface	1.0	0.8	199	27.5	27.5	8.1	8.1	23.0	23.0	98.9	98.9	6.9	6.9	3.5	2	85	87	815639	804230	<0.2	1.1	1.2	1.2						
						1.0	0.9	211	27.5	8.1	8.1	22.9	22.9	98.9	98.9	6.9	6.9	3.7	2	85	87	<0.2	1.1	1.2	1.2									
						4.5	0.7	192	26.6	8.1	8.1	28.3	28.3	88.9	89.0	6.1	6.1	9.9	2	88	89	<0.2	1.1	1.2	1.2									
					Middle	4.5	0.7	201	26.6	8.1	8.1	28.3	28.3	89.0	89.0	6.1	6.1	9.8	3	88	89	<0.2	1.1	1.2	1.2									
						7.9	0.9	194	26.5	8.1	8.1	29.0	29.0	87.7	87.7	6.0	6.0	11.1	3	89	89	<0.2	1.1	1.2	1.2									
						7.9	1.0	194	26.5	8.1	8.1	29.0	29.0	87.9	87.9	6.0	6.0	11.2	4	89	89	<0.2	1.1	1.2	1.2									
					C2	Fine	Calm	08:53	12.0	Surface	1.0	1.9	12	28.0	28.0	7.9	7.9	18.4	18.4	89.2	89.0	6.3	6.3	2.9	4	85	89	825697	806947	<0.2	1.3	1.3	1.3	
											1.0	2.0	13	28.0	7.9	7.9	18.4	18.4	88.8	88.8	6.3	6.3	2.8	3	86	89	<0.2	1.2	1.3	1.3				
											6.0	2.1	19	28.0	7.9	7.9	21.1	21.2	87.9	87.9	6.1	6.1	7.7	4	89	89	<0.2	1.2	1.3	1.3				
Middle	6.0	2.3	19	27.9						7.9	7.9	21.2	21.2	87.9	87.9	6.1	6.1	7.7	3	89	89	<0.2	1.3	1.3	1.3									
	11.0	2.0	12	27.6						7.9	7.9	22.9	22.9	81.5	81.4	5.7	5.7	9.4	3	91	91	<0.2	1.3	1.3	1.3									
	11.0	2.1	12	27.6						7.9	7.9	22.9	22.9	81.3	81.3	5.6	5.6	9.4	4	92	92	<0.2	1.3	1.3	1.3									
C3	Fine	Calm	06:58	12.0						Surface	1.0	1.4	311	27.7	27.6	7.8	7.8	21.7	21.7	92.3	92.3	6.4	6.4	1.7	3	83	86	822101	817824	<0.2	0.9	0.9	0.9	
											1.0	1.4	316	27.5	7.8	7.8	21.8	21.8	92.2	92.2	6.4	6.4	1.6	3	83	86	<0.2	0.8	0.9	0.9				
											6.0	1.2	347	26.6	7.8	7.8	28.4	28.4	85.3	85.2	5.8	5.8	4.2	3	86	86	<0.2	0.8	0.8	0.8				
					Middle	6.0	1.3	319	26.6	7.8	7.8	28.5	28.4	85.1	85.1	5.8	5.8	4.2	2	86	86	<0.2	0.8	0.8	0.8									
						11.0	1.2	337	26.7	7.8	7.8	29.1	29.1	85.0	85.1	5.8	5.8	9.1	2	88	88	<0.2	0.8	0.8	0.8									
						11.0	1.2	346	26.8	7.8	7.8	29.0	29.1	85.1	85.1	5.8	5.8	9.1	3	88	88	<0.2	0.9	0.8	0.9									
					IM1	Cloudy	Moderate	07:58	5.7	Surface	1.0	2.4	271	27.9	27.9	8.1	8.1	22.2	22.2	99.3	99.3	6.9	6.9	3.7	5	84	85	817942	807137	<0.2	1.2	1.2	1.3	
											1.0	2.5	273	27.9	8.1	8.1	22.2	22.2	99.2	99.2	6.9	6.9	3.7	4	84	85	<0.2	1.2	1.2	1.3				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.7	2.5	270	27.5						8.1	8.1	24.4	24.4	91.5	91.6	6.3	6.3	7.1	4	88	88	<0.2	1.3	1.3	1.4									
	4.7	2.5	286	27.6						8.1	8.1	24.4	24.4	91.7	91.7	6.3	6.3	7.3	3	85	85	<0.2	1.3	1.3	1.4									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IM2	Cloudy	Moderate	08:07	7.6						Surface	1.0	0.2	355	27.7	27.7	8.2	8.2	22.6	22.6	94.8	94.8	6.6	6.6	4.7	3	85	88	818171	806165	<0.2	1.3	1.2	1.3	
											1.0	0.2	336	27.7	8.2	8.2	22.6	22.6	94.8	94.8	6.6	6.6	4.9	4	84	88	<0.2	1.2	1.2	1.2				
											3.8	0.2	3	27.3	8.2	8.2	24.9	24.8	90.9	90.9	6.3	6.3	6.6	4	88	88	<0.2	1.2	1.2	1.2				
					Middle	3.8	0.3	3	27.3	8.2	8.2	24.8	24.8	90.9	90.9	6.3	6.3	6.7	3	89	89	<0.2	1.2	1.2	1.2									
						6.6	0.2	12	27.2	8.2	8.2	25.7	25.6	88.8	88.8	6.1	6.1	10.6	2	90	90	<0.2	1.5	1.5	1.5									
						6.6	0.2	13	27.2	8.2	8.2	25.6	25.6	88.9	88.9	6.1	6.1	10.6	3	90	90	<0.2	1.3	1.3	1.3									
					IM3	Cloudy	Moderate	08:15	7.5	Surface	1.0	0.4	334	27.9	27.9	8.3	8.3	21.2	21.2	99.9	99.9	7.0	7.0	3.8	3	86	88	818807	805597	<0.2	1.4	1.6	1.4	
											1.0	0.4	339	27.9	8.3	8.3	21.2	21.2	99.8	99.8	7.0	7.0	3.9	2	88	88	<0.2	1.4	1.6	1.4				
											3.8	0.3	341	27.4	8.2	8.2	23.5	23.5	92.6	92.6	6.4	6.4	5.2	2	89	89	<0.2	1.4	1.4	1.4				
Middle	3.8	0.3	358	27.4						8.2	8.2	23.5	23.5	92.5	92.5	6.4	6.4	5.5	3	90	90	<0.2	1.5	1.5	1.5									
	6.5	0.2	355	27.2						8.2	8.2	25.6	25.6	88.6	88.6	6.1	6.1	10.6	3	90	90	<0.2	1.4	1.4	1.4									
	6.5	0.2	336	27.2						8.2	8.2	25.6	25.6	88.6	88.6	6.1	6.1	10.4	3	86	86	<0.2	1.3	1.3	1.3									
IM4	Cloudy	Moderate	08:23	7.8						Surface	1.0	0.6	330	27.8	27.8	8.3	8.3	20.9	20.9	102.3	102.3	7.2	7.2	3.7	3	89	91	819714	804607	<0.2	1.3	1.3	1.4	
											1.0	0.6	347	27.7	8.3	8.3	21.0	20.9	102.2	102.2	7.2	7.2	4.2	2	92	92	<0.2	1.3	1.3	1.4				
											3.9	0.5	348	27.2	8.3	8.3	25.3	25.3	91.5	91.5	6.3	6.3	7.5	4	92	92	<0.2	1.3	1.3	1.4				
					Middle	3.9	0.5	339	27.2	8.3	8.3	25.3	25.3	91.5	91.5	6.3	6.3	7.9	3	92	92	<0.2	1.4	1.4	1.4									
						6.8	0.5	349	27.1	8.3	8.3	26.0	26.0	89.7	89.7	6.2	6.2	13.4	4	93	93	<0.2	1.4	1.4	1.4									
						6.8	0.5	321	27.1	8.3	8.3	26.0	26.0	89.9	89.9	6.2	6.2	13.7	3	87	87	<0.2	1.4	1.4	1.4									
					IM5	Cloudy	Moderate	08:30	6.7	Surface	1.0	0.7	13	27.9	27.9	8.2	8.2	20.7	20.7	100.7	100.6	7.0	7.0	3.3	2	87	90	820714	804849	<0.2	1.5	1.6	1.4	
											1.0	0.7	13	27.9	8.2	8.2	20.6	20.7	100.4	100.4	7.0	7.0	3.3	3	88	88	<0.2	1.4	1.4	1.4				
											3.4	0.7	9	27.3	8.3	8.3	24.5	24.5	91.8	91.9	6.3	6.3	6.2	2	91	91	<0.2	1.2	1.2	1.2				
Middle	3.4	0.7	9	27.3						8.3	8.3	24.5	24.5	91.9	91.9	6.4	6.4	6.1	3	92	92	<0.2	1.4	1.4	1.4									
	5.7	0.6	21	27.2						8.3	8.3	25.4	25.4	89.9	90.0	6.2	6.2	11.1	4	92	92	<0.2	1.4	1.4	1.4									
	5.7	0.6	22	27.2						8.3	8.3	25.4	25.4	90.0	90.0	6.2	6.2	11.0	3	87	87	<0.2	1.4	1.4	1.4									
IM6	Cloudy	Moderate	08:37	7.2						Surface	1.0	0.1	359	27.9	27.9	8.2	8.2	19.9	19.9	101.9	101.9	7.2	7.2	3.7	4	87	90	821073	805841	<0.2	1.3	1.3	1.3	
											1.0	0.1	340	27.9	8.2	8.2	19.9	19.9	101.8	101.8	7.2	7.2	3.9	3	90	90	<0.2	1.3	1.3	1.3				
											3.6	0.3	43	27.6	8.3	8.3	22.5	22.5	94.4	94.4	6.6	6.6	6.7	4	90	90	<0.2	1.4	1.4	1.4				
					Middle	3.6	0.3	44	27.6	8.3	8.3	22.5	22.5	94.4	94.4	6.6	6.6	6.7	4	90	90	<0.2	1.2	1.2	1.2									
						6.2	0.3	59	27.5	8.3	8.3	23.9	23.9	90.2	90.3	6.2	6.2	12.7	4	92	92	<0.2	1.4	1.4	1.4									
						6.2	0.3	63	27.5	8.3	8.3	23.9	23.9	90.3	90.3	6.3	6.3	12.8	4	92	92	<0.2	1.3	1.3	1.3									
					IM7	Cloudy	Moderate	08:45	7.6	Surface	1.0	0.1	87	28.0	28.0	8.2	8.2	20.1	20.1	101.0	100.9	7.1	7.1	3.6	3	89	91	821365	806850	<0.2	1.2	1.2	1.3	
											1.0	0.1	92	28.0	8.2	8.2	20.1	20.1	10															

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

Water Quality Monitoring Results on 13 May 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	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
IM9	Fine	Calm	08:25	7.4	Surface	1.0	1.6	68	28.1	7.9	7.9	19.4	19.4	92.7	92.5	6.5	6.2	2.5	7	86	89	822072	808807	<0.2	1.7	1.6	1.6						
						1.0	1.7	72	28.1	7.9	7.9	19.5	19.5	92.3	92.5	6.5	6.2	2.6	7	86	89	<0.2	1.6	1.6	1.6								
						3.7	1.8	54	27.9	7.9	7.9	22.2	22.2	83.9	83.9	5.8	5.8	3.9	7	89	89	<0.2	1.6	1.6	1.6								
					Middle	3.7	2.0	57	27.9	7.9	7.9	22.2	22.2	83.8	83.8	5.8	5.8	3.9	6	90	89	<0.2	1.6	1.6	1.6								
						6.4	2.1	53	28.0	7.9	7.9	22.4	22.3	83.7	83.8	5.8	5.8	6.6	5	90	89	<0.2	1.5	1.5	1.5								
						6.4	2.3	57	28.0	7.9	7.9	22.3	22.3	83.8	83.8	5.8	5.8	6.5	4	90	89	<0.2	1.5	1.5	1.5								
					IM10	Fine	Calm	08:17	7.6	Surface	1.0	1.5	7	27.8	7.9	7.9	21.4	21.4	91.2	91.1	6.4	5.2	5	83	87	822361	809778	<0.2	1.4	1.4	1.4		
											1.0	1.5	7	27.7	7.9	7.9	21.4	21.4	91.0	91.1	6.4	5.2	5	83	87	87	85	<0.2	1.4	1.4	1.4		
											3.8	1.5	8	27.7	7.9	7.9	23.4	23.4	86.4	86.3	6.0	7.6	5	87	85	<0.2	1.4	1.4	1.4				
Middle	3.8	1.6	8	27.6						7.9	7.9	23.4	23.4	86.1	86.3	6.0	7.6	5	87	85	<0.2	1.5	1.5	1.5									
	6.6	1.5	1	27.7						7.9	7.9	23.8	23.8	85.0	85.1	5.9	8.4	5	90	87	<0.2	1.3	1.3	1.3									
	6.6	1.6	1	27.7						7.9	7.9	23.8	23.8	85.1	85.1	5.9	8.3	6	90	87	<0.2	1.4	1.4	1.4									
IM11	Fine	Calm	08:08	8.0						Surface	1.0	1.1	24	27.7	7.9	7.9	22.8	22.8	89.6	89.6	6.2	3.2	6	84	86	822075	811450	<0.2	1.4	1.5	1.5		
											1.0	1.2	24	27.6	7.9	7.9	22.9	22.8	89.5	89.6	6.2	3.1	6	84	86	86	85	<0.2	1.5	1.5	1.5		
											4.0	1.1	32	27.4	7.9	7.9	23.0	23.0	88.9	88.4	6.2	4.9	5	86	86	<0.2	1.7	1.7	1.7				
					Middle	4.0	1.1	34	27.3	7.9	7.9	23.0	23.0	87.8	88.4	6.1	4.9	6	86	86	<0.2	1.6	1.6	1.6									
						7.0	1.1	23	27.3	7.9	7.9	25.0	25.0	83.6	83.6	5.8	7.4	5	87	86	<0.2	1.4	1.4	1.4									
						7.0	1.2	23	27.3	7.9	7.9	25.0	25.0	83.6	83.6	5.8	7.4	6	86	86	<0.2	1.4	1.4	1.4									
					IM12	Fine	Calm	08:02	9.2	Surface	1.0	0.5	12	27.5	7.9	7.9	23.7	23.8	86.0	86.0	5.9	3.3	7	84	85	821473	812067	<0.2	0.9	0.9	0.9		
											1.0	0.5	12	27.5	7.9	7.9	23.8	23.8	85.9	86.0	5.9	3.4	6	85	85	<0.2	0.9	0.9	0.9				
											4.6	0.5	14	27.3	7.9	7.9	24.9	24.9	84.5	84.5	5.8	7.3	6	85	85	<0.2	1.5	1.5	1.5				
Middle	4.6	0.5	14	27.3						7.9	7.9	25.0	24.9	84.4	84.5	5.8	7.3	7	85	85	<0.2	1.5	1.5	1.5									
	8.2	0.5	20	27.3						7.9	7.9	25.3	25.3	84.3	84.3	5.8	9.7	8	88	88	<0.2	1.4	1.4	1.4									
	8.2	0.5	20	27.4						7.9	7.9	25.3	25.3	84.3	84.3	5.8	9.7	9	89	89	<0.2	1.4	1.4	1.4									
SR1A	Fine	Calm	07:33	4.2						Surface	1.0	-	-	28.0	7.9	7.9	20.8	20.8	87.5	87.4	6.1	3.5	4	-	-	-	819972	812662	-	-	-	-	
											1.0	-	-	28.0	7.9	7.9	20.8	20.8	87.3	87.4	6.1	3.4	4	-	-	-	-	-	-	-	-	-	
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.2	-	-	28.0	7.9	7.9	22.0	22.1	87.5	87.7	6.1	4.3	3	-	-	-	-	-	-	-	-	-	-	-	-			
						3.2	-	-	28.0	7.9	7.9	22.1	22.1	87.9	87.9	6.1	4.3	3	-	-	-	-	-	-	-	-	-	-	-	-			
					SR2	Fine	Calm	07:18	3.6	Surface	1.0	0.3	116	27.6	7.9	7.9	23.2	23.1	86.9	87.0	6.0	6.0	4	85	86	821465	814182	<0.2	0.9	0.9	0.9		
											1.0	0.3	117	27.6	7.9	7.9	23.1	23.1	87.0	87.0	6.0	6.1	3	84	84	<0.2	0.9	0.9	0.9				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	2.6	0.2	87	27.6						7.9	7.9	23.1	23.0	87.7	88.0	6.1	10.0	4	86	86	<0.2	0.9	0.9	0.9									
	2.6	0.2	92	27.6						7.9	7.9	23.0	23.0	88.3	88.3	6.1	10.0	3	87	87	<0.2	0.9	0.9	0.9									
SR3	Fine	Calm	08:37	9.0						Surface	1.0	2.1	45	28.1	7.8	7.8	19.1	19.2	93.8	93.7	6.6	2.3	3	-	-	-	822127	807577	-	-	-	-	
											1.0	2.2	46	28.1	7.8	7.8	19.2	19.2	93.5	93.7	6.6	2.4	2	-	-	-	-	-	-	-	-	-	
											4.5	2.3	42	28.0	7.9	7.9	19.6	19.6	91.5	91.1	6.4	3.8	3	-	-	-	-	-	-	-	-	-	
					Middle	4.5	2.4	42	28.0	7.9	7.9	19.6	19.6	90.6	91.1	6.4	3.7	4	-	-	-	-	-	-	-	-	-	-	-				
						8.0	2.3	56	27.9	7.9	7.9	21.1	21.1	85.5	85.4	6.0	5.0	5	-	-	-	-	-	-	-	-	-	-					
						8.0	2.4	56	27.9	7.9	7.9	21.2	21.1	85.2	85.4	5.9	5.1	4	-	-	-	-	-	-	-	-	-	-					
					SR4A	Cloudy	Calm	07:14	9.9	Surface	1.0	1.9	147	28.0	8.2	8.2	22.4	22.4	94.3	94.3	6.5	4.0	2	-	-	-	-	-	-	-	-		
											1.0	1.9	148	28.0	8.2	8.2	22.4	22.4	94.2	94.3	6.5	4.1	2	-	-	-	-	-	-	-	-	-	
											5.0	2.0	142	27.6	8.2	8.2	23.8	23.8	90.6	90.6	6.3	5.7	2	-	-	-	-	-	-	-	-	-	
Middle	5.0	2.1	148	27.6						8.2	8.2	23.8	23.8	90.5	90.6	6.3	5.7	2	-	-	-	-	-	-	-	-	-	-					
	8.9	1.9	150	27.2						8.2	8.2	26.0	26.0	85.0	85.1	5.8	12.1	2	-	-	-	-	-	-	-	-	-						
	8.9	2.1	161	27.2						8.2	8.2	26.0	26.0	85.1	85.1	5.9	12.4	3	-	-	-	-	-	-	-	-	-						
SR5A	Cloudy	Calm	06:55	4.5						Surface	1.0	0.1	280	28.1	8.1	8.1	22.8	22.8	95.9	95.9	6.6	5.8	4	-	-	-	-	-	-	-	-		
											1.0	0.1	291	28.1	8.1	8.1	22.9	22.8	95.8	95.9	6.6	6.3	5	-	-	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.5	0.1	293	28.1	8.1	8.1	23.0	23.0	95.3	95.3	6.6	8.5	6	-	-	-	-	-	-	-	-	-						
						3.5	0.1	312	28.1	8.1	8.1	23.0	23.0	95.3	95.3	6.6	8.7	6	-	-	-	-	-	-	-	-	-						
					SR6A	Cloudy	Moderate	06:22	4.6	Surface	1.0	0.1	239	27.8	8.0	8.0	22.5	22.6	95.7	95.7	6.6	4.6	5	-	-	-	-	-	-	-			
											1.0	0.1	260	27.8	8.0	8.0	22.7	22.6	95.7	95.7	6.6	4.5	5	-	-	-	-	-	-	-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.6	0.0	325	27.8						8.0	8.0	22.7	22.8	95.8	95.8	6.6	3.9	6	-	-	-	-	-	-	-								
	3.6	0.0	332	27.8						8.0	8.0	22.8	22.8	95.8	95.8	6.6	4.0	5	-	-	-	-	-	-									
SR7	Fine																																



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

Water Quality Monitoring

Water Quality Monitoring Results on 15 May 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	14:34	8.6	Surface	1.0	0.5	224	28.6	28.6	8.2	8.2	24.1	24.1	119.4	119.3	8.1	7.8	3.9	6	85	88	85	88	815616	804239	<0.2	1.7	<0.2	1.6							
						1.0	0.5	232	28.5	8.2	8.2	24.1	24.1	119.1	119.3	8.1	7.8	3.9	6	86	88	86	88	<0.2			1.9	<0.2	1.5								
						4.3	0.4	216	27.6	8.1	8.1	24.4	24.4	108.7	108.0	7.5	6.0	4.1	6	87	88	87	88	<0.2			1.5	<0.2	1.5								
					Middle	4.3	0.4	230	27.5	8.1	8.1	24.4	24.4	107.3	108.0	7.4	6.0	4.1	7	88	88	88	88	<0.2			1.4	<0.2	1.4								
						7.6	0.2	209	27.0	8.1	8.1	27.3	27.3	87.5	87.6	6.0	6.0	8.4	5	90	88	90	88	<0.2			1.5	<0.2	1.5								
						7.6	0.2	213	27.0	8.1	8.1	27.3	27.3	87.6	87.6	6.0	6.0	8.5	6	91	88	91	88	<0.2			1.5	<0.2	1.5								
					C2	Fine	Calm	13:21	12.0	Surface	1.0	1.6	82	28.5	28.5	8.1	8.1	20.5	20.6	92.8	92.7	6.4	6.2	1.5			6	88	91	88	91	825701	806965	<0.2	1.8	<0.2	1.8
											1.0	1.7	84	28.4	8.1	8.1	20.6	20.6	92.6	92.7	6.4	6.2	1.6	6			88	91	88	91	<0.2			1.8	<0.2	1.8	
											6.0	1.7	84	27.8	8.1	8.1	21.0	21.1	86.2	86.1	6.0	6.0	2.5	7			91	88	91	88	<0.2			1.9	<0.2	1.9	
Middle	6.0	1.7	89	27.7						8.1	8.1	21.1	21.1	86.0	86.1	6.0	6.0	2.5	7	91	88	91	88	<0.2	1.9	<0.2	1.9										
	11.0	2.0	79	27.7						8.0	8.0	26.8	26.8	79.5	79.6	5.4	5.4	3.8	7	93	88	93	88	<0.2	1.9	<0.2	1.9										
	11.0	2.0	86	27.8						8.0	8.0	26.7	26.8	79.6	79.6	5.4	5.4	3.7	8	94	88	94	88	<0.2	1.9	<0.2	1.9										
C3	Fine	Calm	15:09	12.0						Surface	1.0	2.2	55	27.9	27.9	8.1	8.1	24.2	24.3	89.5	89.4	6.1	5.9	5.6	9	87	90	87	90	822120	817826			<0.2	1.3	<0.2	1.3
											1.0	2.3	59	27.9	8.1	8.1	24.3	24.3	89.3	89.4	6.1	5.9	5.7	10	87	90	87	90	<0.2					1.3	<0.2	1.3	
											6.0	1.9	57	27.4	8.1	8.1	25.2	25.2	81.2	81.0	5.6	6.0	6.8	11	88	88	88	88	<0.2					1.3	<0.2	1.3	
					Middle	6.0	2.0	62	27.3	8.1	8.1	25.2	25.2	80.8	81.0	5.6	6.0	6.7	10	89	88	89	88	<0.2	1.4	<0.2	1.4										
						11.0	2.1	60	27.2	8.1	8.1	28.3	28.2	79.8	79.8	5.4	5.4	9.3	11	93	88	93	88	<0.2	1.3	<0.2	1.3										
						11.0	2.2	63	27.3	8.1	8.1	28.2	28.2	79.8	79.8	5.4	5.4	9.3	10	93	88	93	88	<0.2	1.2	<0.2	1.2										
					IM1	Fine	Moderate	14:14	5.0	Surface	1.0	0.1	196	28.1	28.1	8.1	8.1	23.1	23.2	109.9	109.5	7.6	7.6	4.6	14	87	88	87	88			817926	807120	<0.2	1.5	<0.2	1.4
											1.0	0.1	198	28.0	8.1	8.1	23.3	23.2	109.0	109.5	7.5	7.6	4.7	6	86	88	86	88	<0.2					1.4	<0.2	1.4	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	4.0	0.1	136	27.8						8.1	8.1	23.9	23.9	91.0	91.1	6.3	6.3	8.7	6	90	88	90	88	<0.2	1.4	<0.2	1.4										
	4.0	0.1	143	27.8						8.1	8.1	23.9	23.9	91.1	91.1	6.3	6.3	8.2	6	90	88	90	88	<0.2	1.4	<0.2	1.4										
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
IM2	Fine	Moderate	14:07	7.2	Surface	1.0	0.2	180	28.1	28.1	8.1	8.1	22.9	22.9	106.8	106.8	7.4	6.8	4.6	4	85	88	85	88	818159	806187	<0.2	1.4	<0.2	1.4							
						1.0	0.2	180	28.0	8.1	8.1	22.9	22.9	106.8	106.8	7.4	6.8	4.6	5	87	88	87	88	<0.2			1.4	<0.2	1.4								
						3.6	0.2	165	27.6	8.1	8.1	23.6	23.7	91.1	90.7	6.3	6.2	5.2	4	87	88	87	88	<0.2			1.6	<0.2	1.6								
					Middle	3.6	0.2	175	27.5	8.1	8.1	23.7	23.7	90.2	90.7	6.2	6.2	4.9	5	89	88	89	88	<0.2			1.4	<0.2	1.4								
						6.2	0.2	120	27.5	8.1	8.1	25.2	25.2	84.8	84.8	5.8	5.8	15.7	5	90	88	90	88	<0.2			1.4	<0.2	1.4								
						6.2	0.2	128	27.5	8.1	8.1	25.2	25.2	84.8	84.8	5.8	5.8	15.6	6	92	88	92	88	<0.2			1.5	<0.2	1.5								
					IM3	Fine	Moderate	14:00	7.4	Surface	1.0	0.2	204	27.6	27.6	8.1	8.1	24.1	24.2	87.3	87.2	6.0	6.0	10.0			10	86	88	86	88	818794	805581	<0.2	1.5	<0.2	1.5
											1.0	0.2	212	27.6	8.1	8.1	24.3	24.2	87.1	87.2	6.0	6.0	10.7	9			85	88	85	88	<0.2			1.6	<0.2	1.6	
											3.7	0.2	157	27.4	8.1	8.1	25.3	25.3	86.9	86.9	6.0	6.0	13.5	9			87	88	87	88	<0.2			1.5	<0.2	1.5	
Middle	3.7	0.2	162	27.4						8.1	8.1	25.3	25.3	86.9	86.9	6.0	6.0	13.5	10	89	88	89	88	<0.2	1.5	<0.2	1.5										
	6.4	0.2	128	27.4						8.1	8.1	25.4	25.4	87.2	87.2	6.0	6.0	13.3	11	90	88	90	88	<0.2	1.5	<0.2	1.5										
	6.4	0.2	138	27.4						8.1	8.1	25.5	25.4	87.2	87.2	6.0	6.0	13.1	10	90	88	90	88	<0.2	1.5	<0.2	1.5										
IM4	Fine	Moderate	13:51	8.4						Surface	1.0	0.4	196	27.7	27.7	8.1	8.1	23.3	23.3	94.1	94.1	6.5	6.3	8.2	10	85	88	85	88	819735	804604			<0.2	1.6	<0.2	1.6
											1.0	0.4	214	27.7	8.1	8.1	23.3	23.3	94.1	94.1	6.5	6.3	8.5	11	87	88	87	88	<0.2					1.6	<0.2	1.6	
											4.2	0.2	180	27.2	8.1	8.1	26.2	26.2	87.8	87.7	6.0	6.0	11.4	11	89	88	89	88	<0.2					1.4	<0.2	1.4	
					Middle	4.2	0.2	185	27.1	8.1	8.1	26.3	26.2	87.6	87.7	6.0	6.0	11.2	10	88	88	88	88	<0.2	1.5	<0.2	1.5										
						7.4	0.2	143	27.1	8.1	8.1	26.6	26.6	87.0	87.1	6.0	6.0	13.3	11	90	88	90	88	<0.2	1.5	<0.2	1.5										
						7.4	0.3	143	27.1	8.1	8.1	26.6	26.6	87.1	87.1	6.0	6.0	13.3	12	91	88	91	88	<0.2	1.4	<0.2	1.4										
					IM5	Fine	Moderate	13:44	8.6	Surface	1.0	0.5	225	28.2	28.2	8.1	8.1	21.8	21.8	103.0	103.0	7.1	6.9	10.9	8	86	88	86	88			820715	804888	<0.2	1.5	<0.2	1.5
											1.0	0.5	227	28.2	8.1	8.1	21.8	21.8	102.9	103.0	7.1	6.9	11.0	9	86	88	86	88	<0.2					1.6	<0.2	1.6	
											4.3	0.3	188	27.4	8.1	8.1	23.7	23.7	97.3	97.1	6.8	6.8	9.8	7	88	88	88	88	<0.2					1.5	<0.2	1.5	
Middle	4.3	0.3	204	27.3						8.1	8.1	23.7	23.7	96.8	97.1	6.7	6.7	10.5	8	89	88	89	88	<0.2	1.4	<0.2	1.4										
	7.6	0.2	166	27.2						8.1	8.1	25.9	25.9	89.2	89.4	6.1	6.2	9.7	8	90	88	90	88	<0.2	1.5	<0.2	1.5										
	7.6	0.2	176	27.2						8.1	8.1	25.9	25.9	89.6	89.4	6.2	6.2	9.0	7	91	88	91	88	<0.2	1.5	<0.2	1.5										
IM6	Fine	Moderate	13:36	7.8	Surface	1.0	0.3	247	27.9	27.9	8.1	8.1	21.4	21.4	102.5	102.0	7.1	6.6	8.8	7	87	88	87	88	821061	805824	<0.2	1.7	<0.2	1.7							
						1.0	0.3	247	27.8	8.1	8.1	21.4	21.4	101.5	102.0	7.1	6.6	10.1	7	86	88	86	88	<0.2			1.6	<0.2	1.6								
						3.9	0.2	186	27.5	8.1	8.1	24.3	24.3	87.9	87.8	6.1	6.0	10.9	8	88	88	88	88	<0.													

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

Water Quality Monitoring Results on 15 May 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	Calm	13:47	7.4	Surface	1.0	1.9	33	28.3	8.0	8.0	20.6	20.6	91.5	91.3	6.4	6.0	6.5	7	87	90	82	80	822073	808801	<0.2	1.6	<0.2	1.6							
						1.0	2.1	34	28.2	8.0	8.0	20.6	20.6	91.0	91.0	6.3	6.0	6.5	8	87	90	82	80	822073	808801	<0.2	1.5	<0.2	1.6							
						3.7	2.0	31	28.1	8.2	8.2	22.4	22.4	82.2	82.2	5.7	5.7	7.2	7	89	90	82	80	822073	808801	<0.2	1.6	<0.2	1.6							
					Middle	3.7	2.1	34	28.1	8.2	8.2	22.4	22.4	82.1	82.1	5.7	5.7	7.2	7	91	90	82	80	822073	808801	<0.2	1.6	<0.2	1.6							
						6.4	2.1	33	28.2	8.2	8.2	22.5	22.5	82.9	83.0	5.7	5.7	9.1	7	92	90	82	80	822073	808801	<0.2	1.7	<0.2	1.7							
						6.4	2.2	35	28.2	8.2	8.2	22.5	22.5	83.0	83.0	5.7	5.7	9.0	7	92	90	82	80	822073	808801	<0.2	1.7	<0.2	1.7							
					IM10	Fine	Calm	13:52	7.6	Surface	1.0	1.9	45	28.9	8.0	8.0	20.3	20.3	98.1	98.1	6.8	6.0	4.7	7	86	90	82	80	822374	809785	<0.2	1.5	<0.2	1.6		
											1.0	1.9	48	28.9	8.0	8.0	20.3	20.3	98.1	98.1	6.8	6.0	4.8	7	87	90	82	80	822374	809785	<0.2	1.6	<0.2	1.6		
											3.8	2.1	44	28.5	8.2	8.2	20.5	20.5	96.9	96.5	6.7	6.0	5.2	5	91	90	82	80	822374	809785	<0.2	1.6	<0.2	1.6		
Middle	3.8	2.2	48	28.4						8.2	8.2	20.6	20.6	96.1	96.1	6.7	6.0	5.2	6	91	90	82	80	822374	809785	<0.2	1.7	<0.2	1.7							
	6.6	2.2	41	28.2						8.2	8.2	22.4	22.4	86.3	86.4	6.0	6.0	6.1	5	92	90	82	80	822374	809785	<0.2	1.7	<0.2	1.7							
	6.6	2.4	43	28.2						8.2	8.2	22.4	22.4	86.5	86.5	6.0	6.0	6.0	6	92	90	82	80	822374	809785	<0.2	1.7	<0.2	1.7							
IM11	Fine	Calm	14:01	8.0						Surface	1.0	1.9	47	28.5	8.0	8.0	20.5	20.6	97.2	96.9	6.7	6.0	2.6	7	86	90	82	80	822034	811457	<0.2	1.6	<0.2	1.6		
											1.0	2.1	49	28.4	8.0	8.0	20.6	20.6	96.6	96.7	6.7	6.0	2.5	6	87	90	82	80	822034	811457	<0.2	1.5	<0.2	1.5		
											4.0	2.0	49	28.2	8.2	8.2	22.3	22.3	86.1	86.1	5.9	5.9	3.5	7	90	90	82	80	822034	811457	<0.2	1.6	<0.2	1.6		
					Middle	4.0	2.2	52	28.2	8.2	8.2	22.3	22.3	86.1	86.1	5.9	5.9	3.6	6	90	90	82	80	822034	811457	<0.2	1.6	<0.2	1.6							
						7.0	2.0	46	28.5	8.2	8.2	22.2	22.2	86.3	86.4	5.9	5.9	5.7	6	92	90	82	80	822034	811457	<0.2	1.6	<0.2	1.6							
						7.0	2.1	48	28.5	8.2	8.2	22.2	22.2	86.4	86.4	5.9	5.9	5.7	5	91	90	82	80	822034	811457	<0.2	1.6	<0.2	1.6							
					IM12	Fine	Calm	14:06	9.2	Surface	1.0	2.1	49	28.7	8.0	8.0	20.8	20.9	98.3	98.1	6.8	6.0	2.0	6	86	90	82	80	821479	812050	<0.2	1.7	<0.2	1.7		
											1.0	2.1	52	28.6	8.0	8.0	21.0	20.9	97.8	97.8	6.7	6.0	1.9	6	86	90	82	80	821479	812050	<0.2	1.7	<0.2	1.7		
											4.6	2.3	43	28.1	8.2	8.2	22.4	22.4	81.2	81.1	5.6	5.6	2.2	7	87	90	82	80	821479	812050	<0.2	1.6	<0.2	1.6		
Middle	4.6	2.3	46	28.0						8.2	8.2	22.4	22.4	81.0	81.0	5.6	5.6	2.2	6	87	90	82	80	821479	812050	<0.2	1.6	<0.2	1.6							
	8.2	2.1	45	28.1						8.2	8.2	22.7	22.6	81.5	81.8	5.6	5.6	3.6	7	92	90	82	80	821479	812050	<0.2	1.7	<0.2	1.7							
	8.2	2.2	46	28.1						8.2	8.2	22.6	22.6	82.0	82.0	5.7	5.7	3.5	6	92	90	82	80	821479	812050	<0.2	1.5	<0.2	1.5							
SR1A	Fine	Calm	14:36	4.2						Surface	1.0	-	-	28.6	8.1	8.1	20.7	20.7	93.5	93.5	6.5	6.0	4.6	8	-	-	-	-	819972	812657	-	-	-	-		
											1.0	-	-	28.5	8.1	8.1	20.7	20.7	93.4	93.4	6.5	6.0	4.6	7	-	-	-	-	-	-	819972	812657	-	-	-	-
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.2	-	-	28.4	8.1	8.1	22.4	22.5	87.0	86.6	6.0	6.0	6.8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.2	-	-	28.3	8.1	8.1	22.5	22.5	86.2	86.2	5.9	6.0	6.7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					SR2	Fine	Calm	14:50	3.6	Surface	1.0	0.5	38	29.3	8.1	8.1	20.4	20.4	105.0	104.9	7.2	7.0	2.2	6	90	91	82	80	821478	814182	<0.2	1.1	<0.2	1.2		
											1.0	0.5	40	29.2	8.1	8.1	20.5	20.4	104.7	104.7	7.2	7.0	2.2	5	90	91	82	80	821478	814182	<0.2	1.2	<0.2	1.2		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	2.6	0.3	40	28.8						8.1	8.1	21.2	21.2	95.3	95.1	6.5	6.5	2.9	5	92	90	82	80	821478	814182	<0.2	1.2	<0.2	1.2							
	2.6	0.3	42	28.8						8.1	8.1	21.3	21.2	94.9	94.9	6.5	6.5	3.0	5	92	90	82	80	821478	814182	<0.2	1.1	<0.2	1.1							
SR3	Fine	Calm	13:36	9.0						Surface	1.0	1.3	32	28.3	8.0	8.0	20.5	20.5	90.5	90.2	6.3	6.0	2.0	4	-	-	-	-	822135	807565	-	-	-	-		
											1.0	1.4	34	28.2	8.1	8.0	20.5	20.5	89.8	89.8	6.3	6.0	1.9	5	-	-	-	-	-	-	822135	807565	-	-	-	-
											4.5	1.3	31	28.1	8.0	8.0	22.4	22.4	82.0	82.0	5.7	5.6	3.2	4	-	-	-	-	-	-	822135	807565	-	-	-	-
					Middle	4.5	1.4	33	28.1	8.0	8.0	22.4	22.4	81.9	81.9	5.6	5.6	3.1	5	-	-	-	-	-	-	822135	807565	-	-	-	-					
						8.0	1.5	30	28.2	8.2	8.1	22.3	22.3	81.6	81.6	5.6	5.6	4.6	3	-	-	-	-	-	-	822135	807565	-	-	-	-					
						8.0	1.5	32	28.2	8.0	8.1	22.3	22.3	81.5	81.5	5.6	5.6	4.6	4	-	-	-	-	-	-	822135	807565	-	-	-	-					
					SR4A	Fine	Moderate	14:59	8.4	Surface	1.0	0.0	83	28.2	8.1	8.1	23.5	23.5	109.0	108.8	7.5	7.0	6.8	9	-	-	-	-	817202	807794	-	-	-	-		
											1.0	0.0	90	28.1	8.1	8.1	23.6	23.6	108.6	108.6	7.4	7.1	7.0	8	-	-	-	-	-	-	817202	807794	-	-	-	-
											4.2	0.1	68	27.9	8.1	8.1	24.1	24.1	97.1	97.1	6.7	6.7	7.6	8	-	-	-	-	-	-	817202	807794	-	-	-	-
Middle	4.2	0.1	71	27.8						8.1	8.1	24.1	24.1	97.0	97.1	6.7	6.7	7.7	7	-	-	-	-	-	-	817202	807794	-	-	-	-					
	7.4	0.1	60	27.7						8.1	8.1	24.5	24.5	89.3	89.4	6.1	6.1	8.2	7	-	-	-	-	-	-	817202	807794	-	-	-	-					
	7.4	0.1	65	27.8						8.1	8.1	24.4	24.5	89.4	89.4	6.1	6.1	8.1	6	-	-	-	-	-	-	817202	807794	-	-	-	-					
SR5A	Fine	Moderate	15:19	3.5						Surface	1.0	0.0	112	28.5	8.1	8.1	23.0	23.0	102.6	102.6	7.0	7.0	8.4	8	-	-	-	-	816602	810717	-	-	-	-		
											1.0	0.0	112	28.5	8.1	8.1	23.0	23.0	102.5	102.5	7.0	7														

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

Water Quality Monitoring Results on 15 May 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	Sunny	Moderate	08:24	8.5	Surface	1.0	0.4	37	27.6	27.6	8.1	8.1	21.9	21.9	99.4	99.3	6.9	6.9	4.5	4.5	4	5	85	86	88	815638	804258	<0.2	1.2	<0.2	1.3
						1.0	0.4	38	27.6	8.1	8.1	21.9	21.9	99.2	99.3	6.9	6.9	4.5	4.5	5	5	86	87	<0.2				1.2			
						4.3	0.4	35	27.3	8.1	8.1	24.8	24.8	91.4	91.3	6.3	6.3	10.3	10.7	4	5	87	88	<0.2				1.2			
					4.3	0.5	36	27.2	8.1	8.1	24.8	24.8	91.1	91.0	6.3	6.3	10.7	10.7	5	5	88	90	<0.2	1.4							
					7.5	0.4	36	27.2	8.1	8.1	26.1	26.1	90.9	91.0	6.2	6.2	12.2	12.2	4	5	90	91	<0.2	1.4							
					7.5	0.4	38	27.2	8.1	8.1	26.0	26.0	91.0	91.0	6.3	6.3	12.0	12.0	5	5	91	92	<0.2	1.3							
					1.0	1.9	17	28.3	28.3	8.0	8.0	18.1	18.1	85.2	85.1	6.0	6.0	1.3	1.3	6	6	85	86	<0.2				1.7			
					1.0	2.0	17	28.3	28.3	8.0	8.0	18.1	18.1	84.9	84.9	6.0	6.0	1.3	1.3	6	6	86	87	<0.2				1.2			
					6.0	2.1	17	28.1	28.1	8.0	8.0	21.8	21.8	82.9	82.8	5.7	5.7	2.1	2.1	6	7	89	89	<0.2				1.2			
6.0	2.1	18	28.1	28.1	8.0	8.0	21.9	21.9	82.7	82.7	5.7	5.7	2.1	2.1	7	7	89	91	<0.2	1.4											
11.0	2.0	15	28.1	28.2	8.2	8.2	22.2	22.2	81.8	81.7	5.6	5.6	4.5	4.5	6	7	91	92	<0.2	1.4											
11.0	2.2	15	28.2	28.2	8.2	8.2	22.2	22.2	81.6	81.6	5.6	5.6	4.5	4.5	7	7	92	92	<0.2	1.3											
C2	Fine	Calm	09:39	12.0	Surface	1.0	1.1	339	27.7	27.7	8.2	8.2	21.1	21.1	87.6	87.5	6.1	6.1	1.8	1.8	4	4	83	83	86	822126	817794	<0.2	1.5	<0.2	1.5
						1.0	1.1	343	27.6	27.6	8.2	8.2	21.2	21.2	87.4	87.4	6.1	6.1	1.8	1.8	5	4	83	86				<0.2	1.6		
						6.0	1.2	343	26.9	26.9	8.2	8.2	27.0	26.9	80.3	80.2	5.5	5.5	3.9	3.9	4	5	86	86				<0.2	1.4		
					6.0	1.3	316	26.9	26.9	8.2	8.2	26.8	26.9	80.1	80.1	5.5	5.5	3.9	3.9	5	5	86	88	<0.2				1.4			
					11.0	1.2	329	26.8	26.8	8.2	8.2	28.5	28.5	79.2	79.2	5.4	5.4	4.9	4.9	4	4	88	88	<0.2				1.4			
					11.0	1.2	334	26.8	26.8	8.2	8.2	28.5	28.5	79.2	79.2	5.4	5.4	5.0	5.0	3	3	88	88	<0.2				1.5			
					1.0	0.1	319	27.7	27.7	8.1	8.1	23.2	23.2	94.6	94.5	6.6	6.6	8.1	8.1	6	6	88	87	<0.2				1.2			
					1.0	0.1	346	27.6	27.6	8.1	8.1	23.2	23.2	94.3	94.3	6.5	6.5	8.8	8.8	7	7	87	87	<0.2				1.3			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
4.7	0.1	33	27.5	27.5	8.0	8.0	25.4	25.4	86.9	86.9	6.0	6.0	11.5	11.5	6	6	90	91	<0.2	1.2											
4.7	0.1	36	27.5	27.5	8.0	8.0	25.4	25.4	86.8	86.8	6.0	6.0	11.3	11.3	6	6	91	91	<0.2	1.2											
IM1	Sunny	Moderate	08:45	5.7	Surface	1.0	0.2	357	27.9	27.9	8.1	8.1	22.7	22.8	100.4	100.4	6.9	6.9	4.8	4.8	4	5	85	86	87	818141	806173	<0.2	1.2	<0.2	1.2
						1.0	0.2	328	27.9	27.9	8.1	8.1	22.8	22.8	100.4	100.4	6.9	6.9	4.8	4.8	5	5	86	87				<0.2	1.2		
						3.8	0.3	2	27.6	27.6	8.1	8.1	23.0	23.0	94.6	94.5	6.6	6.6	4.8	4.8	4	5	87	86				<0.2	1.3		
					3.8	0.3	2	27.6	27.6	8.1	8.1	23.0	23.0	94.4	94.4	6.6	6.6	4.8	4.8	4	5	86	89	<0.2				1.2			
					6.6	0.2	4	27.5	27.5	8.1	8.1	25.2	25.2	87.7	87.7	6.0	6.0	8.4	8.4	5	5	89	89	<0.2				1.3			
					6.6	0.2	4	27.5	27.5	8.1	8.1	25.2	25.2	87.7	87.7	6.0	6.0	8.4	8.4	5	5	89	89	<0.2				1.2			
					1.0	0.4	340	27.9	27.9	8.2	8.2	21.9	22.0	103.4	103.4	7.2	7.2	4.4	4.4	5	6	86	85	<0.2				1.3			
					1.0	0.4	313	27.9	27.9	8.2	8.2	22.0	22.0	103.3	103.3	7.2	7.2	4.5	4.5	6	6	85	88	<0.2				1.3			
					4.0	0.3	348	27.9	27.9	8.1	8.1	22.6	22.6	102.7	102.6	7.1	7.1	4.8	4.8	4	4	88	88	<0.2				1.3			
4.0	0.3	320	27.9	27.9	8.1	8.1	22.6	22.6	102.5	102.6	7.1	7.1	4.8	4.8	4	4	88	91	<0.2	1.3											
6.9	0.2	350	27.8	27.8	8.1	8.1	23.0	23.1	97.0	96.9	6.7	6.7	5.6	5.6	3	4	91	91	<0.2	1.3											
6.9	0.2	352	27.7	27.8	8.1	8.1	23.0	23.1	96.7	96.9	6.7	6.7	6.3	6.3	4	4	91	91	<0.2	1.3											
IM2	Sunny	Moderate	08:55	7.6	Surface	1.0	0.6	349	27.7	27.7	8.1	8.1	22.3	22.4	97.1	96.9	6.7	6.7	4.7	4.7	6	5	86	85	88	819722	804609	<0.2	1.2	<0.2	1.2
						1.0	0.6	321	27.7	27.7	8.1	8.1	22.4	22.4	96.7	96.7	6.7	6.7	4.8	4.8	5	5	85	87				<0.2	1.2		
						4.0	0.5	355	27.5	27.5	8.1	8.1	23.0	23.0	95.1	94.8	6.6	6.6	8.6	8.6	4	5	87	88				<0.2	1.2		
					4.0	0.6	327	27.4	27.4	8.1	8.1	23.0	23.0	94.5	94.5	6.6	6.6	9.4	9.4	5	4	88	90	<0.2				1.2			
					7.0	0.5	356	27.3	27.3	8.1	8.1	25.2	25.2	86.5	86.5	6.0	6.0	10.8	10.8	4	5	90	90	<0.2				1.2			
					7.0	0.5	328	27.3	27.3	8.1	8.1	25.2	25.2	86.5	86.5	6.0	6.0	10.6	10.6	5	5	90	90	<0.2				1.1			
					1.0	0.7	4	27.9	27.9	8.1	8.1	21.7	21.7	100.7	100.7	7.0	7.0	4.4	4.4	4	3	85	87	<0.2				1.3			
					1.0	0.8	4	27.9	27.9	8.1	8.1	21.7	21.7	100.7	100.7	7.0	7.0	4.6	4.6	3	3	87	89	<0.2				1.2			
					3.9	0.7	6	27.7	27.7	8.1	8.1	23.3	23.3	93.7	93.5	6.5	6.5	10.9	10.9	4	4	89	88	<0.2				1.2			
3.9	0.8	6	27.7	27.7	8.1	8.1	23.3	23.3	93.3	93.5	6.5	6.5	11.6	11.6	4	4	88	89	<0.2	1.3											
6.8	0.6	14	27.6	27.6	8.1	8.1	23.7	23.7	92.6	92.8	6.4	6.4	14.9	14.9	5	6	89	90	<0.2	1.2											
6.8	0.6	15	27.6	27.6	8.1	8.1	23.7	23.7	92.9	92.8	6.4	6.4	14.9	14.9	6	6	90	90	<0.2	1.2											
IM3	Sunny	Moderate	09:06	7.9	Surface	1.0	0.1	359	28.3	28.3	8.1	8.1	18.9	18.9	100.4	100.3	7.0	7.0	4.5	4.5	3	4	85	85	87	821050	805839	<0.2	1.3	<0.2	1.3
						1.0	0.1	336	28.3	28.3	8.1	8.1	18.9	18.9	100.2	100.2	7.0	7.0	4.6	4.6	4	4	85	87				<0.2	1.3		
						4.2	0.3	32	28.0	28.0	8.1	8.1	21.1	21.1	97.2	97.0	6.8	6.8	7.8	7.8	4	5	87	88				<0.2	1.3		
					4.2	0.3	33	27.9	27.9	8.1	8.1	21.2	21.1	96.8	96.8	6.8	6.8	8.3	8.3	5	5	88	89	<0.2				1.3			
					7.4	0.3	56	27.9	27.9	8.1	8.1	22.5	22.5	96.1	96.2	6.7	6.7	9.9	9.9	5	5	89	89	<0.2				1.2			
					7.4	0.3	61	27.9	27.9	8.1	8.1	22.5	22.5	96.2	96.2	6.7	6.7	9.7	9.7	4	4	89	89	<0.2				1.3			
					1.0	0.1	80	28.3	28.3	8.1	8.1	19.6	19.6	96.6	96.5	6.8	6.8	4.2	4.2	4	3	85	86	<0.2				1.5			
					1.0	0.1	84	28.2	28.2	8.1	8.1	19.6	19.6	96.4	96.4	6.7	6.7	4.4	4.4	3	4	86	87	<0.2				1.6			
					4.2	0.2	77	27.8	27.8	8.1	8.1	20.4	20.4	94.4	94.3	6.6	6.6	9.9	9.9	4	4										

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

Water Quality Monitoring Results on 15 May 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			
IM9	Fine	Calm	09:10	7.4	Surface	1.0	1.6	50	28.3	8.0	8.0	18.7	18.7	87.3	87.2	6.1	6.0	1.7	5	86	89	822102	808817	<0.2	1.2	1.2	1.4					
						1.0	1.6	51	28.3	8.0	8.0	18.7	18.7	87.0	87.0	6.1	6.1	1.7	4	86	86	<0.2	1.2	1.2	1.4							
						3.7	1.9	51	28.2	8.2	8.2	20.5	20.5	84.3	84.4	5.9	5.9	2.8	5	89	89	<0.2	1.5	1.5	1.4							
					Middle	3.7	1.9	55	28.2	8.2	8.2	20.4	20.4	84.5	84.5	5.9	5.9	2.8	4	91	91	<0.2	1.4	1.4	1.4							
						6.4	2.0	50	28.1	8.2	8.2	22.0	22.0	82.0	82.3	5.7	5.7	4.4	5	90	90	<0.2	1.6	1.6	1.6							
						6.4	2.1	50	28.1	8.2	8.2	22.0	22.0	82.5	82.5	5.7	5.7	4.5	4	91	91	<0.2	1.6	1.6	1.6							
					IM10	Fine	Calm	09:03	7.6	Surface	1.0	1.5	3	28.3	8.0	8.0	20.6	20.6	88.3	88.2	6.1	6.1	1.0	6	83	87	822394	809784	<0.2	1.3	1.3	1.5
											1.0	1.5	3	28.3	8.0	8.0	20.6	20.6	88.1	88.1	6.1	6.1	1.1	6	83	83	<0.2	1.3	1.3	1.5		
											3.8	1.5	2	28.0	8.2	8.2	21.5	21.5	85.9	85.9	6.0	6.0	2.1	5	87	87	<0.2	1.4	1.4	1.4		
Middle	3.8	1.6	2	28.0						8.2	8.2	21.6	21.6	85.9	85.9	6.0	6.0	2.1	4	88	88	<0.2	1.5	1.5	1.5							
	6.6	1.5	6	27.9						8.2	8.2	23.4	23.4	81.4	81.6	5.6	5.6	3.8	5	90	90	<0.2	1.7	1.7	1.7							
	6.6	1.6	6	27.9						8.2	8.2	23.4	23.4	81.7	81.7	5.6	5.6	3.9	4	90	90	<0.2	1.6	1.6	1.6							
IM11	Fine	Calm	08:54	8.0						Surface	1.0	1.1	25	27.9	8.0	8.0	22.4	22.4	85.3	85.3	5.9	5.8	2.0	7	84	85	822072	811471	<0.2	1.3	1.3	1.4
											1.0	1.1	26	27.9	8.0	8.0	22.4	22.4	85.3	85.3	5.9	5.9	1.9	7	84	84	<0.2	1.5	1.5	1.5		
											4.0	1.1	24	27.7	8.2	8.2	22.5	22.5	83.7	82.0	5.8	5.8	2.2	6	86	86	<0.2	1.4	1.4	1.4		
					Middle	4.0	1.1	25	27.7	8.2	8.2	22.5	22.5	80.3	80.3	5.6	5.6	2.1	7	87	87	<0.2	1.4	1.4	1.4							
						7.0	1.1	20	27.7	8.1	8.1	24.2	24.2	79.9	79.9	5.5	5.5	3.8	5	87	87	<0.2	1.5	1.5	1.5							
						7.0	1.2	21	27.7	8.1	8.1	24.2	24.2	79.8	79.8	5.5	5.5	3.7	6	86	86	<0.2	1.5	1.5	1.5							
					IM12	Fine	Calm	08:49	9.2	Surface	1.0	0.5	14	28.0	8.2	8.2	21.6	21.6	88.2	88.2	6.1	6.1	1.7	5	84	85	821436	812053	<0.2	1.5	1.5	1.5
											1.0	0.5	15	27.9	8.2	8.2	21.6	21.6	88.1	88.1	6.1	6.1	1.8	6	84	84	<0.2	1.4	1.4	1.4		
											4.6	0.5	17	27.7	8.2	8.2	23.8	23.8	81.9	81.9	5.6	5.6	2.0	6	85	85	<0.2	1.6	1.6	1.6		
Middle	4.6	0.5	17	27.7						8.2	8.2	23.9	23.9	81.8	81.8	5.6	5.6	2.0	6	85	85	<0.2	1.5	1.5	1.5							
	8.2	0.5	15	27.7						8.2	8.2	24.0	24.0	81.4	81.4	5.6	5.6	4.1	7	88	88	<0.2	1.4	1.4	1.4							
	8.2	0.5	15	27.8						8.2	8.2	23.8	23.8	81.4	81.4	5.6	5.6	4.1	6	88	88	<0.2	1.5	1.5	1.5							
SR1A	Fine	Calm	08:18	4.2						Surface	1.0	-	-	28.2	8.2	8.2	19.8	19.8	86.0	85.8	6.0	6.0	1.1	4	-	-	819973	812665	-	-	-	-
											1.0	-	-	28.2	8.2	8.2	19.7	19.7	85.6	85.6	6.0	6.0	1.1	5	-	-	-	-	-	-		
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.2	-	-	28.1	8.2	8.2	21.0	21.0	84.0	84.0	5.9	5.9	1.1	4	-	-	-	-	-	-	-	-					
						3.2	-	-	28.0	8.2	8.2	21.0	21.0	83.9	83.9	5.8	5.8	1.2	5	-	-	-	-	-	-	-	-					
					SR2	Fine	Calm	08:03	3.6	Surface	1.0	0.3	102	28.0	8.2	8.2	22.1	22.1	83.8	83.7	5.8	5.8	2.1	9	85	86	821461	814187	<0.2	1.8	1.7	1.7
											1.0	0.3	105	28.0	8.2	8.2	22.1	22.1	83.5	83.5	5.8	5.8	2.1	8	84	84	<0.2	1.7	1.7	1.7		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	2.6	0.2	83	27.8						8.2	8.2	22.6	22.6	80.9	80.9	5.6	5.6	3.2	7	86	86	<0.2	1.7	1.7	1.7							
	2.6	0.3	87	27.8						8.2	8.2	22.6	22.6	80.8	80.8	5.6	5.6	3.1	6	87	87	<0.2	1.6	1.6	1.6							
SR3	Fine	Calm	09:22	9.0						Surface	1.0	2.1	39	28.3	8.0	8.0	18.3	18.3	90.4	90.2	6.4	6.1	1.4	4	-	-	822156	807579	-	-	-	
											1.0	2.1	39	28.3	8.0	8.0	18.3	18.3	90.0	90.0	6.3	6.1	1.4	5	-	-	-	-	-	-		
											4.5	2.3	41	28.2	8.2	8.2	20.9	20.9	82.8	82.7	5.8	5.8	2.3	5	-	-	-	-	-	-		
					Middle	4.5	2.3	43	28.2	8.2	8.2	21.0	21.0	82.5	82.5	5.7	5.7	2.2	6	-	-	-	-	-	-	-	-					
						8.0	2.3	44	28.2	8.2	8.2	21.2	21.2	81.3	81.2	5.6	5.6	3.2	5	-	-	-	-	-	-							
						8.0	2.5	44	28.3	8.2	8.2	21.2	21.2	81.1	81.1	5.6	5.6	3.2	6	-	-	-	-	-	-							
					SR4A	Sunny	Moderate	07:57	8.6	Surface	1.0	0.1	81	27.9	8.1	8.1	22.3	22.3	93.6	93.6	6.5	6.5	5.5	6	-	-	817176	807826	-	-	-	
											1.0	0.1	84	27.9	8.1	8.1	22.3	22.3	93.5	93.5	6.5	6.5	5.6	5	-	-	-	-	-	-		
											4.3	0.3	72	27.8	8.0	8.0	23.2	23.3	88.5	88.5	6.1	6.1	5.8	6	-	-	-	-	-	-		
Middle	4.3	0.3	77	27.8						8.0	8.0	23.3	23.3	88.5	88.5	6.1	6.1	5.8	5	-	-	-	-	-	-	-						
	7.6	0.3	66	27.5						8.0	8.0	24.9	24.9	86.0	86.2	5.9	5.9	12.8	8	-	-	-	-	-	-							
	7.6	0.3	71	27.5						8.0	8.0	24.9	24.9	86.3	86.3	5.9	5.9	12.6	7	-	-	-	-	-	-							
SR5A	Sunny	Moderate	07:36	4.6						Surface	1.0	0.1	282	28.2	8.0	8.0	22.5	22.5	95.4	95.4	6.6	6.6	5.2	7	-	-	816582	810712	-	-	-	
											1.0	0.1	286	28.2	8.0	8.0	22.5	22.5	95.4	95.4	6.6	6.6	5.2	7	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.6	0.1	287	28.2	8.0	8.0	22.7	22.7	94.8	94.8	6.5	6.5	6.9	9	-	-	-	-	-	-							
						3.6	0.1	295	28.1	8.0	8.0	22.7	22.7	94.8	94.8	6.5	6.5	6.8	10	-	-	-	-	-	-							
					SR6A	Sunny	Moderate	07:05	4.3	Surface	1.0	0.1	292	28.0	8.1	8.1	21.4	21.2	93.5	93.4	6.5	6.5	4.7	6	-	-	817977	814762	-	-	-	
											1.0	0.1	313	28.0	8.1	8.1	21.1	21.2	93.2	93.2	6.5	6.5	5.0	6	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	3.3	0.1	249	28.0						8.0	8.0	22.9	22.8	91.9	92.2	6.3	6.3	6.6	4	-	-	-	-	-	-							
	3.3	0.1	249	28.0						8.0	8.0	22.8	22.8	92.5	92.5	6.4	6.4	6.4	5	-	-	-	-	-	-							
SR7	Fine	Calm	07:15	18.0						Surface	1.0	2.8	19	27.																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 May 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						
C1	Fine	Rough	16:37	7.8	Surface	1.0	0.3	200	29.2	29.2	8.2	8.2	18.1	18.1	138.9	138.8	9.6	9.6	3.4	3.4	4	4	85	85	88	88	815624	804254	<0.2	2.1	<0.2	1.9							
						1.0	0.3	204	29.2	8.2	8.2	18.2	18.2	138.7	138.5	9.6	9.6	3.4	3.4	5	5	85	85	88	88	<0.2			1.8	<0.2	1.9								
						3.9	0.4	199	29.2	8.2	8.2	18.2	18.2	136.7	136.5	9.5	9.5	3.4	3.4	5	5	88	88	88	88	<0.2			1.8	<0.2	1.9								
					Middle	3.9	0.4	199	29.2	8.2	8.2	18.2	18.2	136.2	136.2	9.4	9.4	3.4	3.4	4	4	88	88	88	88	<0.2			1.6	<0.2	1.6								
						6.8	0.4	202	27.6	8.2	8.2	23.3	23.9	91.8	92.1	6.4	6.4	5.0	5.0	5	5	91	91	91	91	<0.2			1.7	<0.2	1.8								
						6.8	0.4	220	27.5	8.2	8.2	24.4	23.9	92.3	92.1	6.4	6.4	5.0	5.0	5	5	91	91	91	91	<0.2			1.8	<0.2	1.8								
					C2	Sunny	Rough	15:30	11.4	Surface	1.0	0.7	246	29.5	29.5	8.3	8.3	16.8	16.8	110.7	110.7	7.7	7.7	2.0	2.0	5			5	87	87	88	88	825698	806925	<0.2	1.6	<0.2	1.6
											1.0	0.7	260	29.5	8.3	8.3	16.8	16.8	110.6	110.7	7.7	7.7	2.0	2.0	4	4			87	87	88	88	<0.2			1.6	<0.2	1.6	
											5.7	1.4	263	27.8	8.2	8.2	22.7	22.8	82.7	82.2	5.7	5.7	8.5	8.5	5	5			89	89	89	89	<0.2			1.5	<0.2	1.6	
Middle	5.7	1.5	284	27.6						8.2	8.2	23.0	23.0	81.7	82.2	5.7	5.7	9.7	9.7	4	4	90	90	90	90	<0.2	1.6	<0.2	1.6										
	10.4	1.4	256	27.1						8.3	8.3	28.0	28.0	72.4	72.5	4.9	4.9	10.0	10.0	5	5	92	92	92	92	<0.2	1.6	<0.2	1.6										
	10.4	1.4	267	27.1						8.3	8.3	28.0	28.0	72.6	72.5	4.9	4.9	10.5	10.5	4	4	93	93	93	93	<0.2	1.5	<0.2	1.5										
C3	Sunny	Moderate	17:27	12.1						Surface	1.0	2.7	289	29.5	29.5	8.2	8.2	18.3	18.3	131.1	130.9	9.0	9.0	1.6	1.6	4	4	85	85	88	88	822099	817791			<0.2	1.5	<0.2	1.5
											1.0	2.7	306	29.5	8.2	8.2	18.3	18.3	130.6	130.6	9.0	9.0	1.6	1.6	5	5	86	86	88	88	<0.2					1.6	<0.2	1.6	
											6.1	3.1	289	27.0	8.2	8.2	26.7	26.7	84.0	84.1	5.8	5.8	3.4	3.4	5	5	87	87	88	88	<0.2					1.6	<0.2	1.6	
					Middle	6.1	3.4	300	26.9	8.2	8.2	26.8	26.7	84.2	84.1	5.8	5.8	3.2	3.2	4	4	88	88	88	88	<0.2	1.6	<0.2	1.6										
						11.1	3.0	299	26.8	8.2	8.2	28.7	28.7	86.6	87.7	5.9	5.9	3.4	3.4	5	5	91	91	91	91	<0.2	1.5	<0.2	1.5										
						11.1	3.1	323	26.9	8.2	8.2	28.7	28.7	88.7	88.7	6.0	6.0	3.1	3.1	4	4	92	92	92	92	<0.2	1.4	<0.2	1.4										
					IM1	Fine	Rough	16:14	5.0	Surface	1.0	0.1	256	29.4	29.4	8.2	8.2	16.9	16.9	148.4	148.2	10.3	10.3	3.2	3.2	5	5	89	89	90	90			817955	807146	<0.2	2.1	<0.2	2.1
											1.0	0.1	273	29.4	8.2	8.2	16.9	16.9	147.9	147.9	10.3	10.3	3.3	3.3	4	4	89	89	90	90	<0.2					2.1	<0.2	2.1	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
	4.0	0.2	243	27.4						8.2	8.2	26.5	26.4	82.6	82.9	5.6	5.6	4.1	4.1	4	4	91	91	91	91	<0.2	1.1	<0.2	1.1										
	4.0	0.2	266	27.4						8.2	8.2	26.4	26.4	83.2	83.2	5.7	5.7	4.2	4.2	3	3	92	92	92	92	<0.2	1.1	<0.2	1.1										
IM2	Fine	Rough	16:07	7.1						Surface	1.0	0.2	111	28.9	28.9	8.2	8.2	17.0	17.0	133.6	133.0	9.4	9.4	3.3	3.3	6	6	85	85	88	88	818186	806149			<0.2	1.9	<0.2	1.8
											1.0	0.2	120	28.8	8.2	8.2	17.0	17.0	132.4	132.4	9.3	9.3	3.4	3.4	5	5	85	85	88	88	<0.2					2.1	<0.2	1.8	
											3.6	0.2	132	28.2	8.2	8.2	20.8	20.8	103.8	103.5	7.2	7.2	3.8	3.8	5	5	89	89	89	89	<0.2					1.8	<0.2	1.9	
					Middle	3.6	0.2	142	28.2	8.2	8.2	20.8	20.8	103.1	103.5	7.2	7.2	3.9	3.9	4	4	89	89	89	89	<0.2	1.9	<0.2	1.9										
						6.1	0.1	159	26.9	8.1	8.1	27.7	27.7	80.7	80.9	5.5	5.5	4.9	4.9	5	5	90	90	90	90	<0.2	1.4	<0.2	1.4										
						6.1	0.1	173	26.9	8.1	8.1	27.7	27.7	81.0	80.9	5.5	5.5	5.0	5.0	4	4	90	90	90	90	<0.2	1.5	<0.2	1.5										
					IM3	Fine	Rough	16:01	7.0	Surface	1.0	0.2	338	29.1	29.1	8.2	8.2	16.8	16.8	127.2	126.7	8.9	8.9	3.6	3.6	5	5	86	86	88	88			818774	805576	<0.2	1.4	<0.2	1.3
											1.0	0.3	355	29.1	8.2	8.2	16.8	16.8	126.2	126.7	8.8	8.8	3.6	3.6	4	4	87	87	88	88	<0.2					1.3	<0.2	1.3	
											3.5	0.2	12	28.8	8.2	8.2	18.5	18.6	109.0	108.7	7.6	7.6	4.0	4.0	4	4	89	89	89	89	<0.2					2.0	<0.2	1.9	
Middle	3.5	0.2	12	28.8						8.2	8.2	18.6	18.6	108.4	108.7	7.6	7.6	4.1	4.1	5	5	90	90	90	90	<0.2	1.9	<0.2	1.9										
	6.0	0.1	143	26.6						8.0	8.0	28.5	28.5	78.7	78.9	5.4	5.4	4.9	4.9	4	4	90	90	90	90	<0.2	2.2	<0.2	2.0										
	6.0	0.1	149	26.7						8.0	8.0	28.5	28.5	79.0	78.9	5.4	5.4	5.2	5.2	5	5	91	91	91	91	<0.2	2.0	<0.2	2.0										
IM4	Fine	Rough	15:51	8.6						Surface	1.0	0.4	164	29.3	29.3	8.3	8.3	16.0	16.0	129.7	129.7	9.1	9.1	3.3	3.3	5	5	82	82	88	88	819706	804592			<0.2	1.4	<0.2	1.4
											1.0	0.4	180	29.3	8.3	8.3	16.0	16.0	129.6	129.6	9.1	9.1	3.3	3.3	6	6	84	84	88	88	<0.2					1.4	<0.2	1.4	
											4.3	0.4	186	28.8	8.2	8.2	18.4	18.5	109.7	108.5	7.6	7.6	4.7	4.7	4	4	89	89	89	89	<0.2					2.0	<0.2	1.8	
					Middle	4.3	0.4	189	28.8	8.2	8.2	18.6	18.5	107.3	108.5	7.5	7.5	5.0	5.0	5	5	90	90	90	90	<0.2	1.8	<0.2	1.8										
						7.6	0.4	151	26.8	8.0	8.0	28.2	28.2	75.0	75.2	5.1	5.1	5.4	5.4	4	4	91	91	91	91	<0.2	1.2	<0.2	1.2										
						7.6	0.4	158	26.8	8.0	8.0	28.2	28.2	75.3	75.2	5.1	5.1	5.5	5.5	5	5	92	92	92	92	<0.2	1.4	<0.2	1.4										
					IM5	Fine	Rough	15:44	7.9	Surface	1.0	0.4	177	29.3	29.3	8.1	8.2	15.7	15.7	128.5	128.3	9.0	9.0	2.9	2.9	5	5	84	84	88	88			820744	804848	<0.2	1.2	<0.2	1.3
											1.0	0.4	180	29.3	8.2	8.2	15.7	15.7	128.1	128.3	9.0	9.0	3.0	3.0	5	5	84	84	88	88	<0.2					1.3	<0.2	1.3	
											4.0	0.5	229	28.8	8.2	8.2	17.8	17.8	108.4	108.4	7.6	7.6	4.6	4.6	5	5	88	88	88	88	<0.2					1.9	<0.2	1.7	
Middle	4.0	0.6	240	28.8						8.2	8.2	17.8	17.8	108.3	108.4	7.6	7.6	4.6	4.6	4	4	88	88	88	88	<0.2	2.0	<0.2	1.9										
	6.9	0.4	197	26.9						8.0	8.0	27.5	27.5	74.7	74.9	5.1	5.1	5.5	5.5	4	4	92	92	92	92	<0.2	2.0	<0.2	2.0										
	6.9	0.4	210	26.9						8.0	8.0	27.5	27.5	75.0	74.9	5.1																							

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

Water Quality Monitoring Results on 18 May 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	Sunny	Moderate	15:59	7.9	Surface	1.0	2.0	91	29.1	8.3	8.3	16.3	16.3	117.1	116.3			8.2	7.0	2.0	8.0	4	6
					Surface	1.0	2.1	98	29.0	8.3	8.1	16.3	16.3	115.4	116.3	8.1	7.0	2.2	8.0	4	6	86	89	822086	808822	<0.2	1.4	<0.2	1.5		
					Middle	4.0	2.3	96	28.1	8.0	8.0	20.4	20.4	84.0	84.1	5.9	7.0	7.5	8.0	5	6	88	89	822086	808822	<0.2	1.4	<0.2	1.5		
					Middle	4.0	2.3	101	28.0	8.0	8.0	20.5	20.4	84.2	84.1	5.9	7.0	8.7	8.0	6	6	90	89	822086	808822	<0.2	1.6	<0.2	1.5		
					Bottom	6.9	2.1	92	27.5	8.0	8.0	25.4	25.4	73.8	74.2	5.1	5.1	13.5	8.0	8	6	90	89	822086	808822	<0.2	1.5	<0.2	1.5		
					Bottom	6.9	2.3	95	27.5	8.0	8.0	25.4	25.4	74.5	74.2	5.1	5.1	13.9	8.0	9	6	91	89	822086	808822	<0.2	1.5	<0.2	1.5		
IM10	Sunny	Moderate	16:04	7.8	Surface	1.0	1.9	106	29.1	8.2	8.2	17.1	17.1	110.5	110.3	7.7	6.8	2.0	8.3	4	4	85	89	822403	809798	<0.2	1.4	<0.2	1.5		
					Surface	1.0	2.0	115	29.1	8.2	8.2	17.1	17.1	110.1	110.3	7.7	6.8	2.1	8.3	5	4	85	89	822403	809798	<0.2	1.6	<0.2	1.5		
					Middle	3.9	2.7	111	28.0	8.1	8.1	21.0	20.8	83.1	83.6	5.8	6.8	10.9	8.3	4	4	90	89	822403	809798	<0.2	1.5	<0.2	1.5		
					Middle	3.9	3.0	111	27.9	8.1	8.1	20.7	20.8	84.0	83.6	5.9	6.8	11.8	8.3	4	4	90	89	822403	809798	<0.2	1.4	<0.2	1.5		
					Bottom	6.8	2.1	115	27.7	8.1	8.1	25.2	25.2	76.6	76.8	5.2	5.3	11.7	8.3	3	4	91	89	822403	809798	<0.2	1.6	<0.2	1.5		
					Bottom	6.8	2.3	122	27.7	8.1	8.1	25.2	25.2	77.0	76.8	5.3	5.3	11.2	8.3	4	4	91	89	822403	809798	<0.2	1.6	<0.2	1.5		
IM11	Sunny	Moderate	16:15	8.3	Surface	1.0	2.8	100	29.5	8.2	8.2	16.9	16.9	110.9	110.6	7.7	6.5	3.0	6.0	3	4	85	89	822050	811468	<0.2	1.5	<0.2	1.5		
					Surface	1.0	3.1	104	29.5	8.2	8.2	16.9	16.9	110.2	110.6	7.7	6.5	3.1	6.0	4	4	86	89	822050	811468	<0.2	1.6	<0.2	1.5		
					Middle	4.2	2.6	96	27.6	8.1	8.1	22.8	22.8	74.7	74.8	5.2	6.5	7.2	6.0	4	4	89	89	822050	811468	<0.2	1.6	<0.2	1.5		
					Middle	4.2	2.8	104	27.6	8.1	8.1	22.8	22.8	74.8	74.8	5.2	6.5	7.5	6.0	4	4	90	89	822050	811468	<0.2	1.5	<0.2	1.5		
					Bottom	7.3	2.7	96	27.6	8.1	8.1	26.0	26.0	76.1	76.4	5.2	5.2	7.5	6.0	5	4	92	89	822050	811468	<0.2	1.4	<0.2	1.5		
					Bottom	7.3	2.7	100	27.6	8.1	8.1	26.0	26.0	76.6	76.4	5.2	5.2	7.6	6.0	4	4	90	89	822050	811468	<0.2	1.6	<0.2	1.5		
IM12	Sunny	Moderate	16:21	8.8	Surface	1.0	3.2	115	28.9	8.2	8.2	17.2	17.2	106.6	105.7	7.5	6.4	4.5	5.9	4	4	84	88	821465	812037	<0.2	1.5	<0.2	1.5		
					Surface	1.0	3.3	116	28.7	8.2	8.2	17.2	17.2	104.8	104.8	7.4	6.4	5.1	5.9	3	4	85	88	821465	812037	<0.2	1.5	<0.2	1.5		
					Middle	4.4	3.0	114	28.2	8.0	8.0	21.3	21.3	78.4	78.4	5.4	6.4	6.7	5.9	4	4	86	88	821465	812037	<0.2	1.5	<0.2	1.5		
					Middle	4.4	3.2	121	28.1	8.0	8.0	21.3	21.3	78.4	78.4	5.4	6.4	6.7	5.9	4	4	89	88	821465	812037	<0.2	1.4	<0.2	1.5		
					Bottom	7.8	3.2	111	28.4	8.0	8.0	23.6	23.6	81.3	81.7	5.6	5.6	6.3	5.9	4	4	91	88	821465	812037	<0.2	1.7	<0.2	1.5		
					Bottom	7.8	3.4	118	28.4	8.0	8.0	23.5	23.6	82.0	81.7	5.6	5.6	6.4	5.9	4	4	90	88	821465	812037	<0.2	1.5	<0.2	1.5		
SR1A	Sunny	Moderate	16:51	4.7	Surface	1.0	-	-	29.2	8.2	8.2	18.7	18.7	112.3	112.1	7.8	7.8	2.5	2.8	5	5	-	-	819974	812659	-	-	-	-		
					Surface	1.0	-	-	29.2	8.2	8.2	18.8	18.7	111.9	112.1	7.7	7.8	2.5	2.8	4	5	-	-	819974	812659	-	-	-	-		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	5	-	-	819974	812659	-	-	-	-		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	5	-	-	819974	812659	-	-	-	-		
					Bottom	3.7	-	-	28.8	8.1	8.1	20.4	20.4	98.3	98.8	6.8	6.8	3.0	2.8	4	4	-	-	819974	812659	-	-	-	-		
					Bottom	3.7	-	-	28.9	8.1	8.1	20.4	20.4	99.3	98.8	6.8	6.8	3.1	2.8	5	4	-	-	819974	812659	-	-	-	-		
SR2	Sunny	Moderate	17:05	5.1	Surface	1.0	0.4	90	29.4	8.2	8.2	17.3	17.3	115.9	115.7	8.1	8.1	1.6	2.2	4	4	89	90	821486	814156	<0.2	1.6	<0.2	1.5		
					Surface	1.0	0.4	98	29.4	8.2	8.2	17.3	17.3	115.5	115.7	8.0	8.1	1.6	2.2	5	4	90	90	821486	814156	<0.2	1.5	<0.2	1.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	4	-	-	821486	814156	<0.2	1.4	<0.2	1.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	4	-	-	821486	814156	<0.2	1.4	<0.2	1.5		
					Bottom	4.1	0.2	57	28.8	8.1	8.1	19.8	19.8	96.1	96.3	6.6	6.7	2.9	2.2	4	4	91	90	821486	814156	<0.2	1.4	<0.2	1.5		
					Bottom	4.1	0.2	61	28.8	8.1	8.1	19.8	19.8	96.4	96.3	6.7	6.7	2.9	2.2	4	4	91	90	821486	814156	<0.2	1.5	<0.2	1.5		
SR3	Sunny	Rough	15:48	8.4	Surface	1.0	2.3	85	29.3	8.3	8.3	16.2	16.2	117.1	117.0	8.2	7.2	1.7	5.2	4	4	-	-	822155	807549	-	-	-	-		
					Surface	1.0	2.6	89	29.2	8.3	8.3	16.2	16.2	116.8	117.0	8.2	7.2	1.7	5.2	4	4	-	-	822155	807549	-	-	-	-		
					Middle	4.2	2.3	87	28.2	8.1	8.1	20.6	20.7	89.2	89.0	6.2	7.2	5.3	5.2	5	4	-	-	822155	807549	-	-	-	-		
					Middle	4.2	2.4	91	28.1	8.1	8.1	20.7	20.7	88.7	89.0	6.2	7.2	5.8	5.2	4	4	-	-	822155	807549	-	-	-	-		
					Bottom	7.4	2.3	95	27.7	8.1	8.1	25.0	25.0	76.3	76.9	5.2	5.3	8.3	5.2	4	4	-	-	822155	807549	-	-	-	-		
					Bottom	7.4	2.4	100	27.7	8.1	8.1	25.0	25.0	77.5	76.9	5.3	5.3	8.2	5.2	4	4	-	-	822155	807549	-	-	-	-		
SR4A	Fine	Calm	16:59	8.2	Surface	1.0	0.1	171	29.3	8.2	8.2	17.9	17.9	132.0	131.6	9.2	7.4	5.0	5.8	4	5	-	-	817194	807786	-	-	-	-		
					Surface	1.0	0.2	177	29.3	8.2	8.2	17.9	17.9	131.1	131.6	9.1	7.4	5.1	5.8	5	5	-	-	817194	807786	-	-	-	-		
					Middle	4.1	0.1	239	27.2	8.0	8.0	26.1	26.1	80.9	80.9	5.6	7.2	5.9	5.8	5	5	-	-	817194	807786	-	-	-	-		
					Middle	4.1	0.1	253	27.2	8.0	8.0	26.2	26.1	80.9	80.9	5.6	7.2	5.9	5.8	4	5	-	-	817194	807786	-	-	-	-		

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

Water Quality Monitoring Results on 18 May 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	04:58	9.0	Surface	1.0	0.2	31	29.1	8.2	8.2	16.8	16.8	116.7	116.0	8.2	7.2	3.6	3	85	88	85	88	88	88	815634	804224	<0.2	1.1	1.1	1.3					
						1.0	0.2	31	29.1	8.2	8.2	16.8	16.8	115.3	116.0	8.1	7.2	3.9	2	86	88	86	88	86	88	815634	804224	<0.2	1.1	1.1	1.3					
						4.5	0.1	41	26.7	8.1	8.1	28.3	28.3	89.9	90.2	6.1	7.2	4.1	4	88	88	88	88	88	88	815634	804224	<0.2	1.4	1.4	1.3					
					Middle	4.5	0.1	41	26.7	8.1	8.1	28.3	28.3	90.5	90.5	6.2	7.2	4.0	5	89	88	89	88	89	88	815634	804224	<0.2	1.4	1.4	1.3					
						8.0	0.1	44	25.9	8.1	8.1	31.3	31.3	74.7	74.8	5.1	5.1	5.8	4	90	88	90	88	90	88	815634	804224	<0.2	1.3	1.3	1.3					
						8.0	0.1	47	25.9	8.1	8.1	31.3	31.3	74.9	74.9	5.1	5.1	5.9	4	90	88	90	88	90	88	815634	804224	<0.2	1.3	1.3	1.3					
					C2	Cloudy	Moderate	06:22	12.4	Surface	1.0	2.2	285	29.5	8.3	8.3	14.8	14.8	117.1	117.1	8.2	7.2	1.6	3	85	85	85	85	85	85	825667	806950	<0.2	1.5	1.5	1.6
											1.0	2.2	285	29.5	8.3	8.3	14.8	14.8	117.1	117.1	8.2	7.2	1.6	2	85	85	85	85	85	85	825667	806950	<0.2	1.5	1.5	1.6
											6.2	2.6	282	28.6	8.1	8.1	21.3	21.3	88.1	88.2	6.1	7.2	1.3	2	87	87	87	87	87	87	825667	806950	<0.2	1.6	1.6	1.6
Middle	6.2	2.6	292	28.5						8.1	8.1	21.3	21.3	88.2	88.2	6.1	7.2	1.4	3	88	88	88	88	88	88	825667	806950	<0.2	1.5	1.5	1.6					
	11.4	2.4	282	27.7						8.1	8.1	25.4	25.4	78.3	78.5	5.4	5.4	3.7	4	89	88	89	88	89	88	825667	806950	<0.2	1.6	1.6	1.6					
	11.4	2.4	305	27.7						8.1	8.1	25.5	25.5	76.6	76.6	5.4	5.4	3.5	4	90	88	90	88	90	88	825667	806950	<0.2	1.6	1.6	1.6					
C3	Cloudy	Moderate	04:18	12.4						Surface	1.0	2.9	80	29.4	8.2	8.2	16.1	16.1	112.1	112.0	7.8	6.7	1.2	3	85	85	85	85	85	85	822088	817824	<0.2	1.5	1.5	1.6
											1.0	3.0	80	29.4	8.2	8.2	16.2	16.2	111.9	112.0	7.8	6.7	1.2	4	85	85	85	85	85	85	822088	817824	<0.2	1.5	1.5	1.6
											6.2	2.9	80	26.8	8.2	8.2	26.7	26.7	80.6	80.6	5.6	6.7	1.4	3	88	88	88	88	88	88	822088	817824	<0.2	1.6	1.6	1.6
					Middle	6.2	3.0	82	26.7	8.2	8.2	26.7	26.7	80.6	80.6	5.6	6.7	1.4	4	88	88	88	88	88	88	822088	817824	<0.2	1.5	1.5	1.6					
						11.4	3.1	80	26.6	8.2	8.2	30.4	30.4	76.2	76.3	5.2	5.2	2.0	4	90	88	90	88	90	88	822088	817824	<0.2	1.8	1.8	1.8					
						11.4	3.3	87	26.7	8.2	8.2	30.4	30.4	76.3	76.3	5.2	5.2	1.8	3	90	88	90	88	90	88	822088	817824	<0.2	1.8	1.8	1.8					
					IM1	Fine	Calm	05:18	5.5	Surface	1.0	0.0	25	29.2	8.2	8.2	16.7	16.7	133.4	133.2	9.3	9.3	2.7	4	87	87	87	87	87	87	817968	807146	<0.2	2.3	2.3	1.7
											1.0	0.0	27	29.2	8.2	8.2	16.7	16.7	133.0	133.0	9.3	9.3	2.8	4	87	87	87	87	87	87	817968	807146	<0.2	2.2	2.2	1.7
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.5	0.1	225	28.8						8.2	8.2	18.1	18.2	116.2	115.9	8.1	8.1	4.4	4	92	88	92	88	92	88	817968	807146	<0.2	1.2	1.2	1.7					
	4.5	0.1	244	28.8						8.2	8.2	18.2	18.2	115.5	115.9	8.1	8.1	4.4	5	93	88	93	88	93	88	817968	807146	<0.2	1.2	1.2	1.7					
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IM2	Fine	Rough	05:27	7.6						Surface	1.0	0.2	29	29.0	8.2	8.2	17.1	17.1	125.1	124.9	8.8	8.4	2.9	7	86	85	86	85	86	85	818168	806170	<0.2	1.4	1.4	1.6
											1.0	0.2	31	29.0	8.2	8.2	17.1	17.1	124.7	124.9	8.7	8.4	2.9	7	85	85	85	85	85	85	818168	806170	<0.2	1.4	1.4	1.6
											3.8	0.2	16	28.9	8.2	8.2	17.4	17.4	117.6	115.3	8.2	8.4	4.5	5	88	88	88	88	88	88	818168	806170	<0.2	2.0	2.0	1.6
					Middle	3.8	0.2	17	28.9	8.2	8.2	17.4	17.4	112.9	115.3	7.9	8.4	4.6	6	89	88	89	88	89	88	818168	806170	<0.2	2.0	2.0	1.6					
						6.6	0.1	344	27.1	8.1	8.1	27.0	27.0	82.6	83.0	5.7	5.7	5.3	4	90	88	90	88	90	88	818168	806170	<0.2	1.3	1.3	1.6					
						6.6	0.1	316	27.1	8.1	8.1	27.0	27.0	83.3	83.0	5.7	5.7	5.5	5	90	88	90	88	90	88	818168	806170	<0.2	1.3	1.3	1.6					
					IM3	Fine	Rough	05:33	7.5	Surface	1.0	0.1	19	29.0	8.1	8.1	16.7	16.7	122.2	121.9	8.6	8.4	3.1	6	87	87	87	87	87	87	818779	805617	<0.2	1.5	1.5	1.7
											1.0	0.1	20	29.0	8.1	8.1	16.7	16.7	121.6	121.9	8.5	8.4	3.1	5	87	87	87	87	87	87	818779	805617	<0.2	1.6	1.6	1.7
											3.8	0.1	245	28.9	8.1	8.1	17.4	17.4	117.3	116.8	8.2	8.4	4.3	6	88	88	88	88	88	88	818779	805617	<0.2	1.5	1.5	1.7
Middle	3.8	0.1	249	28.9						8.1	8.1	17.4	17.4	116.3	116.8	8.1	8.4	4.2	5	89	88	89	88	89	88	818779	805617	<0.2	1.5	1.5	1.7					
	6.5	0.1	153	27.0						8.1	8.1	27.4	27.3	80.5	80.6	5.5	5.5	5.8	6	91	88	91	88	91	88	818779	805617	<0.2	2.1	2.1	1.7					
	6.5	0.1	163	27.0						8.1	8.1	27.3	27.3	80.7	80.6	5.5	5.5	5.7	5	91	88	91	88	91	88	818779	805617	<0.2	2.0	2.0	1.7					
IM4	Fine	Rough	05:43	8.8						Surface	1.0	0.5	342	29.0	8.2	8.2	16.0	16.0	116.8	116.6	8.2	6.9	3.3	6	83	83	83	83	83	83	819715	804619	<0.2	2.0	2.0	1.9
											1.0	0.6	315	29.0	8.2	8.2	16.0	16.0	116.4	116.6	8.2	6.9	3.8	5	83	83	83	83	83	83	819715	804619	<0.2	2.1	2.1	1.9
											4.4	0.5	354	27.1	8.1	8.1	26.8	26.8	81.6	81.6	5.6	6.9	5.4	5	86	86	86	86	86	86	819715	804619	<0.2	2.0	2.0	1.9
					Middle	4.4	0.6	326	27.1	8.1	8.1	26.8	26.8	81.6	81.6	5.6	6.9	5.3	6	87	86	87	86	87	86	819715	804619	<0.2	2.0	2.0	1.9					
						7.8	0.5	360	26.4	8.1	8.1	29.2	29.2	76.9	77.0	5.3	6.9	6.1	4	90	88	90	88	90	88	819715	804619	<0.2	1.8	1.8	1.9					
						7.8	0.5	331	26.4	8.1	8.1	29.2	29.2	77.0	77.0	5.3	6.9	6.3	3	90	88	90	88	90	88	819715	804619	<0.2	1.7	1.7	1.9					
					IM5	Fine	Rough	05:50	7.9	Surface	1.0	0.7	5	29.1	8.3	8.3	16.3	16.3	119.6	119.5	8.4	7.2	3.2	4	85	85	85	85	85	85	820713	804883	<0.2	2.2	2.2	2.0
											1.0	0.8	5	29.1	8.3	8.3	16.3	16.3	119.4	119.5	8.4	7.2	3.2	5	85	85	85	85	85	85	820713	804883	<0.2	2.0	2.0	2.0
											4.0	0.7	7	27.1	8.1	8.1	26.4	25.1	85.2	85.7	5.9	7.2	5.5	5	88	88	88	88	88	88	820713	804883	<0.2	1.9	1.9	2.0
Middle	4.0	0.8	7	27.0						8.1	8.1	23.8																								

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

Water Quality Monitoring Results on 18 May 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	05:51	7.8	Surface	1.0	2.8	98	29.4	29.4	8.2	8.2	17.0	17.0	101.8	101.7	7.1	6.4	1.9	6.0	3	4	86	88	822086	808807	<0.2	1.7	<0.2	1.6								
						1.0	2.8	102	29.3	8.2	8.2	17.0	17.0	101.5	101.5	7.1	6.4	2.0	6.0	4	4	85	87	86	88	822086	808807	<0.2	1.5	<0.2	1.5							
						3.9	2.4	95	28.5	8.0	8.0	20.9	20.9	81.9	81.9	5.7	5.3	7.0	6.0	4	4	87	88	87	88	822086	808807	<0.2	1.5	<0.2	1.5							
					Middle	3.9	2.4	102	28.5	8.0	8.0	21.0	21.0	81.8	81.8	5.7	5.3	7.6	6.0	4	4	88	89	88	89	822086	808807	<0.2	1.5	<0.2	1.5							
						6.8	2.8	95	28.4	8.0	8.0	22.1	22.0	76.9	77.0	5.3	5.3	8.9	6.0	4	4	89	92	89	92	822086	808807	<0.2	1.5	<0.2	1.4							
						6.8	2.9	98	28.4	8.0	8.0	22.0	22.0	77.1	77.0	5.3	5.3	8.4	6.0	4	4	92	92	92	92	822086	808807	<0.2	1.5	<0.2	1.4							
					IM10	Cloudy	Moderate	05:42	8.2	Surface	1.0	2.5	110	29.2	29.2	8.1	8.1	16.9	16.9	103.3	103.0	7.2	6.7	1.9	3.1	4	4	85	89	822380	809800	<0.2	1.5	<0.2	1.6			
											1.0	2.7	113	29.2	8.1	8.1	16.9	16.9	102.7	102.7	7.2	6.7	1.9	3.1	4	4	85	89	85	89	822380	809800	<0.2	1.6	<0.2	1.6		
											4.1	2.6	105	28.6	8.1	8.1	20.2	20.2	89.1	89.0	6.2	5.5	1.8	3.1	4	4	89	89	89	89	822380	809800	<0.2	1.8	<0.2	1.8		
Middle	4.1	2.7	112	28.6						8.1	8.1	20.2	20.2	88.9	88.9	6.2	5.5	1.9	3.1	4	4	89	89	89	89	822380	809800	<0.2	1.8	<0.2	1.8							
	7.2	2.9	104	28.1						8.1	8.1	23.6	23.7	79.9	80.0	5.5	5.5	5.2	3.1	4	4	92	92	92	92	822380	809800	<0.2	1.5	<0.2	1.5							
	7.2	3.1	110	28.1						8.1	8.1	23.7	23.7	80.0	80.0	5.5	5.5	5.8	3.1	3	3	92	92	92	92	822380	809800	<0.2	1.6	<0.2	1.6							
IM11	Cloudy	Moderate	05:31	8.2						Surface	1.0	1.1	27	29.2	29.2	8.2	8.2	16.4	16.4	107.1	106.9	7.5	6.9	1.4	2.7	4	3	86	88	822046	811454	<0.2	1.5	<0.2	1.4			
											1.0	1.2	28	29.2	8.2	8.2	16.5	16.4	106.7	106.9	7.5	6.9	1.4	2.7	3	3	86	88	86	88	822046	811454	<0.2	1.4	<0.2	1.4		
											4.1	1.1	22	28.2	8.1	8.1	20.7	20.7	89.8	89.6	6.2	5.5	3.0	2.7	3	3	88	89	88	89	822046	811454	<0.2	1.5	<0.2	1.5		
					Middle	4.1	1.1	23	28.2	8.1	8.1	20.7	20.7	89.4	89.4	6.2	5.5	3.3	2.7	3	3	88	89	88	89	822046	811454	<0.2	1.5	<0.2	1.5							
						7.2	1.1	24	28.4	8.1	8.1	24.5	24.5	83.5	83.8	5.7	5.7	3.6	2.7	2	2	89	88	89	88	822046	811454	<0.2	1.4	<0.2	1.4							
						7.2	1.2	26	28.5	8.1	8.1	24.5	24.5	84.0	84.0	5.7	5.7	3.5	2.7	3	3	88	88	88	88	822046	811454	<0.2	1.4	<0.2	1.4							
					IM12	Cloudy	Moderate	05:25	9.8	Surface	1.0	2.0	73	29.6	29.6	8.2	8.2	16.1	16.1	110.9	110.9	7.7	6.7	1.8	3.8	2	3	86	87	821457	812035	<0.2	1.5	<0.2	1.6			
											1.0	2.2	74	29.6	8.2	8.2	16.2	16.1	110.8	110.8	7.7	6.7	2.0	3.8	3	3	87	87	87	87	821457	812035	<0.2	1.5	<0.2	1.5		
											4.9	2.3	69	28.0	8.2	8.2	22.8	22.9	81.4	81.4	5.6	5.6	5.4	3.8	3	3	87	87	87	87	821457	812035	<0.2	1.5	<0.2	1.5		
Middle	4.9	2.4	74	28.0						8.2	8.2	22.9	22.9	81.3	81.3	5.6	5.6	5.4	3.8	3	3	87	87	87	87	821457	812035	<0.2	1.5	<0.2	1.5							
	8.8	2.6	68	27.8						8.2	8.2	25.8	25.8	83.0	83.1	5.7	5.7	4.1	3.8	3	3	90	89	90	89	821457	812035	<0.2	1.5	<0.2	1.5							
	8.8	2.7	73	27.8						8.2	8.2	25.8	25.8	83.2	83.2	5.7	5.7	4.2	3.8	4	4	91	89	91	89	821457	812035	<0.2	1.4	<0.2	1.4							
SR1A	Cloudy	Moderate	04:56	4.6						Surface	1.0	-	-	29.5	29.5	8.1	8.1	17.0	17.0	105.3	105.2	7.3	7.3	1.8	2.3	3	-	-	-	819978	812664	-	-	-	-			
											1.0	-	-	29.4	29.4	8.1	8.1	17.1	17.0	105.0	105.0	7.3	7.3	1.8	2.3	2	-	-	-	-	-	819978	812664	-	-	-	-	
											2.3	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.6	-	-	29.1	29.1	8.1	8.1	19.0	19.0	97.8	97.8	6.8	6.8	2.7	2.3	3	-	-	-	-	-	-	-	-	-	-	-						
						3.6	-	-	29.1	29.1	8.1	8.1	19.0	19.0	97.8	97.8	6.8	6.8	2.7	2.3	4	-	-	-	-	-	-	-	-	-	-	-						
					SR2	Cloudy	Moderate	04:41	4.8	Surface	1.0	2.1	54	29.4	29.4	8.2	8.2	16.3	16.3	111.8	111.7	7.8	7.8	1.5	2.3	3	3	87	87	821465	814155	<0.2	1.5	<0.2	1.6			
											1.0	2.2	56	29.4	8.2	8.2	16.3	16.3	111.6	111.6	7.8	7.8	1.7	2.3	2	3	87	87	87	87	821465	814155	<0.2	1.6	<0.2	1.6		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	3.8	2.0	54	28.7						8.2	8.2	21.0	21.0	93.1	93.3	6.4	6.4	3.1	2.3	4	3	88	88	88	88	821465	814155	<0.2	1.5	<0.2	1.5							
	3.8	2.0	59	28.8						8.2	8.2	21.0	21.0	93.4	93.4	6.4	6.4	3.0	2.3	4	3	89	89	89	89	821465	814155	<0.2	1.5	<0.2	1.5							
SR3	Cloudy	Moderate	06:02	8.7						Surface	1.0	2.9	103	29.3	29.3	8.2	8.2	15.9	15.9	111.4	111.3	7.8	7.8	1.5	8.0	3	4	-	-	822134	807559	-	-	-	-			
											1.0	3.1	112	29.3	8.2	8.2	15.9	15.9	111.1	111.1	7.8	7.8	1.5	8.0	3	4	-	4	-	-	-	-	822134	807559	-	-	-	-
											4.4	3.0	102	28.3	8.1	8.1	18.4	18.4	87.5	87.0	6.2	6.1	8.3	8.0	3	4	-	4	-	-	-	-	822134	807559	-	-	-	-
					Middle	4.4	3.0	106	28.2	8.1	8.1	18.5	18.4	86.5	86.5	6.1	6.1	9.2	8.0	4	4	-	4	-	-	-	-	822134	807559	-	-	-	-					
						7.7	2.8	104	28.0	8.0	8.0	22.9	22.9	71.1	71.2	4.9	4.9	13.5	8.0	5	4	-	5	-	-	-	-	822134	807559	-	-	-	-					
						7.7	2.9	112	28.0	8.0	8.0	22.9	22.9	71.2	71.2	4.9	4.9	14.0	8.0	5	4	-	5	-	-	-	-	822134	807559	-	-	-	-					
					SR4A	Fine	Calm	04:34	9.6	Surface	1.0	0.4	74	29.0	29.0	8.3	8.3	18.2	18.2	124.8	124.7	8.7	8.0	3.7	4.6	5	5	-	-	817190	807817	-	-	-	-			
											1.0	0.4	80	28.9	8.3	8.3	18.2	18.2	124.6	124.6	8.7	8.0	3.9	4.6	6	5	-	5	-	-	-	-	817190	807817	-	-	-	-
											4.8	0.3	59	28.7	8.2	8.2	20.0	20.0	105.4	105.2	7.3	7.3	4.6	4.6	4	5	-	5	-	-	-	-	817190	807817	-	-	-	-
Middle	4.8	0.3	61	28.7						8.2	8.2	20.0	20.0	104.9	104.9	7.3	7.3	4.6	4.6	5	5	-	5	-	-	-	-	817190	807817	-	-	-	-					
	8.6	0.2	70	26.9						8.1	8.1	28.0	28.0	78.5	78.6	5.4	5.4	5.4	4.6	5	5	-	5	-	-	-	-	817190	807817	-	-	-	-					
	8.6	0.2	71	26.9						8.1	8.1	28.0	28.0	78.7	78.6	5.4	5.4	5.3	4.6	4	5	-	4	-	-	-	-	817190	807817	-	-	-	-					
SR5A	Fine	Calm	03:44	4.5						Surface	1.0	0.0	261	29.2	29.2	8.2	8.2	18.8	18.8	119.8	119.5	8.3	8.3	4.4	5.1	6	6	-	-	816592	810675	-	-	-	-			
											1.0	0.0	285	29.1	8.2	8.2	18.8	18.8	119.2	119.2	8.3	8.3	4.8	5.1	5	6	-	5	-	-	-	-	816592	810675	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.5	0.0	315	29.0	8.2	8.2	20.4	20.4	106.4	106.5	7.3	7.3	5.8	5.1	6	6	-																



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

Water Quality Monitoring

Water Quality Monitoring Results on 20 May 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						
C1	Fine	Calm	18:51	8.4	Surface	1.0	0.3	213	29.2	29.2	8.3	8.3	13.3	13.3	124.8	124.8	8.9	8.9	7.2	7.2	6	6	89	89	90	90	815642	804264	<0.2	1.3	<0.2	1.4							
						1.0	0.3	220	29.2	8.3	8.3	13.3	13.3	124.7	124.7	8.9	8.9	7.1	7.1	6	6	89	89	90	90	<0.2			1.2	<0.2	1.2								
						4.2	0.2	209	29.1	8.3	8.3	16.5	16.5	112.6	112.6	7.9	7.9	8.8	8.8	6	6	90	90	90	90	<0.2			1.2	<0.2	1.2								
					Middle	4.2	0.2	218	29.1	8.3	8.3	16.5	16.5	112.2	112.2	7.9	7.9	8.8	8.8	6	6	90	90	90	90	<0.2			1.2	<0.2	1.2								
						7.4	0.2	190	28.5	8.1	8.1	21.8	22.3	105.0	107.5	7.2	7.2	9.1	9.1	6	6	91	91	90	90	<0.2			1.3	<0.2	1.3								
						7.4	0.2	205	28.9	8.1	8.1	22.8	22.8	110.0	110.0	7.5	7.5	9.0	9.0	6	6	92	92	90	90	<0.2			1.3	<0.2	1.3								
					C2	Cloudy	Moderate	17:43	11.6	Surface	1.0	0.3	176	29.2	29.2	8.3	8.3	12.7	12.7	110.1	110.1	7.9	7.9	4.3	4.3	4			4	83	83	86	86	825661	806939	<0.2	1.5	<0.2	1.4
											1.0	0.3	185	29.2	8.3	8.3	12.7	12.7	110.0	110.0	7.9	7.9	4.3	4.3	5	5			84	84	87	87	<0.2			1.4	<0.2	1.4	
											5.8	0.2	166	28.2	8.1	8.1	22.2	22.2	87.3	87.3	6.0	6.0	3.5	3.5	5	5			87	87	86	86	<0.2			1.4	<0.2	1.4	
Middle	5.8	0.2	173	28.2						8.1	8.1	22.2	22.2	87.2	87.2	6.0	6.0	3.6	3.6	5	5	86	86	88	88	<0.2	1.4	<0.2	1.4										
	10.6	0.3	180	27.2						8.1	8.1	27.0	27.0	72.6	72.7	5.0	5.0	4.9	4.9	5	5	88	88	89	89	<0.2	1.4	<0.2	1.4										
	10.6	0.3	182	27.2						8.1	8.1	27.0	27.0	72.7	72.7	5.0	5.0	4.9	4.9	5	5	89	89	90	90	<0.2	1.4	<0.2	1.4										
C3	Cloudy	Moderate	19:57	12.3						Surface	1.0	0.4	47	29.6	29.6	8.5	8.5	14.5	14.5	156.9	156.6	11.0	11.0	3.8	3.8	9	9	86	86	88	88	822095	817804			<0.2	1.4	<0.2	1.4
											1.0	0.5	51	29.6	8.5	8.5	14.5	14.5	156.2	156.2	11.0	11.0	3.8	3.8	8	8	86	86	88	88	<0.2					1.4	<0.2	1.4	
											6.2	0.2	22	27.2	8.2	8.2	26.8	26.9	90.8	90.7	6.2	6.2	2.6	2.6	8	8	88	88	88	88	<0.2					1.4	<0.2	1.4	
					Middle	6.2	0.2	22	27.2	8.2	8.2	26.8	26.9	90.6	90.6	6.2	6.2	2.6	2.6	7	7	88	88	90	90	<0.2	1.4	<0.2	1.4										
						11.3	0.1	68	26.1	8.1	8.1	30.7	30.7	77.7	77.8	5.3	5.3	5.3	5.3	8	8	90	90	90	90	<0.2	1.4	<0.2	1.4										
						11.3	0.2	70	26.1	8.1	8.1	30.7	30.7	77.8	77.8	5.3	5.3	5.7	5.7	8	8	90	90	90	90	<0.2	1.4	<0.2	1.4										
					IM1	Fine	Calm	18:27	5.2	Surface	1.0	0.1	178	29.6	29.6	8.3	8.3	12.8	12.9	119.7	118.9	8.5	8.5	7.1	7.1	6	6	87	87	89	89			817927	807127	<0.2	2.1	<0.2	2.1
											1.0	0.1	183	29.6	8.3	8.3	12.9	12.9	118.1	118.1	8.4	8.4	7.1	7.1	6	6	88	88	89	89	<0.2					2.1	<0.2	2.1	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
	4.2	0.1	216	29.3						29.3	8.2	8.2	16.3	16.3	109.0	109.3	7.6	7.6	7.4	7.4	6	6	90	90	91	91	<0.2	2.8	<0.2	2.8									
	4.2	0.1	233	29.3						29.3	8.2	8.2	16.3	16.3	109.5	109.5	7.7	7.7	7.4	7.4	6	6	91	91	91	91	<0.2	2.8	<0.2	2.8									
IM2	Fine	Calm	18:22	7.0						Surface	1.0	0.2	167	29.6	29.6	8.3	8.3	12.7	12.7	121.0	120.6	8.6	8.6	6.5	6.5	5	5	89	89	90	90	818181	806169			<0.2	1.6	<0.2	1.6
											1.0	0.2	173	29.6	29.6	8.3	8.3	12.7	12.7	120.2	120.2	8.5	8.5	6.5	6.5	5	5	89	89	90	90					<0.2	1.6	<0.2	1.6
											3.5	0.2	132	29.3	29.3	8.2	8.2	15.1	15.0	108.9	108.3	7.7	7.7	7.4	7.4	6	6	90	90	91	91					<0.2	1.6	<0.2	1.6
					Middle	3.5	0.2	143	29.3	29.3	8.2	8.2	15.1	15.0	107.6	107.6	7.6	7.6	7.5	7.5	5	5	91	91	91	91	<0.2	1.6	<0.2	1.6									
						6.0	0.2	141	28.9	28.9	8.1	8.1	20.1	20.0	97.4	98.5	6.7	6.7	8.0	8.0	7	7	91	91	91	91	<0.2	1.7	<0.2	1.7									
						6.0	0.2	152	28.9	28.9	8.1	8.1	20.0	20.0	99.5	99.5	6.9	6.9	8.0	8.0	6	6	91	91	91	91	<0.2	1.8	<0.2	1.8									
					IM3	Fine	Calm	18:17	7.4	Surface	1.0	0.2	215	29.5	29.5	8.3	8.3	13.4	13.2	110.2	110.0	7.8	7.8	7.6	7.6	7	7	89	89	90	90			818793	805615	<0.2	2.3	<0.2	2.2
											1.0	0.2	227	29.5	29.5	8.3	8.3	13.0	13.0	109.7	109.7	7.8	7.8	7.6	7.6	6	6	89	89	90	90					<0.2	2.2	<0.2	2.2
											3.7	0.1	184	29.3	29.3	8.2	8.2	15.3	15.2	102.5	102.2	7.2	7.2	7.7	7.7	5	5	90	90	90	90					<0.2	2.6	<0.2	2.6
Middle	3.7	0.1	194	29.3						29.3	8.2	8.2	15.2	15.2	101.8	102.2	7.2	7.2	7.8	7.8	5	5	90	90	90	90	<0.2	2.6	<0.2	2.6									
	6.4	0.3	122	28.8						28.8	8.1	8.1	20.2	20.1	93.3	94.0	6.4	6.4	8.6	8.6	3	3	91	91	91	91	<0.2	2.0	<0.2	2.0									
	6.4	0.3	132	28.8						28.8	8.1	8.1	20.1	20.1	94.6	94.6	6.5	6.5	8.6	8.6	4	4	92	92	91	91	<0.2	2.0	<0.2	2.0									
IM4	Fine	Calm	18:10	8.6						Surface	1.0	0.4	233	29.7	29.6	8.3	8.3	12.6	12.6	119.1	118.4	8.5	8.4	7.7	7.7	4	4	87	87	88	88	819719	804590			<0.2	1.6	<0.2	1.7
											1.0	0.4	239	29.6	29.6	8.3	8.3	12.6	12.6	117.7	117.7	8.4	8.4	7.9	7.9	4	4	88	88	89	89					<0.2	1.6	<0.2	1.6
											4.3	0.2	156	29.0	29.0	8.1	8.1	16.0	16.1	89.9	89.7	6.3	6.3	9.3	9.3	6	6	89	89	89	89					<0.2	1.6	<0.2	1.6
					Middle	4.3	0.2	161	29.0	29.0	8.1	8.1	16.2	16.1	89.4	89.7	6.3	6.3	9.4	9.4	5	5	89	89	91	91	<0.2	1.6	<0.2	1.6									
						7.6	0.2	149	28.6	28.6	8.0	8.0	21.1	21.5	89.2	90.3	6.2	6.2	10.5	10.5	6	6	91	91	91	91	<0.2	1.6	<0.2	1.6									
						7.6	0.2	160	28.6	28.6	8.0	8.0	21.8	21.5	91.4	90.3	6.3	6.3	10.1	10.1	6	6	91	91	91	91	<0.2	1.7	<0.2	1.7									
					IM5	Fine	Calm	18:04	8.0	Surface	1.0	0.3	216	29.6	29.6	8.3	8.3	12.6	12.6	119.2	118.5	8.5	8.4	7.6	7.6	5	5	87	87	88	88			820736	804889	<0.2	2.2	<0.2	2.3
											1.0	0.3	229	29.6	29.6	8.3	8.3	12.6	12.6	117.8	118.5	8.4	8.4	7.5	7.5	5	5	88	88	89	89					<0.2	2.2	<0.2	2.3
											4.0	0.2	171	29.2	29.2	8.2	8.2	15.4	15.4	100.3	99.2	7.1	7.1	8.0	8.0	5	5	89	89	89	89					<0.2	1.9	<0.2	1.9
Middle	4.0	0.2	183	29.2						29.2	8.2	8.2	15.4	15.4	98.1	99.2	6.9	6.9	8.2	8.2	5	5	89	89	90	90	<0.2	1.8	<0.2	1.8									
	7.0	0.2	157	28.9						29.0	8.1	8.1	20.4	20.4	104.8	107.3	7.2	7.2	8.																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 May 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	18:13	7.1	Surface	1.0	0.2	100	29.3	29.3	8.3	8.3	13.3	13.3	118.9	118.8	8.5	8.0	4.0	4	85	87	822076	808831	<0.2	1.4	<0.2	1.4							
						1.0	0.2	107	29.3	8.3	8.3	13.3	13.3	118.6	118.8	8.4	8.0	4.0	4	84	87	822076	808831	<0.2	1.4	<0.2	1.4								
						3.6	0.2	92	29.1	8.2	8.2	14.5	14.5	106.8	106.7	7.6	4.3	5	5	86	87	822076	808831	<0.2	1.4	<0.2	1.4								
					Middle	3.6	0.2	95	29.1	8.2	8.2	14.6	14.5	106.6	106.7	7.6	4.2	5	5	87	87	822076	808831	<0.2	1.4	<0.2	1.4								
						6.1	0.2	77	28.5	8.0	8.0	20.8	20.8	72.8	72.8	5.0	6.1	5	5	89	89	822076	808831	<0.2	1.4	<0.2	1.4								
						6.1	0.3	77	28.5	8.0	8.0	20.8	20.8	72.8	72.8	5.0	6.0	5	5	89	89	822076	808831	<0.2	1.4	<0.2	1.4								
					IM10	Cloudy	Moderate	18:21	8.0	Surface	1.0	0.5	109	29.2	29.2	8.3	8.3	13.1	13.1	117.5	117.5	8.4	8.0	3.9	5	85	87	822376	809796	<0.2	1.4	<0.2	1.4		
											1.0	0.5	109	29.2	8.3	8.3	13.1	13.1	117.4	117.5	8.4	3.9	5	5	84	87	822376	809796	<0.2	1.4	<0.2	1.4			
											4.0	0.5	121	29.1	8.2	8.2	15.5	15.5	105.8	105.8	7.5	4.1	5	5	87	87	822376	809796	<0.2	1.4	<0.2	1.4			
Middle	4.0	0.5	123	29.1						8.2	8.2	15.5	15.5	105.7	105.7	7.5	4.1	4	4	87	87	822376	809796	<0.2	1.4	<0.2	1.4								
	7.0	0.4	91	28.1						8.0	8.0	22.7	22.7	71.0	71.1	4.9	5.7	4	4	89	89	822376	809796	<0.2	1.4	<0.2	1.4								
	7.0	0.5	92	28.1						8.0	8.0	22.7	22.7	71.2	71.1	4.9	5.6	4	4	89	89	822376	809796	<0.2	1.4	<0.2	1.4								
IM11	Cloudy	Moderate	18:32	8.1						Surface	1.0	0.8	112	29.3	29.3	8.3	8.3	13.8	13.8	117.9	117.8	8.4	7.9	4.0	5	85	87	822047	811442	<0.2	1.4	<0.2	1.4		
											1.0	0.9	114	29.2	8.3	8.3	13.1	13.1	117.6	117.8	8.4	3.9	5	5	84	87	822047	811442	<0.2	1.4	<0.2	1.4			
											4.1	0.6	128	29.1	8.2	8.2	16.1	16.1	104.7	104.7	7.4	4.1	4	4	87	87	822047	811442	<0.2	1.3	<0.2	1.3			
					Middle	4.1	0.6	136	29.1	8.2	8.2	16.1	16.1	104.6	104.7	7.4	4.0	4	4	87	87	822047	811442	<0.2	1.3	<0.2	1.3								
						7.1	0.3	78	27.8	8.1	8.1	24.6	24.5	83.1	83.2	5.7	6.2	4	4	89	89	822047	811442	<0.2	1.5	<0.2	1.5								
						7.1	0.3	80	27.8	8.1	8.1	24.5	24.5	83.3	83.3	5.7	5.8	4	4	89	89	822047	811442	<0.2	1.5	<0.2	1.5								
					IM12	Cloudy	Moderate	18:38	9.5	Surface	1.0	0.6	126	29.6	29.6	8.4	8.4	13.8	13.8	131.1	131.0	9.3	8.2	4.2	4	84	86	821462	812048	<0.2	1.6	<0.2	1.6		
											1.0	0.7	132	29.6	8.4	8.4	13.9	13.8	130.9	130.9	9.2	4.2	4	4	84	86	821462	812048	<0.2	1.6	<0.2	1.6			
											4.8	0.5	108	28.9	8.2	8.2	17.6	17.4	101.1	101.3	7.1	4.0	6	5	86	87	821462	812048	<0.2	1.5	<0.2	1.5			
Middle	4.8	0.5	111	28.9						8.2	8.2	17.2	17.4	101.4	101.4	7.1	4.0	6	6	87	87	821462	812048	<0.2	1.6	<0.2	1.6								
	8.5	0.3	89	27.1						8.1	8.1	27.6	27.6	78.1	78.2	5.3	8.1	6	6	88	88	821462	812048	<0.2	1.6	<0.2	1.6								
	8.5	0.3	92	27.1						8.1	8.1	27.6	27.6	78.2	78.2	5.3	8.0	6	6	89	89	821462	812048	<0.2	1.6	<0.2	1.6								
SR1A	Cloudy	Moderate	19:18	4.9						Surface	1.0	-	-	29.6	29.6	8.5	8.5	14.2	14.2	142.8	142.5	10.1	10.1	3.3	8	-	-	819976	812661	-	-	-	-		
											1.0	-	-	29.6	29.6	8.5	8.5	14.2	14.2	142.2	142.2	10.0	3.3	8	8	-	-	-	-	819976	812661	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.9	-	-	29.1	29.1	8.3	8.3	17.5	17.5	121.3	121.3	8.5	5.5	7	7	-	-	-	-	-	-	-	-	-	-	-				
						3.9	-	-	29.1	29.1	8.3	8.3	17.5	17.5	121.3	121.3	8.5	5.4	7	7	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Cloudy	Moderate	19:35	4.5	Surface	1.0	0.5	78	29.6	29.6	8.5	8.5	13.6	13.6	144.5	144.4	10.2	10.2	4.3	8	86	86	821475	814145	<0.2	1.5	<0.2	1.5		
											1.0	0.5	83	29.6	29.6	8.5	8.5	13.6	13.6	144.2	144.2	10.2	4.3	8	8	85	85	821475	814145	<0.2	1.7	<0.2	1.7		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.5	0.3	84	29.1						8.4	8.4	18.6	18.5	118.8	119.2	8.2	5.0	7	7	87	87	821475	814145	<0.2	1.5	<0.2	1.5								
	3.5	0.4	87	29.2						8.4	8.4	18.5	18.5	119.6	119.6	8.3	4.8	8	8	87	87	821475	814145	<0.2	1.5	<0.2	1.5								
SR3	Cloudy	Moderate	18:03	9.2						Surface	1.0	0.2	216	29.3	29.3	8.3	8.3	13.5	13.5	116.7	116.7	8.3	8.0	4.0	4	-	-	-	-	822156	807576	-	-	-	-
											1.0	0.2	224	29.3	29.3	8.3	8.3	13.5	13.5	116.6	116.6	8.3	4.0	4	4	-	-	-	-	-	-	-	-	-	-
											4.6	0.3	198	29.1	8.3	8.3	15.7	15.6	108.8	108.8	7.7	4.0	4	4	-	-	-	-	-	-	-	-	-	-	
					Middle	4.6	0.3	213	29.2	8.3	8.3	15.5	15.6	108.8	108.8	7.7	4.1	5	5	-	-	-	-	-	-	-	-	-	-	-					
						8.2	0.1	188	28.4	8.1	8.1	20.6	20.8	83.7	83.8	5.8	5.9	5	5	-	-	-	-	-	-	-	-	-	-						
						8.2	0.1	199	28.3	8.1	8.1	21.0	20.8	83.9	83.9	5.8	5.9	5	5	-	-	-	-	-	-	-	-	-	-						
					SR4A	Fine	Calm	19:10	9.0	Surface	1.0	0.2	68	29.2	29.2	8.4	8.4	13.3	13.3	126.5	126.4	9.0	8.1	7.2	4	-	-	-	-	817195	807808	-	-	-	-
											1.0	0.2	71	29.2	29.2	8.4	8.4	13.3	13.3	126.3	126.3	9.0	7.2	4	4	-	-	-	-	-	-	-	-		
											4.5	0.1	56	29.0	8.2	8.2	16.9	16.9	103.1	103.0	7.2	9.5	6	6	-	-	-	-	-	-	-	-			
Middle	4.5	0.1	56	29.0						8.2	8.2	16.9	16.9	102.8	103.0	7.2	9.5	6	6	-	-	-	-	-	-	-	-	-							
	8.0	0.1	70	28.5						8.1	8.1	20.7	20.9	102.0	109.1	7.1	10.2	7	7	-	-	-	-	-	-	-	-								
	8.0	0.1	72	27.9						8.1	8.1	21.1	20.9	116.1	109.1	7.9	10.2	7	7	-	-	-	-	-	-	-	-								
SR5A	Fine	Calm	19:34	3.6						Surface	1.0	0.0	99	29.2	29.2	8.3	8.3	13.3	13.3	126.8	126.9	9.0	9.0	6.9	5	-	-	-	-	816595	810674	-	-	-	-
											1.0	0.0	107	29.2	29.2	8.3	8.3	13.3	13.3	126.9	126.9	9.0	6.9	6	6	-	-	-	-	-	-	-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.6	0.1	110	29.1	8.3	8.3	14.0	14.0	125.1	125.0	8.9	7.6	6	6	-	-	-	-	-	-	-	-								
						2.6	0.1	111	29.1	8.3																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 May 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				
																																		Value	DA	Value	DA
C1	Misty	Calm	07:23	8.6	Surface	1.0	0.7	58	28.9	8.2	8.2	13.2	13.2	104.1	103.6	7.5	7.4	5.1	5.1	5	4	88	88	89	815624	804232	<0.2	<0.2	1.3	1.3							
						1.0	0.8	60	28.9	8.2	8.2	13.2	13.2	103.0	103.6	7.4	7.4	5.1	5.1	4	4	88	88	89	89	89	<0.2	<0.2	1.5	1.5							
						4.3	0.8	69	28.5	8.1	8.1	20.4	20.4	89.3	89.3	6.2	6.2	6.2	6.2	4	4	89	89	89	89	89	<0.2	<0.2	1.5	1.5							
					Middle	4.3	0.8	72	28.5	8.1	8.1	20.4	20.4	89.2	89.2	6.2	6.2	6.2	6.2	4	4	89	89	89	89	89	<0.2	<0.2	1.5	1.5							
						7.6	0.6	52	27.2	8.1	8.1	27.1	27.1	79.4	79.3	5.4	5.4	7.4	7.4	3	3	90	90	90	90	90	<0.2	<0.2	1.2	1.2							
						7.6	0.7	55	27.2	8.1	8.1	27.2	27.2	79.1	79.1	5.4	5.4	7.4	7.4	3	3	91	91	91	91	91	<0.2	<0.2	1.2	1.2							
					C2	Cloudy	Moderate	08:31	11.4	Surface	1.0	3.2	188	29.1	8.3	8.2	12.8	12.8	107.3	107.0	7.7	7.6	4.4	4.4	4	4	84	84	86	825696	806927	<0.2	<0.2	1.5	1.5		
											1.0	3.3	193	29.1	8.2	8.2	12.8	12.8	106.7	106.7	7.6	7.6	4.4	4.4	4	4	84	84	86	86	86	<0.2	<0.2	1.5	1.5		
											5.7	3.4	188	28.5	8.2	8.2	20.4	20.5	92.6	92.6	6.4	6.4	4.2	4.2	5	5	87	87	87	87	87	<0.2	<0.2	1.4	1.4		
Middle	5.7	3.4	202	28.5						8.2	8.2	20.5	20.5	92.5	92.5	6.4	6.4	4.1	4.1	5	5	87	87	87	87	87	<0.2	<0.2	1.4	1.4							
	10.4	3.3	188	27.3						8.1	8.1	26.4	26.4	74.8	74.9	5.1	5.1	6.3	6.3	5	5	88	88	88	88	88	<0.2	<0.2	1.3	1.3							
	10.4	3.5	199	27.3						8.1	8.1	26.4	26.4	74.9	74.9	5.1	5.1	6.4	6.4	5	5	88	88	88	88	88	<0.2	<0.2	1.4	1.4							
C3	Cloudy	Moderate	06:06	12.1						Surface	1.0	2.5	189	28.9	8.3	8.3	15.7	15.7	117.5	117.4	8.3	8.3	3.3	3.3	6	6	85	85	87	822124	817823	<0.2	<0.2	1.4	1.4		
											1.0	2.8	201	28.9	8.3	8.3	15.7	15.7	117.5	117.5	8.3	8.3	3.3	3.3	6	6	85	85	87	87	87	<0.2	<0.2	1.3	1.3		
											6.1	2.8	187	28.3	8.3	8.3	23.1	23.1	112.8	112.8	7.7	7.7	3.1	3.1	5	5	88	88	88	88	88	<0.2	<0.2	1.2	1.2		
					Middle	6.1	3.0	199	28.3	8.3	8.3	23.0	23.0	113.1	113.0	7.9	7.9	3.1	3.1	5	5	87	87	87	87	87	<0.2	<0.2	1.3	1.3							
						11.1	2.7	199	27.0	8.2	8.2	27.9	27.9	95.2	95.3	6.5	6.5	3.5	3.5	4	4	89	89	89	89	89	<0.2	<0.2	1.3	1.3							
						11.1	2.8	211	27.0	8.2	8.2	27.9	27.9	95.3	95.3	6.5	6.5	3.5	3.5	4	4	89	89	89	89	89	<0.2	<0.2	1.3	1.3							
					IM1	Misty	Calm	07:45	5.2	Surface	1.0	0.1	26	28.8	8.2	8.2	13.0	13.0	95.6	93.2	6.9	6.9	9.2	9.2	7	7	86	86	87	817967	807129	<0.2	<0.2	1.1	1.1		
											1.0	0.1	28	28.6	8.2	8.2	13.1	13.1	90.8	90.8	6.5	6.5	6.7	6.7	9.1	9.1	8	8	86	86	87	87	87	<0.2	<0.2	1.0	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.2	0.2	43	28.2						8.0	8.0	24.4	24.5	96.2	99.2	6.6	6.6	11.8	11.8	6	6	87	87	87	87	87	<0.2	<0.2	1.1	1.1							
	4.2	0.2	46	28.6						8.1	8.1	24.7	24.5	102.1	102.1	6.9	6.9	11.8	11.8	6	6	87	87	87	87	87	<0.2	<0.2	1.1	1.1							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IM2	Misty	Calm	07:52	7.2						Surface	1.0	0.3	29	28.9	8.2	8.2	13.4	13.5	94.4	92.5	6.8	6.8	7.2	7.2	6	6	87	87	89	818141	806151	<0.2	<0.2	1.0	1.0		
											1.0	0.3	30	28.7	8.2	8.2	13.5	13.5	90.5	90.5	6.5	6.5	7.2	7.2	7	7	87	87	87	87	87	<0.2	<0.2	1.0	1.0		
											3.6	0.6	44	27.8	8.0	8.0	21.1	21.4	78.7	78.5	5.5	5.5	9.5	9.5	8	8	89	89	89	89	89	<0.2	<0.2	1.1	1.1		
					Middle	3.6	0.6	47	27.4	8.0	8.0	21.1	21.4	78.3	78.5	5.5	5.5	9.5	9.5	8	8	89	89	89	89	89	<0.2	<0.2	1.1	1.1							
						6.2	0.2	13	26.9	8.0	8.0	28.8	28.8	84.2	87.2	5.7	5.7	10.9	10.9	9	9	91	91	91	91	91	<0.2	<0.2	1.1	1.1							
						6.2	0.2	13	26.9	8.0	8.0	28.8	28.8	84.2	87.2	5.7	5.7	10.8	10.8	8	8	91	91	91	91	91	<0.2	<0.2	1.0	1.0							
					IM3	Misty	Calm	08:00	7.4	Surface	1.0	0.3	2	29.0	8.2	8.2	12.6	12.6	100.9	99.6	7.2	7.1	8.8	8.9	5	5	85	85	88	818790	805614	<0.2	<0.2	1.0	1.0		
											1.0	0.3	2	29.0	8.2	8.2	12.6	12.6	98.3	98.3	7.1	7.1	8.9	8.9	5	5	86	86	88	88	88	<0.2	<0.2	1.1	1.1		
											3.7	0.3	16	28.6	8.0	8.0	18.7	18.5	72.8	71.4	5.1	5.1	9.8	9.8	6	6	87	87	87	87	87	<0.2	<0.2	1.0	1.0		
Middle	3.7	0.3	17	28.5						8.0	8.0	18.3	18.5	69.9	71.4	4.9	4.9	9.7	9.7	6	6	88	88	88	88	88	<0.2	<0.2	1.0	1.0							
	6.4	0.3	10	26.7						8.0	8.0	29.3	29.3	69.8	70.0	4.8	4.8	11.6	11.6	7	7	91	91	91	91	91	<0.2	<0.2	1.8	1.8							
	6.4	0.3	10	26.7						8.0	8.0	29.3	29.3	70.2	70.2	4.8	4.8	11.6	11.6	7	7	91	91	91	91	91	<0.2	<0.2	1.7	1.7							
IM4	Misty	Moderate	08:10	8.6						Surface	1.0	0.6	321	28.9	8.2	8.2	12.1	12.1	95.3	92.6	6.9	6.9	7.9	7.8	6	6	86	86	87	819710	804602	<0.2	<0.2	1.0	1.0		
											1.0	0.6	346	29.0	8.2	8.2	12.1	12.1	89.9	89.9	6.5	6.5	7.8	7.8	6	6	87	87	87	87	87	<0.2	<0.2	1.1	1.1		
											4.3	0.5	342	29.0	8.1	8.1	15.1	15.1	72.2	69.6	5.1	5.1	8.6	8.6	5	5	89	89	89	89	89	<0.2	<0.2	1.4	1.4		
					Middle	4.3	0.5	352	28.9	8.0	8.0	15.1	15.1	67.0	69.6	4.8	4.8	8.6	8.6	5	5	89	89	89	89	89	<0.2	<0.2	1.3	1.3							
						7.6	0.4	350	26.6	7.9	7.9	29.6	29.5	66.4	66.6	4.5	4.5	9.7	9.7	5	5	91	91	91	91	91	<0.2	<0.2	1.2	1.2							
						7.6	0.5	322	26.6	7.9	7.9	29.5	29.5	66.7	66.6	4.5	4.5	9.6	9.6	4	4	92	92	92	92	92	<0.2	<0.2	1.2	1.2							
					IM5	Misty	Moderate	08:20	8.0	Surface	1.0	0.8	325	29.0	8.2	8.1	12.0	12.0	94.5	93.8	6.8	6.7	6.4	6.3	5	5	87	87	89	820742	804882	<0.2	<0.2	1.1	1.1		
											1.0	0.8	336	29.0	8.1	8.1	12.0	12.0	93.1	93.1	6.7	6.7	6.3	6.3	5	5	87	87	89	89	89	<0.2	<0.2	1.1	1.1		
											4.0	0.7	346	29.0	8.1	8.1	17.3	17.3	89.7	89.7	6.3	6.3	8.2	8.1	5	5	88	88	89	89	89	<0.2	<0.2	1.5	1.5		
Middle	4.0	0.7	318	29.0						8.1	8.1	17.3	17.3	89.6	89.7	6.3	6.3	8.1	8.1	5	5	89	89	89	89	89	<0.2	<0.2	1.5	1.5							
	7.0	0.6	12	28.2						7.8	7.8	22.1	22.1	70.7	74.1	4.9	4.9	10.5	10.5	4	4	90	90	90	90	90	<0.2	<0.2	1.6	1.6							
	7.0	0.6	12	28.3						7.8	7.8	22.2																									

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

Water Quality Monitoring Results on 20 May 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	07:56	7.5	Surface	1.0	1.9	212	29.3	29.3	8.3	8.3	13.5	13.5	114.9	114.9	8.2	8.0	4.0	6	85	86	822114	808790	<0.2	1.6	1.4	1.5						
						2.1	231	29.3	8.3	8.3	13.5	13.5	114.8	114.8	8.2	4.0	6	84	84	<0.2	1.4	1.4	1.4											
						3.8	1.7	212	29.2	8.3	8.3	15.7	15.7	109.9	109.9	7.7	4.0	6	87	87	<0.2	1.4	1.4	1.4										
					Middle	3.8	1.8	230	29.2	8.3	8.3	15.7	15.7	109.8	109.8	7.7	3.9	6	86	86	<0.2	1.4	1.4	1.4										
						6.5	1.7	212	28.7	8.2	8.2	20.1	20.1	92.3	92.4	6.4	5.2	6	88	88	<0.2	1.4	1.4	1.4										
						6.5	1.8	224	28.7	8.2	8.2	20.0	20.0	92.5	92.5	6.4	5.3	6	88	88	<0.2	1.4	1.4	1.4										
					IM10	Cloudy	Moderate	07:47	7.8	Surface	1.0	2.0	139	29.2	29.2	8.3	8.3	13.8	13.8	113.9	113.9	8.1	4.2	6	84	84	822390	809795	<0.2	1.5	1.3	1.4		
											2.2	149	29.2	8.3	8.3	13.8	13.8	113.9	113.9	8.1	4.1	6	85	85	<0.2	1.3	1.4	1.4						
											3.9	2.0	141	29.2	8.3	8.3	15.3	15.3	109.6	109.6	7.7	3.8	6	87	87	<0.2	1.4	1.4	1.4					
Middle	3.9	2.1	148	29.2						8.3	8.3	15.3	15.3	109.5	109.5	7.7	4.0	7	86	86	<0.2	1.5	1.5	1.5										
	6.8	2.1	143	28.0						8.1	8.1	23.4	23.4	78.6	78.8	5.4	6.9	8	88	88	<0.2	1.3	1.3	1.3										
	6.8	2.2	148	28.1						8.1	8.1	23.3	23.4	78.9	78.9	5.4	7.1	7	89	89	<0.2	1.4	1.4	1.4										
IM11	Cloudy	Moderate	07:33	8.6						Surface	1.0	1.8	207	29.2	29.2	8.3	8.3	13.7	13.7	112.2	112.2	8.0	4.0	5	84	84	822079	811468	<0.2	1.4	1.4	1.4		
											1.9	219	29.2	8.3	8.3	13.7	13.7	112.1	112.1	8.0	4.0	5	85	85	<0.2	1.4	1.4	1.4						
											4.3	1.7	214	29.1	8.2	8.2	16.5	16.5	102.6	102.5	7.2	4.3	6	86	86	<0.2	1.3	1.3	1.3					
					Middle	4.3	1.7	224	29.1	8.2	8.2	16.6	16.5	102.3	102.3	7.2	4.3	6	87	87	<0.2	1.4	1.4	1.4										
						7.6	1.9	219	27.8	8.1	8.1	24.5	24.5	72.5	72.5	5.0	6.3	6	88	88	<0.2	1.4	1.4	1.4										
						7.6	1.9	234	27.8	8.1	8.1	24.4	24.5	72.5	72.5	5.0	6.5	7	88	88	<0.2	1.3	1.3	1.3										
					IM12	Cloudy	Moderate	07:25	9.7	Surface	1.0	2.3	174	29.3	29.3	8.3	8.3	12.6	12.6	118.8	118.8	8.5	4.4	7	84	84	821439	812046	<0.2	1.4	1.4	1.4		
											2.5	177	29.3	8.3	8.3	12.6	12.6	118.7	118.7	8.5	4.4	6	84	84	<0.2	1.4	1.4	1.4						
											4.9	2.5	175	29.0	8.3	8.3	18.0	18.0	112.9	112.9	7.9	4.2	6	87	87	<0.2	1.4	1.4	1.4					
Middle	4.9	2.6	176	29.0						8.3	8.3	18.0	18.0	112.8	112.8	7.9	4.2	6	86	86	<0.2	1.4	1.4	1.4										
	8.7	2.3	181	27.3						8.1	8.1	27.0	27.0	81.3	81.6	5.5	9.7	6	89	89	<0.2	1.4	1.4	1.4										
	8.7	2.4	184	27.3						8.1	8.1	26.9	27.3	81.9	81.9	5.6	9.5	6	88	88	<0.2	1.4	1.4	1.4										
SR1A	Cloudy	Calm	06:49	4.8						Surface	1.0	-	-	29.2	29.2	8.3	8.3	13.5	13.5	115.9	116.0	8.3	3.5	4	-	-	-	-	819979	812657	-	-	-	-
											1.0	0.2	84	29.1	29.1	8.4	8.4	13.4	13.4	116.0	116.0	8.3	3.4	5	-	-	-	-	-	-	-	-	-	-
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.8	-	-	29.1	29.1	8.4	8.4	15.7	15.7	117.2	117.4	8.3	5.4	5	-	-	-	-	-	-	-	-	-	-	-	-			
						3.8	-	-	29.1	29.1	8.4	8.4	15.7	15.7	117.5	117.5	8.3	5.4	5	-	-	-	-	-	-	-	-	-	-	-	-			
					SR2	Cloudy	Moderate	06:33	4.4	Surface	1.0	0.2	84	29.1	29.1	8.4	8.4	13.4	13.4	116.8	116.9	8.3	3.8	6	86	86	821462	814160	<0.2	1.4	1.4	1.4		
											1.0	0.2	86	29.1	29.1	8.4	8.4	13.5	13.4	116.9	116.9	8.3	3.7	6	86	86	<0.2	1.4	1.4	1.4				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3.4	0.1	60	29.1						29.1	8.4	8.4	16.3	16.3	118.3	118.4	8.3	5.5	7	88	88	<0.2	1.4	1.4	1.4									
	3.4	0.1	60	29.1						29.1	8.4	8.4	16.2	16.3	118.4	118.4	8.3	5.4	7	88	88	<0.2	1.3	1.3	1.3									
SR3	Cloudy	Moderate	08:10	9.3						Surface	1.0	1.1	35	29.1	29.1	8.3	8.3	14.3	14.3	110.4	110.4	7.8	4.2	6	-	-	-	-	822150	807588	-	-	-	-
											1.0	1.2	35	29.1	29.1	8.3	8.3	14.3	14.3	110.4	110.4	7.8	4.2	6	-	-	-	-	-	-	-	-	-	-
											4.7	0.9	31	29.1	29.1	8.3	8.3	16.6	16.6	107.9	107.9	7.6	4.0	6	-	-	-	-	-	-	-	-	-	
					Middle	4.7	1.0	34	29.1	29.1	8.3	8.3	16.6	16.6	107.8	107.9	7.5	4.0	6	-	-	-	-	-	-	-	-	-	-					
						8.3	1.5	30	28.1	28.1	8.1	8.1	22.5	22.5	78.8	78.9	5.4	5.7	6	-	-	-	-	-	-	-	-	-						
						8.3	1.6	31	28.1	28.1	8.1	8.1	22.5	22.5	78.9	78.9	5.4	5.5	6	-	-	-	-	-	-	-	-	-						
					SR4A	Misty	Calm	06:59	9.4	Surface	1.0	0.0	80	28.8	28.8	8.2	8.2	13.6	13.6	90.6	90.2	6.5	7.5	7	-	-	-	-	817169	807795	-	-	-	-
											1.0	0.0	83	28.8	28.8	8.2	8.2	13.6	13.6	89.7	89.7	6.4	7.5	7	-	-	-	-	-	-	-	-	-	
											4.7	0.1	92	27.5	27.5	8.0	8.0	24.5	24.6	72.0	71.7	5.0	8.3	7	-	-	-	-	-	-	-	-		
Middle	4.7	0.1	99	27.4						27.4	8.0	8.0	24.6	24.6	71.4	71.4	4.9	8.2	8	-	-	-	-	-	-	-	-	-						
	8.4	0.1	36	27.1						27.1	8.0	8.0	27.3	27.3	70.6	70.5	4.8	10.5	8	-	-	-	-	-	-	-	-							
	8.4	0.1	37	27.1						27.1	8.0	8.0	27.3	27.3	70.4	70.4	4.8	10.4	8	-	-	-	-	-	-	-	-							
SR5A	Misty	Calm	06:38	3.6						Surface	1.0	0.1	67	28.9	28.9	8.2	8.2	16.8	16.7	109.6	109.6	7.7	6.5	6	-	-	-	-	816615	810686	-	-	-	-
											1.0	0.1	68	28.9	28.9	8.2	8.2	16.7	16.7	109.5	109.5	7.7	6.7	6	-	-	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.6	0.1	33	28.9	28.9	8.2	8.2	18.0	18.0	108.2	107.6	7.5	8.6	6	-	-	-	-	-	-	-								
						2.6	0.1	35	28.9	28.9	8.2	8.2	18.0	18.0	107.0	107.6	7.5	8.9	7	-	-	-	-	-	-	-								
					SR6A	Misty	Calm	06:09	4.2	Surface	1.0	0.1	42	29.1	29.1	8.2	8.2	18.3	18.3	107.2	106.7	7.4	4.5	6	-	-	-	-	817957	814748	-	-	-	-
											1.0	0.1	45	29.1	29.1	8.2	8.2	18.3	18.3	106.1	106.7	7.4	4.0	7	-	-	-	-	-	-	-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.2	0.0	221	29.0						29.0	8.2	8.2	20.																					

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

Water Quality Monitoring Results on 22 May 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	Value	DA									
C1	Sunny	Moderate	10:05	8.9	Surface	1.0	0.2	225	29.5	29.5	8.2	8.2	11.1	11.1	113.7	113.6	8.2	6.7	4.0	7	87	89	815597	804245	89	815597	804245	<0.2	1.6	<0.2	1.6													
						1.0	0.3	240	29.5	8.2	8.2	11.1	11.1	113.5	8.1	4.0	7	87	<0.2	1.6	<0.2							1.6																
						4.5	0.3	217	27.8	8.0	8.0	21.2	21.2	74.2	5.2	4.7	6	88	<0.2	1.5	<0.2							1.5																
					Middle	4.5	0.3	228	27.8	8.0	8.0	21.3	21.2	72.8	5.1	4.6	6	89	<0.2	1.6	<0.2							1.6																
						7.9	0.2	195	25.6	7.8	7.8	31.5	31.5	56.0	3.8	5.7	5	90	<0.2	1.5	<0.2							1.5																
						7.9	0.2	196	25.6	7.8	7.8	31.5	31.5	56.3	3.9	5.7	4	91	<0.2	1.5	<0.2							1.5																
					C2	Sunny	Moderate	11:45	11.4	Surface	1.0	0.2	135	29.4	29.4	8.0	8.0	11.0	11.0	113.7	113.7							8.2	6.9	6.5	6	84	88	825689	806952	88	825689	806952	<0.2	1.4	<0.2	1.6		
											1.0	0.2	140	29.4	8.0	8.0	11.0	11.0	113.7	8.2	6.5							6	84	<0.2	1.6	<0.2							1.6					
											5.7	0.5	154	28.2	8.1	8.1	21.4	21.4	81.0	5.6	5.5							5	89	<0.2	1.6	<0.2							1.6					
Middle	5.7	0.5	166	28.2						8.1	8.1	21.4	21.4	80.9	5.6	5.6	5	88	<0.2	1.4	<0.2	1.4																						
	10.4	0.5	144	27.0						8.1	8.1	27.3	27.3	65.8	4.5	6.9	5	92	<0.2	1.4	<0.2	1.4																						
	10.4	0.5	150	27.0						8.1	8.1	27.3	27.3	65.9	4.5	6.9	5	92	<0.2	1.5	<0.2	1.5																						
C3	Sunny	Moderate	08:52	12.5						Surface	1.0	0.4	286	29.0	29.0	8.1	8.1	16.7	16.7	123.7	123.7	8.7	7.9	3.6	5	84	89	822125	817787	89	822125	817787							<0.2	1.2	<0.2	1.0		
											1.0	0.4	302	29.0	8.1	8.1	16.7	16.7	123.6	8.2	3.6	5	85	<0.2	1.0	<0.2													1.0					
											6.3	0.2	257	28.0	8.1	8.1	22.3	22.2	102.9	7.1	3.0	4	89	<0.2	1.1	<0.2													1.1					
					Middle	6.3	0.2	259	28.0	8.1	8.1	22.2	22.2	102.9	7.1	3.0	4	89	<0.2	1.1	<0.2	1.1																						
						11.5	0.1	120	26.1	8.2	8.2	29.9	29.9	78.1	5.3	4.2	3	93	<0.2	1.4	<0.2	1.4																						
						11.5	0.1	122	26.1	8.2	8.2	29.9	29.9	78.3	5.4	4.2	4	92	<0.2	1.3	<0.2	1.3																						
					IM1	Sunny	Moderate	10:26	4.8	Surface	1.0	0.1	182	27.7	27.7	7.9	7.9	21.7	21.8	75.7	75.6	5.3	5.3	5.9	5	86							87	817942	807114	87	817942	807114	<0.2	1.4	<0.2	1.5		
											1.0	0.1	191	27.7	7.9	7.9	21.8	21.8	75.5	5.3	5.9	4	86	<0.2	1.5	<0.2													1.5					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													-	-	<0.2	-	<0.2	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	<0.2	-	<0.2	-
	3.8	0.1	151	26.5						7.8	7.8	27.6	27.6	63.1	65.3	4.4	4.6	6.6	8	87	<0.2	1.6	<0.2	1.6																				
	3.8	0.1	159	26.5						7.8	7.8	27.7	27.6	67.5	65.3	4.4	4.6	6.4	8	87	<0.2	1.6	<0.2	1.6																				
IM2	Sunny	Moderate	10:37	6.8						Surface	1.0	0.1	217	29.3	29.3	8.1	8.1	14.6	14.7	104.1	104.0	7.3	5.5	4.6	4	87	89	818139	806149	89	818139	806149							<0.2	1.5	<0.2	1.5		
											1.0	0.1	219	29.3	8.1	8.1	14.7	14.7	103.8	7.3	4.7	4	88	<0.2	1.5	<0.2													1.5					
											3.4	0.1	142	26.2	7.8	7.8	29.1	29.1	54.0	54.1	3.7	5.5	6	89	<0.2	1.5													<0.2	1.5				
					Middle	3.4	0.1	148	26.2	7.8	7.8	29.1	29.1	54.1	54.1	3.7	5.4	6	89	<0.2	1.6	<0.2	1.6																					
						5.8	0.2	92	25.9	7.8	7.8	30.2	30.2	56.5	56.6	3.9	6.3	8	91	<0.2	1.4	<0.2	1.4																					
						5.8	0.2	94	25.9	7.8	7.8	30.2	30.2	56.6	56.6	3.9	6.4	8	91	<0.2	1.4	<0.2	1.4																					
					IM3	Sunny	Moderate	10:44	7.0	Surface	1.0	0.1	177	28.6	28.6	8.0	8.0	16.3	16.3	92.0	92.1	6.5	5.1	6.4	6	87							89	818796	805602	89	818796	805602	<0.2	1.5	<0.2	1.5		
											1.0	0.1	181	28.6	8.0	8.0	16.2	16.3	92.1	6.5	6.3	6	88	<0.2	1.5	<0.2													1.5					
											3.5	0.1	113	26.1	7.8	7.8	29.6	29.7	52.0	52.1	3.6	7.1	6	89	<0.2	1.5													<0.2	1.5				
Middle	3.5	0.1	124	26.1						7.8	7.8	29.7	29.7	52.1	52.1	3.6	7.1	6	89	<0.2	1.4	<0.2	1.4																					
	6.0	0.2	86	25.7						7.8	7.8	31.0	31.0	56.1	56.4	3.8	8.9	7	91	<0.2	1.9	<0.2	1.9																					
	6.0	0.2	93	25.7						7.8	7.8	31.0	31.0	56.6	56.4	3.9	9.0	7	91	<0.2	1.8	<0.2	1.8																					
IM4	Sunny	Moderate	10:55	8.2						Surface	1.0	0.1	221	29.6	29.6	8.1	8.1	10.7	10.7	107.5	107.4	7.7	5.6	5.1	5	87	89	819744	804585	89	819744	804585							<0.2	1.8	<0.2	1.8		
											1.0	0.1	222	29.6	8.1	8.1	10.7	10.7	107.3	7.7	5.1	5	88	<0.2	1.8	<0.2													1.8					
											4.1	0.0	109	26.2	7.8	7.8	27.7	28.9	50.4	51.3	3.5	5.9	5	89	<0.2	1.8													<0.2	1.8				
					Middle	4.1	0.0	111	26.5	7.8	7.8	30.0	28.9	52.2	51.3	3.6	5.9	5	89	<0.2	1.8	<0.2	1.8																					
						7.2	0.1	253	25.7	7.8	7.8	31.1	31.1	50.2	50.2	3.4	6.7	6	91	<0.2	1.8	<0.2	1.8																					
						7.2	0.1	267	25.8	7.8	7.8	31.1	31.1	50.2	50.2	3.4	6.7	6	91	<0.2	1.8	<0.2	1.8																					
					IM5	Sunny	Moderate	11:06	7.3	Surface	1.0	0.1	348	29.4	29.4	8.2	8.2	9.2	9.2	111.7	111.6	8.1	7.5	4.3	4	92							93	820736	804846	93	820736	804846	<0.2	2.0	<0.2	1.8		
											1.0	0.1	320	29.4	8.2	8.2	9.2	9.2	111.5	8.1	4.3	4	92	<0.2	1.8	<0.2													1.8					
											3.7	0.0	96	29.1	8.0	8.0	12.6	12.6	97.0	96.9	6.9	5.7	4	93	<0.2	1.7													<0.2	1.7				
Middle	3.7	0.0	102	29.1						8.0	8.0	12.7	12.6	96.7	96.9	6.9	5.7	4	93	<0.2	1.8	<0.2	1.8																					
	6.3	0.1	80	27.5						7.8	7.8	21.7	22.5	64.5	64.7	4.5	6.5	4	93	<0.2	1.7	<0.2	1.7																					
	6.3	0.1	86	27.5						7.8	7.8	23.3	22.5	64.8	64.7	4.5	6.6	4	93	<0.2	1.6	<0.2	1.6																					
IM6	Sunny	Moderate	11:15	7.0						Surface	1.0	0.0	233	29.9	29.9	8.1	8.1	12.0	12.0	108.3	108.3	7.7	6.7	5.2	3	88	89	821072	805831	89	821072	805831							<0.2	1.8	<0.2	1.9		
											1.0	0.0	245	29.9	8.1	8.1	12.0	12.0	108.2	7.7	5.2	3	88	<0.2	1.9	<0.2													1.9					
											3.5	0.0	79	28.7	7.9	7.9	17.2	17.2	81.5	81.6	5.7	8.8	4	89	<0.2	1.7													<0.2	1.7				
					Middle	3.5	0.0	79	28.7	7.9	7.9	17.2	17.2	81.6	81.6	5.7	8.7	4	89	<0.2	1.8	<0.2	1.8																					
						6.0	0.2	108	27.7	7.8	7.8	21.9	21.8	65.5	67.2	4.6	8.9	5	90	<0.2	1.6	<0.2	1.6																					
						6.0	0.2	117	27.7	7.8	7.8	21.7	21.8	68.9	67.2	4.8	9.0	5	90	<0.2	1.6	<0.2	1.6																					
					IM7	Sunny	Moderate	11:24	8.0	Surface	1.0	0.1	115	29.4	29.4	8.1	8.1	13.6	13.6	108.5	108.3	7.7	7.0	4.7	5	86							88	821349	806837	88	821349	806837	<0.2	1.8	<0.2	1.6		
											1.0	0.1	118	29.4	8.1	8.1	13.6	13.6	108.0	7.7	4.7	5	86	<0.2	1.6	<0.2													1.6					
											4.0	0.2	116	28.9	8.0	8.0	16.9	16.9	88.8	88.7	6.2	5.7																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 May 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	Sunny	Moderate	11:11	7.3	Surface	1.0	2.4	227	29.7	29.7	8.0	8.0	11.8	11.9	120.4	120.1	8.6	7.7	5.0	9.0	6	5	84	89	822082	808798	<0.2	1.8	1.7	1.7				
						1.0	2.6	238	29.7	29.7	8.0	8.0	11.9	11.9	118.3	118.3	8.5	7.7	5.0	9.0	6	5	85	89	822082	808798	<0.2	1.9	1.7	1.7				
						3.7	2.4	225	28.9	28.9	8.2	8.2	17.6	17.6	98.8	98.8	6.9	7.7	5.0	9.0	5	5	88	89	822082	808798	<0.2	1.8	1.7	1.7				
					Middle	3.7	2.6	238	28.9	28.9	8.2	8.2	17.7	17.6	98.7	98.7	6.9	7.7	5.0	9.0	5	5	89	89	822082	808798	<0.2	1.6	1.7	1.7				
						6.3	2.5	229	28.2	28.2	8.1	8.1	20.6	20.6	77.6	77.8	5.4	5.4	16.9	4	4	93	89	822082	808798	<0.2	1.6	1.7	1.7					
						6.3	2.7	247	28.2	28.2	8.1	8.1	20.6	20.6	77.9	77.9	5.4	5.4	16.9	4	4	92	89	822082	808798	<0.2	1.6	1.7	1.7					
					Bottom	1.0	3.0	101	29.7	29.7	8.1	8.1	11.4	11.4	119.3	119.1	8.5	7.8	4.9	7.5	7	6	84	89	822082	808798	<0.2	1.7	1.7	1.7				
						1.0	3.1	104	29.7	29.7	8.1	8.1	11.4	11.4	118.9	118.9	8.5	7.8	4.9	7.5	7	6	85	89	822082	808798	<0.2	1.6	1.7	1.7				
						3.7	3.0	100	29.0	29.0	8.1	8.1	17.3	17.3	99.9	99.9	7.0	7.5	4.7	7.5	5	6	89	89	822082	808798	<0.2	1.7	1.7	1.7				
Middle	3.7	3.2	107	29.0	29.0	8.1	8.1	17.2	17.3	99.8	99.8	7.0	7.5	4.7	7.5	5	6	89	89	822082	808798	<0.2	1.7	1.7	1.7									
	6.4	3.1	102	28.3	28.3	8.1	8.1	20.5	20.5	76.2	76.2	5.3	5.3	12.8	5	5	92	89	822082	808798	<0.2	1.7	1.7	1.7										
	6.4	3.1	109	28.3	28.3	8.1	8.1	20.6	20.5	76.1	76.1	5.3	5.3	12.9	5	5	93	89	822082	808798	<0.2	1.7	1.7	1.7										
IM10	Sunny	Moderate	11:02	7.4	Surface	1.0	2.6	98	29.6	29.6	8.0	8.0	10.7	10.7	118.6	118.5	8.5	7.6	4.6	6.9	5	5	84	89	822034	811465	<0.2	1.8	1.7	1.7				
						1.0	2.7	106	29.6	29.6	8.0	8.0	10.7	10.7	118.3	118.3	8.5	7.6	4.6	6.9	5	5	85	89	822034	811465	<0.2	1.8	1.7	1.7				
						4.2	2.6	97	28.8	28.8	8.2	8.2	18.3	18.3	94.0	94.0	6.6	7.6	6.5	6.9	5	5	89	89	822034	811465	<0.2	1.6	1.7	1.7				
					Middle	4.2	2.6	102	28.8	28.8	8.2	8.2	18.3	18.3	94.0	94.0	6.6	7.6	6.5	6.9	5	5	89	89	822034	811465	<0.2	1.6	1.7	1.7				
						7.4	2.6	94	27.4	27.4	8.1	8.1	25.0	25.1	69.9	69.8	4.8	4.8	9.5	4	4	93	89	822034	811465	<0.2	1.6	1.7	1.7					
						7.4	2.6	99	27.4	27.4	8.1	8.1	25.1	25.1	69.7	69.7	4.8	4.8	9.6	4	4	93	89	822034	811465	<0.2	1.6	1.7	1.7					
					Bottom	1.0	2.6	94	29.8	29.8	8.0	8.0	9.6	9.6	120.6	120.6	8.7	7.7	5.0	8.3	7	6	84	89	822034	811465	<0.2	1.6	1.7	1.7				
						1.0	2.8	102	29.8	29.8	8.0	8.0	9.6	9.6	120.5	120.5	8.7	7.7	5.0	8.3	6	6	89	89	822034	811465	<0.2	1.6	1.7	1.7				
						5.0	2.7	96	28.8	28.8	8.2	8.2	17.9	17.9	94.2	94.2	6.6	7.7	6.0	8.3	7	6	89	89	822034	811465	<0.2	1.7	1.7	1.7				
Middle	5.0	2.8	98	28.8	28.8	8.2	8.2	17.9	17.9	94.1	94.1	6.6	7.7	6.0	8.3	6	6	89	89	822034	811465	<0.2	1.7	1.7	1.7									
	9.0	2.6	94	27.3	27.3	8.1	8.1	26.0	26.0	66.4	66.5	4.6	4.6	13.8	5	5	93	89	822034	811465	<0.2	1.8	1.7	1.7										
	9.0	2.7	100	27.2	27.2	8.1	8.1	26.0	26.0	66.5	66.5	4.6	4.6	14.0	6	6	93	89	822034	811465	<0.2	1.6	1.7	1.7										
SR1A	Sunny	Calm	09:34	5.5	Surface	1.0	-	-	29.5	29.5	8.2	8.2	11.5	11.5	117.4	117.3	8.4	8.4	3.9	4.1	5	5	-	-	819972	812657	-	-	-	-				
						1.0	-	-	29.5	29.5	8.2	8.2	11.5	11.5	117.1	117.1	8.4	8.4	3.9	4.1	5	5	-	5	-	-	819972	812657	-	-	-	-		
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.5	-	-	29.4	29.4	8.1	8.1	13.5	13.5	114.3	114.3	8.1	8.1	4.4	4.1	4	4	-	-	-	-	-	-	-	-	-	-	-	-
						4.5	-	-	29.4	29.4	8.1	8.1	13.5	13.5	114.3	114.3	8.1	8.1	4.4	4.1	4	4	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	1.0	0.5	57	29.4	29.4	8.1	8.1	11.5	11.5	121.4	121.4	8.7	8.7	4.3	8.7	4.3	4.5	4	5	84	86	821472	814173	<0.2	1.7	1.7	1.7		
						1.0	0.5	60	29.4	29.4	8.1	8.1	11.5	11.5	121.4	121.4	8.7	8.7	4.3	8.7	4.3	4.5	4	5	84	86	821472	814173	<0.2	1.6	1.7	1.7		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.6	0.5	53	29.4	29.4	8.2	8.2	12.6	12.6	117.3	117.3	8.4	8.4	4.8	8.4	4.8	4.5	5	5	89	86	821472	814173	<0.2	1.8	1.7	1.7							
	3.6	0.5	55	29.4	29.4	8.2	8.2	12.6	12.6	117.3	117.3	8.4	8.4	4.8	8.4	4.8	4.5	5	5	88	86	821472	814173	<0.2	1.6	1.7	1.7							
SR2	Sunny	Moderate	09:17	4.6	Surface	1.0	2.1	225	29.7	29.7	8.1	8.1	12.2	12.2	113.2	112.9	8.0	6.9	5.5	7.6	7	6	-	-	822128	807582	-	-	-	-				
						1.0	2.2	240	29.7	29.7	8.1	8.1	12.2	12.2	112.6	112.9	8.0	6.9	5.5	7.6	7	6	-	7	-	-	822128	807582	-	-	-	-		
						4.5	2.3	225	28.6	28.6	8.1	8.1	18.7	18.7	82.8	82.8	5.8	7.6	8.0	6	6	-	6	-	-	822128	807582	-	-	-	-			
					Middle	4.5	2.4	225	28.6	28.6	8.1	8.1	18.7	18.7	82.7	82.8	5.8	7.6	8.0	6	6	-	6	-	-	822128	807582	-	-	-	-	-	-	
						8.0	2.2	229	27.6	27.6	8.1	8.1	24.5	24.5	74.6	74.7	5.1	5.1	9.2	5	5	-	5	-	-	822128	807582	-	-	-	-	-	-	
						8.0	2.2	230	27.6	27.6	8.1	8.1	24.6	24.5	74.7	74.7	5.1	5.1	9.3	5	5	-	5	-	-	822128	807582	-	-	-	-	-	-	
					Bottom	1.0	0.2	73	28.8	28.9	8.1	8.1	14.9	14.9	94.6	94.7	6.7	5.4	6.6	8.4	4	5	-	4	-	-	817182	807818	-	-	-	-	-	-
						1.0	0.2	75	28.9	28.9	8.1	8.1	14.8	14.9	94.7	94.7	6.7	5.4	6.6	8.4	4	5	-	4	-	-	817182	807818	-	-	-	-	-	-
						4.9	0.2	83	26.4	26.4	7.8	7.8	28.2	28.2	58.3	58.3	4.0	4.1	8.3	5	5	-	5	-	-	817182	807818	-	-	-	-	-	-	
Middle	4.9	0.2	84	26.4	26.4	7.8	7.8	28.2	28.2	58.3	58.3	4.0	4.1	8.3	5	5	-	5	-	-	817182	807818	-	-	-	-	-	-	-					
	8.7	0.2	60	26.4	26.4	7.9	7.9	28.3	28.3	59.2	59.4	4.1	4.1	10.4	5	5	-	5	-	-	817182	807818	-	-	-	-	-	-						
	8.7	0.2	65	26.4	26.4	7.9	7.9	28.3	28.3	59.5	59.4	4.1	4.1	10.3	6	6	-	6	-	-	817182	807818	-	-	-	-	-</							

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

Water Quality Monitoring Results on 22 May 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	Sunny	Moderate	15:11	8.2	Surface	1.0	0.4	43	29.6	29.6	8.1	8.1	8.9	9.0	109.1	109.0	7.9	7.9	4.8	4	95	91	815611	804238	<0.2	1.6	1.6	1.5				
						1.0	0.5	44	29.5	29.0	8.1	8.1	9.1	9.0	108.8	108.8	7.9	7.9	4.8	4	95	91	<0.2	1.6	1.6	1.5						
					Middle	4.1	0.5	43	28.9	29.0	8.0	8.0	17.1	17.1	90.3	90.4	6.3	6.3	5.0	4	87	87	<0.2	1.4	1.4	1.5						
						4.1	0.5	46	29.0	29.0	8.0	8.0	17.0	17.0	90.4	90.4	6.5	6.5	5.0	4	87	87	<0.2	1.4	1.4	1.5						
					Bottom	7.2	0.4	39	26.2	26.2	7.8	7.8	29.2	29.1	56.8	56.9	3.9	3.9	5.3	6	91	91	<0.2	1.5	1.5	1.6						
						7.2	0.4	39	26.2	26.2	7.8	7.8	29.1	29.1	57.0	57.0	3.9	3.9	5.3	6	91	91	<0.2	1.6	1.6	1.6						
C2	Sunny	Moderate	13:48	11.3	Surface	1.0	0.3	352	29.7	29.7	8.2	8.2	11.2	11.2	103.6	103.4	7.4	7.4	5.9	6	86	90	825665	806921	<0.2	1.6	1.6	1.6				
						1.0	0.3	324	29.7	28.4	8.2	8.1	11.2	11.2	103.2	103.2	7.4	7.4	5.8	6	87	90	<0.2	1.7	1.7	1.6						
					Middle	5.7	0.5	16	28.4	28.4	8.1	8.1	20.2	20.2	82.1	82.1	5.7	5.7	6.8	6	90	90	<0.2	1.4	1.4	1.6						
						5.7	0.5	16	28.3	27.1	8.1	8.1	20.2	20.2	82.0	82.0	5.7	5.7	6.7	5	90	94	<0.2	1.7	1.7	1.7						
					Bottom	10.3	0.3	9	27.1	27.1	8.1	8.1	26.9	26.9	67.5	67.6	4.6	4.6	5.5	5	94	94	<0.2	1.7	1.7	1.6						
						10.3	0.3	9	27.1	27.1	8.1	8.1	26.9	26.9	67.6	67.6	4.6	4.6	5.5	5	94	94	<0.2	1.6	1.6	1.6						
C3	Sunny	Moderate	15:55	11.5	Surface	1.0	0.3	241	29.4	29.5	8.0	8.0	15.5	15.5	136.8	137.1	9.6	9.6	4.3	6	86	90	822121	817794	<0.2	1.5	1.5	1.5				
						1.0	0.3	254	29.5	27.5	8.0	8.2	15.5	15.5	137.3	137.3	9.6	9.6	4.4	6	86	90	<0.2	1.4	1.4	1.5						
					Middle	5.8	0.4	252	27.5	27.5	8.2	8.2	24.5	24.5	87.8	87.7	6.1	6.1	3.3	7	89	89	<0.2	1.5	1.5	1.4						
						5.8	0.4	275	27.5	25.6	8.2	8.1	24.5	24.5	87.6	87.6	6.0	6.0	3.3	9	89	89	<0.2	1.6	1.6	1.6						
					Bottom	10.5	0.4	266	25.6	25.6	8.1	8.1	31.5	31.5	68.4	68.4	4.7	4.7	7.9	9	93	93	<0.2	1.5	1.5	1.5						
						10.5	0.4	289	25.6	25.6	8.1	8.1	31.5	31.5	68.4	68.4	4.7	4.7	7.9	9	93	93	<0.2	1.5	1.5	1.5						
IM1	Sunny	Moderate	14:46	4.6	Surface	1.0	0.1	5	30.0	30.0	8.1	8.1	9.4	9.4	123.2	123.2	8.8	8.8	5.1	6	89	90	817964	807133	<0.2	1.8	1.8	1.8				
						1.0	0.1	5	30.0	30.0	8.1	8.1	9.4	9.4	123.2	123.2	8.8	8.8	5.2	6	89	90	<0.2	1.8	1.8	1.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.1	356	30.2	30.2	8.1	8.1	10.7	10.8	122.5	122.4	8.7	8.7	6.8	8	91	91	<0.2	1.8	1.8	1.8						
						3.6	0.1	328	30.2	30.2	8.1	8.1	10.8	10.8	122.2	122.2	8.7	8.7	6.8	8	91	91	<0.2	1.8	1.8	1.8						
IM2	Sunny	Moderate	14:38	6.9	Surface	1.0	0.3	12	30.1	30.1	8.2	8.2	9.1	9.1	119.9	119.8	8.6	8.6	4.5	5	91	92	818141	806171	<0.2	1.9	1.9	1.9				
						1.0	0.3	12	30.1	29.7	8.2	8.1	9.1	9.1	119.7	119.7	8.6	8.6	4.5	5	91	91	<0.2	1.9	1.9	1.9						
					Middle	3.5	0.3	359	29.7	29.7	8.1	8.1	12.2	12.1	111.4	111.1	7.9	7.9	6.4	5	93	92	<0.2	1.8	1.8	1.8						
						3.5	0.3	330	29.7	29.7	8.1	8.1	12.1	12.1	110.8	110.8	7.9	7.9	6.3	5	93	92	<0.2	1.8	1.8	1.8						
					Bottom	5.9	0.2	327	26.3	26.3	7.8	7.8	28.8	28.7	58.6	58.7	4.0	4.0	7.3	6	92	92	<0.2	1.9	1.9	1.9						
						5.9	0.2	355	26.3	26.3	7.8	7.8	28.7	28.7	58.7	58.7	4.0	4.0	7.3	6	92	92	<0.2	1.9	1.9	1.9						
IM3	Sunny	Moderate	14:28	7.0	Surface	1.0	0.3	358	30.3	30.3	8.2	8.2	9.8	9.8	122.6	122.6	8.7	8.7	4.5	7	87	88	818797	805609	<0.2	1.9	1.9	1.9				
						1.0	0.4	329	30.3	28.6	8.2	8.0	9.8	9.8	122.5	122.5	8.7	8.7	4.5	7	87	87	<0.2	1.9	1.9	1.9						
					Middle	3.5	0.3	337	28.6	28.6	8.0	8.0	17.5	17.6	95.2	94.7	6.7	6.7	5.1	7	87	87	<0.2	1.9	1.9	1.9						
						3.5	0.3	348	28.6	26.6	8.0	7.7	17.7	17.7	94.2	94.2	6.6	6.6	5.0	7	87	87	<0.2	1.9	1.9	1.9						
					Bottom	6.0	0.3	317	26.6	26.6	7.8	7.7	27.4	27.5	66.2	66.5	4.6	4.6	5.9	7	87	87	<0.2	1.9	1.9	1.9						
						6.0	0.3	344	26.6	26.6	7.7	7.7	27.5	27.5	66.7	66.5	4.6	4.6	6.0	6	93	93	<0.2	1.8	1.8	1.8						
IM4	Sunny	Moderate	14:16	8.2	Surface	1.0	0.5	356	29.8	29.8	8.1	8.1	15.0	15.0	121.6	121.4	8.5	8.5	5.4	6	89	90	819710	804584	<0.2	2.0	2.0	2.0				
						1.0	0.5	328	29.8	28.5	8.1	8.0	15.0	15.0	121.1	121.1	8.5	8.5	5.5	6	89	89	<0.2	2.0	2.0	2.0						
					Middle	4.1	0.4	0	28.5	28.5	8.0	8.0	19.4	19.5	89.4	89.0	6.2	6.2	5.9	7	90	90	<0.2	2.0	2.0	2.0						
						4.1	0.5	0	28.5	25.9	8.0	7.7	19.5	19.5	88.5	86.4	6.2	6.0	6.0	7	90	91	<0.2	1.8	1.8	2.1						
					Bottom	7.2	0.4	3	25.9	25.9	7.7	7.7	30.4	30.4	56.0	56.2	3.8	3.9	6.4	8	91	91	<0.2	2.1	2.1	2.1						
						7.2	0.5	3	25.9	25.9	7.7	7.7	30.4	30.4	56.4	56.2	3.8	3.9	6.4	8	92	92	<0.2	2.1	2.1	2.1						
IM5	Sunny	Moderate	14:06	6.6	Surface	1.0	0.7	9	30.3	30.3	8.2	8.2	10.3	10.6	127.0	126.9	9.0	9.0	4.7	6	89	90	820747	804875	<0.2	2.0	2.0	2.0				
						1.0	0.8	9	30.3	28.8	8.2	7.9	11.0	11.0	126.8	126.8	9.0	8.9	4.8	6	89	90	<0.2	1.9	1.9	1.9						
					Middle	3.3	0.7	12	28.8	28.8	7.9	7.9	16.2	16.2	89.9	89.7	6.3	6.3	6.1	7	90	90	<0.2	2.0	2.0	2.0						
						3.3	0.7	12	28.7	26.9	7.9	7.7	16.2	16.3	89.4	89.4	6.3	6.1	6.1	7	90	90	<0.2	1.9	1.9	1.9						
					Bottom	5.6	0.5	17	26.9	26.9	7.7	7.7	26.6	26.3	61.7	62.6	4.3	4.4	6.6	9	91	91	<0.2	1.9	1.9	1.9						
						5.6	0.5	17	26.9	26.9	7.7	7.7	26.1	26.3	63.5	62.6	4.4	4.4	6.6	9	92	92	<0.2	1.9	1.9	1.9						
IM6	Sunny	Moderate	13:57	7.2	Surface	1.0	0.1	23	29.3	29.3	8.0	8.0	14.3	14.2	104.0	103.8	7.4	7.4	4.9	9	85	88	821064	805837	<0.2	1.9	1.9	2.0				
						1.0	0.1	24	29.3	27.4	8.0	7.7	14.2	14.2	103.6	103.6	7.3	7.3	5.0	9	85	88	<0.2	1.9	1.9	2.0						
					Middle	3.6	0.1	43	27.4	27.4	7.7	7.7	22.8	22.8	60.3	60.3	4.2	4.2	5.1	7	87	88	<0.2	1.9	1.9	2.0						
						3.6	0.1	46	27.4	27.3	7.7	7.7	22.8	22.8	60.2	60.2	4.2	4.2	5.1	7	88	88	<0.2	1.9	1.9	2.0						
					Bottom	6.2	0.1	50	27.2	27.3	7.7	7.7	26.6	26.5	55.3	55.9	3.8	3.9	5.3	6	92	91	<0.2	2.0	2.0	2.0						
						6.2	0.1	50	27.3	27.3	7.7	7.7	26.5	26.5	56.5	55.																





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

Water Quality Monitoring Results on 25 May 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	12:14	8.0	Surface	1.0	0.6	203	27.4	7.9	7.9	21.7	21.8	70.8	70.5			5.0	6.4	10	85	87	87
					Middle	4.0	0.8	191	26.3	7.8	7.8	26.5	26.6	56.5	56.4	3.9	8.8	10	88	87	87	815618	804257	<0.2	1.2	<0.2	1.3				
					Bottom	7.0	0.6	214	25.8	7.8	7.8	30.5	30.5	50.8	52.9	3.5	9.1	6	89	87	87	815618	804257	<0.2	1.2	<0.2	1.2				
						7.0	0.6	233	25.8	7.8	7.8	30.5	30.5	54.9	54.9	3.8	9.1	6	89	87	87	815618	804257	<0.2	1.2	<0.2	1.2				
C2	Cloudy	Moderate	13:39	11.1	Surface	1.0	4.2	192	28.9	8.2	8.2	14.9	14.9	93.1	93.0	6.6	6.4	6	83	86	86	825671	806933	<0.2	1.4	<0.2	1.4				
					Middle	5.6	4.3	196	27.8	8.1	8.1	21.5	21.5	74.1	74.2	5.2	9.7	6	86	86	86	825671	806933	<0.2	1.1	<0.2	1.2				
					Bottom	10.1	4.1	193	27.1	8.1	8.1	25.6	25.6	71.0	71.0	4.9	13.6	6	88	86	86	825671	806933	<0.2	1.3	<0.2	1.3				
						10.1	4.4	202	27.1	8.1	8.1	25.6	25.6	71.0	71.0	4.9	13.4	7	89	86	86	825671	806933	<0.2	1.3	<0.2	1.3				
C3	Rainy	Moderate	11:08	12.4	Surface	1.0	3.7	75	27.6	8.2	8.2	23.1	23.1	88.8	88.8	6.2	6.9	10	85	88	88	822088	817811	<0.2	0.9	<0.2	0.8				
					Middle	6.2	3.3	73	27.2	8.2	8.2	25.3	25.3	84.9	84.9	5.9	5.2	10	88	88	88	822088	817811	<0.2	0.8	<0.2	0.9				
					Bottom	11.4	3.6	72	26.9	8.2	8.2	26.3	26.3	79.7	79.8	5.5	5.9	8	90	88	88	822088	817811	<0.2	0.8	<0.2	0.8				
						11.4	3.8	73	26.9	8.2	8.2	26.2	26.3	79.8	79.8	5.5	5.8	8	91	88	88	822088	817811	<0.2	0.8	<0.2	0.8				
IM1	Fine	Calm	12:38	4.4	Surface	1.0	0.1	300	26.3	7.8	7.8	28.0	28.1	56.4	56.3	5.9	9.5	11	84	85	85	817961	807137	<0.2	1.0	<0.2	1.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	817961	807137	<0.2	-	<0.2	-		
					Bottom	3.4	0.1	91	26.6	7.8	7.8	28.3	28.3	56.3	56.9	3.9	10.1	11	85	85	85	817961	807137	<0.2	1.1	<0.2	1.1				
						3.4	0.1	99	26.7	7.8	7.8	28.2	28.3	57.5	57.5	3.9	10.0	11	85	85	85	817961	807137	<0.2	1.1	<0.2	1.1				
IM2	Fine	Calm	12:45	6.2	Surface	1.0	0.3	145	26.9	7.9	7.9	22.8	22.8	65.6	64.9	5.6	7.3	10	85	88	88	818184	806167	<0.2	1.1	<0.2	1.0				
					Middle	3.1	0.3	133	26.2	7.8	7.8	27.6	27.6	50.3	50.4	3.5	9.0	10	89	88	88	818184	806167	<0.2	1.2	<0.2	1.2				
					Bottom	5.2	0.1	41	26.0	7.8	7.8	29.7	29.6	51.0	51.5	3.5	9.1	10	90	88	88	818184	806167	<0.2	1.3	<0.2	1.3				
						5.2	0.1	44	26.0	7.8	7.8	29.6	29.6	51.9	51.9	3.6	9.0	10	90	88	88	818184	806167	<0.2	1.2	<0.2	1.3				
IM3	Fine	Calm	12:52	6.4	Surface	1.0	0.1	142	27.3	7.9	7.9	21.2	21.2	70.6	70.2	5.0	6.4	13	86	89	89	818780	805593	<0.2	1.1	<0.2	1.0				
					Middle	3.2	0.1	143	26.7	7.8	7.8	26.1	26.1	55.3	55.4	5.8	7.1	14	89	89	89	818780	805593	<0.2	1.2	<0.2	1.2				
					Bottom	5.4	0.1	102	26.8	7.8	7.8	26.3	26.3	55.6	56.0	3.8	9.4	13	90	89	89	818780	805593	<0.2	1.1	<0.2	1.1				
						5.4	0.1	103	26.9	7.8	7.8	26.2	26.3	56.4	56.4	3.9	9.3	13	91	89	89	818780	805593	<0.2	1.1	<0.2	1.1				
IM4	Fine	Calm	13:13	8.4	Surface	1.0	0.2	209	28.1	7.9	7.9	16.7	16.7	80.1	80.1	5.7	6.3	11	86	89	89	819739	804618	<0.2	1.1	<0.2	1.1				
					Middle	4.2	0.1	160	27.8	7.9	7.9	20.4	20.5	73.1	73.0	5.1	9.4	13	89	89	89	819739	804618	<0.2	1.1	<0.2	1.1				
					Bottom	7.4	0.1	122	27.8	7.9	7.9	21.1	21.1	72.0	72.2	5.0	10.0	15	90	89	89	819739	804618	<0.2	1.0	<0.2	1.0				
						7.4	0.1	125	27.8	7.9	7.9	21.1	21.1	72.4	72.2	5.1	10.0	15	90	89	89	819739	804618	<0.2	1.0	<0.2	1.0				
IM5	Fine	Calm	13:14	7.0	Surface	1.0	1.4	217	28.0	7.9	7.9	17.0	17.0	78.7	78.4	5.6	8.2	8	85	88	88	820720	804875	<0.2	0.9	<0.2	0.9				
					Middle	3.5	1.1	221	27.8	7.9	7.9	20.6	20.7	71.3	71.1	5.0	9.4	7	89	88	88	820720	804875	<0.2	0.9	<0.2	0.9				
					Bottom	6.0	0.8	215	27.7	7.9	7.9	21.2	21.2	70.2	70.3	4.9	10.2	5	90	88	88	820720	804875	<0.2	1.0	<0.2	1.0				
						6.0	0.8	227	27.7	7.9	7.9	21.2	21.2	70.3	70.3	4.9	10.2	5	90	88	88	820720	804875	<0.2	1.0	<0.2	1.0				
IM6	Fine	Calm	13:26	6.6	Surface	1.0	1.2	246	28.2	7.9	7.9	18.2	18.3	79.3	79.0	5.6	5.1	5	85	88	88	821042	805824	<0.2	0.8	<0.2	0.8				
					Middle	3.3	1.0	246	27.7	7.8	7.8	19.3	19.3	74.9	74.8	5.3	7.6	5	88	88	88	821042	805824	<0.2	1.1	<0.2	1.1				
					Bottom	5.6	0.8	241	27.6	7.8	7.8	22.3	22.3	68.3	68.6	4.8	9.2	5	89	88	88	821042	805824	<0.2	1.0	<0.2	1.0				
						5.6	0.9	252	27.7	7.8	7.8	22.3	22.3	68.9	68.6	4.8	9.3	5	89	88	88	821042	805824	<0.2	1.1	<0.2	1.1				
IM7	Fine	Calm	13:39	7.4	Surface	1.0	1.0	241	28.4	7.9	7.9	17.6	17.6	83.2	83.2	5.9	6.6	6	86	88	88	821370	806830	<0.2	0.9	<0.2	0.8				
					Middle	3.7	1.0	246	28.4	7.9	7.9	17.6	17.6	82.8	82.8	5.8	7.9	5	88	88	88	821370	806830	<0.2	1.0	<0.2	1.0				
					Bottom	6.4	0.9	250	28.4	7.9	7.9	17.6	17.6	83.8	84.1	5.9	9.0	5	90	88	88	821370	806830	<0.2	0.9	<0.2	0.9				
						6.4	0.9	252	28.3	7.9	7.9	17.6	17.6	84.3	84.1	6.0	9.1	5	90	88	88	821370	806830	<0.2	0.9	<0.2	0.9				
IM8	Cloudy	Moderate	13:02	7.5	Surface	1.0	0.9	25	28.6	8.2	8.2	16.5	16.5	90.1	90.1	6.4	7.2	7	85	86	86	821822	808151	<0.2	1.3	<0.2	1.3				
					Middle	3.8	1.1	19	28.2	8.1	8.1	18.3	18.3	82.2	82.2	5.8	9.1	10	86	86	86	821822	808151	<0.2	1.2	<0.2	1.2				
					Bottom	6.5	0.9	11	28.2	8.1	8.1	18.6	18.6	81.9	81.9	5.8	10.6	11	90	86	86	821822	808151	<0.2	1.1	<0.2	1.1				
						6.5	1.0	11	28.2	8.1	8.1	18.6	18.6	81.9	81.9	5.8	10.5	11	90	86	86	821822	808151	<0.2	1.2	<0.2	1.2				

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 25 May 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	Value	DA
IM9	Cloudy	Moderate	12:56	7.0	Surface	1.0	2.2	67	28.4	28.4	8.1	8.1	17.5	17.5	85.8	85.8	6.1	7.8	9	84	87	822104	808820	<0.2	1.1	<0.2	1.1						
						1.0	2.4	69	28.4	8.1	8.1	17.5	17.5	85.7	85.7	6.0	7.8	9	84	87	822104	808820	<0.2	1.1									
						3.5	2.3	60	28.3	8.1	8.1	18.1	18.1	83.4	83.4	5.9	8.6	9	86	87	822104	808820	<0.2	1.1									
					Middle	3.5	2.5	62	28.3	8.1	8.1	18.1	18.1	83.3	83.3	5.9	8.7	9	86	9	86	87	822104	808820	<0.2			1.1					
						6.0	2.6	55	28.2	8.1	8.1	18.5	18.5	81.8	81.8	5.8	9.4	9	90	9	90	87	822104	808820	<0.2			1.1					
						6.0	2.7	55	28.2	8.1	8.1	18.6	18.6	81.7	81.7	5.8	9.6	8	90	9	90	87	822104	808820	<0.2			1.1					
					Bottom	1.0	2.0	61	28.8	8.2	8.2	16.5	16.5	91.4	91.4	6.4	6.9	7	85	7	85	87	822388	809772	<0.2			1.2					
						1.0	2.2	67	28.8	8.2	8.2	16.5	16.5	91.3	91.3	6.4	6.9	7	89	7	89	87	822388	809772	<0.2			1.3					
						3.6	2.0	53	28.2	8.1	8.1	18.5	18.5	81.5	81.5	5.7	8.8	7	87	7	87	87	822388	809772	<0.2			1.2					
Middle	3.6	2.2	56	28.2	8.1	8.1	18.5	18.5	81.6	81.6	5.7	8.8	7	87	7	87	87	822388	809772	<0.2	1.2												
	6.1	2.1	38	27.9	8.1	8.1	19.9	19.9	77.2	77.2	5.4	11.3	9	90	9	90	87	822388	809772	<0.2	1.2												
	6.1	2.3	38	27.9	8.1	8.1	19.9	19.9	77.3	77.3	5.4	11.3	9	90	9	90	87	822388	809772	<0.2	1.2												
IM11	Cloudy	Moderate	12:30	7.3	Surface	1.0	2.5	56	28.9	28.9	8.2	8.2	16.3	16.3	96.9	96.9	6.8	6.5	7	84	87	822037	811441	<0.2	1.2								
						1.0	2.5	56	28.9	8.2	8.2	16.3	16.3	96.8	96.8	6.8	6.5	8	84	7	84	87	822037	811441	<0.2	1.2							
						3.7	2.6	49	28.2	8.1	8.1	18.6	18.6	82.3	82.3	5.8	9.5	9	87	9	87	87	822037	811441	<0.2	1.2							
					Middle	3.7	2.7	50	28.2	8.1	8.1	18.6	18.6	82.3	82.3	5.8	9.6	9	87	9	87	87	822037	811441	<0.2	1.2							
						6.3	2.4	35	27.9	8.1	8.1	20.2	20.2	77.3	77.3	5.4	14.8	10	89	10	89	87	822037	811441	<0.2	1.1							
						6.3	2.5	38	27.9	8.1	8.1	20.2	20.2	77.3	77.3	5.4	14.7	10	90	10	90	87	822037	811441	<0.2	1.2							
					Bottom	1.0	2.7	53	28.2	8.1	8.1	18.7	18.7	83.0	83.0	5.8	10.6	7	85	7	85	87	821437	812029	<0.2	1.0							
						1.0	2.8	55	28.2	8.1	8.1	18.7	18.7	82.9	82.9	5.8	10.7	6	84	6	84	87	821437	812029	<0.2	1.1							
						4.6	2.7	47	27.9	8.1	8.1	20.8	20.8	75.3	75.4	5.3	11.2	14	87	14	87	87	821437	812029	<0.2	1.1							
Middle	4.6	2.7	49	27.9	8.1	8.1	20.8	20.8	75.4	75.4	5.3	11.0	14	87	14	87	87	821437	812029	<0.2	1.1												
	8.2	2.7	33	27.6	8.1	8.1	22.7	22.7	70.8	70.9	4.9	12.5	15	90	15	90	87	821437	812029	<0.2	1.2												
	8.2	2.8	36	27.6	8.1	8.1	22.7	22.7	70.9	70.9	4.9	12.6	16	90	16	90	87	821437	812029	<0.2	1.2												
SR1A	Cloudy	Moderate	11:57	5.4	Surface	1.0	-	-	28.4	28.4	8.2	8.2	18.6	18.6	87.7	87.6	6.2	7.6	8	-	8	819971	812660	-	-	-	-						
						1.0	-	-	28.3	28.3	8.2	8.2	18.6	18.6	87.4	87.6	6.1	7.6	8	-	8	819971	812660	-	-	-	-						
						2.7	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-	8	819971	812660	-	-	-	-				
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	819971	812660	-	-	-	-			
						4.4	-	-	28.1	28.1	8.2	8.2	20.6	20.6	84.1	84.2	5.9	10.1	11	-	11	-	11	819971	812660	-	-	-	-				
						4.4	-	-	28.1	28.1	8.2	8.2	20.6	20.6	84.2	84.2	5.9	10.0	11	-	11	-	11	819971	812660	-	-	-	-				
					Bottom	1.0	0.5	83	28.1	28.1	8.2	8.2	20.3	20.3	85.4	85.5	6.0	8.7	10	85	10	85	86	821475	814154	<0.2	1.1						
						1.0	0.5	89	28.1	28.1	8.2	8.2	20.4	20.4	85.5	85.5	6.0	8.7	10	85	10	85	86	821475	814154	<0.2	1.1						
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	-	-	-	-	13	821475	814154	<0.2	1.1					
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	821475	814154	<0.2	1.1										
	2.7	0.2	76	27.8	27.8	8.2	8.2	22.0	22.0	80.9	81.0	5.6	10.7	16	87	16	87	86	821475	814154	<0.2	1.1											
	2.7	0.2	76	27.8	27.8	8.2	8.2	22.0	22.0	81.0	81.0	5.6	10.8	16	87	16	87	86	821475	814154	<0.2	1.1											
SR3	Cloudy	Moderate	13:09	8.4	Surface	1.0	0.6	26	28.5	28.5	8.1	8.1	17.0	17.1	87.7	87.7	6.2	7.7	11	-	9	822135	807566	-	-	-	-						
						1.0	0.7	27	28.4	28.4	8.1	8.1	17.1	17.1	87.7	87.7	6.2	7.8	11	-	11	-	9	822135	807566	-	-	-	-				
						4.2	1.0	18	28.2	28.2	8.1	8.1	18.5	18.5	81.6	81.7	5.8	8.6	10	-	10	-	9	822135	807566	-	-	-	-				
					Middle	4.2	1.1	18	28.2	28.2	8.1	8.1	18.5	18.5	81.7	81.7	5.8	8.6	10	-	10	-	9	822135	807566	-	-	-	-				
						7.4	0.7	12	28.1	28.1	8.1	8.1	19.0	19.0	79.6	79.6	5.6	10.0	6	-	6	-	6	822135	807566	-	-	-	-				
						7.4	0.8	13	28.1	28.1	8.1	8.1	19.0	19.0	79.6	79.6	5.6	10.1	7	-	7	-	7	822135	807566	-	-	-	-				
					Bottom	1.0	0.1	250	28.0	28.0	7.9	7.9	19.8	19.8	73.2	73.0	5.1	7.3	8	-	8	-	8	817173	807827	-	-	-	-				
						1.0	0.1	254	28.0	28.0	7.9	7.9	19.7	19.7	72.8	73.0	5.1	7.2	8	-	8	-	8	817173	807827	-	-	-	-				
						4.5	0.1	61	26.3	26.3	7.8	7.8	28.0	28.0	54.2	54.3	5.7	10.0	10	-	10	-	10	817173	807827	-	-	-	-				
Middle	4.5	0.1	62	26.3	26.3	7.8	7.8	28.1	28.0	54.4	54.3	5.8	10.0	10	-	10	-	10	817173	807827	-	-	-	-									
	8.0	0.2	70	26.6	26.7	7.8	7.8	28.2	28.1	57.1	57.5	3.9	10.8	11	-	11	-	11	817173	807827	-	-	-	-									
	8.0	0.2	76	26.8	26.7	7.8	7.8	28.1	28.1	57.9	57.5	4.0	10.8	11	-	11	-	11	817173	807827	-	-	-	-									
Bottom	1.0	0.1	15	28.7	28.7	8.0	8.0	17.4	17.4	88.9	88.8	6.2	10.0	9	-	9	-	9	816607	810697	-	-	-	-									
	1.0	0.1	15	28.7	28.7	8.0	8.0	17.4	17.4	88.6	88.6	6.2	10.0	8	-	8	-	8	816607	810697	-	-	-	-									
	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-	10	816607	810697	-	-	-	-								
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	816607	810697	-	-	-	-								
	2.6	0.0	95	28.7	28.7	8.0	8.0	17.5	17.5	88.4	88.7	6.2	10.0	11	-	11	-	11	816607	810697	-	-	-	-									
	2.6	0.0	97	28.7	28.7	8.0	8.0	17.5	17.5	88.9	88.7	6.2	10.0	11	-	11	-	11	816607	810697	-	-	-	-									
SR6A	Misty	Calm	11:07	4.4	Surface	1.0	0.1	100	28.1	28.0	8.0	8.0	19.2	19.2	85.1	85.0	6.0	9.1	5	-	5	817966	814750	-	-	-	-						

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 May 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	18:02	8.0	Surface	1.0	0.3	46	28.0	7.9	7.9	19.1	19.1	78.1	77.9	5.5	7.7	4	89	91	815601	804231	<0.2	1.1	<0.2	1.1					
						1.0	0.3	46	27.9	7.9	7.9	19.1	19.1	77.7	5.5	7.7	4	89	91	815601	804231	<0.2	1.0								
						4.0	0.2	34	27.0	7.8	7.8	24.4	24.4	61.7	4.3	8.5	5	92	91	815601	804231	<0.2	1.0								
					Middle	4.0	0.2	36	26.9	7.8	7.8	24.5	24.4	61.6	4.3	8.4	5	92	91	815601	804231	<0.2	1.0								
						7.0	0.2	45	26.6	7.8	7.8	26.3	26.5	55.0	3.8	10.4	9	93	91	815601	804231	<0.2	1.1								
						7.0	0.2	45	26.5	7.8	7.8	26.6	26.5	54.5	3.8	10.4	8	93	91	815601	804231	<0.2	1.3								
					C2	Cloudy	Moderate	17:10	11.6	Surface	1.0	3.3	34	28.8	8.1	8.1	12.9	12.9	84.4	84.4	6.1	6.2	5	84			86	825676	806941	<0.2	1.5
											1.0	3.6	34	28.8	8.1	8.1	12.9	12.9	84.4	6.1	6.1	5	83	86			825676	806941	<0.2	1.4	
											5.8	3.6	28	27.8	8.1	8.1	20.5	20.4	70.7	5.0	8.2	5	86	86			825676	806941	<0.2	1.7	
Middle	5.8	3.8	30	27.8						8.1	8.1	20.4	20.4	70.7	5.0	8.5	4	86	86	825676	806941	<0.2	1.7								
	10.6	3.8	33	27.3						8.1	8.1	23.5	23.5	67.0	4.7	10.6	4	88	88	825676	806941	<0.2	1.6								
	10.6	3.9	33	27.3						8.1	8.1	23.5	23.5	67.0	4.7	10.7	4	88	88	825676	806941	<0.2	1.6								
C3	Cloudy	Moderate	19:17	11.5						Surface	1.0	3.3	142	28.6	8.3	8.3	19.0	18.9	100.5	100.5	7.0	4.2	7	85	88	822118	817816	<0.2	1.4		
											1.0	3.5	142	28.6	8.3	8.3	19.0	18.9	100.4	7.0	4.3	6	88	88	822118	817816	<0.2	1.3			
											5.8	3.2	144	27.4	8.1	8.1	23.6	23.6	74.2	5.2	6.1	6	88	88	822118	817816	<0.2	1.3			
					Middle	5.8	3.3	156	27.4	8.1	8.1	23.6	23.6	74.3	5.2	6.1	6	88	88	822118	817816	<0.2	1.3								
						10.5	3.3	136	27.0	8.2	8.2	25.6	25.6	75.0	5.2	9.3	5	90	90	822118	817816	<0.2	1.3								
						10.5	3.4	138	27.0	8.2	8.2	25.6	25.6	75.4	5.2	9.5	6	90	90	822118	817816	<0.2	1.4								
					IM1	Fine	Calm	17:43	4.6	Surface	1.0	0.1	354	27.0	7.9	7.9	24.7	24.7	65.1	65.2	4.5	7.2	6	85	88	817950	807138	<0.2	1.2		
											1.0	0.1	326	27.0	7.9	7.9	24.7	24.7	65.2	4.5	7.3	6	86	86	817950	807138	<0.2	1.1			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	3.6	0.1	28	26.3						7.8	7.8	28.4	28.3	52.9	53.3	3.6	3.7	9.0	9.0	5	91	91	817950	807138	<0.2	1.2					
	3.6	0.1	29	26.3						7.8	7.8	28.3	28.3	53.6	3.7	9.0	4	91	91	817950	807138	<0.2	1.3								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Calm	17:36	6.4						Surface	1.0	0.1	325	27.2	7.8	7.8	24.0	24.1	65.0	64.7	4.5	8.9	5	85	88	818173	806159	<0.2	1.4		
											1.0	0.1	340	27.0	7.8	7.8	24.1	24.1	64.4	4.5	8.9	5	85	85	818173	806159	<0.2	1.4			
											3.2	0.1	357	26.5	7.8	7.8	26.2	26.2	53.0	52.9	4.4	9.5	5	89	89	818173	806159	<0.2	1.0		
					Middle	3.2	0.1	338	26.5	7.8	7.8	26.2	26.2	52.8	4.4	9.5	5	90	90	818173	806159	<0.2	1.0								
						5.4	0.2	42	26.2	7.8	7.8	28.8	28.7	53.4	4.3	9.8	6	90	90	818173	806159	<0.2	1.1								
						5.4	0.2	44	26.2	7.8	7.8	28.6	28.7	54.2	4.3	9.7	7	91	91	818173	806159	<0.2	1.1								
					IM3	Fine	Calm	17:28	6.8	Surface	1.0	0.1	312	27.5	7.9	7.9	22.1	21.9	70.2	70.0	4.9	5.5	7	88	90	818781	805570	<0.2	1.1		
											1.0	0.1	317	27.6	7.9	7.9	21.7	21.9	69.7	4.9	5.4	6	88	88	818781	805570	<0.2	1.0			
											3.4	0.1	344	26.5	7.8	7.8	27.0	27.1	50.4	50.3	4.5	7.0	6	90	90	818781	805570	<0.2	1.2		
Middle	3.4	0.1	316	26.5						7.8	7.8	27.1	27.1	50.2	4.5	7.0	6	90	90	818781	805570	<0.2	1.1								
	5.8	0.1	37	26.0						7.7	7.7	29.6	29.5	48.5	4.3	8.9	6	91	91	818781	805570	<0.2	1.1								
	5.8	0.1	39	26.0						7.7	7.7	29.5	29.5	48.7	4.3	8.9	6	91	91	818781	805570	<0.2	1.2								
IM4	Fine	Calm	17:19	8.0						Surface	1.0	0.1	337	28.5	7.9	7.9	17.4	17.4	82.4	82.3	5.8	6.2	5	91	89	819742	804605	<0.2	1.2		
											1.0	0.1	342	28.4	7.9	7.9	17.4	17.4	82.2	5.8	6.2	5	87	87	819742	804605	<0.2	1.4			
											4.0	0.1	4	27.4	7.9	7.9	20.4	20.4	71.6	5.1	8.2	8	89	89	819742	804605	<0.2	1.2			
					Middle	4.0	0.1	4	27.1	7.9	7.9	20.4	20.4	70.5	5.0	8.2	8	89	89	819742	804605	<0.2	1.3								
						7.0	0.1	31	26.5	7.8	7.8	27.3	27.3	56.0	3.9	9.9	8	91	91	819742	804605	<0.2	1.2								
						7.0	0.2	31	26.5	7.8	7.8	27.3	27.3	58.3	4.0	9.8	9	91	91	819742	804605	<0.2	1.2								
					IM5	Fine	Calm	17:12	7.4	Surface	1.0	0.1	302	28.2	7.9	7.9	18.6	18.6	78.4	78.4	5.5	5.5	7	86	89	820732	804871	<0.2	1.1		
											1.0	0.1	305	28.2	7.9	7.9	18.6	18.6	78.3	5.5	5.5	7	87	87	820732	804871	<0.2	1.1			
											3.7	0.1	290	28.2	7.9	7.9	18.6	18.6	78.1	5.5	8.1	6	90	90	820732	804871	<0.2	1.2			
Middle	3.7	0.1	300	28.2						7.9	7.9	18.6	18.6	78.1	5.5	8.1	6	90	90	820732	804871	<0.2	1.1								
	6.4	0.0	132	28.2						7.9	7.9	18.5	18.5	78.7	5.5	11.1	4	91	91	820732	804871	<0.2	1.1								
	6.4	0.0	138	28.2						7.9	7.9	18.5	18.5	78.7	5.5	11.0	4	91	91	820732	804871	<0.2	1.2								
IM6	Fine	Calm	17:07	7.0						Surface	1.0	0.1	193	28.4	7.9	7.9	17.8	17.8	83.9	83.9	5.9	5.6	5	86	88	821038	805842	<0.2	1.1		
											1.0	0.1	207	28.4	7.9	7.9	17.8	17.8	83.9	5.9	5.7	5	86	86	821038	805842	<0.2	1.0			
											3.5	0.1	213	28.4	7.9	7.9	17.8	17.8	83.7	5.9	7.5	5	89	89	821038	805842	<0.2	1.0			
					Middle	3.5	0.1	213	28.4	7.9	7.9	17.8	17.8	83.7	5.9	7.5	5	89	89	821038	805842	<0.2	1.1								
						6.0	0.1	236	28.3	7.9	7.9	17.8	17.7	83.8	5.9	9.7	5	90	90	821038	805842	<0.2	1.0								
						6.0	0.1	238	28.3	7.9	7.9	17.7	17.7	84.0	5.9	9.7	5	90	90	821038	805842	<0.2	0.9								
					IM7	Fine	Calm	17:01	8.0	Surface	1.0	0.2	221	28.4	7.9	7.9	16.0	16.1	89.7	89.6	6.4	8.0	6	86	89	821367	806854	<0.2	0.9		
											1.0	0.2	239	28.4	7.9	7.9	16.1	16.1	89.4	6.4	8.1	6	86	86	821367	806854	<0.2	0.9			
											4.0	0.1	243	28.2	7.9	7.9	18.2	18.2	81.1	5.7	9.1	5	89	89	821367	806854	<0.2	1.2			
Middle	4.0	0.1	264	28.2						7.9	7.9	18.2	18.2	81.1	5.7	9.1	5	89	89	821367	806854	<0.2	1.0								
	7.0	0.1	80	28.3						7.9	7.9	18.1	18.0	83.2	5.9	10.5	4	91	91	821367	806854	<0.2	1.0								
	7.0	0.1	80	28.3						7.9	7.9	18.0	18.0	83.6	5.9	10.4	4	91	91	821367	806854	<0.2	1.0								
IM8	Cloudy	Moderate	17:31	7.7						Surface																					



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

Water Quality Monitoring Results on 27 May 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	
C1	Fine	Calm	13:02	8.8	Surface	1.0	0.7	210	28.9	28.9	8.0	8.0	19.4	19.4	72.7	72.7	5.0	5.0	11.1	4	4	89	90	815643	804245	<0.2	<0.2	1.5	1.6					
						1.0	0.7	217	28.9	8.0	8.0	19.4	19.4	72.7	72.7	5.0	5.0	11.2	4	4	89	90	815643	804245	<0.2	<0.2	1.6	1.6						
						4.4	0.8	199	27.4	27.4	7.9	7.9	24.5	24.5	58.8	58.8	4.1	4.1	11.9	3	3	90	90	815643	804245	<0.2	<0.2	1.9	1.9					
					Middle	4.4	0.8	215	27.4	27.4	7.9	7.9	24.4	24.5	58.9	58.9	4.1	4.1	11.8	4	4	90	90	815643	804245	<0.2	<0.2	1.8	1.8					
						7.8	0.6	221	26.5	26.6	7.9	7.9	30.2	30.0	61.9	61.9	4.2	4.2	12.5	4	4	91	91	815643	804245	<0.2	<0.2	1.5	1.5					
						7.8	0.6	232	26.8	26.6	7.8	7.9	29.8	30.0	65.0	65.0	4.4	4.3	12.5	3	3	92	92	815643	804245	<0.2	<0.2	1.3	1.3					
					C2	Sunny	Moderate	11:48	12.4	Surface	1.0	3.2	170	28.0	28.0	7.8	7.8	21.4	21.4	65.3	65.2	4.5	4.5	10.6	13	13	84	87	825696	806936	<0.2	<0.2	1.1	1.1
											1.0	3.3	173	27.9	27.5	7.9	7.9	21.5	22.5	64.2	64.0	4.5	4.5	11.0	13	13	85	87	825696	806936	<0.2	<0.2	1.1	1.1
											6.2	3.2	172	27.5	27.5	7.9	7.9	22.5	22.5	64.2	64.0	4.5	4.5	10.9	14	14	87	88	825696	806936	<0.2	<0.2	1.1	1.1
Middle	6.2	3.3	177	27.5						27.5	7.9	7.9	22.5	22.5	63.8	63.8	4.5	4.5	10.9	13	13	88	89	825696	806936	<0.2	<0.2	1.0	1.0					
	11.4	3.2	168	27.3						27.3	7.9	7.9	25.4	25.3	64.9	64.9	4.5	4.5	12.9	14	14	89	90	825696	806936	<0.2	<0.2	1.2	1.2					
	11.4	3.2	173	27.3						27.3	7.9	7.9	25.3	25.3	65.1	65.0	4.5	4.5	12.9	13	13	89	90	825696	806936	<0.2	<0.2	1.1	1.1					
C3	Sunny	Moderate	14:51	12.0						Surface	1.0	1.1	217	28.1	28.1	7.9	7.9	23.5	23.5	69.5	69.4	4.8	4.8	8.2	13	13	86	89	822119	817821	<0.2	<0.2	1.1	1.1
											1.0	1.2	235	28.1	27.3	7.9	7.9	23.5	25.6	69.3	65.1	4.8	4.5	8.2	12	13	86	89	822119	817821	<0.2	<0.2	1.0	1.0
											6.0	0.7	220	27.3	27.3	7.9	7.9	25.5	25.6	65.4	65.1	4.5	4.5	8.5	13	13	89	90	822119	817821	<0.2	<0.2	1.1	1.1
					Middle	6.0	0.7	221	27.2	27.2	7.9	7.9	25.7	25.6	64.8	64.8	4.5	4.5	8.6	12	12	89	90	822119	817821	<0.2	<0.2	1.0	1.0					
						11.0	0.7	254	26.9	26.9	7.9	7.9	26.7	26.7	60.6	60.7	4.2	4.2	17.3	12	12	90	91	822119	817821	<0.2	<0.2	1.1	1.1					
						11.0	0.7	274	26.9	26.9	7.9	7.9	26.8	26.7	60.7	60.7	4.2	4.2	16.6	11	11	91	91	822119	817821	<0.2	<0.2	1.1	1.1					
					IM1	Fine	Calm	12:41	5.4	Surface	1.0	0.1	211	28.1	28.2	7.9	7.9	21.5	21.4	66.8	66.7	4.6	4.6	9.8	5	5	89	90	817949	807116	<0.2	<0.2	1.2	1.4
											1.0	0.1	230	28.2	28.2	7.9	7.9	21.2	21.4	66.6	66.6	4.6	4.6	9.8	5	5	89	90	817949	807116	<0.2	<0.2	1.4	1.4
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.4	0.1	135	27.1						27.1	7.8	7.8	26.3	26.2	67.8	70.1	4.7	4.9	10.7	8	8	92	91	817949	807116	<0.2	<0.2	2.6	2.5					
	4.4	0.1	139	27.2						27.2	7.8	7.8	26.2	26.2	72.4	72.4	5.0	4.9	10.6	9	9	91	91	817949	807116	<0.2	<0.2	2.5	2.5					
IM2	Fine	Calm	12:33	7.0						Surface	1.0	0.1	227	27.7	27.6	7.9	7.9	22.5	22.5	57.4	56.4	5.1	5.1	7.5	8	8	89	90	818181	806178	<0.2	<0.2	2.2	2.0
											1.0	0.1	229	27.5	27.5	7.9	7.9	22.4	22.5	55.4	55.4	5.0	5.1	7.4	7	7	89	90	818181	806178	<0.2	<0.2	2.0	2.0
											3.5	0.1	173	27.0	27.0	7.9	7.9	26.5	26.5	54.5	54.8	5.1	5.1	8.7	5	5	90	90	818181	806178	<0.2	<0.2	1.7	1.7
					Middle	3.5	0.1	189	27.1	27.1	7.9	7.9	26.5	26.5	55.1	55.1	5.2	5.2	8.6	5	5	90	90	818181	806178	<0.2	<0.2	1.6	1.6					
						6.0	0.3	116	26.6	26.6	7.9	7.8	28.8	28.8	61.1	62.9	4.2	4.3	10.5	5	5	91	91	818181	806178	<0.2	<0.2	2.2	2.2					
						6.0	0.3	125	26.7	26.7	7.8	7.8	28.8	28.8	64.6	64.6	4.4	4.3	10.4	4	4	91	91	818181	806178	<0.2	<0.2	2.1	2.1					
					IM3	Fine	Calm	12:25	7.4	Surface	1.0	0.1	218	29.1	29.1	7.9	7.9	18.7	18.8	66.8	65.3	5.1	5.2	8.5	11	11	89	90	818775	805599	<0.2	<0.2	1.4	1.5
											1.0	0.1	229	29.1	29.1	7.9	7.9	18.8	18.8	63.8	63.8	5.2	5.2	8.5	12	12	89	90	818775	805599	<0.2	<0.2	1.5	1.5
											3.7	0.1	176	27.7	27.7	7.9	7.9	24.1	24.0	58.7	58.4	5.0	5.1	9.2	11	11	90	90	818775	805599	<0.2	<0.2	1.3	1.3
Middle	3.7	0.2	184	27.7						27.7	7.9	7.9	23.9	24.0	58.1	58.1	5.0	5.0	9.1	10	10	90	90	818775	805599	<0.2	<0.2	1.2	1.2					
	6.4	0.4	129	26.6						26.6	7.8	7.8	28.3	28.3	59.9	61.5	4.1	4.2	9.6	10	10	91	91	818775	805599	<0.2	<0.2	1.4	1.4					
	6.4	0.5	134	26.7						26.7	7.8	7.8	28.2	28.3	63.0	61.5	4.3	4.2	9.5	10	10	91	91	818775	805599	<0.2	<0.2	1.4	1.4					
IM4	Fine	Calm	12:15	8.6						Surface	1.0	1.0	201	27.7	27.7	7.9	7.9	23.1	23.1	61.1	61.1	5.2	5.2	8.3	12	12	87	88	819711	804604	<0.2	<0.2	2.2	2.3
											1.0	1.1	215	27.7	27.7	7.9	7.9	23.0	23.1	61.0	61.0	5.2	5.1	8.3	12	12	88	89	819711	804604	<0.2	<0.2	2.3	2.3
											4.3	1.0	198	27.2	27.2	7.9	7.9	25.1	25.1	55.4	55.4	5.0	5.0	10.0	9	9	89	89	819711	804604	<0.2	<0.2	2.4	2.4
					Middle	4.3	1.1	205	27.2	27.2	7.9	7.9	25.1	25.1	55.3	55.3	5.0	5.0	10.1	10	10	89	89	819711	804604	<0.2	<0.2	2.4	2.4					
						7.6	0.6	162	26.7	26.8	7.8	7.8	28.3	28.2	58.0	59.2	4.0	4.1	12.1	7	7	91	91	819711	804604	<0.2	<0.2	2.3	2.3					
						7.6	0.6	173	26.8	26.8	7.8	7.8	28.2	28.2	60.4	60.4	4.1	4.1	12.0	8	8	91	91	819711	804604	<0.2	<0.2	2.3	2.3					
					IM5	Fine	Calm	12:07	8.4	Surface	1.0	0.7	215	27.9	27.9	7.9	7.9	22.6	22.6	61.2	61.0	5.2	5.2	8.2	3	3	87	88	820717	804887	<0.2	<0.2	1.6	1.6
											1.0	0.7	227	27.9	27.9	7.9	7.9	22.6	22.6	60.8	60.8	5.2	5.1	8.2	3	3	88	89	820717	804887	<0.2	<0.2	1.6	1.6
											4.2	0.6	210	27.3	27.2	7.9	7.9	24.0	24.1	54.4	54.2	5.0	5.0	11.0	5	5	89	89	820717	804887	<0.2	<0.2	1.6	1.6
Middle	4.2	0.7	218	27.1						27.1	7.9	7.9	24.2	24.1	53.9	54.2	5.0	5.0	10.9	6	6	89	89	820717	804887	<0.2	<0.2	1.6	1.6					
	7.4	0.5	181	26.9						27.0	7.8	7.8	27.5	27.3	60.4	63.2	4.1	4.3	11.8	5	5	91	91	820717	804887	<0.2	<0.2	1.4	1.4					
	7.4	0.6	190	27.2						27.0	7.8	7.8	27.2	27.3																				

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

Water Quality Monitoring Results on 27 May 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	Sunny	Moderate	12:21	7.9	Surface	1.0	1.9	162	28.0	28.0	7.8	7.8	21.0	21.0	65.7	65.5	5.2	5.1	10.5	13.6	13	13	86	88	822079	808825	<0.2	1.1	<0.2	1.1			
						1.0	1.9	177	28.0	28.0	7.8	7.8	21.0	21.0	65.3	60.4	5.2	5.1	10.5	13.6	12	13	87	88									
						4.0	1.9	162	27.5	27.5	7.8	7.8	22.7	22.7	60.5	60.4	5.1	5.1	15.0	13.6	12	13	88	89									
					Middle	4.0	2.0	175	27.4	27.4	7.8	7.8	22.7	22.7	60.3	60.4	5.0	5.0	15.0	13.6	13	13	88	89									
						6.9	1.9	167	27.2	27.2	7.8	7.8	24.4	24.4	60.6	60.9	4.2	4.2	15.6	13.6	13	13	89	89									
						6.9	2.0	178	27.2	27.2	7.8	7.8	24.4	24.4	61.2	60.9	4.2	4.2	15.3	13.6	13	13	89	89									
					Bottom	1.0	2.5	153	28.4	28.4	7.8	7.8	20.6	20.6	70.5	70.3	4.9	4.9	8.5	9.4	12	13	85	85									
						1.0	2.7	163	28.4	28.4	7.8	7.8	20.6	20.6	70.1	70.3	4.9	4.9	8.6	9.4	13	13	85	85									
						3.7	2.8	154	28.1	28.1	7.8	7.8	20.9	20.9	67.8	67.7	4.7	4.7	9.2	9.4	12	13	87	87									
Middle	3.7	2.9	167	28.0	28.0	7.8	7.8	20.9	20.9	67.6	67.7	4.7	4.7	9.3	9.4	13	13	88	88														
	6.4	2.2	160	27.7	27.7	7.8	7.8	22.8	22.8	67.5	67.8	4.7	4.7	10.3	9.4	14	13	89	89														
	6.4	2.3	161	27.7	27.7	7.8	7.8	22.8	22.8	68.0	67.8	4.7	4.7	10.9	9.4	13	13	89	89														
Bottom	1.0	2.2	151	28.4	28.4	7.8	7.8	20.5	20.5	70.2	70.1	4.9	4.9	8.6	9.6	14	12	86	89														
	1.0	2.3	159	28.4	28.4	7.8	7.8	20.5	20.5	70.0	70.1	4.9	4.9	8.7	9.6	13	12	86	89														
	4.1	2.6	153	28.4	28.4	7.8	7.8	20.6	20.6	69.5	69.6	4.8	4.8	9.0	9.6	14	12	89	89														
Middle	4.1	2.8	153	28.3	28.3	7.8	7.8	20.6	20.6	69.6	69.6	4.8	4.8	8.7	9.6	13	12	89	89														
	7.2	2.4	167	27.7	27.7	7.8	7.8	22.7	22.7	66.5	66.8	4.6	4.6	11.1	9.6	10	10	90	90														
	7.2	2.4	169	27.8	27.8	7.8	7.8	22.7	22.7	67.1	66.8	4.6	4.6	11.3	9.6	9	9	91	91														
Bottom	1.0	2.2	151	28.4	28.4	7.8	7.8	20.5	20.5	70.2	70.1	4.9	4.9	8.6	9.6	14	12	86	89														
	1.0	2.3	159	28.4	28.4	7.8	7.8	20.5	20.5	70.0	70.1	4.9	4.9	8.7	9.6	13	12	86	89														
	4.1	2.6	153	28.4	28.4	7.8	7.8	20.6	20.6	69.5	69.6	4.8	4.8	9.0	9.6	14	12	89	89														
Middle	4.1	2.8	153	28.3	28.3	7.8	7.8	20.6	20.6	69.6	69.6	4.8	4.8	8.7	9.6	13	12	89	89														
	7.2	2.4	167	27.7	27.7	7.8	7.8	22.7	22.7	66.5	66.8	4.6	4.6	11.1	9.6	10	10	90	90														
	7.2	2.4	169	27.8	27.8	7.8	7.8	22.7	22.7	67.1	66.8	4.6	4.6	11.3	9.6	9	9	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														
Middle	4.4	2.2	194	27.5	27.5	7.8	7.8	22.4	22.4	63.0	63.0	5.0	5.0	12.8	12.5	10	10	88	88														
	7.8	2.3	206	27.5	27.5	7.8	7.8	24.6	24.6	63.2	65.0	4.4	4.4	13.2	12.5	10	10	91	91														
	7.8	2.4	209	27.6	27.6	7.8	7.8	24.6	24.6	66.8	65.0	4.6	4.6	14.0	12.5	11	10	91	91														
Bottom	1.0	2.3	192	27.9	27.9	7.8	7.8	21.6	21.6	64.3	64.2	5.1	5.1	11.0	12.5	10	10	85	88														
	1.0	2.4	204	27.8	27.8	7.8	7.8	21.8	21.8	64.0	64.2	5.0	5.0	11.1	12.5	9	10	85	88														
	4.4	2.1	191	27.5	27.5	7.8	7.8	22.5	22.5	63.0	63.0	5.0	5.0	12.8	12.5	11	10	88	88														

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

Water Quality Monitoring Results on 27 May 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			
						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	07:09	9.2	Surface	1.0	0.6	32	28.0	28.0	7.9	7.9	18.6	18.5	62.5	61.3	4.4	7.8	5	88	89	88	89	88	89	89	89	815605	804238	<0.2	1.6	1.6	1.6		
						1.0	0.6	33	28.0	28.0	7.9	7.9	18.5	18.5	60.0	4.2	8.7	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						4.6	0.7	35	26.3	26.3	7.9	7.9	29.3	29.4	52.6	3.6	9.7	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
					Middle	4.6	0.7	37	26.3	26.3	7.9	7.9	29.4	29.4	52.5	3.6	9.7	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
						8.2	0.4	29	25.9	25.9	7.9	7.9	31.7	31.7	56.0	3.8	10.6	9	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
						8.2	0.4	30	26.0	26.0	7.9	7.9	31.7	31.7	57.6	3.9	10.5	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
					Bottom	1.0	0.2	326	28.2	28.2	7.8	7.8	18.6	18.6	70.6	5.0	16.6	14	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
						1.0	0.2	346	28.2	28.2	7.8	7.8	18.6	18.6	70.5	5.0	16.6	15	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						6.2	0.2	284	28.0	28.0	7.8	7.8	19.5	19.4	68.4	4.8	16.2	16	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
C2	Sunny	Moderate	08:10	12.4	Surface	1.0	0.2	326	28.2	28.2	7.8	7.8	18.6	18.6	70.6	5.0	16.6	14	86	86	86	86	86	86	86	86	86	86	86	86	86	86			
						1.0	0.2	346	28.2	28.2	7.8	7.8	18.6	18.6	70.5	5.0	16.6	15	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						6.2	0.2	284	28.0	28.0	7.8	7.8	19.4	19.4	68.3	4.8	15.7	15	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Middle	11.4	0.1	165	27.9	27.9	7.9	7.9	21.1	21.1	69.2	4.8	17.2	15	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
	11.4	0.1	165	27.9	27.9	7.9	7.9	21.1	21.1	69.7	4.9	17.2	16	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90				
	1.0	2.9	244	27.7	27.7	7.9	7.9	23.1	23.1	69.8	4.8	15.4	5	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85					
C3	Sunny	Moderate	06:02	12.6	Surface	1.0	2.9	244	27.7	27.7	7.9	7.9	23.1	23.1	69.8	4.8	15.4	5	85	85	85	85	85	85	85	85	85	85	85	85	85	85			
						1.0	3.1	243	28.2	28.2	7.9	7.9	29.7	29.7	58.1	4.0	11.0	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						6.3	3.4	256	26.2	26.2	7.9	7.9	29.7	29.7	58.1	4.0	11.2	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Middle	11.6	3.7	243	26.2	26.2	7.9	7.9	29.8	29.8	58.3	4.0	15.2	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
	11.6	3.7	247	26.2	26.2	7.9	7.9	29.8	29.8	58.4	4.0	15.4	5	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91				
	1.0	1.6	4	28.3	28.3	7.9	7.9	18.5	18.5	74.2	5.2	10.3	8	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86					
IM1	Fine	Calm	07:30	5.2	Surface	1.0	1.7	4	28.2	28.3	7.9	7.9	18.5	18.5	73.5	5.2	10.4	7	86	86	86	86	86	86	86	86	86	86	86	86	86	86			
						4.2	1.5	359	28.1	28.1	7.8	7.8	20.1	20.1	73.0	5.1	10.8	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						4.2	1.6	330	28.1	28.1	7.8	7.8	20.1	20.1	77.5	5.4	10.8	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
Bottom	4.2	1.5	359	28.1	28.1	7.8	7.8	20.1	20.1	73.0	5.1	10.8	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87					
	4.2	1.6	330	28.1	28.1	7.8	7.8	20.1	20.1	77.5	5.4	10.8	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
	1.0	0.1	346	28.3	28.3	7.9	7.9	17.7	17.8	72.7	5.1	8.3	6	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
IM2	Fine	Calm	07:38	7.2	Surface	1.0	0.1	346	28.3	28.3	7.9	7.9	17.7	17.8	72.7	5.1	8.3	6	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						1.0	0.1	318	28.3	28.3	7.9	7.9	17.8	17.8	71.6	5.1	8.3	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						3.6	0.1	353	27.8	27.8	7.9	7.9	21.8	21.8	63.9	4.4	9.5	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Middle	3.6	0.1	325	27.8	27.8	7.9	7.9	21.8	21.8	64.1	4.5	9.5	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89				
	6.2	0.2	37	27.8	27.8	7.9	7.9	22.0	22.0	64.1	4.5	11.5	10	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91				
	6.2	0.2	37	27.8	27.8	7.9	7.9	22.0	22.0	64.3	4.5	11.5	9	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91				
Bottom	1.0	0.1	326	28.2	28.2	7.9	7.9	19.0	19.0	67.8	4.8	6.9	3	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85					
	1.0	0.1	340	28.2	28.2	7.9	7.9	18.9	18.9	66.9	4.7	6.9	4	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85				
	3.7	0.1	335	27.7	27.7	7.9	7.9	22.6	22.6	61.8	4.3	8.5	9	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
IM3	Fine	Calm	07:46	7.4	Surface	3.7	0.1	308	27.7	27.7	7.9	7.9	22.6	22.6	61.8	4.3	8.5	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
						6.4	0.1	14	27.7	27.7	7.9	7.9	22.9	22.9	61.8	4.3	10.7	5	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						6.4	0.1	14	27.7	27.7	7.9	7.9	22.9	22.9	62.1	4.3	10.6	8	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
Bottom	1.0	0.1	354	28.2	28.1	7.9	7.9	19.3	18.9	67.6	4.7	8.9	3	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86					
	1.0	0.1	354	28.0	28.0	7.9	7.9	18.5	18.5	66.2	4.7	8.8	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
	4.3	0.1	6	27.5	27.5	7.9	7.9	23.4	23.4	61.5	4.3	9.5	3	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89				
IM4	Fine	Calm	07:57	8.6	Surface	4.3	0.1	6	27.5	27.5	7.9	7.9	23.4	23.4	61.8	4.3	9.4	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
						7.6	0.2	21	27.2	27.3	7.8	7.8	25.5	25.5	65.1	4.5	11.1	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						7.6	0.2	22	27.3	27.3	7.8	7.8	25.4	25.4	66.7	4.7	11.0	5	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
Middle	1.0	0.2	263	28.2	28.1	7.9	7.9	19.2	19.2	65.7	4.6	7.7	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87					
	1.0	0.2	266	28.1	28.1	7.9	7.9	19.2	19.2	64.5	4.5	7.7	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
	4.0	0.1	256	27.7	27.7	7.8	7.8																												

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

**Water Quality Monitoring Results on 27 May 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
IM9	Sunny	Moderate	07:39	7.2	Surface	1.0	0.3	32	28.1	28.1	7.8	7.8	19.8	19.9	65.7	65.6	4.6		12.7		14		85						<0.2	1.2	
						1.0	0.3	34	28.1			19.9		65.4		4.6		12.4		13		85								<0.2	1.1
						3.6	0.2	40	28.0	28.0	7.8	7.8	20.4	20.4	64.9	65.0	4.5	4.6	12.3	12.5	11	11	88	88					<0.2	1.1	
					Middle	3.6	0.2	41	28.0			20.4		65.1		4.6		12.6		10		89								<0.2	1.1
						6.2	0.2	46	28.1	28.1	7.9	7.9	20.5	20.5	69.5	69.8	4.9	4.9	12.9		9		89						<0.2	1.1	
						6.2	0.2	47	28.1			20.5		70.1		4.9		12.1		10		90								<0.2	1.0
					Bottom	1.0	0.6	298	28.2	28.2	7.9	7.9	19.4	19.4	69.6	69.6	4.9	4.9	8.7		19		85							<0.2	0.9
						1.0	0.6	308	28.2			19.5		69.5		4.9		8.8		20		86								<0.2	1.0
						3.8	0.5	306	27.9	27.9	7.9	7.9	21.4	21.4	69.1	69.1	4.8	4.8	9.9	10.1	19	17	89	88					<0.2	0.9	
Middle	3.8	0.5	306	27.9			21.5		69.0		4.8		9.9		20		89								<0.2	1.0					
	6.6	0.4	311	27.9	27.9	7.9	7.9	22.0	22.0	68.9	69.1	4.8	4.8	11.3		12		90						<0.2	1.0						
	6.6	0.4	334	27.8			22.1		69.3		4.8		12.0		13		90								<0.2	1.0					
IM10	Sunny	Moderate	07:30	7.6	Surface	1.0	2.0	203	27.9	27.9	7.9	7.9	22.0	22.0	68.2	68.2	4.7		9.5		13		85				<0.2	0.9			
						1.0	2.0	222	27.9			22.0		68.1		4.7		9.8		13		85							<0.2	0.9	
						4.3	2.1	203	27.3	27.3	7.9	7.9	22.3	22.3	67.4	67.3	4.7	4.7	11.1	11.1	14	15	88	88					<0.2	0.9	
					Middle	4.3	2.2	217	27.2			22.4		67.2		4.7		11.3		15		88								<0.2	1.0
						7.6	2.1	202	26.6	26.6	7.9	7.9	28.1	28.1	62.6	62.8	4.3	4.3	12.4		16		89						<0.2	1.0	
						7.6	2.3	210	26.6			28.1		62.9		4.3		12.6		16		90								<0.2	1.0
					Bottom	1.0	2.0	203	27.9	27.9	7.9	7.9	22.0	22.0	68.2	68.2	4.7	4.7	9.5		13		85							<0.2	0.9
						1.0	2.0	222	27.9			22.0		68.1		4.7		9.8		13		85								<0.2	0.9
						4.3	2.1	203	27.3	27.3	7.9	7.9	22.3	22.3	67.4	67.3	4.7	4.7	11.1	11.1	14	15	88	88					<0.2	0.9	
IM11	Cloudy	Moderate	07:19	8.6	Surface	1.0	2.0	203	27.9	27.9	7.9	7.9	22.0	22.0	68.2	68.2	4.7		9.5		13		85				<0.2	0.9			
						1.0	2.0	222	27.9			22.0		68.1		4.7		9.8		13		85							<0.2	0.9	
						4.3	2.1	203	27.3	27.3	7.9	7.9	22.3	22.3	67.4	67.3	4.7	4.7	11.1	11.1	14	15	88	88					<0.2	0.9	
					Middle	4.3	2.2	217	27.2			22.4		67.2		4.7		11.3		15		88								<0.2	1.0
						7.6	2.1	202	26.6	26.6	7.9	7.9	28.1	28.1	62.6	62.8	4.3	4.3	12.4		16		89						<0.2	1.0	
						7.6	2.3	210	26.6			28.1		62.9		4.3		12.6		16		90								<0.2	1.0
					Bottom	1.0	3.0	164	27.5	27.5	7.9	7.9	23.8	23.8	64.2	64.2	4.8	4.8	14.2		12		84							<0.2	1.1
						1.0	3.1	168	27.5			23.9		64.2		4.7		14.1		12		84								<0.2	1.0
						4.9	2.9	164	27.3	27.3	7.9	7.9	24.2	24.3	63.1	63.0	4.5	4.6	12.9	13.9	10	9	88	87					<0.2	1.0	
Middle	4.9	3.0	169	27.2			24.3		62.9		4.4		13.0		9		88								<0.2	1.1					
	8.8	3.3	167	26.9	26.9	7.9	7.9	26.3	26.3	62.2	62.2	4.3	4.3	14.5		6		89						<0.2	1.0						
	8.8	3.6	176	26.9			26.3		62.2		4.3		15.0		7		89								<0.2	1.0					
IM12	Cloudy	Moderate	07:12	9.8	Surface	1.0	3.0	164	27.5	27.5	7.9	7.9	23.8	23.8	64.2	64.2	4.8		14.2		12		84				<0.2	1.1			
						1.0	3.1	168	27.5			23.9		64.2		4.7		14.1		12		84							<0.2	1.0	
						4.9	2.9	164	27.3	27.3	7.9	7.9	24.2	24.3	63.1	63.0	4.5	4.6	12.9	13.9	10	9	88	87					<0.2	1.0	
					Middle	4.9	3.0	169	27.2			24.3		62.9		4.4		13.0		9		88								<0.2	1.1
						8.8	3.3	167	26.9	26.9	7.9	7.9	26.3	26.3	62.2	62.2	4.3	4.3	14.5		6		89						<0.2	1.0	
						8.8	3.6	176	26.9			26.3		62.2		4.3		15.0		7		89								<0.2	1.0
					Bottom	1.0	-	-	28.1	28.1	7.9	7.9	21.0	21.1	69.8	69.7	4.9	4.9	9.4		6		-		-					<0.2	1.1
						1.0	-	-	28.0		7.9	7.9	21.1		69.6		4.8	4.9	10.0		6		-		-					<0.2	1.0
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	-	6	-	-	-	-	-	-	-	<0.2	1.0
SR1A	Cloudy	Moderate	06:40	5.1	Surface	1.0	-	-	28.1	28.1	7.9	7.9	21.0	21.1	69.8	69.7	4.9		9.4		6		-				<0.2	1.1			
						1.0	-	-	28.0		7.9	7.9	21.1		69.6		4.8	4.9	10.0		6		-		-				<0.2	1.0	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	10.8	-	6	-	-	-	-	-	-	-	<0.2	1.0
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	1.0
						4.1	-	-	28.0	28.0	7.9	7.9	21.4	21.4	69.3	71.1	4.8	5.0	11.9		6		-		-				<0.2	1.0	
						4.1	-	-	27.9		7.9	7.9	21.4		72.9		5.1	5.0	12.0		5		-		-				<0.2	1.0	
					Bottom	1.0	1.1	66	28.1	28.1	7.9	7.9	20.4	20.4	71.3	71.2	5.0	5.0	7.0		6		84						<0.2	1.0	
						1.0	1.1	66	28.1			20.5		71.1		5.0		7.6		7		85							<0.2	0.9	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	6	-	86	86					<0.2	0.9
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	1.0					
	3.6	0.9	84	27.8	27.8	7.9	7.9	22.0	22.0	66.5	66.5	4.6	4.6	9.9		6		88						<0.2	0.9						
	3.6	1.0	86	27.8			22.0		66.5		4.6		9.9		5		88							<0.2	0.9						
SR2	Sunny	Moderate	06:22	4.6	Surface	1.0	1.1	66	28.1	28.1	7.9	7.9	20.4	20.4	71.3	71.2	5.0		7.0		6		84				<0.2	1.0			
						1.0	1.1	66	28.1			20.5		71.1		5.0		7.6		7		85						<0.2	0.9		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	6	-	86	86					<0.2	0.9
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	1.0
						3.6	0.9	84	27.8	27.8	7.9	7.9	22.0	22.0	66.5	66.5	4.6	4.6	9.9		6		88						<0.2	0.9	
						3.6	1.0	86	27.8			22.0		66.5		4.6		9.9		5		88							<0.2	0.9	
					Bottom	1.0	0.3	46	28.1	28.1	7.8	7.8	19.4	19.4	70.1	70.1	4.9	4.9	11.8		7		-		-				<0.2	1.0	
						1.0	0.3	46	28.1			19.4		70.0		4.9		11.9		6		-		-					<0.2	1.0	
						4.5	0.4	65	28.0	28.0	7.8	7.8	19.8	19.9	68.6	68.6	4.8	4.8	14.0	12.8	7	6	-	-	-				<0.2	1.0	
Middle	4.5	0.4	71	27.9			19.9		68.6		4.8		14.0		6		-		-					<0.2	1.0						
	7.9	0.8	78	27.9	27																										



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

Water Quality Monitoring Results on 29 May 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
C1	Fine	Rough	14:32	8.6	Surface	1.0	0.4	217	28.9	28.9	8.2	8.2	19.2	19.2	91.1	6.3	5.1	7	89	90	815619	804224	<0.2	1.1	<0.2	1.7							
						1.0	0.4	228	28.9	8.2	8.2	19.2	19.0	91.0	6.3	5.1	6	89	90	815619	804224	<0.2	1.2										
						4.3	0.6	197	27.0	8.2	8.2	27.7	27.6	60.0	4.1	14.0	7	90	90	815619	804224	<0.2	1.5										
					Middle	4.3	0.6	198	27.1	27.1	8.2	8.2	60.1	4.1	13.0	6	90	90	815619	804224	<0.2	1.4											
						7.6	0.4	220	26.5	26.5	8.2	8.2	28.9	28.9	58.6	4.0	14.7	7	91	91	815619	804224	<0.2	2.4									
						7.6	0.4	233	26.5	26.5	8.2	8.2	28.9	28.9	58.7	4.0	14.2	7	91	91	815619	804224	<0.2	2.3									
					C2	Fine	Moderate	13:25	13.0	Surface	1.0	0.2	135	28.7	28.7	7.9	7.9	19.9	19.9	73.0	73.0	5.1	8.3	13			88	825688	806933	<0.2	1.3	<0.2	1.3
											1.0	0.2	135	28.7	28.7	7.9	7.9	19.9	19.9	72.9	5.1	8.4	14	88			825688	806933	<0.2	1.2			
											6.5	0.5	154	28.5	28.5	7.9	7.9	20.8	20.8	67.6	4.7	9.1	12	91			825688	806933	<0.2	1.3			
Middle	6.5	0.5	159	28.4						28.4	7.9	7.9	20.8	20.8	66.6	4.6	9.3	13	91	825688	806933	<0.2	1.3										
	12.0	0.5	144	27.2						27.2	7.9	7.9	27.3	27.2	65.5	4.5	10.8	13	93	825688	806933	<0.2	1.3										
	12.0	0.5	150	27.4						27.4	7.9	7.9	27.2	27.2	68.4	4.7	10.5	12	94	825688	806933	<0.2	1.2										
C3	Fine	Calm	15:26	10.8						Surface	1.0	0.4	286	28.4	28.4	8.0	8.0	23.8	23.8	73.6	73.5	5.0	7.1	8	87	822115	817784	<0.2	1.0	<0.2	1.0		
											1.0	0.4	293	28.4	28.4	8.0	8.0	23.8	23.8	73.3	5.0	7.3	9	87	822115	817784	<0.2	1.1					
											5.4	0.2	257	27.6	27.5	8.0	8.0	25.2	25.3	66.8	4.6	8.3	9	88	822115	817784	<0.2	0.9					
					Middle	5.4	0.2	260	27.4	27.4	8.0	8.0	25.3	25.3	66.3	4.6	8.1	8	88	822115	817784	<0.2	1.0										
						9.8	0.1	120	26.8	26.8	8.0	8.0	29.7	29.7	69.9	4.7	9.9	8	93	822115	817784	<0.2	0.9										
						9.8	0.1	127	26.8	26.8	8.0	8.0	29.7	29.7	70.3	4.8	9.6	7	93	822115	817784	<0.2	1.0										
					IM1	Fine	Rough	14:13	5.6	Surface	1.0	0.1	134	29.1	29.1	8.2	8.2	19.0	19.0	87.6	87.5	6.1	5.3	5	88	817960	807133	<0.2	2.1			<0.2	1.7
											1.0	0.1	146	29.1	29.1	8.2	8.2	19.0	19.0	87.3	6.0	5.5	6	88	817960	807133	<0.2	2.0					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	4.6	0.1	311	26.9						26.9	8.2	8.2	27.2	27.2	60.8	61.0	4.2	4.2	12.6	7	91	817960	807133	<0.2	1.4								
	4.6	0.1	315	26.9						26.9	8.2	8.2	27.2	27.2	61.1	4.2	12.3	6	91	817960	807133	<0.2	1.3										
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IM2	Fine	Rough	14:06	7.2						Surface	1.0	0.1	200	28.9	28.9	8.2	8.2	19.1	19.1	84.9	84.8	5.9	4.8	8	88	818163	806144	<0.2	2.2	<0.2	2.0		
											1.0	0.1	218	28.9	28.9	8.2	8.2	19.1	19.1	84.7	5.9	4.8	7	89	818163	806144	<0.2	2.2					
											3.6	0.2	145	27.1	27.1	8.2	8.2	26.4	26.6	57.3	3.9	10.2	6	90	818163	806144	<0.2	2.2					
					Middle	3.6	0.2	158	27.1	27.1	8.2	8.2	26.8	26.8	57.7	4.0	10.8	5	90	818163	806144	<0.2	2.2										
						6.2	0.1	128	26.8	26.8	8.2	8.2	28.0	28.0	60.9	4.2	12.0	6	90	818163	806144	<0.2	1.7										
						6.2	0.1	129	26.8	26.8	8.2	8.2	28.0	28.0	61.3	4.2	11.6	5	90	818163	806144	<0.2	1.6										
					IM3	Fine	Rough	13:59	7.6	Surface	1.0	0.1	220	29.1	29.1	8.2	8.2	18.5	18.5	92.0	91.9	6.4	5.0	7	89	818790	805596	<0.2	2.4			<0.2	2.0
											1.0	0.1	238	29.1	29.1	8.2	8.2	18.5	18.5	91.8	6.4	5.0	7	89	818790	805596	<0.2	2.3					
											3.8	0.2	158	27.2	27.2	8.2	8.2	23.2	23.1	65.2	4.6	14.6	7	89	818790	805596	<0.2	1.5					
Middle	3.8	0.2	172	27.2						27.2	8.2	8.2	23.1	23.1	65.2	4.6	14.0	6	90	818790	805596	<0.2	1.4										
	6.6	0.4	120	26.9						26.9	8.2	8.2	27.5	27.5	57.2	3.9	12.8	6	91	818790	805596	<0.2	2.1										
	6.6	0.5	127	26.9						26.9	8.2	8.2	27.5	27.5	57.7	4.0	12.2	7	91	818790	805596	<0.2	2.2										
IM4	Fine	Rough	13:50	7.8						Surface	1.0	0.7	196	27.4	27.4	8.1	8.1	23.7	23.7	69.8	69.8	4.8	12.6	2	87	819735	804602	<0.2	2.0	<0.2	2.2		
											1.0	0.7	205	27.4	27.4	8.1	8.1	23.7	23.7	69.8	4.8	13.9	10	87	819735	804602	<0.2	2.1					
											3.9	0.7	187	27.1	27.1	8.1	8.1	26.0	26.0	65.2	4.4	14.0	6	88	819735	804602	<0.2	2.4					
					Middle	3.9	0.7	187	27.1	27.1	8.1	8.1	26.0	26.0	65.2	4.4	13.5	10	89	819735	804602	<0.2	2.2										
						6.8	0.2	175	27.1	27.2	8.1	8.1	26.6	26.6	56.2	3.9	13.4	8	90	819735	804602	<0.2	2.2										
						6.8	0.2	176	27.2	27.2	8.1	8.1	26.5	26.6	56.4	3.9	13.3	7	91	819735	804602	<0.2	2.4										
					IM5	Fine	Rough	13:42	7.7	Surface	1.0	0.6	217	27.5	27.5	8.1	8.1	24.1	24.1	69.4	69.4	4.8	10.7	14	87	820720	804846	<0.2	1.3			<0.2	1.6
											1.0	0.6	235	27.5	27.5	8.1	8.1	24.1	24.1	69.4	4.8	10.6	14	88	820720	804846	<0.2	1.2					
											3.9	0.7	223	27.1	27.1	8.2	8.2	26.1	26.1	65.8	4.5	13.8	14	88	820720	804846	<0.2	1.3					
Middle	3.9	0.8	238	27.1						27.1	8.2	8.2	26.1	26.1	65.8	4.5	14.3	13	89	820720	804846	<0.2	1.4										
	6.7	0.6	211	27.1						27.1	8.2	8.2	26.6	26.6	56.2	3.9	14.2	12	90	820720	804846	<0.2	2.0										
	6.7	0.6	225	27.1						27.1	8.2	8.2	26.6	26.6	56.2	3.9	14.2	11	91	820720	804846	<0.2	2.1										
IM6	Fine	Rough	13:34	8.2						Surface	1.0	0.5	258	28.6	28.6	8.2	8.2	19.7	19.7	73.0	73.0	5.1	10.0	15	86	821050	805829	<0.2	2.1	<0.2	1.9		
											1.0	0.5	283	28.5	28.5	8.2	8.2	19.7	19.7	72.9	5.1	10.2	6	87	821050	805829	<0.2	2.1					
											4.1	0.3	234	27.7	27.7	8.2	8.2	21.5	21.5	66.3	4.6	13.6	4	88	821050	805829	<0.2	1.6					
					Middle	4.1	0.4	242	27.7	27.7	8.2	8.2	21.5	21.5	66.3	4.6	13.5	14	88	821050	805829	<0.2	1.4										
						7.2	0.3	182	27.5	27.5	8.2	8.2	25.3	25.3	60.0	4.1	14.8	13	90	821050	805829	<0.2	2.2										
						7.2	0.3	192	27.5	27.5	8.2	8.2	25.3	25.3	60.2	4.1	15.8	4	90	821050	805829	<0.2	2.1										
					IM7	Fine	Rough	13:26	8.3	Surface	1.0	0.2	305	28.7	28.7	8.2	8.2	19.1	19.1	74.2	74.2	5.2	9.4	6	86	821334	806848	<0.2	1.3			<0.2	1.6
											1.0	0.2	320	28.7	28.7	8.2	8.2	19.2	19.1	74.2	5.2	9.7	5	87	821334	806848	<0.2	1.3					
											4.2	0.1	215	28.2	28.2	8.2	8.2	21.1	21.1	63.0	4.4	15.3	6	87	821334	806848	<0.2	1.3					
Middle	4.2	0.1	221	28.2						28.2	8.2	8.2	21.2	21.1	63.0	4.4	15.1	5	87	821334	806848	<0.2	1.3										
	7.3	0.2	164	28.2						28.2	8.2	8.2	21.4	21.4	62.9																		

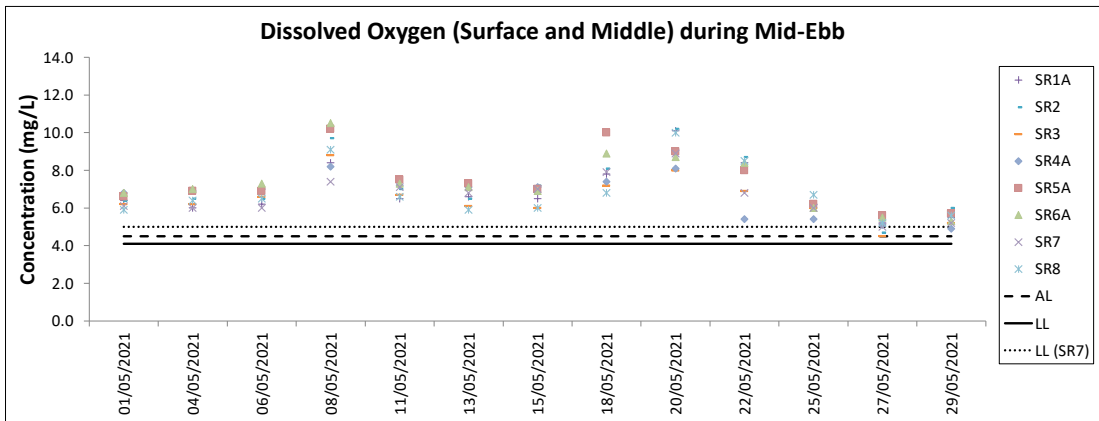
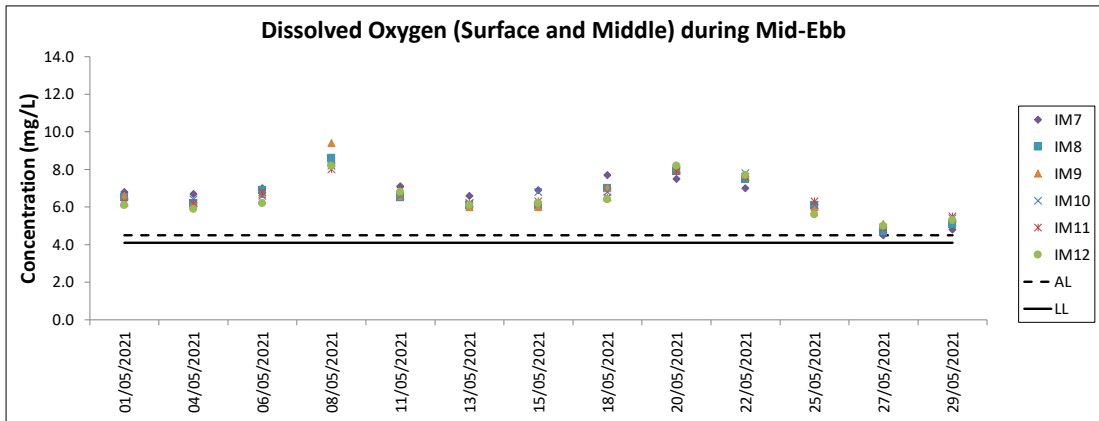
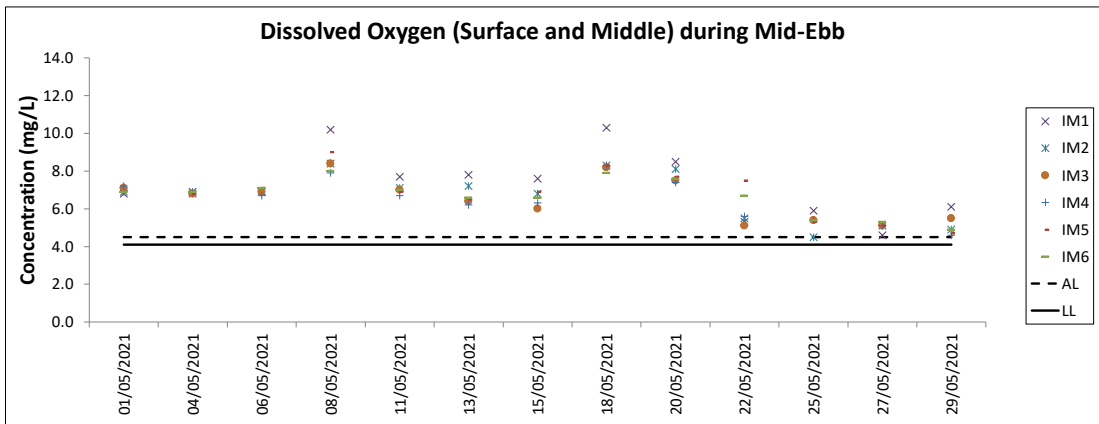
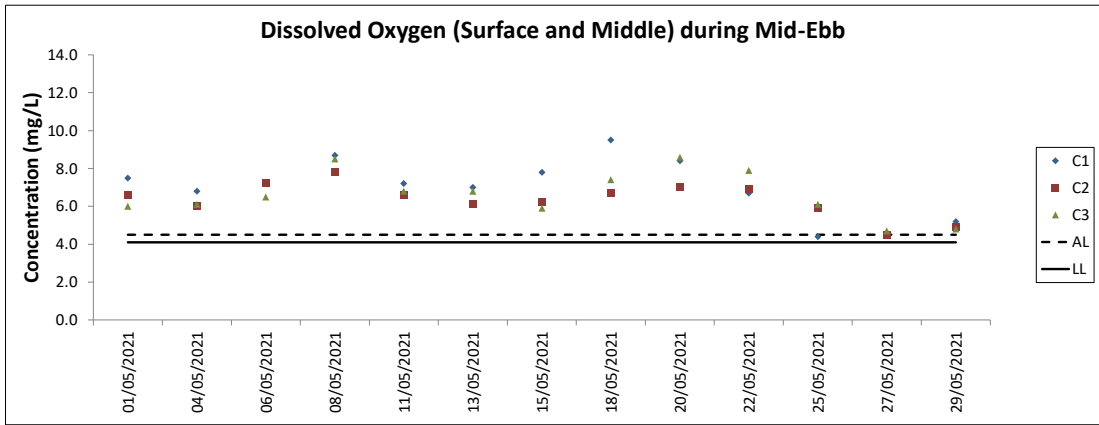
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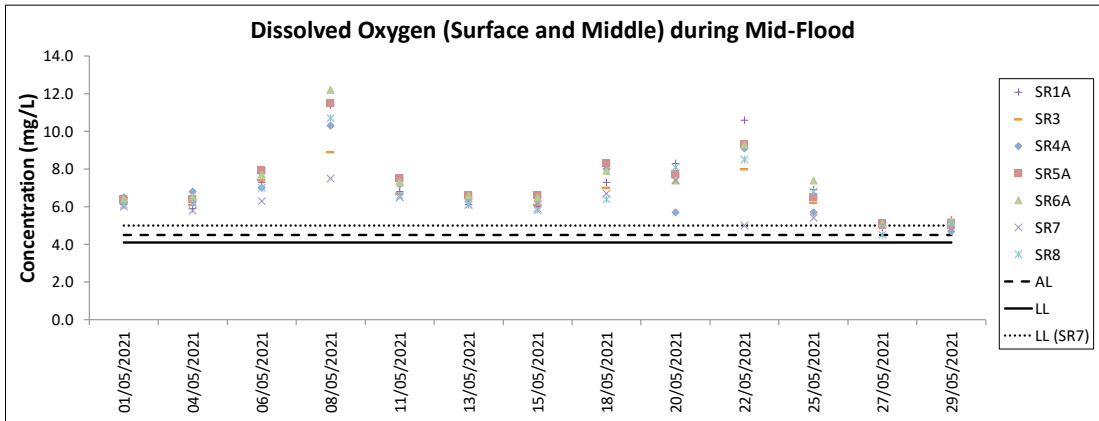
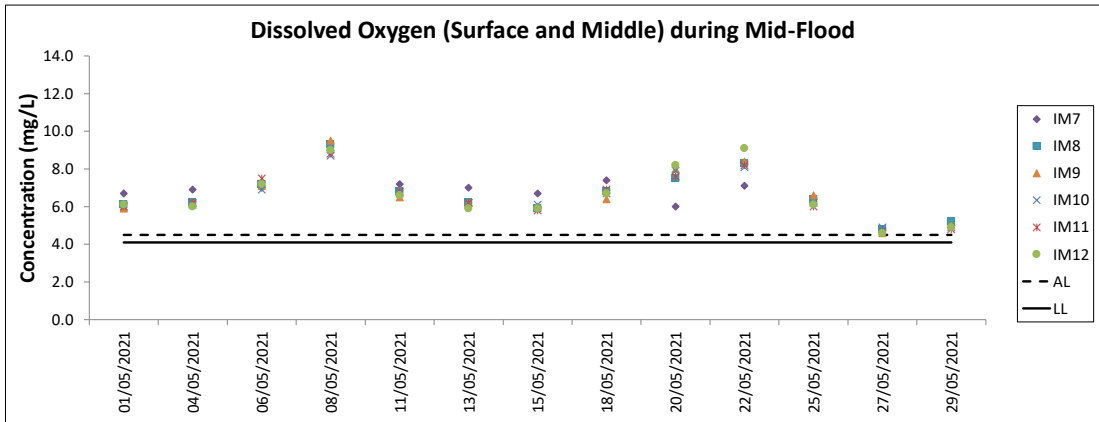
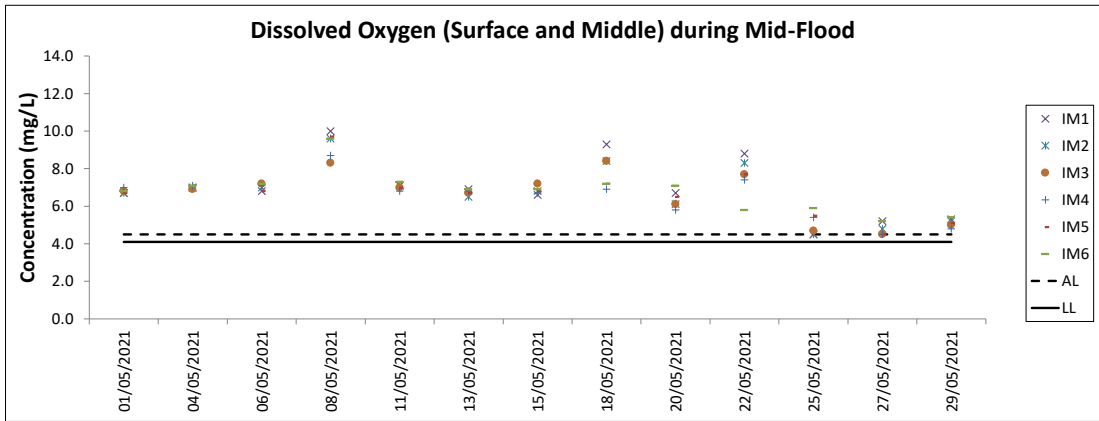
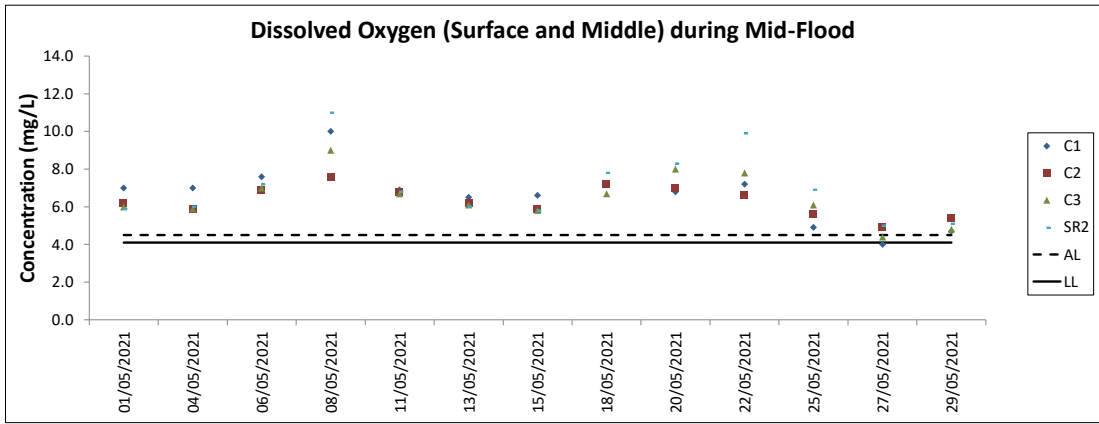
Water Quality Monitoring Results on 29 May 21 during Mid-Ebb Tide

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	Fine	Calm	13:57	8.0	Surface	1.0	1.4	58	28.8	28.8	7.9	7.9	20.2	20.2	78.9	78.9	5.4	5.4	6.7	11	87	90	822111	808796	<0.2	1.1	<0.2	1.2					
						1.0	1.4	61	28.8	28.8	7.9	7.9	20.2	20.2	78.8	78.8	5.4	5.4	6.1	11	87	90											
					Middle	4.0	1.2	57	28.8	28.8	7.9	7.9	20.3	20.3	77.2	77.2	5.3	5.3	7.6	12	89	90											
						4.0	1.3	59	28.8	28.8	7.9	7.9	20.3	20.3	77.1	77.1	5.3	5.3	7.3	11	91	90											
					Bottom	7.0	1.6	54	28.4	28.5	7.9	7.9	21.7	22.0	78.9	79.8	5.4	5.5	8.7	11	92	90											
						7.0	1.7	55	28.6	28.5	7.9	7.9	22.3	22.3	80.7	80.7	5.5	5.5	8.9	12	92	90											
IM10	Fine	Calm	14:04	8.8	Surface	1.0	1.4	80	29.0	29.0	7.9	7.9	18.9	18.9	79.4	79.1	5.5	5.5	7.0	13	86	90	822405	809814	<0.2	1.4	<0.2	1.3					
						1.0	1.5	81	29.0	29.0	7.9	7.9	18.9	18.9	78.8	78.8	5.5	5.5	7.0	12	87	90											
					Middle	4.4	1.7	74	28.6	28.6	7.9	7.9	20.3	20.3	75.3	75.2	5.2	5.2	8.4	12	91	90											
						4.4	1.7	80	28.6	28.6	7.9	7.9	20.4	20.4	75.1	75.1	5.2	5.2	8.9	11	91	90											
					Bottom	7.8	2.0	62	28.6	28.6	7.9	7.9	20.6	20.6	76.5	76.9	5.3	5.3	9.2	10	92	90											
						7.8	2.0	66	28.6	28.6	7.9	7.9	20.6	20.6	77.3	77.3	5.3	5.3	9.9	11	92	90											
IM11	Fine	Calm	14:14	9.2	Surface	1.0	1.5	80	29.3	29.2	8.0	8.0	18.0	18.0	83.6	82.9	5.8	5.7	8.9	12	86	90	822037	811449	<0.2	1.2	<0.2	1.2					
						1.0	1.5	80	29.2	29.2	8.0	8.0	18.1	18.0	83.6	82.9	5.7	5.7	8.7	11	87	90											
					Middle	4.6	1.5	69	28.7	28.6	7.9	7.9	20.2	20.2	77.1	77.0	5.3	5.3	9.1	10	90	90											
						4.6	1.6	75	28.6	28.6	7.9	7.9	20.2	20.2	76.9	76.9	5.3	5.3	9.1	9	91	90											
					Bottom	8.2	1.8	61	28.5	28.5	7.9	7.9	21.0	21.0	78.9	79.6	5.5	5.5	10.1	9	92	90											
						8.2	1.9	62	28.5	28.5	7.9	7.9	21.0	21.0	80.3	80.3	5.5	5.5	10.0	10	91	90											
IM12	Fine	Calm	14:20	10.0	Surface	1.0	0.5	95	29.0	29.0	8.0	8.0	19.7	19.7	79.8	79.5	5.5	5.5	7.2	14	86	90	821460	812050	<0.2	1.0	<0.2	1.0					
						1.0	0.5	100	29.0	29.0	8.0	8.0	19.7	19.7	79.2	79.2	5.5	5.5	7.0	13	86	90											
					Middle	5.0	0.4	116	28.6	28.5	7.9	7.9	21.2	21.2	72.6	72.4	5.0	5.0	8.1	12	87	88											
						5.0	0.4	122	28.5	28.5	7.9	7.9	21.3	21.3	72.2	72.2	5.0	5.0	8.8	12	87	88											
					Bottom	9.0	0.2	92	28.3	28.3	7.9	7.9	22.2	22.2	73.8	73.8	5.1	5.1	9.9	11	92	88											
						9.0	0.3	95	28.3	28.3	7.9	7.9	22.2	22.2	73.8	73.8	5.1	5.1	9.2	11	88	88											
SR1A	Fine	Calm	14:52	4.2	Surface	1.0	-	-	29.1	29.1	8.0	8.0	20.9	20.9	81.0	81.0	5.5	5.5	9.3	10	-	-	819982	812655	-	-	-	-					
						1.0	-	-	29.1	29.1	8.0	8.0	20.9	20.9	80.9	80.9	5.5	5.5	9.3	10	-	-											
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.2	-	-	28.7	28.7	8.0	8.0	21.3	21.3	90.9	90.9	6.3	6.3	9.1	10	-	-	-	-	-	-			-	-	-	-	-
						3.2	-	-	28.7	28.7	8.0	8.0	21.3	21.3	90.9	90.9	6.3	6.3	9.0	10	-	-	-	-	-	-			-	-	-	-	-
SR2	Fine	Calm	15:07	5.0	Surface	1.0	1.7	52	29.4	29.4	8.0	8.0	17.4	17.4	85.7	85.6	6.0	5.9	7.2	13	90	91	821455	814183	<0.2	1.2	<0.2	1.2					
						1.0	1.8	56	29.4	29.4	8.0	8.0	17.4	17.4	85.4	85.4	5.9	5.9	7.0	12	90	91											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	4.0	1.7	44	28.6	28.6	7.9	7.9	21.0	21.1	79.2	81.3	5.5	5.6	8.3	14	92	90											
						4.0	1.8	44	28.6	28.6	8.0	8.0	21.1	21.1	83.3	83.3	5.7	5.7	8.0	15	92	90											
SR3	Fine	Calm	13:44	9.8	Surface	1.0	0.0	246	28.9	28.9	8.0	8.0	20.1	20.1	79.7	79.5	5.5	5.5	7.5	11	-	-	822131	807576	-	-	-	-					
						1.0	0.0	254	28.9	28.9	8.0	8.0	20.1	20.1	79.3	79.3	5.5	5.5	7.6	12	-	-											
					Middle	4.9	0.1	194	28.3	28.3	7.9	7.9	21.7	21.7	71.4	71.5	4.9	4.9	8.1	12	-	-	-	-									
						4.9	0.1	208	28.4	28.4	7.9	7.9	21.7	21.7	71.5	71.5	4.9	4.9	8.2	13	-	-	-	-									
					Bottom	8.8	0.1	258	28.2	28.2	7.9	7.9	22.3	22.3	71.5	71.8	4.9	5.0	9.0	13	-	-	-	-									
						8.8	0.1	273	28.2	28.2	7.9	7.9	22.3	22.3	72.0	72.0	5.0	5.0	9.1	12	-	-	-	-									
SR4A	Fine	Rough	14:53	8.9	Surface	1.0	0.2	256	28.9	28.9	8.1	8.1	19.7	19.7	78.2	78.1	5.4	5.4	8.0	8	-	-	817210	807827	-	-	-	-					
						1.0	0.2	271	28.9	28.9	8.1	8.1	19.7	19.7	77.9	77.9	5.4	5.4	8.2	7	-	-											
					Middle	4.5	0.1	259	27.2	27.2	8.1	8.1	23.3	23.3	62.7	62.6	4.4	4.4	14.3	6	-	-	-	-									
						4.5	0.1	281	27.1	27.1	8.1	8.1	23.2	23.2	62.5	62.5	4.4	4.4	14.8	4	-	-	-	-									
					Bottom	7.9	0.1	75	26.9	26.9	8.1	8.1	27.3	27.3	57.5	57.6	3.9	4.0	12.6	12	-	-	-	-									
						7.9	0.1	76	26.9	26.9	8.1	8.1	27.3	27.3	57.6	57.6	4.0	4.0	12.2	8	-	-	-	-									
SR5A	Fine	Moderate	15:12	4.2	Surface	1.0	0.1	15	29.1	29.1	8.1	8.1	19.6	19.6	82.0	82.0	5.7	5.7	12.9	17	-	-	816585	810710	-	-	-	-					
						1.0	0.1	16	29.1	29.1	8.1	8.1	19.6	19.6	82.0	82.0	5.7	5.7	12.9	18	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.2	0.1	50	29.1	29.1	8.1	8.1	19.6	19.6	82.4	82.5	5.7	5.7	10.9	10	-	-	-	-									
						3.2	0.1	51	29.1	29.1	8.1	8.1	19.6	19.6	82.6	82.6	5.7	5.7	11.0	10	-	-	-	-									
SR6A	Fine	Moderate	15:36	4.5	Surface	1.0	0.1	83	29.0	29.0	8.1	8.1	20.5	20.5	76.7	76.7	5.3	5.3	7.8	5	-	-	817944	814736	-	-	-	-					
						1.0	0.1	86	28.9	28.9	8.1	8.1	20.6	20.6	76.7	76.7	5.3	5.3	7.9	10	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.5	0.0	54	28.6	28.7	8.1	8.1	21.3	21.3	71.5	71.8	4.9	4.9	9.6	20	-	-	-	-									
						3.5	0.0	57	28.7	28.7	8.1	8.1	21.2	21.2	71.8	71.8	4.9	4.9	9.6	10	-	-	-	-									
SR7	Fine	Calm	15:51	18.0	Surface	1.0	1.0	118	28.7	28.7	8.0	8.0	21.7	21.7	75.3	75.3	5.2	5.2	7.5	10	-	-	823619	823739	-	-	-	-					
						1.0	1.0	129	28.6	28.6	8.0	8.0	21.7	21.7	75.2	75.2	5.2	5.2	7.5	11	-	-											
					Middle	9.0	0.7	126	28.3	28.3	8.0	8.0	23.3	23.2	74.8	74.9	5.1	5.1	8.0	13	-	-	-	-									
						9.0	0.7	130	28.3	28.3	8.0	8.0	23.2	23.2	74.9	74.9	5.1	5.1	8.0	12	-	-	-	-									
					Bottom	17.0	0.3	184	28.5	28.5	8.0	8.0	23.0	22.8	82.1	83.5	5.6	5.7	9.6	13	-	-	-	-									
						17.0	0.3	199	28.6	28.6	8.0	8.0	22.6	22.6	84.9	84.9	5.8	5.8	9.6	12	-	-	-	-									
SR8	Fine	Calm	14:29	5.4	Surface	1.0	-	-	29.7	29.6	7.9	7.9	21.4	21.4	82.3	82.4	5.6	5.6	10.0	13	-	-	820376	811642	-	-	-	-					
						1.0	-	-	29.6	29.6	7.9	7.9	21.4	21.4	82.4</																		





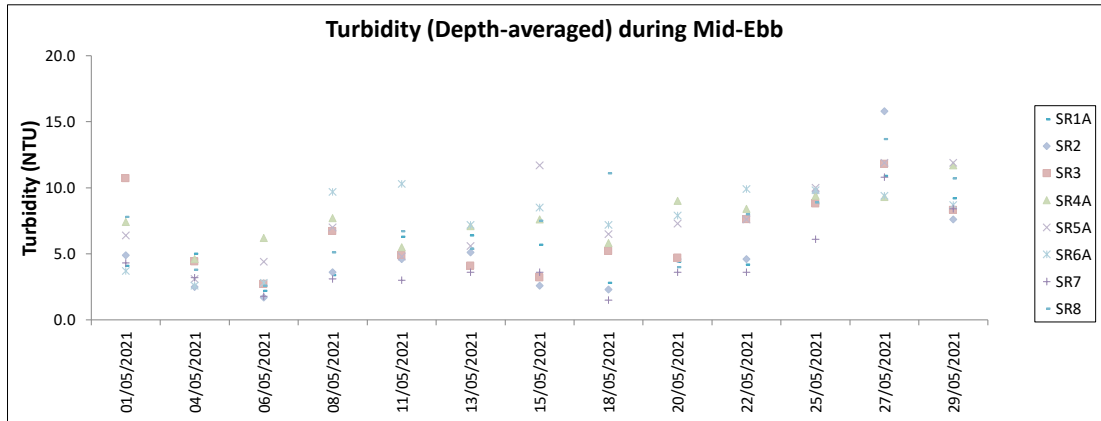
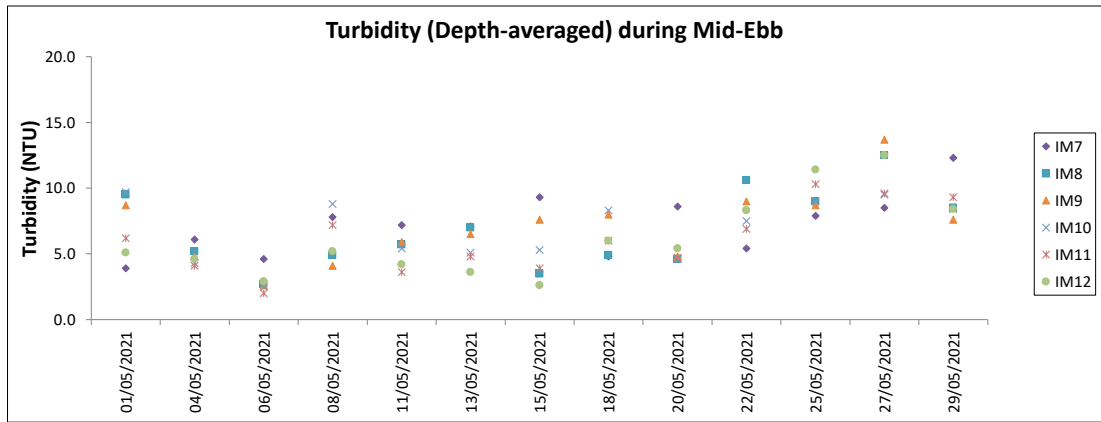
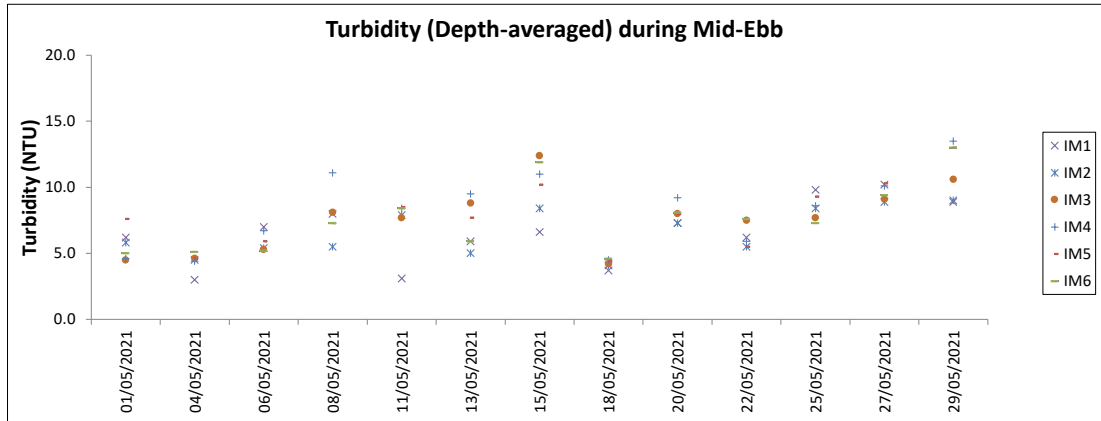
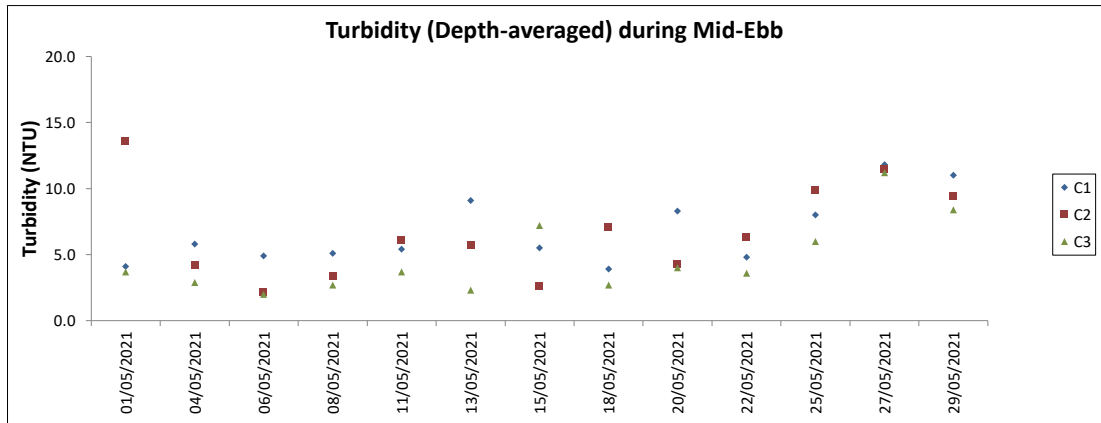




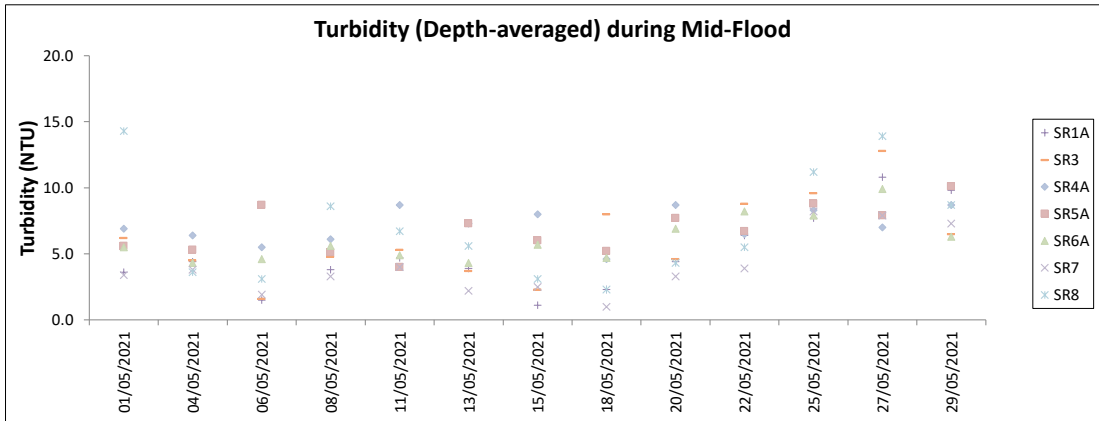
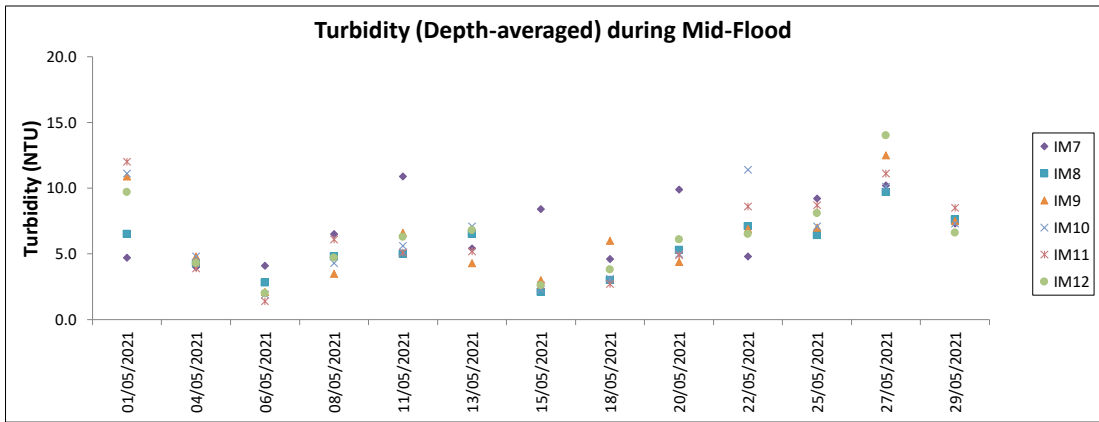
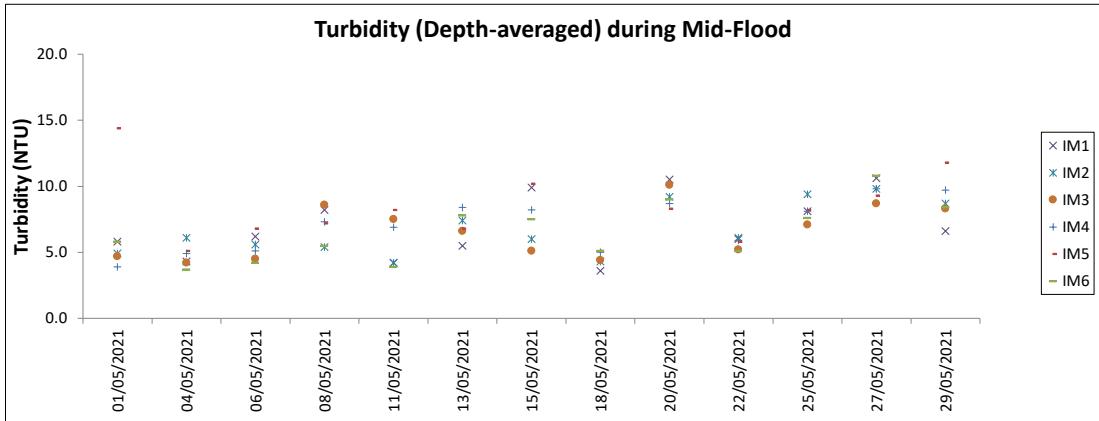
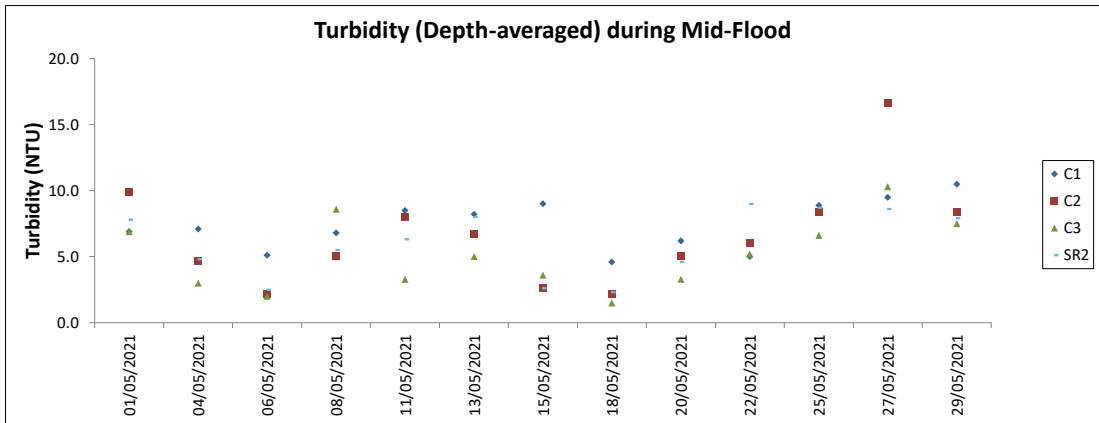




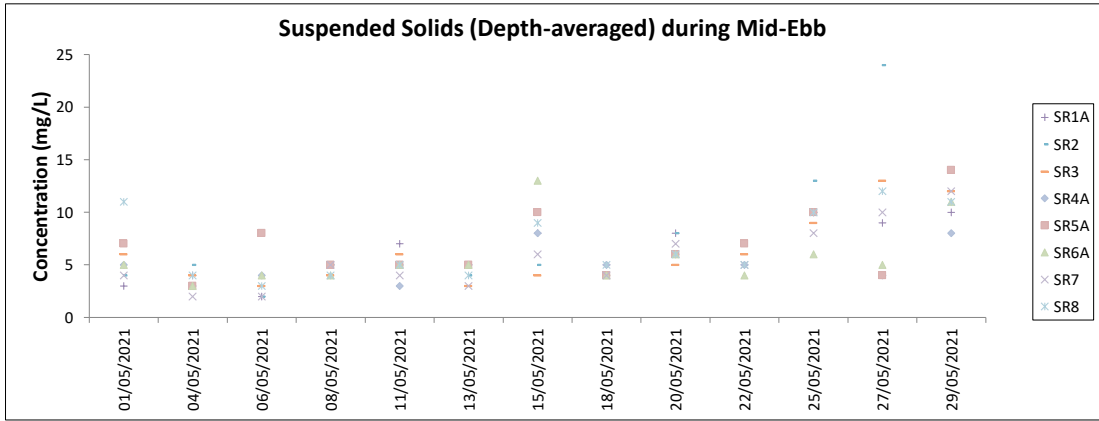
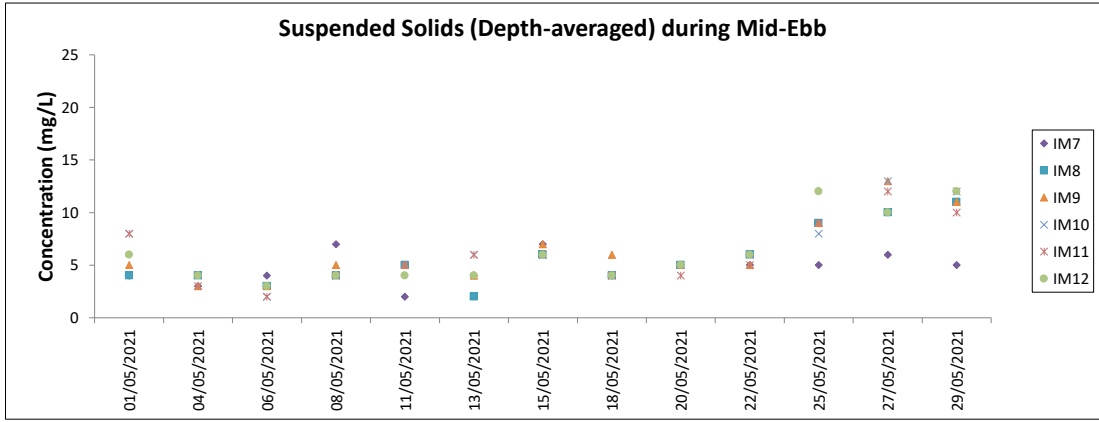
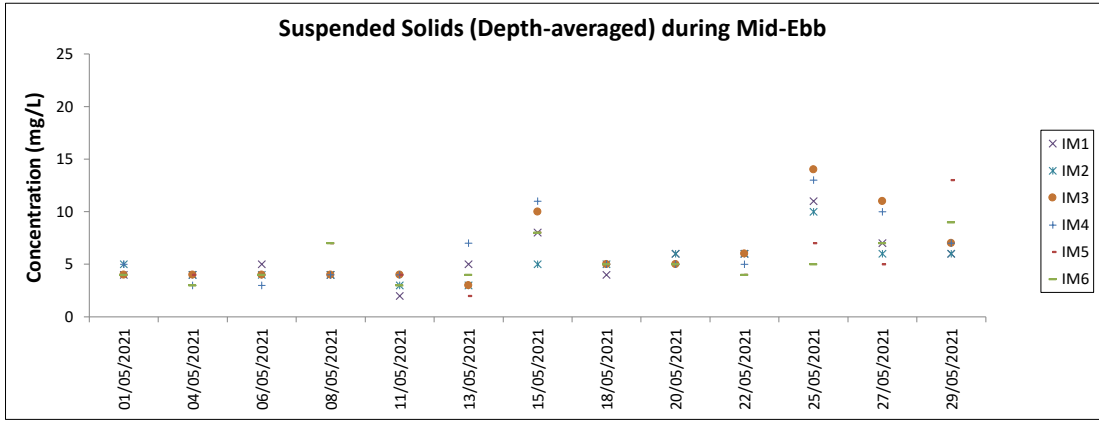
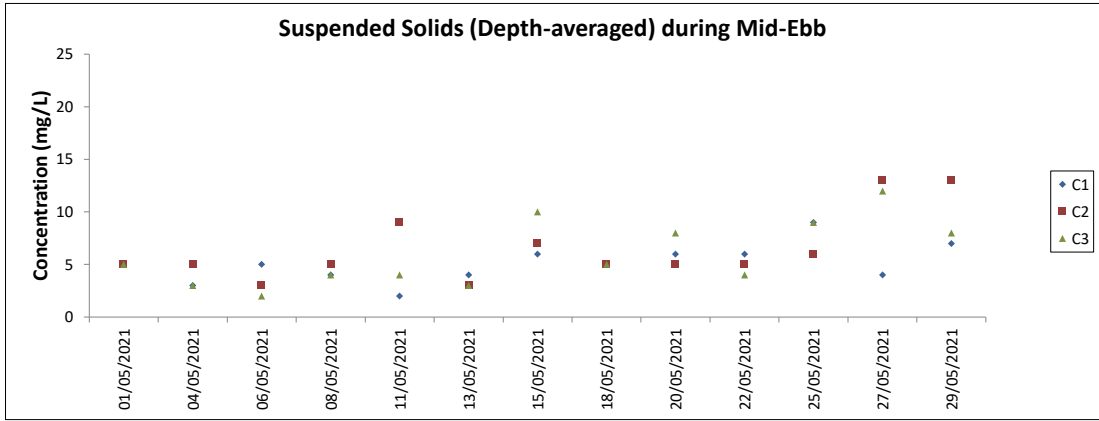




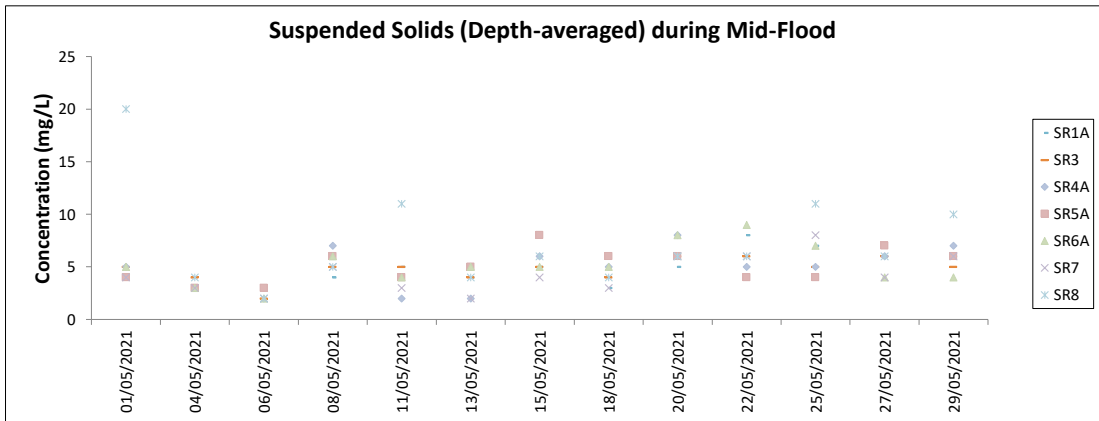
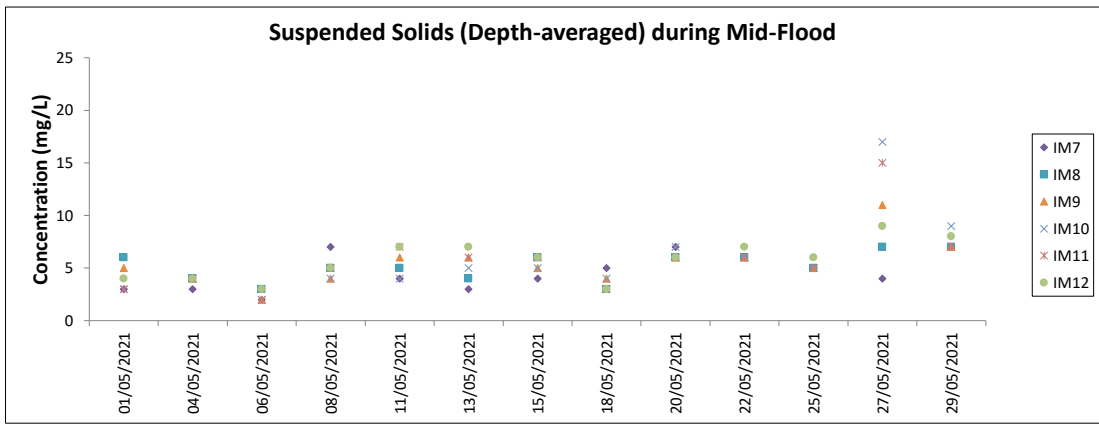
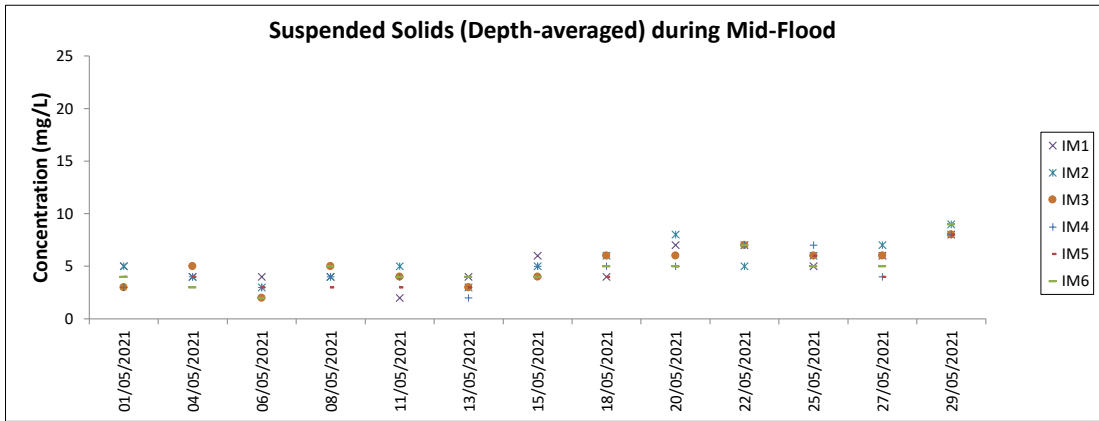
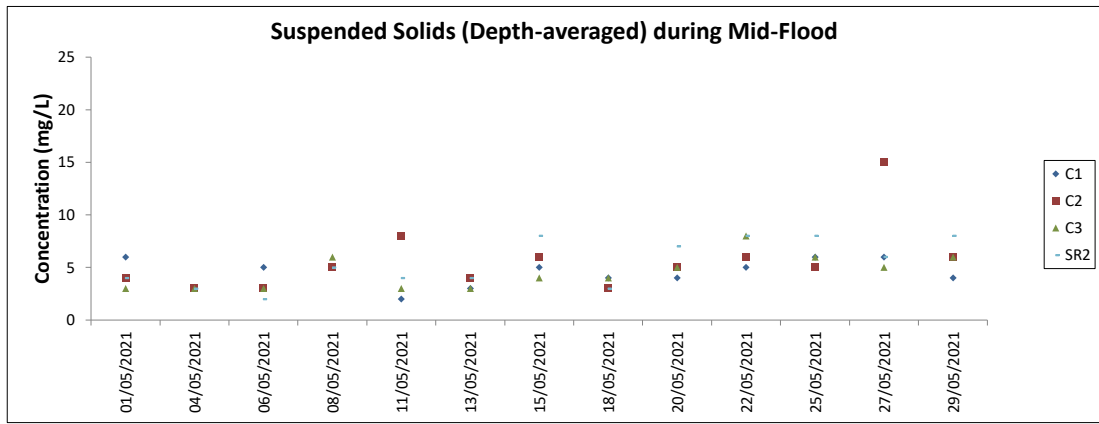
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



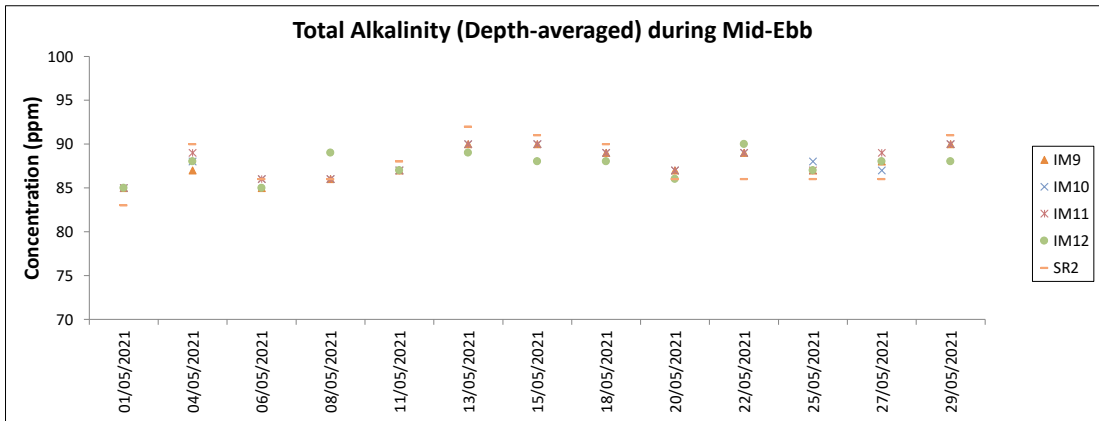
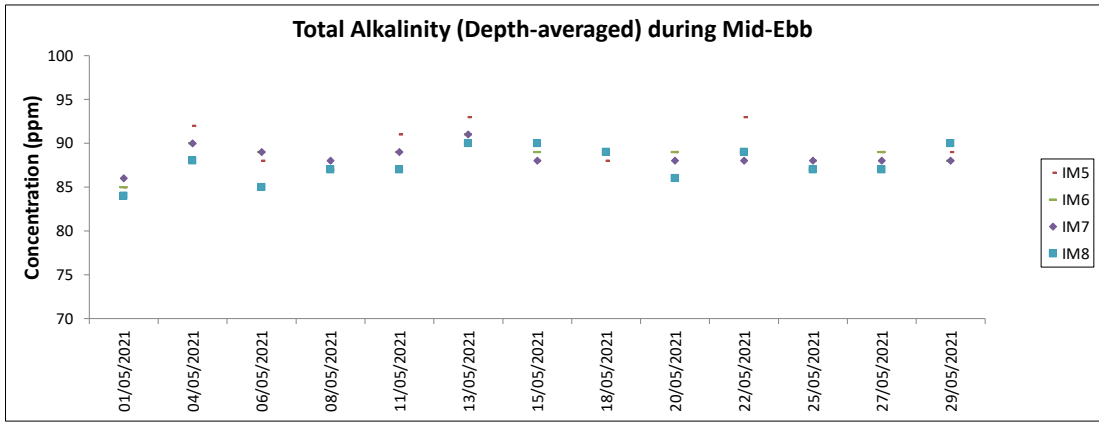
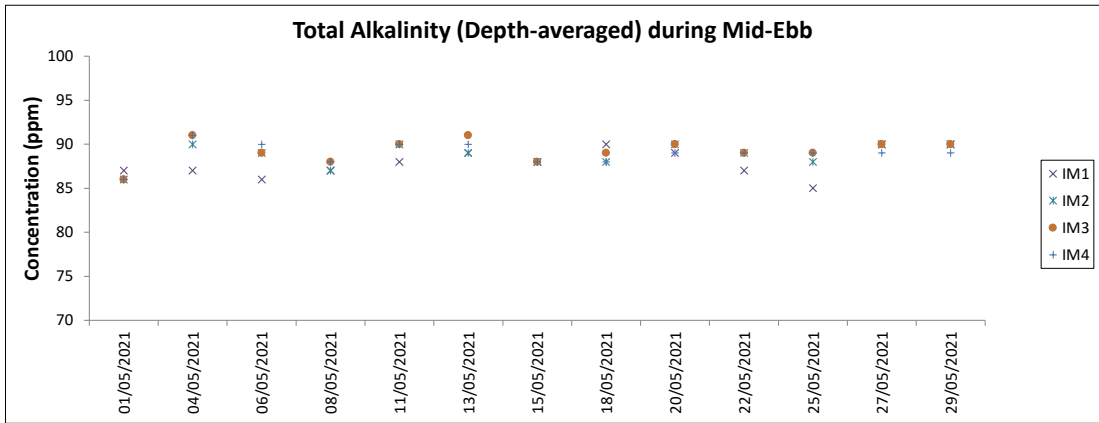
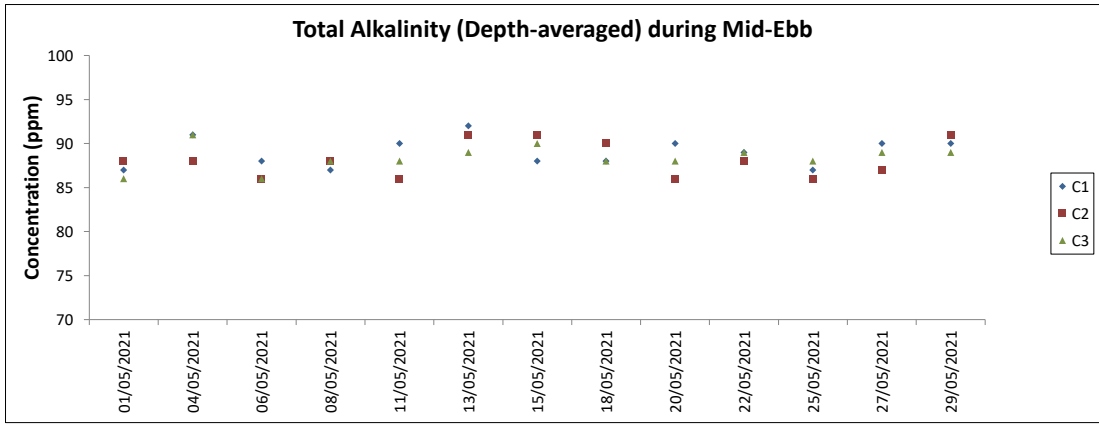
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



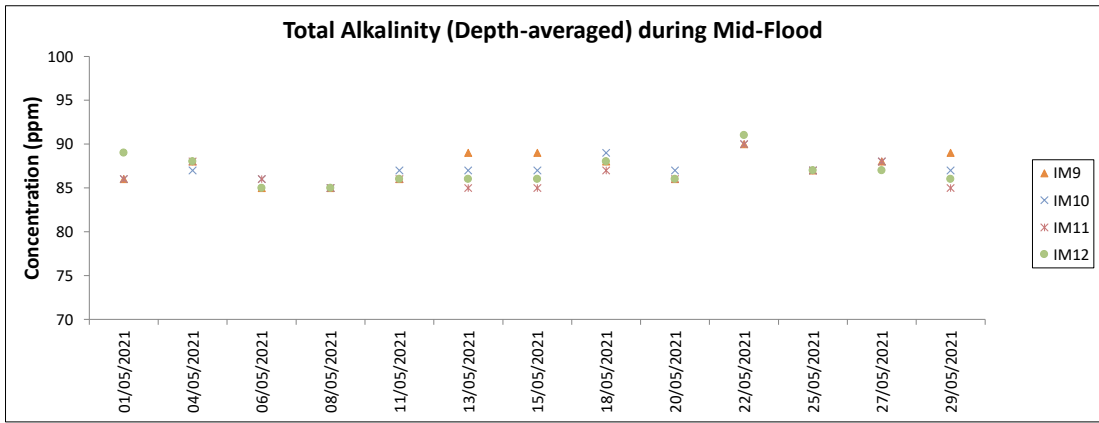
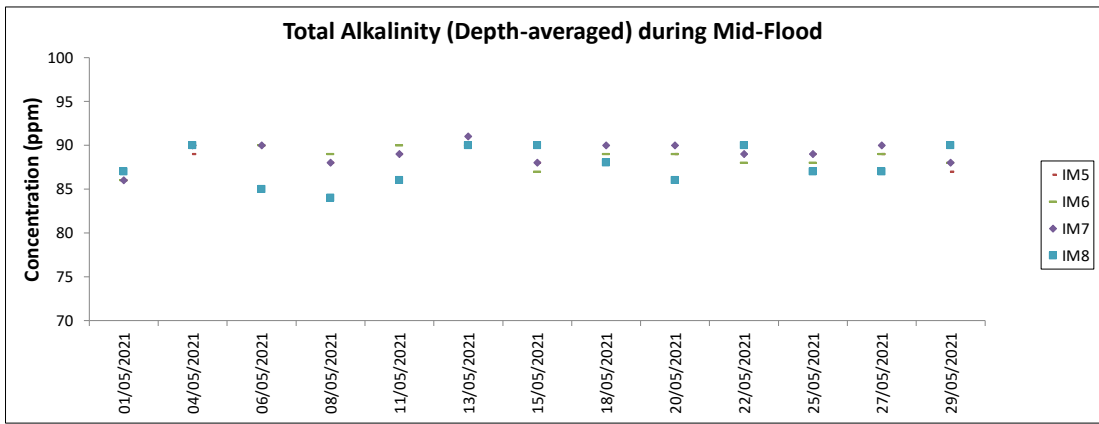
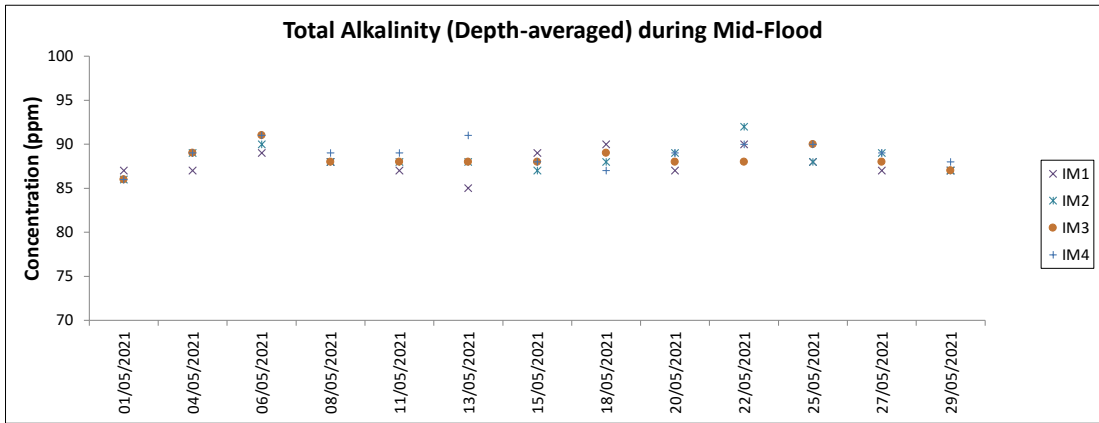
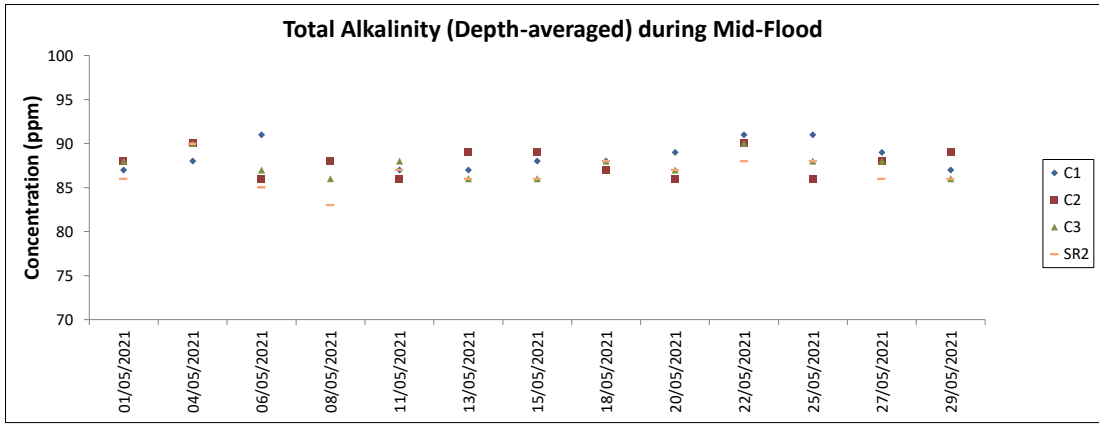
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



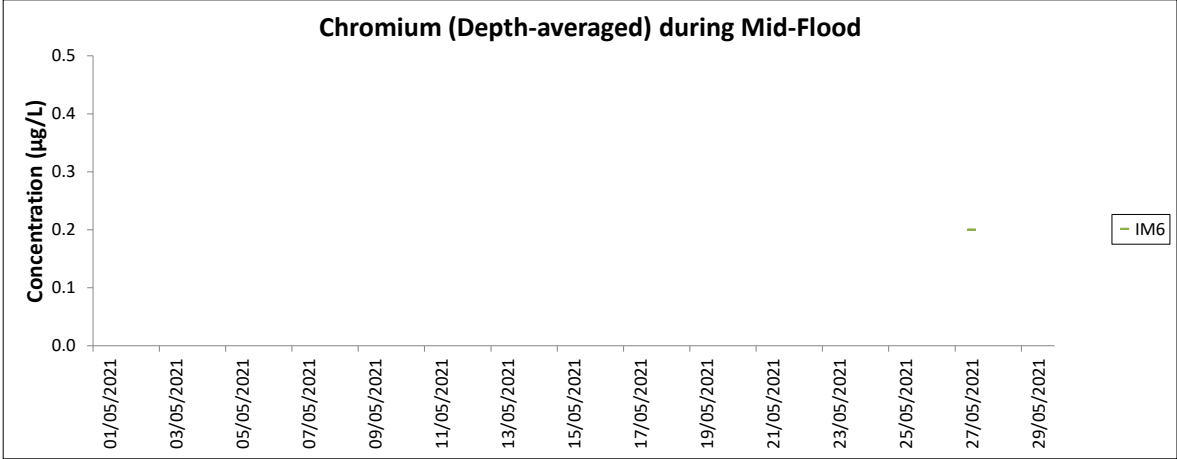
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



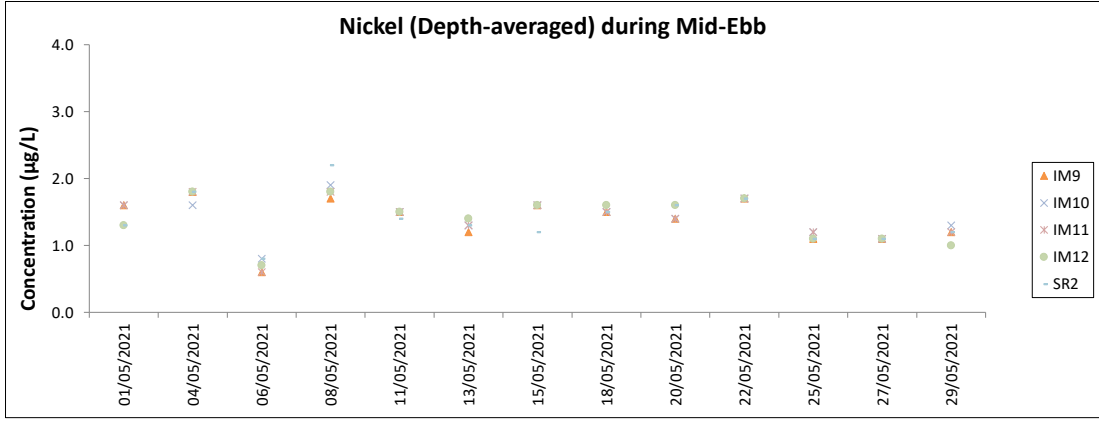
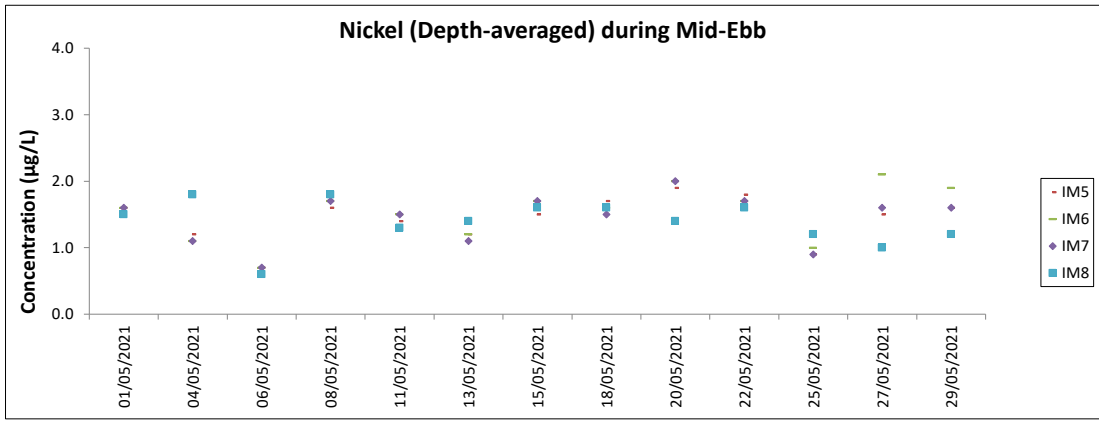
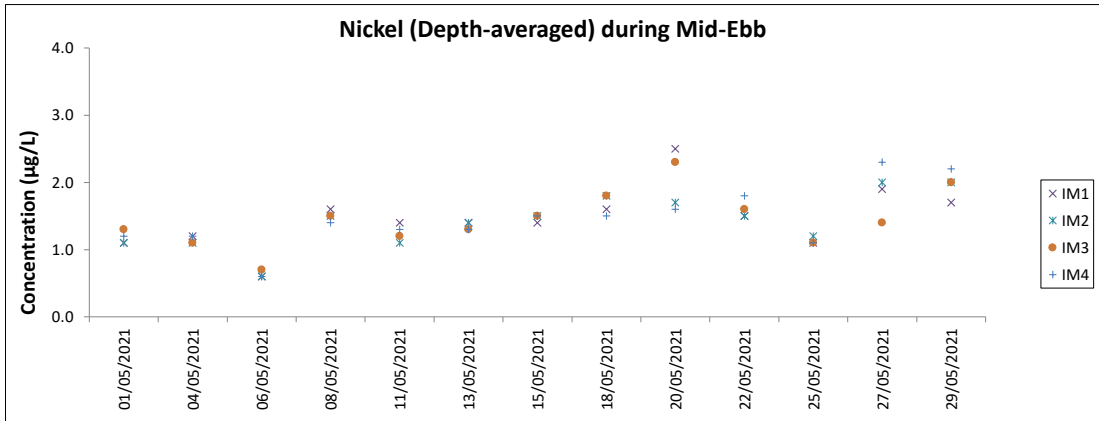
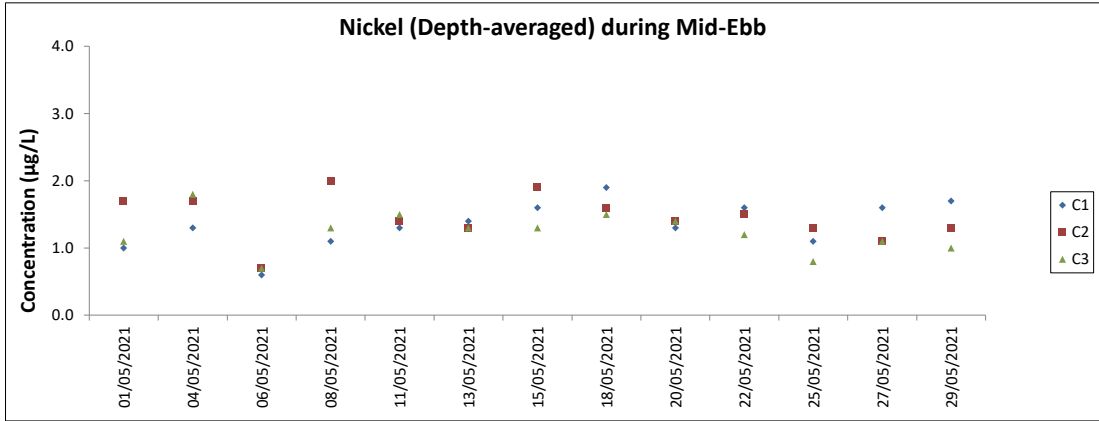
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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

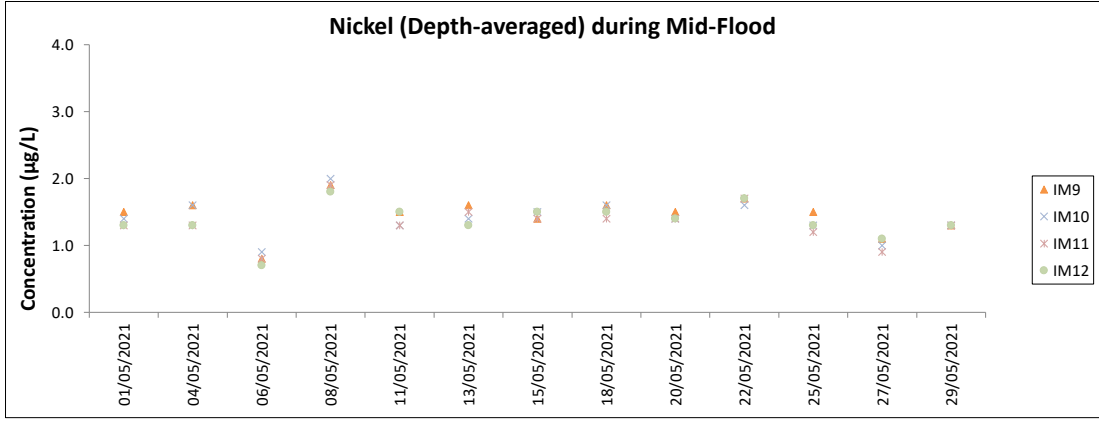
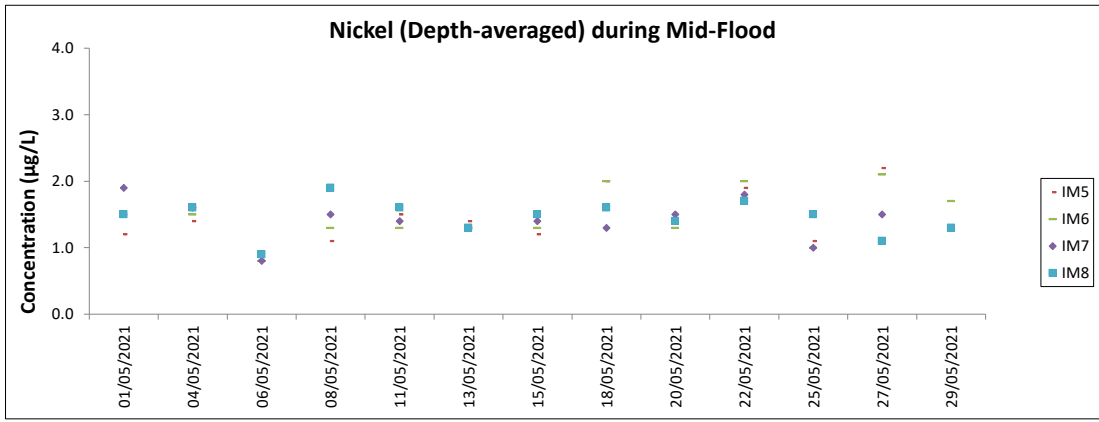
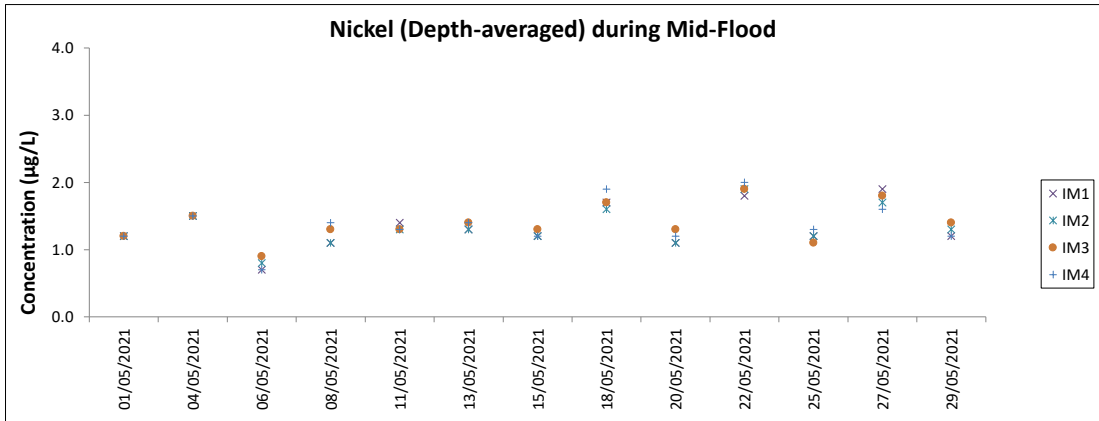
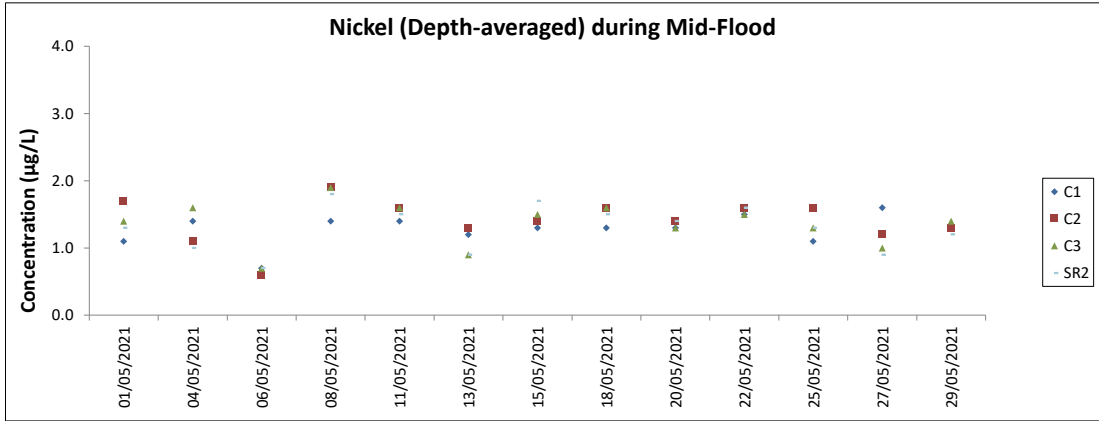


Note: The Action and Limit Level of chromium can be referred to Table 4.2 of the monthly EM&A report.  
All other chromium in the reporting period was below the reporting limit 0.2 µg/L.



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
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
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
7-Apr-21	NWL	2	5.840	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	45.160	SPRING	32166	3RS ET	P
7-Apr-21	NWL	4	12.900	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	8.800	SPRING	32166	3RS ET	S
7-Apr-21	NWL	4	2.600	SPRING	32166	3RS ET	S
12-Apr-21	AW	2	2.950	SPRING	32166	3RS ET	P
12-Apr-21	AW	3	1.920	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	14.085	SPRING	32166	3RS ET	P
12-Apr-21	WL	3	4.941	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	7.213	SPRING	32166	3RS ET	S
12-Apr-21	WL	3	2.029	SPRING	32166	3RS ET	S
12-Apr-21	WL	4	0.970	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Apr-21	SWL	1	1.810	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	43.686	SPRING	32166	3RS ET	P
13-Apr-21	SWL	3	7.090	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	13.349	SPRING	32166	3RS ET	S
13-Apr-21	SWL	3	2.280	SPRING	32166	3RS ET	S
14-Apr-21	NEL	3	37.080	SPRING	32166	3RS ET	P
14-Apr-21	NEL	3	9.920	SPRING	32166	3RS ET	S
15-Apr-21	NEL	3	29.770	SPRING	32166	3RS ET	P
15-Apr-21	NEL	4	7.400	SPRING	32166	3RS ET	P
15-Apr-21	NEL	3	7.730	SPRING	32166	3RS ET	S
15-Apr-21	NEL	4	2.100	SPRING	32166	3RS ET	S
19-Apr-21	NWL	3	24.300	SPRING	32166	3RS ET	P
19-Apr-21	NWL	4	33.330	SPRING	32166	3RS ET	P
19-Apr-21	NWL	5	6.370	SPRING	32166	3RS ET	P
19-Apr-21	NWL	3	5.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	4	2.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	5	3.000	SPRING	32166	3RS ET	S
20-Apr-21	AW	3	4.860	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.600	SPRING	32166	3RS ET	P
20-Apr-21	WL	3	18.466	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.100	SPRING	32166	3RS ET	S
20-Apr-21	WL	3	9.774	SPRING	32166	3RS ET	S
21-Apr-21	SWL	3	25.980	SPRING	32166	3RS ET	P
21-Apr-21	SWL	4	13.080	SPRING	32166	3RS ET	P
21-Apr-21	SWL	5	15.050	SPRING	32166	3RS ET	P
21-Apr-21	SWL	3	8.070	SPRING	32166	3RS ET	S
21-Apr-21	SWL	4	4.740	SPRING	32166	3RS ET	S
21-Apr-21	SWL	5	3.380	SPRING	32166	3RS ET	S
6-May-21	NEL	3	30.130	SPRING	32166	3RS ET	P
6-May-21	NEL	4	7.170	SPRING	32166	3RS ET	P
6-May-21	NEL	3	10.100	SPRING	32166	3RS ET	S
11-May-21	AW	3	4.870	SPRING	32166	3RS ET	P
11-May-21	WL	3	17.180	SPRING	32166	3RS ET	P
11-May-21	WL	4	3.240	SPRING	32166	3RS ET	P
11-May-21	WL	3	7.890	SPRING	32166	3RS ET	S
11-May-21	WL	4	1.970	SPRING	32166	3RS ET	S
20-May-21	NWL	3	41.600	SPRING	32166	3RS ET	P
20-May-21	NWL	4	22.100	SPRING	32166	3RS ET	P
20-May-21	NWL	3	6.000	SPRING	32166	3RS ET	S
20-May-21	NWL	4	5.400	SPRING	32166	3RS ET	S
21-May-21	NEL	2	0.669	SPRING	32166	3RS ET	P
21-May-21	NEL	3	36.410	SPRING	32166	3RS ET	P
21-May-21	NEL	2	0.941	SPRING	32166	3RS ET	S
21-May-21	NEL	3	8.580	SPRING	32166	3RS ET	S
25-May-21	SWL	1	4.200	SPRING	32166	3RS ET	P
25-May-21	SWL	2	26.979	SPRING	32166	3RS ET	P
25-May-21	SWL	3	20.210	SPRING	32166	3RS ET	P
25-May-21	SWL	4	1.310	SPRING	32166	3RS ET	P
25-May-21	SWL	1	3.900	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
25-May-21	SWL	2	5.088	SPRING	32166	3RS ET	S
25-May-21	SWL	3	6.580	SPRING	32166	3RS ET	S
26-May-21	SWL	1	1.240	SPRING	32166	3RS ET	P
26-May-21	SWL	2	18.494	SPRING	32166	3RS ET	P
26-May-21	SWL	3	27.800	SPRING	32166	3RS ET	P
26-May-21	SWL	4	6.000	SPRING	32166	3RS ET	P
26-May-21	SWL	2	3.830	SPRING	32166	3RS ET	S
26-May-21	SWL	3	9.860	SPRING	32166	3RS ET	S
26-May-21	SWL	4	1.330	SPRING	32166	3RS ET	S
27-May-21	NWL	2	8.010	SPRING	32166	3RS ET	P
27-May-21	NWL	3	37.990	SPRING	32166	3RS ET	P
27-May-21	NWL	4	18.800	SPRING	32166	3RS ET	P
27-May-21	NWL	3	8.600	SPRING	32166	3RS ET	S
27-May-21	NWL	4	2.300	SPRING	32166	3RS ET	S
28-May-21	AW	2	4.730	SPRING	32166	3RS ET	P
28-May-21	WL	2	2.400	SPRING	32166	3RS ET	P
28-May-21	WL	3	14.857	SPRING	32166	3RS ET	P
28-May-21	WL	4	2.016	SPRING	32166	3RS ET	P
28-May-21	WL	3	8.377	SPRING	32166	3RS ET	S
28-May-21	WL	4	1.220	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
8-Mar-21	1	0939	CWD	1	NWL	3	150	ON	3RS ET	22.4023	113.8702	SPRING	NONE	P
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
12-Apr-21	1	1047	CWD	2	WL	2	271	ON	3RS ET	22.2501	113.8423	SPRING	NONE	P
12-Apr-21	2	1130	CWD	4	WL	2	335	ON	3RS ET	22.2322	113.8306	SPRING	NONE	P
12-Apr-21	3	1140	CWD	2	WL	2	52	ON	3RS ET	22.2237	113.8375	SPRING	NONE	S
12-Apr-21	4	1206	CWD	7	WL	2	438	ON	3RS ET	22.2143	113.8293	SPRING	NONE	P
13-Apr-21	1	1050	FP	3	SWL	2	222	ON	3RS ET	22.1852	113.9374	SPRING	NONE	P
13-Apr-21	2	1055	FP	4	SWL	2	150	ON	3RS ET	22.1759	113.9373	SPRING	NONE	P
13-Apr-21	3	1100	FP	3	SWL	2	14	ON	3RS ET	22.1700	113.9372	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
13-Apr-21	4	1214	FP	1	SWL	2	419	ON	3RS ET	22.1414	113.9163	SPRING	NONE	S
13-Apr-21	5	1349	FP	3	SWL	2	413	ON	3RS ET	22.1900	113.8887	SPRING	NONE	P
13-Apr-21	6	1450	CWD	3	SWL	3	125	ON	3RS ET	22.1923	113.8691	SPRING	PURSE SEINER	P
13-Apr-21	7	1536	CWD	3	SWL	3	322	ON	3RS ET	22.1893	113.8491	SPRING	PURSE SEINER	P
20-Apr-21	1	1204	CWD	2	WL	3	155	ON	3RS ET	22.1910	113.8417	SPRING	PURSE SEINER	S
21-Apr-21	1	1152	FP	4	SWL	5	132	ON	3RS ET	22.1602	113.9181	SPRING	NONE	P
11-May-21	1	1043	CWD	2	WL	3	74	ON	3RS ET	22.2643	113.8571	SPRING	NONE	S
25-May-21	1	1105	FP	2	SWL	2	16	ON	3RS ET	22.1593	113.9280	SPRING	NONE	P
25-May-21	2	1109	FP	2	SWL	2	17	ON	3RS ET	22.1634	113.9279	SPRING	NONE	P
25-May-21	3	1252	CWD	1	SWL	2	256	ON	3RS ET	22.2042	113.8973	SPRING	NONE	P
25-May-21	4	1438	CWD	6	SWL	3	1	ON	3RS ET	22.1713	113.8681	SPRING	NONE	P
25-May-21	5	1521	CWD	1	SWL	2	129	ON	3RS ET	22.2000	113.8684	SPRING	NONE	P
25-May-21	6	1540	CWD	3	SWL	2	71	ON	3RS ET	22.1914	113.8587	SPRING	NONE	P
25-May-21	7	1610	CWD	3	SWL	2	1	ON	3RS ET	22.1813	113.8594	SPRING	NONE	P
25-May-21	8	1634	CWD	1	SWL	3	461	ON	3RS ET	22.1832	113.8495	SPRING	NONE	P
26-May-21	1	1357	CWD	2	SWL	3	199	ON	3RS ET	22.1911	113.8790	SPRING	NONE	P
26-May-21	2	1437	CWD	3	SWL	3	137	ON	3RS ET	22.1684	113.8685	SPRING	NONE	P
26-May-21	3	1504	CWD	6	SWL	2	631	ON	3RS ET	22.1958	113.8699	SPRING	NONE	P
28-May-21	1	1030	CWD	1	WL	3	651	ON	3RS ET	22.2693	113.8574	SPRING	NONE	P
28-May-21	2	1144	CWD	2	WL	4	240	ON	3RS ET	22.2142	113.8292	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 377.515 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 11 on-effort sightings and total number of 29 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in May 2021 are shown as below:

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

$$STG = \frac{7}{377.515} \times 100 = 2.91$$

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

$$ANI = \frac{29}{377.515} \times 100 = 7.68$$

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

A total of 1130.012 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 26 on-effort sightings and total number of 70 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)

$$STG = \frac{26}{1130.012} \times 100 = 2.30$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{70}{1130.012} \times 100 = 6.19$$



CWD Small Vessel Line-transect Survey

Photo Identification



WLMM061\_20210511\_1\_8



WLMM027\_20210525\_3\_9



SLMM010\_20210525\_4\_7



SLMM049\_20210525\_4\_2



WLMM007\_20210525\_4\_3



SLMM030\_20210525\_5\_10



SLMM003\_20210525\_6\_3



SLMM034\_20210525\_6\_4



SLMM037\_20210525\_6\_4



SLMM052\_20210525\_6\_4



WLMM004\_20210525\_7\_5



WLMM018\_20210525\_7\_2



WLMM063\_20210525\_7\_6



NLMM061\_20210526\_2\_7



WLMM065\_20210526\_2\_2



WLMM004\_20210526\_3\_1



WLMM063\_20210526\_3\_1



WLMM079\_20210526\_3\_1



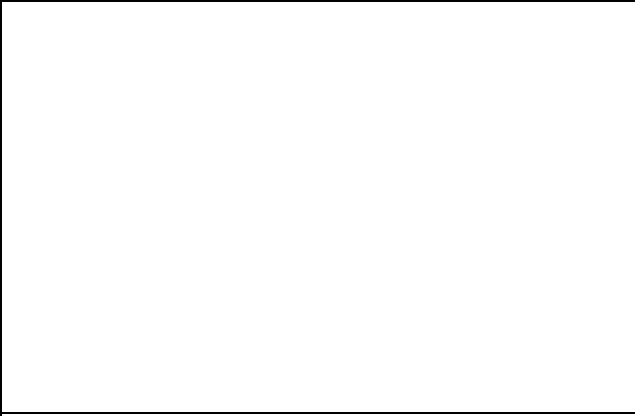
WLMM135\_20210526\_3\_1



SLMM045\_20210528\_1\_5



SLMM010\_20210528\_2\_5



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

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
13/May/21	Sha Chau	10:44	16:44	6:00	2	1	0	-
25/May/21	Lung Kwu Chau	9:20	15:20	6:00	2	1-4	0	-

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