

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

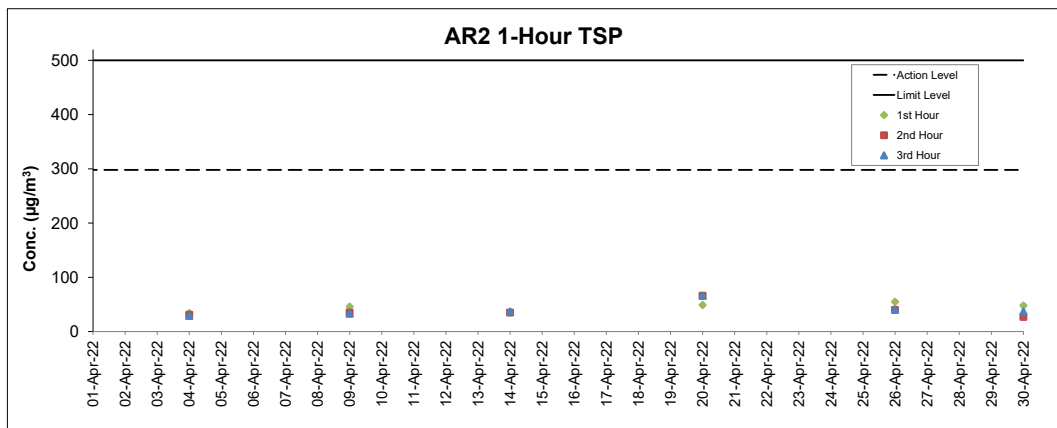
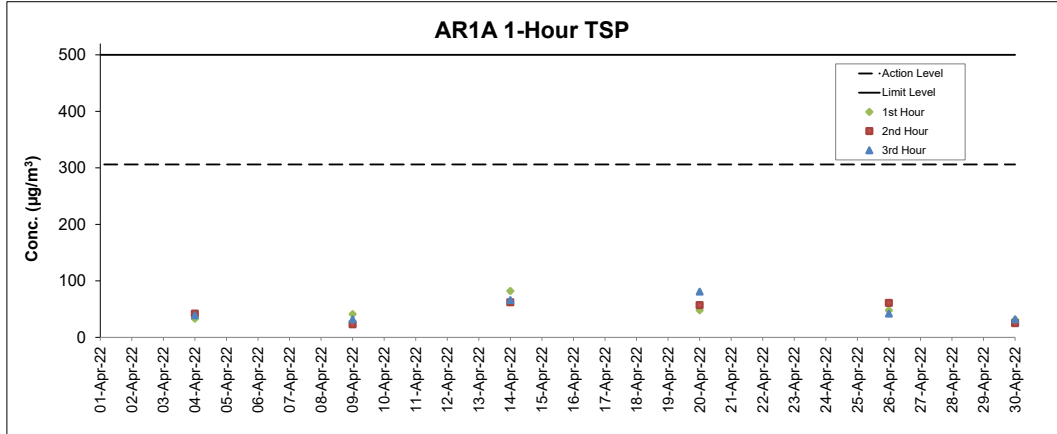
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
04-Apr-22	11:54	Sunny	2.2	42	33	306	500
04-Apr-22	12:54	Sunny	5.0	258	42	306	500
04-Apr-22	13:54	Sunny	4.7	260	39	306	500
09-Apr-22	10:13	Sunny	3.3	112	41	306	500
09-Apr-22	11:13	Sunny	4.2	247	23	306	500
09-Apr-22	12:13	Sunny	4.7	275	32	306	500
14-Apr-22	13:36	Sunny	4.4	286	82	306	500
14-Apr-22	14:36	Sunny	5.0	305	62	306	500
14-Apr-22	15:36	Sunny	3.6	305	66	306	500
20-Apr-22	11:39	Fine	3.3	56	48	306	500
20-Apr-22	12:39	Fine	4.2	36	57	306	500
20-Apr-22	13:39	Fine	3.3	257	81	306	500
26-Apr-22	9:17	Sunny	2.8	166	48	306	500
26-Apr-22	10:17	Sunny	3.3	183	61	306	500
26-Apr-22	11:17	Sunny	3.9	162	42	306	500
30-Apr-22	8:51	Fine	7.2	101	31	306	500
30-Apr-22	9:51	Fine	7.8	100	25	306	500
30-Apr-22	10:51	Fine	8.3	101	32	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 ( $\mu\text{g}/\text{m}^3$ )
04-Apr-22	8:15	Sunny	4.2	93	34	298	500
04-Apr-22	9:15	Sunny	4.2	43	31	298	500
04-Apr-22	10:15	Sunny	3.1	326	29	298	500
09-Apr-22	14:10	Sunny	4.4	262	46	298	500
09-Apr-22	15:10	Sunny	4.2	250	35	298	500
09-Apr-22	16:10	Sunny	2.2	257	33	298	500
14-Apr-22	7:55	Sunny	3.3	318	36	298	500
14-Apr-22	8:55	Sunny	3.3	330	35	298	500
14-Apr-22	9:55	Sunny	4.2	304	37	298	500
20-Apr-22	8:05	Fine	1.7	3	49	298	500
20-Apr-22	9:05	Fine	1.7	38	66	298	500
20-Apr-22	10:05	Fine	2.5	109	66	298	500
26-Apr-22	13:37	Sunny	4.7	191	55	298	500
26-Apr-22	14:37	Sunny	5.0	209	40	298	500
26-Apr-22	15:37	Sunny	4.4	185	41	298	500
30-Apr-22	13:22	Sunny	7.8	98	48	298	500
30-Apr-22	14:22	Sunny	8.3	85	27	298	500
30-Apr-22	15:22	Sunny	8.9	90	37	298	500



**Notes**

- 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.

## Noise Monitoring Results

### Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
04-Apr-22	Sunny	11:56	55.8	47.6	56
04-Apr-22	Sunny	12:01	54.2	47.6	
04-Apr-22	Sunny	12:06	54.4	47.6	
04-Apr-22	Sunny	12:11	56.2	48.1	
04-Apr-22	Sunny	12:16	58.0	47.9	
04-Apr-22	Sunny	12:21	56.6	48.0	
14-Apr-22	Sunny	13:42	57.7	52.5	59
14-Apr-22	Sunny	13:47	56.6	51.8	
14-Apr-22	Sunny	13:52	60.2	51.8	
14-Apr-22	Sunny	13:57	56.5	50.8	
14-Apr-22	Sunny	14:02	58.5	50.3	
14-Apr-22	Sunny	14:07	57.4	51.3	
20-Apr-22	Fine	11:41	57.2	49.7	59
20-Apr-22	Fine	11:46	57.7	51.7	
20-Apr-22	Fine	11:51	63.7	50.3	
20-Apr-22	Fine	11:56	56.7	50.6	
20-Apr-22	Fine	12:01	57.2	50.4	
20-Apr-22	Fine	12:06	58.1	51.2	
26-Apr-22	Sunny	11:54	67.3	54.5	63
26-Apr-22	Sunny	11:59	57.3	51.5	
26-Apr-22	Sunny	12:04	59.7	52.3	
26-Apr-22	Sunny	12:09	58.0	51.5	
26-Apr-22	Sunny	12:14	56.9	50.7	
26-Apr-22	Sunny	12:19	62.7	52.3	

Remarks:

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

### Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
07-Apr-22	Sunny	11:00	64.8	55.2	63
07-Apr-22	Sunny	11:05	61.8	54.7	
07-Apr-22	Sunny	11:10	61.0	54.4	
07-Apr-22	Sunny	11:15	60.8	54.1	
07-Apr-22	Sunny	11:20	60.7	54.8	
07-Apr-22	Sunny	11:25	61.9	54.4	
11-Apr-22	Sunny	13:56	60.3	55.1	62
11-Apr-22	Sunny	14:01	59.1	54.8	
11-Apr-22	Sunny	14:06	58.6	54.8	
11-Apr-22	Sunny	14:11	63.8	54.6	
11-Apr-22	Sunny	14:16	64.4	55.0	
11-Apr-22	Sunny	14:21	62.6	54.3	
21-Apr-22	Sunny	13:33	60.0	54.6	61
21-Apr-22	Sunny	13:38	61.2	54.6	
21-Apr-22	Sunny	13:43	59.1	53.9	
21-Apr-22	Sunny	13:48	60.0	55.4	
21-Apr-22	Sunny	13:53	60.2	55.6	
21-Apr-22	Sunny	13:58	60.3	54.8	
25-Apr-22	Sunny	13:33	59.0	54.1	60
25-Apr-22	Sunny	13:38	58.2	54.0	
25-Apr-22	Sunny	13:43	58.5	53.7	
25-Apr-22	Sunny	13:48	60.4	53.3	
25-Apr-22	Sunny	13:53	59.3	56.7	
25-Apr-22	Sunny	13:58	60.2	56.2	

Remarks:

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

## Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
04-Apr-22	Sunny	08:29	61.7	46.2	58
04-Apr-22	Sunny	08:34	52.7	46.2	
04-Apr-22	Sunny	08:39	52.6	47.2	
04-Apr-22	Sunny	08:44	52.8	47.3	
04-Apr-22	Sunny	08:49	54.0	46.9	
04-Apr-22	Sunny	08:54	54.8	45.8	
14-Apr-22	Sunny	07:58	56.0	44.7	54
14-Apr-22	Sunny	08:03	55.0	45.6	
14-Apr-22	Sunny	08:08	50.0	45.9	
14-Apr-22	Sunny	08:13	53.5	47.2	
14-Apr-22	Sunny	08:18	52.3	46.1	
14-Apr-22	Sunny	08:23	50.4	46.8	
20-Apr-22	Fine	08:08	53.3	43.6	53
20-Apr-22	Fine	08:13	51.9	44.5	
20-Apr-22	Fine	08:18	49.0	43.3	
20-Apr-22	Fine	08:23	53.5	45.4	
20-Apr-22	Fine	08:28	54.8	45.1	
20-Apr-22	Fine	08:33	54.2	45.3	
26-Apr-22	Sunny	14:35	47.5	43.5	55
26-Apr-22	Sunny	14:40	50.7	44.3	
26-Apr-22	Sunny	14:45	50.1	45.3	
26-Apr-22	Sunny	14:50	49.9	44.4	
26-Apr-22	Sunny	14:55	63.6	44.2	
26-Apr-22	Sunny	15:00	49.3	44.1	

Remarks:

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

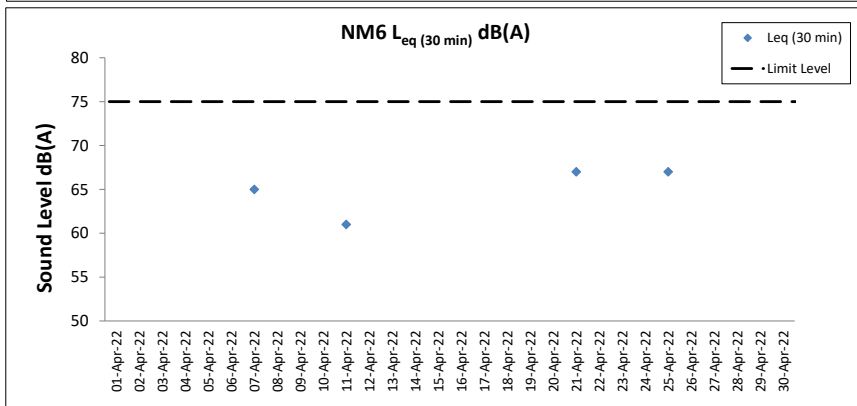
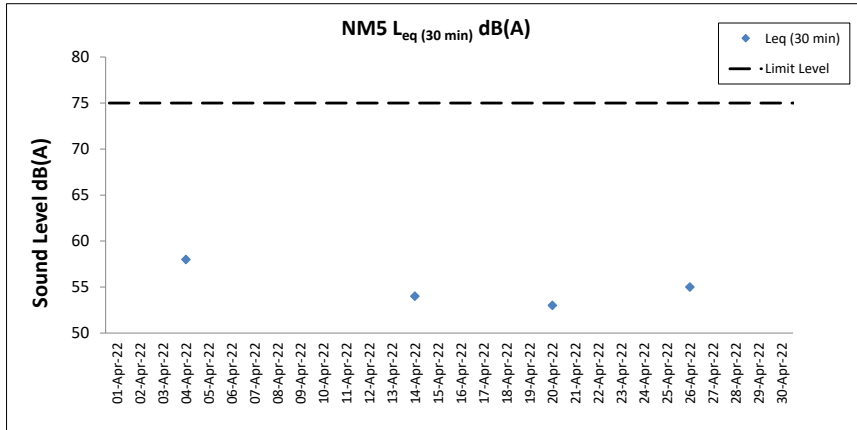
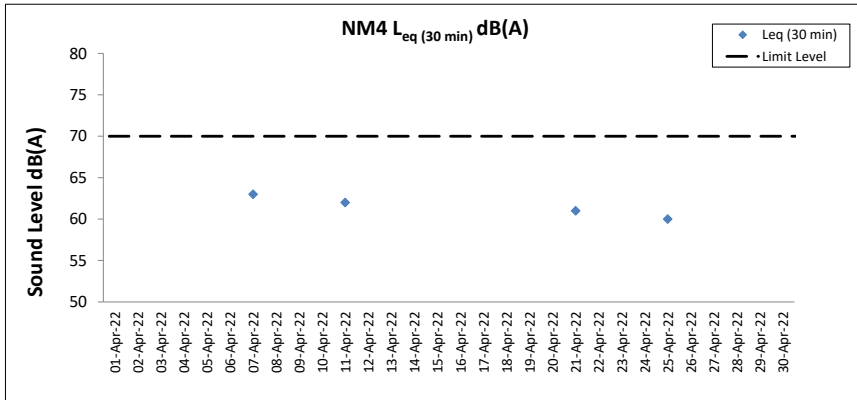
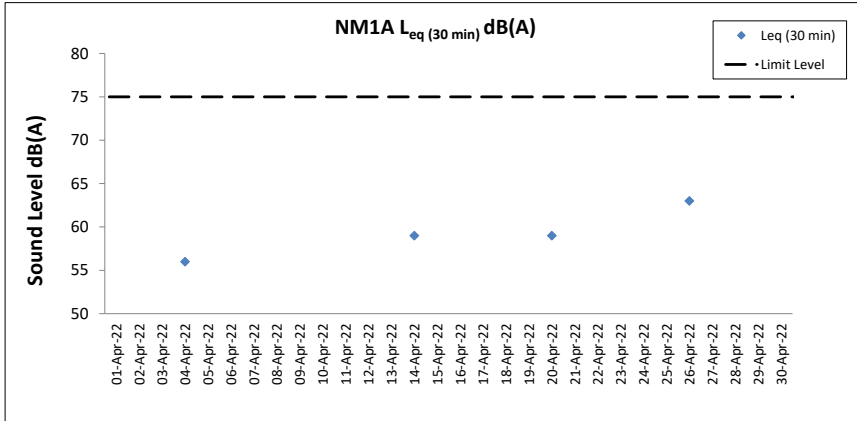
## Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>50</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
07-Apr-22	Sunny	09:42	65.8	55.4	65
07-Apr-22	Sunny	09:47	65.2	53.0	
07-Apr-22	Sunny	09:52	59.7	54.2	
07-Apr-22	Sunny	09:57	60.6	53.2	
07-Apr-22	Sunny	10:02	61.7	53.3	
07-Apr-22	Sunny	10:07	69.8	56.4	
11-Apr-22	Sunny	15:40	53.8	46.7	61
11-Apr-22	Sunny	15:45	52.6	44.3	
11-Apr-22	Sunny	15:50	54.2	45.2	
11-Apr-22	Sunny	15:55	54.5	46.0	
11-Apr-22	Sunny	16:00	56.3	45.6	
11-Apr-22	Sunny	16:05	58.8	48.2	
21-Apr-22	Sunny	15:40	51.8	45.6	67
21-Apr-22	Sunny	15:45	57.2	44.9	
21-Apr-22	Sunny	15:50	55.4	44.4	
21-Apr-22	Sunny	15:55	74.7	46.2	
21-Apr-22	Sunny	16:00	62.1	47.3	
21-Apr-22	Sunny	16:05	55.5	45.6	
25-Apr-22	Sunny	15:41	61.7	48.4	67
25-Apr-22	Sunny	15:46	49.9	44.1	
25-Apr-22	Sunny	15:51	52.7	45.3	
25-Apr-22	Sunny	15:56	71.4	47.1	
25-Apr-22	Sunny	16:01	60.9	49.7	
25-Apr-22	Sunny	16:06	71.6	48.4	

Remarks:

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



**Notes**

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

## **Water Quality Monitoring Results**



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

**Water Quality Monitoring Results on 02 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
C1	Cloudy	Moderate	13:06	8.5	Surface	1.0	0.1	188	20.0	20.0	8.1	8.1	28.5	28.5	87.3	87.3	6.7	6.7	7.5	8	8	46	48	815608	804246	<0.2	<0.2	0.7	0.8				
						1.0	0.1	186	20.0	8.1	8.1	28.6	28.6	87.2	87.2	6.7	6.7	7.5	8	8	46	48	815608	804246	<0.2	<0.2	0.7	0.8					
						4.3	0.1	190	19.9	8.1	8.1	29.4	29.4	86.2	86.2	6.6	6.6	9.1	8	8	49	48	815608	804246	<0.2	<0.2	0.7	0.8					
						4.3	0.0	194	19.9	8.1	8.1	29.4	29.4	86.2	86.2	6.6	6.6	9.4	8	8	48	48	815608	804246	<0.2	<0.2	0.7	0.8					
					Middle	7.5	0.1	192	20.0	8.1	8.1	29.8	29.8	86.7	86.7	6.6	6.6	9.4	8	8	50	48	815608	804246	<0.2	<0.2	0.7	0.8					
						7.5	0.1	197	20.0	8.1	8.1	29.8	29.8	86.8	86.8	6.6	6.6	9.4	8	8	51	48	815608	804246	<0.2	<0.2	0.7	0.8					
C2	Cloudy	Moderate	12:17	11.8	Surface	1.0	0.0	32	20.2	20.2	8.0	8.0	27.7	27.7	82.6	82.6	6.4	6.4	9.7	9	9	43	47	825687	806942	<0.2	<0.2	0.7	0.7				
						1.0	0.1	30	20.2	8.0	8.0	27.7	27.7	82.6	82.6	6.4	6.4	10.0	8	8	43	47	825687	806942	<0.2	<0.2	0.7	0.7					
						5.9	0.0	29	20.1	8.1	8.1	28.4	28.5	83.2	83.2	6.4	6.4	11.0	8	9	48	48	825687	806942	<0.2	<0.2	0.7	0.7					
						5.9	0.1	26	20.1	8.1	8.1	28.5	28.5	83.2	83.2	6.4	6.4	11.6	8	9	48	48	825687	806942	<0.2	<0.2	0.7	0.7					
					Middle	10.8	0.1	21	20.1	8.1	8.1	28.5	28.5	83.5	83.5	6.4	6.4	3.6	8	8	51	48	825687	806942	<0.2	<0.2	0.8	0.8					
						10.8	0.1	16	20.1	8.1	8.1	28.5	28.5	83.6	83.6	6.4	6.4	3.5	8	9	51	48	825687	806942	<0.2	<0.2	0.8	0.7					
C3	Cloudy	Rough	13:36	12.1	Surface	1.0	0.4	67	19.6	19.6	8.0	8.0	29.6	29.6	88.8	88.8	6.8	6.8	1.8	8	8	43	47	822127	817786	<0.2	<0.2	0.7	0.7				
						1.0	0.4	71	19.6	8.0	8.0	29.6	29.6	88.8	88.8	6.8	6.8	1.8	8	8	44	47	822127	817786	<0.2	<0.2	0.7	0.7					
						6.1	0.4	60	19.8	8.0	8.0	30.4	30.4	86.4	86.4	6.6	6.6	4.5	8	8	47	47	822127	817786	<0.2	<0.2	0.8	0.8					
						6.1	0.4	55	19.8	8.0	8.0	30.4	30.4	86.4	86.4	6.6	6.6	4.4	8	8	47	47	822127	817786	<0.2	<0.2	0.8	0.8					
					Middle	11.1	0.4	77	19.7	8.0	8.0	30.5	30.5	86.9	86.9	6.6	6.6	5.7	8	8	51	48	822127	817786	<0.2	<0.2	0.8	0.8					
						11.1	0.4	71	19.7	8.0	8.0	30.5	30.5	87.0	87.0	6.6	6.6	5.7	8	9	51	48	822127	817786	<0.2	<0.2	0.8	0.8					
IM1	Cloudy	Moderate	12:56	6.6	Surface	1.0	0.1	149	20.0	20.0	8.0	8.0	29.0	29.0	89.1	89.1	6.9	6.9	9.4	9	9	45	48	818367	806455	<0.2	<0.2	0.8	0.8				
						1.0	0.0	148	20.0	8.0	8.0	29.1	29.0	89.0	89.0	6.8	6.8	10.0	8	8	46	47	818367	806455	<0.2	<0.2	0.7	0.7					
						3.3	0.1	139	19.8	8.0	8.0	29.3	29.3	85.4	85.5	6.6	6.6	9.9	8	8	47	47	818367	806455	<0.2	<0.2	0.7	0.7					
						3.3	0.1	145	19.8	8.0	8.0	29.3	29.3	85.5	85.5	6.6	6.6	10.0	8	8	48	47	818367	806455	<0.2	<0.2	0.7	0.7					
					Middle	5.6	0.0	158	19.8	8.0	8.0	29.4	29.3	86.6	86.7	6.7	6.7	8.6	8	8	49	48	818367	806455	<0.2	<0.2	0.8	0.8					
						5.6	0.0	157	19.8	8.0	8.0	29.3	29.3	86.7	86.7	6.7	6.7	8.6	8	9	50	48	818367	806455	<0.2	<0.2	0.8	0.8					
IM2	Cloudy	Moderate	12:51	7.2	Surface	1.0	0.0	76	20.0	20.0	8.0	8.0	29.0	29.0	85.6	85.5	6.6	6.6	8.6	9	8	46	48	819164	806218	<0.2	<0.2	0.7	0.6				
						1.0	0.0	82	20.0	8.0	8.0	29.1	29.0	85.4	85.4	6.6	6.6	8.5	8	8	46	48	819164	806218	<0.2	<0.2	0.7	0.6					
						3.6	0.0	82	19.9	8.0	8.0	29.3	29.3	84.9	84.9	6.5	6.5	10.6	8	8	48	48	819164	806218	<0.2	<0.2	0.7	0.7					
						3.6	0.0	79	19.9	8.0	8.0	29.3	29.3	84.9	84.9	6.5	6.5	10.6	7	7	49	49	819164	806218	<0.2	<0.2	0.7	0.7					
					Middle	6.2	0.1	88	19.8	8.1	8.1	29.6	29.7	85.6	85.7	6.6	6.6	7.6	8	8	50	48	819164	806218	<0.2	<0.2	0.8	0.8					
						6.2	0.1	90	19.8	8.1	8.1	29.7	29.7	85.7	85.7	6.6	6.6	7.5	7	7	51	48	819164	806218	<0.2	<0.2	0.8	0.7					
IM7	Cloudy	Moderate	12:34	7.8	Surface	1.0	0.2	79	20.3	20.3	8.0	8.0	26.5	26.5	84.1	84.1	6.5	6.5	7.6	8	8	46	48	821337	806819	<0.2	<0.2	0.8	0.8				
						1.0	0.2	73	20.2	8.0	8.0	26.5	26.5	84.1	84.1	6.5	6.5	7.6	8	8	47	47	821337	806819	<0.2	<0.2	0.8	0.8					
						3.9	0.2	74	20.0	8.0	8.0	28.8	28.8	85.0	85.0	6.5	6.5	8.7	8	8	47	47	821337	806819	<0.2	<0.2	0.8	0.8					
						3.9	0.2	75	20.0	8.0	8.0	28.8	28.8	85.0	85.0	6.5	6.5	8.3	8	8	48	48	821337	806819	<0.2	<0.2	0.8	0.8					
					Middle	6.8	0.2	85	20.0	8.0	8.0	28.8	28.8	85.5	85.5	6.6	6.6	7.3	8	8	50	48	821337	806819	<0.2	<0.2	0.7	0.7					
						6.8	0.2	77	20.0	8.0	8.0	28.8	28.8	85.7	85.7	6.6	6.6	7.9	8	8	50	48	821337	806819	<0.2	<0.2	0.7	0.7					

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 02 April 22 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		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							
IM10	Rainy	Rough	12:16	9.8	Surface	1.0	0.1	55	20.0	20.0	8.0	8.0	28.2	28.2	88.1	88.2	6.8	6.8	5.8	8	8	40	40	46	822241	809836	<0.2	0.8	0.8	0.8							
						1.0	0.1	56	20.0	20.0	8.0	8.0	28.2	28.2	88.2	88.2	6.8	6.8	5.8	8	8	40	40	40	40	46	822241	809836	<0.2	0.8	0.8	0.8					
						4.9	0.1	60	20.0	20.0	8.0	8.0	28.2	28.2	87.5	87.5	6.7	6.7	6.2	6.4	8	8	47	47	46	822241	809836	<0.2	0.8	0.8	0.8						
					Middle	4.9	0.0	61	20.0	20.0	8.0	8.0	28.2	28.2	87.5	87.5	6.7	6.7	6.2	6.4	8	8	47	47	46	822241	809836	<0.2	0.8	0.8	0.8	0.8					
						8.8	0.1	60	20.0	20.0	8.0	8.0	28.2	28.2	87.4	87.4	6.7	6.7	7.0	6.7	9	9	51	51	46	822241	809836	<0.2	0.8	0.8	0.8	0.8					
						8.8	0.0	59	20.0	20.0	8.0	8.0	28.2	28.2	87.4	87.4	6.7	6.7	7.1	6.7	9	9	51	51	46	822241	809836	<0.2	0.8	0.8	0.8	0.8					
					IM11	Rainy	Rough	12:21	9.4	Surface	1.0	0.2	78	20.0	20.0	8.0	8.0	28.3	28.3	88.2	88.2	6.8	6.8	9.3	10	43	43	48	821483	810564	<0.2	0.8	0.8	0.8	0.8		
											1.0	0.2	82	20.0	20.0	8.0	8.0	28.3	28.3	88.2	88.2	6.8	6.8	9.4	8.1	11	9	44	44	48	821483	810564	<0.2	0.8	0.8	0.8	0.8
											4.7	0.1	78	20.0	20.0	8.0	8.0	28.3	28.3	87.2	87.2	6.7	6.7	7.0	6.7	8	9	47	47	48	821483	810564	<0.2	0.8	0.8	0.8	0.8
Middle	4.7	0.1	82	20.0						20.0	8.0	8.0	28.3	28.3	87.2	87.2	6.7	6.7	7.0	6.7	9	9	47	47	48	821483	810564	<0.2	0.8	0.8	0.8	0.8	0.8				
	8.4	0.1	82	20.0						20.0	8.0	8.0	28.3	28.3	87.4	87.4	6.7	6.7	8.0	6.7	7	9	52	52	48	821483	810564	<0.2	0.9	0.8	0.8	0.8					
	8.4	0.1	79	20.0						20.0	8.0	8.0	28.3	28.3	87.4	87.4	6.7	6.7	8.0	6.7	7	9	52	52	48	821483	810564	<0.2	0.9	0.8	0.8	0.8	0.8				
IM12	Rainy	Rough	12:28	9.5						Surface	1.0	0.2	88	20.0	20.0	8.0	8.0	28.2	28.2	87.5	87.5	6.7	6.7	5.3	9	44	44	48	821175	811521	<0.2	0.8	0.8	0.8	0.8		
											1.0	0.2	90	20.0	20.0	8.0	8.0	28.2	28.2	87.4	87.4	6.7	6.7	5.2	6.7	10	9	44	44	48	821175	811521	<0.2	0.8	0.8	0.8	0.8
											4.8	0.2	85	20.0	20.0	8.0	8.0	28.3	28.3	86.7	86.7	6.7	6.7	6.1	6.7	9	9	47	47	48	821175	811521	<0.2	0.9	0.8	0.8	0.8
					Middle	4.8	0.2	91	20.0	20.0	8.0	8.0	28.3	28.3	86.7	86.7	6.7	6.7	6.1	6.7	8	9	47	47	48	821175	811521	<0.2	0.9	0.8	0.8	0.8	0.8				
						8.5	0.2	72	20.0	20.0	8.0	8.0	28.5	28.5	86.1	86.1	6.6	6.6	9.7	6.6	7	9	52	52	48	821175	811521	<0.2	0.8	0.8	0.8	0.8					
						8.5	0.1	76	20.0	20.0	8.0	8.0	28.5	28.5	86.1	86.1	6.6	6.6	9.7	6.6	8	9	52	52	48	821175	811521	<0.2	0.8	0.8	0.8	0.8	0.8				
					SR1A	Cloudy	Rough	13:03	5.6	Surface	1.0	-	41	19.9	19.9	7.9	7.9	27.7	27.7	86.6	86.6	6.7	6.7	3.7	9	-	-	-	819974	812659	-	-	-	-	-		
											1.0	0.0	45	19.9	19.9	7.9	7.9	27.7	27.7	86.6	86.6	6.7	6.7	3.6	6.7	8	9	-	-	-	819974	812659	-	-	-	-	-
											2.8	0.0	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812659	-	-	-	-	-
Middle	2.8	-	41	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812659	-	-	-	-	-	-				
	4.6	0.0	21	19.9						19.9	8.0	8.0	27.8	27.8	86.9	86.9	6.7	6.7	4.3	6.7	9	9	-	-	-	819974	812659	-	-	-	-	-	-				
	4.6	0.1	14	19.9						19.9	8.0	8.0	27.8	27.8	86.9	86.9	6.7	6.7	4.3	6.7	8	9	-	-	-	819974	812659	-	-	-	-	-	-				
SR2	Cloudy	Rough	13:17	5.3						Surface	1.0	0.2	65	20.0	20.0	8.0	8.0	28.3	28.3	87.8	87.8	6.8	6.8	3.2	9	47	47	49	821450	814148	<0.2	0.8	0.8	0.8	0.8		
											1.0	0.2	67	20.0	20.0	8.0	8.0	28.3	28.3	87.8	87.8	6.8	6.8	3.3	6.8	8	9	47	47	49	821450	814148	<0.2	0.8	0.8	0.8	0.8
											-	0.2	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	821450	814148	<0.2	0.8	0.8	0.8
					Middle	-	0.2	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49	821450	814148	<0.2	0.8	0.8	0.8	0.8				
						4.3	0.2	43	19.9	19.9	8.0	8.0	28.5	28.5	88.2	88.2	6.8	6.8	4.3	6.8	10	9	51	51	49	821450	814148	<0.2	0.8	0.8	0.8	0.8					
						4.3	0.3	37	19.9	19.9	8.0	8.0	28.5	28.5	88.2	88.2	6.8	6.8	4.4	6.8	10	9	51	51	49	821450	814148	<0.2	0.8	0.8	0.8	0.8					
					SR3	Cloudy	Moderate	12:28	8.7	Surface	1.0	0.1	71	20.1	20.1	8.0	8.0	27.4	27.5	80.1	80.2	6.2	6.3	7.8	8	-	-	-	822128	807559	-	-	-	-	-		
											1.0	0.1	77	20.1	20.1	8.0	8.0	27.6	27.5	80.3	80.2	6.2	6.3	8.6	6.3	9	9	-	-	-	822128	807559	-	-	-	-	-
											4.4	0.2	62	20.0	20.0	8.0	8.0	28.1	28.1	81.1	81.2	6.3	6.3	8.6	6.3	9	9	-	-	-	822128	807559	-	-	-	-	-
Middle	4.4	0.2	61	20.0						20.0	8.0	8.0	28.1	28.1	81.2	81.2	6.3	6.3	9.6	6.3	9	9	-	-	-	822128	807559	-	-	-	-	-					
	7.7	0.1	68	20.0						20.0	8.0	8.0	28.3	28.3	82.2	82.3	6.3	6.3	9.7	6.3	10	9	-	-	-	822128	807559	-	-	-	-	-					
	7.7	0.1	63	20.0						20.0	8.0	8.0	28.3	28.3	82.3	82.3	6.4	6.4	9.6	6.4	9	9	-	-	-	822128	807559	-	-	-	-	-					
SR4A	Cloudy	Moderate	13:22	8.4						Surface	1.0	0.1	97	20.2	20.2	8.0	8.0	28.5	28.5	85.5	85.4	6.6	6.6	9.4	7	-	-	-	817179	807817	-	-	-	-	-		
											1.0	0.1	99	20.2	20.2	8.0	8.0	28.5	28.5	85.3	85.4	6.6	6.6	9.8	6.6	8	8	-	-	-	817179	807817	-	-	-	-	-
											4.2	0.0	91	20.1	20.1	8.0	8.0	28.6	28.6	84.9	85.0	6.5	6.5	10.8	6.5	8	8	-	-	-	817179	807817	-	-	-	-	-
					Middle	4.2	-	85	20.1	20.1	8.0	8.0	28.6	28.6	85.0	85.0	6.5	6.5	11.8	6.5	8	8	-	-	-	817179	807817	-	-	-	-	-					
						7.4	0.1	78	20.1	20.1	8.0	8.0	28.6	28.6	86.2	86.4	6.6	6.7	7.8	6.6	9	9	-	-	-	817179	807817	-	-	-	-	-					
						7.4	0.1	71	20.1	20.1	8.0	8.0	28.6	28.6	86.4	86.4	6.7	6.7	7.5	6.7	10	9	-	-	-	817179	807817	-	-	-	-	-					
					SR8	Rainy	Rough	12:35	5.9	Surface	1.0	-	-	20.0	20.0	8.0	8.0	28.1	28.1	87.7	87.7	6.8	6.8	5.1	8	-	-	-	820407	811616	-	-	-	-	-		
											1.0	-	-	20.0	20.0	8.0	8.0	28.1	28.1	87.7	87.7	6.8	6.8	5.1	6.8	8	8	-	-	-	820407	811616	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820407	811616	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820407	811616	-	-	-	-	-					
	4.9	-	-	20.0						20.0	8.0	8.0	28.3	28.3	87.3	87.3	6.7																				

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

**Water Quality Monitoring Results on 02 April 22 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		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	Rainy	Moderate	07:07	8.1	Surface	1.0	0.1	20	20.7	20.7	8.0	8.0	29.1	29.1	88.2	88.2	6.7	6.7	8.2	8.2	8	8	46	46	815598	804229	<0.2	<0.2	0.7	0.8
						1.0	0.1	12	20.7	20.7	8.0	8.0	29.1	29.1	88.2	88.2	6.7	6.7	8.2	8.2	7	7	47	47			<0.2	<0.2	0.7	0.8
						4.1	0.2	34	20.7	20.7	8.0	8.0	30.0	30.0	88.4	88.5	6.7	6.7	10.2	10.2	8	8	48	49			<0.2	<0.2	0.7	0.8
						4.1	0.2	38	20.7	20.7	8.0	8.0	30.0	30.0	88.5	88.5	6.7	6.7	10.6	10.6	8	8	49	51			<0.2	<0.2	0.7	0.8
					Bottom	7.1	0.1	30	20.6	20.6	8.0	8.0	30.5	30.5	89.3	89.4	6.7	6.7	7.6	7.6	9	9	51	51			<0.2	<0.2	0.7	0.8
						7.1	0.2	22	20.6	20.6	8.0	8.0	30.5	30.5	89.4	89.4	6.7	6.7	7.6	7.6	8	8	51	51			<0.2	<0.2	0.7	0.8
						1.0	0.3	343	21.2	21.2	7.9	7.9	27.7	27.7	85.8	85.9	6.5	6.5	6.9	6.9	8	8	43	43			<0.2	<0.2	0.7	0.8
						1.0	0.4	337	21.2	21.2	7.9	7.9	27.8	27.7	86.0	86.0	6.5	6.5	7.6	7.6	9	9	43	43			<0.2	<0.2	0.7	0.8
C2	Rainy	Moderate	08:10	11.2	Surface	1.0	0.3	343	21.2	21.2	7.9	7.9	27.7	27.7	85.8	85.9	6.5	6.5	6.9	6.9	8	8	43	43	825701	806958	<0.2	<0.2	0.7	0.8
						1.0	0.4	337	21.2	21.2	7.9	7.9	27.8	27.7	86.0	86.0	6.5	6.5	7.6	7.6	9	9	43	43			<0.2	<0.2	0.7	0.8
						5.6	0.3	338	21.1	21.1	8.0	8.0	28.2	28.2	86.7	86.8	6.6	6.6	7.7	7.7	8	8	48	48			<0.2	<0.2	0.7	0.8
					5.6	0.3	336	21.1	21.1	8.0	8.0	28.2	28.2	86.9	86.9	6.6	6.6	8.6	8.6	9	9	48	48	<0.2			<0.2	0.7	0.8	
					Bottom	10.2	0.3	352	21.0	21.0	8.0	8.0	28.5	28.5	87.7	87.7	6.6	6.6	8.6	8.6	9	9	51	51			<0.2	<0.2	0.7	0.7
						10.2	0.3	354	21.0	21.0	8.0	8.0	28.5	28.5	87.6	87.6	6.6	6.6	7.6	7.6	9	9	51	51			<0.2	<0.2	0.7	0.7
1.0	0.5	276	19.9	19.9		7.8	7.8	28.4	28.4	86.9	86.9	6.7	6.7	2.5	2.5	7	7	45	45	<0.2	<0.2	0.7	0.8							
C3	Cloudy	Rough	08:10	9.4	Surface	1.0	0.5	276	19.9	19.9	7.8	7.8	28.4	28.4	86.9	86.9	6.7	6.7	2.5	2.5	7	7	45	45	822090	817786	<0.2	<0.2	0.7	0.8
						1.0	0.5	279	19.9	19.9	7.8	7.8	28.4	28.4	86.8	86.8	6.7	6.7	2.5	2.5	8	8	45	45			<0.2	<0.2	0.7	0.8
						4.7	0.6	274	19.9	19.9	7.8	7.8	29.5	29.5	85.3	85.3	6.5	6.5	5.3	5.3	8	8	49	49			<0.2	<0.2	0.7	0.8
					4.7	0.6	280	19.9	19.9	7.8	7.8	29.5	29.5	85.3	85.3	6.5	6.5	5.4	5.4	7	7	49	49	<0.2			<0.2	0.7	0.8	
					Bottom	8.4	0.5	260	19.9	19.9	7.8	7.8	29.5	29.5	85.5	85.5	6.6	6.6	6.4	6.4	8	8	51	51			<0.2	<0.2	0.7	0.8
						8.4	0.5	254	19.9	19.9	7.8	7.8	29.5	29.5	85.5	85.5	6.6	6.6	6.5	6.5	8	8	51	51			<0.2	<0.2	0.7	0.7
1.0	0.2	31	20.8	20.8		8.0	8.0	28.9	28.9	88.8	88.9	6.7	6.7	7.2	7.2	10	10	46	46	<0.2	<0.2	0.7	0.8							
IM1	Rainy	Moderate	07:24	6.7	Surface	1.0	0.1	29	20.8	20.8	8.0	8.0	28.9	28.9	88.9	88.9	6.7	6.7	7.5	7.5	11	11	47	47	818337	806451	<0.2	<0.2	0.7	0.8
						3.4	0.1	10	20.8	20.9	8.0	8.0	29.1	29.1	89.3	89.4	6.8	6.8	7.6	7.6	9	9	48	49			<0.2	<0.2	0.7	0.8
						3.4	0.1	4	20.9	20.9	8.0	8.0	29.1	29.1	89.4	89.4	6.8	6.8	8.9	8.9	9	9	49	49			<0.2	<0.2	0.7	0.8
					Bottom	5.7	0.1	39	21.0	21.0	8.0	8.0	29.0	29.0	90.0	90.1	6.8	6.8	8.9	8.9	8	8	50	50			<0.2	<0.2	0.9	0.8
						5.7	0.1	37	21.0	21.0	8.0	8.0	29.0	29.0	90.2	90.1	6.8	6.8	8.6	8.6	8	8	51	51			<0.2	<0.2	0.7	0.8
						1.0	0.1	294	20.9	20.9	8.0	8.0	28.9	28.9	88.3	88.3	6.7	6.7	8.6	8.6	8	8	47	47			<0.2	<0.2	0.7	0.8
IM2	Rainy	Moderate	07:28	6.9	Surface	1.0	0.1	292	20.9	20.9	8.0	8.0	28.9	28.9	88.3	88.3	6.7	6.7	9.6	9.6	7	7	47	47	819179	806215	<0.2	<0.2	0.7	0.8
						3.5	0.1	317	20.8	20.8	8.0	8.0	29.1	29.1	88.5	88.6	6.7	6.7	9.7	9.7	7	7	49	48			<0.2	<0.2	0.7	0.8
						3.5	0.1	316	20.8	20.8	8.0	8.0	29.1	29.1	88.6	88.6	6.7	6.7	10.9	10.9	8	8	48	48			<0.2	<0.2	0.7	0.8
					Bottom	5.9	0.1	315	20.9	20.9	8.0	8.0	29.2	29.2	88.9	89.0	6.7	6.7	6.9	6.9	8	8	50	50			<0.2	<0.2	0.7	0.8
						5.9	0.0	317	20.9	20.9	8.0	8.0	29.2	29.2	89.1	89.0	6.7	6.7	7.1	7.1	9	9	51	51			<0.2	<0.2	0.7	0.8
						1.0	0.2	301	20.9	20.9	8.0	8.0	26.6	26.6	85.8	85.9	6.6	6.6	7.8	7.8	10	10	47	47			<0.2	<0.2	0.7	0.8
IM7	Rainy	Moderate	07:46	7.5	Surface	1.0	0.2	304	20.9	20.9	8.0	8.0	26.6	26.6	85.9	85.9	6.6	6.6	9.0	9.0	10	10	46	46	821368	806828	<0.2	<0.2	0.7	0.8
						3.8	0.2	290	20.9	20.9	8.0	8.0	28.9	28.9	86.1	86.2	6.5	6.5	9.0	9.0	9	9	48	49			<0.2	<0.2	0.7	0.8
						3.8	0.2	290	20.9	20.9	8.0	8.0	28.9	28.9	86.2	86.2	6.5	6.5	9.7	9.7	10	10	49	49			<0.2	<0.2	0.7	0.8
					Bottom	6.5	0.2	277	20.9	20.9	8.0	8.0	28.9	28.9	87.2	87.3	6.6	6.6	9.6	9.6	8	8	50	50			<0.2	<0.2	0.7	0.8
						6.5	0.1	276	20.9	20.9	8.0	8.0	28.9	28.9	87.3	87.3	6.6	6.6	8.6	8.6	8	8	50	50			<0.2	<0.2	0.7	0.8
						1.0	0.1	294	20.9	20.9	8.0	8.0	28.9	28.9	88.3	88.3	6.7	6.7	8.6	8.6	8	8	47	47			<0.2	<0.2	0.7	0.8

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 02 April 22 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		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		
IM10	Cloudy	Rough	09:22	8.2	Surface	1.0	0.4	290	20.0	20.0	8.0	8.0	28.2	28.2	87.5	87.5	6.7	6.7	7.7	9.6	9	8	42	47	822223	809835	<0.2	<0.2	0.8	0.8		
						1.0	0.4	290	20.0	20.0	8.0	8.0	28.2	28.2	87.5	87.5	6.7	6.7	7.7	9.6	8	8	42	47	822223	809835	<0.2	<0.2	0.8	0.8		
						4.1	0.3	283	20.0	20.0	8.0	8.0	28.2	28.2	87.6	87.6	6.8	6.8	9.4	9.6	7	9	47	47	822223	809835	<0.2	<0.2	0.8	0.8		
					Middle	4.1	0.4	285	20.0	20.0	8.0	8.0	28.2	28.2	87.6	87.6	6.8	6.8	9.5	9.6	7	9	47	47	822223	809835	<0.2	<0.2	0.8	0.8		
						7.2	0.3	295	20.0	20.0	8.0	8.0	28.2	28.2	88.3	88.3	6.8	6.8	11.6	9.6	8	9	51	47	822223	809835	<0.2	<0.2	0.7	0.7		
						7.2	0.3	288	20.0	20.0	8.0	8.0	28.2	28.2	88.4	88.4	6.8	6.8	11.7	9.6	7	9	51	47	822223	809835	<0.2	<0.2	0.8	0.8		
						7.2	0.3	288	20.0	20.0	8.0	8.0	28.2	28.2	88.4	88.4	6.8	6.8	11.7	9.6	7	9	51	47	822223	809835	<0.2	<0.2	0.8	0.8		
IM11	Cloudy	Rough	09:16	7.4	Surface	1.0	0.4	281	20.0	20.0	8.0	8.0	28.2	28.2	87.3	87.3	6.7	6.7	4.5	5.5	9	9	43	48	821485	810560	<0.2	<0.2	0.8	0.8		
						1.0	0.5	276	20.0	20.0	8.0	8.0	28.2	28.2	87.3	87.3	6.7	6.7	4.5	5.5	8	9	43	48	821485	810560	<0.2	<0.2	0.8	0.8		
						3.7	0.5	297	20.0	20.0	8.0	7.9	28.2	28.2	87.6	87.6	6.7	6.7	5.9	6.0	9	9	47	48	821485	810560	<0.2	<0.2	0.8	0.8		
					Middle	3.7	0.5	289	20.0	20.0	7.9	7.9	28.2	28.2	87.6	87.6	6.7	6.7	6.0	6.0	9	9	48	52	821485	810560	<0.2	<0.2	0.8	0.8		
						6.4	0.5	288	20.0	20.0	7.9	7.9	28.2	28.2	88.2	88.2	6.8	6.8	6.0	6.0	9	9	52	52	821485	810560	<0.2	<0.2	0.7	0.7		
					Bottom	6.4	0.5	287	20.0	20.0	7.9	7.9	28.2	28.2	88.4	88.4	6.8	6.8	6.1	6.1	9	9	52	52	821485	810560	<0.2	<0.2	0.9	0.9		
						6.4	0.5	287	20.0	20.0	7.9	7.9	28.2	28.2	88.4	88.4	6.8	6.8	6.1	6.1	9	9	52	52	821485	810560	<0.2	<0.2	0.9	0.9		
IM12	Cloudy	Rough	09:10	7.9	Surface	1.0	0.5	293	20.0	20.0	8.0	8.0	28.1	28.1	87.3	87.3	6.7	6.7	6.9	8.0	8	9	44	48	821177	811534	<0.2	<0.2	0.8	0.8		
						1.0	0.4	294	20.0	20.0	8.0	8.0	28.1	28.1	87.3	87.3	6.7	6.7	6.9	8.0	7	9	43	48	821177	811534	<0.2	<0.2	0.8	0.8		
						4.0	0.4	285	20.0	20.0	8.0	8.0	28.2	28.2	86.8	86.9	6.7	6.7	7.4	7.5	8	9	48	48	821177	811534	<0.2	<0.2	0.8	0.8		
					Middle	4.0	0.4	287	20.0	20.0	8.0	8.0	28.2	28.2	86.9	86.9	6.7	6.7	7.5	7.5	9	9	48	48	821177	811534	<0.2	<0.2	0.7	0.7		
						6.9	0.4	305	20.0	20.0	7.9	7.9	28.2	28.2	87.0	87.1	6.7	6.7	9.6	9.7	10	10	51	51	821177	811534	<0.2	<0.2	0.8	0.8		
					Bottom	6.9	0.4	303	20.0	20.0	7.9	7.9	28.2	28.2	87.1	87.1	6.7	6.7	9.7	9.7	10	10	51	51	821177	811534	<0.2	<0.2	0.8	0.8		
						6.9	0.4	303	20.0	20.0	7.9	7.9	28.2	28.2	87.1	87.1	6.7	6.7	9.7	9.7	10	10	51	51	821177	811534	<0.2	<0.2	0.8	0.8		
SR1A	Cloudy	Moderate	08:40	4.3	Surface	1.0	-	194	19.9	19.9	7.9	7.9	27.6	27.6	86.7	86.7	6.7	6.7	3.4	3.7	10	10	-	-	819973	812661	-	-	-	-		
						1.0	-	196	19.9	19.9	7.9	7.9	27.6	27.6	86.7	86.7	6.7	6.7	3.4	3.7	11	10	-	-	819973	812661	-	-	-	-		
						2.2	0.0	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	-	-	819973	812661	-	-	-	-
					Middle	2.2	0.0	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	-	-	819973	812661	-	-	-	-
						3.3	0.0	219	20.0	20.0	7.9	7.9	27.6	27.6	87.3	87.3	6.8	6.8	3.9	3.9	9	9	-	-	-	-	819973	812661	-	-	-	-
					Bottom	3.3	0.0	219	20.0	20.0	7.9	7.9	27.6	27.6	87.3	87.3	6.8	6.8	3.9	3.9	9	9	-	-	-	-	819973	812661	-	-	-	-
						3.3	0.0	219	20.0	20.0	7.9	7.9	27.6	27.6	87.3	87.3	6.8	6.8	3.9	3.9	9	9	-	-	-	-	819973	812661	-	-	-	-
SR2	Cloudy	Rough	08:28	4.9	Surface	1.0	0.1	242	20.1	20.1	7.9	7.9	28.2	28.2	86.4	86.4	6.6	6.6	5.7	7.3	8	10	48	50	821457	814189	<0.2	<0.2	0.8	0.8		
						1.0	0.1	235	20.1	20.1	7.9	7.9	28.2	28.2	86.4	86.4	6.6	6.6	5.7	7.3	8	10	48	50	821457	814189	<0.2	<0.2	0.8	0.8		
						-	0.1	246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10	51	51	821457	814189	<0.2	<0.2	0.8	0.8
					Middle	-	0.1	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	12	51	51	821457	814189	<0.2	<0.2	0.8	0.8
						3.9	0.1	226	20.1	20.1	7.9	7.9	28.4	28.4	86.3	86.3	6.6	6.6	9.0	9.0	11	12	51	51	821457	814189	<0.2	<0.2	0.8	0.8		
					Bottom	3.9	0.1	233	20.1	20.1	7.9	7.9	28.4	28.4	86.3	86.3	6.6	6.6	9.0	9.0	12	12	51	51	821457	814189	<0.2	<0.2	0.8	0.8		
						3.9	0.1	233	20.1	20.1	7.9	7.9	28.4	28.4	86.3	86.3	6.6	6.6	9.0	9.0	12	12	51	51	821457	814189	<0.2	<0.2	0.8	0.8		
SR3	Rainy	Moderate	07:52	8.6	Surface	1.0	0.2	311	21.2	21.2	7.9	7.9	25.6	25.6	84.7	84.7	6.5	6.5	7.7	8.4	9	9	-	-	822152	807583	-	-	-	-		
						1.0	0.2	304	21.1	21.1	7.9	7.9	25.6	25.6	84.7	84.7	6.5	6.5	8.0	8.0	8	9	-	-	822152	807583	-	-	-	-		
						4.3	0.2	299	21.0	21.0	7.9	7.9	28.3	28.4	85.4	85.5	6.5	6.5	9.1	10.0	8	9	-	-	822152	807583	-	-	-	-		
					Middle	4.3	0.2	304	21.0	21.0	8.0	7.9	28.4	28.4	85.5	85.5	6.5	6.5	10.0	10.0	9	9	-	-	822152	807583	-	-	-	-		
						7.6	0.2	320	21.3	21.4	8.0	8.0	28.6	28.6	85.4	85.4	6.4	6.4	8.0	7.8	10	9	-	-	822152	807583	-	-	-	-		
					Bottom	7.6	0.2	320	21.4	21.4	8.0	8.0	28.5	28.6	85.4	85.4	6.4	6.4	7.8	7.8	9	9	-	-	822152	807583	-	-	-	-		
						7.6	0.2	320	21.4	21.4	8.0	8.0	28.5	28.6	85.4	85.4	6.4	6.4	7.8	7.8	9	9	-	-	822152	807583	-	-	-	-		
SR4A	Rainy	Moderate	06:45	8.5	Surface	1.0	0.0	205	20.9	20.9	8.0	8.0	28.6	28.6	86.0	86.0	6.5	6.5	7.6	8.4	8	8	-	-	817179	807814	-	-	-	-		
						1.0	0.1	208	20.9	20.9	8.0	8.0	28.6	28.6	86.0	86.0	6.5	6.5	8.6	8.6	8	8	-	-	817179	807814	-	-	-	-		
						4.3	0.0	207	20.9	20.9	7.9	7.9	28.7	28.7	85.9	85.9	6.5	6.5	8.6	9.6	9	8	-	-	817179	807814	-	-	-	-		
					Middle	4.3	0.0	201	20.9	20.9	7.9	7.9	28.8	28.7	85.9	85.9	6.5	6.5	9.6	8.0	8	8	-	-	817179	807814	-	-	-	-		
						7.5	0.0	190	20.9	20.9	7.9	7.9	28.7	28.7	86.3	86.4	6.5	6.5	8.0	7.9	8	9	-	-	817179	807814	-	-	-	-		
					Bottom	7.5	0.0	184	20.9	20.9	7.9	7.9	28.7	28.7	86.4																	

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

**Water Quality Monitoring Results on 05 April 22 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		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	15:15	7.5	Surface	1.0	0.4	197	21.1	21.1	8.0	8.0	29.6	29.6	100.7	100.7	7.5	7.5	1.6	1.6	3	4	43	47	815631	804241	<0.2	<0.2	1.5	1.6							
						1.0	0.5	192	21.1	8.0	8.0	29.6	29.6	100.7	100.7	7.5	7.5	1.6	1.6	4	4	43	47														
					Middle	3.8	0.4	201	20.9	20.9	8.0	8.0	29.9	29.9	98.5	98.5	7.4	7.4	3.2	3.2	3	4	47	47			<0.2	<0.2	2.5	2.5							
						3.8	0.4	203	20.9	20.9	8.0	8.0	29.9	29.9	98.5	98.5	7.4	7.4	3.2	3.2	4	4	47	47			<0.2	<0.2	2.5	2.5							
					Bottom	6.5	0.4	194	20.5	20.5	8.0	8.0	30.3	30.3	93.5	93.5	7.1	7.1	11.2	11.2	5	5	52	52			<0.2	<0.2	2.4	2.4							
						6.5	0.5	190	20.5	20.5	8.0	8.0	30.3	30.3	93.5	93.5	7.1	7.1	11.3	11.3	5	5	52	52			<0.2	<0.2	2.5	2.5							
					C2	Sunny	Moderate	13:52	10.1	Surface	1.0	0.2	153	20.7	20.7	7.9	7.9	27.7	27.7	89.6	89.6	6.8	6.8	4.2			4.2	7	8	41	41	825702	806928	<0.2	<0.2	1.1	1.1
											1.0	0.2	158	20.7	20.7	7.9	7.9	27.7	27.7	89.6	89.6	6.8	6.8	4.2			4.2	8	6	41	48						
										Middle	5.1	0.2	182	20.6	20.6	7.9	7.9	27.9	27.9	89.5	89.5	6.8	6.8	5.7			5.7	6	6	48	48			<0.2	<0.2	1.1	1.2
											5.1	0.2	175	20.6	20.6	7.9	7.9	27.9	27.9	89.5	89.5	6.8	6.8	5.7			5.7	6	6	48	48			<0.2	<0.2	1.2	1.2
Bottom	9.1	0.2	185	20.6						20.6	7.9	7.9	28.1	28.1	89.3	89.3	6.8	6.8	6.0	6.0	6	5	51	51	<0.2	<0.2	1.2	1.2									
	9.1	0.2	186	20.6						20.6	7.9	7.9	28.1	28.1	89.3	89.3	6.8	6.8	6.0	6.0	5	5	51	51	<0.2	<0.2	1.2	1.2									
C3	Sunny	Moderate	15:31	11.5						Surface	1.0	0.5	86	20.1	20.1	8.0	8.0	30.1	30.1	89.0	89.0	6.8	6.8	2.1	2.1	9	8	48	47	822105	817806			<0.2	<0.2	3.1	3.0
											1.0	0.5	93	20.1	20.1	8.0	8.0	30.1	30.1	89.0	89.0	6.8	6.8	2.1	2.1	8	7	47	50								
										Middle	5.8	0.5	87	20.0	20.0	8.0	8.0	30.2	30.2	88.1	88.1	6.7	6.7	2.0	2.0	7	6	50	50					<0.2	<0.2	3.0	3.1
											5.8	0.4	82	20.0	20.0	8.0	8.0	30.2	30.2	88.0	88.0	6.7	6.7	2.0	2.0	6	7	50	53					<0.2	<0.2	3.1	3.2
					Bottom	10.5	0.5	65	19.8	19.8	8.0	8.0	30.2	30.2	87.7	87.7	6.7	6.7	2.3	2.3	7	6	53	51	<0.2	<0.2	3.2	3.1									
						10.5	0.5	69	19.8	19.8	8.0	8.0	30.2	30.2	87.8	87.8	6.7	6.7	2.2	2.2	6	6	53	51	<0.2	<0.2	3.1	3.1									
					IM1	Sunny	Calm	14:49	7.6	Surface	1.0	0.2	173	21.0	21.0	8.0	8.0	29.7	29.7	100.2	100.2	7.5	7.5	1.9	1.9	3	4	44	44			818370	806457	<0.2	<0.2	1.4	1.4
											1.0	0.2	165	21.0	21.0	8.0	8.0	29.7	29.7	100.1	100.1	7.5	7.5	1.9	1.9	4	5	44	48								
										Middle	3.8	0.2	201	20.8	20.8	8.0	8.0	30.0	30.0	97.6	97.6	7.3	7.3	4.9	4.9	5	4	48	48					<0.2	<0.2	1.5	1.5
											3.8	0.2	203	20.8	20.8	8.0	8.0	30.0	30.0	97.7	97.7	7.3	7.3	4.8	4.8	4	5	48	51					<0.2	<0.2	1.5	1.5
Bottom	6.6	0.2	192	20.6						20.6	8.0	8.0	30.3	30.3	94.4	94.4	7.1	7.1	6.8	6.8	5	6	51	51	<0.2	<0.2	1.5	1.4									
	6.6	0.1	191	20.6						20.6	8.0	8.0	30.3	30.3	94.5	94.5	7.1	7.1	6.8	6.8	6	6	51	51	<0.2	<0.2	1.4	1.4									
IM2	Sunny	Calm	14:43	7.9						Surface	1.0	0.2	189	20.9	20.9	7.9	7.9	29.2	29.2	98.7	98.7	7.4	7.4	2.3	2.3	5	5	41	41	819164	806249			<0.2	<0.2	1.1	1.2
											1.0	0.3	186	20.9	20.9	7.9	7.9	29.2	29.2	98.7	98.7	7.4	7.4	2.3	2.3	5	5	41	48								
										Middle	4.0	0.2	189	20.6	20.7	7.9	7.9	29.7	29.7	96.7	96.9	7.3	7.3	6.8	6.8	5	5	48	48					<0.2	<0.2	1.3	1.4
											4.0	0.2	192	20.7	20.7	7.9	7.9	29.7	29.7	97.0	97.0	7.3	7.3	6.8	6.8	5	5	48	51					<0.2	<0.2	1.4	1.4
					Bottom	6.9	0.2	188	20.5	20.5	8.0	8.0	30.0	30.0	94.9	94.9	7.2	7.2	6.8	6.8	5	6	51	51	<0.2	<0.2	1.4	1.4									
						6.9	0.2	180	20.5	20.5	8.0	8.0	30.0	30.0	94.8	94.8	7.2	7.2	6.8	6.8	6	6	51	51	<0.2	<0.2	1.3	1.3									
					IM7	Sunny	Calm	14:24	9.1	Surface	1.0	0.2	115	20.7	20.7	7.9	7.9	27.1	27.1	90.7	90.7	6.9	6.9	3.2	3.2	4	5	44	44			821351	806830	<0.2	<0.2	3.0	3.0
											1.0	0.2	120	20.7	20.7	7.9	7.9	27.1	27.1	90.7	90.7	6.9	6.9	3.2	3.2	5	5	44	48								
										Middle	4.6	0.2	108	20.6	20.6	7.9	7.9	29.0	28.9	93.3	93.3	7.1	7.1	4.5	4.5	5	5	48	48					<0.2	<0.2	1.3	1.4
											4.6	0.2	105	20.6	20.6	7.9	7.9	28.9	28.9	93.3	93.3	7.1	7.1	4.5	4.5	5	5	48	51					<0.2	<0.2	1.4	1.4
Bottom	8.1	0.2	126	20.5						20.5	7.9	7.9	29.2	29.2	93.5	93.5	7.1	7.1	7.1	7.1	5	5	51	51	<0.2	<0.2	1.4	1.4									
	8.1	0.2	131	20.5						20.5	7.9	7.9	29.2	29.2	93.5	93.5	7.1	7.1	6.9	6.9	5	5	51	51	<0.2	<0.2	1.2	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 05 April 22 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		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
IM10	Sunny	Moderate	14:00	8.4	Surface	1.0	0.3	83	20.2	8.0	8.0	27.9	28.0	91.6	91.6	7.0	3.6	5	46	49	822232	809825	<0.2	1.1	1.0	1.0				
						1.0	0.3	77	20.1	8.0	8.0	28.1	28.8	91.5	91.0	7.0	3.8	6	47	49	<0.2	1.1	1.0	1.0						
						4.2	0.3	78	20.0	8.0	8.0	28.8	28.8	91.0	91.0	7.0	5.4	5	48	49	<0.2	1.1	1.0	1.0						
					Middle	4.2	0.4	80	20.0	8.0	8.0	28.8	29.0	91.0	91.0	7.0	5.8	5	48	52	<0.2	1.1	1.0	1.0						
						7.4	0.3	113	19.8	8.0	8.0	29.0	29.0	92.2	92.3	7.1	8.8	4	52	52	<0.2	1.1	1.0	1.0						
						7.4	0.3	107	19.8	8.0	8.0	29.0	29.0	92.3	92.3	7.1	8.8	5	52	52	<0.2	1.1	1.0	1.0						
					Bottom	1.0	0.5	105	20.4	8.0	8.0	28.4	28.4	92.0	92.0	7.0	3.4	6	46	49	<0.2	1.1	1.0	1.0						
						1.0	0.5	108	20.4	8.0	8.0	28.4	28.4	91.9	92.0	7.0	3.4	5	47	49	<0.2	1.1	1.0	1.0						
						4.4	0.5	97	20.1	8.0	8.0	28.7	28.7	90.4	90.4	6.9	4.2	6	48	49	<0.2	1.1	1.0	1.0						
Middle	4.4	0.5	90	20.1	8.0	8.0	28.7	28.7	90.3	90.3	6.9	4.3	8	49	51	<0.2	1.1	1.0	1.0											
	7.8	0.5	117	19.9	8.0	8.0	29.0	29.0	90.1	90.2	6.9	7.0	8	51	51	<0.2	1.1	1.0	1.0											
	7.8	0.5	115	19.9	8.0	8.0	29.0	29.0	90.3	90.2	6.9	7.0	8	51	51	<0.2	1.1	1.0	1.0											
IM11	Sunny	Moderate	14:25	8.8	Surface	1.0	0.5	105	20.4	8.0	8.0	28.4	28.4	92.0	92.0	7.0	3.4	6	46	49	821499	810548	<0.2	1.1	1.0	1.1				
						1.0	0.5	108	20.4	8.0	8.0	28.4	28.4	91.9	92.0	7.0	3.4	5	47	49	<0.2	1.1	1.0	1.0						
						4.4	0.5	97	20.1	8.0	8.0	28.7	28.7	90.4	90.4	6.9	4.2	6	48	49	<0.2	1.1	1.0	1.0						
					Middle	4.4	0.5	90	20.1	8.0	8.0	28.7	28.7	90.3	90.3	6.9	4.3	8	49	51	<0.2	1.1	1.0	1.0						
						7.8	0.5	117	19.9	8.0	8.0	29.0	29.0	90.1	90.2	6.9	7.0	8	51	51	<0.2	1.1	1.0	1.0						
						7.8	0.5	115	19.9	8.0	8.0	29.0	29.0	90.3	90.2	6.9	7.0	8	51	51	<0.2	1.1	1.0	1.0						
					Bottom	1.0	0.5	90	20.1	8.0	8.0	28.7	28.7	90.0	90.0	6.9	4.5	7	46	49	<0.2	1.1	1.0	1.0						
						1.0	0.5	84	20.0	8.0	8.0	28.7	28.7	89.9	90.0	6.9	4.6	8	47	49	<0.2	1.1	1.0	1.0						
						4.6	0.5	100	20.0	8.0	8.0	28.8	28.8	89.4	89.3	6.9	5.0	10	49	50	<0.2	1.1	1.0	1.0						
Middle	4.6	0.5	95	20.0	8.0	8.0	28.8	28.8	89.2	89.2	6.9	5.3	9	50	52	<0.2	1.1	1.0	1.0											
	8.2	0.5	97	19.8	8.0	8.0	29.1	29.1	88.5	88.6	6.8	7.7	9	52	53	<0.2	1.1	1.0	1.0											
	8.2	0.6	90	19.8	8.0	8.0	29.1	29.1	88.6	88.6	6.8	7.7	10	53	53	<0.2	1.1	1.0	1.0											
IM12	Sunny	Moderate	14:31	9.2	Surface	1.0	0.5	90	20.1	8.0	8.0	28.7	28.7	90.0	90.0	6.9	4.5	7	46	49	821165	811506	<0.2	1.1	1.0	1.1				
						1.0	0.5	84	20.0	8.0	8.0	28.7	28.7	89.9	90.0	6.9	4.6	8	47	49	<0.2	1.1	1.0	1.0						
						4.6	0.5	100	20.0	8.0	8.0	28.8	28.8	89.4	89.3	6.9	5.0	10	49	50	<0.2	1.1	1.0	1.0						
					Middle	4.6	0.5	95	20.0	8.0	8.0	28.8	28.8	89.2	89.2	6.9	5.3	9	50	52	<0.2	1.1	1.0	1.0						
						8.2	0.5	97	19.8	8.0	8.0	29.1	29.1	88.5	88.6	6.8	7.7	9	52	53	<0.2	1.1	1.0	1.0						
						8.2	0.6	90	19.8	8.0	8.0	29.1	29.1	88.6	88.6	6.8	7.7	10	53	53	<0.2	1.1	1.0	1.0						
					Bottom	1.0	0.1	47	20.3	7.9	7.9	28.3	28.3	91.1	91.0	7.0	2.5	8	-	-	-	-	819981	812658	-	-	-	-		
						1.0	0.1	39	20.3	7.9	7.9	28.3	28.3	90.8	91.0	7.0	2.7	9	-	-	-	-	-	-	-	-	-	-		
						2.8	0.0	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Middle	2.8	0.0	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	4.5	0.0	35	19.7	7.9	7.9	28.8	28.8	88.8	88.9	6.9	4.0	9	-	-	-	-	-	-	-	-	-	-	-						
	4.5	0.0	38	19.7	7.9	7.9	28.8	28.8	88.9	88.9	6.9	3.9	8	-	-	-	-	-	-	-	-	-	-	-						
SR1A	Sunny	Moderate	14:58	5.5	Surface	1.0	0.1	47	20.3	7.9	7.9	28.3	28.3	91.1	91.0	7.0	2.5	8	-	-	-	819981	812658	-	-	-	-			
						1.0	0.1	39	20.3	7.9	7.9	28.3	28.3	90.8	91.0	7.0	2.7	9	-	-	-	-	-	-	-	-	-			
						2.8	0.0	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	2.8	0.0	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.5	0.0	35	19.7	7.9	7.9	28.8	28.8	88.8	88.9	6.9	4.0	9	-	-	-	-	-	-	-	-	-	-		
						4.5	0.0	38	19.7	7.9	7.9	28.8	28.8	88.9	88.9	6.9	3.9	8	-	-	-	-	-	-	-	-	-	-		
					Bottom	1.0	0.4	44	20.1	8.0	8.0	28.7	28.7	91.3	91.4	7.0	4.2	8	-	-	-	-	-	-	-	-	-	-		
						1.0	0.5	45	20.1	8.0	8.0	28.7	28.7	91.4	91.4	7.0	4.2	7	-	-	-	-	-	-	-	-	-			
						-	0.4	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Middle	-	0.4	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.7	0.5	38	20.1	7.9	7.9	28.8	28.8	92.8	92.9	7.1	4.4	6	-	-	-	-	-	-	-	-	-								
	3.7	0.5	37	20.1	7.9	7.9	28.8	28.8	92.9	92.9	7.1	4.3	6	-	-	-	-	-	-	-	-	-								
SR2	Sunny	Moderate	15:11	4.7	Surface	1.0	0.4	44	20.1	8.0	8.0	28.7	28.7	91.3	91.4	7.0	4.2	8	47	49	821454	814184	<0.2	1.1	1.0					
						1.0	0.5	45	20.1	8.0	8.0	28.7	28.7	91.4	91.4	7.0	4.2	7	48	49	<0.2	1.1	1.0	1.0						
						-	0.4	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	0.4	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.7	0.5	38	20.1	7.9	7.9	28.8	28.8	92.8	92.9	7.1	4.4	6	-	-	-	-	-	-	-	-				
						3.7	0.5	37	20.1	7.9	7.9	28.8	28.8	92.9	92.9	7.1	4.3	6	-	-	-	-	-	-	-					
					Bottom	1.0	0.2	150	21.0	7.9	7.9	27.3	27.2	92.0	92.1	7.0	4.6	5	-	-	-	-	-	-	-	-				
						1.0	0.3	151	21.0	7.9	7.9	27.2	27.2	92.1	92.1	7.0	4.6	5	-	-	-	-	-	-	-					
						4.4	0.2	153	20.8	7.9	7.9	27.5	27.5	91.5	91.5	7.0	4.8	6	-	-	-	-	-	-						
Middle	4.4	0.2	153	20.8	7.9	7.9	27.5	27.5	91.5	91.5	7.0	4.8	5	-	-	-	-	-	-											
	7.8	0.2	154	20.7	7.9	7.9	29.0	29.0	92.4	92.4	7.0	10.1	5	-	-	-	-	-												
	7.8	0.2	154	20.7	7.9	7.9	29.0	29.0	92.4	92.4	7.0	10.1	6	-	-	-	-													
SR3	Sunny	Moderate	14:17	8.8	Surface	1.0	0.0	89	20.9	7.9	7.9	29.6	29.6	97.8	97.8	7.4	4.4	6	-	-	-	-	-							
						1.0	0.0	90	20.9	7.9	7.9	29.6	29.6	97.8	97.8	7.4	4.4	6	-	-	-	-	-							
						4.4	0.2	153	20.8	7.9	7.9	27.5	27.5	91.5	91.5	7.0	4.8	6</												

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

**Water Quality Monitoring Results on 05 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA								
C1	Fine	Moderate	08:01	6.2	Surface	1.0	0.2	31	20.5	20.5	7.9	7.9	29.6	29.6	95.7	95.7	7.2	7.2	9.0	9.0	6	6	43	43	815613	804235	<0.2	<0.2	1.5	1.5								
						1.0	0.2	24	20.5	20.5	7.9	7.9	29.6	29.6	95.7	95.7	7.2	7.2	9.0	9.0	5	5	44	44			<0.2	<0.2	1.5	1.5								
						3.1	0.2	19	20.3	20.3	8.0	8.0	30.7	30.7	93.9	93.9	7.1	7.1	7.7	7.7	5	5	48	48			<0.2	<0.2	2.7	2.7								
						3.1	0.2	24	20.3	20.3	8.0	8.0	30.7	30.7	93.9	93.9	7.1	7.1	7.7	7.7	6	6	48	48			<0.2	<0.2	2.6	2.6								
					Bottom	5.2	0.2	20	20.3	20.3	7.9	7.9	31.0	31.0	93.6	93.6	7.1	7.1	6.8	6.8	7	7	51	51			7	7	51	51	<0.2	<0.2	2.4	2.4				
						5.2	0.2	17	20.3	20.3	7.9	7.9	31.0	31.0	93.6	93.6	7.1	7.1	6.9	6.9	7	7	51	51			7	7	51	51	<0.2	<0.2	2.5	2.5				
						C2	Fine	Moderate	09:39	9.4	Surface	1.0	0.3	336	20.9	20.9	7.9	7.9	27.6	27.6	91.8	91.8	7.0	7.0			3.0	3.0	5	5	43	43	825678	806967	<0.2	<0.2	1.1	1.1
												1.0	0.3	334	20.9	20.9	7.9	7.9	27.6	27.6	91.8	91.8	7.0	7.0			3.0	3.0	4	4	43	43			<0.2	<0.2	1.1	1.1
4.7	0.4	349	20.6	20.6	7.9							7.9	28.2	28.2	89.4	89.4	6.8	6.8	6.0	6.0	5	5	47	47	<0.2	<0.2	1.0	1.0										
4.7	0.3	352	20.6	20.6	7.9							7.9	28.2	28.2	89.4	89.4	6.8	6.8	5.9	5.9	6	6	47	47	<0.2	<0.2	1.0	1.0										
Bottom	8.4	0.4	13	20.5	20.5						7.9	7.9	29.2	29.2	92.1	92.1	7.0	7.0	9.1	9.1	5	5	51	51	5	5	51	51	<0.2	<0.2	1.1	1.1						
	8.4	0.4	17	20.5	20.5						7.9	7.9	29.2	29.2	92.1	92.1	7.0	7.0	9.1	9.1	6	6	51	51	6	6	51	51	<0.2	<0.2	1.1	1.1						
	C3	Fine	Moderate	08:49	11.4						Surface	1.0	0.4	266	19.8	19.8	8.0	8.0	29.3	29.3	88.5	88.5	6.8	6.8	2.3	2.3	7	7	46	46	822112	817806			<0.2	<0.2	1.4	1.4
												1.0	0.5	268	19.8	19.8	8.0	8.0	29.3	29.3	88.4	88.4	6.8	6.8	2.3	2.3	7	7	46	46					<0.2	<0.2	1.5	1.5
5.7						0.5	269	19.7	19.7	8.0		8.0	30.0	30.0	86.3	86.3	6.6	6.6	10.8	10.8	7	7	86	86	<0.2	<0.2	1.3	1.3										
5.7						0.5	270	19.7	19.7	8.0		8.0	30.0	30.0	86.3	86.3	6.6	6.6	11.7	11.7	8	8	86	86	<0.2	<0.2	1.5	1.5										
Bottom						10.4	0.4	260	19.7	19.7	8.0	8.0	30.0	30.0	85.9	85.9	6.6	6.6	11.4	11.4	8	8	86	86	8	8	86	86	<0.2	<0.2			2.4	2.4				
						10.4	0.4	264	19.7	19.7	8.0	8.0	30.0	30.0	85.9	85.9	6.6	6.6	11.4	11.4	9	9	87	87	9	9	87	87	<0.2	<0.2			2.4	2.4				
						IM1	Fine	Calm	08:27	7.3	Surface	1.0	0.2	12	20.7	20.7	7.9	7.9	29.1	29.1	96.7	96.7	7.3	7.3	2.6	2.6	6	6	45	45			818336	806463	<0.2	<0.2	2.8	2.8
												1.0	0.2	8	20.7	20.7	7.9	7.9	29.1	29.1	96.7	96.7	7.3	7.3	2.6	2.6	5	5	45	45					<0.2	<0.2	2.8	2.8
3.7	0.2	40	20.5	20.5	7.9							7.9	29.8	29.8	94.7	94.7	7.2	7.2	5.6	5.6	5	5	47	47	<0.2	<0.2	3.0	3.0										
3.7	0.2	43	20.5	20.5	7.9							7.9	29.8	29.8	94.6	94.6	7.2	7.2	5.6	5.6	5	5	47	47	<0.2	<0.2	3.1	3.1										
Bottom	6.3	0.2	6	20.5	20.5						7.9	7.9	30.2	30.2	93.3	93.3	7.0	7.0	9.7	9.7	5	5	51	51	5	5	51	51	<0.2	<0.2	3.2	3.2						
	6.3	0.2	5	20.5	20.5						7.9	7.9	30.2	30.2	93.3	93.3	7.0	7.0	9.7	9.7	4	4	51	51	4	4	51	51	<0.2	<0.2	3.0	3.0						
	IM2	Fine	Calm	08:34	7.4						Surface	1.0	0.1	350	20.6	20.6	7.9	7.9	29.1	29.1	97.2	97.2	7.4	7.4	2.5	2.5	7	7	44	44	819178	806213			<0.2	<0.2	3.5	3.5
												1.0	0.2	343	20.6	20.6	7.9	7.9	29.1	29.1	97.2	97.2	7.4	7.4	2.5	2.5	8	8	44	44					<0.2	<0.2	3.4	3.4
3.7						0.1	3	20.4	20.4	7.9		7.9	29.7	29.7	93.2	93.2	7.1	7.1	8.3	8.3	6	6	47	47	<0.2	<0.2	1.2	1.2										
3.7						0.1	6	20.4	20.4	7.9		7.9	29.7	29.7	93.1	93.1	7.1	7.1	8.2	8.2	6	6	47	47	<0.2	<0.2	1.2	1.2										
Bottom						6.4	0.1	333	20.5	20.5	7.9	7.9	29.8	29.8	92.9	92.9	7.0	7.0	10.2	10.2	5	5	51	51	5	5	51	51	<0.2	<0.2			1.1	1.1				
						6.4	0.1	329	20.5	20.5	7.9	7.9	29.8	29.8	92.9	92.9	7.0	7.0	10.2	10.2	6	6	51	51	6	6	51	51	<0.2	<0.2			1.1	1.1				
						IM7	Fine	Calm	09:01	8.2	Surface	1.0	0.2	332	20.9	20.9	7.8	7.8	26.5	26.5	92.0	92.0	7.0	7.0	3.2	3.2	4	4	44	44			821357	806832	<0.2	<0.2	1.2	1.2
												1.0	0.2	326	20.9	20.9	7.8	7.8	26.5	26.5	92.0	92.0	7.0	7.0	3.1	3.1	5	5	44	44					<0.2	<0.2	1.1	1.1
4.1	0.2	343	20.6	20.6	7.9							7.9	27.8	27.8	92.5	92.5	7.1	7.1	4.4	4.4	6	6	48	48	<0.2	<0.2	1.2	1.2										
4.1	0.2	342	20.6	20.6	7.9							7.9	27.9	27.9	92.6	92.6	7.1	7.1	4.4	4.4	5	5	48	48	<0.2	<0.2	1.3	1.3										
Bottom	7.2	0.1	326	20.4	20.4						7.9	7.9	29.1	29.1	93.2	93.2	7.1	7.1	8.7	8.7	6	6	52	52	6	6	52	52	<0.2	<0.2	1.3	1.3						
	7.2	0.2	331	20.4	20.4						7.9	7.9	29.1	29.1	93.2	93.2	7.1	7.1	8.7	8.7	6	6	52	52	6	6	52	52	<0.2	<0.2	1.3	1.3						

DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
 Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

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

**Water Quality Monitoring Results on 05 April 22 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		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
IM10	Fine	Moderate	10:03	8.7	Surface	1.0	0.3	302	20.0	20.0	7.9	7.9	28.0	28.1	90.6	90.5	7.0	7.0	4.8	7	7	47	49	822219	809822	<0.2	<0.2	1.1	1.0					
						1.0	0.3	307	19.9	20.0	7.9	7.9	28.1	28.1	90.3	90.5	7.0	7.0	5.5	6	6	46	49	822219	809822	<0.2	<0.2	1.1	1.0					
					Middle	4.4	0.4	295	19.8	19.8	7.9	7.9	28.6	28.6	89.3	89.3	6.9	6.9	12.0	5	5	47	49	822219	809822	<0.2	<0.2	0.9	0.9					
						4.4	0.4	301	19.8	19.8	7.9	7.9	28.6	28.6	89.3	89.3	6.9	6.9	12.4	4	4	48	49	822219	809822	<0.2	<0.2	0.9	0.9					
					Bottom	7.7	0.3	293	19.8	19.8	7.9	7.9	28.6	28.6	89.6	89.7	6.9	6.9	13.8	2	2	51	49	822219	809822	<0.2	<0.2	1.0	1.0					
						7.7	0.4	289	19.8	19.8	7.9	7.9	28.6	28.6	89.7	89.7	6.9	6.9	13.8	3	3	52	49	822219	809822	<0.2	<0.2	1.0	1.0					
						7.7	0.4	283	20.0	20.0	7.9	7.9	27.9	28.0	91.3	91.2	7.0	7.0	3.5	6	6	47	49	822219	809822	<0.2	<0.2	1.0	1.0					
IM11	Fine	Moderate	09:56	8.5	Surface	1.0	0.4	283	20.0	20.0	7.9	7.9	28.0	28.0	91.1	91.2	7.0	7.0	4.0	7	7	46	49	821479	810526	<0.2	<0.2	1.1	1.0					
						1.0	0.4	276	20.0	20.0	7.9	7.9	28.0	28.0	91.1	91.2	7.0	7.0	4.0	7	7	46	49	821479	810526	<0.2	<0.2	1.1	1.0					
					Middle	4.3	0.4	274	19.8	19.8	7.9	7.9	28.7	28.7	90.0	90.0	6.9	6.9	8.8	6	6	48	49	821479	810526	<0.2	<0.2	0.8	0.9					
						4.3	0.5	276	19.8	19.8	7.9	7.9	28.7	28.7	90.0	90.0	6.9	6.9	9.1	6	6	49	49	821479	810526	<0.2	<0.2	0.9	0.9					
					Bottom	7.5	0.4	288	19.7	19.7	8.0	8.0	28.7	28.7	90.9	91.0	7.0	7.0	11.4	5	5	52	49	821479	810526	<0.2	<0.2	0.9	0.9					
						7.5	0.5	294	19.7	19.7	8.0	8.0	28.7	28.7	91.1	91.0	7.0	7.0	11.5	5	5	52	49	821479	810526	<0.2	<0.2	1.0	1.0					
						7.5	0.5	294	19.7	19.7	8.0	8.0	28.7	28.7	91.1	91.0	7.0	7.0	11.5	5	5	52	49	821479	810526	<0.2	<0.2	1.0	1.0					
IM12	Fine	Moderate	09:50	9.1	Surface	1.0	0.4	292	20.0	20.0	7.9	7.9	28.6	28.6	90.7	90.7	7.0	7.0	4.4	5	5	47	49	821154	811515	<0.2	<0.2	0.9	0.9					
						1.0	0.4	289	20.0	20.0	7.9	7.9	28.7	28.7	90.6	90.7	7.0	7.0	4.6	6	6	46	49	821154	811515	<0.2	<0.2	0.9	0.9					
					Middle	4.6	0.5	278	19.8	19.8	8.0	8.0	29.0	29.0	89.9	90.0	6.9	6.9	7.1	4	4	49	49	821154	811515	<0.2	<0.2	0.9	0.9					
						4.6	0.5	283	19.8	19.8	8.0	8.0	29.0	29.0	90.0	90.0	6.9	6.9	7.1	6	6	48	49	821154	811515	<0.2	<0.2	0.8	0.9					
					Bottom	8.1	0.5	274	19.7	19.8	8.0	8.0	29.0	29.0	94.5	94.9	7.3	7.3	2.1	6	6	52	49	821154	811515	<0.2	<0.2	1.0	1.0					
						8.1	0.5	280	19.8	19.8	8.0	8.0	29.0	29.0	95.2	94.9	7.3	7.3	2.2	6	6	53	49	821154	811515	<0.2	<0.2	1.1	1.0					
						8.1	0.5	280	19.8	19.8	8.0	8.0	29.0	29.0	95.2	94.9	7.3	7.3	2.2	6	6	53	49	821154	811515	<0.2	<0.2	1.1	1.0					
SR1A	Fine	Moderate	09:26	5.7	Surface	1.0	0.0	203	19.9	19.9	7.9	7.9	28.2	28.2	89.0	89.2	6.9	6.9	2.7	13	13	-	-	819975	812662	-	-	-	-					
						1.0	0.1	204	19.8	19.9	7.9	7.9	28.2	28.2	89.4	89.2	6.9	6.9	2.7	14	14	-	-	819975	812662	-	-	-	-					
					Middle	2.9	0.0	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.9	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.7	0.0	213	19.7	19.7	7.9	7.9	28.7	28.7	93.5	93.7	7.2	7.3	4.1	16	16	-	-	-	-	-	-	-	-	-	-	-	-	
						4.7	-	208	19.7	19.7	7.9	7.9	28.7	28.7	93.9	93.7	7.3	7.3	4.1	17	17	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.7	-	208	19.7	19.7	7.9	7.9	28.7	28.7	93.9	93.7	7.3	7.3	4.1	17	17	-	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Moderate	09:08	4.8	Surface	1.0	0.0	232	19.8	19.8	7.9	7.9	28.9	28.9	88.6	88.6	6.8	6.8	7.5	7	7	46	48	821445	814176	<0.2	<0.2	0.9	0.9					
						1.0	0.1	230	19.8	19.8	7.9	7.9	28.9	28.9	88.6	88.6	6.8	6.8	7.6	7	7	47	48	821445	814176	<0.2	<0.2	1.0	1.0					
					Middle	-	0.1	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	0.1	239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.0	245	19.8	19.8	7.9	7.9	28.9	28.9	89.3	89.4	6.9	6.9	8.1	10	10	49	48	821445	814176	<0.2	<0.2	0.9	0.9					
						3.8	0.0	248	19.8	19.8	7.9	7.9	28.9	28.9	89.4	89.4	6.9	6.9	8.2	11	11	50	48	821445	814176	<0.2	<0.2	0.9	0.9					
						3.8	0.0	248	19.8	19.8	7.9	7.9	28.9	28.9	89.4	89.4	6.9	6.9	8.2	11	11	50	48	821445	814176	<0.2	<0.2	0.9	0.9					
SR3	Fine	Moderate	09:09	7.3	Surface	1.0	0.3	339	20.8	20.8	7.8	7.8	27.1	27.1	90.2	90.2	6.9	6.9	5.4	5	5	-	-	822148	807556	-	-	-	-					
						1.0	0.2	338	20.8	20.8	7.8	7.8	27.1	27.1	90.2	90.2	6.9	6.9	5.4	5	5	-	-	822148	807556	-	-	-	-					
					Middle	3.7	0.2	356	20.6	20.6	7.9	7.9	27.8	27.8	89.7	89.7	6.9	6.9	7.7	4	4	-	-	822148	807556	-	-	-	-					
						3.7	0.3	354	20.6	20.6	7.9	7.9	27.8	27.8	89.7	89.7	6.9	6.9	7.7	4	4	-	-	822148	807556	-	-	-	-					
					Bottom	6.3	0.2	352	20.6	20.6	7.9	7.9	27.9	27.9	90.5	90.5	6.9	6.9	6.7	5	5	-	-	822148	807556	-	-	-	-					
						6.3	0.2	351	20.6	20.6	7.9	7.9	27.9	27.9	90.5	90.5	6.9	6.9	6.7	4	4	-	-	822148	807556	-	-	-	-					
						6.3	0.2	351	20.6	20.6	7.9	7.9	27.9	27.9	90.5	90.5	6.9	6.9	6.7	4	4	-	-	822148	807556	-	-	-	-					
SR4A	Fine	Calm	07:28	9.5	Surface	1.0	0.1	163	20.3	20.3	7.9	7.9	29.3	29.3	91.1	91.1	6.9	6.9	5.1	11	11	-	-	817185	807812	-	-	-	-					
						1.0	0.1	159	20.3	20.3	7.9	7.9	29.3	29.3	91.1	91.1	6.9	6.9	5.1	12	12	-	-	817185	807812	-	-	-	-					
					Middle	4.8	0.1	177	20.3	20.3	7.9	7.9	29.4	29.4	91.1	91.1	6.9	6.9	6.0	9	9	-	-	817185	807812	-	-	-	-					
						4.8	0.1	178	20.3	20.3	7.9	7.9	29.4	29.4	91.1	91.1	6.9	6.9	6.1	8	8	-	-	817185	807812	-	-	-	-					
					Bottom	8.5	0.1	155	20.6	20.6	7.9	7.9	30.2	30.2	92.2	92.2	7.0	7.0	9.5	8	8	-	-	817185	807812	-	-	-	-					
						8.5	0.1	152	20.6	20.6	7.9	7.9	30.2	30.2	92.2	92.2	7.0	7.0	9.6	8	8	-	-	817185	807812	-	-	-	-					
						8.5	0.1	152	20.6	20.6	7.9	7.9	30.2	30.2	92.2	92.2	7.0	7.0	9.6	8	8	-	-	817185	807812	-	-	-	-					
SR8	Fine	Moderate	09:45	5.1	Surface	1.0	-	-	19.9	19.9	8.0	8.0	28.1	28.1	90.7	90.8	7.0	7.0	4.8	14	14	-	-	820371	811									



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

**Water Quality Monitoring Results on 07 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
					Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	16:14	8.0	Surface	1.0	0.4	205	20.6	20.6	8.0	8.0	30.3	30.4	96.9	96.9	7.3	7.3	5.0	6.1	3	3	52	75	815598	804267	<0.2	<0.2	1.7	1.6
						1.0	0.3	200	20.6	8.0	8.0	30.4	30.8	96.8	97.0	7.3	7.3	5.1	6.1	3	3	52	75	86	88	<0.2	<0.2	1.5	1.6	
						4.0	0.4	192	20.5	8.0	8.0	30.8	30.8	97.0	97.0	7.3	7.3	6.2	7.0	2	2	86	88	<0.2	<0.2	1.7	1.6			
					Middle	4.0	0.4	193	20.5	8.0	8.0	30.8	30.9	97.0	97.0	7.3	7.3	7.0	7.1	2	2	88	88	<0.2	<0.2	1.7	1.6			
						7.0	0.4	192	20.6	7.9	7.9	30.9	30.9	97.6	97.7	7.3	7.3	7.1	7.1	2	2	88	88	<0.2	<0.2	1.7	1.6			
						7.0	0.4	193	20.5	7.9	7.9	30.9	30.9	97.7	97.7	7.3	7.3	7.1	7.1	2	2	88	88	<0.2	<0.2	1.6	1.6			
C2	Fine	Calm	15:06	10.0	Surface	1.0	0.3	172	21.6	21.6	7.9	7.9	25.5	25.5	92.7	92.6	7.0	7.0	1.9	3.1	2	2	45	74	825668	806924	<0.2	<0.2	1.6	1.7
						1.0	0.3	177	21.6	7.9	7.9	25.5	26.6	92.5	91.7	7.0	7.0	1.8	3.3	3	2	45	86	<0.2	<0.2	1.7	1.8			
						5.0	0.2	183	21.4	7.9	7.9	26.6	26.6	91.7	91.8	7.0	7.0	3.3	3.2	2	3	86	86	<0.2	<0.2	1.7	1.8			
					Middle	5.0	0.2	185	21.4	7.9	7.9	26.6	26.4	91.9	93.6	7.0	7.1	4.3	4.4	2	2	90	90	<0.2	<0.2	1.7	1.8			
						9.0	0.2	171	21.5	7.9	7.9	26.5	26.4	93.4	93.6	7.1	7.1	4.3	4.4	2	2	90	90	<0.2	<0.2	1.7	1.8			
						9.0	0.2	166	21.5	7.9	7.9	26.4	26.4	93.7	93.6	7.1	7.1	4.4	4.4	2	2	90	90	<0.2	<0.2	1.8	1.8			
C3	Fine	Moderate	16:28	11.7	Surface	1.0	0.4	90	20.8	20.8	7.9	7.9	27.8	27.8	94.2	94.2	7.2	7.0	0.8	1.4	2	3	46	49	822099	817787	<0.2	<0.2	1.8	1.7
						1.0	0.4	96	20.8	7.9	7.9	27.9	29.5	94.1	88.2	7.2	7.0	0.8	1.1	3	3	47	48	<0.2	<0.2	1.7	1.6			
						5.9	0.5	93	20.2	7.9	7.9	29.5	29.5	88.2	88.2	6.7	6.7	1.1	1.2	3	4	48	48	<0.2	<0.2	1.6	1.6			
					Middle	5.9	0.5	97	20.2	7.9	7.9	29.5	29.6	88.1	88.0	6.7	6.7	1.2	2.2	4	2	48	51	<0.2	<0.2	1.6	1.9			
						10.7	0.4	72	20.1	7.9	7.9	29.6	29.7	87.9	88.0	6.7	6.7	2.2	2.3	2	4	51	51	<0.2	<0.2	1.9	1.8			
						10.7	0.4	76	20.1	7.9	7.9	29.7	29.7	88.0	88.0	6.7	6.7	2.3	2.3	4	4	51	51	<0.2	<0.2	1.8	1.8			
IM1	Fine	Calm	15:57	6.6	Surface	1.0	0.2	174	21.7	21.7	7.9	7.9	25.5	25.4	101.6	103.4	7.7	7.6	2.1	4.7	2	3	48	75	818350	806461	<0.2	<0.2	1.5	1.5
						1.0	0.3	177	21.7	7.9	7.9	25.3	29.3	101.5	96.3	7.7	7.5	2.4	2.7	3	3	48	49	<0.2	<0.2	1.5	1.5			
						3.3	0.2	205	20.8	7.9	7.9	29.3	29.3	96.2	96.3	7.2	7.3	5.6	5.6	3	3	86	86	<0.2	<0.2	1.6	1.5			
					Middle	3.3	0.1	198	20.8	7.9	7.9	29.3	29.5	96.3	97.0	7.3	7.3	5.6	6.1	4	3	86	92	<0.2	<0.2	1.5	1.5			
						5.6	0.2	197	20.8	7.9	7.9	29.5	29.5	96.9	97.0	7.3	7.3	6.1	6.2	3	4	92	91	<0.2	<0.2	1.5	1.5			
						5.6	0.2	197	20.8	7.9	7.9	29.5	29.5	97.0	97.0	7.3	7.3	6.2	6.2	4	4	91	91	<0.2	<0.2	1.5	1.5			
IM2	Fine	Calm	15:53	7.2	Surface	1.0	0.2	188	21.6	21.6	8.0	8.0	25.3	25.2	103.5	103.4	7.9	7.6	2.7	5.4	2	3	49	72	819197	806212	<0.2	<0.2	1.5	1.5
						1.0	0.2	190	21.5	8.0	8.0	25.2	28.1	103.2	96.9	7.9	7.6	2.8	6.3	3	3	49	79	<0.2	<0.2	1.5	1.6			
						3.6	0.2	170	21.0	8.0	7.9	28.1	28.1	96.9	96.9	7.3	7.3	6.3	6.3	3	3	79	79	<0.2	<0.2	1.6	1.6			
					Middle	3.6	0.2	170	21.0	7.9	7.9	28.1	29.6	96.9	96.9	7.3	7.3	6.3	7.0	3	3	79	88	<0.2	<0.2	1.6	1.5			
						6.2	0.2	192	20.8	7.9	7.9	29.6	29.6	96.8	96.9	7.3	7.3	7.0	7.0	3	4	88	88	<0.2	<0.2	1.5	1.5			
						6.2	0.2	193	20.8	7.9	7.9	29.6	29.6	97.0	97.0	7.3	7.3	7.0	7.0	4	4	88	88	<0.2	<0.2	1.5	1.5			
IM7	Fine	Calm	15:34	7.0	Surface	1.0	0.2	114	21.9	21.9	7.9	7.9	25.2	25.2	95.5	95.4	7.2	7.2	2.0	3.9	3	3	52	76	821361	806822	<0.2	<0.2	1.3	1.3
						1.0	0.2	121	21.8	7.9	7.9	25.2	27.2	95.3	93.7	7.2	7.2	2.2	4.3	4	3	52	87	<0.2	<0.2	1.3	1.4			
						3.5	0.1	123	21.3	7.9	7.9	27.2	27.3	93.7	93.7	7.1	7.1	4.3	4.5	3	4	87	87	<0.2	<0.2	1.3	1.3			
					Middle	3.5	0.1	126	21.3	7.9	7.9	27.3	27.5	93.7	94.5	7.1	7.1	4.5	5.1	4	2	87	90	<0.2	<0.2	1.3	1.4			
						6.0	0.2	137	21.2	7.9	7.9	27.5	27.5	94.5	94.6	7.1	7.2	5.1	5.2	2	3	90	90	<0.2	<0.2	1.4	1.3			
						6.0	0.2	131	21.2	7.9	7.9	27.4	27.4	94.7	94.6	7.2	7.2	5.2	5.2	3	3	90	90	<0.2	<0.2	1.3	1.3			
Bottom	6.0	0.2	137	21.2	7.9	7.9	27.5	27.5	94.5	94.6	7.1	7.2	5.1	5.2	2	3	90	90	<0.2	<0.2	1.4	1.3								
	6.0	0.2	131	21.2	7.9	7.9	27.4	27.4	94.7	94.6	7.2	7.2	5.2	5.2	3	3	90	90	<0.2	<0.2	1.3	1.3								

DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher  
 Value exceeding Action Level is underlined; Value exceeding Limit Level is **bolded and underlined**

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 April 22 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		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			
					Surface		1.0	0.3	112	21.4	21.4	7.9	7.9	25.1	25.1	94.3	94.3	7.2	7.2	1.5	1.5	<2	<2	46	47	49	822248	809857	<0.2	<0.2	1.4	1.4			
IM10	Fine	Moderate	15:06	8.0	Surface		1.0	0.3	112	21.4	21.4	7.9	7.9	25.1	25.1	94.3	94.3	7.2	7.2	1.5	1.5	<2	<2	46	47	49	822248	809857	<0.2	<0.2	1.4	1.4			
							Middle		4.0	0.3	119	20.7	20.7	7.9	7.9	26.9	26.9	89.5	89.5	6.9	7.1	3.6	2.9	3	3	48			49	49	49	<0.2	<0.2	1.8	1.8
									Bottom		4.0	0.3	118	20.7	20.5	7.9	7.9	27.0	27.6	89.4	88.6	6.9	6.8	3.5	6.8	3			3	49	51	52	52	<0.2	<0.2
					Surface		7.0	0.3			112	20.5	20.5	7.9	7.9	27.6	27.6	88.5	88.6	6.8	6.8	3.6	6.8	3	3	51			51	52	52	<0.2	<0.2	1.8	1.8
							Middle		7.0	0.3	116	20.5	21.2	7.9	7.9	27.6	27.6	88.7	88.6	6.8	7.1	3.6	7.1	3	5.4	47			47	49	49	<0.2	<0.2	1.7	1.6
					Bottom				1.0	0.5	98	21.2	20.7	7.9	7.9	25.8	25.9	94.2	94.2	7.2	7.1	1.5	7.1	2	2	47			47	49	49	<0.2	<0.2	1.6	1.5
							Surface		1.0	0.5	93	21.2	20.7	7.9	7.9	25.9	27.2	94.2	90.0	7.2	7.1	1.6	7.1	2	5.4	47			49	49	49	<0.2	<0.2	1.6	1.4
					Middle				4.1	0.5	82	20.7	20.7	7.9	7.9	27.2	27.2	90.1	90.0	6.9	6.9	2.6	6.9	2	2	49			48	48	48	<0.2	<0.2	1.4	1.4
							Bottom		4.1	0.5	80	20.7	20.5	7.9	7.9	27.2	27.9	89.8	87.6	6.9	6.7	2.8	6.7	3	2	48			50	51	51	<0.2	<0.2	1.6	1.4
Surface		7.2	0.5	104	20.5	20.5			7.9	7.9	27.9	27.9	87.5	87.6	6.7	6.7	12.0	6.7	2	2	50	51	52	51	<0.2	<0.2	1.6	1.4							
		Middle		7.2	0.5	97	20.5	21.4	7.9	7.9	27.9	27.9	87.6	87.6	6.7	7.0	12.1	6.7	2	3.7	2	2	49	49	49	49	<0.2	<0.2	1.4	1.3					
Bottom				1.0	0.4	110	21.4	20.6	7.9	7.9	26.0	26.0	95.0	95.0	7.2	7.0	1.3	7.0	3	3	46	47	49	49	<0.2	<0.2	1.3	1.3							
		Surface		1.0	0.4	115	21.3	20.6	7.9	7.9	26.0	27.5	95.0	89.1	7.2	7.1	1.4	7.1	3	3.7	3	3	47	49	49	49	<0.2	<0.2	1.5	1.5					
Middle				4.7	0.5	80	20.6	20.6	7.9	7.9	27.5	27.5	89.1	89.1	6.8	6.8	2.2	6.8	3	3	49	48	51	51	<0.2	<0.2	1.5	1.5							
		Bottom		4.7	0.5	74	20.6	20.4	7.9	7.9	27.5	28.2	89.1	85.9	6.8	6.6	2.2	6.6	2	6.6	48	51	52	52	<0.2	<0.2	1.5	1.8							
Surface				8.3	0.4	106	20.4	20.4	7.9	7.9	28.2	28.2	85.8	85.9	6.6	6.6	7.5	6.6	4	3	51	52	52	52	<0.2	<0.2	1.8	1.6							
		Middle		8.3	0.4	109	20.4	21.1	7.9	7.9	28.2	25.6	86.0	85.9	6.6	7.3	7.6	6.6	3	3	52	52	52	52	<0.2	<0.2	1.6	1.6							
Surface				1.0	0.0	100	21.1	21.1	7.9	7.9	25.6	25.6	94.5	94.5	7.3	7.3	2.8	7.3	3	3	-	-	-	-	-	-	-	-	-	-	-	-			
		Middle		1.0	0.0	106	21.0	21.0	7.9	7.9	25.6	25.6	94.4	94.5	7.3	7.3	2.9	7.3	2	3.7	2	3	-	-	-	-	-	-	-	-	-	-			
Bottom				2.4	0.0	80	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-				
		Surface		2.4	0.1	82	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-				
Middle				3.7	0.0	76	20.4	20.4	7.9	7.9	28.2	28.2	89.5	89.6	6.8	6.9	4.4	6.9	3	3	3	3	-	-	-	-	-	-	-	-	-				
		Bottom		3.7	0.0	75	20.4	20.4	7.9	7.9	28.2	28.2	89.7	89.6	6.9	6.9	4.5	6.9	2	3	2	3	-	-	-	-	-	-	-	-	-				
Surface				1.0	0.4	64	20.6	20.6	7.9	7.9	27.7	27.7	90.3	90.4	6.9	6.9	2.8	6.9	4	4	48	47	49	49	49	821451	814150	<0.2	<0.2	1.6	1.7				
		Middle		1.0	0.4	67	20.6	-	7.9	7.9	27.7	27.7	90.4	90.4	6.9	6.9	2.9	6.9	3	4.0	3	4	47	48	49	49	<0.2	<0.2	1.7	1.7					
Bottom				-	0.4	76	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	4	4	-	-	-	-	821451	814150	<0.2	<0.2	1.6	1.6			
		Surface		-	0.3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	4	4	-	-	-	-	821451	814150	<0.2	<0.2	1.6	1.7			
Middle				2.9	0.3	58	20.3	20.3	7.9	7.9	28.8	28.8	89.8	89.8	6.9	6.9	5.2	6.9	4	4	51	51	51	51	<0.2	<0.2	1.6	1.6							
		Bottom		2.9	0.4	51	20.3	20.3	7.9	7.9	28.8	28.8	89.8	89.8	6.9	6.9	5.3	6.9	5	5	50	50	50	50	<0.2	<0.2	1.7	1.7							
Surface				1.0	0.3	140	21.9	21.9	7.9	7.9	25.2	25.3	96.5	96.4	7.3	7.3	2.4	7.3	3	4.9	3	2	-	-	-	-	822123	807559	-	-	-	-			
		Middle		1.0	0.3	146	21.8	21.6	7.9	7.9	25.4	26.4	96.2	94.9	7.3	7.3	2.6	7.3	3	4.9	3	2	-	-	-	-	822123	807559	-	-	-	-			
Bottom				4.1	0.3	160	21.6	21.6	7.9	7.9	26.3	26.4	94.9	94.9	7.2	7.2	5.8	7.2	2	2	5	2	-	-	-	-	822123	807559	-	-	-	-			
		Surface		4.1	0.3	157	21.6	21.4	7.9	7.9	26.5	27.2	94.8	94.8	7.2	7.2	5.7	7.2	2	2	2	2	-	-	-	-	822123	807559	-	-	-	-			
Middle				7.2	0.2	143	21.4	21.4	7.9	7.9	27.2	27.2	94.7	94.8	7.2	7.2	6.4	7.2	2	2	2	2	-	-	-	-	822123	807559	-	-	-	-			
		Bottom		7.2	0.3	144	21.4	21.4	7.9	7.9	27.2	27.2	94.8	94.8	7.2	7.2	6.5	7.2	2	2	2	2	-	-	-	-	822123	807559	-	-	-	-			
Surface				1.0	0.1	80	21.0	21.0	8.0	8.0	27.0	27.0	99.1	98.8	7.6	7.6	7.1	7.6	3	8.1	3	3	-	-	-	-	817209	807789	-	-	-	-			
		Middle		1.0	0.1	80	20.9	20.9	8.0	8.0	27.0	27.0	98.4	98.8	7.5	7.5	7.0	7.5	3	8.1	3	3	-	-	-	-	817209	807789	-	-	-	-			
Bottom				4.5	0.0	91	20.9	20.9	8.0	8.0	29.2	29.2	94.7	94.8	7.1	7.1	8.1	7.1	4	8.1	4	3	-	-	-	-	817209	807789	-	-	-	-			
		Surface		4.5	-	87	20.9	20.9	8.0	8.0	29.2	29.2	94.8	94.8	7.1	7.1	8.2	7.1	3	8.2	4	3	-	-	-	-	817209	807789	-	-	-	-			
Middle				8.0	0.1	107	20.9	20.9	8.0	8.0	29.2	29.2	96.2	96.3	7.2	7.3	9.0	7.2	3	9.0	3	3	-	-	-	-	817209	807789	-	-	-	-			
		Bottom		8.0	0.1	109	20.9	20.9	8.0	8.0	29.2	29.2	96.3	96.3	7.3	7.3	9.0	7.3	4	9.0	4	3	-	-	-	-	817209	807789	-	-	-	-			
Surface				1.0	-	-	21.3	21.3	7.9	7.9	26.1	26.1	93.7	93.8	7.1	7.1	1.6	7.1	2	4.2	2	3	-	-	-	-	820408	811634	-	-	-	-			
		Middle		1.0	-	-	21.3	21.3	7.9	7.9	26.1	26.1	93.8	93.8	7.1	7.1	1.6	7.1	2	4.2	2	3	-	-	-	-	820408	811634	-	-	-	-			
Bottom				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	4.2	3	-	-	-	-	820408	811634	-	-	-	-			
		Surface		3.8	-	-	20.7	20.7	7.9	7.9	27.2	27.2	90.7	90.7	6.9	6.9	7.0	6.9	3	6.9	3	4	-	-	-	-	820408	811634	-	-	-	-			
Middle				3.8	-	-	20.7	20.7	7.9	7.9	27.2	27.2	90.7	90.7	6.9	6.9	7.																		

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

**Water Quality Monitoring Results on 07 April 22 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		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	Calm	09:25	8.6	Surface	1.0	0.2	26	20.6	20.6	8.0	8.0	25.7	25.7	96.4	96.3	7.5	7.3	4.1	5.2	2	3	46	73	815607	804245	<0.2	1.5	<0.2	1.3						
						1.0	0.2	19	20.6	20.5	8.0	8.0	25.7	30.8	95.6	95.6	7.4	7.3	4.1	5.2	2	3	46	73	815607	804245	<0.2	1.3	<0.2	1.3						
						4.3	0.3	35	20.5	20.5	8.0	8.0	30.8	30.8	95.6	95.6	7.2	7.3	5.1	5.2	4	3	87	73	815607	804245	<0.2	1.6	<0.2	1.7						
						4.3	0.2	33	20.5	20.7	8.0	8.0	30.8	30.6	95.6	95.8	7.2	7.2	5.0	6.4	3	4	87	73	815607	804245	<0.2	1.6	<0.2	1.5						
					Bottom	7.6	0.2	54	20.6	20.7	8.0	8.0	30.6	30.6	95.7	95.8	7.2	7.2	6.4	6.4	4	5	87	73	815607	804245	<0.2	1.6	<0.2	1.5						
						7.6	0.2	48	20.7	20.7	8.0	8.0	30.6	30.6	95.8	95.8	7.2	7.2	6.4	6.4	5	5	87	73	815607	804245	<0.2	1.5	<0.2	1.5						
						C2	Fine	Calm	10:29	9.8	Surface	1.0	0.3	352	21.6	21.6	7.9	7.9	24.3	24.3	92.8	92.7	7.1	7.0	2.6	4.1	3	3	45	73	825684	806933	<0.2	1.4	<0.2	1.4
												1.0	0.3	347	21.5	21.3	7.9	7.9	24.3	26.5	92.6	90.5	7.1	7.0	2.7	4.6	4	3	45	73	825684	806933	<0.2	1.5	<0.2	1.4
4.9	0.3	332	21.3	21.3	7.9							7.9	26.5	26.6	90.5	90.4	6.9	6.8	4.6	4.8	4	3	86	73	825684	806933	<0.2	1.4	<0.2	1.4						
4.9	0.3	328	21.3	21.4	7.9							7.9	26.6	26.7	90.4	89.7	6.9	6.8	4.8	5.0	3	3	86	73	825684	806933	<0.2	1.4	<0.2	1.4						
Bottom	8.8	0.3	323	21.3	21.4						7.9	7.9	26.7	26.6	89.4	89.7	6.8	6.8	5.0	5.1	3	3	86	73	825684	806933	<0.2	1.4	<0.2	1.4						
	8.8	0.3	320	21.4	21.4						7.9	7.9	26.7	26.6	89.9	89.7	6.8	6.8	5.0	5.1	3	3	87	73	825684	806933	<0.2	1.4	<0.2	1.4						
	C3	Sunny	Moderate	09:16	12.0						Surface	1.0	0.3	273	20.6	20.6	7.8	7.8	26.4	26.4	92.0	92.0	7.1	6.8	1.4	2.7	3	4	46	49	822126	817813	<0.2	1.4	<0.2	1.4
												1.0	0.2	272	20.6	20.2	7.8	7.8	26.4	29.0	91.9	85.1	7.1	6.5	1.4	4.8	3	4	47	49	822126	817813	<0.2	1.5	<0.2	1.6
6.0						0.3	271	20.2	20.2	7.8		7.8	28.9	29.0	85.2	85.0	6.5	6.5	1.9	2.1	3	4	50	49	822126	817813	<0.2	1.6	<0.2	1.5						
6.0						0.3	266	20.2	20.1	7.8		7.8	29.0	29.7	85.0	84.4	6.5	6.4	2.1	4.8	4	4	49	52	822126	817813	<0.2	1.5	<0.2	1.6						
Bottom						11.0	0.3	269	20.1	20.1	7.8	7.8	29.7	29.7	84.4	84.5	6.4	6.4	4.8	4.7	4	4	52	51	822126	817813	<0.2	1.6	<0.2	1.5						
						11.0	0.3	264	20.1	20.1	7.8	7.8	29.7	29.7	84.5	84.5	6.4	6.4	4.7	4.7	4	4	51	51	822126	817813	<0.2	1.5	<0.2	1.5						
						IM1	Fine	Calm	09:42	6.0	Surface	1.0	0.2	16	21.4	21.4	8.0	8.0	26.4	26.4	98.6	98.8	7.5	7.4	4.6	6.1	3	3	52	76	818329	806457	<0.2	1.6	<0.2	1.6
												1.0	0.2	19	21.4	21.0	7.9	7.9	26.4	28.5	98.9	95.8	7.5	7.2	4.5	6.7	3	4	52	86	818329	806457	<0.2	1.5	<0.2	1.6
3.0	0.2	29	21.0	21.0	7.9							7.9	28.4	28.5	95.7	95.8	7.2	7.2	6.7	6.7	3	4	86	86	818329	806457	<0.2	1.6	<0.2	1.6						
3.0	0.3	25	21.0	20.9	7.9							7.9	28.5	28.7	95.8	96.0	7.2	7.2	6.7	7.0	4	3	86	89	818329	806457	<0.2	1.6	<0.2	1.6						
Bottom	5.0	0.2	39	20.9	20.9						7.9	7.9	28.7	28.7	96.0	96.0	7.2	7.2	7.0	7.1	4	3	89	89	818329	806457	<0.2	1.6	<0.2	1.6						
	5.0	0.2	34	20.9	20.9						7.9	7.9	28.7	28.7	96.0	96.0	7.2	7.2	7.0	7.1	3	3	89	89	818329	806457	<0.2	1.4	<0.2	1.4						
	IM2	Fine	Calm	09:47	7.2						Surface	1.0	0.2	12	21.2	21.2	7.9	7.9	26.7	26.6	96.6	96.5	7.4	7.3	4.1	5.2	3	3	48	74	819205	806247	<0.2	1.6	<0.2	1.6
												1.0	0.1	19	21.1	21.0	7.9	7.9	26.5	28.3	96.4	95.8	7.3	7.2	4.1	5.3	3	4	48	86	819205	806247	<0.2	1.5	<0.2	1.6
3.6						0.2	17	21.0	21.0	7.9		7.9	28.3	28.3	95.8	95.8	7.2	7.2	5.3	5.3	3	4	86	86	819205	806247	<0.2	1.6	<0.2	1.6						
3.6						0.2	11	21.0	21.0	7.9		7.9	28.3	28.5	95.8	96.1	7.2	7.3	5.3	6.1	4	4	86	87	819205	806247	<0.2	1.7	<0.2	1.7						
Bottom						6.2	0.1	32	20.9	21.0	7.9	7.9	28.5	28.5	96.1	96.2	7.3	7.3	6.1	6.2	4	3	87	87	819205	806247	<0.2	1.7	<0.2	1.7						
						6.2	0.2	25	21.0	21.0	7.9	7.9	28.5	28.5	96.3	96.2	7.3	7.3	6.2	6.2	3	3	87	87	819205	806247	<0.2	1.6	<0.2	1.6						
						IM7	Fine	Calm	10:05	8.4	Surface	1.0	0.2	338	21.7	21.7	7.9	7.9	25.2	25.3	93.6	93.6	7.1	7.1	2.1	4.5	2	3	49	76	821358	806845	<0.2	1.4	<0.2	1.3
												1.0	0.1	337	21.7	21.2	7.9	7.9	25.3	27.4	93.5	92.0	7.1	7.0	2.3	5.2	2	4	49	88	821358	806845	<0.2	1.3	<0.2	1.3
4.2	0.1	339	21.2	21.2	7.9							7.9	27.4	27.4	91.9	92.1	7.0	7.0	5.2	5.3	2	4	88	88	821358	806845	<0.2	1.3	<0.2	1.2						
4.2	0.1	342	21.2	21.2	7.9							7.9	27.4	27.8	92.1	93.5	7.0	7.1	5.3	6.1	4	4	88	91	821358	806845	<0.2	1.2	<0.2	1.2						
Bottom	7.4	0.2	353	21.2	21.2						7.9	7.9	27.8	27.8	93.5	93.6	7.1	7.1	6.1	6.1	4	4	87	91	821358	806845	<0.2	1.2	<0.2	1.2						
	7.4	0.2	357	21.2	21.2						7.9	7.9	27.8	27.8	93.6	93.6	7.1	7.1	6.1	6.1	4	4	87	91	821358	806845	<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 07 April 22 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		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		
IM10	Sunny	Moderate	10:31	7.7	Surface	1.0	0.3	285	20.8	20.8	7.9	7.9	25.2	25.2	88.2	88.1	6.8	6.8	2.2	2.2	2	2	46	46	49	822235	809819	<0.2	<0.2	1.4	1.4		
						1.0	0.3	288	20.8	20.8	7.9	7.9	25.3	25.3	87.9	87.9	6.8	6.8	2.5	2.5	2	2	47	47	46	46	49	822235	809819	<0.2	<0.2	1.4	1.4
					Middle	3.9	0.4	300	20.5	20.5	7.9	7.9	27.5	27.5	84.8	84.8	6.5	6.5	6.7	6.7	6.5	6.5	3	3	49	49	49	822235	809819	<0.2	<0.2	1.6	1.6
						3.9	0.4	305	20.5	20.5	7.9	7.9	27.5	27.5	84.8	84.8	6.5	6.5	6.7	6.7	6.5	6.5	3	3	50	50	49	822235	809819	<0.2	<0.2	1.6	1.6
						6.7	0.4	313	20.5	20.5	7.9	7.9	27.6	27.6	85.4	85.4	6.5	6.5	8.4	8.4	6.6	6.6	2	2	51	51	49	822235	809819	<0.2	<0.2	1.6	1.6
						6.7	0.4	309	20.5	20.5	7.9	7.9	27.6	27.6	85.6	85.6	6.6	6.6	8.4	8.4	6.6	6.6	3	3	52	52	49	822235	809819	<0.2	<0.2	1.7	1.7
IM11	Sunny	Moderate	10:23	8.5	Surface	1.0	0.4	288	21.1	21.1	7.9	7.9	24.8	24.8	91.0	91.0	7.0	7.0	1.9	1.9	3	3	47	47	49	821506	810547	<0.2	<0.2	1.5	1.5		
						1.0	0.4	290	21.1	21.1	7.9	7.9	24.8	24.8	91.0	91.0	7.0	7.0	1.9	1.9	3	3	47	47	49	821506	810547	<0.2	<0.2	1.4	1.4		
					Middle	4.3	0.4	269	20.4	20.4	7.9	7.9	27.9	27.9	84.7	84.7	6.5	6.5	6.7	6.7	6.5	6.5	5	5	49	49	49	821506	810547	<0.2	<0.2	1.5	1.5
						4.3	0.4	268	20.4	20.4	7.9	7.9	27.9	27.9	84.7	84.7	6.5	6.5	6.7	6.7	6.5	6.5	4	4	48	48	49	821506	810547	<0.2	<0.2	1.7	1.7
						7.5	0.4	274	20.3	20.3	7.9	7.9	28.1	28.1	84.5	84.5	6.5	6.5	9.3	9.3	6.5	6.5	5	5	51	51	49	821506	810547	<0.2	<0.2	1.5	1.5
						7.5	0.5	274	20.3	20.3	7.9	7.9	28.1	28.1	84.5	84.5	6.5	6.5	9.3	9.3	6.5	6.5	4	4	52	52	49	821506	810547	<0.2	<0.2	1.5	1.5
IM12	Sunny	Moderate	10:17	9.7	Surface	1.0	0.5	284	21.1	21.1	7.9	7.9	24.5	24.5	91.6	91.6	7.1	7.1	1.8	1.8	2	2	46	46	49	821143	811525	<0.2	<0.2	1.3	1.3		
						1.0	0.5	289	21.1	21.1	7.9	7.9	24.6	24.6	91.5	91.5	7.1	7.1	1.8	1.8	2	2	47	47	49	821143	811525	<0.2	<0.2	1.2	1.2		
					Middle	4.9	0.4	296	20.6	20.6	7.9	7.9	26.8	26.8	87.1	87.1	6.7	6.7	2.9	2.9	6.9	6.9	2	2	48	48	49	821143	811525	<0.2	<0.2	1.2	1.2
						4.9	0.4	295	20.6	20.6	7.9	7.9	26.8	26.8	87.1	87.1	6.7	6.7	3.0	3.0	6.9	6.9	2	2	49	49	49	821143	811525	<0.2	<0.2	1.3	1.3
						8.7	0.4	260	20.3	20.3	7.9	7.9	28.3	28.3	82.8	82.8	6.3	6.3	12.8	12.8	6.3	6.3	<2	<2	50	50	49	821143	811525	<0.2	<0.2	1.3	1.3
						8.7	0.4	254	20.3	20.3	7.9	7.9	28.3	28.3	82.8	82.8	6.3	6.3	12.9	12.9	6.3	6.3	<2	<2	51	51	49	821143	811525	<0.2	<0.2	1.3	1.3
SR1A	Sunny	Moderate	09:51	5.8	Surface	1.0	0.0	198	21.0	21.0	7.9	7.9	24.1	24.1	92.8	92.8	7.2	7.2	1.7	1.7	2	2	-	-	-	819981	812661	-	-	-	-		
						1.0	0.0	200	21.0	21.0	7.9	7.9	24.1	24.1	92.7	92.7	7.2	7.2	1.8	1.8	2	2	-	-	-	819981	812661	-	-	-	-		
					Middle	2.9	0.0	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	7.2	4.0	4.0	2	2	-	-	-	-	
						2.9	-	183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.8	0.1	178	20.9	20.9	7.9	7.8	25.6	25.6	88.5	88.4	6.8	6.8	6.2	6.2	6.8	6.8	3	3	-	-	-	819981	812661	-	-	-	-
						4.8	0.0	174	20.9	20.9	7.8	7.8	25.6	25.6	88.3	88.4	6.8	6.8	6.2	6.2	6.8	6.8	2	2	-	-	-	819981	812661	-	-	-	-
SR2	Sunny	Moderate	09:36	5.0	Surface	1.0	0.1	234	20.7	20.7	7.9	7.9	25.8	25.8	88.1	87.9	6.8	6.8	2.7	2.7	3	3	47	47	49	821461	814170	<0.2	<0.2	1.7	1.7		
						1.0	0.1	239	20.6	20.6	7.9	7.9	25.8	25.8	87.6	87.6	6.8	6.8	2.9	2.9	6.8	6.8	2	2	47	47	49	821461	814170	<0.2	<0.2	1.8	1.8
					Middle	-	0.1	211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6.8	3.6	3.6	3	3	-	-	-	-
						-	0.1	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.0	0.1	203	20.4	20.4	7.8	7.8	27.9	27.9	85.9	85.9	6.6	6.6	4.3	4.3	6.6	6.6	2	2	49	49	49	821461	814170	<0.2	<0.2	1.6	1.6
						4.0	0.2	206	20.4	20.4	7.8	7.8	27.9	27.9	85.9	85.9	6.6	6.6	4.4	4.4	6.6	6.6	3	3	51	51	49	821461	814170	<0.2	<0.2	1.6	1.6
SR3	Fine	Calm	10:12	8.2	Surface	1.0	0.3	344	21.5	21.5	7.9	7.9	26.5	26.5	92.0	92.0	7.0	7.0	2.8	2.8	4	4	-	-	-	822160	807557	-	-	-	-		
						1.0	0.3	342	21.5	21.5	7.9	7.9	26.5	26.5	92.0	92.0	7.0	7.0	2.9	2.9	7.0	7.0	3	3	-	-	-	822160	807557	-	-	-	-
					Middle	4.1	0.3	357	21.5	21.5	7.9	7.9	26.7	26.7	92.4	92.5	7.0	7.0	3.4	3.4	7.0	7.0	3	3	-	-	-	822160	807557	-	-	-	-
						4.1	0.3	356	21.5	21.5	7.9	7.9	26.7	26.7	92.5	92.5	7.0	7.0	3.3	3.3	7.0	7.0	3	3	-	-	-	822160	807557	-	-	-	-
						7.2	0.3	341	21.5	21.5	7.9	7.9	26.7	26.7	93.8	93.9	7.1	7.1	4.1	4.1	7.1	7.1	3	3	-	-	-	822160	807557	-	-	-	-
						7.2	0.3	346	21.5	21.5	7.9	7.9	26.7	26.7	94.0	94.0	7.1	7.1	4.2	4.2	7.1	7.1	2	2	-	-	-	822160	807557	-	-	-	-
SR4A	Fine	Calm	09:04	9.4	Surface	1.0	0.0	169	21.1	21.1	7.9	7.9	27.8	27.8	93.2	93.2	7.1	7.1	5.6	5.6	5	5	-	-	-	817196	807812	-	-	-	-		
						1.0	0.1	167	21.1	21.1	7.9	7.9	27.9	27.9	93.1	93.1	7.0	7.0	5.6	5.6	7.0	7.0	4	4	-	-	-	817196	807812	-	-	-	-
					Middle	4.7	0.0	184	20.9	20.9	7.9	7.9	28.5	28.5	93.0	93.0	7.0	7.0	7.0	7.0	7.0	7.0	5	5	-	-	-	817196	807812	-	-	-	-
						4.7	0.0	188	20.9	20.9	7.9	7.9	28.5	28.5	93.0	93.0	7.0	7.0	7.1	7.1	7.0	7.0	5	5	-	-	-	817196	807812	-	-	-	-
						8.4	0.0	164	20.9	20.9	7.8	7.8	28.6	28.6	93.3	93.3	7.0	7.0	8.8	8.8	7.1	7.1	5	5	-	-	-	817196	807812	-	-	-	-
						8.4	0.0	166	20.9	20.9	7.8	7.8	28.6	28.6	93.3	93.3	7.1	7.1	8.9	8.9	7.1	7.1	5	5	-	-	-	817196	807812	-	-	-	-
SR8	Sunny	Moderate	10:14	4.6	Surface	1.0	-	-	21.1	21.1	8.0	8.0	24.5	24.5	91.0	91.0	7.0	7.0	5.4	5.4	3	3	-	-	-	820382	811636	-	-	-	-		
						1.0	-	-	21.1	21.1	8.0	8.0	24.6	24.6	90.9	90.9	7.0	7.0	5.8	5.8	7.0	7.0	2	2	-	-	-	820382	811636	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	7.0	9.3	9.3	3	3	-	-		

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

**Water Quality Monitoring Results on 09 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	18:47	8.5	Surface	1.0	0.4	226	21.5	8.1	8.1	<u>28.9</u>	<u>29.0</u>	<u>104.2</u>	<u>104.2</u>	<u>7.8</u>	<u>7.6</u>	4.6	5	47	50	47	50	815618	804230	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2							
						1.0	0.4	225	21.5	8.1	8.1	<u>29.0</u>	<u>29.0</u>	<u>104.1</u>	<u>104.1</u>	<u>7.8</u>	<u>7.6</u>	4.7	4	48	48	48	50	48	50			<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.2					
						4.3	0.4	203	21.4	8.1	8.1	<u>29.9</u>	<u>29.9</u>	<u>99.9</u>	<u>99.9</u>	<u>7.4</u>	<u>7.4</u>	6.3	5	48	4	48	4	50	53	815618	804230	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2					
					4.3	0.4	204	21.4	8.1	8.1	<u>29.9</u>	<u>29.9</u>	<u>99.9</u>	<u>99.9</u>	<u>7.4</u>	<u>7.4</u>	6.3	4	50	5	48	4	50	53	815618	804230	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
					7.5	0.4	210	21.5	8.2	8.2	<u>30.3</u>	<u>30.3</u>	<u>100.4</u>	<u>100.4</u>	<u>7.5</u>	<u>7.5</u>	6.5	4	53	4	53	4	53	4	53	815618	804230	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2					
					7.5	0.4	206	21.5	8.2	8.2	<u>30.3</u>	<u>30.3</u>	<u>100.5</u>	<u>100.5</u>	<u>7.5</u>	<u>7.5</u>	6.6	4	51	4	51	4	51	4	51	815618	804230	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2					
					C2	Fine	Moderate	17:58	11.8	Surface	1.0	0.4	186	21.7	8.1	8.1	<u>28.1</u>	<u>28.2</u>	<u>100.4</u>	<u>100.5</u>	<u>7.5</u>	<u>7.4</u>	8.5	3	47	4	48	50	825680	806932	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2		
											1.0	0.4	184	21.7	8.1	8.1	<u>28.2</u>	<u>28.2</u>	<u>100.5</u>	<u>100.5</u>	<u>7.5</u>	<u>7.4</u>	8.6	2	48	4	48	4	50	53	825680	806932	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
											5.9	0.4	186	21.6	8.1	8.1	<u>28.9</u>	<u>28.9</u>	<u>96.9</u>	<u>96.9</u>	<u>7.2</u>	<u>7.2</u>	9.9	4	48	4	48	4	50	53	825680	806932	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
5.9	0.4	191	21.6	8.1						8.1	<u>28.9</u>	<u>28.9</u>	<u>96.9</u>	<u>96.9</u>	<u>7.2</u>	<u>7.2</u>	9.9	4	48	4	48	4	50	53	825680	806932	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
10.8	0.4	179	21.6	8.1						8.1	<u>28.9</u>	<u>28.9</u>	<u>97.2</u>	<u>97.3</u>	<u>7.3</u>	<u>7.3</u>	10.5	4	52	4	52	4	53	53	825680	806932	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.1						
10.8	0.4	179	21.6	8.1						8.1	<u>28.9</u>	<u>28.9</u>	<u>97.3</u>	<u>97.3</u>	<u>7.3</u>	<u>7.3</u>	10.5	5	53	5	53	5	53	53	825680	806932	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.1						
C3	Fine	Moderate	18:22	11.4						Surface	1.0	0.3	79	21.2	8.0	8.0	<u>30.8</u>	<u>30.8</u>	<u>105.1</u>	<u>105.1</u>	<u>7.8</u>	<u>7.5</u>	1.5	5	46	5	46	49	822104	817779	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2		
											1.0	0.3	77	21.2	8.0	8.0	<u>30.8</u>	<u>30.8</u>	<u>105.0</u>	<u>105.0</u>	<u>7.8</u>	<u>7.5</u>	1.5	6	47	6	47	5	46	49	822104	817779	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.2
											5.7	0.3	54	20.7	8.0	8.0	<u>31.9</u>	<u>32.0</u>	<u>97.3</u>	<u>97.3</u>	<u>7.2</u>	<u>7.2</u>	2.0	6	49	6	49	5	48	51	822104	817779	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.2
					5.7	0.4	48	20.7	8.0	8.0	<u>32.0</u>	<u>32.0</u>	<u>97.2</u>	<u>97.2</u>	<u>7.2</u>	<u>7.2</u>	2.2	5	48	4	48	4	51	51	822104	817779	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
					10.4	0.3	54	20.6	8.0	8.0	<u>32.3</u>	<u>32.3</u>	<u>92.4</u>	<u>92.4</u>	<u>6.9</u>	<u>6.9</u>	2.8	3	51	3	51	3	51	3	51	822104	817779	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.1					
					10.4	0.3	49	20.6	8.0	8.0	<u>32.3</u>	<u>32.3</u>	<u>92.4</u>	<u>92.4</u>	<u>6.9</u>	<u>6.9</u>	2.9	4	52	4	52	4	52	4	52	822104	817779	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.1					
					IM1	Fine	Moderate	18:37	6.8	Surface	1.0	0.3	181	21.5	8.0	8.0	<u>29.5</u>	<u>29.5</u>	<u>105.6</u>	<u>105.7</u>	<u>7.9</u>	<u>7.7</u>	6.5	4	47	4	47	49	818362	806450	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2		
											1.0	0.2	174	21.5	8.0	8.0	<u>29.5</u>	<u>29.5</u>	<u>105.8</u>	<u>105.8</u>	<u>7.9</u>	<u>7.7</u>	6.5	3	47	3	47	4	48	51	818362	806450	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
											3.4	0.3	174	21.3	8.0	8.0	<u>29.8</u>	<u>29.8</u>	<u>99.1</u>	<u>99.2</u>	<u>7.4</u>	<u>7.4</u>	8.9	3	48	4	48	4	50	51	818362	806450	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
3.4	0.3	177	21.3	8.0						8.0	<u>29.8</u>	<u>29.8</u>	<u>99.2</u>	<u>99.2</u>	<u>7.4</u>	<u>7.4</u>	8.8	4	48	4	48	4	50	51	818362	806450	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
5.8	0.3	216	21.3	8.0						8.0	<u>29.8</u>	<u>29.8</u>	<u>100.3</u>	<u>100.4</u>	<u>7.5</u>	<u>7.5</u>	9.4	4	50	4	50	4	51	51	818362	806450	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
5.8	0.3	215	21.3	8.0						8.0	<u>29.8</u>	<u>29.8</u>	<u>100.4</u>	<u>100.4</u>	<u>7.5</u>	<u>7.5</u>	9.5	5	51	5	51	5	51	51	818362	806450	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.1						
IM2	Fine	Moderate	18:32	7.2						Surface	1.0	0.3	183	21.5	8.1	8.1	<u>29.5</u>	<u>29.5</u>	<u>102.4</u>	<u>102.5</u>	<u>7.6</u>	<u>7.5</u>	7.5	4	48	3	46	49	819178	806228	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2		
											1.0	0.3	179	21.5	8.1	8.1	<u>29.5</u>	<u>29.5</u>	<u>102.6</u>	<u>102.6</u>	<u>7.6</u>	<u>7.5</u>	7.5	3	46	3	46	4	49	51	819178	806228	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
											3.6	0.3	204	21.4	8.1	8.1	<u>29.7</u>	<u>29.7</u>	<u>98.6</u>	<u>98.6</u>	<u>7.4</u>	<u>7.4</u>	9.4	3	49	3	49	4	49	51	819178	806228	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
					3.6	0.2	208	21.4	8.1	8.1	<u>29.8</u>	<u>29.8</u>	<u>98.6</u>	<u>98.6</u>	<u>7.4</u>	<u>7.4</u>	9.5	4	49	4	49	4	51	51	819178	806228	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
					6.2	0.3	188	21.3	8.1	8.1	<u>30.1</u>	<u>30.1</u>	<u>99.3</u>	<u>99.4</u>	<u>7.4</u>	<u>7.4</u>	10.5	4	51	4	51	4	51	51	819178	806228	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.1	1.1						
					6.2	0.3	188	21.3	8.1	8.1	<u>30.1</u>	<u>30.1</u>	<u>99.4</u>	<u>99.4</u>	<u>7.4</u>	<u>7.4</u>	10.5	4	52	4	52	4	52	4	52	819178	806228	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2					
					IM7	Fine	Moderate	18:15	8.1	Surface	1.0	0.3	181	21.8	8.0	8.0	<u>26.9</u>	<u>26.9</u>	<u>106.8</u>	<u>106.9</u>	<u>8.0</u>	<u>7.7</u>	6.4	5	47	4	46	49	821370	806840	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.3		
											1.0	0.3	175	21.7	8.0	8.0	<u>26.9</u>	<u>26.9</u>	<u>106.9</u>	<u>106.9</u>	<u>8.1</u>	<u>7.7</u>	6.5	4	46	4	46	4	49	51	821370	806840	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2
											4.1	0.2	180	21.5	8.0	8.0	<u>29.3</u>	<u>29.3</u>	<u>98.7</u>	<u>98.7</u>	<u>7.4</u>	<u>7.4</u>	7.5	4	49	4	49	4	50	51	821370	806840	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.3
4.1	0.2	174	21.5	8.0						8.0	<u>29.3</u>	<u>29.3</u>	<u>98.7</u>	<u>98.7</u>	<u>7.4</u>	<u>7.4</u>	7.6	3	49	3	49	4	50	51	821370	806840	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
7.1	0.2	185	21.5	8.0						8.0	<u>29.3</u>	<u>29.3</u>	<u>99.2</u>	<u>99.3</u>	<u>7.4</u>	<u>7.4</u>	9.2	3	51	3	51	4	51	51	821370	806840	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	1.2						
7.1	0.1	180	21.5	8.0						8.0	<u>29.3</u>	<u>29.3</u>	<u>99.4</u>	<u>99.3</u>	<u>7.4</u>	<u>7.4</u>	9.2	3	51	3	51	3	51	51	821370	806840	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.2	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 09 April 22 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		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	Value
IM10	Fine	Moderate	17:00	8.5	Surface	1.0	0.3	92	21.7	21.7	8.1	8.1	28.4	28.4	104.9	104.9	7.8	7.8	1.8	1.8	2	3	47	49	<0.2	1.2	1.2	1.1	1.1		
						1.0	0.3	97	21.7	21.7	8.1	8.1	28.4	28.4	104.8	104.8	7.8	7.8	1.9	1.9	3	3	48	48	<0.2	1.2	1.2				
						4.3	0.3	102	21.2	21.2	8.0	8.0	29.1	29.1	100.0	100.0	7.5	7.5	2.9	2.9	2	3	48	49	<0.2	1.0	1.1				
					4.3	0.3	109	21.2	21.2	8.0	8.0	29.1	29.1	100.0	100.0	7.5	7.5	3.3	3.3	3	3	49	52	<0.2	1.2	1.2					
					7.5	0.3	116	21.1	21.1	8.0	8.0	29.5	29.5	90.6	90.7	6.8	6.8	6.0	6.0	3	3	52	52	<0.2	1.2	1.2					
					7.5	0.3	113	21.1	21.1	8.0	8.0	29.5	29.5	90.7	90.7	6.8	6.8	5.9	5.9	4	4	52	52	<0.2	1.1	1.1					
IM11	Fine	Moderate	17:08	8.0	Surface	1.0	0.4	100	21.3	21.4	8.0	8.0	28.8	28.8	103.5	103.5	7.8	7.8	2.3	2.3	3	3	47	49	<0.2	1.2	1.2	1.2	1.2		
						1.0	0.3	107	21.4	21.4	8.0	8.0	28.8	28.8	103.4	103.4	7.7	7.7	4.2	4.2	2	2	47	49	<0.2	1.2	1.2				
						4.0	0.3	80	21.1	21.1	8.0	8.0	29.3	29.4	90.0	90.1	6.7	6.7	4.2	4.4	4	3	49	49	<0.2	1.2	1.2				
					4.0	0.3	84	21.1	21.1	8.0	8.0	29.4	29.4	90.2	90.2	6.8	6.8	4.4	4.4	3	3	49	51	<0.2	1.2	1.2					
					7.0	0.3	81	21.1	21.1	8.0	8.0	29.5	29.5	92.0	92.1	6.9	6.9	5.1	5.1	3	3	51	52	<0.2	1.2	1.2					
					7.0	0.4	78	21.1	21.1	8.0	8.0	29.5	29.5	92.1	92.1	6.9	6.9	5.1	5.1	4	4	52	52	<0.2	1.0	1.0					
IM12	Fine	Moderate	17:19	8.8	Surface	1.0	0.3	98	21.4	21.4	8.0	8.0	29.0	29.0	104.4	104.4	7.8	7.8	2.7	2.7	2	2	47	49	<0.2	1.2	1.2	1.2	1.2		
						1.0	0.3	90	21.4	21.4	8.0	8.0	29.0	29.0	104.4	104.4	7.8	7.8	2.6	2.6	2	2	48	49	<0.2	1.2	1.2				
						4.4	0.4	118	21.0	21.0	8.0	8.0	30.0	30.0	89.9	89.9	6.7	6.7	7.7	7.7	2	2	49	48	<0.2	1.1	1.0				
					4.4	0.4	121	21.0	21.0	8.0	8.0	30.0	30.0	89.9	89.9	6.7	6.7	8.3	8.3	3	3	48	51	<0.2	1.0	1.2					
					7.8	0.3	97	21.0	21.0	8.0	8.0	30.1	30.1	90.6	90.7	6.8	6.8	10.8	10.8	2	2	51	53	<0.2	1.2	1.2					
					7.8	0.3	93	21.0	21.0	8.0	8.0	30.1	30.1	90.8	90.8	6.8	6.8	10.9	10.9	2	2	53	53	<0.2	1.2	1.2					
SR1A	Fine	Moderate	17:48	5.7	Surface	1.0	0.0	99	21.6	21.6	8.0	8.0	28.7	28.7	102.5	102.5	7.6	7.6	3.4	3.4	2	-	-	-	-	-	-	-	-		
						1.0	0.1	103	21.6	21.6	8.0	8.0	28.7	28.7	102.5	102.5	7.6	7.6	3.5	3.5	3	-	-	-	-	-	-	-	-		
						2.9	0.0	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-	3	-	-	-	-	-	
					2.9	0.0	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.7	0.0	98	21.0	21.0	8.0	8.0	30.0	30.0	91.8	91.9	6.9	6.9	5.8	5.8	3	-	-	-	-	-	-	-	-	-		
					4.7	0.0	96	21.0	21.0	8.0	8.0	30.0	30.0	91.9	91.9	6.9	6.9	5.6	5.6	2	-	-	-	-	-	-	-	-	-	-	
SR2	Fine	Moderate	18:01	4.2	Surface	1.0	0.3	59	21.4	21.4	8.0	8.0	29.3	29.3	112.7	112.7	8.4	8.4	2.1	2.1	2	2	49	48	<0.2	1.0	1.1	1.1	1.1		
						1.0	0.3	53	21.4	21.4	8.0	8.0	29.3	29.3	112.6	112.6	8.4	8.4	2.1	2.1	2	2	48	48	<0.2	1.1	1.1				
						-	0.3	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	-	3	-	-			-	-
					-	0.3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-
					3.2	0.3	48	21.1	21.1	8.0	8.0	30.0	30.0	104.8	104.6	7.8	7.8	2.6	2.6	3	3	51	50	<0.2	1.1	1.1					
					3.2	0.4	54	21.1	21.1	8.0	8.0	30.1	30.1	104.4	104.4	7.8	7.8	2.8	2.8	3	3	50	50	<0.2	1.0	1.0					
SR3	Fine	Moderate	18:09	8.9	Surface	1.0	0.3	172	21.6	21.6	8.0	8.0	27.9	27.9	103.6	103.7	7.8	7.8	6.8	6.8	2	-	-	-	-	-	-	-			
						1.0	0.3	173	21.6	21.6	8.0	8.0	28.0	28.0	103.7	103.7	7.8	7.8	6.7	6.7	3	-	-	-	-	-	-				
						4.5	0.4	164	21.5	21.5	8.0	8.0	28.5	28.5	94.8	94.9	7.1	7.1	7.5	7.5	2	2	-	-	-	-	-	-			
					4.5	0.4	167	21.5	21.5	8.0	8.0	28.6	28.6	94.9	94.9	7.1	7.1	7.5	7.5	2	2	-	-	-	-	-	-	-			
					7.9	0.4	170	21.5	21.5	8.0	8.0	28.8	28.8	95.9	96.0	7.2	7.2	8.5	8.5	<2	<2	-	-	-	-	-	-	-			
					7.9	0.4	168	21.5	21.5	8.0	8.0	28.8	28.8	96.0	96.0	7.2	7.2	8.6	8.6	<2	<2	-	-	-	-	-	-	-			
SR4A	Fine	Moderate	19:03	8.8	Surface	1.0	0.0	40	21.7	21.7	8.1	8.1	28.9	28.9	108.8	108.9	8.1	8.1	6.4	6.4	2	-	-	-	-	-	-				
						1.0	0.0	45	21.7	21.7	8.1	8.1	28.9	28.9	109.0	109.0	8.1	8.1	6.5	6.5	3	-	-	-	-	-	-				
						4.4	0.1	64	21.6	21.6	8.1	8.1	29.0	29.0	98.6	98.7	7.4	7.4	8.0	8.0	2	2	-	-	-	-	-				
					4.4	0.1	60	21.6	21.6	8.1	8.1	29.0	29.0	98.7	98.7	7.4	7.4	7.9	7.9	2	2	-	-	-	-	-	-				
					7.8	0.0	47	21.6	21.6	8.1	8.1	29.0	29.0	99.9	100.0	7.5	7.5	9.0	9.0	2	2	-	-	-	-	-	-				
					7.8	0.0	52	21.6	21.6	8.1	8.1	29.0	29.0	100.1	100.1	7.5	7.5	9.0	9.0	2	2	-	-	-	-	-	-				
SR8	Fine	Moderate	17:25	5.4	Surface	1.0	-	-	21.5	21.5	8.0	8.0	29.5	29.5	97.1	97.4	7.2	7.2	3.7	3.7	2	-	-	-	-	-	-				
						1.0	-	-	21.5	21.5	8.0	8.0	29.4	29.4	97.6	97.6	7.3	7.3	3.7	3.7	4	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	-	4	-	-	-	-		
					4.4	-	-	21.2	21.2	8.0	8.0	29.7	29.7	93.9	93.9	7.0	7.0	4.3	4.3	4	4	-	-	-	-	-					
					4.4	-	-	21.2	21.2	8.0	8.0	29.7	29.7	93.9	93.9	7.0	7.0	4.3	4.3	5	5	-	-	-	-	-					

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 09 April 22 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		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	06:20	8.5	Surface	1.0	0.0	81	21.4	21.4	8.0	8.0	29.5	29.5	100.5	100.6	7.5	7.5	7.5	7.5	3	3	47	48	815633	804235	<0.2	<0.2	1.2	1.2
						1.0	0.0	77	21.4	8.0	8.0	29.6	29.6	100.6	100.6	7.5	7.6	7.6	7.6	4	4	47	47	815633	804235	<0.2	<0.2	1.2	1.2	
						4.3	0.0	84	21.4	21.2	8.0	8.0	30.4	30.4	101.2	101.3	7.5	7.5	7.5	7.5	3	3	49	49	815633	804235	<0.2	<0.2	1.1	1.1
						4.3	0.1	80	20.9	21.1	8.0	8.0	30.5	30.5	101.4	101.4	7.6	7.6	7.6	7.6	3	3	50	50	815633	804235	<0.2	<0.2	1.3	1.3
					Bottom	7.5	0.0	90	20.9	21.1	8.0	8.0	30.9	30.9	97.3	97.4	7.3	7.3	9.5	9.5	2	2	52	52	815633	804235	<0.2	<0.2	1.2	1.2
						7.5	0.0	97	21.3	21.1	8.0	8.0	30.9	30.9	97.4	97.4	7.2	7.2	9.5	9.5	3	3	51	51	815633	804235	<0.2	<0.2	1.2	1.2
						1.0	0.0	192	21.9	21.9	8.0	8.0	28.1	28.1	106.6	106.7	8.0	8.0	5.9	5.9	3	3	45	45	825671	806944	<0.2	<0.2	1.1	1.1
						1.0	0.0	195	21.9	21.9	8.0	8.0	28.2	28.2	106.7	106.7	8.0	8.0	5.8	5.8	2	2	45	45	825671	806944	<0.2	<0.2	1.2	1.2
C2	Fine	Moderate	07:23	11.6	Surface	5.8	0.0	213	21.8	21.8	8.0	8.0	28.6	28.6	97.9	98.0	7.3	7.3	6.5	6.5	3	3	86	86	825671	806944	<0.2	<0.2	1.2	1.2
						5.8	-	208	21.8	21.8	8.0	8.0	28.6	28.6	98.1	98.1	7.3	7.3	6.6	6.6	3	3	86	86	825671	806944	<0.2	<0.2	1.3	1.3
					Middle	10.6	0.1	173	21.7	21.7	8.0	8.0	28.9	28.9	98.9	98.9	7.4	7.4	7.5	7.5	4	4	87	87	825671	806944	<0.2	<0.2	1.1	1.1
						10.6	0.1	178	21.7	21.7	8.0	8.0	28.9	28.9	98.8	98.8	7.4	7.4	7.5	7.5	4	4	87	87	825671	806944	<0.2	<0.2	1.2	1.2
					Bottom	1.0	0.1	263	20.9	20.9	8.0	8.0	30.4	30.4	101.4	101.4	7.6	7.6	1.1	1.1	3	3	47	47	822099	817800	<0.2	<0.2	1.2	1.2
						1.0	0.1	269	20.9	20.9	8.0	8.0	30.4	30.4	101.3	101.3	7.6	7.6	1.0	1.0	3	3	48	48	822099	817800	<0.2	<0.2	1.2	1.2
C3	Fine	Moderate	05:58	12.0	Surface	6.0	0.1	253	20.8	20.8	8.0	7.9	31.3	31.3	95.9	95.8	7.2	7.2	1.2	1.2	4	4	50	50	822099	817800	<0.2	<0.2	1.2	1.2
						6.0	0.1	254	20.8	20.8	7.9	7.9	31.3	31.3	95.7	95.7	7.1	7.1	1.3	1.3	4	4	49	49	822099	817800	<0.2	<0.2	1.1	1.1
					Middle	11.0	0.1	270	20.6	20.6	7.9	7.9	31.9	31.9	94.4	94.5	7.0	7.0	2.1	2.1	4	4	52	52	822099	817800	<0.2	<0.2	1.1	1.1
						11.0	0.1	264	20.6	20.6	7.9	7.9	31.9	31.9	94.6	94.6	7.1	7.1	2.1	2.1	4	4	51	51	822099	817800	<0.2	<0.2	1.2	1.2
					Bottom	1.0	0.0	105	21.5	21.5	8.0	8.0	29.3	29.3	103.7	103.8	7.7	7.7	6.0	6.0	3	3	46	46	818350	806468	<0.2	<0.2	1.2	1.2
						1.0	0.1	106	21.5	21.5	8.0	8.0	29.4	29.4	103.8	103.8	7.8	7.8	6.1	6.1	3	3	46	46	818350	806468	<0.2	<0.2	1.2	1.2
IM1	Fine	Moderate	06:37	6.4	Surface	3.2	0.0	118	21.5	21.6	8.0	8.0	29.5	29.5	97.3	97.4	7.3	7.3	6.4	6.4	4	4	48	48	818350	806468	<0.2	<0.2	1.3	1.3
						3.2	0.1	125	21.6	21.6	8.0	8.0	29.5	29.5	97.4	97.4	7.3	7.3	6.5	6.5	3	3	47	47	818350	806468	<0.2	<0.2	1.2	1.2
					Middle	5.4	0.0	106	21.7	21.7	8.0	8.0	29.4	29.4	98.0	99.1	7.3	7.3	7.8	7.8	6	6	51	51	818350	806468	<0.2	<0.2	1.3	1.3
						5.4	0.0	110	21.7	21.7	8.0	8.0	29.4	29.4	100.1	100.1	7.4	7.4	7.8	7.8	6	6	52	52	818350	806468	<0.2	<0.2	1.3	1.3
					Bottom	1.0	0.0	219	21.6	21.6	8.0	8.0	29.4	29.4	106.9	107.0	8.0	8.0	7.5	7.5	3	3	47	47	819194	806246	<0.2	<0.2	1.3	1.3
						1.0	0.0	219	21.6	21.6	8.0	8.0	29.4	29.4	107.0	107.0	8.0	8.0	7.5	7.5	3	3	46	46	819194	806246	<0.2	<0.2	1.2	1.2
IM2	Fine	Moderate	06:41	6.7	Surface	3.4	0.0	216	21.5	21.5	8.0	8.0	29.6	29.6	96.5	96.6	7.2	7.2	8.5	8.5	3	3	47	47	819194	806246	<0.2	<0.2	1.2	1.2
						3.4	0.1	222	21.5	21.5	8.0	8.0	29.6	29.6	96.6	96.6	7.2	7.2	8.6	8.6	2	2	48	48	819194	806246	<0.2	<0.2	1.2	1.2
					Middle	5.7	0.1	218	21.6	21.6	8.0	8.0	29.6	29.6	96.9	97.0	7.2	7.2	9.8	9.8	2	2	50	50	819194	806246	<0.2	<0.2	1.2	1.2
						5.7	0.1	215	21.6	21.6	8.0	8.0	29.6	29.6	97.1	97.1	7.2	7.2	9.8	9.8	3	3	51	51	819194	806246	<0.2	<0.2	1.2	1.2
					Bottom	1.0	0.1	253	21.6	21.6	8.0	8.0	27.1	27.1	100.2	100.3	7.6	7.6	6.7	6.7	4	4	47	47	821336	806828	<0.2	<0.2	1.3	1.3
						1.0	0.0	256	21.6	21.6	8.0	8.0	27.1	27.1	100.3	100.3	7.6	7.6	6.7	6.7	5	5	46	46	821336	806828	<0.2	<0.2	1.2	1.2
IM7	Fine	Moderate	06:59	7.6	Surface	3.8	0.0	253	21.6	21.6	8.0	8.0	29.3	29.3	97.3	97.4	7.3	7.3	7.9	7.9	4	4	49	49	821336	806828	<0.2	<0.2	1.2	1.2
						3.8	0.0	247	21.6	21.6	8.0	8.0	29.3	29.3	97.4	97.4	7.3	7.3	7.9	7.9	5	5	50	50	821336	806828	<0.2	<0.2	1.4	1.4
					Middle	6.6	0.0	228	21.6	21.6	8.0	8.0	29.3	29.3	98.4	98.5	7.3	7.3	8.6	8.6	5	5	51	51	821336	806828	<0.2	<0.2	1.2	1.2
						6.6	0.0	224	21.6	21.6	8.0	8.0	29.3	29.3	98.5	98.5	7.3	7.3	8.5	8.5	5	5	51	51	821336	806828	<0.2	<0.2	1.2	1.2
					Bottom	1.0	0.1	253	21.6	21.6	8.0	8.0	27.1	27.1	100.2	100.3	7.6	7.6	6.7	6.7	4	4	47	47	821336	806828	<0.2	<0.2	1.3	1.3
						1.0	0.0	256	21.6	21.6	8.0	8.0	27.1	27.1	100.3	100.3	7.6	7.6	6.7	6.7	5	5	46	46	821336	806828	<0.2	<0.2	1.2	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 **12 April 22** 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		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	Calm	10:59	9.0	Surface	1.0	0.2	199	23.8	23.8	8.1	8.1	24.5	24.5	152.7	151.1	11.2	10.5	1.1	1.7	8	9	46	73	815624	804226	<0.2	<0.2	1.8	1.8						
						1.0	0.1	194	23.7	8.1	8.1	24.6	24.6	149.5	149.5	11.0	10.5	1.0	1.7	8	9	46	73	815624	804226	<0.2	<0.2	1.8	1.8							
						4.5	0.1	213	22.2	22.2	8.1	8.1	27.7	27.7	134.5	134.2	10.0	10.5	1.2	1.7	9	9	86	9	86	73	815624	804226	<0.2	<0.2	1.8	1.8				
						4.5	0.1	209	22.2	22.2	8.1	8.1	27.8	27.8	133.9	133.9	9.9	10.5	1.2	1.7	8	9	86	9	87	73	815624	804226	<0.2	<0.2	1.9	1.9				
						8.0	0.2	183	22.0	22.0	8.1	8.1	28.9	28.9	137.7	137.7	10.2	10.5	2.9	10.5	9	9	87	9	87	73	815624	804226	<0.2	<0.2	1.9	1.9				
						8.0	0.2	180	22.0	22.0	8.2	8.1	28.5	28.5	145.4	145.4	10.8	10.5	2.8	10.5	9	9	87	9	87	73	815624	804226	<0.2	<0.2	1.8	1.8				
					C2	Fine	Calm	12:04	10.2	Surface	1.0	0.3	164	23.5	23.5	8.1	8.1	23.7	23.7	146.0	140.6	10.8	9.1	1.7	2.7	7	9	44	74	825672	806955	<0.2	<0.2	1.8	1.8	
											1.0	0.3	156	23.5	23.5	8.1	8.1	23.8	23.8	135.2	135.2	10.0	9.1	1.7	2.7	8	9	44	74	825672	806955	<0.2	<0.2	1.7	1.7	
										5.1	0.3	197	21.4	21.4	8.0	8.0	30.1	30.2	104.3	104.5	7.8	8.2	2.9	8.2	8	9	87	9	87	74	825672	806955	<0.2	<0.2	1.7	1.7
										5.1	0.3	193	21.3	21.3	8.0	8.0	30.2	30.2	104.6	104.6	7.8	8.2	2.8	8.2	7	9	87	9	87	74	825672	806955	<0.2	<0.2	1.7	1.7
9.2	0.3	165	21.3	21.3						8.0	8.0	30.3	30.3	109.0	109.0	8.1	8.2	3.5	8.2	11	9	90	9	90	74	825672	806955	<0.2	<0.2	1.8	1.8					
9.2	0.2	168	21.3	21.3						8.0	8.0	30.3	30.3	111.8	111.8	8.3	8.2	3.5	8.2	10	9	90	9	90	74	825672	806955	<0.2	<0.2	1.8	1.8					
C3	Fine	Calm	10:34	9.0	Surface	1.0	0.2	79	23.0	23.0	8.1	8.1	26.9	26.9	143.4	142.8	10.5	9.7	1.1	1.6	6	7	44	72	822122	817812	<0.2	<0.2	1.4	1.4						
						1.0	0.2	77	23.0	23.0	8.1	8.1	26.9	26.9	142.1	142.1	10.5	9.7	1.1	1.6	5	7	44	72	822122	817812	<0.2	<0.2	1.4	1.4						
					4.5	0.2	93	21.3	21.3	8.1	8.1	31.3	31.4	122.5	121.5	9.0	9.7	1.1	1.6	7	7	86	7	86	72	822122	817812	<0.2	<0.2	1.3	1.3					
					4.5	0.2	90	21.3	21.3	8.1	8.1	31.4	31.4	120.5	120.5	8.9	9.7	1.1	1.6	7	7	86	7	86	72	822122	817812	<0.2	<0.2	1.3	1.3					
					8.0	0.2	109	21.2	21.2	8.1	8.1	31.7	31.6	112.4	112.3	8.3	8.3	2.6	8.3	8	7	87	7	87	72	822122	817812	<0.2	<0.2	1.3	1.3					
					8.0	0.1	114	21.2	21.2	8.1	8.1	31.6	31.6	112.2	112.2	8.3	8.3	2.6	8.3	7	7	87	7	87	72	822122	817812	<0.2	<0.2	1.4	1.4					
IM1	Fine	Calm	11:16	6.4	Surface	1.0	0.1	176	22.3	22.3	8.1	8.1	25.9	26.0	145.8	144.9	10.9	9.9	1.2	2.2	9	7	52	76	818338	806449	<0.2	<0.2	1.8	1.8						
						1.0	0.1	180	22.2	22.2	8.1	8.1	26.0	26.0	144.0	144.0	10.8	9.9	1.2	2.2	9	7	52	76	818338	806449	<0.2	<0.2	1.7	1.7						
					3.2	0.1	177	21.8	21.7	8.2	8.2	27.7	27.7	121.1	119.2	9.1	9.9	2.2	2.2	5	7	87	7	87	76	818338	806449	<0.2	<0.2	1.6	1.6					
					3.2	0.1	179	21.6	21.7	8.1	8.2	27.8	27.8	117.2	119.2	8.8	9.9	2.3	2.2	6	7	87	7	87	76	818338	806449	<0.2	<0.2	1.7	1.7					
					5.4	0.1	175	21.4	21.4	8.0	8.0	30.3	30.2	121.9	126.3	9.0	9.4	3.2	9.4	5	7	90	9	90	76	818338	806449	<0.2	<0.2	1.7	1.7					
					5.4	0.1	176	21.4	21.4	8.0	8.0	30.2	30.2	130.7	130.7	9.7	9.4	3.2	9.4	6	7	90	9	90	76	818338	806449	<0.2	<0.2	1.7	1.7					
IM2	Fine	Calm	11:21	7.2	Surface	1.0	0.2	220	22.4	22.4	8.1	8.1	25.6	25.6	144.8	144.1	10.8	9.9	3.1	4.3	10	9	48	74	819163	806248	<0.2	<0.2	1.7	1.7						
						1.0	0.2	221	22.4	22.4	8.1	8.1	25.7	25.7	143.3	143.3	10.7	9.9	3.1	4.3	10	9	49	74	819163	806248	<0.2	<0.2	1.7	1.7						
					3.6	0.2	194	22.1	22.0	8.2	8.2	28.2	28.4	124.1	122.3	9.2	9.9	4.2	4.3	10	9	86	9	86	74	819163	806248	<0.2	<0.2	1.8	1.8					
					3.6	0.1	191	21.9	21.8	8.2	8.2	28.5	28.5	120.4	120.4	8.9	9.9	4.3	4.3	9	9	86	9	86	74	819163	806248	<0.2	<0.2	1.7	1.7					
					6.2	0.2	221	21.8	21.8	8.0	8.0	29.0	29.0	112.9	113.0	8.4	8.4	5.4	8.4	8	8	87	8	87	74	819163	806248	<0.2	<0.2	1.7	1.7					
					6.2	0.2	226	21.7	21.7	8.0	8.0	29.1	29.1	113.0	113.0	8.4	8.4	5.4	8.4	8	8	87	8	87	74	819163	806248	<0.2	<0.2	1.8	1.8					
IM7	Fine	Calm	11:40	8.2	Surface	1.0	0.1	191	22.3	22.3	8.1	8.1	27.6	27.7	130.5	128.9	9.7	9.1	2.0	2.8	8	9	49	76	821326	806820	<0.2	<0.2	1.6	1.6						
						1.0	0.0	195	22.3	22.3	8.1	8.1	27.8	27.8	127.3	127.3	9.4	9.1	2.0	2.8	8	9	49	76	821326	806820	<0.2	<0.2	1.7	1.7						
					4.1	0.1	194	22.1	22.1	8.1	8.1	28.1	28.2	117.0	116.8	8.7	9.1	2.7	2.8	9	9	89	9	89	76	821326	806820	<0.2	<0.2	1.7	1.7					
					4.1	0.0	189	22.1	22.1	8.1	8.1	28.3	28.2	116.5	116.5	8.6	9.1	2.8	2.8	8	9	89	9	89	76	821326	806820	<0.2	<0.2	1.8	1.8					
					7.2	0.1	166	21.6	22.2	8.1	8.1	29.5	29.0	120.0	122.7	8.9	9.1	3.7	9.1	9	9	90	9	90	76	821326	806820	<0.2	<0.2	1.7	1.7					
					7.2	0.0	163	22.8	22.8	8.1	8.1	28.5	28.5	125.3	125.3	9.2	9.1	3.6	9.1	10	9	90	9	90	76	821326	806820	<0.2	<0.2	1.7	1.7					

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 **12 April 22** 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		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
IM10	Fine	Calm	11:48	8.2	Surface	1.0	0.2	118	23.7	8.0	8.0	21.2	21.2	169.4	161.5	12.7	11.5	1.1	1.0	8	8	49	73	822236	809819	<0.2	<0.2	1.3	1.3					
						1.0	0.2	112	23.6	8.0	8.0	21.2	21.2	153.6	110.8	8.3	8.3	10.2	1.0	7	8	83	83	48	73	822236	809819	<0.2	<0.2	1.4	1.4			
						4.1	0.3	118	21.9	8.0	8.0	27.5	27.5	110.9	110.8	8.3	8.3	10.2	2.1	7	8	83	83	48	73	822236	809819	<0.2	<0.2	1.4	1.4			
						4.1	0.3	110	21.9	8.0	8.0	27.5	27.5	110.7	110.8	8.3	8.3	10.2	3.1	8	8	86	86	48	73	822236	809819	<0.2	<0.2	1.4	1.4			
						7.2	0.2	91	21.8	8.0	8.0	27.9	27.8	108.2	108.9	8.1	8.2	8.2	2.0	6	7	86	86	48	73	822236	809819	<0.2	<0.2	1.4	1.4			
						7.2	0.3	89	21.8	8.0	8.0	27.8	27.8	109.5	108.9	8.2	8.2	8.2	3.1	7	7	86	86	48	73	822236	809819	<0.2	<0.2	1.4	1.4			
IM11	Fine	Calm	11:41	8.0	Surface	1.0	0.2	94	24.0	8.0	8.0	18.9	19.0	175.8	171.1	13.3	12.6	3.1	3.1	9	9	48	75	821486	810552	<0.2	<0.2	1.4	1.4					
						1.0	0.2	94	24.0	8.0	8.0	19.0	19.0	166.3	101.3	7.6	7.5	10.3	4.1	9	8	48	75	821486	810552	<0.2	<0.2	1.4	1.4					
						4.0	0.2	83	21.7	8.0	8.0	28.5	28.6	101.4	101.3	7.6	7.5	10.3	4.1	8	8	86	86	48	75	821486	810552	<0.2	<0.2	1.4	1.4			
						4.0	0.2	83	21.7	8.0	8.0	28.6	28.6	101.2	101.3	7.5	7.5	10.3	4.1	8	8	86	86	48	75	821486	810552	<0.2	<0.2	1.4	1.4			
						7.0	0.2	89	21.7	8.0	8.0	29.1	29.1	100.2	100.5	7.4	7.5	7.5	5.1	7	7	90	90	48	75	821486	810552	<0.2	<0.2	1.3	1.4			
						7.0	0.2	81	21.7	8.0	8.0	29.1	29.1	100.7	100.5	7.5	7.5	7.5	5.1	6	6	90	90	48	75	821486	810552	<0.2	<0.2	1.4	1.4			
IM12	Fine	Calm	11:34	8.8	Surface	1.0	0.2	91	22.0	8.0	8.0	27.7	27.8	117.2	116.6	8.7	8.6	1.2	1.2	8	8	45	73	821185	811535	<0.2	<0.2	1.5	1.7					
						1.0	0.3	94	21.9	8.0	8.0	27.9	27.9	116.0	108.5	8.6	8.1	8.4	1.2	8	8	45	73	821185	811535	<0.2	<0.2	1.6	1.6					
						4.4	0.2	105	21.6	8.0	8.0	28.9	29.0	108.5	108.5	8.1	8.1	8.4	2.8	8	8	86	86	45	73	821185	811535	<0.2	<0.2	1.6	1.6			
						4.4	0.2	109	21.6	8.0	8.0	29.1	29.1	108.4	108.4	8.1	8.1	8.4	2.8	9	9	86	86	45	73	821185	811535	<0.2	<0.2	1.5	1.6			
						7.8	0.3	96	21.6	8.0	8.0	29.4	29.3	102.4	102.7	7.6	7.6	7.6	3.2	10	10	87	87	45	73	821185	811535	<0.2	<0.2	1.6	1.6			
						7.8	0.3	93	21.8	8.0	8.0	29.3	29.3	103.0	103.0	7.6	7.6	7.6	3.3	9	9	87	87	45	73	821185	811535	<0.2	<0.2	1.6	1.8			
SR1A	Fine	Calm	11:13	5.0	Surface	1.0	-	142	22.2	8.1	8.1	28.1	28.2	117.4	116.2	8.7	8.5	4.8	4.9	9	9	-	-	819972	812662	-	-	-	-					
						1.0	0.0	145	22.3	8.1	8.1	28.3	28.2	115.0	116.2	8.5	8.5	8.6	4.9	8	8	-	-	-	-	819972	812662	-	-	-	-			
						2.5	0.0	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.5	0.0	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.0	0.0	173	22.5	8.1	8.1	28.9	28.8	109.4	110.5	8.0	8.1	8.1	5.2	10	10	-	-	-	-	-	-	-	-	-	-	-	-	
						4.0	0.1	175	22.6	8.0	8.1	28.8	28.8	111.6	110.5	8.2	8.1	8.1	5.4	10	10	-	-	-	-	-	-	-	-	-	-	-	-	
SR2	Fine	Calm	10:56	4.8	Surface	1.0	0.1	57	23.0	8.1	8.1	25.2	25.2	155.9	155.6	11.6	11.5	1.9	1.9	9	8	43	65	821484	814185	<0.2	<0.2	1.3	1.3					
						1.0	0.1	60	22.9	8.1	8.1	25.2	25.2	155.2	134.2	11.5	11.5	11.6	1.9	8	8	43	65	821484	814185	<0.2	<0.2	1.4	1.4					
						-	0.1	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	0.1	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.8	0.1	63	22.9	8.1	8.1	26.8	26.8	134.3	134.2	9.9	9.9	9.9	2.8	9	9	87	87	-	-	-	-	821484	814185	<0.2	<0.2	1.4	1.4	
						3.8	0.1	70	22.9	8.1	8.1	26.8	26.8	134.0	134.0	9.9	9.9	9.9	2.6	9	9	87	87	-	-	-	-	821484	814185	<0.2	<0.2	1.4	1.4	
SR3	Fine	Calm	11:46	9.0	Surface	1.0	0.3	152	22.9	8.1	8.1	25.0	25.0	137.3	136.0	10.2	10.0	1.2	1.3	8	7	-	-	822143	807552	-	-	-	-					
						1.0	0.3	158	22.9	8.1	8.1	25.0	25.0	134.7	136.0	10.0	10.0	9.1	1.3	7	7	-	-	-	-	822143	807552	-	-	-	-			
						4.5	0.3	139	21.5	8.0	8.0	29.6	29.8	108.3	108.7	8.0	8.1	9.1	2.2	7	7	-	-	-	-	822143	807552	-	-	-	-			
						4.5	0.3	132	21.4	8.0	8.0	30.0	30.0	109.1	108.7	8.1	8.1	9.1	2.2	8	8	-	-	-	-	822143	807552	-	-	-	-			
						8.0	0.3	161	21.4	8.0	8.0	30.3	30.2	118.7	123.1	8.8	8.8	9.2	3.8	10	10	-	-	-	-	822143	807552	-	-	-	-			
						8.0	0.3	167	21.4	8.0	8.0	30.2	30.2	127.5	123.1	9.5	9.5	9.2	3.6	11	11	-	-	-	-	822143	807552	-	-	-	-			
SR4A	Fine	Calm	10:38	9.4	Surface	1.0	0.0	312	23.0	8.1	8.1	27.2	27.2	145.1	144.5	10.6	10.6	1.0	1.1	10	9	-	-	817189	807824	-	-	-	-					
						1.0	0.1	317	22.9	8.1	8.1	27.2	27.2	143.8	144.5	10.6	10.6	10.2	1.1	9	9	-	-	-	-	817189	807824	-	-	-	-			
						4.7	0.0	327	22.1	8.2	8.2	30.1	30.1	132.7	132.9	9.7	9.7	10.2	1.8	9	8	-	-	-	-	817189	807824	-	-	-	-			
						4.7	0.1	320	22.2	8.2	8.2	30.1	30.1	133.1	132.9	9.7	9.7	10.2	1.8	8	8	-	-	-	-	817189	807824	-	-	-	-			
						8.4	0.0	326	22.4	8.2	8.2	30.0	29.9	135.8	136.5	9.9	9.9	10.0	3.9	5	5	-	-	-	-	817189	807824	-	-	-	-			
						8.4	0.0	333	22.6	8.2	8.2	29.8	29.8	137.1	136.5	10.0	10.0	10.0	3.7	6	6	-	-	-	-	817189	807824	-	-	-	-			
SR8	Fine	Calm	11:29	5.2	Surface	1.0	-	-	22.5	8.1	8.1	24.7	24.7	145.6	144.5	10.9	10.8	2.0	2.0	9	9	-	-	820387	811616	-	-	-	-					
						1.0	-	-	22.5	8.1	8.1	24.7	24.7	143.3	144.5	10.8	10.8	10.9	2.0	9	9	-	-	-	-	820387	811616	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.2	-	-	22.4	8.1	8.1	28.5	28.4	109.0	111.9	8.0	8.4	8.2	4.0	10	10	-	-	-	-	820387	811616	-	-	-	-			
						4.2	-	-	22.6	8.1	8.1	28.3	28.4	114.8	111.9	8.4	8.4	8.2	3.9	11	11	-	-	-	-	820387	811616	-	-	-	-			

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 12 April 22 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		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	15:13	8.6	Surface	1.0	0.2	41	23.5	23.5	8.1	8.1	23.3	23.3	143.9	138.2	10.7	8.9	2.3	3.7	8	8	51	75	815610	804242	<0.2	1.8	1.7								
						1.0	0.2	43	23.4		8.1	8.1	23.3		132.4		9.9		2.4		7		52				<0.2		1.7								
						Middle	4.3	0.1	17	21.5	21.5	8.0	8.0	29.4	29.4	101.7	100.9	7.6	7.6	3.7	7	7	8	86			88	<0.2	1.7	1.7							
							4.3	0.1	18	21.5		8.0	8.0	29.5		100.1		7.4		3.8		8		86				<0.2		1.7							
						Bottom	7.6	0.2	42	22.0	22.1	8.0	8.0	29.4	29.3	97.6	102.5	7.2	7.6	5.1	9	8	9	88			88	<0.2	1.7	1.7							
							7.6	0.1	42	22.2		8.0	8.0	29.2		107.3		7.9		5.1		9		88				<0.2		1.8							
					C2	Fine	Calm	14:04	10.0	Surface	1.0	0.2	203	22.8	22.8	8.1	8.1	24.5	24.5	151.6	150.3	11.3	10.4	1.6			2.4	15	12	44	73	825666	806924	<0.2	1.8	1.7	
											1.0	0.2	205	22.7		8.1	8.1	24.5		148.9		11.2		1.6				14		44				<0.2		1.8	
											Middle	5.0	0.1	190	22.3	22.2	8.2	8.1	27.3	27.5	131.9	129.1	9.8	9.8			2.2	2.4	12	10	86			90	<0.2	1.8	1.8
												5.0	0.1	185	22.1		8.1	8.1	27.8		126.2		9.4				2.1		11		86				<0.2		1.8
											Bottom	9.0	0.1	174	21.7	21.8	8.1	8.1	29.2	28.9	129.9	133.7	9.6	9.8			3.4	10	8	10	90			90	<0.2	1.9	1.8
												9.0	0.1	181	21.9		8.1	8.1	28.7		137.4		10.0				3.5		10		90				<0.2		1.8
C3	Fine	Calm	15:09	12.0						Surface	1.0	0.3	269	23.9	23.9	8.2	8.2	26.3	26.3	154.6	154.0	11.2	9.9	1.1	1.5	6	7	52	74	822100	817819			<0.2	1.5	1.5	
											1.0	0.3	265	23.9		8.2	8.2	26.3		153.3		11.1		1.1		6		52						<0.2		1.5	
											Middle	6.0	0.3	255	21.2	21.2	8.2	8.2	31.7	31.7	116.3	115.6	8.6	8.5	1.1	1.2	7	6	82					87	<0.2	1.4	1.4
												6.0	0.3	258	21.2		8.2	8.2	31.7		114.9		8.5		1.2		6		82						<0.2		1.4
											Bottom	11.0	0.3	284	21.0	21.0	8.1	8.1	32.1	32.1	102.0	102.2	7.5	7.6	2.3	7.6	8	9	87					87	<0.2	1.6	1.6
												11.0	0.3	286	21.0		8.1	8.1	32.1		102.4		7.6		2.4		9		87						<0.2		1.5
					IM1	Fine	Calm	14:54	7.8	Surface	1.0	0.0	7	21.9	21.9	8.1	8.1	27.8	27.8	113.9	113.9	8.5	8.5	2.1	3.2	6	7	48	74			818336	806465	<0.2	1.8	1.8	
											1.0	0.0	359	21.9		8.1	8.1	27.9		113.8		8.5		2.1		6		48						<0.2		1.8	
											Middle	3.9	0.1	359	21.9	21.9	8.1	8.1	28.0	28.0	114.6	114.9	8.5	8.6	3.0	3.2	6	7	86					89	<0.2	1.7	1.7
												3.9	0.1	358	21.9		8.1	8.1	28.0		115.2		8.6		3.1		6		86						<0.2		1.8
											Bottom	6.8	0.1	353	21.9	21.9	8.1	8.1	28.2	28.1	120.3	123.1	9.0	9.2	4.4	9.2	7	8	89					89	<0.2	1.6	1.6
												6.8	0.1	346	21.9		8.1	8.1	28.0		125.9		9.4		4.4		8		89						<0.2		1.7
IM2	Fine	Calm	14:48	7.2						Surface	1.0	0.1	275	23.3	23.3	8.0	8.0	22.4	22.5	154.6	147.5	11.6	9.7	2.4	3.2	9	10	49	71	819179	806246			<0.2	1.8	1.8	
											1.0	0.1	273	23.3		8.0	8.0	22.6		140.4		10.5		2.3		9		49						<0.2		1.8	
											Middle	3.6	0.1	261	21.8	21.8	8.0	8.0	27.8	27.8	111.6	112.3	8.3	8.4	3.2	3.2	10	9	79					85	<0.2	1.8	1.8
												3.6	0.0	262	21.8		8.0	8.0	27.8		113.0		8.4		3.1		9		79						<0.2		1.8
											Bottom	6.2	0.1	276	21.8	21.8	8.0	8.0	27.8	27.8	122.6	125.7	9.2	9.4	4.3	9.4	11	10	85					85	<0.2	1.7	1.7
												6.2	0.1	278	21.8		8.0	8.0	27.8		128.8		9.6		4.1		10		85						<0.2		1.7
					IM7	Fine	Calm	14:28	7.6	Surface	1.0	0.2	251	21.9	21.9	8.1	8.1	25.6	25.5	126.7	124.4	9.6	9.1	2.9	3.9	13	12	52	77			821360	806830	<0.2	1.8	1.7	
											1.0	0.2	254	21.9		8.1	8.1	25.4		122.0		9.2		3.0		12		52						<0.2		1.6	
											Middle	3.8	0.1	260	21.7	21.7	8.0	8.0	28.9	28.9	117.7	118.5	8.8	8.9	3.8	3.9	11	12	88					88	<0.2	1.8	1.8
												3.8	0.1	261	21.7		8.0	8.0	28.9		119.2		8.9		3.9		12		88						<0.2		1.8
											Bottom	6.6	0.1	288	21.7	21.7	8.0	8.0	29.1	29.0	135.3	139.2	10.1	10.4	4.9	10.4	10	11	90					90	<0.2	1.9	1.9
												6.6	0.2	295	21.7		8.0	8.0	29.0		143.0		10.6		5.0		11		90						<0.2		1.8

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 12 April 22 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		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
IM10	Fine	Calm	14:05	7.8	Surface	1.0	0.0	269	23.4	23.4	8.1	8.1	23.8	23.8	153.3	146.4	11.4	8.5	1.1	8.8	6	6	52	77	822253	809852	<0.2	1.4				
						1.0	0.0	276	23.4	23.4	8.1	8.1	23.7	23.7	139.4	112.3	10.4	8.4	1.1	8.4	6	8	52	87	52	88			<0.2	1.4		
					Middle	3.9	0.0	267	21.9	21.9	8.1	8.1	27.7	27.7	112.6	27.7	8.4	8.4	2.1	2.0	2.1	8	8	87	88			<0.2	1.4			
						3.9	0.0	272	21.9	21.9	8.1	8.1	27.7	27.7	112.0	27.7	8.4	8.4	2.0	2.0	9	9	88	90					<0.2	1.4		
						6.8	0.1	254	21.9	21.9	8.1	8.1	27.8	27.8	112.9	113.1	8.4	8.4	3.7	3.7	9	9	88	90					<0.2	1.5		
					Bottom	6.8	0.1	259	22.0	22.0	8.1	8.1	27.7	27.7	113.3	27.7	8.4	8.4	3.6	3.6	8	8	88	90							<0.2	1.3
						1.0	0.2	264	21.9	21.9	8.1	8.1	27.8	27.8	114.2	27.9	8.5	8.5	2.1	2.1	5	5	63	63							<0.2	1.3
IM11	Fine	Calm	14:11	8.0	Surface	1.0	0.2	256	21.9	21.9	8.1	8.1	27.9	27.9	114.2	114.2	8.5	8.3	2.1	8.3	5	6	63	75	821516	810537	<0.2	1.4				
						1.0	0.2	256	21.9	21.9	8.1	8.1	27.9	27.9	114.2	114.2	8.5	8.3	2.1	8.3	6	7	78	78					<0.2	1.4		
					Middle	4.0	0.1	255	21.8	21.8	8.1	8.1	28.1	28.2	108.9	108.9	8.1	8.1	4.0	4.0	8	8	63	78					<0.2	1.4		
						4.0	0.1	261	21.8	21.8	8.1	8.1	28.2	28.2	108.8	108.8	8.1	8.1	4.0	4.0	7	7	79	79					<0.2	1.5		
					Bottom	7.0	0.1	292	21.8	21.8	8.1	8.1	28.5	28.5	110.0	113.1	8.2	8.4	5.0	5.0	8	8	85	85							<0.2	1.4
						7.0	0.0	296	21.8	21.8	8.1	8.1	28.5	28.5	116.1	113.1	8.6	8.4	5.0	5.0	9	9	84	84							<0.2	1.4
						1.0	0.1	289	22.0	22.0	8.1	8.1	26.6	26.7	118.7	117.5	8.9	8.3	3.1	3.1	6	7	48	49					<0.2	1.4		
IM12	Fine	Calm	14:17	8.4	Surface	1.0	0.2	295	21.9	21.9	8.1	8.1	26.6	26.7	118.7	117.5	8.9	8.3	3.1	3.1	6	7	48	73	821140	811533	<0.2	1.4				
						1.0	0.2	295	21.9	21.9	8.1	8.1	26.7	26.7	116.2	104.7	8.7	8.3	3.1	3.1	7	7	49	49					<0.2	1.4		
					Middle	4.2	0.1	314	21.7	21.7	8.0	8.0	28.9	28.9	104.7	104.7	7.8	8.0	4.1	4.1	9	9	83	83					<0.2	1.4		
						4.2	0.1	315	21.6	21.6	8.0	8.0	28.9	28.9	104.6	104.6	7.8	8.0	4.1	4.1	9	9	83	83					<0.2	1.5		
					Bottom	7.4	0.2	282	21.5	21.5	8.0	8.0	29.7	29.7	100.4	101.2	7.5	8.0	5.1	5.1	9	9	87	87							<0.2	1.3
						7.4	0.2	277	21.5	21.5	8.0	8.0	29.7	29.7	101.9	101.9	7.6	8.0	5.0	5.0	10	10	88	88							<0.2	1.3
						1.0	0.0	189	23.1	23.1	8.1	8.1	23.9	23.9	157.5	156.4	11.8	11.7	3.9	3.9	8	8	-	-	-	-					-	-
SR1A	Fine	Calm	14:37	5.5	Surface	1.0	0.0	193	23.1	23.1	8.1	8.1	23.9	23.9	155.3	156.4	11.6	11.7	4.0	4.0	7	7	-	-	819972	812656	-	-				
						2.8	0.0	159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	0.0	159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.8	0.0	159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.5	0.0	195	22.7	22.7	8.1	8.1	26.6	26.6	138.3	138.6	10.2	10.3	5.1	5.1	7	7	-	-	-	-					-	-
						4.5	0.0	198	22.8	22.8	8.1	8.1	26.6	26.6	138.3	138.6	10.2	10.3	5.2	5.2	6	6	-	-	-	-					-	-
						1.0	0.0	294	24.1	24.1	8.1	8.1	22.0	21.6	174.4	172.8	12.9	12.8	1.1	1.1	6	7	69	69					<0.2	1.4		
SR2	Fine	Calm	14:47	5.2	Surface	1.0	0.1	301	24.3	24.2	8.1	8.1	21.6	21.8	171.1	172.8	12.7	12.8	1.1	1.1	7	7	69	78	821482	814144	<0.2	1.4				
						-	0.0	294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	0.0	299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.0	303	22.3	22.4	8.1	8.1	26.6	26.2	138.3	138.9	10.3	10.4	2.1	2.1	9	9	86	86					<0.2	1.5		
					Bottom	4.2	0.1	307	22.5	22.5	8.1	8.1	25.9	26.2	139.5	139.5	10.4	10.4	2.2	2.2	8	8	86	86							<0.2	1.3
						1.0	0.2	149	21.9	21.9	8.1	8.1	27.2	27.3	121.5	119.8	9.1	8.6	2.4	2.4	12	12	-	-	-	-					-	-
						1.0	0.2	154	21.8	21.8	8.1	8.1	27.4	27.3	118.1	109.3	8.8	8.0	3.2	3.1	11	10	-	-	-	-					-	-
SR3	Fine	Calm	14:22	8.8	Surface	4.4	0.2	150	21.8	21.8	8.1	8.0	27.9	27.9	109.6	109.3	8.2	8.1	3.2	3.1	11	10	-	-	822164	807557	-	-				
						4.4	0.2	143	21.8	21.8	8.0	8.0	27.9	27.9	109.0	109.3	8.1	8.0	3.1	3.1	10	10	-	-	-	-			-	-		
					Middle	7.8	0.1	144	22.1	22.1	8.1	8.1	29.1	29.0	106.7	108.1	7.9	8.0	4.1	4.1	10	10	-	-	-	-			-	-		
						7.8	0.2	150	22.1	22.1	8.1	8.1	28.9	29.0	109.4	108.1	8.1	8.0	4.1	4.1	10	10	-	-	-	-			-	-		
					Bottom	1.0	0.0	324	24.2	24.3	8.1	8.1	21.4	21.0	164.0	161.8	12.2	11.8	4.0	4.0	8	8	-	-	-	-					-	-
						1.0	0.0	329	24.4	24.4	8.1	8.1	20.6	21.0	159.5	161.8	11.8	11.8	4.0	4.0	8	8	-	-	-	-					-	-
						4.5	0.0	320	22.1	22.1	8.1	8.1	27.7	27.7	132.0	132.2	9.8	9.8	5.2	5.2	8	9	-	-	-	-					-	-
SR4A	Fine	Calm	15:32	9.0	Surface	8.0	0.1	301	22.2	22.2	8.1	8.1	27.8	27.7	143.4	148.8	10.6	11.0	6.0	6.1	10	10	-	-	817188	807812	-	-				
						8.0	0.0	297	22.2	22.2	8.1	8.1	27.6	27.7	154.1	154.1	11.4	11.4	6.1	6.1	9	9	-	-	-	-			-	-		
					Middle	1.0	-	-	24.4	24.4	8.1	8.1	20.8	20.8	167.5	163.6	12.4	12.2	2.9	2.8	9	10	-	-	-	-			-	-		
						1.0	-	-	24.4	24.4	8.1	8.1	20.8	20.8	159.6	163.6	11.9	11.9	2.8	2.8	10	10	-	-	-	-			-	-		
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	-	-	22.0	22.0	8.1	8.1	27.8	27.8	117.4	117.7	8.7	8.8	3.8	3.8	7	7	-	-	-	-			-	-		
SR8	Fine	Calm	14:22	4.8	Surface	3.8	-	-	22.0	22.0	8.1	8.1	27.8	27.8	117.4	118.0	8.7	8.8	3.8	3.8	7	8	-	-	820412	811636	-	-				
						3.8	-	-	22.0	22.0	8.1	8.1	27.8	27.8	118.0	118.0	8.8	8.8	3.8	3.8	8	8	-	-	-	-			-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	-	-	22.0	22.0	8.1	8.1	27.8	27.8	117.4	117.7	8.7	8.8	3.8	3.8	7	8	-	-	-	-			-	-		

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 14 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
																																			Value
C1	Fine	Calm	11:00	9.0	Surface	1.0	0.2	194	22.7	22.7	8.2	8.2	26.5	26.5	112.5	112.6	8.3	8.3	1.0	<2	<2	46	73	815605	804264	<0.2	<0.2	1.3	1.4						
						1.0	0.2	198	22.7			26.4	26.4	112.6		8.3	8.3	1.0	<2	<2	46							<0.2	<0.2	1.3	1.4				
						4.5	0.1	216	22.8	22.8	8.2	8.2	26.2	26.2	112.9	112.9	8.4	8.4	1.1	1.1	2	2	87	2	2	87	73	815605	804264	<0.2	<0.2	1.5	1.5		
						4.5	0.1	210	22.8			26.1	26.1	112.9		8.4	8.4	1.1	1.1	2	2	87	2	2	87					<0.2	<0.2	1.6	1.6		
						8.0	0.1	221	22.9	22.9	8.2	8.2	25.8	25.8	113.5	113.7	8.4	8.4	1.3	1.3	2	2	87	2	2	87					<0.2	<0.2	1.6	1.6	
						8.0	0.2	227	22.9			8.2	8.2	25.8	25.8	113.9		8.4	8.4	1.3	1.3	2	2	87	2	2	87					<0.2	<0.2	1.4	1.4
C2	Fine	Calm	12:05	10.2	Surface	1.0	0.5	186	23.3	23.3	8.2	8.2	24.7	24.7	115.1	115.0	8.5	8.5	1.6	<2	<2	44	73	825666	806948	<0.2	<0.2	1.2	1.4						
						1.0	0.5	179	23.3			24.7	24.7	114.8		8.5	8.5	1.7	<2	<2	44									<0.2	<0.2	1.4	1.4		
						5.1	0.5	166	23.0	23.0	8.2	8.2	24.9	24.9	113.5	113.4	8.4	8.4	2.0	2.0	2	2	86	2	2	87					<0.2	<0.2	1.5	1.5	
						5.1	0.5	166	23.0			8.2	8.2	24.9	24.9	113.2		8.4	8.4	2.0	2.0	2	2	87	2	2	87					<0.2	<0.2	1.5	1.5
						9.2	0.5	182	22.3	22.4	8.1	8.1	28.1	28.0	105.1	105.3	7.8	7.8	3.3	3.3	3	3	87	3	3	87					<0.2	<0.2	1.5	1.5	
						9.2	0.4	188	22.4			8.1	8.1	27.8	28.0	105.4		7.8	7.8	3.3	3.3	3	3	87	3	3	87					<0.2	<0.2	1.5	1.5
C3	Fine	Calm	10:39	9.8	Surface	1.0	0.3	80	22.4	22.4	8.1	8.1	28.2	28.4	115.0	115.0	8.5	8.5	0.3	<2	<2	44	72	822115	817794	<0.2	<0.2	1.3	1.3						
						1.0	0.3	81	22.3			28.5	28.5	115.0		8.5	8.5	0.3	<2	<2	44									<0.2	<0.2	1.3	1.3		
						4.9	0.2	86	22.0	22.0	8.1	8.1	29.8	29.9	110.0	110.0	8.1	8.1	0.4	0.4	<2	<2	86	2	2	86					<0.2	<0.2	1.4	1.4	
						4.9	0.2	89	21.9			8.1	8.1	30.0	31.4	109.9		8.1	8.1	0.5	0.5	<2	<2	86	2	2	87					<0.2	<0.2	1.3	1.3
						8.8	0.3	86	21.5	21.5	8.1	8.1	31.4	31.4	104.4	104.5	7.7	7.7	1.0	1.0	2	2	87	2	2	87					<0.2	<0.2	1.3	1.3	
						8.8	0.3	84	21.5			8.1	8.1	31.4	31.4	104.6		7.7	7.7	1.0	1.0	3	3	87	3	3	87					<0.2	<0.2	1.3	1.3
IM1	Fine	Calm	11:18	6.4	Surface	1.0	0.2	180	23.1	23.1	8.2	8.2	23.0	23.1	119.0	118.5	8.9	8.6	1.9	<2	<2	52	75	818333	806467	<0.2	<0.2	1.4	1.4						
						1.0	0.1	184	23.1			23.1	23.1	118.0		8.8	8.8	2.0	<2	<2	52									<0.2	<0.2	1.4	1.4		
						3.2	0.2	176	23.0	23.0	8.1	8.1	25.3	25.4	113.3	111.3	8.4	8.1	2.0	2.0	3	3	86	2	2	86					<0.2	<0.2	1.4	1.4	
						3.2	0.1	177	23.0			8.1	8.1	25.5	25.3	109.2		8.1	8.1	2.1	2.1	2	2	86	2	2	86					<0.2	<0.2	1.4	1.4
						5.4	0.2	164	22.4	23.1	8.1	8.1	26.0	25.3	107.0	106.8	8.0	7.9	2.2	2.2	3	3	88	3	3	88					<0.2	<0.2	1.4	1.4	
						5.4	0.1	162	23.7			8.1	8.1	24.5	25.3	106.5		7.8	7.8	2.3	2.3	2	2	88	2	2	88					<0.2	<0.2	1.4	1.4
IM2	Fine	Calm	11:23	7.2	Surface	1.0	0.2	185	23.0	23.0	8.2	8.2	24.1	24.2	117.7	117.4	8.8	8.6	1.4	3	3	48	74	819195	806228	<0.2	<0.2	1.4	1.4						
						1.0	0.2	186	22.9			24.3	24.3	117.1		8.7	8.7	1.5	2	2	48								<0.2	<0.2	1.4	1.4			
						3.6	0.1	201	22.9	22.9	8.1	8.1	24.8	24.8	113.8	113.2	8.5	8.4	2.0	2.0	2	2	86	2	2	86					<0.2	<0.2	1.4	1.4	
						3.6	0.2	205	22.9			8.1	8.1	24.8	27.3	112.5		8.4	8.4	2.1	2.1	2	2	86	2	2	86					<0.2	<0.2	1.4	1.4
						6.2	0.1	183	23.0	23.0	8.1	8.1	27.3	27.3	107.5	108.0	7.9	7.9	3.0	3.0	2	2	86	2	2	86					<0.2	<0.2	1.3	1.3	
						6.2	0.1	176	23.0			8.1	8.1	27.2	27.3	108.5		8.0	8.0	2.9	2.9	2	2	87	2	2	87					<0.2	<0.2	1.4	1.4
IM7	Fine	Calm	11:42	8.0	Surface	1.0	0.2	163	22.9	22.9	8.1	8.1	25.4	25.5	113.7	113.2	8.5	8.1	2.8	2	2	49	75	821343	806855	<0.2	<0.2	1.4	1.4						
						1.0	0.2	165	22.8			25.6	25.6	112.6		8.4	8.4	2.9	3	3	49								<0.2	<0.2	1.5	1.5			
						4.0	0.1	143	22.7	22.7	8.1	8.1	27.0	26.9	105.8	105.6	7.8	7.8	3.3	3.3	2	2	86	3	3	86					<0.2	<0.2	1.4	1.4	
						4.0	0.2	139	22.7			8.1	8.1	26.7	26.9	105.4		7.8	7.8	3.3	3.3	3	3	86	3	3	86					<0.2	<0.2	1.4	1.4
						7.0	0.1	159	22.3	22.4	8.1	8.1	28.2	28.1	104.6	104.8	7.7	7.8	4.3	4.3	2	2	90	2	2	90					<0.2	<0.2	1.2	1.2	
						7.0	0.1	159	22.4			8.1	8.1	28.0	28.1	105.0		7.8	7.8	4.4	4.4	3	3	90	3	3	90					<0.2	<0.2	1.4	1.4

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 14 April 22 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		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
IM10	Fine	Calm	12:03	8.2	Surface	1.0	0.4	107	23.1	23.1	8.3	8.3	<b>23.5</b>	23.5	114.9	114.6	8.6	8.6	3.2	2	2	48	74	822257	809856	<0.2	1.4	<0.2	1.4			
						1.0	0.3	99	23.0	114.3	23.6	8.6	8.6	3.3	2	48	<0.2	1.4														
						4.1	0.4	127	22.7	8.1	8.1	26.0	26.0	105.6	105.4	7.8	5.6	3	2	83	<0.2	1.4										
						4.1	0.4	127	22.6	8.1	8.1	26.1	26.1	105.1	105.1	7.8	5.6	2	2	83	<0.2	1.3										
					7.2	0.4	113	22.6	22.6	8.1	8.1	26.4	26.4	94.7	94.7	7.0	7.6	2	2	90	<0.2	1.3										
					7.2	0.4	113	22.6	22.6	8.1	8.1	26.3	26.4	94.7	94.7	7.0	7.5	2	2	90	<0.2	1.4										
					1.0	0.4	101	23.1	23.1	8.3	8.3	23.2	23.3	115.4	115.2	8.6	3.6	2	2	47	<0.2	1.4										
					1.0	0.4	93	23.1	23.1	8.3	8.3	23.4	23.3	114.9	115.2	8.6	3.5	2	2	47	<0.2	1.3										
IM11	Fine	Calm	11:55	7.0	Surface	3.5	0.5	88	22.6	22.6	8.1	8.1	24.8	24.8	106.1	105.8	7.9	5.7	3	3	87	75	821495	810552	<0.2	1.4	<0.2	1.4				
						3.5	0.5	87	22.6	8.1	8.1	24.8	24.8	105.5	105.5	7.9	5.7	3	3	87	<0.2	1.4										
						6.0	0.4	73	22.5	8.1	8.1	27.3	27.3	92.4	92.3	6.8	7.0	3	3	90	<0.2	1.4										
					6.0	0.4	76	22.6	22.6	8.1	8.1	27.2	27.2	92.2	92.3	6.8	7.1	2	2	90	<0.2	1.4										
					1.0	0.5	104	22.9	22.9	8.3	8.3	23.3	23.3	114.4	114.0	8.6	1.0	4	4	44	<0.2	1.4										
					1.0	0.5	102	22.9	22.9	8.3	8.3	23.3	23.3	113.6	114.0	8.6	1.1	2	2	44	<0.2	1.4										
IM12	Fine	Calm	11:47	8.6	Surface	4.3	0.4	119	22.6	22.6	8.1	8.1	26.2	26.3	103.6	103.5	7.7	2.0	3	3	86	72	821151	811500	<0.2	1.3	<0.2	1.4				
						4.3	0.4	122	22.6	8.1	8.1	26.4	26.4	103.3	103.3	7.7	1.9	2	2	86	<0.2	1.4										
						7.6	0.4	96	22.3	22.4	8.1	8.1	27.9	27.8	90.3	90.1	6.7	2.1	3	3	86	<0.2	1.3									
					7.6	0.4	100	22.4	22.4	8.1	8.1	27.8	27.8	89.8	89.8	6.6	2.0	2	2	87	<0.2	1.4										
					1.0	0.0	45	22.9	22.9	8.1	8.1	24.1	24.1	115.1	114.8	8.6	2.7	2	-	-	-	-	-	-	819977	812662	-	-	-	-		
					1.0	0.0	44	22.9	22.9	8.1	8.1	24.1	24.1	114.5	114.8	8.6	2.8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR1A	Fine	Calm	11:22	4.8	Surface	2.4	0.0	45	-	-	-	-	-	-	-	-	-	-	3.1	-	2	-	-	-	-	-	-	-	-			
						2.4	0.0	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	0.0	48	23.0	23.1	8.1	8.1	26.1	26.2	105.5	105.2	7.8	3.4	<2	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.8	0.0	46	23.1	23.1	8.1	8.1	26.3	26.2	104.9	105.2	7.7	3.4	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.2	48	22.9	22.9	8.2	8.2	25.8	25.8	114.4	114.3	8.5	1.4	3	44	<0.2	1.5											
					1.0	0.2	42	22.9	22.9	8.2	8.2	25.8	25.8	114.1	114.3	8.5	1.4	2	44	<0.2	1.4											
SR2	Fine	Calm	11:07	5.0	Middle	-	0.2	64	-	-	-	-	-	-	-	-	-	-	1.6	-	2	-	66	821448	814184	-	-	-	-			
						-	0.2	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.0	0.2	50	22.7	22.7	8.0	8.0	26.2	26.1	106.9	106.9	7.9	1.8	<2	87	<0.2	1.3										
					4.0	0.1	53	22.7	22.7	8.0	8.0	26.1	26.1	106.9	106.9	7.9	1.9	<2	87	<0.2	1.3											
					1.0	0.3	162	22.6	22.6	8.1	8.1	27.4	27.5	109.7	109.4	8.1	2.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.3	160	22.5	22.6	8.1	8.1	27.6	27.5	109.0	109.4	8.1	1.9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR3	Fine	Calm	11:48	8.8	Middle	4.4	0.3	150	22.4	22.4	8.1	8.1	28.0	28.0	104.7	104.5	7.7	2.1	4	3	-	-	822145	807590	-	-	-	-				
						4.4	0.3	155	22.3	8.1	8.1	28.1	28.0	104.3	104.5	7.7	2.3	3	-	-	-	-	-	-	-	-	-	-	-	-		
						7.8	0.3	157	22.2	22.3	8.0	8.0	28.3	28.2	103.5	103.4	7.7	4.4	3	-	-	-	-	-	-	-	-	-	-	-	-	
					7.8	0.3	152	22.3	22.3	8.0	8.0	28.2	28.2	103.2	103.4	7.6	4.3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.0	85	22.3	22.3	8.1	8.1	27.8	27.8	114.6	114.5	8.5	0.4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.0	86	22.2	22.3	8.1	8.1	27.8	27.8	114.4	114.5	8.5	0.5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR4A	Fine	Calm	10:40	9.4	Middle	4.7	0.1	87	21.6	21.6	8.1	8.1	31.4	31.4	105.1	105.2	7.7	0.9	2	-	-	-	817181	807805	-	-	-	-				
						4.7	0.0	83	21.6	8.1	8.1	31.4	31.4	105.2	105.2	7.7	1.0	2	-	-	-	-	-	-	-	-	-	-	-	-		
						8.4	0.1	71	21.8	21.9	8.1	8.1	31.2	31.1	105.7	105.9	7.7	1.7	2	-	-	-	-	-	-	-	-	-	-	-	-	
					8.4	0.1	74	21.9	21.9	8.1	8.1	31.0	31.1	106.1	106.1	7.8	1.6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	-	-	23.4	23.4	8.2	8.2	24.0	24.0	114.3	112.6	8.5	1.6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	-	-	23.3	23.4	8.2	8.2	24.1	24.0	110.9	112.6	8.2	1.6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR8	Fine	Calm	11:43	5.2	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	-	3	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.2	-	-	23.2	23.3	8.1	8.1	24.6	24.5	96.5	96.1	7.2	1.9	3	-	-	-	-	-	-	-	-	-	-	-	-		
					4.2	-	-	23.3	23.3	8.2	8.1	24.4	24.5	95.6	96.1	7.1	1.8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.2	-	-	23.3	23.3	8.2	8.1	24.4	24.5	95.6	96.1	7.1	1.8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

14 April 22

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		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	16:58	8.4	Surface	1.0	0.3	38	<u>22.9</u>	8.1	8.1	24.1	24.1	113.3	113.1	8.5	8.1	3.2	4.3	2	3	52	76	815624	804256	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						1.0	0.3	32	<u>22.8</u>	8.1	8.1	24.1	24.1	112.9	113.1	8.5	8.1	3.2	4.3	4	3	52	76	815624	804256	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
						4.2	0.2	13	<u>22.7</u>	8.1	8.1	26.1	26.1	103.2	103.0	7.7	8.1	4.4	4.3	3	3	87	76	815624	804256	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
					Middle	4.2	0.2	12	<u>22.7</u>	8.1	8.1	26.1	26.1	102.8	102.8	7.6	8.1	4.7	4.3	2	3	86	76	815624	804256	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						7.4	0.2	31	<u>22.7</u>	8.1	8.1	26.4	26.3	101.9	102.0	7.6	8.1	5.1	4.3	2	3	88	76	815624	804256	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
						7.4	0.3	33	<u>22.7</u>	8.1	8.1	26.3	26.3	102.0	102.0	7.6	8.1	5.2	4.3	2	3	88	76	815624	804256	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
					C2	Fine	Calm	15:49	10.0	Surface	1.0	0.2	176	<u>23.0</u>	8.3	8.3	23.6	23.6	120.9	120.8	9.1	8.6	1.1	1.7	<2	<2	44	73	825660	806929	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.5	1.4
											1.0	0.2	173	<u>22.9</u>	8.3	8.3	23.7	23.6	120.7	120.8	9.1	8.6	1.0	1.7	<2	<2	44	73	825660	806929	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4
5.0	0.2	192	<u>22.3</u>	8.1							8.1	26.3	26.2	108.0	107.8	8.1	8.6	1.9	1.7	<2	<2	86	73	825660	806929	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
Middle	5.0	0.2	187	<u>22.4</u>						8.1	8.1	26.2	26.2	107.5	107.8	8.0	8.6	1.8	1.7	<2	<2	86	73	825660	806929	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
	9.0	0.2	183	<u>22.9</u>						8.1	8.1	28.6	28.6	108.0	108.0	7.9	8.6	2.1	1.7	<2	<2	90	73	825660	806929	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
	9.0	0.2	181	<u>22.9</u>						8.1	8.1	28.6	28.6	108.0	108.0	7.9	8.6	2.1	1.7	<2	<2	90	73	825660	806929	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.5	1.4					
C3	Fine	Calm	16:52	11.0	Surface	1.0	0.5	276	<u>22.8</u>	8.2	8.2	27.4	27.4	113.2	113.1	8.3	8.3	1.1	1.5	<2	<2	52	74	822100	817784	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
						1.0	0.4	269	<u>22.8</u>	8.2	8.2	27.4	27.4	113.0	113.1	8.3	8.3	1.0	1.5	<2	<2	52	74	822100	817784	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
						5.5	0.5	279	<u>22.7</u>	8.2	8.2	27.8	27.9	111.1	111.0	8.2	8.3	1.2	1.5	2	2	82	74	822100	817784	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
					Middle	5.5	0.5	277	<u>22.6</u>	8.2	8.2	28.0	28.0	110.8	110.8	8.2	8.3	1.2	1.5	2	2	82	74	822100	817784	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						10.0	0.4	288	<u>22.5</u>	8.2	8.2	28.2	28.0	110.3	110.6	8.1	8.1	2.3	1.5	2	2	87	74	822100	817784	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
						10.0	0.4	292	<u>22.6</u>	8.2	8.2	27.9	28.0	110.8	110.6	8.1	8.1	2.3	1.5	2	2	87	74	822100	817784	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.5	1.4					
IM1	Fine	Calm	16:39	6.8	Surface	1.0	0.1	19	<u>23.1</u>	8.2	8.2	22.9	22.9	117.4	117.1	8.8	8.5	2.0	3.1	2	2	48	75	818332	806472	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
						1.0	0.1	19	<u>23.1</u>	8.2	8.2	23.0	22.9	116.8	117.1	8.8	8.5	2.1	3.1	3	2	48	75	818332	806472	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						3.4	0.1	16	<u>22.7</u>	8.2	8.2	25.7	25.7	111.7	110.9	8.3	8.5	3.4	3.1	2	2	86	75	818332	806472	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
					Middle	3.4	0.1	8	<u>22.7</u>	8.2	8.2	25.8	25.8	110.1	110.9	8.2	8.5	3.5	3.1	3	2	86	75	818332	806472	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						5.8	0.1	35	<u>22.9</u>	8.2	8.1	26.0	26.0	105.4	105.1	7.8	7.8	4.0	3.1	<2	<2	91	75	818332	806472	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						5.8	0.0	29	<u>23.0</u>	8.1	8.1	26.1	26.0	104.8	105.1	7.7	7.8	3.6	3.1	<2	<2	91	75	818332	806472	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
					IM2	Fine	Calm	16:33	7.0	Surface	1.0	0.1	293	<u>22.8</u>	8.3	8.3	23.0	23.0	114.9	113.6	8.7	8.2	1.5	2.5	2	2	49	72	819202	806258	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.3
											1.0	0.1	286	<u>22.8</u>	8.3	8.1	23.1	23.0	112.3	104.9	8.5	8.2	1.5	2.5	2	2	49	72	819202	806258	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.3
3.5	0.1	289	<u>23.0</u>	8.1							8.1	26.4	26.4	104.8	105.0	7.7	8.2	2.2	2.5	2	2	80	72	819202	806258	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.3					
Middle	3.5	0.1	287	<u>23.0</u>						8.1	8.1	26.4	26.4	105.0	105.0	7.7	8.2	2.1	2.5	2	2	80	72	819202	806258	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.3					
	6.0	0.1	307	<u>23.2</u>						8.1	8.1	26.8	26.7	107.1	108.6	7.8	8.0	3.9	2.5	<2	<2	87	72	819202	806258	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
	6.0	0.0	306	<u>23.2</u>						8.1	8.1	26.6	26.7	110.1	108.6	8.1	8.0	3.6	2.5	<2	<2	88	72	819202	806258	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.3					
IM7	Fine	Calm	16:13	7.4	Surface	1.0	0.3	254	<u>22.9</u>	8.2	8.2	23.5	23.6	116.1	115.9	8.7	8.3	1.7	2.5	<2	<2	52	76	821357	806850	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.5	1.4					
						1.0	0.2	253	<u>22.8</u>	8.2	8.2	23.6	23.6	115.6	115.9	8.7	8.3	1.8	2.5	<2	<2	52	76	821357	806850	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						3.7	0.2	261	<u>22.7</u>	8.1	8.1	26.9	27.0	106.0	105.8	7.8	8.3	2.1	2.5	<2	<2	87	76	821357	806850	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.3	1.4					
					Middle	3.7	0.2	260	<u>22.8</u>	8.1	8.1	27.0	27.0	105.5	105.8	7.8	8.3	2.2	2.5	<2	<2	87	76	821357	806850	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						6.4	0.2	273	<u>23.0</u>	8.1	8.1	27.5	27.5	105.9	106.8	7.8	7.9	3.6	2.5	<2	<2	90	76	821357	806850	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.4	1.4					
						6.4	0.2	278	<u>23.0</u>	8.1	8.1	27.5	27.5	107.7	106.8	7.9	7.9	3.6	2.5	<2	<2	90	76	821357	806850	<u>&lt;0.2</u>	<u>&lt;0.2</u>	1.5	1.4					

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 14 April 22 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		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
IM10	Fine	Calm	15:51	7.4	Surface	1.0	0.1	234	23.5	8.2	8.2	23.5	23.6	118.3	118.2	8.8	8.8	8.8	2.0	3.5	<2	2	52	77	822235	809834	<0.2	1.4								
						1.0	0.1	234	23.4	8.2	8.2	118.1	8.8	2.0	<2	52		<0.2	1.3																	
						3.7	0.1	210	23.0	8.2	8.2	23.8	8.7	3.6	2	87		<0.2	1.4																	
						3.7	0.2	210	23.0	8.2	8.2	23.8	8.7	3.6	3	88		<0.2	1.4																	
					Middle	6.4	0.1	240	22.7	8.2	8.2	26.3	108.7	8.1	4.9	2	90		<0.2	1.4																
						6.4	0.1	233	22.8	8.2	8.2	26.3	109.5	8.1	4.9	2	90		<0.2	1.4																
						Bottom	1.0	0.2	255	23.4	8.2	8.2	23.5	119.6	8.9	3.6	3	63		<0.2	1.4															
							1.0	0.2	256	23.4	8.2	8.2	23.5	119.3	8.9	3.6	3	63		<0.2	1.3															
IM11	Fine	Calm	15:55	7.6	Surface	3.8	0.2	283	22.7	8.2	8.2	26.0	107.7	8.0	4.0	4.3	2	2	79	76	821496	810521	<0.2	1.5												
						3.8	0.2	288	22.7	8.2	8.2	26.0	107.8	8.0	4.1	2	79		<0.2	1.4																
						Bottom	6.6	0.2	256	22.7	8.2	8.2	26.2	109.4	8.1	5.3	2	85		<0.2	1.4															
							6.6	0.2	262	22.7	8.2	8.2	26.2	109.8	8.1	5.4	2	84		<0.2	1.4															
					IM12	Fine	Calm	16:00	8.2	Surface	1.0	0.2	286	23.4	8.2	8.2	24.0	121.3	121.2	9.0	8.7	2.1	<2	2	48	75	821141	811503	<0.2	1.3						
											1.0	0.2	287	23.3	8.2	8.2	24.1	121.1	9.0	2.3	<2	49		<0.2	1.3											
Middle	4.1	0.2	276	23.0						8.2	8.2	25.1	113.6	8.4	3.8	2	87		<0.2	1.3																
	4.1	0.1	277	23.0						8.2	8.2	25.1	113.6	8.4	3.7	2	87		<0.2	1.4																
Bottom	7.2	0.2	294	23.0	8.2	8.2	25.1	113.4	8.4	4.1	3	90		<0.2	1.4																					
	7.2	0.2	287	23.0	8.2	8.2	25.1	113.5	8.4	4.1	2	90		<0.2	1.4																					
SR1A	Fine	Calm	16:22	5.0	Surface	1.0	0.0	176	23.3	8.2	8.2	25.1	115.5	115.4	8.5	8.5	2.3	<2	2	-	-	819976	812656	-	-											
						1.0	-	179	23.3	8.2	8.2	25.1	115.2	8.5	2.4	<2	-	-	-	-	-	-	-	-	-	-	-									
						2.5	0.0	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Middle	2.5	0.1	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						Bottom	4.0	0.0	196	23.1	8.2	8.2	25.8	113.3	8.4	3.3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
							4.0	0.0	203	23.0	8.2	8.2	25.8	112.8	8.3	3.2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SR2	Fine	Calm	16:33	5.2	Surface	1.0	0.1	324	23.3	8.2	8.2	24.6	118.4	118.3	8.8	8.8	1.0	2	2	69	78	821439	814161	<0.2	1.4											
						1.0	0.0	323	23.3	8.2	8.2	24.7	118.2	8.8	1.1	2	69		<0.2	1.4																
					Middle	-	0.1	337	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	0.1	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						Bottom	4.2	0.0	315	23.1	8.2	8.2	25.6	110.0	109.7	8.1	1.4	2	86		<0.2	1.4														
							4.2	0.1	311	23.2	8.2	8.2	25.5	109.4	8.1	1.3	3	86		<0.2	1.3															
SR3	Fine	Calm	16:07	8.6	Surface	1.0	0.1	201	23.5	8.2	8.2	23.5	116.2	116.1	8.6	8.6	1.2	<2	2	-	-	822132	807564	-	-	-	-	-								
						1.0	0.1	202	23.5	8.2	8.2	23.5	116.0	8.6	1.1	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Middle	4.3	0.1	213	23.5	8.2	8.2	23.6	115.0	8.5	1.4	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						4.3	0.1	219	23.5	8.2	8.2	23.6	114.6	8.5	1.4	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	7.6	0.1	203	23.5	8.2	8.2	23.5	114.2	8.5	1.4	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						7.6	0.1	207	23.5	8.2	8.2	23.5	114.1	8.5	1.5	<2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SR4A	Fine	Calm	17:17	9.0	Surface	1.0	0.0	210	22.8	8.2	8.2	25.3	115.6	115.5	8.6	8.6	2.2	2	2	-	-	817172	807821	-	-	-	-	-								
						1.0	0.0	203	22.8	8.2	8.2	25.5	115.3	8.6	2.2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	4.5	0.0	243	22.7	8.2	8.2	26.0	108.0	8.0	3.1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.5	-	247	22.7	8.2	8.2	26.0	107.9	8.0	3.2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						Bottom	8.0	0.1	230	22.7	8.2	8.2	26.1	108.3	8.0	4.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
							8.0	0.1	222	22.7	8.2	8.2	26.1	108.4	8.0	4.1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR8	Fine	Calm	16:05	4.8	Surface	1.0	-	-	23.7	8.2	8.2	24.0	117.9	117.8	8.7	8.7	1.2	2	2	-	-	820368	811612	-	-	-	-	-								
						1.0	-	-	23.7	8.2	8.2	24.0	117.7	8.7	1.1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						Bottom	3.8	-	-	23.7	8.2	8.2	24.2	117.3	8.6	1.9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
							3.8	-	-	23.7	8.2	8.2	24.2	117.2	8.6	1.9	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 16 April 22 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		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	Misty	Rough	12:19	8.4	Surface	1.0	0.3	216	22.2	8.1	8.1	29.4	29.4	98.7	98.8			7.3	7.3	2.1	2.1	5	5	52	52	75	815632	804233	<0.2
1.0	0.3	213	22.2	8.1	8.1	29.4	29.4	98.8							98.8	7.3	7.3	2.2	2.2	6	6	52	52	<0.2	1.0	<0.2	1.0											
4.2	0.3	210	22.2	8.1	8.1	29.4	29.4	98.8							98.9	7.3	7.3	3.0	3.0	6	6	86	86	<0.2	1.0	<0.2	1.0											
Middle	4.2	0.3	214	22.2	8.1	8.1	29.4	29.4						98.9	98.9	7.3	7.3	3.1	3.1	7	7	86	86	<0.2	1.0	<0.2	1.0											
	7.4	0.3	193	22.2	8.1	8.1	29.4	29.4						99.0	99.0	7.3	7.3	4.4	4.4	7	7	88	88	<0.2	0.9	<0.2	0.9											
	7.4	0.3	198	22.2	8.1	8.1	29.4	29.4						99.0	99.0	7.3	7.3	4.4	4.4	8	8	88	88	<0.2	0.9	<0.2	0.9											
C2	Misty	Rough	11:10	10.0	Surface	1.0	0.1	106						22.4	8.1	8.1	28.7	28.7	97.6	97.7	7.2	7.2	3.1	3.1	8	8	44	44	74	825690	806928	<0.2	1.0	<0.2				0.9
						1.0	0.1	100						22.4	8.1	8.1	28.7	28.7	97.7	97.7	7.2	7.2	3.1	3.1	7	7	44	44				<0.2	0.9	<0.2				0.9
						5.0	0.0	110						22.4	8.1	8.1	28.7	28.7	97.8	98.0	7.2	7.2	4.1	4.1	8	8	86	86				<0.2	0.9	<0.2				1.0
					Middle	5.0	0.1	111	22.4	8.1	8.1	28.7	28.7	98.1	98.0	7.2	7.2	4.2	4.2	8	8	86	86	<0.2	1.0	<0.2	1.0											
						9.0	0.1	141	22.4	8.1	8.1	28.8	28.8	98.4	98.7	7.2	7.3	5.5	5.5	8	8	91	91	<0.2	0.9	<0.2	1.0											
						9.0	0.0	136	22.4	8.1	8.1	28.8	28.8	98.9	98.7	7.3	7.3	5.5	5.5	8	8	91	91	<0.2	1.0	<0.2	1.0											
					C3	Misty	Rough	12:07	11.0	Surface	1.0	0.4	63	22.2	8.1	8.1	29.4	29.4	102.4	102.3	7.5	7.5	2.4	2.4	6	6	52	52				74	822098	817805	<0.2	0.9	<0.2	1.0
											1.0	0.4	65	22.2	8.1	8.1	29.4	29.4	102.2	102.3	7.6	7.6	2.5	2.5	6	6	52	52							<0.2	1.0	<0.2	1.0
											5.5	0.4	80	22.2	8.1	8.1	29.4	29.4	102.1	102.3	7.5	7.5	3.1	3.1	8	8	83	83							<0.2	1.0	<0.2	1.0
Middle	5.5	0.4	80	22.2						8.1	8.1	29.4	29.4	102.5	102.5	7.5	7.5	3.2	3.2	8	8	83	83	<0.2	1.0	<0.2	1.0											
	10.0	0.4	97	22.2						8.1	8.1	29.4	29.4	102.4	102.5	7.5	7.5	4.8	4.8	8	8	87	87	<0.2	0.9	<0.2	1.0											
	10.0	0.4	94	22.2						8.1	8.1	29.4	29.4	102.6	102.5	7.5	7.5	4.8	4.8	8	8	87	87	<0.2	1.0	<0.2	1.0											
IM1	Misty	Rough	12:00	6.8						Surface	1.0	0.1	190	22.2	8.1	8.1	29.4	29.4	99.0	99.1	7.3	7.3	5.0	5.0	6	6	48	48	75	818352	806452				<0.2	1.0	<0.2	0.9
											1.0	0.1	192	22.2	8.1	8.1	29.4	29.4	99.1	99.1	7.3	7.3	5.1	5.1	7	7	48	48							<0.2	0.9	<0.2	0.9
											3.4	0.1	179	22.2	8.1	8.1	29.4	29.4	99.3	99.4	7.3	7.3	6.6	6.6	6	6	87	87							<0.2	1.0	<0.2	1.0
					Middle	3.4	0.1	180	22.2	8.1	8.1	29.4	29.4	99.4	99.4	7.3	7.3	6.7	6.7	7	7	87	87	<0.2	1.0	<0.2	1.0											
						5.8	0.1	181	22.2	8.1	8.1	29.4	29.4	99.7	99.8	7.3	7.3	7.5	7.5	7	7	91	91	<0.2	1.0	<0.2	1.0											
						5.8	0.1	175	22.2	8.1	8.1	29.4	29.4	99.9	99.8	7.3	7.3	7.4	7.4	7	7	91	91	<0.2	0.9	<0.2	0.9											
					IM2	Misty	Rough	11:54	7.0	Surface	1.0	0.1	185	22.2	8.1	8.1	29.5	29.5	98.3	98.4	7.2	7.2	4.0	4.0	7	7	50	50				72	819175	806222	<0.2	1.0	<0.2	1.0
											1.0	0.1	180	22.2	8.1	8.1	29.5	29.5	98.4	98.4	7.2	7.2	4.1	4.1	6	6	50	50							<0.2	1.0	<0.2	1.0
											3.5	0.1	170	22.2	8.1	8.1	29.5	29.5	98.8	98.9	7.3	7.3	5.1	5.1	7	7	80	80							<0.2	1.0	<0.2	1.0
Middle	3.5	0.1	165	22.2						8.1	8.1	29.5	29.5	98.9	98.9	7.3	7.3	5.2	5.2	6	6	80	80	<0.2	1.0	<0.2	1.0											
	6.0	0.1	148	22.2						8.1	8.1	29.4	29.4	99.4	99.5	7.3	7.3	7.1	7.1	6	6	86	86	<0.2	0.9	<0.2	0.9											
	6.0	0.1	152	22.2						8.1	8.1	29.4	29.4	99.5	99.5	7.3	7.3	6.9	6.9	5	5	86	86	<0.2	1.0	<0.2	1.0											
IM7	Misty	Rough	11:34	7.4						Surface	1.0	0.2	74	22.3	8.1	8.1	29.1	29.1	99.7	99.8	7.3	7.3	4.1	4.1	7	7	52	52	76	821351	806829				<0.2	1.0	<0.2	1.0
											1.0	0.2	69	22.3	8.1	8.1	29.1	29.1	99.8	99.8	7.3	7.3	4.1	4.1	7	7	52	52							<0.2	1.0	<0.2	1.0
											3.7	0.2	60	22.3	8.1	8.1	29.1	29.1	99.9	99.9	7.3	7.3	5.1	5.1	7	7	87	87							<0.2	1.0	<0.2	1.0
					Middle	3.7	0.2	66	22.3	8.1	8.1	29.1	29.1	100.0	100.0	7.4	7.4	5.1	5.1	8	8	87	87	<0.2	0.9	<0.2	0.9											
						6.4	0.1	83	22.3	8.1	8.1	29.1	29.1	100.3	100.3	7.4	7.4	6.3	6.3	7	7	90	90	<0.2	1.0	<0.2	1.0											
						6.4	0.2	90	22.3	8.1	8.1	29.1	29.1	100.5	100.5	7.4	7.4	6.2	6.2	8	8	90	90	<0.2	1.0	<0.2	1.0											

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 April 22 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		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
IM10	Misty	Rough	11:06	7.4	Surface	1.0	0.1	67	22.4	22.4	8.2	8.2	28.3	28.3	101.6	101.7	7.5	7.5	3.1	3.1	6	6	52	52	77	822236	809817	<0.2	<0.2	1.0	1.0			
						1.0	0.0	73	22.4	22.4	8.2	8.2	28.4	28.4	101.7	101.8	7.5	7.5	3.2	3.2	7	7	52	52	77	822236	809817	<0.2	<0.2	1.0	1.0			
						3.7	0.1	44	22.4	22.4	8.2	8.2	28.4	28.4	101.7	101.8	7.5	7.5	4.2	4.2	6	6	88	88	77	822236	809817	<0.2	<0.2	1.0	1.0			
					Middle	3.7	0.2	47	22.4	22.4	8.2	8.2	28.5	28.5	101.8	101.8	7.5	7.5	4.1	4.1	7	7	88	88	77	822236	809817	<0.2	<0.2	1.0	1.0			
						6.4	0.1	73	22.4	22.4	8.2	8.2	28.5	28.5	102.0	102.3	7.5	7.5	5.1	5.1	6	6	91	91	77	822236	809817	<0.2	<0.2	1.0	1.0			
						6.4	0.0	68	22.4	22.4	8.2	8.2	28.5	28.5	102.5	102.5	7.6	7.6	5.0	5.0	6	6	90	90	77	822236	809817	<0.2	<0.2	1.0	1.0			
IM11	Misty	Rough	11:10	7.6	Surface	1.0	0.2	85	22.2	22.2	8.1	8.1	29.5	29.5	100.6	100.7	7.4	7.4	4.0	4.0	7	7	63	63	75	821513	810548	<0.2	<0.2	1.0	1.0			
						1.0	0.2	81	22.2	22.2	8.1	8.1	29.5	29.5	100.7	100.7	7.4	7.4	4.1	4.1	7	7	80	80	75	821513	810548	<0.2	<0.2	1.0	1.0			
						3.8	0.2	73	22.2	22.2	8.1	8.1	29.5	29.5	101.1	101.2	7.4	7.4	5.1	5.1	8	8	83	83	75	821513	810548	<0.2	<0.2	1.0	1.0			
					Middle	3.8	0.2	74	22.2	22.2	8.1	8.1	29.5	29.5	101.3	101.2	7.4	7.4	5.1	5.1	8	8	80	80	75	821513	810548	<0.2	<0.2	0.9	0.9			
						6.6	0.1	80	22.2	22.2	8.1	8.1	29.5	29.5	102.1	102.3	7.5	7.5	6.1	6.1	8	8	82	82	75	821513	810548	<0.2	<0.2	0.9	0.9			
						6.6	0.2	75	22.1	22.1	8.1	8.1	29.5	29.5	102.5	102.3	7.5	7.5	6.0	6.0	8	8	82	82	75	821513	810548	<0.2	<0.2	0.9	0.9			
IM12	Misty	Rough	11:15	8.2	Surface	1.0	0.2	82	22.2	22.2	8.1	8.1	29.5	29.5	100.5	100.7	7.4	7.4	3.0	3.0	5	5	48	48	75	821157	811517	<0.2	<0.2	0.9	0.9			
						1.0	0.2	78	22.2	22.2	8.1	8.1	29.6	29.6	100.8	100.7	7.4	7.4	3.1	3.1	6	6	49	49	75	821157	811517	<0.2	<0.2	1.0	1.0			
						4.1	0.2	99	22.2	22.2	8.1	8.1	29.6	29.6	101.1	101.2	7.4	7.4	4.2	4.2	8	8	87	87	75	821157	811517	<0.2	<0.2	0.9	0.9			
					Middle	4.1	0.2	100	22.2	22.2	8.1	8.1	29.6	29.6	101.3	101.2	7.4	7.4	4.1	4.1	7	7	87	87	75	821157	811517	<0.2	<0.2	1.0	1.0			
						7.2	0.2	109	22.1	22.1	8.1	8.1	29.8	29.7	102.8	103.2	7.5	7.5	5.2	5.2	7	7	90	90	75	821157	811517	<0.2	<0.2	1.0	1.0			
						7.2	0.2	107	22.2	22.2	8.1	8.1	29.7	29.7	103.6	103.6	7.6	7.6	5.3	5.3	8	8	90	90	75	821157	811517	<0.2	<0.2	0.9	0.9			
SR1A	Misty	Rough	11:37	5.0	Surface	1.0	0.0	57	22.5	22.5	8.1	8.1	28.3	28.3	99.7	99.8	7.3	7.3	2.2	2.2	5	5	-	-	-	819983	812661	-	-	-	-			
						1.0	-	59	22.5	22.5	8.1	8.1	28.3	28.3	99.9	99.9	7.3	7.3	2.1	2.1	6	6	-	-	-	819983	812661	-	-	-	-			
						2.5	0.0	60	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	-	-	-	819983	812661	-	-	-	-		
					Middle	2.5	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	3.0	-	-	-	-	-	819983	812661	-	-	-	-
						4.0	0.0	59	22.5	22.5	8.1	8.1	28.3	28.3	100.3	100.5	7.4	7.4	4.0	4.0	9	9	-	-	-	-	-	819983	812661	-	-	-	-	
						4.0	0.0	61	22.5	22.5	8.1	8.1	28.3	28.3	100.6	100.5	7.4	7.4	3.9	3.9	8	8	-	-	-	-	-	819983	812661	-	-	-	-	
SR2	Misty	Rough	11:48	5.2	Surface	1.0	0.2	41	22.2	22.2	8.1	8.1	29.4	29.5	103.2	103.4	7.6	7.6	3.6	3.6	6	6	68	68	77	821461	814145	<0.2	<0.2	1.0	1.0			
						1.0	0.2	41	22.2	22.2	8.1	8.1	29.5	29.5	103.6	103.6	7.6	7.6	3.5	3.5	6	6	68	68	77	821461	814145	<0.2	<0.2	1.0	1.0			
						-	0.3	33	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	3.8	-	-	-	-	-	821461	814145	<0.2	<0.2	-	-
					Middle	-	0.3	28	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	3.8	-	-	-	-	-	821461	814145	<0.2	<0.2	-	-
						4.2	0.3	34	22.2	22.2	8.1	8.1	29.5	29.5	104.3	104.6	7.7	7.7	4.1	4.1	6	6	86	86	77	821461	814145	<0.2	<0.2	0.9	0.9			
						4.2	0.3	35	22.2	22.2	8.1	8.1	29.5	29.5	104.9	104.9	7.7	7.7	4.1	4.1	7	7	87	87	77	821461	814145	<0.2	<0.2	0.9	0.9			
SR3	Misty	Rough	11:28	8.6	Surface	1.0	0.1	94	22.2	22.2	8.1	8.1	29.3	29.3	98.4	98.4	7.2	7.2	5.1	5.1	8	8	-	-	-	822143	807557	-	-	-	-			
						1.0	0.1	93	22.2	22.2	8.1	8.1	29.4	29.4	98.4	98.4	7.2	7.2	5.1	5.1	8	8	-	-	-	822143	807557	-	-	-	-			
						4.3	0.1	106	22.2	22.2	8.1	8.1	29.4	29.4	98.7	98.8	7.3	7.3	6.1	6.1	9	9	-	-	-	822143	807557	-	-	-	-			
					Middle	4.3	0.1	108	22.2	22.2	8.1	8.1	29.3	29.4	98.9	98.8	7.3	7.3	6.2	6.2	8	8	-	-	-	822143	807557	-	-	-	-			
						7.6	0.2	79	22.2	22.2	8.1	8.1	29.3	29.3	99.3	99.4	7.3	7.3	7.6	7.6	8	8	-	-	-	822143	807557	-	-	-	-			
						7.6	0.2	80	22.2	22.2	8.1	8.1	29.3	29.3	99.4	99.4	7.3	7.3	7.6	7.6	9	9	-	-	-	822143	807557	-	-	-	-			
SR4A	Misty	Rough	12:38	9.0	Surface	1.0	0.0	54	22.2	22.2	8.1	8.1	29.4	29.4	99.0	99.0	7.3	7.3	2.0	2.0	6	6	-	-	-	817171	807798	-	-	-	-			
						1.0	0.0	53	22.2	22.2	8.1	8.1	29.4	29.4	99.0	99.0	7.3	7.3	2.1	2.1	7	7	-	-	-	817171	807798	-	-	-	-			
						4.5	0.0	59	22.2	22.2	8.1	8.1	29.4	29.4	99.2	99.3	7.3	7.3	3.1	3.1	9	9	-	-	-	817171	807798	-	-	-	-			
					Middle	4.5	0.0	62	22.2	22.2	8.1	8.1	29.4	29.4	99.3	99.3	7.3	7.3	3.2	3.2	8	8	-	-	-	817171	807798	-	-	-	-			
						8.0	0.0	72	22.2	22.2	8.1	8.1	29.4	29.4	99.5	99.6	7.3	7.3	4.5	4.5	10	10	-	-	-	817171	807798	-	-	-	-			
						8.0	0.1	78	22.2	22.2	8.1	8.1	29.4	29.4	99.6	99.6	7.3	7.3	4.6	4.6	10	10	-	-	-	817171	807798	-	-	-	-			
SR8	Misty	Rough	11:20	4.8	Surface	1.0	-	-	22.3	22.3	8.1	8.1	29.3	29.3	102.1	102.2	7.5	7.5	5.1	5.1	6	6	-	-	-	820408	811637	-	-	-	-			
						1.0	-	-	22.3	22.3	8.1	8.1	29.3	29.3	102.3	102.2	7.5	7.5	5.1	5.1	7	7	-	-	-	820408	811637	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	5.6	-	-	-	820408	811637	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	5.6	-	-	-	820408	811637	-	-	-	-		
						3.8	-	-	22.2	22.2	8.1	8.1	29.3	29.3	103.4	103.8	7.																	

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

**Water Quality Monitoring Results on 16 April 22 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		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	Misty	Rough	07:24	9.0	Surface	1.0	0.4	19	22.1	22.1	8.1	8.1	30.0	30.0	99.2	99.3	7.3	7.3	4.2	4.2	8	8	44	44			<0.2	<0.2	0.9	0.9					
						1.0	0.4	17	22.1			30.0	30.0	99.3		7.3	7.3	4.2	4.2	9	9	44	44					<0.2	<0.2	0.9	0.9				
						4.5	0.5	17	22.1	22.1	8.1	8.1	30.0	30.0	99.8	99.9	7.3	7.3	5.2	5.2	7	7	87	87			<0.2	<0.2	1.0	0.9					
						4.5	0.5	14	22.1			30.0	30.0	100.0		7.3	7.3	5.2	5.2	6	6	87	87			<0.2	<0.2	0.9	0.9						
						8.0	0.4	31	22.1	22.1	8.1	8.1	30.0	30.0	100.8	101.0	7.4	7.4	6.2	6.2	6	6	87	87			<0.2	<0.2	0.9	0.9					
						8.0	0.4	32	22.1			30.0	30.0	101.1		7.4	7.4	6.2	6.2	7	7	87	87			<0.2	<0.2	0.9	0.9						
					C2	Misty	Rough	08:29	10.2	Surface	1.0	0.4	350	22.4	22.4	8.1	8.1	28.8	28.8	100.8	100.9	7.4	7.4	2.0	2.0	11	11	44	44			<0.2	<0.2	0.8	0.9
											1.0	0.4	346	22.4			28.8	28.8	101.0		7.4	7.5	2.1	2.1	12	12	44	44			<0.2	<0.2	0.9	0.9	
											5.1	0.4	7	22.4	22.4	8.1	8.1	28.8	28.8	101.7	102.0	7.5	7.5	3.4	3.4	10	10	87	87			<0.2	<0.2	0.9	0.9
										5.1	0.4	3	22.4			28.7	28.7	102.2		7.5	7.5	3.5	3.5	10	10	87	87			<0.2	<0.2	1.0	0.9		
										9.2	0.4	7	22.3	22.2	8.1	8.1	28.3	28.3	104.5	106.8	7.7	7.5	4.1	4.1	8	8	87	87			<0.2	<0.2	1.0	1.0	
										9.2	0.4	10	22.1			28.2	28.2	109.1		7.2	7.2	4.1	4.1	8	8	87	87			<0.2	<0.2	1.0	1.0		
C3	Misty	Rough	07:10	9.8	Surface	1.0	0.5	259	22.0	22.0	8.0	8.0	30.7	30.7	100.2	100.1	7.3	7.3	1.4	1.4	8	8	44	44			<0.2	<0.2	0.9	0.9					
						1.0	0.4	251	21.9			30.7	30.7	100.0		7.3	7.3	1.4	1.4	7	7	43	43			<0.2	<0.2	0.9	0.9						
					Middle	4.9	0.5	277	21.9	21.9	8.0	8.0	31.4	31.4	98.8	98.8	7.2	7.2	2.2	2.2	7	7	86	86			<0.2	<0.2	1.0	1.0					
						4.9	0.5	275	21.9			31.4	31.4	98.8		7.2	7.2	2.2	2.2	8	8	86	86			<0.2	<0.2	0.9	0.9						
					Bottom	8.8	0.5	238	21.9	21.9	8.0	8.0	31.4	31.4	99.3	99.4	7.2	7.3	3.2	3.2	9	9	87	87			<0.2	<0.2	1.0	1.0					
						8.8	0.5	242	21.9			31.4	31.4	99.5		7.3	7.3	3.0	3.0	10	10	87	87			<0.2	<0.2	1.0	1.0						
IM1	Misty	Rough	07:42	6.4	Surface	1.0	0.3	30	22.3	22.3	8.1	8.1	28.9	28.9	98.6	98.7	7.3	7.3	4.0	4.0	7	7	52	52			<0.2	<0.2	0.9	0.9					
						1.0	0.4	28	22.3			28.9	28.9	98.7		7.3	7.3	4.1	4.1	6	6	52	52			<0.2	<0.2	0.9	0.9						
						3.2	0.3	5	22.3	22.3	8.1	8.1	28.9	28.9	98.7	98.8	7.3	7.3	5.2	5.2	7	7	86	86			<0.2	<0.2	0.9	0.9					
					3.2	0.3	359	22.3			28.9	28.9	98.8		7.3	7.3	5.3	5.3	6	6	87	87			<0.2	<0.2	0.9	0.9							
					Bottom	5.4	0.3	358	22.3	22.3	8.1	8.1	28.9	28.9	98.8	98.9	7.3	7.3	6.4	6.4	8	8	87	87			<0.2	<0.2	0.9	0.9					
						5.4	0.2	359	22.3			29.0	28.9	99.0		7.3	7.3	6.4	6.4	8	8	87	87			<0.2	<0.2	1.0	1.0						
IM2	Misty	Rough	07:47	7.2	Surface	1.0	0.3	3	22.5	22.5	8.1	8.1	28.2	28.2	97.3	97.3	7.2	7.2	2.2	2.2	9	9	48	48			<0.2	<0.2	0.9	0.9					
						1.0	0.3	1	22.5			28.2	28.2	97.3		7.2	7.2	2.5	2.5	8	8	48	48			<0.2	<0.2	0.9	0.9						
					Middle	3.6	0.3	3	22.5	22.5	8.1	8.1	28.2	28.2	97.3	97.3	7.2	7.2	3.5	3.5	9	9	86	86			<0.2	<0.2	0.9	0.9					
						3.6	0.3	9	22.5			28.2	28.2	97.2		7.2	7.2	3.5	3.5	10	10	86	86			<0.2	<0.2	1.0	0.8						
					Bottom	6.2	0.3	35	22.5	22.5	8.1	8.1	28.2	28.2	97.3	97.3	7.2	7.2	4.8	4.8	11	11	86	86			<0.2	<0.2	0.8	0.8					
						6.2	0.3	39	22.5			28.2	28.2	97.3		7.2	7.2	4.8	4.8	12	12	87	87			<0.2	<0.2	0.9	0.9						
IM7	Misty	Rough	08:06	8.0	Surface	1.0	0.2	358	22.5	22.5	8.1	8.1	28.2	28.2	96.9	96.9	7.1	7.1	2.0	2.0	6	6	49	49			<0.2	<0.2	0.9	0.9					
						1.0	0.2	351	22.5			28.2	28.2	96.9		7.1	7.1	2.1	2.1	7	7	49	49			<0.2	<0.2	0.9	0.9						
					Middle	4.0	0.3	356	22.5	22.5	8.1	8.1	28.2	28.2	96.9	97.0	7.1	7.1	3.6	3.6	10	10	86	86			<0.2	<0.2	0.9	0.9					
						4.0	0.3	353	22.5			28.2	28.2	97.0		7.1	7.1	3.5	3.5	9	9	86	86			<0.2	<0.2	0.9	0.9						
					Bottom	7.0	0.2	0	22.5	22.5	8.1	8.1	28.2	28.2	97.2	97.3	7.2	7.2	4.4	4.4	11	11	91	91			<0.2	<0.2	1.0	1.0					
						7.0	0.2	2	22.5			28.2	28.2	97.3		7.2	7.2	4.4	4.4	10	10	91	91			<0.2	<0.2	1.0	1.0						

DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
 Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 16 April 22 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		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					
IM10	Misty	Rough	08:13	8.2	Surface	1.0	0.4	299	22.2	22.2	8.1	8.1	29.4	29.4	101.0	101.1	7.4	7.4	6.4	7.5	6	8	48	74	822246	809843	<0.2	<0.2	0.9	0.9							
						1.0	0.4	303	22.2	8.1	8.1	29.4	29.4	101.2	101.1	7.4	7.4	6.5	7	48	7	48	7	48	7	48	74	809843	<0.2	<0.2	0.9	0.9					
						4.1	0.4	305	22.2	8.1	8.1	29.4	29.4	101.8	102.0	7.5	7.5	7.2	7	83	8	83	8	83	8	83	74	809843	<0.2	<0.2	0.9	0.9					
					4.1	0.4	306	22.2	8.1	8.1	29.4	29.4	102.2	102.0	7.5	7.5	7.2	7	8	8	83	7	8	8	90	74	809843	<0.2	<0.2	0.8	0.8						
					7.2	0.4	275	22.2	8.1	8.1	29.4	29.4	103.3	103.7	7.6	7.6	8.8	7.7	8	8	90	6	8	6	90	74	809843	<0.2	<0.2	1.0	1.0						
					7.2	0.4	268	22.2	8.1	8.1	29.3	29.4	104.0	103.7	7.7	7.7	8.9	7.7	9	8	90	5	9	5	90	74	809843	<0.2	<0.2	1.0	1.0						
					IM11	Misty	Rough	08:07	7.0	Surface	1.0	0.4	282	22.2	22.2	8.1	8.1	29.4	29.4	101.2	101.3	7.4	7.4	4.0	7.5	8	7	47	75	821506	810541	<0.2	<0.2	0.9	0.9		
											1.0	0.4	286	22.2	8.1	8.1	29.4	29.4	101.3	101.3	7.4	7.4	4.1	7	47	7	47	7	47	7	47	75	810541	<0.2	<0.2	0.9	0.9
											3.5	0.4	271	22.2	8.1	8.1	29.4	29.4	101.9	102.1	7.5	7.5	5.1	5.1	87	6	87	6	87	6	87	75	810541	<0.2	<0.2	1.0	0.9
3.5	0.5	265	22.2	8.1						8.1	29.4	29.4	102.3	102.1	7.5	7.5	5.2	5.2	87	6	87	6	87	6	87	75	810541	<0.2	<0.2	0.9	0.9						
6.0	0.5	275	22.2	8.1						8.1	29.4	29.4	103.2	103.2	7.6	7.6	6.2	6.2	90	6	90	5	90	5	90	75	810541	<0.2	<0.2	0.9	0.9						
6.0	0.4	277	22.2	8.1						8.1	29.4	29.4	104.1	103.7	7.6	7.6	6.2	6.2	90	5	90	5	90	5	90	75	810541	<0.2	<0.2	0.9	0.9						
IM12	Misty	Rough	08:01	8.6	Surface	1.0	0.5	272	22.2	22.2	8.1	8.1	29.4	29.4	100.0	100.1	7.3	7.4	7.1	7.5	9	7	44	72	821149	811539	<0.2	<0.2	0.9	0.9							
						1.0	0.5	275	22.2	8.1	8.1	29.5	29.4	100.2	100.1	7.4	7.4	7.1	7	44	7	44	7	44	7	44	72	811539	<0.2	<0.2	0.9	0.9					
						4.3	0.5	281	22.2	8.1	8.1	29.5	29.5	101.2	101.3	7.4	7.4	8.4	7.4	86	7	86	7	86	7	86	72	811539	<0.2	<0.2	1.0	0.9					
					4.3	0.5	286	22.2	8.1	8.1	29.5	29.5	101.4	101.3	7.5	7.5	8.5	7.5	86	7	86	7	86	7	86	72	811539	<0.2	<0.2	0.9	0.9						
					7.6	0.4	272	22.2	8.1	8.1	29.5	29.5	102.6	102.9	7.5	7.5	9.0	7.6	87	6	87	6	87	6	87	72	811539	<0.2	<0.2	1.0	0.9						
					7.6	0.4	272	22.2	8.1	8.1	29.5	29.5	103.2	102.9	7.6	7.6	9.1	7.6	87	5	87	5	87	5	87	72	811539	<0.2	<0.2	0.9	0.9						
SR1A	Misty	Rough	07:41	4.8	Surface	1.0	0.0	182	22.5	22.5	8.1	8.1	28.3	28.3	98.8	99.0	7.3	7.3	4.0	7.3	7	7	-	-	819973	812657	-	-	-	-							
						1.0	0.0	180	22.5	8.1	8.1	28.3	28.3	99.2	99.0	7.3	7.3	4.0	7.3	7	7	-	7	-	-	-	-	-	-	-	-	-					
						2.4	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	7	-	-	819973	812657	-	-	-	-				
					2.4	0.0	208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	7	-	-	819973	812657	-	-	-	-					
					3.8	0.0	204	22.5	8.1	8.1	28.3	28.2	99.8	100.0	7.3	7.4	4.0	7.4	6	8	-	7	6	8	-	-	819973	812657	-	-	-	-					
					3.8	0.0	207	22.5	8.1	8.1	28.2	28.2	100.1	100.0	7.4	7.4	4.1	7.4	8	8	-	7	8	8	-	-	819973	812657	-	-	-	-					
SR2	Misty	Rough	07:28	5.2	Surface	1.0	0.1	222	22.1	22.1	8.1	8.1	30.0	30.0	102.4	102.5	7.5	7.5	5.1	7.5	10	9	44	66	821484	814149	<0.2	<0.2	0.9	0.9							
						1.0	0.1	226	22.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	9	44	66	821484	814149	<0.2	<0.2	0.9	0.9				
						-	0.1	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	9	-	-	821484	814149	<0.2	<0.2	0.9	0.9				
					-	0.1	233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	9	-	-	821484	814149	<0.2	<0.2	0.9	0.9					
					4.2	0.1	243	22.1	8.1	8.1	30.1	30.1	105.2	105.4	7.7	7.7	6.7	7.7	7	7	87	7	87	7	87	66	821484	814149	<0.2	<0.2	1.0	0.9					
					4.2	0.1	237	22.1	8.1	8.1	30.1	30.1	105.5	105.5	7.7	7.7	6.5	7.7	7	7	87	7	87	7	87	66	821484	814149	<0.2	<0.2	0.9	0.9					
SR3	Misty	Rough	08:12	8.8	Surface	1.0	0.3	346	22.5	22.5	8.1	8.1	28.2	28.2	97.4	97.4	7.2	7.2	2.1	7.3	6	9	-	-	822124	807585	-	-	-	-							
						1.0	0.3	344	22.5	8.1	8.1	28.2	28.2	97.4	97.4	7.2	7.2	2.2	7.3	8	9	-	7.3	8	9	-	-	822124	807585	-	-	-	-				
						4.4	0.4	3	22.5	8.1	8.1	28.2	28.2	97.6	97.6	7.3	7.3	3.8	7.3	9	10	-	7.3	9	10	-	-	822124	807585	-	-	-	-				
					4.4	0.4	8	22.5	8.1	8.1	28.2	28.2	97.6	97.6	7.3	7.3	3.8	7.3	10	10	-	7.3	10	10	-	-	822124	807585	-	-	-	-					
					7.8	0.4	335	22.5	8.1	8.1	28.2	28.2	97.9	98.0	7.3	7.3	4.8	7.3	10	11	-	7.3	10	11	-	-	822124	807585	-	-	-	-					
					7.8	0.4	328	22.5	8.1	8.1	28.2	28.2	98.0	98.0	7.3	7.3	4.8	7.3	11	11	-	7.3	11	11	-	-	822124	807585	-	-	-	-					
SR4A	Misty	Rough	07:04	9.4	Surface	1.0	0.0	200	21.9	21.9	8.0	8.0	31.0	31.1	99.4	99.4	7.3	7.3	1.0	7.3	8	8	-	-	817204	807829	-	-	-	-							
						1.0	0.0	193	21.9	8.0	8.0	31.1	31.1	99.3	99.4	7.3	7.3	1.0	7.3	8	8	-	7.3	8	8	-	-	817204	807829	-	-	-	-				
						4.7	0.0	190	21.9	8.0	8.0	31.3	31.3	99.6	99.7	7.3	7.3	1.1	7.3	7	8	-	7.3	7	8	-	-	817204	807829	-	-	-	-				
					4.7	0.1	189	21.9	8.0	8.0	31.2	31.2	99.8	99.8	7.3	7.3	1.1	7.3	8	8	-	7.3	8	8	-	-	817204	807829	-	-	-	-					
					8.4	0.1	208	21.9	8.0	8.0	30.9	30.9	100.4	100.5	7.3	7.4	1.5	7.4	8	8	-	7.4	8	8	-	-	817204	807829	-	-	-	-					
					8.4	0.0	213	22.0	8.0	8.0	30.8	30.8	100.6	100.6	7.4	7.4	1.4	7.4	7	7	-	7.4	7	7	-	-	817204	807829	-	-	-	-					
SR8	Misty	Rough	07:57	5.2	Surface	1.0	-	-	22.3	22.3	8.1	8.1	29.1	29.1	101.7	101.8	7.5	7.5	5.1	7.5	8	7	-	-	820403	811612	-	-	-	-							
						1.0	-	-	22.3	22.3	8.1	8.1	29.1	29.1	101.9	101.8	7.5	7.5	5.2	7.5	7	7	-	7.5	7	7	-	-	820403	811612	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	7	-	-	820403	811612	-	-	-	-				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	7	-	-	820403	811612	-	-	-	-					
					4.2																																

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
									C1	Cloudy	Moderate	13:47	8.0	Surface	1.0	0.3	219	21.8	21.8	8.0	8.0	29.2	29.2	98.5			98.5	7.3	7.2	2.4	3.6	6	5	47	50
1.0	0.4	216	21.8	21.8	8.0	8.0	29.3	29.3							98.4	98.5	7.3	7.2	2.5	3.6	6	5	48	50	49	50	<0.2	<0.2	1.0	1.0					
4.0	0.3	220	21.7	21.7	8.1	8.1	30.1	30.2							94.2	94.2	7.0	7.0	4.1	4.1	5	5	49	50	50	50	<0.2	<0.2	0.9	0.9					
Middle	4.0	0.3	216	21.7	21.8	8.1	8.1	30.2						30.5	94.2	94.8	7.0	7.0	4.1	4.4	5	6	5	6	50	51	49	50	<0.2	<0.2	1.0	1.0			
	7.0	0.3	218	21.8	21.8	8.1	8.1	30.6						30.5	94.7	94.8	7.0	7.0	4.4	4.4	4	6	4	6	53	51	49	50	<0.2	<0.2	1.0	1.0			
	7.0	0.4	215	21.8	21.8	8.1	8.1	30.5						30.5	94.8	94.8	7.0	7.0	4.4	4.4	5	6	5	6	51	51	49	50	<0.2	<0.2	1.0	1.0			
C2	Cloudy	Moderate	12:58	11.8	Surface	1.0	0.3	158						22.0	22.0	8.0	8.0	28.4	28.4	94.7	94.8	7.0	6.9	6.4	7.5	4	6	47	50	825692	806952	<0.2	<0.2	1.0	1.0
						1.0	0.2	156						22.0	22.0	8.0	8.0	28.5	28.4	94.8	94.8	7.1	6.9	6.4	7.5	5	6	48	50	48	50	<0.2	<0.2	1.0	1.0
						5.9	0.3	167						21.9	21.9	8.0	8.0	29.2	29.2	91.2	91.2	6.8	6.8	7.8	7.7	6	6	48	50	48	50	<0.2	<0.2	0.9	0.9
					Middle	5.9	0.3	173	21.9	21.9	8.0	8.0	29.2	29.2	91.2	91.2	6.8	6.8	7.7	7.7	6	6	6	6	50	52	49	50	<0.2	<0.2	0.9	0.9			
						10.8	0.3	146	21.9	21.9	8.0	8.0	29.2	29.2	91.5	91.6	6.8	6.8	8.3	8.3	6	6	6	6	52	52	49	50	<0.2	<0.2	0.9	0.9			
						10.8	0.3	139	21.9	21.9	8.0	8.0	29.2	29.2	91.6	91.6	6.8	6.8	8.3	8.3	7	6	6	6	52	52	49	50	<0.2	<0.2	1.0	1.0			
					C3	Cloudy	Rough	14:03	11.8	Surface	1.0	0.6	81	21.9	21.9	8.0	8.0	31.3	31.4	91.0	91.0	6.6	6.6	6.6	7.4	5	5	46	49	822099	817825	<0.2	<0.2	0.9	0.9
											1.0	0.5	83	21.9	21.9	8.0	8.0	31.4	31.4	91.0	91.0	6.6	6.6	6.5	6.6	5	5	47	48	47	48	<0.2	<0.2	1.0	1.0
											5.9	0.6	60	21.9	21.9	8.0	8.0	31.9	31.9	91.2	91.3	6.6	6.6	6.6	6.6	6	5	48	48	48	48	<0.2	<0.2	1.0	1.0
Middle	5.9	0.5	53	21.9						21.9	8.0	8.0	31.9	31.9	91.3	91.3	6.7	6.7	6.9	6.9	4	4	4	4	48	51	49	50	<0.2	<0.2	1.0	1.0			
	10.8	0.6	93	21.9						21.9	7.8	7.8	32.2	32.3	92.5	92.5	6.7	6.7	8.8	8.8	6	6	6	6	51	51	49	50	<0.2	<0.2	1.0	1.0			
	10.8	0.6	87	21.8						21.8	7.8	7.8	32.3	32.3	92.5	92.5	6.7	6.7	8.8	8.8	6	6	6	6	51	51	49	50	<0.2	<0.2	0.9	0.9			
IM1	Cloudy	Moderate	13:37	6.6						Surface	1.0	0.2	185	21.8	21.8	8.0	8.0	29.7	29.8	99.9	100.0	7.4	7.2	4.3	6.1	5	5	47	49	818364	806457	<0.2	<0.2	1.0	0.9
											1.0	0.2	191	21.8	21.8	8.0	8.0	29.8	29.8	100.1	100.0	7.4	7.1	4.4	7.0	6	6	48	49	47	48	<0.2	<0.2	0.9	0.9
											3.3	0.1	199	21.6	21.6	8.0	8.0	30.1	30.1	93.4	93.5	6.9	6.9	6.7	6.6	6	5	49	49	49	49	<0.2	<0.2	1.0	0.9
					Middle	3.3	0.1	203	21.6	21.6	8.0	8.0	30.1	30.1	93.5	93.5	6.9	6.9	6.6	6.6	5	5	49	49	49	49	<0.2	<0.2	0.9	0.9					
						5.6	0.1	195	21.6	21.6	8.0	8.0	30.1	30.1	94.6	94.7	7.0	7.0	7.3	7.3	4	4	51	51	51	51	<0.2	<0.2	0.9	0.9					
						5.6	0.1	195	21.6	21.6	8.0	8.0	30.0	30.0	94.7	94.7	7.0	7.0	7.3	7.3	4	4	51	51	51	51	<0.2	<0.2	0.9	0.9					
					IM2	Cloudy	Moderate	13:32	7.2	Surface	1.0	0.2	185	21.8	21.8	8.0	8.0	29.8	29.8	96.7	96.8	7.2	7.1	5.4	7.0	4	6	48	50	819188	806241	<0.2	<0.2	1.0	1.0
											1.0	0.1	178	21.8	21.8	8.0	8.0	29.8	29.8	96.9	96.9	7.2	7.1	5.4	7.1	5	6	47	48	47	48	<0.2	<0.2	1.0	1.0
											3.6	0.1	185	21.7	21.7	8.0	8.0	30.0	30.0	92.9	92.9	6.9	6.9	7.2	7.2	5	6	50	50	50	50	<0.2	<0.2	1.0	1.0
Middle	3.6	0.2	184	21.7						21.7	8.0	8.0	30.0	30.0	92.9	92.9	6.9	6.9	7.3	7.3	6	6	50	50	50	50	<0.2	<0.2	1.0	1.0					
	6.2	0.1	192	21.6						21.6	8.0	8.0	30.4	30.4	93.6	93.7	6.9	6.9	8.3	8.3	6	6	51	51	51	51	<0.2	<0.2	0.9	0.9					
	6.2	0.1	191	21.6						21.6	8.0	8.0	30.4	30.4	93.7	93.7	6.9	6.9	8.4	8.4	7	6	52	52	51	51	<0.2	<0.2	0.9	0.9					
IM7	Cloudy	Moderate	13:15	7.0						Surface	1.0	0.1	129	22.1	22.1	7.9	7.9	27.2	27.2	101.1	101.2	7.6	7.3	4.3	5.6	5	5	48	50	821351	806850	<0.2	<0.2	1.0	0.9
											1.0	0.1	126	22.0	22.0	7.9	7.9	27.2	27.2	101.2	101.2	7.6	7.3	4.3	5.6	5	5	47	48	47	48	<0.2	<0.2	0.9	0.9
											3.5	0.2	113	21.8	21.8	8.0	8.0	29.5	29.5	93.0	93.0	6.9	6.9	5.4	5.4	5	5	50	51	50	51	<0.2	<0.2	1.0	0.9
					Middle	3.5	0.2	109	21.8	21.8	8.0	8.0	29.5	29.5	93.0	93.0	6.9	6.9	5.4	5.4	5	5	51	51	51	51	<0.2	<0.2	0.9	0.9					
						6.0	0.2	123	21.8	21.8	8.0	8.0	29.5	29.5	93.5	93.6	6.9	6.9	7.0	7.0	5	5	52	52	52	52	<0.2	<0.2	0.8	0.8					
						6.0	0.2	122	21.8	21.8	8.0	8.0	29.5	29.5	93.7	93.7	6.9	6.9	7.0	7.0	5	5	51	51	51	51	<0.2	<0.2	0.9	0.9					

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 19 April 22 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		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
IM10	Cloudy	Rough	12:58	8.5	Surface	1.0	0.3	88	21.9	21.9	8.0	8.0	29.0	29.0	93.6	93.6	6.9	6.9	9.0	13.7	6	6	46	49	822216	809826	<0.2	<0.2	0.9	0.9						
						1.0	0.4	91	21.9	8.0	8.0	29.1	29.1	93.6	93.6	6.9	6.9	9.5	14.3	5	5	47	47	<0.2	<0.2	1.0	1.0									
						4.3	0.3	111	21.8	8.0	8.0	29.4	29.4	93.8	93.9	6.9	6.9	15.3	17.8	6	6	48	49	<0.2	<0.2	0.9	0.9									
						4.3	0.3	111	21.8	8.0	8.0	29.4	29.4	93.9	93.9	6.9	6.9	15.0	17.3	6	6	49	51	<0.2	<0.2	1.0	1.0									
						7.5	0.3	89	21.8	8.0	8.0	29.5	29.5	94.7	94.8	7.0	7.0	15.6	17.5	6	6	51	52	<0.2	<0.2	1.0	1.0									
						7.5	0.4	91	21.8	8.0	8.0	29.5	29.5	94.9	94.8	7.0	7.0	17.9	18.5	6	6	52	51	<0.2	<0.2	0.9	0.9									
IM11	Cloudy	Rough	13:04	8.4	Surface	1.0	0.4	102	21.8	21.8	8.0	8.0	29.1	29.1	93.5	93.5	6.9	6.9	14.3	16.6	4	6	47	49	821489	810556	<0.2	<0.2	1.0	1.0						
						1.0	0.4	108	21.8	8.0	8.0	29.2	29.2	93.5	93.5	6.9	6.9	14.0	17.8	5	6	47	48	<0.2	<0.2	1.0	1.0									
						4.2	0.4	96	21.8	8.0	8.0	29.2	29.2	94.1	94.2	7.0	7.0	17.8	17.3	6	6	49	48	<0.2	<0.2	1.0	1.0									
						4.2	0.5	95	21.8	8.0	8.0	29.2	29.2	94.3	94.2	7.0	7.0	17.3	17.5	6	6	48	50	<0.2	<0.2	1.0	1.0									
						7.4	0.4	97	21.8	8.0	8.0	29.3	29.3	96.7	96.8	7.2	7.2	17.5	18.5	6	6	50	51	<0.2	<0.2	1.0	1.0									
						7.4	0.4	92	21.8	8.0	8.0	29.3	29.3	96.9	96.8	7.2	7.2	18.5	18.5	6	6	51	51	<0.2	<0.2	0.9	0.9									
IM12	Cloudy	Rough	13:10	9.4	Surface	1.0	0.5	90	21.9	21.9	8.0	8.0	29.4	29.4	92.4	92.4	6.8	6.8	11.0	12.1	6	6	46	49	821151	811510	<0.2	<0.2	0.8	0.9						
						1.0	0.5	84	21.9	8.0	8.0	29.4	29.4	92.4	92.4	6.8	6.8	11.3	12.2	5	6	47	48	<0.2	<0.2	1.0	1.0									
						4.7	0.4	94	21.9	8.0	8.0	29.5	29.5	92.6	92.7	6.8	6.8	12.2	12.3	6	6	49	48	<0.2	<0.2	0.9	0.9									
						4.7	0.4	93	21.9	8.0	8.0	29.5	29.5	92.7	92.7	6.8	6.8	12.3	12.9	6	6	48	51	<0.2	<0.2	0.9	0.9									
						8.4	0.5	79	21.9	8.0	8.0	29.6	29.6	93.2	93.5	6.9	6.9	12.9	13.1	6	6	51	52	<0.2	<0.2	1.0	1.0									
						8.4	0.5	83	21.9	8.0	8.0	29.6	29.6	93.8	93.8	6.9	6.9	13.1	13.1	6	6	52	52	<0.2	<0.2	0.9	0.9									
SR1A	Cloudy	Rough	13:33	5.8	Surface	1.0	0.0	53	21.9	21.9	8.0	8.0	29.8	29.8	91.2	91.3	6.7	6.7	7.9	9.0	6	5	-	-	819980	812659	-	-	-	-						
						1.0	-	51	21.9	8.0	8.0	29.8	29.8	91.3	91.3	6.7	6.7	8.1	8.1	5	5	-	-	-	-	-	-	-	-							
						2.9	-	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.9	0.0	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.8	-	47	21.9	8.0	8.0	29.9	29.9	92.1	92.2	6.8	6.8	10.0	10.0	4	4	-	-	-	-	-	-	-	-	-	-	-				
						4.8	0.0	52	21.9	8.0	8.0	29.9	29.9	92.2	92.2	6.8	6.8	9.9	9.9	5	5	-	-	-	-	-	-	-	-	-	-	-				
SR2	Cloudy	Rough	13:45	4.7	Surface	1.0	0.3	43	21.9	21.9	8.0	8.0	29.2	29.2	93.4	93.5	6.9	6.9	6.0	6.4	5	6	48	49	821474	814181	<0.2	<0.2	0.8	0.9						
						1.0	0.4	43	21.9	8.0	8.0	29.2	29.2	93.5	93.5	6.9	6.9	6.0	6.0	5	6	47	48	<0.2	<0.2	1.0	1.0									
						-	0.4	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.4	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.7	0.4	41	21.9	8.0	8.0	30.0	30.0	97.2	97.5	7.2	7.2	6.8	6.8	6	6	51	50	<0.2	<0.2	1.0	1.0									
						3.7	0.5	33	21.9	8.0	8.0	30.0	30.0	97.7	97.7	7.2	7.2	6.8	6.8	6	6	50	50	<0.2	<0.2	0.9	0.9									
SR3	Cloudy	Moderate	13:09	8.2	Surface	1.0	0.2	124	21.9	21.9	7.9	7.9	28.1	28.2	97.9	98.0	7.3	7.3	4.6	5.4	4	5	-	-	822165	807564	-	-	-	-						
						1.0	0.2	121	21.9	7.9	7.9	28.3	28.3	98.0	98.0	7.3	7.3	4.6	4.6	5	5	-	-	-	-	-	-	-	-	-						
						4.1	0.3	132	21.8	8.0	8.0	28.8	28.8	89.1	89.2	6.6	6.6	5.3	5.3	5	5	-	-	-	-	-	-	-	-	-						
						4.1	0.3	128	21.8	8.0	8.0	28.8	28.8	89.2	89.2	6.6	6.6	5.3	5.3	5	5	-	-	-	-	-	-	-	-	-						
						7.2	0.3	119	21.8	8.0	8.0	29.1	29.1	90.2	90.3	6.7	6.7	6.4	6.4	6	6	-	-	-	-	-	-	-	-	-						
						7.2	0.3	120	21.8	8.0	8.0	29.0	29.0	90.3	90.3	6.7	6.7	6.4	6.4	5	5	-	-	-	-	-	-	-	-	-						
SR4A	Cloudy	Moderate	14:03	9.0	Surface	1.0	0.0	115	22.0	22.0	8.0	8.0	29.2	29.2	103.1	103.2	7.6	7.6	4.3	5.6	5	5	-	-	817210	807792	-	-	-	-						
						1.0	0.0	118	22.0	8.0	8.0	29.2	29.2	103.3	103.3	7.6	7.6	4.3	4.3	5	5	-	-	-	-	-	-	-	-							
						4.5	0.0	90	21.9	8.0	8.0	29.3	29.3	92.9	93.0	6.9	6.9	5.8	5.8	5	5	-	-	-	-	-	-	-	-							
						4.5	0.0	95	21.9	8.0	8.0	29.3	29.3	93.0	93.0	6.9	6.9	5.8	5.8	6	6	-	-	-	-	-	-	-	-							
						8.0	0.0	88	21.9	8.0	8.0	29.3	29.3	94.2	94.3	7.0	7.0	6.8	6.8	6	6	-	-	-	-	-	-	-	-							
						8.0	0.0	82	21.9	8.0	8.0	29.3	29.3	94.4	94.3	7.0	7.0	6.8	6.8	5	5	-	-	-	-	-	-	-	-							
SR8	Cloudy	Rough	13:14	4.4	Surface	1.0	-	-	22.0	22.0	8.0	8.0	29.6	29.6	94.0	94.3	6.9	7.0	8.0	8.1	5	7	-	-	820378	811631	-	-	-	-						
						1.0	-	-	22.0	8.0	8.0	29.6	29.6	94.5	94.3	7.0	7.0	8.1	8.1	6	6	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						3.4	-	-	22.0	8.0	8.0	29.6	29.6	96.2	96.4	7.1	7.1	8.3	8.3	8	8	-	-	-	-	-	-	-	-							
						3.4	-	-	22.0	8.0	8.0	29.6	29.6	96.6	96.4	7.1	7.1	8.3	8.3	7	7	-	-	-	-	-	-	-	-							

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 19 April 22 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		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	Rainy	Rough	08:35	8.6	Surface	1.0	0.4	33	21.0	21.0	8.1	8.1	29.1	29.1	98.4			98.5	7.4	7.4	11.4	8	8	48
1.0	0.4	34	21.0			29.2	29.1	98.5							98.5	7.4	7.4	11.5	7	7	47	7	47	47	50	50	815640	804235	<0.2	0.9	<0.2	1.0	
4.3	0.4	29	21.0	20.8	8.1	8.1	30.0	30.0							99.1	99.2	7.4	7.4	13.0	8	8	50	7	51	51	50	815640	804235	<0.2	0.9	<0.2	0.9	
Middle	4.3	0.5	32	20.5			30.1	30.1						99.3		7.5		13.0	7	7	51	5	52	52	51	51	50	815640	804235	<0.2	0.9	<0.2	0.9
	7.6	0.4	53	20.5	20.7	8.1	8.1	30.5						30.5	95.2	95.3	7.2	7.2	13.4	5	5	51	6	51	51	51	50	815640	804235	<0.2	0.9	<0.2	0.9
	7.6	0.4	55	20.9			30.5	30.5						95.3	95.3	7.1	7.1	13.3	6	6	51			51			51	50	815640	804235	<0.2	0.9	<0.2
C2	Rainy	Moderate	09:44	11.4	Surface	1.0	0.5	353	21.9	21.9	8.0	8.0	28.5	28.6	96.2	96.3	7.2	7.2	6.4	8	8	44	44	72	825682	806935	<0.2	0.9	<0.2	0.9			
						1.0	0.4	347	21.9			28.6	28.6	96.4	96.3	7.2	7.3	7.1	8	8	44	8	44	44	72	825682	806935	<0.2	0.9	<0.2	0.9		
						5.7	0.5	337	21.7	21.7	8.0	8.0	29.4	29.4	98.7	98.9	7.4	7.4	11.2	8	8	85	8	85	85	72	825682	806935	<0.2	0.9	<0.2	0.9	
					Middle	5.7	0.4	335	21.7			29.4	29.4	99.0		7.4		11.5	8	8	85	9	86	86	86	72	825682	806935	<0.2	0.9	<0.2	0.8	
						10.4	0.4	14	21.7	21.7	8.0	8.0	29.4	29.4	99.9	100.1	7.4	7.5	11.5	9	9	86	9	86	86	72	825682	806935	<0.2	0.9	<0.2	0.8	
						10.4	0.4	10	21.7			29.4	29.4	100.2		7.5		11.5	9	9	86			86			72	825682	806935	<0.2	0.9	<0.2	0.8
C3	Rainy	Moderate	08:05	12.8	Surface	1.0	0.5	262	21.9	21.9	7.9	7.9	30.2	30.2	91.7	91.7	6.7	6.7	3.4	5	5	46	47	49	822098	817812	<0.2	0.9	<0.2	0.8			
						1.0	0.6	263	21.9			30.2	30.2	91.7	91.7	6.7	6.7	3.4	5	5	47	6	49	49	49	822098	817812	<0.2	0.8	<0.2	1.0		
						6.4	0.5	277	22.0	22.0	7.9	7.9	31.4	31.4	90.4	90.4	6.6	6.6	10.0	6	6	49	6	48	48	49	822098	817812	<0.2	0.9	<0.2	0.9	
					Middle	6.4	0.5	271	22.0			31.4	31.4	90.4	90.4	6.6	6.6	9.9	5	5	48	6	51	51	51	49	822098	817812	<0.2	0.9	<0.2	0.9	
						11.8	0.5	265	21.9	21.9	7.8	7.8	31.6	31.6	89.8	89.8	6.5	6.5	11.3	6	6	51	6	51	51	49	822098	817812	<0.2	0.9	<0.2	0.9	
						11.8	0.5	270	21.9			31.6	31.6	89.8	89.8	6.5	6.5	11.2	5	5	51			51			49	822098	817812	<0.2	0.9	<0.2	0.9
IM1	Rainy	Moderate	08:52	6.3	Surface	1.0	0.3	4	21.1	21.1	8.1	8.1	28.9	28.9	101.6	101.7	7.7	7.7	9.9	6	6	47	47	49	818342	806467	<0.2	0.9	<0.2	0.9			
						1.0	0.3	0	21.1			29.0	29.0	101.7	101.7	7.7	7.5	10.0	5	5	46	6	49	49	49	818342	806467	<0.2	0.9	<0.2	0.8		
						3.2	0.3	1	21.1	21.2	8.1	8.1	29.1	29.1	95.2	95.3	7.2	7.2	10.3	6	6	49	6	48	48	49	818342	806467	<0.2	0.9	<0.2	0.9	
					Middle	3.2	0.2	353	21.2			29.1	29.1	95.3	95.3	7.2	7.3	10.4	6	6	48	8	51	51	51	49	818342	806467	<0.2	0.9	<0.2	0.9	
						5.3	0.3	38	21.3	21.3	8.1	8.1	29.0	29.0	95.9	97.0	7.2	7.3	11.6	8	8	51	7	52	52	51	49	818342	806467	<0.2	0.9	<0.2	0.9
						5.3	0.3	37	21.3			29.0	29.0	98.0		7.4		11.7	9	9	52			52			49	818342	806467	<0.2	0.9	<0.2	0.9
IM2	Rainy	Moderate	08:56	7.2	Surface	1.0	0.4	29	21.2	21.2	8.1	8.1	29.0	29.0	104.8	104.9	7.9	7.9	11.3	6	6	47	47	49	819198	806227	<0.2	0.9	<0.2	1.0			
						1.0	0.4	28	21.2			29.0	29.0	104.9	104.9	7.9	7.5	11.4	6	6	46	6	48	48	48	49	819198	806227	<0.2	0.9	<0.2	1.0	
						3.6	0.4	14	21.1	21.1	8.1	8.1	29.2	29.2	94.4	94.5	7.1	7.1	12.4	7	7	48	7	48	48	49	819198	806227	<0.2	0.9	<0.2	0.9	
					Middle	3.6	0.3	18	21.1			29.2	29.2	94.5	94.5	7.1	7.1	12.5	7	7	48	7	51	51	51	49	819198	806227	<0.2	0.9	<0.2	0.9	
						6.2	0.3	8	21.2	21.2	8.1	8.1	29.2	29.2	94.8	94.9	7.1	7.1	13.7	7	7	51	7	51	51	49	819198	806227	<0.2	0.9	<0.2	0.8	
						6.2	0.2	6	21.2			29.2	29.2	95.0	94.9	7.1	7.1	13.6	8	8	52			52			49	819198	806227	<0.2	0.9	<0.2	0.9
IM7	Rainy	Moderate	09:17	10.4	Surface	1.0	0.2	357	22.1	22.1	8.0	8.0	28.2	28.2	92.7	92.7	6.9	6.9	5.8	7	7	48	48	50	821341	806815	<0.2	0.9	<0.2	1.0			
						1.0	0.2	351	22.1			28.2	28.2	92.6	92.6	6.9	6.9	6.2	8	8	47	7	47	47	50	821341	806815	<0.2	0.9	<0.2	1.0		
						5.2	0.3	14	22.1	22.1	8.0	8.0	28.5	28.5	93.4	93.6	6.9	6.9	11.4	7	7	49	7	49	49	50	821341	806815	<0.2	0.9	<0.2	0.9	
					Middle	5.2	0.3	14	22.1			28.5	28.5	93.7	93.6	7.0	7.0	11.9	7	7	50	7	50	50	50	50	821341	806815	<0.2	0.9	<0.2	0.9	
						9.4	0.2	353	22.1	22.1	8.0	8.0	28.4	28.4	96.5	96.8	7.2	7.2	13.1	7	7	52	7	52	52	50	821341	806815	<0.2	0.9	<0.2	0.9	
						9.4	0.2	354	22.1			28.4	28.4	97.1	96.8	7.2	7.2	13.2	7	7	51			51			50	821341	806815	<0.2	0.9	<0.2	1.0

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 21 April 22 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		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					
C1	Cloudy	Moderate	15:29	8.6	Surface	1.0	0.4	211	23.2	23.2	8.0	8.0	30.1	30.1	99.6	99.6	7.2	7.0	1.4	2.6	4	4	47	50	815635	804241	<0.2	1.4	<0.2	1.1		
						1.0	0.4	211	23.2	8.0	8.0	30.2	30.1	99.5	99.6	7.2	7.0	1.5	2.6	4	4	48	50	815635	804241	<0.2	1.3	<0.2	1.1			
						4.3	0.4	193	23.1	23.1	8.0	8.0	31.0	31.0	95.3	95.3	6.8	6.9	3.1	2.6	4	4	50	50	815635	804241	<0.2	1.1	<0.2	1.0		
						4.3	0.4	200	23.1	23.1	8.0	8.0	31.0	31.0	95.3	95.3	6.8	6.9	3.1	2.6	4	4	50	50	815635	804241	<0.2	1.0	<0.2	1.0		
					Bottom	7.6	0.4	199	23.2	23.2	8.0	8.0	31.4	31.4	95.8	95.9	6.9	6.9	3.4	6.9	3	6.9	3	6.9	52	53	815635	804241	<0.2	1.0	<0.2	1.0
						7.6	0.5	198	23.2	23.2	8.0	8.0	31.4	31.4	95.9	95.9	6.9	6.9	3.4	6.9	4	6.9	4	6.9	53	53	815635	804241	<0.2	1.0	<0.2	1.0
						1.0	0.5	156	23.4	23.4	8.0	8.0	29.3	29.3	95.8	95.9	6.9	6.8	5.4	6.5	4	4	48	50	825669	806943	<0.2	1.2	<0.2	1.2		
						1.0	0.5	160	23.4	23.4	8.0	8.0	29.3	29.3	95.9	95.9	6.9	6.8	5.4	6.5	5	4	48	50	825669	806943	<0.2	1.0	<0.2	1.0		
C2	Cloudy	Moderate	14:40	11.2	Surface	5.6	0.5	184	23.3	23.3	8.0	8.0	30.0	30.1	92.3	92.3	6.6	6.8	3	4	49	50	825669	806943	<0.2	1.2	<0.2	1.3	1.2			
						5.6	0.4	184	23.3	23.3	8.0	8.0	30.1	30.1	92.3	92.3	6.6	6.7	4	4	50	50	825669	806943	<0.2	1.3	<0.2	1.3				
					Bottom	10.2	0.5	174	23.3	23.3	8.0	8.0	30.1	30.1	92.6	92.7	6.7	6.7	7.3	6.7	3	6.7	3	6.7	52	53	825669	806943	<0.2	1.3	<0.2	1.1
						10.2	0.5	172	23.3	23.3	8.0	8.0	30.1	30.1	92.7	92.7	6.7	6.7	7.3	6.7	4	6.7	4	6.7	53	53	825669	806943	<0.2	1.1	<0.2	1.1
						1.0	0.6	77	22.3	22.3	8.0	8.0	31.1	31.1	89.5	89.5	6.5	6.5	6.3	6.5	5	6	47	50	822112	817786	<0.2	1.4	<0.2	1.2		
						1.0	0.6	73	22.3	22.3	8.0	8.0	31.1	31.1	89.5	89.5	6.5	6.5	6.6	6.6	6	6	48	51	822112	817786	<0.2	1.2	<0.2	1.1		
C3	Fine	Moderate	15:46	11.2	Middle	5.6	0.6	94	22.0	22.0	8.0	8.0	31.8	31.8	88.2	88.3	6.4	6.4	5	6	50	51	822112	817786	<0.2	1.3	<0.2	1.1				
						5.6	0.6	100	22.0	22.0	8.0	8.0	31.8	31.8	88.3	88.3	6.4	6.4	8.9	6.6	6	6	51	52	822112	817786	<0.2	1.1	<0.2	1.2		
					Bottom	10.2	0.6	65	22.0	22.0	8.0	8.0	31.9	31.9	89.6	89.9	6.5	6.6	10.4	6.6	6	6.6	6	6.6	52	52	822112	817786	<0.2	1.2	<0.2	1.1
						10.2	0.6	70	22.0	22.0	8.0	8.0	31.9	31.9	90.1	89.9	6.6	6.6	10.9	6.6	7	6.6	7	6.6	52	52	822112	817786	<0.2	1.1	<0.2	1.1
IM1	Cloudy	Moderate	15:19	6.7	Surface	1.0	0.3	186	23.2	23.2	7.9	7.9	30.6	30.6	101.0	101.1	7.3	7.1	3.3	5.1	5	5	49	50	818333	806467	<0.2	0.8	<0.2	0.9		
						1.0	0.2	187	23.2	23.2	7.9	7.9	30.7	30.6	101.2	101.1	7.3	7.1	3.4	5.1	4	5	47	50	818333	806467	<0.2	0.9	<0.2	0.9		
					Middle	3.4	0.2	174	23.0	23.0	7.9	7.9	30.9	30.9	94.5	94.6	6.8	6.8	5.7	6.9	4	5	50	49	818333	806467	<0.2	0.8	<0.2	0.8		
						3.4	0.3	173	23.0	23.0	7.9	7.9	30.9	30.9	94.6	94.6	6.8	6.8	5.6	6.9	5	5	49	52	818333	806467	<0.2	0.8	<0.2	0.8		
					Bottom	5.7	0.2	188	23.0	23.0	7.9	7.9	31.0	30.9	95.7	95.8	6.9	6.9	6.3	6.9	6	6.9	6	6.9	52	52	818333	806467	<0.2	0.8	<0.2	0.9
						5.7	0.3	192	23.0	23.0	7.9	7.9	30.9	30.9	95.8	95.8	6.9	6.9	6.3	6.9	7	6.9	7	6.9	52	52	818333	806467	<0.2	0.9	<0.2	0.9
IM2	Cloudy	Moderate	15:14	7.2	Surface	1.0	0.3	203	23.2	23.2	8.0	8.0	30.6	30.6	97.8	97.9	7.0	6.9	4.4	6.0	5	5	48	50	819179	806236	<0.2	1.1	<0.2	1.1		
						1.0	0.3	195	23.2	23.2	8.0	8.0	30.7	30.6	98.0	97.9	7.0	6.9	4.4	6.0	5	5	47	50	819179	806236	<0.2	1.1	<0.2	1.1		
					Middle	3.6	0.3	191	23.1	23.1	8.0	8.0	30.9	30.9	94.0	94.0	6.8	6.8	6.2	6.8	5	5	50	50	819179	806236	<0.2	1.2	<0.2	1.2		
						3.6	0.2	188	23.1	23.1	8.0	8.0	30.9	30.9	94.0	94.0	6.8	6.8	6.3	6.8	5	5	50	50	819179	806236	<0.2	1.2	<0.2	1.1		
					Bottom	6.2	0.3	194	23.0	23.0	8.0	8.0	31.2	31.3	94.7	94.8	6.8	6.8	7.3	6.8	5	6.8	5	6.8	52	52	819179	806236	<0.2	1.1	<0.2	1.1
						6.2	0.4	198	23.0	23.0	8.0	8.0	31.3	31.3	94.8	94.8	6.8	6.8	7.4	6.8	6	6.8	6	6.8	52	52	819179	806236	<0.2	1.1	<0.2	1.1
IM7	Cloudy	Moderate	14:57	8.1	Surface	1.0	0.2	153	23.5	23.5	7.9	7.9	28.1	28.1	102.2	102.3	7.4	7.1	3.3	4.6	4	5	46	49	821360	806850	<0.2	1.0	<0.2	0.9		
						1.0	0.2	147	23.4	23.4	7.9	7.9	28.1	28.1	102.3	102.3	7.4	7.1	3.3	4.6	4	5	47	49	821360	806850	<0.2	0.9	<0.2	0.9		
					Middle	4.1	0.3	139	23.2	23.2	7.9	7.9	30.4	30.4	94.1	94.1	6.8	6.8	4.4	6.8	4	5	49	48	821360	806850	<0.2	1.0	<0.2	1.0		
						4.1	0.2	133	23.2	23.2	7.9	7.9	30.4	30.4	94.1	94.1	6.8	6.8	4.4	6.8	5	5	48	50	821360	806850	<0.2	1.0	<0.2	1.0		
					Bottom	7.1	0.2	164	23.2	23.2	7.9	7.9	30.4	30.4	94.6	94.7	6.8	6.8	6.0	6.8	7	6.8	7	6.8	50	51	821360	806850	<0.2	1.0	<0.2	1.1
						7.1	0.2	161	23.2	23.2	7.9	7.9	30.4	30.4	94.8	94.7	6.8	6.8	6.0	6.8	6	6.8	6	6.8	51	51	821360	806850	<0.2	1.1	<0.2	1.1

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 21 April 22 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		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							
IM10	Fine	Moderate	14:36	8.9	Surface	1.0	0.4	114	22.4	22.4	8.0	8.0	29.6	29.7	91.5	91.5	6.7	6.7	5.5	5.7	4	3	48	49	51	51	822226	809856	<0.2	<0.2	1.1	1.1							
						1.0	0.5	113	22.3	22.1	8.0	8.0	29.7	29.7	91.4	91.5	6.7	6.7	5.7	5.7	3	3	49	49	51	51													
						4.5	0.4	87	22.1	22.1	8.0	8.0	30.1	30.1	90.7	90.8	6.6	6.6	7.4	7.4	9	8	51	51	51	51													
					Middle	4.5	0.5	89	22.1	22.1	8.0	8.0	30.1	30.1	90.8	90.8	6.6	6.6	7.4	7.4	8	8	51	51	51	51			<0.2	<0.2	1.5	1.5							
						7.9	0.4	123	22.2	22.2	8.0	8.0	30.2	30.2	92.0	92.1	6.7	6.7	13.5	13.5	11	11	54	54	54	54			<0.2	<0.2	1.3	1.3							
						7.9	0.4	123	22.2	22.2	8.0	8.0	30.2	30.2	92.1	92.1	6.7	6.7	13.6	13.6	10	10	53	53	53	53			<0.2	<0.2	1.2	1.2							
					IM11	Fine	Moderate	14:43	8.8	Surface	1.0	0.5	85	22.6	22.6	8.0	8.0	29.3	29.3	96.0	96.0	7.0	7.0	4.5	4.5	11			11	50	49	51	51	821488	810562	<0.2	<0.2	2.0	2.0
											1.0	0.5	88	22.6	22.6	8.0	8.0	29.3	29.3	96.0	96.0	7.0	7.0	4.6	4.6	10			10	49	49	51	51						
											4.4	0.5	82	22.3	22.3	8.0	8.0	29.8	29.8	94.5	94.5	6.9	6.9	7.5	7.5	10			11	51	52	52	52			<0.2	<0.2	2.1	2.1
Middle	4.4	0.6	79	22.3						22.3	8.0	8.0	29.8	29.8	94.4	94.5	6.9	6.9	7.6	7.6	11	11	52	52	53	53	<0.2	<0.2	2.1	2.1									
	7.8	0.5	99	22.3						22.3	8.0	8.0	30.0	30.0	94.4	94.5	6.9	6.9	11.9	11.9	11	11	53	53	53	53	<0.2	<0.2	2.1	2.1									
	7.8	0.5	94	22.3						22.3	8.0	8.0	30.0	30.0	94.5	94.5	6.9	6.9	12.1	12.1	11	11	53	53	53	53	<0.2	<0.2	2.0	2.0									
IM12	Fine	Moderate	14:50	8.8						Surface	1.0	0.4	95	22.5	22.5	8.0	8.0	29.7	29.7	95.7	95.7	7.0	7.0	7.3	7.5	8	6	49	50	51	51	821176	811500			<0.2	<0.2	1.2	1.1
											1.0	0.4	88	22.5	22.5	8.0	8.0	29.7	29.7	95.7	95.7	7.0	7.0	7.5	7.5	6	6	50	50	51	51								
											4.4	0.5	79	22.3	22.3	8.0	8.0	30.0	30.0	94.9	94.9	6.9	6.9	10.3	10.3	6	6	51	52	52	52					<0.2	<0.2	1.2	1.2
					Middle	4.4	0.5	82	22.3	22.3	8.0	8.0	30.0	30.0	94.9	94.9	6.9	6.9	10.0	10.0	6	6	52	52	53	53	<0.2	<0.2	1.2	1.1									
						7.8	0.5	98	22.3	22.3	8.0	8.0	30.1	30.1	95.0	95.1	6.9	6.9	14.6	14.6	6	6	53	53	53	53	<0.2	<0.2	1.1	1.1									
						7.8	0.5	94	22.3	22.3	8.0	8.0	30.1	30.1	95.1	95.1	7.0	7.0	14.1	14.1	5	5	53	53	53	53	<0.2	<0.2	1.1	1.1									
					SR1A	Fine	Moderate	15:16	5.7	Surface	1.0	0.0	59	22.6	22.6	8.0	8.0	29.7	29.7	92.8	92.9	6.8	6.8	8.3	8.2	6	5	-	-	-	-			819979	812662	-	-	-	-
											1.0	0.0	55	22.6	22.6	8.0	8.0	29.7	29.7	93.0	92.9	6.8	6.8	8.2	8.2	5	5	-	-	-	-								
											2.9	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	2.9	0.0	76	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.8	-	5	-	-	-	-	-	-						
	4.7	0.0	42	22.5						22.5	8.0	8.0	29.8	29.8	94.3	94.5	6.9	6.9	7.3	7.3	5	4	-	-	-	-	-	-											
	4.7	0.0	44	22.5						22.5	8.0	8.0	29.7	29.8	94.6	94.5	6.9	6.9	7.5	7.5	4	4	-	-	-	-	-	-											
SR2	Fine	Moderate	15:28	4.8						Surface	1.0	0.4	43	22.9	22.9	8.0	8.0	29.3	29.3	94.9	94.8	6.9	6.9	6.4	6.6	6	7	49	48	49	49	821445	814161			<0.2	<0.2	1.8	1.9
											1.0	0.5	39	22.9	22.9	8.0	8.0	29.3	29.3	94.7	94.8	6.9	6.9	6.6	6.6	7	7	48	48	49	49								
											-	0.4	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	-	0.5	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	7	-	49	-	-			-	-				
						3.8	0.4	59	22.5	22.5	8.0	8.0	29.7	29.7	93.5	93.6	6.8	6.8	8.0	8.0	7	7	50	50	50	50	<0.2	<0.2	1.9	1.9									
						3.8	0.4	66	22.5	22.5	8.0	8.0	29.8	29.8	93.6	93.6	6.8	6.8	7.9	7.9	6	6	50	50	50	50	<0.2	<0.2	1.8	1.8									
					SR3	Cloudy	Moderate	14:51	8.7	Surface	1.0	0.3	140	23.3	23.3	7.9	7.9	29.0	29.1	99.0	99.1	7.2	7.2	3.6	3.6	5	6	-	-	-	-			822131	807553	-	-	-	-
											1.0	0.3	137	23.3	23.3	7.9	7.9	29.2	29.2	99.1	99.1	7.2	7.2	3.6	3.6	6	6	-	-	-	-								
											4.4	0.3	163	23.2	23.2	7.9	7.9	29.7	29.7	90.2	90.3	6.5	6.5	4.3	4.3	5	5	-	-	-	-								
Middle	4.4	0.3	161	23.2						23.2	7.9	7.9	29.7	29.7	90.3	90.3	6.5	6.5	4.3	4.3	5	5	-	-	-	-	-	-											
	7.7	0.3	129	23.2						23.2	7.9	7.9	29.9	29.9	91.3	91.4	6.6	6.6	5.4	5.4	5	4	-	-	-	-													
	7.7	0.2	133	23.2						23.2	7.9	7.9	29.9	29.9	91.4	91.4	6.6	6.6	5.4	5.4	4	4	-	-	-	-													
SR4A	Cloudy	Moderate	15:45	8.9						Surface	1.0	0.1	86	23.4	23.4	7.9	7.9	30.9	31.0	104.2	104.3	7.4	7.5	3.3	3.3	4	5	-	-	-	-	817192	807831			-	-	-	-
											1.0	0.1	93	23.4	23.4	7.9	7.9	31.0	31.0	104.4	104.3	7.5	7.5	3.3	3.3	5	4	-	-	-	-								
											4.5	-	76	23.3	23.3	7.9	7.9	31.1	31.1	94.0	94.1	6.7	6.7	4.8	4.8	4	4	-	-	-	-								
					Middle	4.5	-	78	23.3	23.3	7.9	7.9	31.1	31.1	94.1	94.1	6.7	6.7	4.8	4.8	4	4	-	-	-	-													
						7.9	0.1	70	23.3	23.3	7.9	7.9	31.1	31.0	95.3	95.4	6.8	6.8	5.8	5.8	4	4	-	-	-	-													
						7.9	0.0	72	23.3	23.3	7.9	7.9	31.0	31.0	95.5	95.5	6.8	6.8	5.8	5.8	4	4	-	-	-	-													
					SR8	Fine	Moderate	14:54	5.4	Surface	1.0	-	-	22.8	22.8	8.0	8.0	29.8	29.8	90.6	90.6	6.6	6.6	7.3	7.5	6	5	-	-	-	-			820373	811624	-	-	-	-
											1.0	-	-	22.8	22.8	8.0	8.0	29.8	29.8	90.5	90.6	6.6	6.6	7.5	7.5	5	5	-	-	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.4	-	6	-	-	-	-	-							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	4.4	-	-	22.6						22.6	8.0	8.0	29.9	29.9	87.9	87.9	6.4	6.4	11.4	11.4	7	6	-	-	-	-													
Bottom	4.4	-	-	22.6						22.6	8.0	8.0	29.9	29.9	87.9	87.9	6.4	6.4	11.3	11.3	6	6	-	-	-	-													

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 21 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	09:13	8.5	Surface	1.0	0.3	43	22.1	22.1	8.0	8.0	30.0	30.0	92.7	92.8	6.8	6.8	8.9	8.9	4	4	46	46	815619	804232	<0.2	<0.2	0.8	0.8
						1.0	0.2	36	22.1	21.9	8.0	8.0	30.1	30.0	92.8	93.5	6.8	6.8	8.9	10.0	3	4	47	47			<0.2	<0.2	0.8	0.8
					Middle	4.3	0.4	51	22.1	21.9	8.1	8.1	30.9	30.9	93.4	93.5	6.8	6.8	10.4	10.4	4	4	49	49			<0.2	<0.2	0.9	0.9
						4.3	0.4	49	21.6	21.8	8.1	8.1	31.0	31.4	93.6	89.6	6.9	6.6	10.4	10.8	4	4	50	51			<0.2	<0.2	0.9	0.8
					Bottom	7.5	0.3	23	21.6	21.8	8.1	8.1	31.4	31.4	89.5	89.6	6.6	6.6	10.8	10.8	5	4	51	52			<0.2	<0.2	0.8	0.8
						7.5	0.3	21	22.0				31.4	31.4	89.6	89.6	6.6	6.6	10.8	10.8	4	4	52	52			<0.2	<0.2	0.8	0.8
C2	Cloudy	Moderate	10:55	11.5	Surface	1.0	0.5	2	23.2	23.2	8.0	8.0	29.1	29.1	81.3	81.3	5.9	5.9	3.2	3.2	5	5	46	46	825686	806928	<0.2	<0.2	0.9	0.9
						1.0	0.5	355	23.2	23.2	8.0	8.0	29.1	29.1	81.2	82.2	5.9	5.9	3.7	7.7	6	5	47	48			<0.2	<0.2	1.0	1.0
					Middle	5.8	0.5	9	23.2	23.2	8.0	8.0	29.3	29.3	82.0	82.2	6.0	6.0	8.8	9.3	5	5	48	49			<0.2	<0.2	0.9	0.9
						5.8	0.5	14	23.2	23.2	8.0	8.0	29.3	29.3	82.3	85.4	6.2	6.2	10.5	10.5	4	4	49	51			<0.2	<0.2	0.9	0.9
					Bottom	10.5	0.4	0	23.2	23.2	8.0	8.0	29.3	29.3	85.1	85.4	6.2	6.2	10.5	10.7	4	5	51	51			<0.2	<0.2	0.9	0.9
						10.5	0.4	355	23.2				29.3	29.3	85.7	85.4	6.2	6.2	10.7	10.7	5	5	51	51			<0.2	<0.2	0.9	0.9
C3	Cloudy	Moderate	09:08	11.8	Surface	1.0	0.4	253	22.1	22.1	8.0	8.0	30.1	30.1	90.5	90.5	6.6	6.6	3.2	3.2	4	4	47	47	822090	817786	<0.2	<0.2	1.5	1.5
						1.0	0.3	248	22.1	22.0	8.0	8.0	30.1	31.4	90.5	86.8	6.6	6.3	3.2	6.6	5	5	48	50			<0.2	<0.2	3.1	3.1
					Middle	5.9	0.4	238	22.0	22.0	8.0	8.0	31.4	31.4	86.8	86.8	6.3	6.3	3.8	4.0	4	4	50	51			<0.2	<0.2	3.1	3.1
						5.9	0.3	234	22.0	22.0	8.0	8.0	31.4	31.9	86.7	86.0	6.3	6.3	4.0	13.1	4	4	51	52			<0.2	<0.2	3.2	3.2
					Bottom	10.8	0.4	233	22.0	22.0	8.0	8.0	31.9	31.9	86.0	86.0	6.3	6.3	13.1	12.4	4	5	52	52			<0.2	<0.2	3.2	3.2
						10.8	0.4	236	22.0				31.9	31.9	85.9	86.0	6.2	6.2	12.4	12.4	5	5	52	52			<0.2	<0.2	3.2	3.2
IM1	Cloudy	Moderate	09:30	6.4	Surface	1.0	0.2	12	22.2	22.2	8.0	8.0	29.8	29.8	90.2	90.3	6.6	6.6	7.3	7.3	4	4	48	48	818329	806467	<0.2	<0.2	0.9	0.9
						1.0	0.2	9	22.2	22.2	8.0	8.0	29.8	30.0	90.3	83.8	6.2	6.2	7.4	7.8	5	5	48	50			<0.2	<0.2	0.9	0.9
					Middle	3.2	0.3	7	22.2	22.3	8.0	8.0	30.0	30.0	83.8	83.9	6.2	6.2	7.8	8.1	4	4	50	50			<0.2	<0.2	1.0	1.0
						3.2	0.2	9	22.3	22.3	8.0	8.0	30.0	30.0	83.9	85.6	6.2	6.3	7.8	9.1	4	5	50	52			<0.2	<0.2	0.9	0.9
					Bottom	5.4	0.2	0	22.4	22.4	8.0	8.0	29.9	29.9	84.5	85.6	6.2	6.3	9.1	12.4	5	5	52	52			<0.2	<0.2	0.9	0.9
						5.4	0.2	0	22.4				29.9	29.9	86.6	85.6	6.3	6.3	9.1	12.4	5	5	52	52			<0.2	<0.2	0.9	0.9
IM2	Cloudy	Moderate	09:34	6.8	Surface	1.0	0.2	34	22.3	22.3	8.0	8.0	29.8	29.9	93.4	93.5	6.9	6.9	8.8	8.8	3	3	49	49	819196	806242	<0.2	<0.2	0.8	0.8
						1.0	0.3	33	22.3	22.2	8.1	8.1	30.1	30.1	93.5	83.1	6.9	6.1	8.8	9.9	4	5	48	50			<0.2	<0.2	0.8	0.8
					Middle	3.4	0.3	13	22.2	22.2	8.1	8.1	30.1	30.1	83.0	83.1	6.1	6.1	9.9	11.1	6	6	50	51			<0.2	<0.2	0.9	0.9
						3.4	0.2	14	22.2	22.3	8.1	8.1	30.1	30.1	83.1	83.5	6.1	6.1	9.9	11.1	5	6	51	52			<0.2	<0.2	0.9	0.9
					Bottom	5.8	0.3	36	22.3	22.3	8.1	8.1	30.1	30.1	83.4	83.5	6.1	6.1	11.1	11.1	6	7	52	53			<0.2	<0.2	0.9	0.9
						5.8	0.3	29	22.3				30.1	30.1	83.6	83.5	6.1	6.1	11.1	11.1	7	7	53	53			<0.2	<0.2	0.9	0.9
IM7	Cloudy	Moderate	10:22	7.8	Surface	1.0	0.3	10	23.0	23.0	8.0	8.0	29.4	29.4	90.5	90.6	6.6	6.6	3.8	3.8	6	6	47	47	821348	806858	<0.2	<0.2	0.8	0.8
						1.0	0.2	16	23.0	22.8	8.0	8.0	29.5	30.3	90.7	93.2	6.6	6.8	3.6	8.9	5	6	49	50			<0.2	<0.2	1.1	1.1
					Middle	3.9	0.3	28	22.8	22.8	8.0	8.0	30.3	30.3	93.0	93.2	6.8	6.8	8.7	8.9	6	7	50	50			<0.2	<0.2	1.2	1.2
						3.9	0.2	31	22.8	22.8	8.0	8.0	30.3	30.3	93.3	94.4	6.8	6.8	8.9	8.9	7	7	50	51			<0.2	<0.2	1.1	1.1
					Bottom	6.8	0.3	357	22.8	22.8	8.0	8.0	30.3	30.3	94.2	94.4	6.8	6.9	8.9	8.9	7	7	52	52			<0.2	<0.2	1.1	1.1
						6.8	0.3	358	22.8				30.3	30.3	94.5	94.4	6.9	6.9	8.9	8.9	6	6	51	51			<0.2	<0.2	1.1	1.1

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 21 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Speed (m/s)	Direction	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value
IM10	Cloudy	Moderate	10:16	8.0	Surface	1.0	0.4	289	22.3	22.3	8.0	8.0	<u>29.4</u>	29.4	<u>90.8</u>	90.8	6.7		6.6		4		48		50		822260	809855	<0.2		1.9			
						1.0	0.4	286	22.3	8.0	8.0	<u>29.4</u>		<u>90.7</u>		6.7		6.9		3		49		49		50				<0.2		2.1		
					Middle	4.0	0.4	274	22.2	22.2	8.0	8.0	29.8	29.8	90.2	90.3	6.6		6.7		11.3		3		50				<0.2		1.9			
						4.0	0.4	277	22.2		8.0	8.0	29.8		90.3		6.6		6.6		11.4		4		51				<0.2		1.9			
					Bottom	7.0	0.4	297	22.2	22.2	8.0	8.0	29.8	29.8	90.9		6.7	6.7	6.7		11.9		4	4	52	50			<0.2		1.9			
						7.0	0.4	293	22.2		8.0	8.0	29.8		91.0		6.7	6.7	6.7		12.0		4		52				<0.2		1.9			
IM11	Cloudy	Moderate	10:10	8.5	Surface	1.0	0.4	266	22.2	22.2	8.0	8.0	29.4	29.4	90.5	90.5	6.6		6.9		6		48		50		821491	810543	<0.2		1.0			
						1.0	0.4	267	22.2	22.2	8.0	8.0	29.4		90.4		6.6		6.6		7.2		7		48				<0.2		1.1			
					Middle	4.3	0.5	284	22.1	22.1	8.0	8.0	29.9	29.9	89.6	89.7	6.6		6.6		12.0		4	6	50				<0.2		1.2			
						4.3	0.5	286	22.1		8.0	8.0	29.9		89.7		6.6		6.6		12.2		10		51				<0.2		1.2			
					Bottom	7.5	0.5	273	22.1	22.1	8.0	8.0	29.9	29.9	90.4	90.4	6.6	6.6	6.6		14.6		3		52				<0.2		1.2			
						7.5	0.5	272	22.1		8.0	8.0	29.9		90.4		6.6	6.6	6.6		13.8		4		52				<0.2		1.1			
IM12	Cloudy	Moderate	10:04	8.9	Surface	1.0	0.5	268	22.1	22.1	8.0	8.0	30.1	30.1	89.1	89.1	6.5		7.8		13		47		50		821173	811495	<0.2		2.4			
						1.0	0.5	261	22.1	22.1	8.0	8.0	30.1		89.1		6.5		6.5		7.8		14		48				<0.2		2.5			
					Middle	4.5	0.5	285	22.1	22.1	8.0	8.0	30.1	30.1	89.1	89.1	6.5		6.5		15.1		11	12	50				<0.2		1.9			
						4.5	0.5	283	22.1		8.0	8.0	30.1		89.1		6.5		6.5		15.2		12		50				<0.2		1.8			
					Bottom	7.9	0.5	298	22.1	22.1	8.0	8.0	30.1	30.1	89.4	89.5	6.6	6.6	6.6		15.6		11		53				<0.2		1.8			
						7.9	0.5	304	22.1		8.0	8.0	30.1		89.6		6.6	6.6	6.6		14.8		11		52				<0.2		1.7			
SR1A	Cloudy	Moderate	09:39	5.6	Surface	1.0	0.0	222	22.2	22.2	7.9	7.9	29.2	29.2	89.0	89.0	6.6		4.4		4	-	-		-		819974	812664	-	-	-	-		
						1.0	0.0	218	22.2	22.2	7.9	7.9	29.2		89.0		6.6		6.6		4.6		4		-				-		-	-	-	-
					Middle	2.8	-	191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-	-	-	-	-
						2.8	0.0	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-	-	-	-
					Bottom	4.6	0.0	225	22.2	22.2	8.0	8.0	29.5	29.5	89.1	89.3	6.5	6.6	6.6		5.4		4		-				-		-	-	-	-
						4.6	0.0	217	22.3	22.3	8.0	8.0	29.4		89.4		6.6	6.6	6.6		5.4		12		-				-		-	-	-	-
SR2	Cloudy	Moderate	09:25	5.6	Surface	1.0	0.1	225	22.2	22.2	8.0	8.0	30.1	30.1	89.8	89.8	6.6		8.9		4		49		51		821478	814168	<0.2		0.9			
						1.0	0.1	227	22.2	22.2	8.0	8.0	30.1		89.8		6.6		6.6		9.1		3		48				<0.2		1.0			
					Middle	-	0.1	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		<0.2		-		
						-	0.1	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-		-	
					Bottom	4.6	0.1	211	22.2	22.2	8.0	8.0	30.1	30.1	90.1	90.2	6.6	6.6	6.6		10.0		4		52				<0.2		1.0			
						4.6	0.2	211	22.2	22.2	8.0	8.0	30.1		90.2		6.6	6.6	6.6		9.9		6		53				<0.2		0.9			
SR3	Cloudy	Moderate	10:14	8.4	Surface	1.0	0.4	342	22.8	22.8	8.0	8.0	30.5	30.5	89.6	89.6	6.5		11.1		6		-		-		822137	807568	-	-	-	-		
						1.0	0.3	339	22.8	22.8	8.0	8.0	30.5		89.6		6.5		6.5		10.7		5		-				-		-	-	-	-
					Middle	4.2	0.4	352	22.9	22.9	8.0	8.0	30.5	30.5	89.5	89.5	6.5		6.5		11.4		5	6	-				-		-	-	-	-
						4.2	0.4	357	22.9		8.0	8.0	30.5		89.5		6.5		6.5		10.5		6		-				-		-	-	-	-
					Bottom	7.4	0.4	348	22.8	22.8	8.0	8.0	30.5	30.5	90.0	90.1	6.5	6.5	6.5		13.8		6		-				-		-	-	-	-
						7.4	0.3	349	22.8		8.0	8.0	30.5		90.1		6.5	6.5	6.5		13.8		6		-				-		-	-	-	-
SR4A	Cloudy	Moderate	08:51	8.4	Surface	1.0	0.0	141	22.2	22.2	8.0	8.0	29.5	29.5	92.6	92.6	6.8		7.8		2		-		-		817186	807813	-	-	-	-		
						1.0	0.0	137	22.2	22.2	8.0	8.0	29.5		92.6		6.8		6.8		7.8		3		-				-		-	-	-	-
					Middle	4.2	0.1	143	21.9	21.9	8.0	8.0	29.7	29.7	86.1	86.1	6.4		6.4		8.9		3	3	-				-		-	-	-	-
						4.2	0.1	149	21.9		8.0	8.0	29.7		86.1		6.4		6.4		8.8		3		-				-		-	-	-	-
					Bottom	7.4	0.0	130	21.8	21.8	8.0	8.0	29.6	29.6	86.5	86.6	6.4	6.4	6.4		9.9		3		-				-		-	-	-	-
						7.4	0.1	124	21.8	21.8	8.0	8.0	29.6		86.6		6.4	6.4	6.4		9.9		3		-				-		-	-	-	-
SR8	Cloudy	Moderate	09:59	4.8	Surface	1.0	-	-	22.3	22.3	8.0	8.0	29.2	29.2	89.4	89.3	6.6		7.1		11		-		-		820406	811632	-	-	-	-		
						1.0	-	-	22.3	22.3	8.0	8.0	29.2		89.1		6.5		6.5		7.7		11		-				-		-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-		-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-	-	-	-
					Bottom	3.8	-	-	22.2	22.2	8.0	8.0	29.3	29.3	88.0	87.9	6.5	6.5	6.5		10.1		11		-				-		-	-	-	-
						3.8	-	-	22.2	22.2	8.0	8.0	29.3		87.8		6.5	6.5	6.5		10.6		10		-				-		-	-	-	-

DA: Depth-Averaged  
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Expansion of Hong Kong International Airport into a Three-Runway System  
Water Quality Monitoring

Water Quality Monitoring Results on **23 April 22** 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
										Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	17:33	8.6	Surface	1.0	0.4	212	24.0	7.9	7.9	29.8	29.8	100.7	100.7	7.2	7.1	0.8	7.1	4	4	48	51	815600	804268	<0.2	1.9	1.7								
						1.0	0.4	208	24.0	7.9	7.9	29.9	29.8	100.6	100.7	7.2	7.1	0.7	7.1	4	4	49	49			<0.2	1.9									
						4.3	0.4	204	23.9	8.0	8.0	30.7	30.8	96.4	96.4	6.9	6.9	0.9	6.9	3	4	51	50			<0.2	1.5									
					4.3	0.4	204	23.9	8.0	8.0	30.8	30.8	96.4	96.4	6.9	6.9	0.9	6.9	4	3	50	52	<0.2			1.6										
					7.6	0.4	223	24.0	8.0	8.0	31.2	31.1	96.9	97.0	6.9	6.9	1.2	6.9	4	3	52	54	<0.2			1.6										
					7.6	0.4	228	24.0	8.0	8.0	31.1	31.1	97.0	97.0	6.9	6.9	1.2	6.9	3	3	54	54	<0.2			1.6										
					C2	Fine	Moderate	16:43	11.1	Surface	1.0	0.3	172	24.2	7.9	7.9	29.0	29.0	96.9	97.0	6.9	6.8	3.2			4.3	3		3	48	50	825703	806939	<0.2	1.6	1.8
											1.0	0.3	168	24.2	7.9	7.9	29.1	29.8	97.0	97.0	6.9	6.8	3.2			4.3	4		3	48	49			<0.2	1.6	
											5.6	0.3	175	24.1	8.0	8.0	29.8	29.8	93.4	93.4	6.6	6.6	4.6			4.6	3		3	49	50			<0.2	1.8	
5.6	0.3	169	24.1	8.0						8.0	29.8	29.8	93.4	93.4	6.6	6.6	4.6	4.6	3	3	50	52	<0.2	1.8												
10.1	0.3	181	24.1	8.0						8.0	29.8	29.8	93.7	93.8	6.7	6.7	5.1	6.7	3	3	52	54	<0.2	1.9												
10.1	0.3	185	24.1	8.0						8.0	29.8	29.8	93.8	93.8	6.7	6.7	5.1	6.7	2	3	54	54	<0.2	1.8												
C3	Sunny	Moderate	17:55	11.2						Surface	1.0	0.4	75	23.2	8.0	8.0	30.4	30.4	98.5	98.6	7.1	6.8	8.5	7.1	2	4	47	48	822111	817813	<0.2			1.7	1.6	
											1.0	0.4	72	23.2	8.0	8.0	30.4	30.4	98.7	98.6	7.1	6.8	8.5	7.1	3	4	48	50			<0.2			1.7		
											5.6	0.4	91	22.6	8.0	8.0	31.3	31.4	90.1	89.9	6.5	6.5	8.2	7.1	4	4	50	51			<0.2			1.6		
					5.6	0.3	89	22.6	8.0	8.0	31.4	31.4	89.7	89.7	6.5	6.5	8.2	7.1	3	3	51	52	<0.2	1.5												
					10.2	0.4	64	22.4	8.0	8.0	32.3	32.3	88.2	88.3	6.4	6.4	4.3	6.4	4	4	52	52	<0.2	1.4												
					10.2	0.3	69	22.4	8.0	8.0	32.3	32.3	88.3	88.3	6.4	6.4	4.8	6.4	5	5	52	52	<0.2	1.5												
					IM1	Cloudy	Moderate	17:22	6.4	Surface	1.0	0.2	180	24.0	7.9	7.9	30.3	30.4	102.1	102.2	7.3	7.1	1.2	2.9	3	3	49	50			818359	806480	<0.2	1.6		1.8
											1.0	0.2	178	24.0	7.9	7.9	30.4	30.4	102.3	102.2	7.3	7.1	1.2	2.9	3	3	48	51					<0.2	1.6		
											3.2	0.3	172	23.8	7.9	7.9	30.7	30.7	95.6	95.7	6.8	6.8	3.6	6.8	3	3	51	50					<0.2	1.9		
3.2	0.3	176	23.8	7.9						7.9	30.7	30.7	95.7	95.7	6.8	6.8	3.4	6.8	3	3	50	52	<0.2	1.9												
5.4	0.3	179	23.8	7.9						7.9	30.7	30.7	96.8	96.9	6.9	6.9	4.1	6.9	3	3	52	52	<0.2	1.8												
5.4	0.3	182	23.8	7.9						7.9	30.6	30.7	96.9	96.9	6.9	6.9	4.1	6.9	3	3	52	52	<0.2	1.8												
IM2	Cloudy	Moderate	17:18	6.8						Surface	1.0	0.3	183	24.0	7.9	7.9	30.4	30.4	98.9	99.0	7.0	6.9	2.2	3.8	4	3	49	51	819168	806212			<0.2	1.6	1.6	
											1.0	0.3	182	24.0	7.9	7.9	30.4	30.6	99.1	95.1	7.0	6.9	2.2	3.8	3	3	48	50					<0.2	1.7		
											3.4	0.2	174	23.9	7.9	7.9	30.6	30.6	95.1	95.1	6.8	6.8	4.0	6.8	4	4	51	52					<0.2	1.7		
					3.4	0.2	180	23.9	7.9	7.9	30.6	30.6	95.1	95.1	6.8	6.8	4.1	6.8	3	3	50	52	<0.2	1.7												
					5.8	0.3	183	23.8	8.0	8.0	31.0	31.0	95.8	95.9	6.8	6.8	5.1	6.8	3	3	52	53	<0.2	1.6												
					5.8	0.3	187	23.8	8.0	8.0	31.0	31.0	95.9	95.9	6.8	6.8	5.2	6.8	2	3	53	53	<0.2	1.5												
					IM7	Cloudy	Moderate	17:00	7.5	Surface	1.0	0.2	175	24.3	7.9	7.9	27.8	27.8	103.3	103.4	7.4	7.1	1.1	2.4	2	3	47	50			821353	806826	<0.2	1.6		1.6
											1.0	0.2	168	24.2	7.9	7.9	27.8	30.1	103.4	95.2	7.4	7.1	1.1	2.4	4	3	48	49					<0.2	1.5		
											3.8	0.2	169	24.0	7.9	7.9	30.1	30.1	95.2	95.2	6.8	6.8	2.2	2.4	4	3	50	51					<0.2	1.6		
3.8	0.2	162	24.0	7.9						7.9	30.1	30.1	95.2	95.2	6.8	6.8	2.2	2.4	3	3	49	51	<0.2	1.6												
6.5	0.2	146	24.0	7.9						7.9	30.1	30.1	95.7	95.8	6.8	6.8	3.8	6.8	3	3	51	52	<0.2	1.7												
6.5	0.2	140	24.0	7.9						7.9	30.1	30.1	95.9	95.9	6.8	6.8	3.9	6.8	3	3	52	52	<0.2	1.7												

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Water Quality Monitoring

Water Quality Monitoring Results on **23 April 22** 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		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						
IM10	Fine	Moderate	16:42	7.8	Surface	1.0	0.3	119	23.6	23.6	7.9	7.9	26.8	26.8	101.6	101.6	7.4	7.4	2.4	2.4	4	4	48	48	822246	809816	<0.2	<0.2	1.4	1.4							
						1.0	0.3	124	23.5	23.6	7.9	7.9	26.8	26.8	101.5	101.5	7.4	7.4	2.5	2.5	5	5	49	49			<0.2	<0.2	1.4	1.4							
						3.9	0.3	110	23.1	23.1	7.9	7.9	28.3	28.3	91.9	91.9	6.7	6.7	3.2	3.2	3	3	51	51			<0.2	<0.2	1.6	1.6							
					3.9	0.3	116	23.1	23.1	7.9	7.9	28.3	28.3	91.9	91.9	6.7	6.7	3.3	3.3	3	3	51	51	<0.2			<0.2	1.6	1.6								
					6.8	0.4	105	23.0	23.0	8.0	8.0	29.1	29.1	87.7	87.7	6.4	6.4	8.2	8.2	2	2	54	54	<0.2			<0.2	1.5	1.5								
					6.8	0.4	101	23.0	23.0	8.0	8.0	29.1	29.1	87.7	87.7	6.4	6.4	8.3	8.3	3	3	53	53	<0.2			<0.2	1.4	1.4								
					IM11	Fine	Moderate	16:49	8.1	Surface	1.0	0.4	98	23.8	23.8	7.9	7.9	26.8	26.8	101.7	101.6	7.4	7.4	2.5			2.5	2	2	50	50	821488	810551	<0.2	<0.2	1.5	1.5
											1.0	0.4	93	23.7	23.8	7.9	7.9	26.8	26.8	101.5	101.5	7.4	7.4	2.5			2.5	2	2	49	49			<0.2	<0.2	1.6	1.6
											4.1	0.4	96	22.9	22.9	7.9	7.9	29.0	29.1	93.5	93.5	6.8	6.8	4.7			4.7	3	3	51	51			<0.2	<0.2	1.6	1.6
4.1	0.3	99	22.9	22.9						7.9	7.9	29.2	29.2	93.4	93.4	6.8	6.8	5.0	5.0	3	3	52	52	<0.2	<0.2	1.5	1.5										
7.1	0.4	116	22.7	22.7						7.9	7.9	29.6	29.6	89.2	89.2	6.5	6.5	5.9	5.9	3	3	53	53	<0.2	<0.2	1.5	1.5										
7.1	0.3	109	22.7	22.7						7.9	7.9	29.6	29.6	89.4	89.4	6.5	6.5	6.0	6.0	3	3	53	53	<0.2	<0.2	1.6	1.6										
IM12	Fine	Moderate	16:56	8.6						Surface	1.0	0.4	90	23.4	23.4	7.9	7.9	26.8	26.8	100.7	100.4	7.4	7.4	2.5	2.5	2	2	49	49	821160	811517			<0.2	<0.2	1.6	1.6
											1.0	0.3	92	23.3	23.4	7.9	7.9	26.8	26.8	100.0	100.0	7.3	7.3	2.6	2.6	4	4	50	50					<0.2	<0.2	1.6	1.6
											4.3	0.4	82	22.7	22.7	7.9	7.9	29.7	29.8	92.1	90.5	6.7	6.7	4.3	4.3	4	4	51	51					<0.2	<0.2	1.7	1.7
					4.3	0.4	81	22.7	22.7	7.9	7.9	29.9	29.9	88.9	88.9	6.5	6.5	4.7	4.7	4	4	52	52	<0.2	<0.2	1.6	1.6										
					7.6	0.4	102	22.6	22.6	7.9	7.9	30.3	30.3	88.7	88.7	6.4	6.4	6.5	6.5	5	5	53	53	<0.2	<0.2	1.8	1.8										
					7.6	0.4	101	22.6	22.6	7.9	7.9	30.3	30.3	88.9	88.9	6.5	6.5	6.8	6.8	4	4	53	53	<0.2	<0.2	1.7	1.7										
					SR1A	Sunny	Moderate	17:22	5.5	Surface	1.0	0.1	65	23.3	23.3	7.9	7.9	28.4	28.4	101.7	101.7	7.4	7.4	4.1	4.1	4	4	-	-			819972	812655	-	-	-	-
											1.0	0.1	61	23.3	23.3	7.9	7.9	28.4	28.4	101.7	101.7	7.4	7.4	4.1	4.1	4	4	-	-					-	-		
											2.8	0.0	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
2.8	0.0	49	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
4.5	-	87	23.1	23.1						7.9	7.9	29.1	29.1	92.7	92.7	6.7	6.7	5.2	5.2	4	4	-	-	-	-	-	-	-	-	-							
4.5	0.0	90	23.1	23.1						7.9	7.9	29.0	29.1	92.9	92.8	6.7	6.7	5.2	5.2	3	3	-	-	-	-	-	-	-	-	-							
SR2	Sunny	Moderate	17:35	4.6	Surface	1.0	0.3	40	23.7	23.7	8.0	8.0	28.0	28.0	104.1	103.9	7.5	7.5	2.4	2.4	4	4	49	49	821477	814145	<0.2	<0.2	1.5	1.5							
						1.0	0.3	42	23.7	23.7	8.0	8.0	28.0	28.0	103.7	103.7	7.5	7.5	2.4	2.4	2	2	48	48			<0.2	<0.2	1.5	1.5							
						-	0.3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-				
					-	0.3	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-					
					3.6	0.4	25	23.4	23.4	8.0	8.0	28.8	28.9	100.8	100.7	7.3	7.3	2.9	2.9	2	2	50	50	<0.2			<0.2	1.5	1.5								
					3.6	0.4	17	23.3	23.3	8.0	8.0	28.9	28.9	100.6	100.6	7.3	7.3	3.0	3.0	2	2	50	50	<0.2			<0.2	1.4	1.4								
SR3	Fine	Moderate	16:55	8.5	Surface	1.0	0.3	162	24.1	24.1	7.9	7.9	28.7	28.8	100.1	100.2	7.2	7.2	1.4	1.4	4	4	-	-	822136	807554	-	-	-	-							
						1.0	0.3	162	24.1	24.1	7.9	7.9	28.9	28.8	100.2	100.2	7.2	7.2	1.4	1.4	5	5	-	-			-	-									
						4.3	0.3	156	24.0	24.0	7.9	7.9	29.4	29.4	91.3	91.4	6.5	6.5	2.1	2.1	4	4	-	-			-	-	-	-							
					4.3	0.3	153	24.0	24.0	7.9	7.9	29.4	29.4	91.4	91.4	6.5	6.5	2.1	2.1	4	4	-	-	-			-	-	-								
					7.5	0.4	182	24.0	24.0	7.9	7.9	29.7	29.6	92.4	92.5	6.6	6.6	3.2	3.2	4	4	-	-	-			-	-	-								
					7.5	0.4	187	24.0	24.0	7.9	7.9	29.6	29.6	92.5	92.5	6.6	6.6	3.2	3.2	4	4	-	-	-			-	-	-								
SR4A	Cloudy	Moderate	17:48	8.8	Surface	1.0	0.1	60	24.2	24.2	7.9	7.9	30.7	30.7	105.3	105.4	7.4	7.4	1.1	1.1	3	3	-	-	817206	807831	-	-	-	-							
						1.0	0.1	55	24.2	24.2	7.9	7.9	30.7	30.7	105.5	105.5	7.5	7.5	1.1	1.1	2	2	-	-			-	-									
						4.4	0.0	90	24.1	24.1	7.9	7.9	30.8	30.8	95.1	95.2	6.7	6.7	2.6	2.6	4	4	-	-			-	-									
					4.4	0.1	85	24.1	24.1	7.9	7.9	30.8	30.8	95.2	95.2	6.7	6.7	2.6	2.6	3	3	-	-	-			-										
					7.8	0.0	71	24.1	24.1	7.9	7.9	30.8	30.8	96.4	96.5	6.8	6.8	3.6	3.6	2	2	-	-	-			-										
					7.8	0.0	73	24.1	24.1	7.9	7.9	30.8	30.8	96.6	96.6	6.8	6.8	3.6	3.6	4	4	-	-	-			-										
SR8	Sunny	Moderate	17:01	4.6	Surface	1.0	-	-	23.5	23.5	8.0	8.0	26.8	26.9	98.7	98.5	7.2	7.2	3.6	3.6	4	4	-	-	820367	811638	-	-	-	-							
						1.0	-	-	23.5	23.5	8.0	8.0	27.0	26.9	98.3	98.5	7.2	7.2	3.8	3.8	3	3	-	-			-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-							
					3.6	-	-	23.0	23.0	8.0	8.0	28.9	28.9	85.7	85.3	6.2	6.2	6.1	6.1	3	3	-	-	-			-										
					3.6	-	-	23.0	23.0	8.0	8.0	28.9	28.9	84.8	84.8	6.2	6.2	6.3	6.3	4	4	-	-	-			-										

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

Water Quality Monitoring Results on 23 April 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
C1	Cloudy	Moderate	06:17	8.5	Surface	1.0	0.0	199	22.6	8.0	8.0	29.7	29.7	90.1	90.2	6.6	6.6	6.7	6.7	3	3	47	47	815598	804237	<0.2	<0.2	1.6	1.6							
						1.0	0.0	204	22.6	8.0	8.0	29.8	29.7	90.2	90.2	6.6	6.6	6.7	6.7	3	3	48	48													
					Middle	4.3	0.1	208	22.6	8.0	8.0	30.6	30.6	90.8	90.9	6.6	6.6	8.2	8.2	3	3	50	50													
						4.3	0.0	210	22.1	8.0	8.0	30.7	30.7	91.0	90.9	6.7	6.7	8.2	8.2	3	3	51	51													
					Bottom	7.5	0.1	215	22.1	8.0	8.0	31.1	31.1	86.9	87.0	6.4	6.4	8.6	8.6	4	4	52	52													
						7.5	0.0	215	22.5	8.0	8.0	31.1	31.1	87.0	87.0	6.3	6.4	8.6	8.6	3	3	53	53													
					C2	Cloudy	Moderate	07:28	11.6	Surface	1.0	0.2	184	23.7	7.9	7.9	28.8	28.8	78.7	78.7	5.7	5.7	1.0			1.0	3	3	47	47	825703	806925	<0.2	<0.2	1.7	1.7
											1.0	0.2	190	23.7	7.9	7.9	28.8	28.8	78.6	78.7	5.7	5.7	1.1			1.1	4	4	47	47						
Middle	5.8	0.2	191	23.7						7.9	7.9	29.1	29.1	79.4	79.6	5.7	5.7	6.7	6.7	4	4	49	49													
	5.8	0.3	193	23.7						7.9	7.9	29.1	29.1	79.7	79.6	5.7	5.7	7.2	7.2	4	4	50	50													
Bottom	10.6	0.2	185	23.7						7.9	7.9	29.0	29.0	82.5	82.8	5.9	6.0	8.3	8.3	4	4	51	51													
	10.6	0.2	187	23.7						7.9	7.9	29.0	29.0	83.1	82.8	6.0	6.0	8.5	8.5	4	4	52	52													
C3	Fine	Moderate	06:11	11.3	Surface	1.0	0.1	97	22.8	7.9	7.9	29.1	29.1	94.5	94.5	6.9	6.9	2.5	2.5	3	3	48	48	822125	817786	<0.2	<0.2	1.5	1.5							
						1.0	0.1	92	22.8	7.9	7.9	29.1	29.1	94.5	94.5	6.9	6.7	2.5	2.5	3	3	49	49													
					Middle	5.7	0.1	67	22.6	7.9	7.9	30.7	30.8	89.3	89.2	6.5	6.5	3.3	3.3	5	5	51	51													
						5.7	0.1	71	22.6	7.9	7.9	30.8	30.8	89.1	89.2	6.5	6.5	3.3	3.3	4	4	51	51													
					Bottom	10.3	0.0	71	22.5	7.9	7.9	31.1	31.1	88.1	88.2	6.4	6.4	3.0	3.0	5	5	52	52													
						10.3	0.0	68	22.5	7.9	7.9	31.1	31.1	88.3	88.2	6.4	6.4	3.1	3.1	6	6	53	53													
IM1	Cloudy	Moderate	06:34	6.3	Surface	1.0	0.0	183	22.7	8.0	8.0	29.5	29.5	87.6	87.7	6.4	6.4	5.2	5.2	3	3	49	49	818361	806465	<0.2	<0.2	1.6	1.6							
						1.0	0.1	181	22.7	8.0	8.0	29.6	29.5	87.7	87.7	6.4	6.2	5.2	5.2	3	3	49	49													
					Middle	3.2	0.1	177	22.7	8.0	8.0	29.7	29.7	81.2	81.3	5.9	5.9	5.6	5.6	3	3	51	51													
						3.2	0.1	183	22.8	8.0	8.0	29.7	29.7	81.3	81.3	5.9	5.9	5.6	5.6	4	4	51	51													
					Bottom	5.3	0.0	193	22.9	8.0	8.0	29.6	29.6	81.9	83.0	6.0	6.1	6.9	6.9	4	4	53	53													
						5.3	0.0	186	22.9	8.0	8.0	29.6	29.6	84.0	83.0	6.1	6.1	6.9	6.9	3	3	53	53													
IM2	Cloudy	Moderate	06:39	6.8	Surface	1.0	0.1	193	22.8	8.0	8.0	29.6	29.6	90.8	90.9	6.6	6.6	6.6	6.6	2	2	50	50	819200	806237	<0.2	<0.2	1.5	1.5							
						1.0	0.1	190	22.8	8.0	8.0	29.6	29.6	90.9	90.9	6.6	6.3	6.6	6.6	3	3	49	49													
					Middle	3.4	0.0	197	22.7	8.0	8.0	29.8	29.8	80.4	80.5	5.9	5.9	7.7	7.7	4	4	51	51													
						3.4	0.1	194	22.7	8.0	8.0	29.8	29.8	80.5	80.5	5.9	5.9	7.7	7.7	2	2	52	52													
					Bottom	5.8	0.1	176	22.8	8.0	8.0	29.8	29.8	80.8	80.9	5.9	5.9	8.9	8.9	3	3	53	53													
						5.8	0.1	171	22.8	8.0	8.0	29.8	29.8	81.0	80.9	5.9	5.9	8.9	8.9	4	4	54	54													
IM7	Cloudy	Moderate	07:07	7.8	Surface	1.0	0.0	149	23.5	7.9	7.9	29.1	29.2	87.9	88.0	6.4	6.4	1.6	1.4	2	2	48	48	821353	806829	<0.2	<0.2	1.4	1.4							
						1.0	0.1	149	23.5	7.9	7.9	29.2	29.2	88.1	88.0	6.4	6.5	1.4	1.4	2	2	50	50													
					Middle	3.9	0.0	181	23.3	8.0	8.0	30.0	30.0	90.4	90.6	6.5	6.5	6.5	6.5	2	2	51	51													
						3.9	0.0	187	23.3	8.0	8.0	30.0	30.0	90.7	90.6	6.5	6.5	6.7	6.7	3	3	51	51													
					Bottom	6.8	0.1	146	23.3	8.0	8.0	30.0	30.0	91.6	91.8	6.6	6.6	6.7	6.7	3	3	53	53													
						6.8	0.1	149	23.3	8.0	8.0	30.0	30.0	91.9	91.8	6.6	6.6	6.7	6.7	3	3	52	52													

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 **23 April 22** 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		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					
IM10	Fine	Moderate	07:25	8.2	Surface	1.0	0.1	102	23.2	23.2	8.0	7.9	27.0	27.0	97.4	97.5	7.1	7.0	3.0	7.0	4	3	49	51	822233	809847	<0.2	1.7	1.8								
						1.0	0.0	104	23.2	7.9	7.9	27.0	27.0	97.5	97.5	7.1	7.0	3.0	7.0	3	3	50	50	<0.2			1.9										
						4.1	0.1	106	23.0	7.9	7.9	27.9	28.0	93.2	93.1	6.8	6.8	4.6	5.6	3	3	50	51	<0.2			1.9										
					4.1	0.0	109	23.0	7.9	7.9	28.0	28.0	93.0	93.0	6.8	6.8	5.1	5.6	3	3	51	52	<0.2	1.9													
					7.2	0.1	112	23.0	7.9	7.9	28.5	28.5	93.2	93.3	6.8	6.8	8.9	6.8	2	2	52	53	<0.2	1.8													
					7.2	0.1	116	23.1	7.9	7.9	28.5	28.5	93.4	93.3	6.8	6.8	8.9	6.8	3	3	53	53	<0.2	1.8													
					IM11	Fine	Moderate	07:18	7.8	Surface	1.0	0.1	86	23.3	23.3	7.9	7.9	27.1	27.2	95.9	95.8	7.0	6.8	4.2			4.6	3		3	49	49	821510	810559	<0.2	1.8	1.8
											1.0	0.1	90	23.2	7.9	7.9	27.2	27.2	95.6	95.8	7.0	6.8	4.3	4.6			3	3		49	51	<0.2			1.8		
											3.9	0.1	95	23.0	7.9	7.9	28.0	28.0	90.5	90.4	6.6	6.6	5.0	4.6			3	4		51	51	<0.2			1.8		
3.9	0.1	98	23.0	7.9						7.9	28.1	28.0	90.3	90.4	6.6	6.6	5.0	4.6	4	4	51	52	<0.2	1.9													
6.8	0.1	88	22.9	7.9						7.9	28.7	28.7	89.6	89.6	6.5	6.5	4.5	6.5	4	4	52	53	<0.2	1.8													
6.8	0.0	87	22.9	7.9						7.9	28.7	28.7	89.6	89.6	6.5	6.5	4.6	6.5	5	5	53	53	<0.2	1.9													
IM12	Fine	Moderate	07:11	8.7						Surface	1.0	0.1	82	23.5	23.5	7.9	7.9	26.5	26.5	99.0	99.0	7.2	7.1	3.0	4.2	5	4	48	49	821181	811507	<0.2			2.0	2.1	
											1.0	0.1	87	23.5	7.9	7.9	26.5	26.5	99.0	99.0	7.2	7.1	3.0	4.2	4	4	49	51	<0.2			2.0					
											4.4	0.1	77	23.1	7.9	7.9	27.0	27.1	93.7	93.7	6.9	6.9	3.1	4.2	3	4	51	51	<0.2			2.0					
					4.4	0.1	69	23.1	7.9	7.9	27.1	27.1	93.6	93.7	6.9	6.9	3.2	4.2	3	4	51	54	<0.2	1.9													
					7.7	0.1	82	22.7	7.9	7.9	29.4	29.4	87.6	87.6	6.4	6.4	6.4	6.4	3	3	54	53	<0.2	2.2													
					7.7	0.1	86	22.7	7.9	7.9	29.4	29.4	87.6	87.6	6.4	6.4	6.5	6.4	3	3	53	53	<0.2	2.2													
					SR1A	Fine	Moderate	06:45	5.7	Surface	1.0	0.0	315	23.3	23.3	7.9	7.9	27.4	27.5	95.7	95.4	7.0	7.0	3.0	5.0	3	3	-	-			819971	812663	-	-		-
											1.0	0.0	317	23.3	7.9	7.9	27.7	27.5	95.0	95.4	6.9	7.0	3.3	5.0	3	3	-	-									
											2.9	0.0	311	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-								
2.9	0.0	307	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
4.7	0.0	303	23.3	7.9						7.9	29.1	29.1	92.2	92.4	6.7	6.7	6.8	6.7	2	2	2	-	-	-	-												
4.7	0.0	310	23.4	7.9						7.9	29.1	29.1	92.5	92.4	6.7	6.7	6.8	6.7	3	2	3	-	-	-	-												
SR2	Fine	Moderate	06:33	4.5						Surface	1.0	0.1	153	23.6	23.6	7.9	7.9	26.4	26.5	101.9	101.9	7.4	7.4	2.3	2.2	2	3	50	49	821448	814184			<0.2	1.8	1.9	
											1.0	0.0	154	23.6	7.9	7.9	26.5	26.5	101.9	101.9	7.4	7.4	2.3	2.2	3	3	49	51	<0.2					1.9			
											-	0.1	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-		
					-	0.1	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					3.5	0.1	155	23.3	8.0	8.0	27.4	27.4	97.1	97.1	7.1	7.1	2.2	7.1	3	3	52	54	<0.2	1.9													
					3.5	0.1	161	23.3	8.0	8.0	27.4	27.4	97.1	97.1	7.1	7.1	2.1	7.1	2	2	54	54	<0.2	1.9													
					SR3	Cloudy	Moderate	07:19	8.8	Surface	1.0	0.1	162	23.3	23.3	8.0	8.0	30.2	30.2	87.0	87.0	6.3	6.3	8.9	9.0	2	3	-	-			822145	807572	-	-		-
											1.0	0.1	160	23.3	8.0	8.0	30.2	30.2	87.0	87.0	6.3	6.3	8.5	9.0	3	3	-	-									
											4.4	0.2	149	23.4	8.0	8.0	30.2	30.2	86.9	86.9	6.3	6.3	9.2	9.0	3	3	-	-									
4.4	0.2	147	23.4	8.0						8.0	30.2	30.2	86.9	86.9	6.3	6.3	8.3	9.0	3	3	-	-															
7.8	0.1	174	23.3	8.0						8.0	30.2	30.2	87.4	87.5	6.3	6.3	9.4	9.5	3	3	-	-															
7.8	0.0	167	23.3	8.0						8.0	30.2	30.2	87.5	87.5	6.3	6.3	9.5	9.5	3	3	-	-															
SR4A	Cloudy	Moderate	05:56	8.7						Surface	1.0	0.0	295	22.7	22.7	8.0	8.0	30.4	30.4	90.0	90.0	6.5	6.3	5.6	6.7	6	4	-	-	817169	807808			-	-	-	
											1.0	0.0	298	22.7	8.0	8.0	30.4	30.6	90.0	83.5	6.5	6.1	5.6	6.7	5	4	-	-									
											4.4	0.0	316	22.4	8.0	8.0	30.6	30.6	83.5	83.5	6.1	6.1	6.7	6.7	4	3	-	-									
					4.4	0.0	313	22.4	8.0	8.0	30.6	30.6	83.5	83.5	6.1	6.1	6.7	6.7	3	4	-	-															
					7.7	0.0	307	22.3	8.0	8.0	30.5	30.5	83.9	84.0	6.1	6.1	7.7	7.7	4	4	-	-															
					7.7	0.0	311	22.3	8.0	8.0	30.5	30.5	84.0	84.0	6.1	6.1	7.7	7.7	3	3	-	-															
					SR8	Fine	Moderate	07:05	4.3	Surface	1.0	-	-	23.8	23.8	7.9	7.9	26.3	26.3	100.3	100.3	7.3	7.3	5.2	4.7	4	4	-	-			820372	811629	-	-		-
											1.0	-	-	23.8	7.9	7.9	26.3	26.3	100.3	100.3	7.3	7.3	5.3	4.7	3	4	-	-									
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
-	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
3.3	-	-	23.8	8.0						8.0	26.3	26.3	100.4	100.5	7.3	7.3	4.3	4.7	4	4	-	-															
3.3	-	-	23.8	8.0						8.0	26.3	26.3	100.5	100.5	7.3	7.3	4.2	4.7	4	4	-	-															

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 26 April 22 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		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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:34	7.8	Surface	1.0	0.2	207	25.0	25.0	8.0	8.0	26.3	26.3	104.8	104.8	7.5	7.5	1.1	1.1	5	4	49	47	815637	804233	<0.2	<0.2	1.7	1.8
						1.0	0.2	203	25.0	8.0	8.0	26.3	26.3	104.8	104.8	7.5	7.5	1.1	1.1	4	4	47	47	<0.2			<0.2	1.7	1.7	
						3.9	0.2	194	23.9	23.9	8.0	8.0	29.7	29.7	98.5	98.5	7.0	7.0	4.7	4.7	3	3	50	50			<0.2	<0.2	1.7	1.7
						3.9	0.2	188	23.9	23.9	8.0	8.0	29.7	29.7	98.4	98.4	7.0	7.0	4.8	4.8	4	4	51	51			<0.2	<0.2	1.7	1.7
						6.8	0.2	199	23.9	23.9	8.0	8.0	29.7	29.7	98.0	98.0	7.0	7.0	9.3	9.3	4	4	52	52			<0.2	<0.2	1.6	1.6
						6.8	0.2	194	23.9	23.9	8.0	8.0	29.7	29.7	98.1	98.1	7.0	7.0	9.1	9.1	3	3	52	52			<0.2	<0.2	1.6	1.6
					Middle	1.0	0.4	177	26.1	26.1	8.1	8.1	22.1	22.1	120.4	120.4	8.6	8.6	0.9	0.9	8	7	47	48			<0.2	<0.2	1.9	1.8
						1.0	0.4	174	26.1	26.1	8.1	8.1	22.1	22.1	120.3	120.3	8.6	8.6	1.0	1.0	7	7	48	48			<0.2	<0.2	1.8	1.8
						5.8	0.4	192	24.7	24.7	8.0	8.0	25.3	25.3	94.6	94.6	6.8	6.8	1.5	1.5	4	6	50	51			<0.2	<0.2	1.9	1.8
Bottom	5.8	0.4	193	24.7	24.7	8.0	8.0	25.3	25.3	94.6	94.6	6.8	6.8	1.5	1.5	6	6	51	51	<0.2	<0.2	1.8	1.8							
	10.5	0.4	195	23.7	23.7	7.9	7.9	28.6	28.6	80.0	80.0	5.7	5.7	10.1	10.1	5	5	52	52	<0.2	<0.2	1.6	1.6							
	10.5	0.4	188	23.7	23.7	7.9	7.9	28.6	28.6	80.0	80.0	5.8	5.8	10.6	10.6	6	6	53	53	<0.2	<0.2	1.6	1.6							
C2	Fine	Moderate	11:44	11.5	Surface	1.0	0.4	177	26.1	26.1	8.1	8.1	22.1	22.1	120.4	120.4	8.6	8.6	0.9	0.9	8	7	47	48	825664	806943	<0.2	<0.2	1.9	1.8
						1.0	0.4	174	26.1	26.1	8.1	8.1	22.1	22.1	120.3	120.3	8.6	8.6	1.0	1.0	7	7	48	48			<0.2	<0.2	1.8	1.8
						5.8	0.4	192	24.7	24.7	8.0	8.0	25.3	25.3	94.6	94.6	6.8	6.8	1.5	1.5	4	6	50	51			<0.2	<0.2	1.9	1.8
						5.8	0.4	193	24.7	24.7	8.0	8.0	25.3	25.3	94.6	94.6	6.8	6.8	1.5	1.5	6	6	51	51			<0.2	<0.2	1.8	1.8
						10.5	0.4	195	23.7	23.7	7.9	7.9	28.6	28.6	80.0	80.0	5.7	5.7	10.1	10.1	5	5	52	52			<0.2	<0.2	1.6	1.6
						10.5	0.4	188	23.7	23.7	7.9	7.9	28.6	28.6	80.0	80.0	5.8	5.8	10.6	10.6	6	6	53	53			<0.2	<0.2	1.6	1.6
					Middle	1.0	0.3	87	24.1	24.1	7.9	7.9	28.5	28.5	104.8	104.8	7.5	7.5	1.1	1.1	3	3	44	44			<0.2	<0.2	1.6	1.4
						1.0	0.2	84	24.1	24.1	7.9	7.9	28.5	28.5	104.8	104.8	7.5	7.5	1.1	1.1	3	3	44	44			<0.2	<0.2	1.4	1.4
						5.6	0.2	80	23.0	23.0	7.9	7.9	31.7	31.7	92.8	92.8	6.6	6.6	2.1	2.1	3	3	47	47			<0.2	<0.2	1.4	1.5
Bottom	5.6	0.2	83	23.0	23.0	7.9	7.9	31.7	31.7	92.8	92.8	6.6	6.6	2.1	2.1	2	2	52	52	<0.2	<0.2	1.5	1.5							
	10.2	0.2	84	23.0	23.0	7.9	7.9	31.9	31.9	92.7	92.8	6.6	6.6	2.9	2.9	2	2	52	52	<0.2	<0.2	1.5	1.5							
	10.2	0.3	90	23.0	23.0	7.9	7.9	31.9	31.9	92.8	92.8	6.6	6.6	2.9	2.9	3	3	52	52	<0.2	<0.2	1.6	1.6							
C3	Sunny	Moderate	09:29	11.2	Surface	1.0	0.3	87	24.1	24.1	7.9	7.9	28.5	28.5	104.8	104.8	7.5	7.5	1.1	1.1	3	3	44	44	822129	817817	<0.2	<0.2	1.6	1.4
						1.0	0.2	84	24.1	24.1	7.9	7.9	28.5	28.5	104.8	104.8	7.5	7.5	1.1	1.1	3	3	44	44			<0.2	<0.2	1.4	1.4
						5.6	0.2	80	23.0	23.0	7.9	7.9	31.7	31.7	92.8	92.8	6.6	6.6	2.1	2.1	3	3	47	47			<0.2	<0.2	1.4	1.5
						5.6	0.2	83	23.0	23.0	7.9	7.9	31.7	31.7	92.8	92.8	6.6	6.6	2.1	2.1	2	2	52	52			<0.2	<0.2	1.5	1.5
						10.2	0.2	84	23.0	23.0	7.9	7.9	31.9	31.9	92.7	92.8	6.6	6.6	2.9	2.9	2	2	52	52			<0.2	<0.2	1.5	1.5
						10.2	0.3	90	23.0	23.0	7.9	7.9	31.9	31.9	92.8	92.8	6.6	6.6	2.9	2.9	3	3	52	52			<0.2	<0.2	1.6	1.6
					Middle	1.0	0.2	198	25.1	25.1	8.0	8.0	25.6	25.6	103.7	103.7	7.4	7.4	0.5	0.5	4	4	48	48			<0.2	<0.2	2.1	2.1
						1.0	0.2	197	25.1	25.1	8.0	8.0	25.6	25.6	103.7	103.7	7.4	7.4	0.5	0.5	4	4	48	48			<0.2	<0.2	2.2	2.2
						3.2	0.1	205	25.0	25.0	8.0	8.0	25.6	25.6	102.7	102.7	7.3	7.3	0.9	0.9	3	3	49	49			<0.2	<0.2	2.1	2.1
Bottom	3.2	0.2	198	25.0	25.0	8.0	8.0	25.6	25.6	102.6	102.6	7.3	7.3	0.8	0.8	4	4	50	50	<0.2	<0.2	2.0	2.0							
	5.4	0.1	206	24.3	24.3	8.1	8.1	27.4	27.4	95.1	95.2	6.8	6.8	1.5	1.5	3	3	53	53	<0.2	<0.2	1.8	1.8							
	5.4	0.1	212	24.3	24.3	8.1	8.1	27.4	27.4	95.3	95.2	6.8	6.8	1.7	1.7	4	4	52	52	<0.2	<0.2	2.0	2.0							
IM1	Fine	Moderate	10:51	6.4	Surface	1.0	0.2	188	25.3	25.3	8.0	8.0	25.5	25.5	104.3	104.3	7.4	7.4	1.1	1.1	4	4	47	48	818349	806468	<0.2	<0.2	1.6	1.6
						1.0	0.2	188	25.3	25.3	8.0	8.0	25.5	25.5	104.3	104.3	7.4	7.4	1.1	1.1	4	4	48	48			<0.2	<0.2	1.7	1.7
						3.2	0.1	205	25.0	25.0	8.0	8.0	25.6	25.6	103.0	103.0	7.4	7.4	0.8	0.8	4	4	49	49			<0.2	<0.2	1.9	1.9
						3.2	0.2	198	25.0	25.0	8.0	8.0	25.6	25.6	102.9	102.9	7.4	7.4	0.7	0.7	5	5	48	48			<0.2	<0.2	1.8	1.8
						5.4	0.1	206	24.3	24.3	8.1	8.1	27.4	27.4	95.1	95.2	6.8	6.8	1.5	1.5	3	3	53	53			<0.2	<0.2	1.8	1.8
						5.4	0.1	212	24.3	24.3	8.1	8.1	27.4	27.4	95.3	95.2	6.8	6.8	1.7	1.7	4	4	52	52			<0.2	<0.2	2.0	2.0
					Middle	1.0	0.2	188	25.3	25.3	8.0	8.0	25.5	25.5	104.3	104.3	7.4	7.4	1.1	1.1	4	4	47	48			<0.2	<0.2	1.6	1.6
						1.0	0.2	188	25.3	25.3	8.0	8.0	25.5	25.5	104.3	104.3	7.4	7.4	1.1	1.1	4	4	48	48			<0.2	<0.2	1.7	1.7
						3.3	0.2	191	25.0	25.0	8.0	8.0	25.6	25.6	103.0	103.0	7.4	7.4	0.8	0.8	4	4	49	49			<0.2	<0.2	1.9	1.9
Bottom	3.3	0.1	184	25.0	25.0	8.0	8.0	25.6	25.6	102.9	102.9	7.4	7.4	0.7	0.7	5	5	48	48	<0.2	<0.2	1.8	1.8							
	5.5	0.2	222	24.8	24.8	8.0	8.0	25.7	25.7	100.5	100.5	7.2	7.2	0.7	0.7	4	4	50	50	<0.2	<0.2	1.6	1.6							
	5.5	0.2	217	24.8	24.8	8.0	8.0	25.7	25.7	100.5	100.5	7.2	7.2	0.7	0.7	4	4	51	51	<0.2	<0.2	1.6	1.6							
IM2	Fine	Moderate	10:57	6.5	Surface	1.0	0.2	199	25.1	25.1	8.0	8.0	24.4	24.4	102.3	102.3	7.4	7.4	1.2	1.2	4	4	48	48	819171	806216	<0.2	<0.2	1.9	1.8
						1.0	0.2	199	25.1	25.1	8.0	8.0	24.4	24.4	102.3	102.3	7.4	7.4	1.2	1.2	4	4	48	48			<0.2	<0.2	1.8	1.8
						4.0	0.2	188	24.8	24.8	8.0	8.0	25.8	25.8	97.9															

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

**Water Quality Monitoring Results on 26 April 22 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		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		
IM10	Sunny	Moderate	10:56	7.8	Surface	1.0	0.3	125	25.1	8.1	8.1	24.0	24.0	120.7	120.6	8.7	2.4	5	41					822227	809854	<0.2	1.8		1.6					
						1.0	0.3	117	25.1	8.1	8.1	24.0	24.0	120.5	120.6	8.7	2.3	6	41									<0.2	1.8					
					Middle	3.9	0.2	97	24.3	8.0	8.0	26.6	26.6	104.3	104.3	7.5	4.1	5	43										<0.2	1.8				
						3.9	0.2	98	24.3	8.0	8.0	26.6	26.6	104.2	104.2	7.5	4.1	4	44										<0.2	1.6				
					Bottom	6.8	0.3	91	24.3	8.0	8.0	27.1	27.1	101.2	101.3	7.3	7.3	9.0	4	52										<0.2	1.4			
						6.8	0.4	84	24.3	8.0	8.0	27.1	27.1	101.3	101.3	7.3	7.3	9.1	3	52										<0.2	1.4			
					IM11	Sunny	Moderate	10:48	7.5	Surface	1.0	0.3	91	24.6	8.0	8.0	25.6	25.6	108.0	108.0	7.8	3.0	3	44					821508	810554	<0.2	1.7		1.7
											1.0	0.3	92	24.6	8.0	8.0	25.6	25.6	108.0	108.0	7.8	3.0	4	44										<0.2
Middle	3.8	0.3	99	24.3						8.0	8.0	26.8	26.8	99.9	99.9	7.2	7.8	5	47										<0.2	1.7				
	3.8	0.3	100	24.3						8.0	8.0	26.8	26.8	99.9	99.9	7.2	7.8	4	47										<0.2	1.6				
Bottom	6.5	0.3	99	24.2						8.0	8.0	27.5	27.5	97.6	97.6	7.0	6.9	6	51											<0.2	1.6			
	6.5	0.3	96	24.2						8.0	8.0	27.5	27.5	97.5	97.6	7.0	6.9	5	51										<0.2	1.6				
IM12	Sunny	Moderate	10:39	9.1						Surface	1.0	0.3	99	24.9	8.1	8.1	24.0	24.0	120.6	120.6	8.7	3.0	6	40					821169	811529	<0.2	1.7		1.7
											1.0	0.2	101	24.9	8.1	8.1	24.0	24.0	120.5	120.5	8.7	3.1	5	40										<0.2
					Middle	4.6	0.3	117	24.2	8.0	8.0	27.4	27.4	101.9	101.9	7.3	4.4	5	47										<0.2	1.7				
						4.6	0.3	118	24.2	8.0	8.0	27.4	27.4	101.8	101.8	7.3	4.3	4	47										<0.2	1.6				
					Bottom	8.1	0.3	94	24.0	8.0	8.0	28.1	28.1	97.1	97.2	7.0	9.0	3	51											<0.2	1.7			
						8.1	0.3	98	24.0	8.0	8.0	28.1	28.1	97.2	97.2	7.0	9.1	3	51										<0.2	1.6				
					SR1A	Sunny	Calm	10:09	5.8	Surface	1.0	0.1	74	24.7	8.0	8.0	26.5	26.5	106.0	106.0	7.6	2.3	5	-					819973	812661	-	-		-
											1.0	0.1	71	24.7	8.0	8.0	26.5	26.5	106.0	106.0	7.6	2.3	6	-									-	-
Middle	2.9	0.0	83	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2.9	0.0	90	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bottom	4.8	0.0	101	23.8						8.0	8.0	28.8	28.8	93.7	93.8	6.7	6.2	6	-											-	-		-	
	4.8	0.0	107	23.8						8.0	8.0	28.8	28.8	93.8	93.8	6.7	6.1	7	-											-	-		-	
SR2	Sunny	Moderate	09:53	4.5	Surface	1.0	0.1	77	25.3	8.2	8.2	22.8	22.8	126.5	126.5	9.1	1.1	3	48					821439	814176	<0.2	1.5		1.5					
						1.0	0.1	70	25.3	8.2	8.2	22.8	22.8	126.4	126.5	9.1	1.1	3	48										<0.2	1.3				
					Middle	-	0.1	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	0.1	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.5	0.2	49	24.5	8.1	8.1	26.2	26.2	109.5	109.3	7.9	2.7	3	51											<0.2	1.6			
						3.5	0.2	50	24.5	8.1	8.1	26.3	26.2	109.1	109.3	7.8	2.7	3	51										<0.2	1.6				
					SR3	Fine	Moderate	11:24	8.5	Surface	1.0	0.4	153	25.6	8.0	8.0	23.2	23.2	110.5	110.4	7.9	1.1	4	-					822165	807561	-	-		-
											1.0	0.4	146	25.5	8.0	8.0	23.2	23.2	110.2	110.2	7.9	1.2	5	-									-	-
Middle	4.3	0.4	156	24.6						7.9	7.9	25.9	25.9	92.9	92.8	6.7	3.4	5	-										-	-		-		
	4.3	0.4	150	24.6						7.9	7.9	25.9	25.9	92.7	92.7	6.7	3.4	4	-										-	-		-		
Bottom	7.5	0.4	176	24.5						7.9	7.9	26.2	26.2	90.1	90.0	6.5	5.6	6	-											-	-		-	
	7.5	0.4	179	24.5						7.9	7.9	26.2	26.2	89.8	89.8	6.5	5.6	5	-											-	-		-	
SR4A	Fine	Moderate	10:16	9.4	Surface	1.0	0.0	74	24.9	8.0	8.0	25.7	25.7	100.4	100.4	7.2	2.0	9	-					817177	807826	-	-		-					
						1.0	0.0	71	24.9	8.0	8.0	25.7	25.7	100.4	100.4	7.2	2.0	8	-									-	-		-			
					Middle	4.7	0.0	82	24.8	8.0	8.0	25.9	25.9	99.2	99.2	7.1	2.9	7	-										-	-		-		
						4.7	0.1	82	24.8	8.0	8.0	25.9	25.9	99.2	99.2	7.1	2.8	6	-										-	-		-		
					Bottom	8.4	0.0	61	24.8	8.0	8.0	26.0	26.0	98.2	98.2	7.0	4.1	6	-											-	-		-	
						8.4	0.0	67	24.8	8.0	8.0	26.0	26.0	98.2	98.2	7.0	4.1	6	-											-	-		-	
SR8	Sunny	Calm	10:33	5.1	Surface	1.0	-	-	25.2	8.1	8.1	24.7	24.7	123.1	123.1	8.8	2.9	4	-					820386	811604	-	-		-					
						1.0	-	-	25.2	8.1	8.1	24.7	24.7	123.1	123.1	8.8	2.9	4	-										-	-		-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.1	-	-	24.8	8.1	8.1	25.8	25.8	112.9	113.0	8.1	5.5	4	-											-	-		-	
						4.1	-	-	24.9	8.1	8.1	25.7	25.7	113.0	113.0	8.1	5.5	4	-											-	-		-	

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 26 April 22 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		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	15:08	8.2	Surface	1.0	0.2	43	25.5	25.5	8.0	8.0	26.0	26.0	103.2	103.2	7.3	0.8	6	47	49	49	49	49	815642	804260	<0.2	2.0	<0.2	1.8		
						1.0	0.2	49	25.5	8.0	8.0	26.0	26.0	103.2	103.2	7.3	0.8	5	48	49	48	49	49	49	49	815642	804260	<0.2	1.8	<0.2	1.8	
						4.1	0.2	32	24.1	24.1	8.0	8.0	29.2	29.2	97.2	97.2	6.9	6.9	5	49	48	49	48	49	49	815642	804260	<0.2	1.7	<0.2	1.9	
					Middle	4.1	0.2	29	24.1	24.1	8.0	8.0	29.2	29.2	97.1	97.2	6.9	6.9	4	48	50	48	49	49	49	815642	804260	<0.2	1.9	<0.2	1.9	
						7.2	0.2	43	24.2	24.2	8.0	8.0	29.4	29.4	95.0	95.1	6.7	6.8	4	50	51	48	49	49	49	815642	804260	<0.2	2.1	<0.2	2.1	
						7.2	0.2	43	24.2	24.2	8.0	8.0	29.4	29.4	95.1	95.1	6.8	6.8	3	51	51	48	49	49	49	815642	804260	<0.2	1.9	<0.2	1.9	
C2	Sunny	Moderate	14:04	11.5	Surface	1.0	0.2	200	26.6	26.6	8.2	8.2	21.7	21.7	131.9	131.9	9.4	1.4	3	48	49	49	49	825683	806929	<0.2	1.9	<0.2	1.9			
						1.0	0.2	205	26.6	8.2	8.2	21.7	21.7	131.8	131.9	9.4	1.4	4	47	49	49	49	49	825683	806929	<0.2	2.0	<0.2	2.0			
						5.8	0.2	186	24.8	24.8	8.1	8.1	25.0	25.0	94.3	94.3	6.8	6.8	3	49	50	49	49	49	825683	806929	<0.2	1.9	<0.2	1.9		
					Middle	5.8	0.1	184	24.7	24.8	8.1	8.1	25.0	25.0	94.3	94.3	6.8	6.8	4	50	52	49	49	49	49	825683	806929	<0.2	2.1	<0.2	2.1	
						10.5	0.1	193	24.4	24.4	8.2	8.2	27.4	27.3	86.1	86.2	6.2	6.2	2	52	52	49	49	49	825683	806929	<0.2	2.2	<0.2	2.2		
						10.5	0.1	194	24.4	24.4	8.2	8.2	27.3	27.3	86.2	86.2	6.2	6.2	3	52	52	49	49	49	825683	806929	<0.2	2.2	<0.2	2.2		
C3	Sunny	Moderate	15:45	12.7	Surface	1.0	0.4	248	25.5	25.5	8.1	8.1	24.6	24.6	128.9	128.8	9.2	1.5	4	43	44	44	45	822109	817825	<0.2	1.7	<0.2	1.7			
						1.0	0.4	245	25.5	8.1	8.1	24.7	24.6	128.6	128.8	9.2	1.5	4	43	44	44	45	822109	817825	<0.2	1.6	<0.2	1.6				
						6.4	0.4	266	25.3	25.3	8.1	8.1	24.8	24.8	123.9	124.1	8.9	8.9	4	44	43	44	45	822109	817825	<0.2	1.7	<0.2	1.7			
					Middle	6.4	0.4	264	25.2	25.2	8.1	8.1	24.8	24.8	124.2	124.2	8.9	8.9	5	43	49	49	49	49	822109	817825	<0.2	1.8	<0.2	1.8		
						11.7	0.4	266	24.0	24.0	8.0	8.0	28.3	28.3	96.8	96.8	6.9	6.9	4	49	54	49	49	49	822109	817825	<0.2	1.7	<0.2	1.7		
						11.7	0.4	263	24.0	24.0	8.0	8.0	28.3	28.3	96.8	96.8	6.9	6.9	5	49	49	49	49	49	822109	817825	<0.2	1.7	<0.2	1.7		
IM1	Fine	Moderate	14:50	6.6	Surface	1.0	0.0	13	25.6	25.6	8.0	8.0	25.7	25.7	103.7	103.7	7.3	0.2	4	48	49	49	51	818359	806444	<0.2	1.8	<0.2	1.8			
						1.0	0.1	11	25.6	8.0	8.0	25.7	25.7	102.9	102.9	7.3	0.2	3	49	49	49	49	51	818359	806444	<0.2	1.7	<0.2	1.7			
						3.3	0.0	-	24.9	24.9	7.9	7.9	26.3	26.3	93.4	93.4	6.7	6.7	4	49	51	49	49	51	818359	806444	<0.2	1.7	<0.2	1.7		
					Middle	3.3	0.1	-	24.8	24.8	7.9	7.9	26.4	26.3	93.4	93.4	6.7	6.7	3	51	54	49	49	49	51	818359	806444	<0.2	2.3	<0.2	2.3	
						5.6	0.1	32	24.4	24.4	8.0	8.0	27.9	27.9	92.8	92.8	6.6	6.6	5	54	54	49	49	49	51	818359	806444	<0.2	2.2	<0.2	2.2	
						5.6	0.1	26	24.4	24.4	8.0	8.0	27.9	27.9	92.8	92.8	6.6	6.6	4	53	53	49	49	49	51	818359	806444	<0.2	2.2	<0.2	2.2	
IM2	Fine	Moderate	14:43	6.6	Surface	1.0	0.1	261	25.5	25.6	8.0	8.0	25.7	25.7	102.9	102.9	7.3	0.3	4	49	47	50	50	819177	806242	<0.2	1.9	<0.2	1.9			
						1.0	0.1	267	25.6	8.0	8.0	25.7	25.7	102.9	102.9	7.3	0.3	3	47	50	50	50	50	819177	806242	<0.2	1.8	<0.2	1.8			
						3.3	0.1	273	24.9	24.9	8.0	8.0	26.2	26.3	96.9	96.9	6.9	6.9	4	51	52	49	49	50	819177	806242	<0.2	2.2	<0.2	2.2		
					Middle	3.3	0.1	272	24.9	24.9	8.0	8.0	26.3	26.3	96.8	96.8	6.9	6.9	4	51	52	49	49	50	819177	806242	<0.2	2.4	<0.2	2.4		
						5.6	0.1	253	24.5	24.5	8.0	8.0	27.4	27.4	92.1	92.1	6.6	6.6	4	52	52	49	49	50	819177	806242	<0.2	2.0	<0.2	2.0		
						5.6	0.1	247	24.5	24.5	8.0	8.0	27.4	27.4	92.1	92.1	6.6	6.6	5	52	52	49	49	50	819177	806242	<0.2	2.1	<0.2	2.1		
IM7	Fine	Moderate	14:24	8.0	Surface	1.0	0.2	263	25.4	25.4	8.0	8.0	24.5	24.4	106.1	106.1	7.6	0.9	3	49	48	50	50	821366	806826	<0.2	2.1	<0.2	2.1			
						1.0	0.2	267	25.4	8.0	8.0	24.4	24.4	106.1	106.1	7.6	0.9	3	48	49	49	49	50	821366	806826	<0.2	2.2	<0.2	2.2			
						4.0	0.1	244	24.8	24.8	8.0	8.0	25.5	25.5	98.8	98.8	7.1	7.1	3	49	50	49	49	50	821366	806826	<0.2	1.8	<0.2	1.8		
					Middle	4.0	0.2	248	24.8	24.8	8.0	8.0	25.6	25.5	98.7	98.7	7.1	7.1	4	50	52	49	49	50	821366	806826	<0.2	1.8	<0.2	1.8		
						7.0	0.2	272	24.7	24.7	8.0	8.0	26.0	26.0	94.0	94.0	6.7	6.8	3	52	52	49	49	50	821366	806826	<0.2	2.1	<0.2	2.1		
						7.0	0.2	265	24.7	24.7	8.0	8.0	26.0	26.0	94.2	94.2	6.8	6.8	4	51	51	49	49	50	821366	806826	<0.2	2.2	<0.2	2.2		

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 **26 April 22** 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		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
IM10	Sunny	Moderate	14:11	7.9	Surface	1.0	0.1	249	25.2	25.2	8.1	8.1	24.6	24.7	122.4	122.4	8.8	8.4	1.3	5	44	48	3.7	5	5	44	48	822218	809855	<0.2	2.0	1.8	1.8			
						1.0	0.1	254	25.1	25.2	8.1	8.1	24.8	24.7	122.4	122.4	8.8	8.4	1.3	5	44	48	3.7	5	5	44	48	822218	809855	<0.2	1.9	1.8	1.8			
					Middle	4.0	0.1	272	24.6	24.6	8.0	8.0	25.9	26.1	109.6	109.6	7.9	7.6	3.6	4	4	4	48	51	5	4	5	48	51	822218	809855	<0.2	1.7	1.8	1.8	
						4.0	0.1	267	24.5	24.5	8.0	8.0	26.3	26.1	109.6	109.6	7.9	7.6	3.6	4	4	4	48	51	5	4	5	48	51	822218	809855	<0.2	1.8	1.8	1.8	
					Bottom	6.9	0.1	248	24.4	24.4	8.0	8.0	26.8	26.7	105.9	106.2	7.6	7.6	6.2	7.6	4	4	4	48	51	5	4	5	48	51	822218	809855	<0.2	1.7	1.8	1.8
						6.9	0.1	249	24.4	24.4	8.0	8.0	26.7	26.7	106.2	106.2	7.6	7.6	6.3	7.6	4	4	4	48	51	5	4	5	48	51	822218	809855	<0.2	1.7	1.8	1.8
IM11	Sunny	Moderate	14:22	8.1	Surface	1.0	0.1	272	25.1	25.1	8.1	8.1	25.2	25.2	118.9	118.9	8.5	8.2	2.8	6	40	48	3.5	6	7	40	48	821491	810532	<0.2	2.0	1.8	1.8			
						1.0	0.1	278	25.1	25.1	8.1	8.1	25.3	25.9	118.8	108.8	8.5	8.2	2.8	6	40	48	3.5	6	7	40	48	821491	810532	<0.2	2.0	1.8	1.8			
					Middle	4.1	0.1	258	24.7	24.7	8.0	8.0	25.9	25.9	108.8	108.8	7.8	7.3	4.4	4.3	4	4	48	52	5	4	5	48	52	821491	810532	<0.2	1.7	1.7	1.7	
						4.1	0.1	262	24.7	24.7	8.0	8.0	25.9	25.9	108.8	108.8	7.8	7.3	4.3	4.3	4	4	48	52	5	4	5	48	52	821491	810532	<0.2	1.6	1.7	1.7	
					Bottom	7.1	0.2	264	24.5	24.5	8.0	8.0	26.4	26.4	101.0	101.0	7.3	7.3	3.5	7.3	4	4	48	52	5	4	5	48	52	821491	810532	<0.2	1.7	1.7	1.7	
						7.1	0.2	265	24.5	24.5	8.0	8.0	26.5	26.4	101.0	101.0	7.2	7.3	3.5	7.3	4	4	48	52	5	4	5	48	52	821491	810532	<0.2	1.6	1.7	1.6	
IM12	Sunny	Moderate	14:30	9.8	Surface	1.0	0.2	277	25.1	25.1	8.1	8.1	24.4	24.4	121.9	121.8	8.8	8.3	1.3	6	44	48	3.5	6	5	44	48	821170	811508	<0.2	1.7	1.8	1.7			
						1.0	0.2	269	25.1	25.1	8.1	8.1	24.4	24.4	121.7	121.7	8.8	8.3	1.3	6	44	48	3.5	6	5	44	48	821170	811508	<0.2	1.8	1.8	1.7			
					Middle	4.9	0.3	308	24.7	24.7	8.0	8.0	25.6	25.7	109.2	109.3	7.8	7.8	3.4	3.5	4	4	47	47	5	4	5	47	47	821170	811508	<0.2	1.8	1.8	1.7	
						4.9	0.3	312	24.7	24.7	8.0	8.0	25.7	25.7	109.3	109.3	7.8	7.8	3.5	3.5	4	4	47	47	5	4	5	47	47	821170	811508	<0.2	1.8	1.7	1.7	
					Bottom	8.8	0.2	273	24.2	24.2	8.0	8.0	27.3	27.4	97.1	97.1	7.0	7.0	5.6	5.7	4	4	51	51	5	4	5	51	51	821170	811508	<0.2	1.7	1.7	1.6	
						8.8	0.2	276	24.2	24.2	8.0	8.0	27.4	27.4	97.0	97.0	7.0	7.0	5.7	5.7	4	4	51	51	5	4	5	51	51	821170	811508	<0.2	1.7	1.6	1.6	
SR1A	Sunny	Moderate	15:02	4.6	Surface	1.0	0.1	189	25.3	25.3	8.1	8.1	24.8	24.8	128.7	128.7	9.2	9.2	2.5	4	-	-	3.2	4	3	-	-	819976	812659	-	-	-	-			
						1.0	0.1	194	25.3	25.3	8.1	8.1	24.8	24.8	128.6	128.6	9.2	9.2	2.4	3	-	-	3.2	3	3	-	-	819976	812659	-	-	-	-			
					Middle	2.3	0.0	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	819976	812659	-	-	-	-
						2.3	0.0	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	819976	812659	-	-	-	-
					Bottom	3.6	0.0	187	25.1	25.1	8.1	8.1	25.6	25.6	122.0	122.0	8.7	8.7	4.0	4.1	4	2	-	-	3.2	4	2	-	-	819976	812659	-	-	-	-	
						3.6	0.0	192	25.1	25.1	8.1	8.1	25.6	25.6	121.9	121.9	8.7	8.7	4.1	4.1	2	2	-	-	3.2	4	2	-	-	819976	812659	-	-	-	-	
SR2	Sunny	Moderate	15:17	4.7	Surface	1.0	0.1	291	25.3	25.3	8.1	8.1	24.8	24.7	126.0	125.5	9.0	9.0	1.5	3	43	43	3.1	3	3	43	43	821467	814186	<0.2	1.6	1.6	1.6			
						1.0	0.1	294	25.3	25.3	8.1	8.1	24.7	24.7	125.5	125.5	9.0	9.0	1.5	3	43	43	3.1	3	3	43	43	821467	814186	<0.2	1.5	1.6	1.6			
					Middle	-	0.1	258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	821467	814186	<0.2	-	-	-
						-	0.1	261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.1	-	-	-	-	821467	814186	<0.2	-	-	-
					Bottom	3.7	0.1	278	24.2	24.2	8.0	8.0	27.6	27.5	101.3	101.3	7.3	7.3	4.8	4.8	4	3	48	48	3.1	4	3	48	48	821467	814186	<0.2	1.6	1.6	1.6	
						3.7	0.0	277	24.2	24.2	8.0	8.0	27.5	27.5	101.3	101.3	7.3	7.3	4.8	4.8	3	3	48	48	3.1	3	3	48	48	821467	814186	<0.2	1.6	1.6	1.6	
SR3	Sunny	Moderate	14:18	8.6	Surface	1.0	0.2	172	26.0	26.0	8.0	8.0	22.9	22.9	114.9	114.9	8.2	7.8	0.7	4	-	-	2.6	4	-	-	-	822164	807558	-	-	-	-			
						1.0	0.2	168	25.9	25.9	8.0	8.0	22.9	22.9	114.8	114.8	8.2	7.8	0.7	5	-	-	2.6	4	-	-	-	822164	807558	-	-	-	-			
					Middle	4.3	0.2	191	24.9	24.9	8.0	8.0	25.1	25.1	101.3	101.3	7.3	7.3	2.7	2.6	3	4	-	-	2.6	3	4	-	-	822164	807558	-	-	-	-	
						4.3	0.2	190	24.9	24.9	8.0	8.0	25.1	25.1	101.3	101.3	7.3	7.3	2.6	2.6	4	4	-	-	2.6	4	4	-	-	822164	807558	-	-	-	-	
					Bottom	7.6	0.2	178	24.9	24.9	8.0	8.0	25.6	25.6	97.6	97.7	7.0	7.0	4.3	4.8	4	3	-	-	2.6	4	3	-	-	822164	807558	-	-	-	-	
						7.6	0.2	185	24.9	24.9	8.0	8.0	25.6	25.6	97.7	97.7	7.0	7.0	4.8	4.8	3	3	-	-	2.6	4	3	-	-	822164	807558	-	-	-	-	
SR4A	Fine	Moderate	15:27	8.0	Surface	1.0	0.0	258	25.2	25.2	8.0	8.0	25.8	25.8	98.4	98.4	7.0	6.9	1.0	3	-	-	3.9	3	-	-	-	817167	807803	-	-	-	-			
						1.0	0.1	252	25.2	25.2	8.0	8.0	25.8	25.8	98.4	98.4	7.0	6.9	1.1	3	-	-	3.9	3	-	-	-	817167	807803	-	-	-	-			
					Middle	4.0	0.0	243	24.7	24.7	7.9	7.9	26.5	26.6	93.8	93.7	6.7	6.7	3.2	3.3	4	4	-	-	3.9	4	4	-	-	817167	807803	-	-	-	-	
						4.0	0.0	238	24.6	24.6	7.9	7.9	26.6	26.6	93.6	93.6	6.7	6.7	3.3	3.3	4	4	-	-	3.9	4	4	-	-	817167	807803	-	-	-	-	
					Bottom	7.0	0.0	253	24.3	24.3	7.9	7.9	27.5	27.5	86.3	86.3	6.2	6.2	7.3	7.3	5	4	-	-	3.9	5	4	-	-	817167	807803	-	-	-	-	
						7.0	0.1	254	24.3	24.3	7.9	7.9	27.5	27.5	86.2	86.2	6.2	6.2	7.3	7.3	4	4	-	-	3.9	4	4	-	-	817167	807803	-	-	-	-	
SR8	Sunny	Moderate																																		

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 28 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Fine	Moderate	12:17	7.9	Surface	1.0	0.4	205	25.9	8.0	8.0	24.8	24.8	97.4	97.4	6.9	6.8	1.0	3.4	3	815600	804231			
						1.0	0.4	197	25.9	8.0	8.0	24.8	24.8	97.3	97.4	6.9	6.8	1.0	3.4	4					
					Middle	4.0	0.4	194	24.7	24.8	8.0	8.0	28.2	28.2	94.9	95.0	6.7	6.6	2.0	3			3		
						4.0	0.4	200	24.8	24.8	8.0	8.0	28.2	28.2	95.0	95.0	6.7	6.6	2.2	2			2		
					Bottom	6.9	0.4	222	24.4	24.5	8.0	8.0	29.2	29.2	93.5	93.6	6.6	6.6	6.8	6.6			2	3	
						6.9	0.4	228	24.5	24.5	8.0	8.0	29.2	29.2	93.6	93.6	6.6	6.6	7.7	6.6			3	3	
C2	Fine	Moderate	13:35	11.5	Surface	1.0	0.6	180	26.5	7.9	7.9	21.1	21.1	95.3	95.3	6.8	6.6	2.9	7.7	4	825689	806968			
						1.0	0.6	186	26.4	26.5	7.9	7.9	21.1	21.1	95.2	95.3	6.8	6.6	3.3	3					
					Middle	5.8	0.7	161	25.5	25.5	7.9	7.9	23.5	23.5	88.5	88.4	6.4	6.4	6.1	6.6			3	4	
						5.8	0.7	166	25.4	25.5	7.9	7.9	23.6	23.5	88.3	88.4	6.4	6.4	6.2	6.6			4	4	
					Bottom	10.5	0.7	181	24.8	24.8	8.0	8.0	27.2	27.2	81.7	81.9	5.8	5.8	13.9	5.8			4	4	
						10.5	0.7	185	24.8	24.8	8.0	8.0	27.1	27.2	82.0	81.9	5.8	5.8	13.9	5.8			4	4	
C3	Fine	Moderate	11:05	9.6	Surface	1.0	0.4	92	25.0	7.9	7.9	27.6	27.7	97.3	97.2	6.9	6.8	1.0	1.2	3	822108	817781			
						1.0	0.4	96	25.0	25.0	7.9	7.9	27.7	27.7	97.1	97.2	6.9	6.8	1.1	6.8			3		
					Middle	4.8	0.4	84	24.5	24.5	7.9	7.9	29.2	29.2	95.0	95.0	6.7	6.7	1.1	6.8			2	3	
						4.8	0.4	85	24.4	24.5	7.9	7.9	29.3	29.2	94.9	95.0	6.7	6.7	1.1	6.8			3	3	
					Bottom	8.6	0.4	65	23.8	23.8	7.9	7.9	31.2	31.2	92.5	92.5	6.5	6.5	1.5	6.5			2	2	
						8.6	0.3	65	23.8	23.8	7.9	7.9	31.3	31.2	92.5	92.5	6.5	6.5	1.5	6.5			2	2	
IM1	Fine	Moderate	12:34	6.3	Surface	1.0	0.3	185	25.8	7.9	7.9	24.5	24.6	94.8	94.8	6.7	6.6	0.8	4.5	4	818347	806435			
						1.0	0.3	186	25.8	25.8	7.9	7.9	24.6	24.6	94.8	94.8	6.7	6.6	0.9	6.6			5		
					Middle	3.2	0.4	192	25.5	25.5	8.0	8.0	25.6	25.6	90.9	91.0	6.5	6.5	3.4	6.6			3	3	
						3.2	0.4	186	25.4	25.5	8.0	8.0	25.6	25.6	91.0	91.0	6.5	6.5	5.0	6.6			3	3	
					Bottom	5.3	0.3	192	25.1	25.1	8.0	8.0	26.9	26.9	90.3	90.3	6.4	6.4	8.5	6.4			2	6.4	2
						5.3	0.2	185	25.1	25.1	8.0	8.0	26.9	26.9	90.3	90.3	6.4	6.4	8.6	6.4			3	6.4	3
IM2	Fine	Moderate	12:41	6.9	Surface	1.0	0.4	213	26.0	7.9	7.9	24.5	24.5	95.9	95.9	6.8	6.7	0.6	3.8	3	819162	806243			
						1.0	0.3	220	26.0	26.0	7.9	7.9	24.5	24.5	95.9	95.9	6.8	6.7	0.6	6.7			3		
					Middle	3.5	0.4	187	25.6	25.6	7.9	7.9	25.3	25.3	91.8	91.9	6.5	6.5	1.3	6.7			2	3.8	2
						3.5	0.4	183	25.6	25.6	7.9	7.9	25.3	25.3	92.0	91.9	6.5	6.5	1.3	6.7			3	3.8	3
					Bottom	5.9	0.4	198	25.1	25.1	8.0	8.0	26.5	26.5	89.5	89.5	6.3	6.3	9.4	6.4			2	6.4	2
						5.9	0.4	192	25.1	25.1	8.0	8.0	26.5	26.5	89.5	89.5	6.4	6.4	9.4	6.4			3	6.4	3
IM7	Fine	Moderate	13:01	7.6	Surface	1.0	0.3	210	26.0	7.9	7.9	22.9	22.9	90.6	90.4	6.5	6.4	1.3	3.8	3	821344	806851			
						1.0	0.3	209	26.0	26.0	7.9	7.9	22.9	22.9	90.1	90.4	6.4	6.4	1.4	6.4			2		
					Middle	3.8	0.3	198	25.6	25.6	8.0	8.0	24.6	24.6	88.2	88.3	6.3	6.3	5.1	6.4			4	3.8	4
						3.8	0.3	204	25.6	25.6	8.0	8.0	24.6	24.6	88.4	88.3	6.3	6.3	5.1	6.4			4	3.8	4
					Bottom	6.6	0.3	199	25.7	25.7	8.0	8.0	24.8	24.8	89.9	89.9	6.4	6.4	4.9	6.4			5	6.4	5
						6.6	0.3	197	25.7	25.7	8.0	8.0	24.8	24.8	90.0	90.0	6.4	6.4	5.0	6.4			4	6.4	4

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

Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022.

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA											
																									Value	Average	Value	Average	Value	Average	Value	DA	Value
IM10	Fine	Moderate	12:29	8.0	Surface	1.0	0.4	125	25.3	25.3	8.0	8.0	23.5	23.5	99.7	99.6	7.2	7.2	7.0	3.3	3	822234	809854										
						1.0	0.4	120	25.3	8.0	8.0	23.5	23.5	99.4	99.6	7.2	7.2	7.0	3.4	4													
					Middle	4.0	0.4	128	25.1	25.1	8.0	8.0	26.3	26.3	93.9	94.1	6.7	6.7	5.4	2	3												
						4.0	0.5	129	25.1	25.1	8.0	8.0	26.3	26.3	94.2	94.1	6.7	6.7	5.7	3	3												
					Bottom	7.0	0.4	111	25.1	25.1	8.0	8.0	26.4	26.4	95.9	96.1	6.8	6.8	6.1	2	2												
						7.0	0.5	116	25.1	25.1	8.0	8.0	26.4	26.4	96.2	96.1	6.8	6.8	6.1	2	2												
					IM11	Fine	Moderate	12:23	7.0	Surface	1.0	0.4	92	25.3	25.3	8.0	8.0	25.1	25.1	94.6	94.6			6.7	6.7	6.0	4.8	3	821518	810551			
											1.0	0.4	91	25.3	25.3	8.0	8.0	25.1	25.1	94.5	94.6			6.7	6.7	4.9	3						
										Middle	3.5	0.4	104	25.3	25.3	8.0	8.0	25.4	25.4	94.3	94.3			6.7	6.7	6.1	4	4					
											3.5	0.4	110	25.3	25.3	8.0	8.0	25.5	25.4	94.3	94.3			6.7	6.7	6.2	4	4					
Bottom	6.0	0.4	117	25.3						25.3	8.0	8.0	25.6	25.6	95.7	95.8	6.8	6.8	7.0	6	6												
	6.0	0.5	121	25.3						25.3	8.0	8.0	25.6	25.6	95.8	95.8	6.8	6.8	7.0	6	6												
IM12	Fine	Moderate	12:15	9.0						Surface	1.0	0.5	96	25.3	25.3	8.0	8.0	25.4	25.4	95.1	95.1	6.8	6.8	6.8	5.1	2	821139	811534					
											1.0	0.4	92	25.3	25.3	8.0	8.0	25.5	25.4	95.1	95.1	6.8	6.8	5.1	3								
										Middle	4.5	0.4	114	25.2	25.2	8.0	8.0	25.7	25.7	95.6	95.8	6.8	6.8	6.0	3	3							
											4.5	0.4	119	25.2	25.2	8.0	8.0	25.7	25.7	95.9	95.8	6.8	6.8	6.1	3	3							
					Bottom	8.0	0.4	99	25.2	25.2	8.0	8.0	25.8	25.8	97.8	98.0	7.0	7.0	7.3	4	4												
						8.0	0.5	94	25.2	25.2	8.0	8.0	25.8	25.8	98.1	98.0	7.0	7.0	7.4	4	4												
					SR1A	Fine	Moderate	11:46	4.2	Surface	1.0	-	78	25.7	25.7	8.0	8.0	25.6	25.7	100.2	100.3	7.1	7.1	7.1	2.5	4			819983	812658			
											1.0	0.0	84	25.7	25.7	8.0	8.0	25.7	25.7	100.3	100.3	7.1	7.1	2.5	3								
										Middle	2.1	0.0	74	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	4
											2.1	0.0	66	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	4
Bottom	3.2	-	93	25.7						25.7	8.0	8.0	25.7	25.7	101.7	102.0	7.2	7.2	2.7	5	5												
	3.2	-	91	25.7						25.7	8.0	8.0	25.7	25.7	102.2	102.0	7.2	7.2	2.7	4	4												
SR2	Fine	Moderate	11:30	5.2						Surface	1.0	0.3	47	24.7	24.7	8.0	8.0	27.4	27.5	92.6	92.7	6.6	6.6	6.6	1.7	4	821469	814158					
											1.0	0.3	41	24.7	24.7	8.0	8.0	27.5	27.5	92.7	92.7	6.6	6.6	1.6	3								
										Middle	-	0.3	49	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	4
											-	0.3	53	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	4
					Bottom	4.2	0.3	40	24.7	24.7	8.0	8.0	27.7	27.7	93.4	93.5	6.6	6.6	2.8	3	3												
						4.2	0.3	33	24.7	24.7	8.0	8.0	27.6	27.7	93.6	93.5	6.6	6.6	2.7	4	4												
					SR3	Fine	Moderate	13:08	8.1	Surface	1.0	0.5	175	26.3	26.3	7.9	7.9	22.1	22.1	94.5	94.5	6.7	6.7	6.7	1.1	3			822145	807594			
											1.0	0.5	169	26.2	26.3	7.9	7.9	22.1	22.1	94.5	94.5	6.7	6.7	1.1	4								
										Middle	4.1	0.5	154	26.0	26.0	7.9	7.9	23.2	23.2	93.6	93.6	6.7	6.7	2.2	4	4							
											4.1	0.5	147	26.0	26.0	7.9	7.9	23.1	23.2	93.6	93.6	6.7	6.7	2.5	3	3							
Bottom	7.1	0.5	189	25.6						25.6	7.9	7.9	24.9	24.9	87.5	87.6	6.2	6.2	6.7	3	3												
	7.1	0.5	182	25.6						25.6	8.0	7.9	24.9	24.9	87.6	87.6	6.2	6.2	6.7	3	3												
SR4A	Fine	Moderate	11:59	8.9						Surface	1.0	0.0	41	26.0	26.0	7.9	7.9	24.1	24.1	94.9	94.9	6.7	6.7	6.5	1.8	2	817183	807816					
											1.0	0.1	37	25.9	26.0	7.9	7.9	24.1	24.1	94.9	94.9	6.7	6.7	2.0	2								
										Middle	4.5	0.0	32	25.4	25.4	8.0	8.0	25.9	25.9	88.1	88.2	6.2	6.2	5.6	2	3							
											4.5	0.0	28	25.4	25.4	8.0	8.0	25.9	25.9	88.2	88.2	6.3	6.3	5.5	3	3							
					Bottom	7.9	0.0	37	25.3	25.3	8.0	8.0	26.3	26.3	89.3	89.3	6.3	6.3	6.7	2	2												
						7.9	0.1	40	25.3	25.3	8.0	8.0	26.3	26.3	89.3	89.3	6.3	6.3	6.9	4	4												
					SR8	Fine	Moderate	12:10	4.4	Surface	1.0	-	-	26.2	26.2	8.0	8.0	25.7	25.7	97.8	97.8	6.8	6.8	6.8	5.8	7			820374	811632			
											1.0	-	-	26.2	26.2	8.0	8.0	25.7	25.7	97.7	97.8	6.8	6.8	5.9	7								
										Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	6
Bottom	3.4	-	-	26.0						26.1	8.0	8.0	25.6	25.5	96.8	96.9	6.8	6.8	6.0	5	5												
	3.4	-	-	26.1						26.1	8.0	8.0	25.5	25.5	96.9	96.9	6.8	6.8	6.1	6	6												

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 bold and underlined

Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022.

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

**Water Quality Monitoring Results on 28 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	17:07	8.0	Surface	1.0	0.3	39	25.9	25.9	7.9	7.9	25.1	25.1	93.4	93.3	6.6	6.6	2.3	2.3	3	3	815608	804254
						1.0	0.2	31	25.9	7.9	7.9	25.2	25.1	93.1	93.3	6.6	6.6	2.4	2.4	2	2			
					Middle	4.0	0.3	42	25.4	25.4	8.0	8.0	25.4	25.4	91.8	91.8	6.5	6.5	1.8	1.8	2	2		
						4.0	0.2	38	25.3	25.4	8.0	8.0	25.5	25.4	91.7	91.8	6.5	6.5	2.0	2.0	2	2		
					Bottom	7.0	0.2	37	24.9	24.9	8.0	8.0	27.7	27.7	90.1	90.1	6.4	6.4	9.8	9.8	<2	<2		
						7.0	0.2	43	24.9	24.9	8.0	8.0	27.7	27.7	90.1	90.1	6.4	6.4	9.2	9.2	<2	<2		
C2	Sunny	Moderate	16:04	11.7	Surface	1.0	0.2	188	26.5	26.5	8.0	8.0	19.9	19.9	94.1	94.1	6.8	6.8	0.9	0.9	3	3	825679	806922
						1.0	0.2	185	26.5	26.5	8.0	8.0	19.9	19.9	94.0	94.1	6.8	6.8	0.8	0.8	2	2		
					Middle	5.9	0.2	195	25.0	25.0	8.0	8.0	25.4	25.5	82.0	82.0	5.9	5.9	8.5	8.5	3	3		
						5.9	0.2	194	25.0	25.0	8.0	8.0	25.5	25.5	81.9	81.9	5.9	5.9	9.2	9.2	3	3		
					Bottom	10.7	0.2	193	25.0	25.0	8.0	8.0	26.1	26.1	81.8	81.9	5.8	5.8	12.4	12.4	3	3		
						10.7	0.2	199	25.0	25.0	8.1	8.0	26.1	26.1	81.9	81.9	5.8	5.8	12.9	12.9	2	2		
C3	Fine	Moderate	17:08	11.0	Surface	1.0	0.5	257	25.4	25.5	8.0	8.0	25.6	25.6	94.6	94.5	6.7	6.7	1.0	1.0	2	2	822105	817808
						1.0	0.5	256	25.5	25.5	8.0	8.0	25.6	25.6	94.4	94.5	6.7	6.7	1.0	1.0	2	2		
					Middle	5.5	0.5	286	24.2	24.2	8.0	8.0	29.4	29.4	90.1	90.1	6.4	6.4	1.2	1.2	2	2		
						5.5	0.5	279	24.2	24.2	8.0	8.0	29.4	29.4	90.1	90.1	6.4	6.4	1.1	1.1	3	3		
					Bottom	10.0	0.5	277	24.1	24.1	8.0	8.0	29.8	29.8	91.5	91.6	6.5	6.5	1.4	1.4	2	2		
						10.0	0.5	269	24.1	24.1	8.0	8.0	29.8	29.8	91.6	91.6	6.5	6.5	1.4	1.4	3	3		
IM1	Sunny	Moderate	16:51	6.1	Surface	1.0	0.0	350	26.2	26.2	8.0	8.0	24.8	24.8	95.0	95.0	6.7	6.7	1.8	1.8	7	7	818350	806477
						1.0	0.0	355	26.1	26.1	8.0	8.0	24.9	24.8	95.0	95.0	6.7	6.7	1.9	1.9	6	6		
					Middle	3.1	0.1	345	25.5	25.4	8.0	8.0	25.3	25.3	90.7	90.6	6.5	6.5	8.7	8.7	7	7		
						3.1	0.1	347	25.3	25.4	8.0	8.0	25.4	25.3	90.4	90.6	6.4	6.4	8.8	8.8	6	6		
					Bottom	5.1	0.0	339	25.0	25.0	8.0	8.0	27.5	27.5	89.4	89.5	6.3	6.3	9.2	9.2	5	5		
						5.1	0.0	341	25.0	25.0	8.0	8.0	27.4	27.4	89.6	89.5	6.3	6.3	9.2	9.2	6	6		
IM2	Sunny	Moderate	16:44	6.9	Surface	1.0	0.1	263	26.3	26.3	7.9	7.9	24.6	24.7	96.9	96.9	6.8	6.8	1.6	1.6	2	2	819160	806255
						1.0	0.1	261	26.2	26.3	7.9	7.9	24.8	24.7	96.9	96.9	6.8	6.8	1.5	1.5	2	2		
					Middle	3.5	0.1	276	25.2	25.2	8.0	8.0	26.5	26.6	90.1	89.9	6.4	6.4	6.4	6.4	3	3		
						3.5	0.1	274	25.1	25.2	8.0	8.0	26.7	26.6	89.7	89.9	6.4	6.4	6.7	6.7	3	3		
					Bottom	5.9	0.1	272	24.9	24.9	8.0	8.0	27.3	27.3	88.7	88.7	6.3	6.3	8.6	8.6	4	4		
						5.9	0.1	275	24.9	24.9	8.0	8.0	27.3	27.3	88.7	88.7	6.3	6.3	8.5	8.5	4	4		
IM7	Sunny	Moderate	16:26	7.0	Surface	1.0	0.2	260	26.6	26.6	7.9	7.9	22.5	22.5	94.6	94.6	6.7	6.7	2.6	2.6	2	2	821359	806852
						1.0	0.2	255	26.6	26.6	7.9	7.9	22.5	22.5	94.6	94.6	6.7	6.7	2.7	2.7	3	3		
					Middle	3.5	0.2	241	26.0	26.0	7.9	7.9	23.5	23.5	90.4	90.4	6.4	6.4	3.0	3.0	4	4		
						3.5	0.2	241	26.0	26.0	7.9	7.9	23.5	23.5	90.4	90.4	6.4	6.4	3.2	3.2	3	3		
					Bottom	6.0	0.2	273	25.7	25.8	7.9	7.9	24.1	24.1	89.0	89.1	6.3	6.3	8.1	8.1	4	4		
						6.0	0.2	268	25.8	25.8	7.9	7.9	24.1	24.1	89.1	89.1	6.3	6.3	8.4	8.4	3	3		

DA: Depth-Averaged

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

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

Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022.

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

**Water Quality Monitoring Results on 28 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Fine	Moderate	16:00	7.4	Surface	1.0	0.2	207	26.0	26.0	8.0	8.0	23.7	23.7	99.7	99.6	7.1	7.1	7.0	1.0	2.2	2	3	822218	809828		
						1.0	0.2	207	26.0	8.0	8.0	23.8	23.7	99.4	99.6	7.1	7.0	1.0	3								
					Middle	3.7	0.2	203	25.7	25.7	8.0	8.0	24.6	24.7	97.3	97.3	6.9	6.9	7.0	2.0	3						
						3.7	0.1	196	25.6	25.7	8.0	8.0	24.7	24.7	97.2	97.3	6.9	6.9	7.0	2.0	2						
					Bottom	6.4	0.1	216	25.4	25.5	8.0	8.0	25.3	25.3	97.6	97.8	6.9	6.9	7.0	3.5	3						
						6.4	0.1	213	25.5	25.5	8.0	8.0	25.2	25.3	97.9	97.8	7.0	7.0	3.4	3							
IM11	Fine	Moderate	16:05	7.8	Surface	1.0	0.1	250	25.9	25.9	8.0	8.0	24.3	24.4	99.7	99.6	7.1	7.1	7.1	3.3	5.0	3	821518	810548			
						1.0	0.1	248	25.9	25.9	8.0	8.0	24.5	24.4	99.5	99.6	7.1	7.1	7.1	3.7							
					Middle	3.9	0.2	258	25.7	25.7	8.0	8.0	25.0	25.0	98.6	98.5	7.0	7.0	5.2	2							
						3.9	0.2	261	25.7	25.7	8.0	8.0	25.0	25.0	98.3	98.5	7.0	7.0	5.6	3							
					Bottom	6.8	0.2	235	25.5	25.5	8.0	8.0	25.0	25.0	97.4	97.7	6.9	6.9	6.1	4							
						6.8	0.2	227	25.5	25.5	8.0	8.0	24.9	25.0	97.9	97.7	7.0	7.0	6.1	4							
IM12	Fine	Moderate	16:11	8.0	Surface	1.0	0.2	290	25.9	25.9	8.0	8.0	24.2	24.2	100.1	100.2	7.1	7.1	7.0	1.7	3.1	3	821165	811528			
						1.0	0.2	297	25.8	25.9	8.0	8.0	24.3	24.2	100.2	100.2	7.1	7.1	1.8	4							
					Middle	4.0	0.2	297	25.5	25.5	8.0	8.0	25.1	25.1	96.6	96.6	6.9	6.9	3.1	4							
						4.0	0.2	291	25.5	25.5	8.0	8.0	25.1	25.1	96.6	96.6	6.9	6.9	3.2	2							
					Bottom	7.0	0.2	295	25.5	25.5	8.0	8.0	25.2	25.2	97.2	97.3	6.9	6.9	4.2	3							
						7.0	0.2	296	25.5	25.5	8.0	8.0	25.2	25.2	97.4	97.3	6.9	6.9	4.3	3							
SR1A	Fine	Moderate	16:37	5.6	Surface	1.0	0.0	189	25.7	25.7	8.0	8.0	24.8	24.8	99.0	99.0	7.0	7.0	7.0	1.0	1.7	4	819973	812661			
						1.0	0.1	188	25.7	25.7	8.0	8.0	24.8	24.8	98.9	99.0	7.0	7.0	1.0	5							
					Middle	2.8	0.1	178	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						2.8	0.1	171	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	4.6	0.1	190	25.5	25.5	8.0	8.0	25.1	25.1	99.3	99.5	7.1	7.1	2.3	3							
						4.6	0.0	192	25.5	25.5	8.0	8.0	25.1	25.1	99.7	99.5	7.1	7.1	2.3	4							
SR2	Fine	Moderate	16:45	4.8	Surface	1.0	0.1	319	25.4	25.4	8.0	8.0	24.4	24.4	100.0	99.7	7.2	7.1	7.2	2.5	2.9	4	821478	814166			
						1.0	0.1	320	25.3	25.4	8.0	8.0	24.4	24.4	99.3	99.7	7.1	7.1	2.6	3							
					Middle	-	0.1	310	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
						-	0.1	306	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	3.8	0.1	299	25.1	25.1	8.0	8.0	26.4	26.4	94.6	94.7	6.7	6.7	3.3	5							
						3.8	0.1	297	25.1	25.1	8.0	8.0	26.4	26.4	94.8	94.7	6.7	6.7	3.2	4							
SR3	Sunny	Moderate	16:20	8.6	Surface	1.0	0.2	187	26.6	26.5	7.9	7.9	21.5	21.6	95.8	95.8	6.8	6.8	6.6	1.1	5.2	2	822140	807564			
						1.0	0.2	183	26.4	26.5	7.9	7.9	21.6	21.6	95.7	95.8	6.8	6.8	1.1	<2							
					Middle	4.3	0.2	216	25.7	25.7	7.9	7.9	24.0	24.0	87.8	87.8	6.3	6.3	3.5	2							
						4.3	0.3	218	25.7	25.7	7.9	7.9	24.1	24.0	87.7	87.8	6.3	6.3	3.6	3							
					Bottom	7.6	0.2	212	25.6	25.6	8.0	8.0	24.2	24.2	87.4	87.4	6.2	6.2	11.1	3							
						7.6	0.2	211	25.6	25.6	8.0	8.0	24.2	24.2	87.4	87.4	6.2	6.2	11.1	2							
SR4A	Sunny	Moderate	17:26	8.5	Surface	1.0	0.1	158	26.8	26.8	8.0	8.0	24.6	24.6	98.3	98.2	6.8	6.8	6.8	3.9	6.2	3	817187	807801			
						1.0	0.1	153	26.8	26.8	8.0	8.0	24.6	24.6	98.1	98.2	6.8	6.8	3.8	2							
					Middle	4.3	0.0	153	26.7	26.7	8.0	8.0	24.5	24.5	96.8	96.8	6.8	6.8	5.1	2							
						4.3	0.0	159	26.7	26.7	8.0	8.0	24.5	24.5	96.8	96.8	6.8	6.8	5.5	3							
					Bottom	7.5	0.0	191	26.8	26.8	8.0	8.0	24.5	24.5	96.4	96.4	6.7	6.7	9.4	3							
						7.5	0.0	191	26.8	26.8	8.0	8.0	24.5	24.5	96.3	96.4	6.7	6.7	9.6	2							
SR8	Fine	Moderate	16:16	5.0	Surface	1.0	-	-	25.8	25.8	8.0	8.0	24.4	24.4	98.8	98.9	7.0	7.0	7.0	1.9	3.5	3	820397	811618			
						1.0	-	-	25.8	25.8	8.0	8.0	24.4	24.4	98.9	98.9	7.0	7.0	1.9	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	4.0	-	-	25.7	25.8	8.0	8.0	24.7	24.7	99.8	100.1	7.1	7.1	5.0	3							
						4.0	-	-	25.8	25.8	8.0	8.0	24.6	24.7	100.4	100.1	7.1	7.1	5.1	3							

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

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Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations from 28 April 2022.



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 30 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Misty	Moderate	11:30	7.4	Surface	1.0	0.1	208	25.9	25.9	8.3	8.3	21.4	21.4	93.9	93.9	6.8	6.8	6.7	4.0	4	4	815632	804245
						1.0	0.1	202	25.9	8.4	8.3	21.5	21.4	93.8	93.9	6.8	6.8							
					Middle	3.7	0.2	191	24.3	24.2	8.4	8.4	27.1	27.2	92.2	92.1	6.6	6.6	6.4	4	3	4		
						3.7	0.2	189	24.1	8.4	8.4	27.3	27.2	92.0	92.1	6.6	6.6							
					Bottom	6.4	0.1	215	24.0	24.0	8.5	8.5	30.9	30.9	91.4	91.4	6.4	6.4	6.4	5.1	3	4		
						6.4	0.1	222	24.0	8.5	8.5	30.9	30.9	91.3	91.4	6.4	6.4							
C2	Misty	Moderate	12:42	10.2	Surface	1.0	0.6	181	26.0	26.0	8.3	8.3	22.3	22.3	90.7	90.7	6.5	6.5	6.3	2.5	2	2	825704	806956
						1.0	0.6	183	25.9	8.3	8.3	22.3	22.3	90.6	90.7	6.5	6.5							
					Middle	5.1	0.5	156	25.7	25.7	8.3	8.3	24.3	24.4	85.7	85.7	6.1	6.1	6.2	2.1	3	3		
						5.1	0.5	157	25.7	8.3	8.3	24.5	24.4	85.7	85.7	6.1	6.1							
					Bottom	9.2	0.6	153	25.6	25.6	8.3	8.3	25.9	25.9	86.6	87.1	6.1	6.1	6.2	2.1	3	4		
						9.2	0.6	150	25.6	8.3	8.3	25.9	25.9	87.6	87.1	6.2	6.2							
C3	Cloudy	Moderate	11:16	11.4	Surface	1.0	0.3	63	25.0	25.0	7.9	7.9	28.1	28.2	92.5	92.5	6.5	6.5	6.4	2.3	4	3	822118	817788
						1.0	0.3	65	25.0	7.9	7.9	28.2	28.2	92.5	92.5	6.5	6.5							
					Middle	5.7	0.3	86	24.3	24.3	7.9	7.9	30.7	30.7	89.2	89.2	6.3	6.3	6.2	1.9	2	2		
						5.7	0.3	90	24.3	7.9	7.9	30.8	30.7	89.1	89.2	6.3	6.3							
					Bottom	10.4	0.3	73	24.0	24.0	7.9	7.9	31.8	31.8	88.2	88.3	6.2	6.2	6.2	4.5	2	2		
						10.4	0.4	80	24.0	7.9	7.9	31.7	31.8	88.3	88.3	6.2	6.2							
IM1	Misty	Moderate	11:52	6.4	Surface	1.0	0.1	175	26.1	26.1	8.4	8.4	22.0	22.1	91.2	91.1	6.5	6.5	6.5	2.4	4	4	818351	806440
						1.0	0.1	168	26.1	8.5	8.4	22.1	22.1	90.9	91.1	6.5	6.5							
					Middle	3.2	0.1	181	26.1	26.1	8.5	8.5	22.7	22.7	90.5	90.6	6.5	6.5	6.6	2.9	3	4		
						3.2	0.1	174	26.1	8.5	8.5	22.7	22.7	90.7	90.6	6.5	6.5							
					Bottom	5.4	0.1	199	26.1	26.1	8.5	8.5	22.8	22.8	91.9	92.1	6.5	6.5	6.6	3.1	3	3		
						5.4	0.2	202	26.1	8.6	8.5	22.8	22.8	92.2	92.1	6.6	6.6							
IM2	Misty	Moderate	11:57	6.6	Surface	1.0	0.2	191	26.0	26.0	8.2	8.2	24.0	24.2	88.3	88.2	6.3	6.3	6.2	5.0	4	4	819190	806234
						1.0	0.2	194	25.9	8.2	8.2	24.3	24.2	88.0	88.2	6.2	6.2							
					Middle	3.3	0.2	197	25.8	25.8	8.3	8.3	24.9	24.9	87.7	87.7	6.2	6.2	6.1	5.1	3	3		
						3.3	0.2	196	25.8	8.3	8.3	24.9	24.9	87.6	87.7	6.2	6.2							
					Bottom	5.6	0.1	192	26.2	26.3	8.3	8.2	25.0	24.9	87.4	87.5	6.1	6.1	6.3	6.1	3	2		
						5.6	0.2	190	26.3	8.2	8.2	24.9	24.9	87.5	87.5	6.1	6.1							
IM7	Misty	Moderate	12:21	8.0	Surface	1.0	0.3	145	26.2	26.2	8.2	8.2	20.7	20.7	88.4	88.3	6.4	6.4	6.3	3.3	4	3	821370	806836
						1.0	0.3	147	26.1	8.2	8.2	20.7	20.7	88.1	88.3	6.3	6.3							
					Middle	4.0	0.2	148	25.9	25.9	8.2	8.2	22.8	22.8	87.2	87.3	6.2	6.2	6.3	3.4	4	4		
						4.0	0.2	143	25.9	8.2	8.2	22.8	22.8	87.4	87.3	6.2	6.2							
					Bottom	7.0	0.3	155	26.4	26.5	8.2	8.2	22.9	22.9	88.3	88.5	6.3	6.3	6.3	4.4	4	5		
						7.0	0.3	149	26.6	8.2	8.2	22.8	22.9	88.6	88.5	6.3	6.3							

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**Water Quality Monitoring**

**Water Quality Monitoring Results on 30 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Cloudy	Moderate	12:31	8.2	Surface	1.0	0.5	113	25.8	25.8	7.9	7.9	22.5	22.5	89.1	89.1	6.4	6.4	3.9	4	4	822223	809834				
						1.0	0.4	106	25.7	25.8	7.9	7.9	22.6	22.5	89.0	89.1	6.4	6.4	4.1	4							
					Middle	4.1	0.4	98	25.5	25.5	7.9	7.9	25.7	25.7	88.7	88.8	6.3	6.4	4.5	4				2	4		
						4.1	0.5	93	25.5	25.5	7.9	7.9	25.7	25.7	88.8	88.8	6.3	6.4	4.5	4				4	4		
					Bottom	7.2	0.5	88	25.5	25.5	7.9	7.9	25.8	25.8	90.0	90.2	6.4	6.4	4.6	6.4				4.6	3	4	
						7.2	0.4	84	25.5	25.5	7.9	7.9	25.8	25.8	90.3	90.2	6.4	6.4	4.6	6.4				4.6	4	4	
IM11	Cloudy	Moderate	12:24	8.5	Surface	1.0	0.6	107	26.0	26.0	7.9	7.9	22.6	22.6	91.7	91.7	6.6	6.6	3.2	3	3	821495	810558				
						1.0	0.5	100	26.0	26.0	7.9	7.9	22.6	22.6	91.6	91.7	6.6	6.6	3.2	3							
					Middle	4.3	0.5	112	25.6	25.6	7.9	7.9	25.5	25.5	88.5	88.5	6.3	6.3	3.6	6.2				4.3	2	4	
						4.3	0.5	104	25.6	25.6	7.9	7.9	25.6	25.6	88.4	88.5	6.3	6.3	3.8	6.2				4.3	4	4	
					Bottom	7.5	0.6	112	25.5	25.5	7.9	7.9	26.1	26.1	87.7	87.7	6.2	6.2	5.8	6.2				6.2	3	4	
						7.5	0.6	118	25.5	25.5	7.9	7.9	26.1	26.1	87.7	87.7	6.2	6.2	6.0	6.2				6.2	4	4	
IM12	Cloudy	Moderate	12:17	9.2	Surface	1.0	0.5	89	25.8	25.8	7.9	7.9	24.9	24.9	92.3	92.3	6.5	6.5	3.3	4	4	821177	811510				
						1.0	0.6	88	25.8	25.8	7.9	7.9	24.9	24.9	92.3	92.3	6.5	6.5	3.3	4							
					Middle	4.6	0.6	119	25.3	25.3	7.9	7.9	26.6	26.6	87.0	87.0	6.2	6.2	4.7	6.2				4.5	4	4	
						4.6	0.6	115	25.3	25.3	7.9	7.9	26.6	26.6	87.0	87.0	6.2	6.2	4.7	6.2				4.7	4	4	
					Bottom	8.2	0.6	106	25.2	25.2	7.9	7.9	27.1	27.1	87.1	87.1	6.2	6.2	5.2	6.2				6.2	5	4	
						8.2	0.6	99	25.2	25.2	7.9	7.9	27.1	27.1	87.1	87.1	6.2	6.2	5.7	6.2				6.2	5	4	
SR1A	Cloudy	Moderate	11:50	5.4	Surface	1.0	0.0	60	25.4	25.4	7.9	7.9	24.9	25.0	88.7	88.7	6.3	6.3	7.2	4	4	819979	812665				
						1.0	0.0	60	25.3	25.4	7.9	7.9	25.0	25.0	88.7	88.7	6.3	6.3	7.6	4							
					Middle	2.7	0.1	41	-	-	-	-	-	-	-	-	-	-	-	-				-	9.1	-	4
						2.7	0.0	37	-	-	-	-	-	-	-	-	-	-	-	-				-	9.1	-	4
					Bottom	4.4	-	69	25.2	25.2	7.9	7.9	27.2	27.2	90.0	90.2	6.4	6.4	10.6	6.4				6.4	4	4	
						4.4	0.0	61	25.2	25.2	7.9	7.9	27.2	27.2	90.3	90.2	6.4	6.4	11.1	6.4				6.4	3	4	
SR2	Cloudy	Moderate	11:36	4.6	Surface	1.0	0.2	53	25.5	25.5	7.9	7.9	25.6	25.6	91.1	90.9	6.5	6.4	2.2	4	4	821473	814154				
						1.0	0.2	49	25.5	25.5	7.9	7.9	25.6	25.6	90.6	90.9	6.4	6.4	2.2	6.5				4.4	3		
					Middle	-	0.2	34	-	-	-	-	-	-	-	-	-	-	-	-				-	6.5	-	4
						-	0.2	41	-	-	-	-	-	-	-	-	-	-	-	-				-	6.5	-	4
					Bottom	3.6	0.2	38	25.0	25.0	7.9	7.9	27.8	27.8	89.7	89.8	6.3	6.3	6.6	6.3				6.3	5	4	
						3.6	0.3	39	25.0	25.0	7.9	7.9	27.8	27.8	89.9	89.8	6.3	6.3	6.5	6.3				6.3	4	4	
SR3	Misty	Moderate	12:27	8.8	Surface	1.0	0.4	147	26.1	26.1	8.3	8.3	21.4	21.2	83.0	82.8	6.0	5.9	2.6	5	4	822135	807592				
						1.0	0.4	141	26.1	26.1	8.3	8.3	21.1	21.2	82.5	82.8	5.9	5.9	2.6	6.1				4			
					Middle	4.4	0.5	136	26.0	26.0	8.3	8.3	22.8	22.9	81.9	82.0	5.9	5.9	4.0	6.1				4.0	4	4	
						4.4	0.5	132	26.0	26.0	8.3	8.3	22.9	22.9	82.1	82.0	5.9	5.9	4.1	6.1				4.1	4	4	
					Bottom	7.8	0.5	158	26.1	26.1	8.3	8.3	23.3	23.2	84.9	85.3	6.0	6.0	5.3	6.1				6.1	3	4	
						7.8	0.5	163	26.1	26.1	8.3	8.3	23.1	23.2	85.7	85.3	6.1	6.1	5.5	6.1				6.1	4	4	
SR4A	Misty	Moderate	11:13	9.0	Surface	1.0	0.1	93	26.1	26.1	8.3	8.3	20.0	20.0	92.2	92.1	6.7	6.7	1.8	3	4	817205	807789				
						1.0	0.1	86	26.1	26.1	8.3	8.3	20.0	20.0	91.9	92.1	6.7	6.7	2.0	6.6				2.4	4		
					Middle	4.5	-	114	26.0	26.0	8.4	8.4	22.1	22.1	90.0	90.0	6.4	6.4	2.3	6.5				6.5	4	4	
						4.5	0.0	106	26.0	26.0	8.4	8.4	22.2	22.2	89.9	90.0	6.4	6.4	3.1	6.5				6.5	4	4	
					Bottom	8.0	0.1	114	26.0	26.0	8.4	8.4	22.3	22.2	90.7	91.0	6.5	6.5	3.1	6.5				6.5	4	4	
						8.0	0.0	119	26.0	26.0	8.5	8.4	22.1	22.2	91.2	91.0	6.5	6.5	3.0	6.5				6.5	4	4	
SR8	Cloudy	Moderate	12:12	4.8	Surface	1.0	-	-	26.0	26.0	8.0	8.0	25.9	25.9	90.3	90.3	6.3	6.3	5.5	5	5	820370	811634				
						1.0	-	-	26.0	26.0	8.0	8.0	25.9	25.9	90.3	90.3	6.3	6.3	5.4	6.3				6.3	5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	6.3	-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	6.3	-	4
					Bottom	3.8	-	-	25.4	25.4	8.0	8.0	26.5	26.5	83.6	83.6	5.9	5.9	5.3	5.9				5.9	6	5	
						3.8	-	-	25.4	25.4	8.0	8.0	26.5	26.5	83.5	83.5	5.9	5.9	5.4	5.9				5.9	5	5	

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**

Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022.

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 30 April 22 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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Misty	Moderate	18:51	8.4	Surface	1.0	0.3	43	26.2	26.2	8.3	8.3	22.0	22.0	97.9	97.9	7.0	6.9	1.1	2.1	4	4	815597	804254
						1.0	0.4	45	26.2	8.3	8.3	22.0	22.0	97.8	97.9	7.0	6.9	1.2	2.1	3	4			
					Middle	4.2	0.3	42	24.5	24.5	8.4	8.3	27.6	27.5	93.5	93.4	6.7	6.6	2.1	3.1	4	4		
						4.2	0.3	34	24.4	24.3	8.3	8.3	27.4	27.5	93.3	93.3	6.7	6.6	2.2	3.1	4	4		
					Bottom	7.4	0.3	20	24.3	24.3	8.3	8.3	30.1	30.1	93.2	93.3	6.6	6.6	3.1	3.1	4	4		
						7.4	0.4	19	24.3	24.3	8.3	8.3	30.0	30.1	93.4	93.3	6.6	6.6	3.1	3.1	5	4		
C2	Misty	Moderate	17:38	10.0	Surface	1.0	0.1	202	26.0	26.0	8.3	8.3	22.2	22.2	90.8	90.8	6.5	6.3	2.1	3.1	3	3	825688	806937
						1.0	0.1	197	26.0	26.0	8.3	8.3	22.2	22.2	90.8	90.8	6.5	6.3	2.2	3.1	4	3		
					Middle	5.0	0.1	199	25.7	25.7	8.3	8.3	24.2	24.2	86.2	86.1	6.1	6.1	3.1	3.1	3	2		
						5.0	0.1	192	25.7	26.0	8.3	8.3	24.2	24.7	85.9	85.8	6.1	6.1	3.2	4.1	2	3		
					Bottom	9.0	0.1	194	25.9	26.0	8.3	8.3	24.7	24.7	85.2	85.8	6.0	6.1	4.1	4.0	3	2		
						9.0	0.0	194	26.0	26.0	8.3	8.3	24.7	24.7	86.3	85.8	6.1	6.1	4.0	4.0	2	2		
C3	Fine	Moderate	18:53	11.2	Surface	1.0	0.5	259	25.5	25.5	8.0	8.0	27.0	27.1	95.4	95.3	6.7	6.7	2.4	3.2	4	3	822119	817813
						1.0	0.5	260	25.5	25.5	8.0	8.0	27.2	27.1	95.2	95.3	6.7	6.7	2.4	3.2	5	2		
					Middle	5.6	0.5	275	25.1	25.1	8.0	8.0	28.3	28.3	93.4	93.3	6.6	6.6	3.1	4.0	3	2		
						5.6	0.5	274	25.1	24.5	8.0	8.0	28.3	30.4	93.2	90.4	6.6	6.3	3.3	4.1	2	3		
					Bottom	10.2	0.5	261	24.5	24.5	8.0	8.0	30.4	30.4	90.3	90.4	6.3	6.3	4.0	4.1	2	3		
						10.2	0.5	266	24.5	24.5	8.0	8.0	30.4	30.4	90.4	90.4	6.3	6.3	4.1	4.1	3	3		
IM1	Misty	Moderate	18:45	6.8	Surface	1.0	0.2	24	25.9	25.9	8.3	8.3	23.9	23.9	95.4	95.5	6.8	6.8	1.4	2.2	4	4	818354	806467
						1.0	0.2	23	25.8	25.7	8.3	8.3	24.0	24.2	95.5	94.6	6.8	6.7	1.6	2.1	3	4		
					Middle	3.4	0.1	15	25.7	25.7	8.3	8.3	24.2	24.2	94.7	94.6	6.7	6.7	2.1	2.1	3	4		
						3.4	0.1	9	25.7	24.6	8.3	8.3	24.2	29.2	94.4	93.4	6.7	6.6	2.1	3.0	4	4		
					Bottom	5.8	0.2	18	24.6	24.6	8.3	8.3	29.2	29.2	93.2	93.4	6.6	6.6	3.0	3.1	4	5		
						5.8	0.1	23	24.6	24.6	8.3	8.3	29.2	29.2	93.5	93.4	6.6	6.6	3.1	3.1	5	4		
IM2	Misty	Moderate	18:41	7.0	Surface	1.0	0.1	349	26.2	26.2	8.3	8.3	23.6	23.6	94.0	94.1	6.7	6.7	3.1	5.4	3	4	819191	806224
						1.0	0.1	344	26.2	24.6	8.4	8.4	23.6	28.8	94.1	93.2	6.7	6.6	3.2	5.9	3	4		
					Middle	3.5	0.1	8	24.6	24.6	8.4	8.4	28.7	28.8	93.3	93.2	6.6	6.6	5.9	5.8	4	4		
						3.5	0.1	2	24.6	24.5	8.4	8.4	28.8	29.3	93.1	93.0	6.6	6.6	5.8	7.2	4	5		
					Bottom	6.0	0.1	9	24.5	24.5	8.4	8.4	29.3	29.3	92.9	93.0	6.6	6.6	7.2	7.1	5	4		
						6.0	0.2	5	24.5	24.5	8.4	8.4	29.3	29.3	93.1	93.0	6.6	6.6	7.1	7.1	4	4		
IM7	Misty	Moderate	18:24	7.4	Surface	1.0	0.2	283	26.0	26.0	8.4	8.4	23.2	23.3	87.9	87.9	6.3	6.3	2.9	4.1	4	4	821354	806842
						1.0	0.2	286	26.0	26.0	8.4	8.4	23.3	23.4	87.9	88.6	6.3	6.3	3.0	4.2	5	4		
					Middle	3.7	0.2	277	25.9	26.0	8.4	8.4	23.5	23.4	88.4	88.6	6.3	6.3	4.2	4.2	5	4		
						3.7	0.2	273	26.0	26.0	8.4	8.4	23.4	23.5	88.7	90.5	6.3	6.5	4.2	5.0	4	3		
					Bottom	6.4	0.2	281	26.0	26.0	8.4	8.4	23.5	23.5	90.3	90.5	6.4	6.5	5.0	5.0	3	3		
						6.4	0.2	281	26.0	26.0	8.4	8.4	23.5	23.5	90.7	90.5	6.5	6.5	5.0	5.0	3	3		

DA: Depth-Averaged

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

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

Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022.

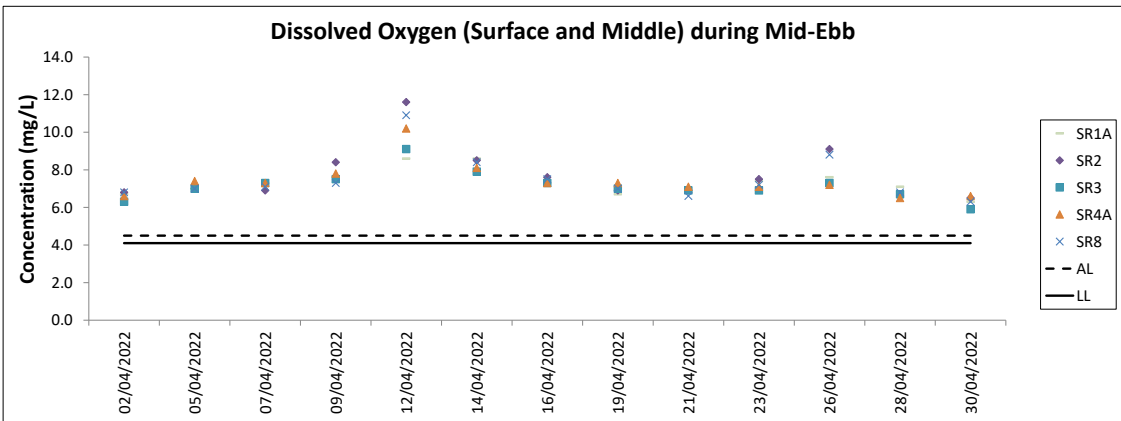
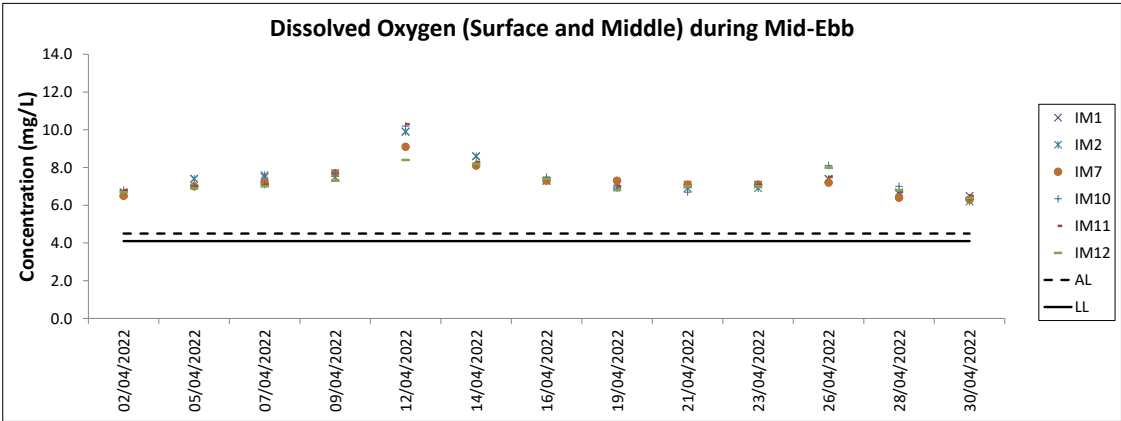
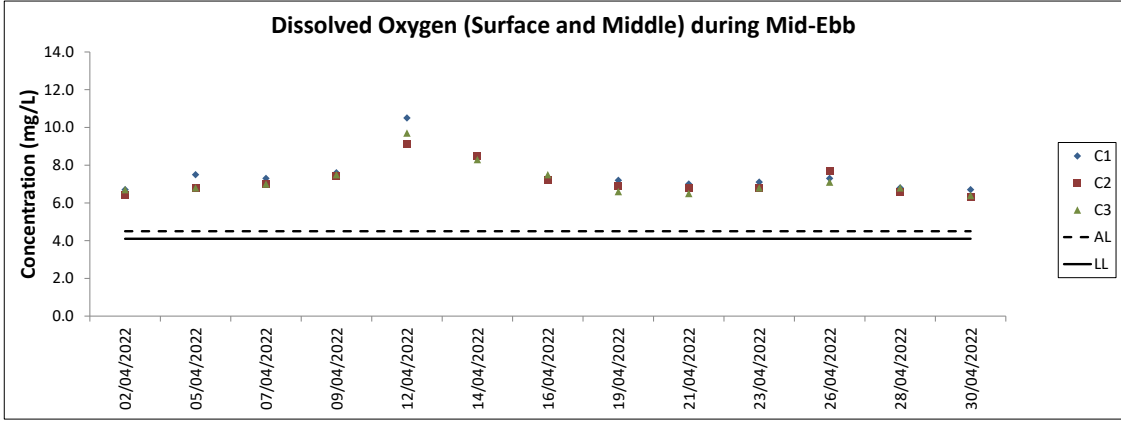
Expansion of Hong Kong International Airport into a Three-Runway System

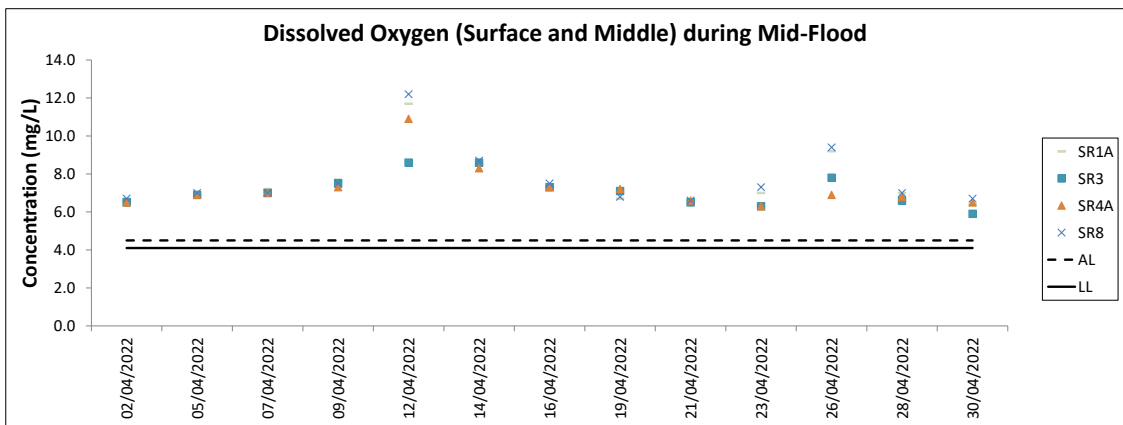
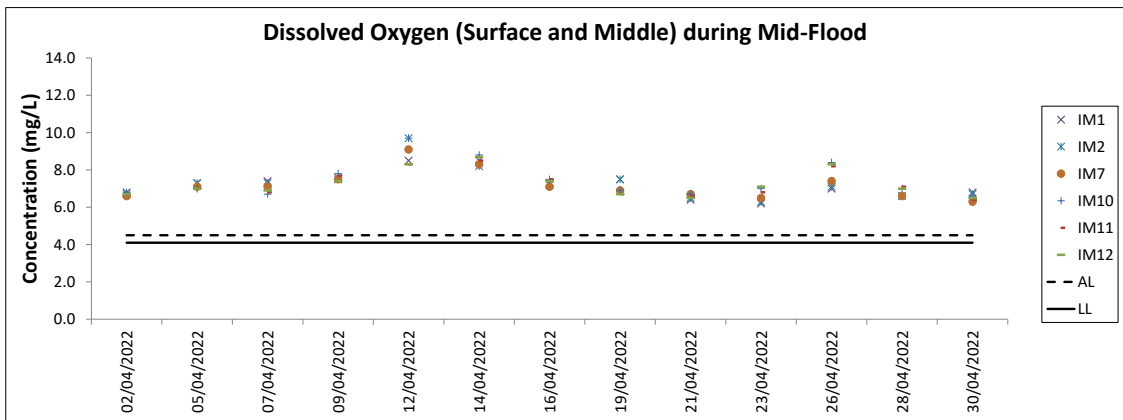
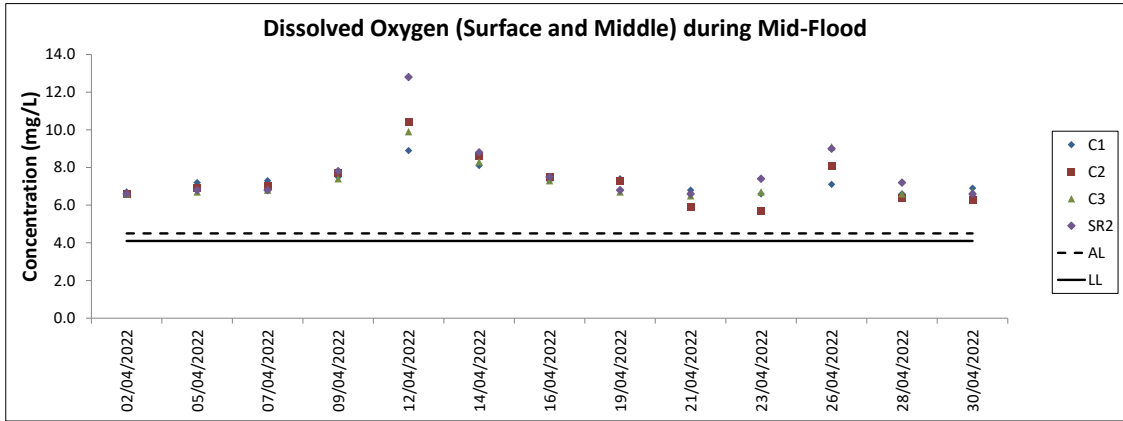
Water Quality Monitoring

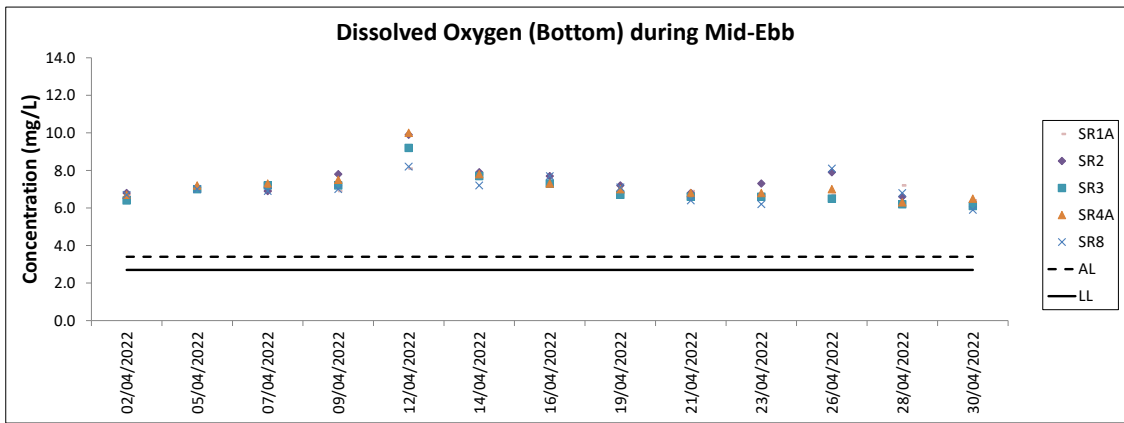
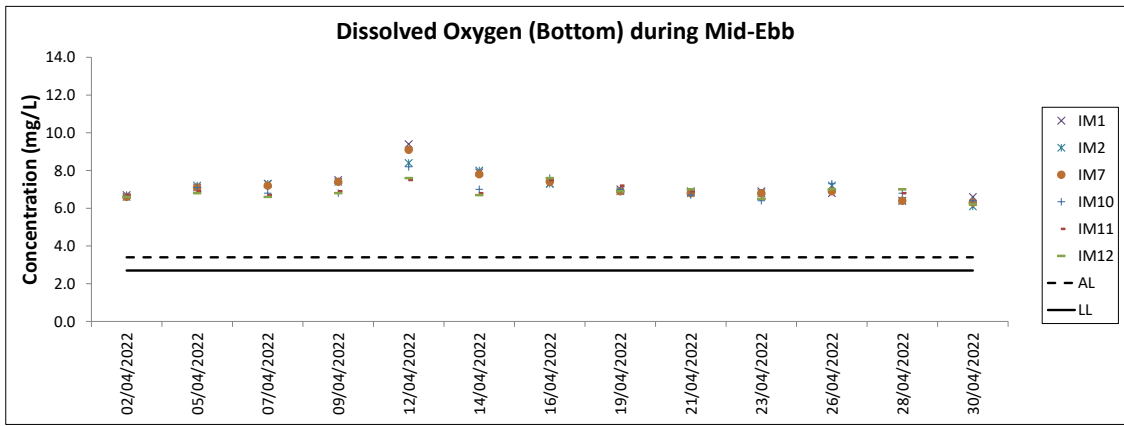
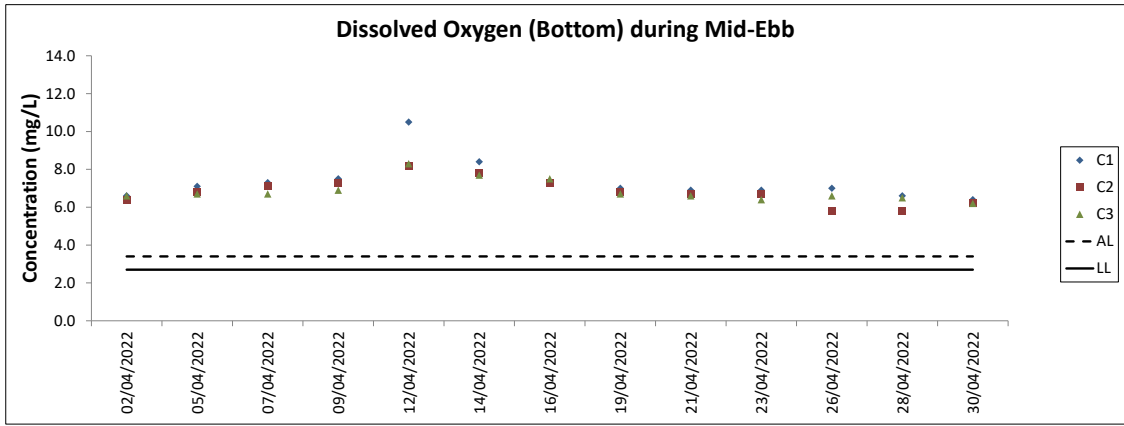
Water Quality Monitoring Results on **30 April 22** during Mid-Flood Tide

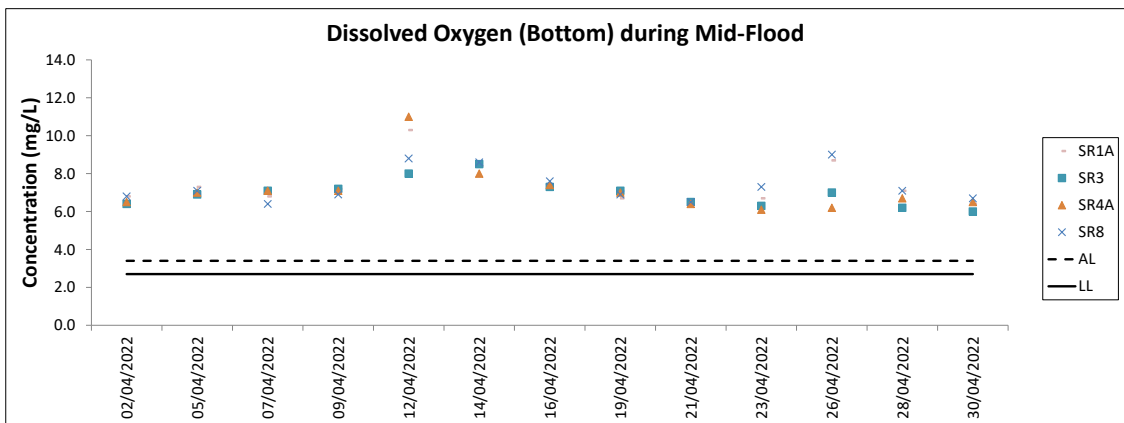
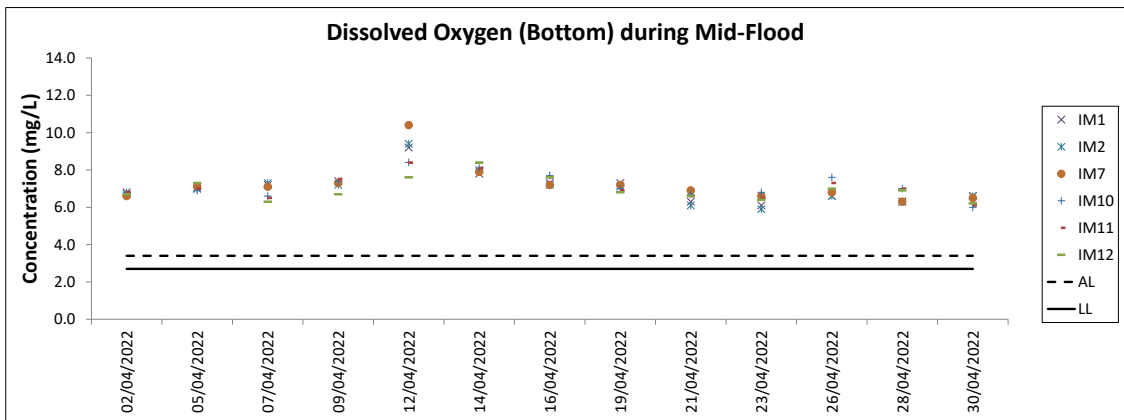
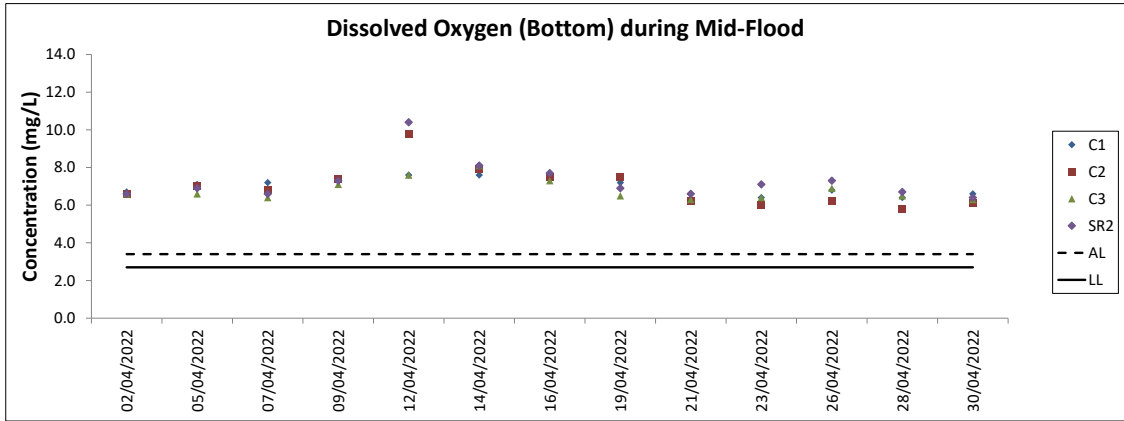
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
IM10	Fine	Moderate	17:29	8.3	Surface	1.0	0.2	226	26.1	26.1	8.0	8.0	22.3	22.3	94.1	94.1	6.7	6.6	2.8	5.0	3	3	822231	809852							
						1.0	0.2	226	26.1		8.0	8.0	22.3	22.3	94.1	94.1	6.7		2.8		4										
					Middle	4.2	0.2	231	25.5	25.5	8.0	8.0	24.5	24.6	89.6	89.6	6.4	6.0	5.6	6.0	6.4				6.0	4	6.0	6.4	6.0		
						4.2	0.2	225	25.4		8.0	8.0	24.6	24.6	89.6	89.6	6.4		5.9		3										
					Bottom	7.3	0.1	232	25.1	25.1	8.0	8.0	27.3	27.4	84.7	84.7	6.0	6.0	6.4	6.0	6.0				6.0	6.4	6.0	3	6.0	6.4	6.0
						7.3	0.1	239	25.0		8.0	8.0	27.4	27.4	84.6	84.6	6.0		6.5		2										
IM11	Fine	Moderate	17:46	8.6	Surface	1.0	0.3	259	25.9	25.9	7.9	7.9	23.1	23.1	92.0	92.0	6.6	6.4	3.2	6.0	7	5	821489	810554							
						1.0	0.3	253	25.9		7.9	7.9	23.1	23.1	92.0	92.0	6.6		3.3		6										
					Middle	4.3	0.4	262	25.4	25.4	7.9	7.9	26.1	26.1	85.8	85.7	6.1	6.1	7.3	6.1	6.1				6.1	7.4	6.1	7.2	6.1	7.3	6.1
						4.3	0.4	259	25.4		7.9	7.9	26.2	26.7	85.6	85.7	6.1		7.4		4										
					Bottom	7.6	0.4	266	25.3	25.3	7.9	7.9	26.7	26.7	85.7	85.8	6.1	6.1	7.2	6.1	6.1				6.1	7.2	6.1	2	6.1	7.3	6.1
						7.6	0.4	264	25.3		7.9	7.9	26.7	26.7	85.8	85.8	6.1		7.3		4										
IM12	Fine	Moderate	17:53	8.6	Surface	1.0	0.3	264	25.9	25.9	7.9	7.9	23.5	23.5	92.1	92.1	6.6	6.5	3.4	4.5	2	4	821160	811507							
						1.0	0.3	259	25.9		7.9	7.9	23.5	23.5	92.0	92.0	6.6		3.4		3										
					Middle	4.3	0.4	265	25.5	25.5	7.9	7.9	25.3	25.3	88.1	88.0	6.3	6.3	4.3	6.3	6.3				6.3	4.5	6.3	5.5	6.3	6.2	6.2
						4.3	0.4	261	25.4		7.9	7.9	25.3	25.3	87.9	87.6	6.2		4.5		4										
					Bottom	7.6	0.3	271	25.1	25.1	7.9	7.9	27.3	27.3	87.6	87.7	6.2	6.2	5.5	6.2	6.2				6.2	5.5	6.2	5	6.2	6.2	6.2
						7.6	0.3	275	25.1		7.9	7.9	27.3	27.3	87.7	87.7	6.2		5.8		5										
SR1A	Fine	Moderate	18:21	5.4	Surface	1.0	0.0	186	25.8	25.8	7.9	7.9	25.1	25.2	90.1	90.0	6.4	6.4	3.7	3.9	2	3	819976	812666							
						1.0	0.0	181	25.8		7.9	7.9	25.3	25.2	89.9	90.0	6.4		3.7		2										
					Middle	2.7	0.0	203	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
						2.7	0.1	207	-		-	-	-	-	-	-	-		-		-					-		-			
					Bottom	4.4	0.0	207	25.6	25.6	7.9	7.9	26.3	26.3	90.3	90.4	6.4	6.4	4.1	6.4	6.4				6.4	4.1	6.4	3	6.4	4.1	3
						4.4	0.1	212	25.6		7.9	7.9	26.3	26.3	90.5	90.4	6.4		4.1		3										
SR2	Fine	Moderate	18:35	5.0	Surface	1.0	0.1	259	26.0	26.0	7.9	7.9	23.8	23.8	92.2	92.2	6.6	6.6	2.9	3.1	3	3	821467	814182							
						1.0	0.1	262	25.9		7.9	7.9	23.8	23.8	92.1	92.2	6.5		2.9		2										
					Middle	-	0.0	270	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	
						-	0.0	276	-		-	-	-	-	-	-	-		-		-										
					Bottom	4.0	0.1	261	25.3	25.3	7.9	7.9	26.6	26.6	90.8	90.9	6.4	6.4	3.3	6.4	6.4				6.4	3.3	6.4	4	6.4	3.4	3
						4.0	0.0	265	25.3		7.9	7.9	26.6	26.6	91.0	90.9	6.4		3.4		3										
SR3	Misty	Moderate	18:19	8.6	Surface	1.0	0.1	291	25.9	25.9	8.4	8.4	22.6	22.6	81.8	81.9	5.9	5.9	2.4	3.6	3	4	822167	807562							
						1.0	0.1	297	25.9		8.4	8.4	22.6	22.6	81.9	81.9	5.9		2.5		4										
					Middle	4.3	0.1	288	25.8	25.8	8.4	8.4	24.1	24.2	82.6	82.8	5.9	6.0	3.3	6.0	5.9				6.0	3.4	6.0	5.0	6.0	4.9	
						4.3	0.1	284	25.8		8.4	8.4	24.2	24.6	82.9	84.6	6.0		3.4		4										
					Bottom	7.6	0.1	274	25.8	25.8	8.4	8.4	24.6	24.6	84.6	84.8	6.0	6.0	5.0	6.0	6.0				6.0	5.0	6.0	4	6.0	4.9	
						7.6	0.2	270	25.8		8.4	8.4	24.6	24.6	85.0	84.8	6.0		4.9		5										
SR4A	Misty	Moderate	19:07	9.0	Surface	1.0	0.0	199	25.7	25.7	8.3	8.3	22.6	22.7	93.7	93.5	6.7	6.5	2.0	3.2	4	4	817188	807803							
						1.0	0.1	197	25.6		8.3	8.3	22.7	22.7	93.3	93.3	6.7		2.1		5										
					Middle	4.5	0.0	190	25.3	25.3	8.3	8.3	26.3	26.4	89.6	89.8	6.3	6.5	3.1	6.5	6.3				6.5	3.2	6.5	4	6.5	4.4	
						4.5	0.0	186	25.3		8.3	8.3	26.4	26.8	89.9	89.9	6.4		3.2		4										
					Bottom	8.0	0.0	204	25.2	25.2	8.3	8.3	26.8	26.8	91.2	91.4	6.4	6.5	4.4	6.5	6.4				6.5	4.4	6.5	3	6.5	4.5	
						8.0	0.0	210	25.2		8.3	8.3	26.8	26.8	91.6	91.6	6.5		4.5		4										
SR8	Fine	Moderate	17:57	5.2	Surface	1.0	-	-	26.1	26.1	7.9	7.9	23.9	23.9	94.8	94.8	6.7	6.7	4.2	3.4	2	2	820376	811600							
						1.0	-	-	26.1		7.9	7.9	24.0	24.0	94.8	94.8	6.7		4.1		2										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-		
						-	-	-	-		-	-	-	-	-	-	-		-		-										
					Bottom	4.2	-	-	26.0	26.0	7.9	7.9	24.8	24.8	95.4	95.5	6.7	6.7	2.7	6.7	6.7				6.7	2.7	6.7	3	6.7	2.7	
						4.2	-	-	26.0		7.9	7.9	24.8	24.8	95.6	95.6	6.7		2.7		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**  
 Note: Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022.

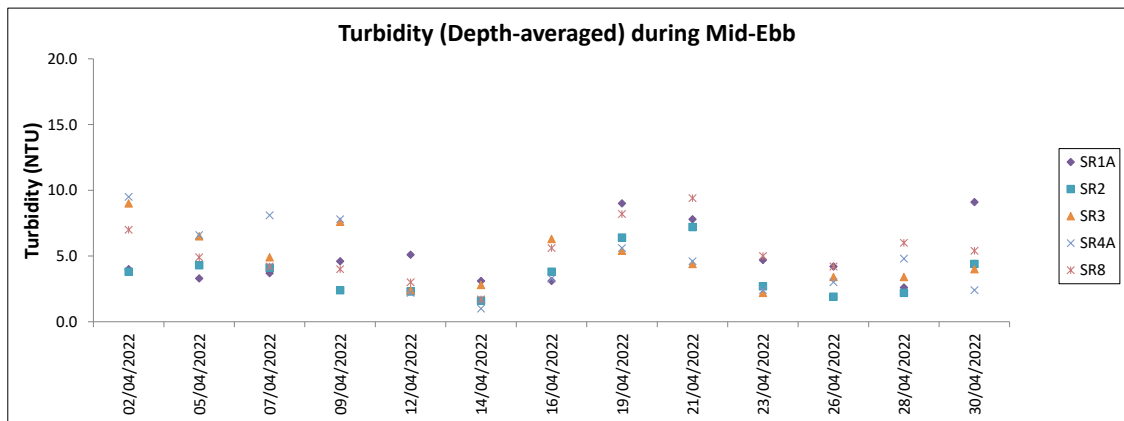
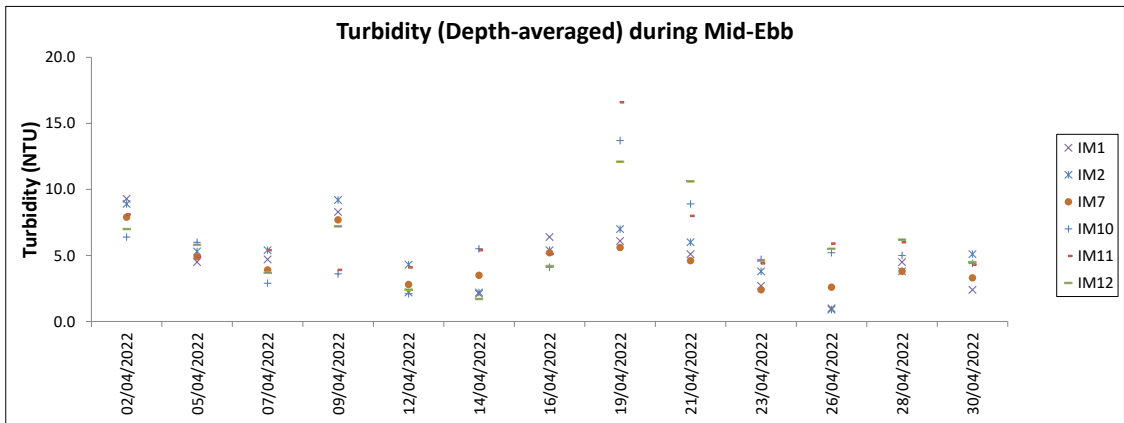
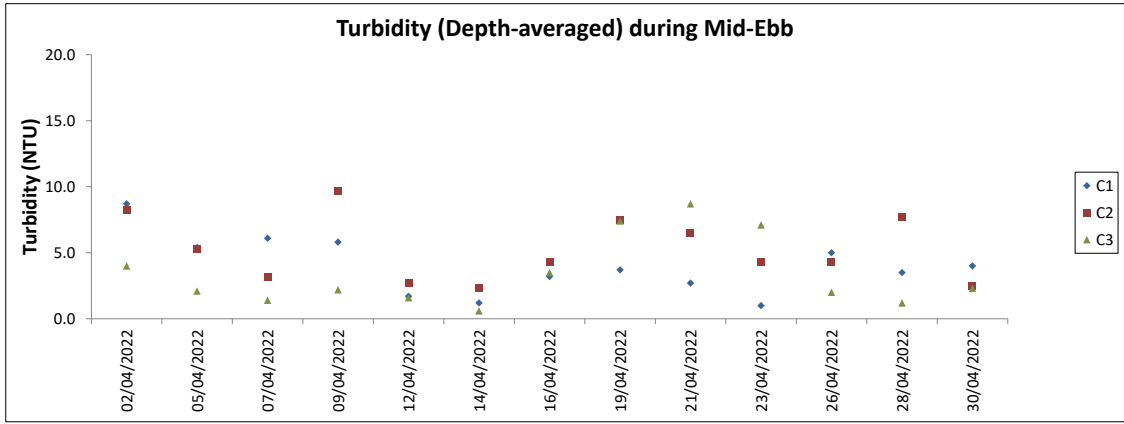




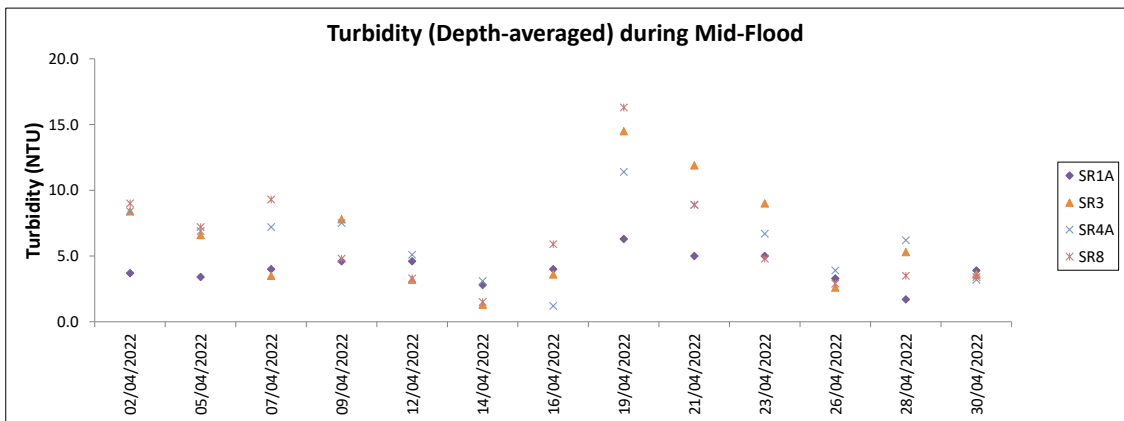
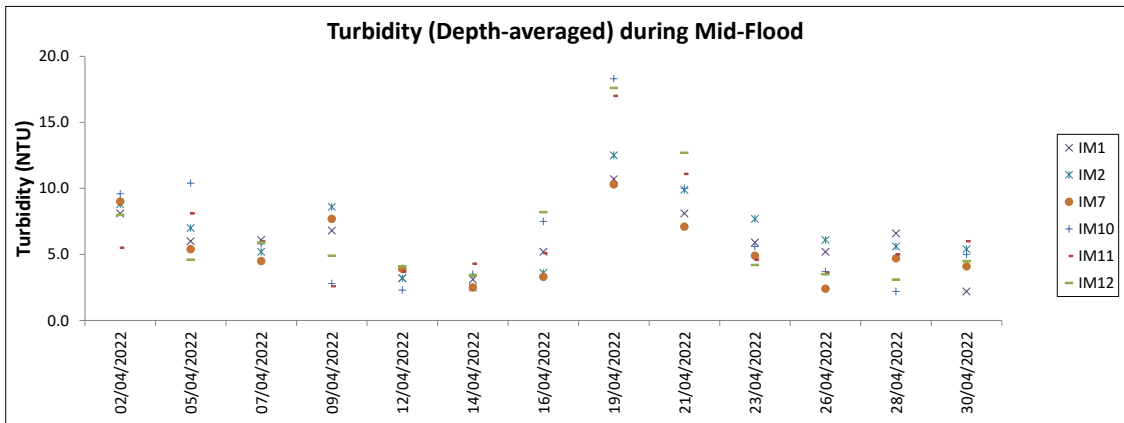
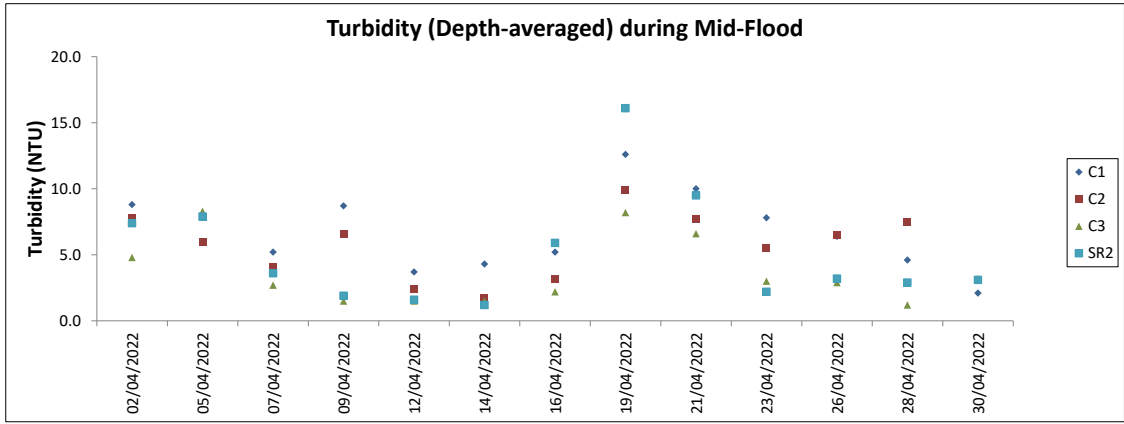




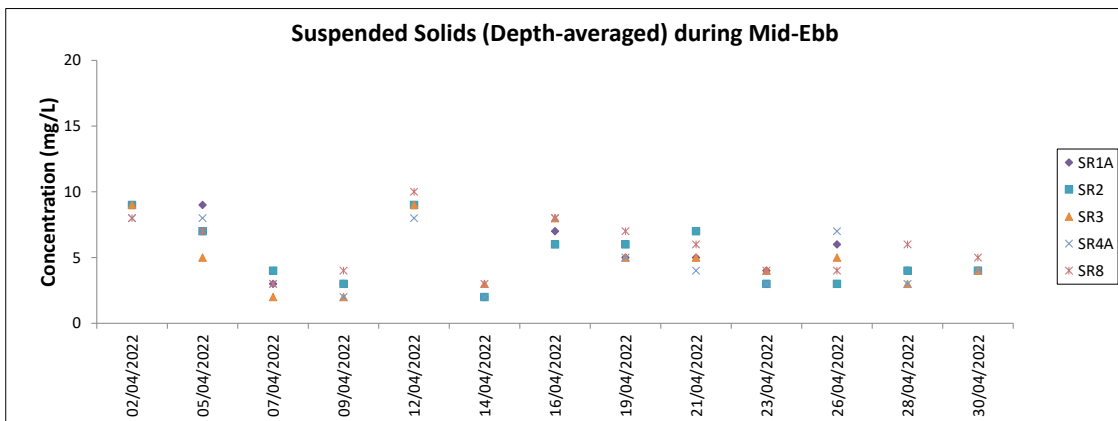
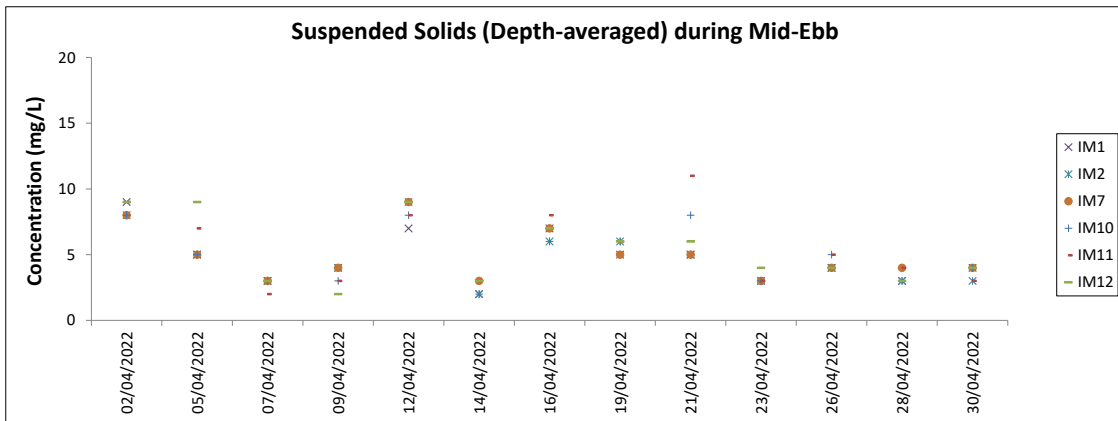
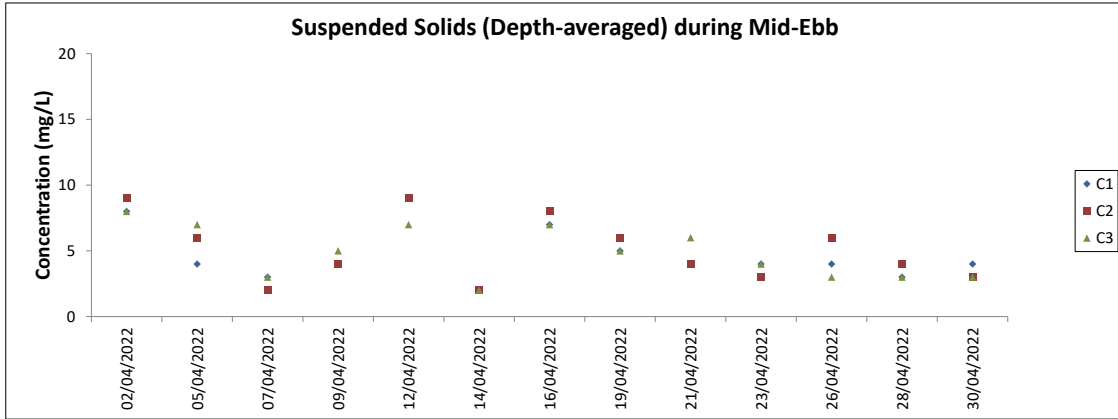




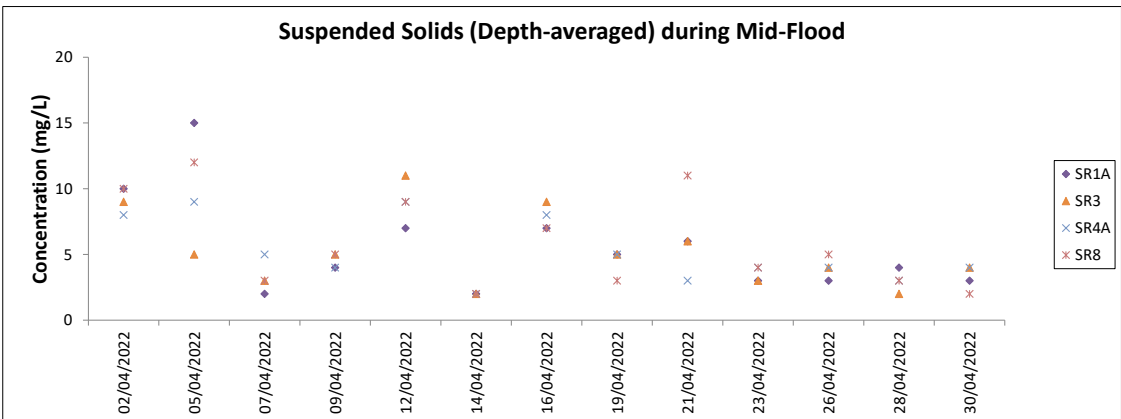
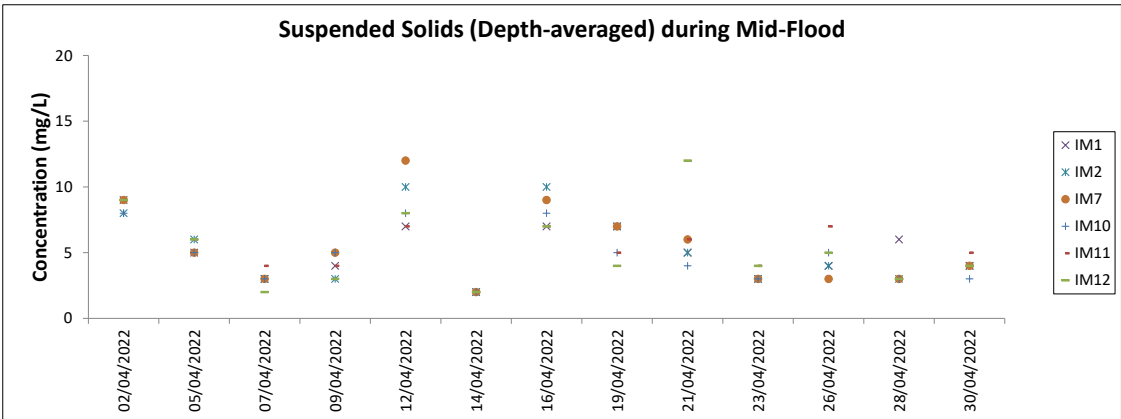
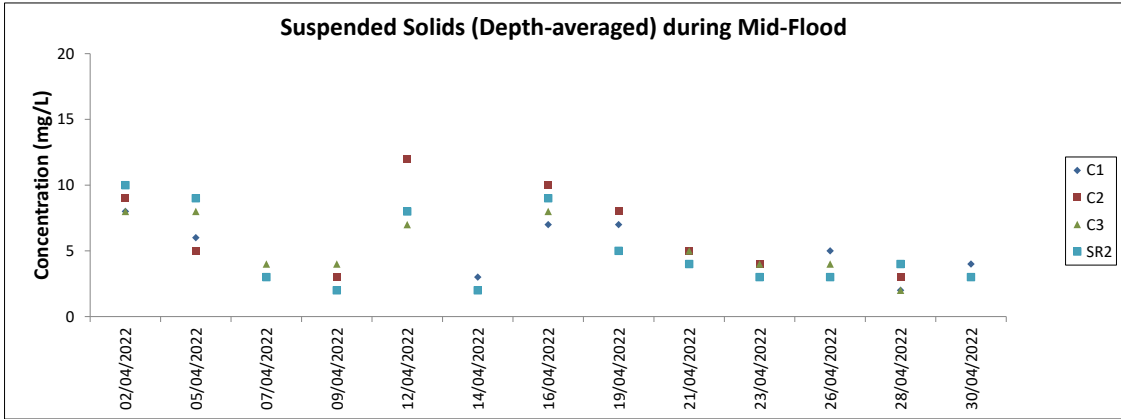
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



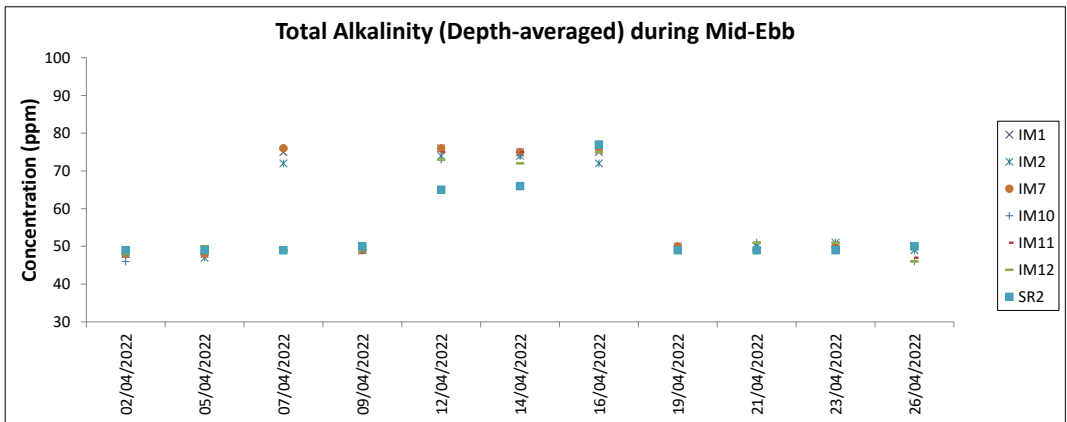
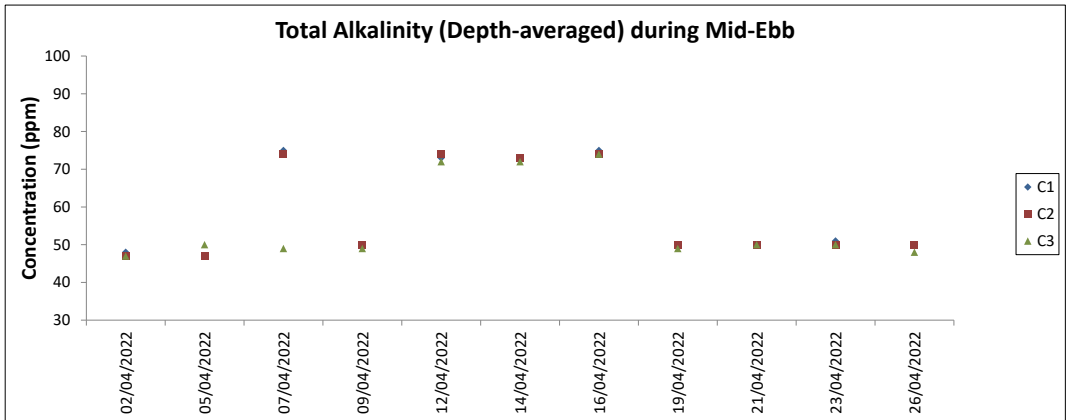
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



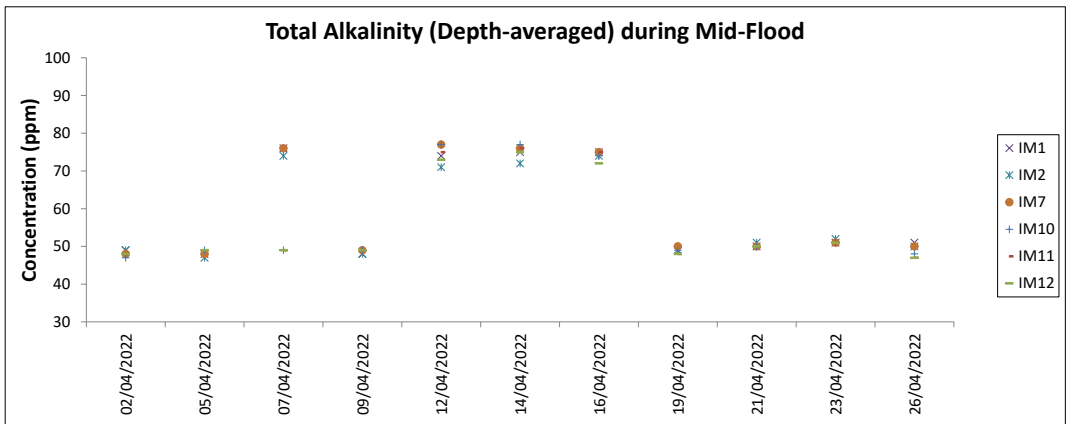
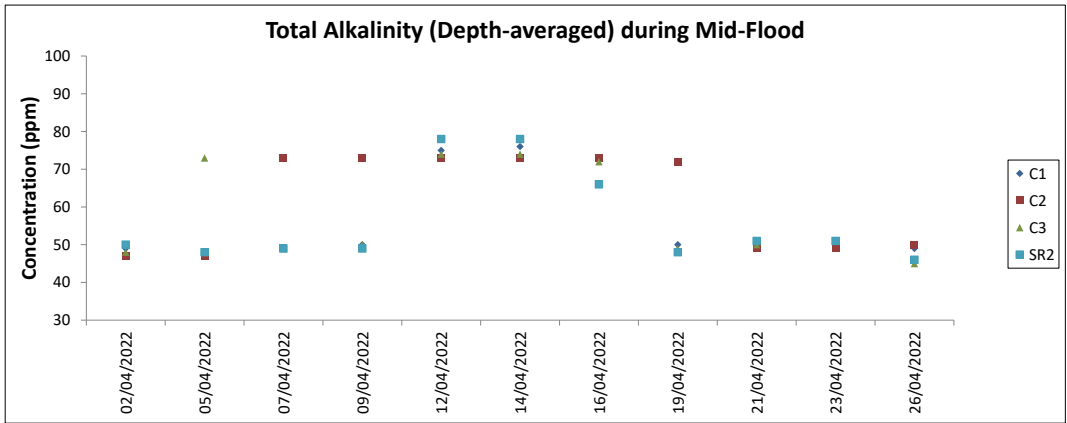
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



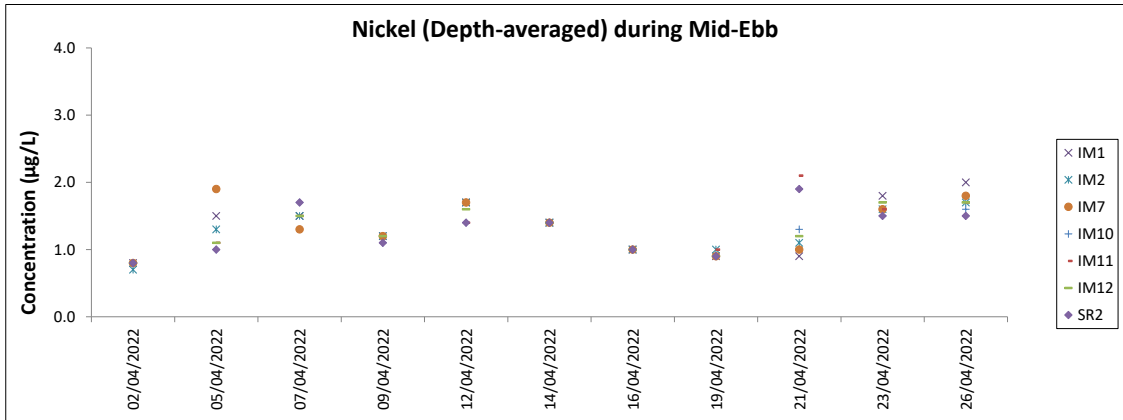
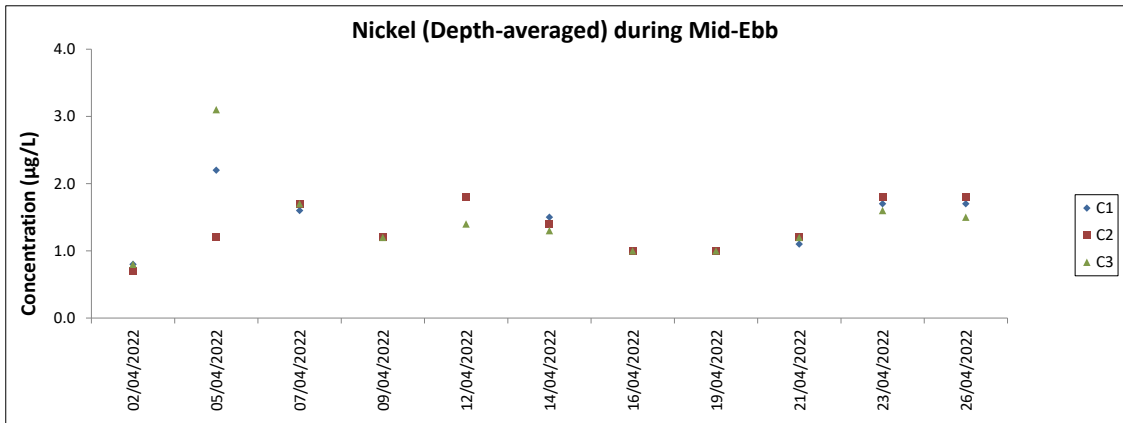
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.  
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.  
 Weather conditions during monitoring are presented in the data tables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



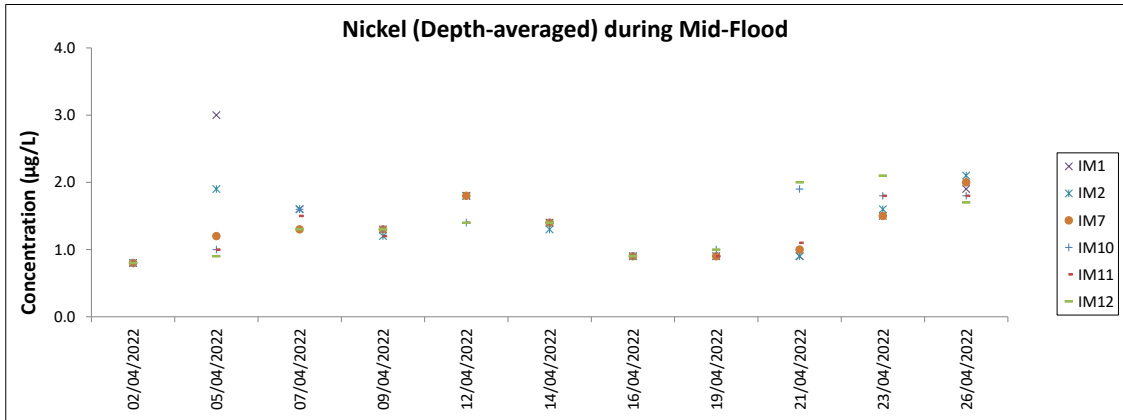
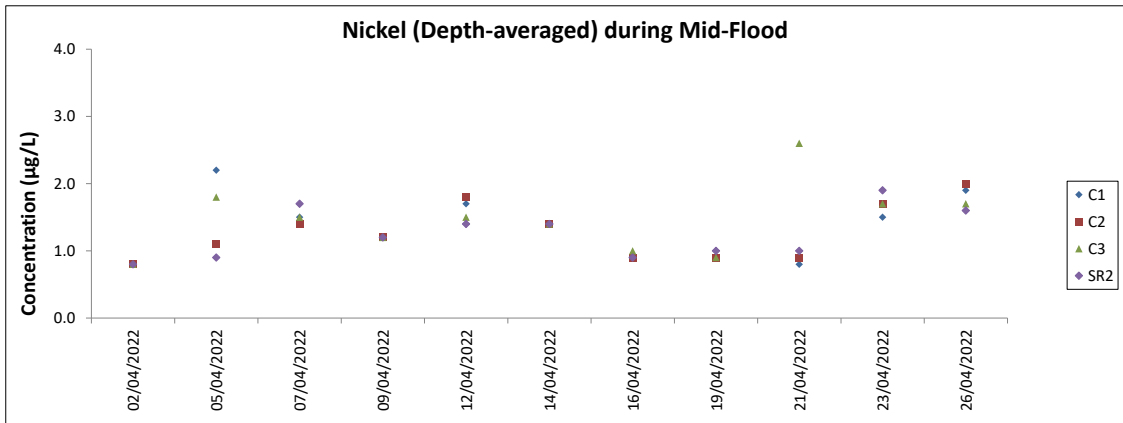
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.  
 Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022 and would be resumed if there are marine-based DCM works in the coming future.



Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.  
 Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022 and would be resumed if there are marine-based DCM works in the coming future.



Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.  
 Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022 and would be resumed if there are marine-based DCM works in the coming future.  
 All chromium results in the reporting period were 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.  
 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.  
 Due to the completion of all marine-based DCM works within April 2022, regular DCM monitoring was ceased at all monitoring stations starting from 28 April 2022 and would be resumed if there are marine-based DCM works in the coming future.  
 All chromium results in the reporting period were below the reporting limit 0.2 µg/L.



## **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
7-Feb-22	NEL	2	22.800	WINTER	32166	3RS ET	P
7-Feb-22	NEL	3	7.990	WINTER	32166	3RS ET	P
7-Feb-22	NEL	4	5.840	WINTER	32166	3RS ET	P
7-Feb-22	NEL	2	7.900	WINTER	32166	3RS ET	S
7-Feb-22	NEL	3	1.000	WINTER	32166	3RS ET	S
7-Feb-22	NEL	4	1.070	WINTER	32166	3RS ET	S
8-Feb-22	AW	3	4.930	WINTER	32166	3RS ET	P
8-Feb-22	WL	3	14.850	WINTER	32166	3RS ET	P
8-Feb-22	WL	4	5.800	WINTER	32166	3RS ET	P
8-Feb-22	WL	2	1.220	WINTER	32166	3RS ET	S
8-Feb-22	WL	3	7.030	WINTER	32166	3RS ET	S
8-Feb-22	WL	4	2.000	WINTER	32166	3RS ET	S
9-Feb-22	NWL	3	47.720	WINTER	32166	3RS ET	P
9-Feb-22	NWL	4	16.480	WINTER	32166	3RS ET	P
9-Feb-22	NWL	3	11.700	WINTER	32166	3RS ET	S
10-Feb-22	AW	2	4.770	WINTER	32166	3RS ET	P
10-Feb-22	WL	3	19.968	WINTER	32166	3RS ET	P
10-Feb-22	WL	3	9.014	WINTER	32166	3RS ET	S
14-Feb-22	NEL	2	33.240	WINTER	32166	3RS ET	P
14-Feb-22	NEL	3	3.440	WINTER	32166	3RS ET	P
14-Feb-22	NEL	2	9.120	WINTER	32166	3RS ET	S
14-Feb-22	NEL	3	1.200	WINTER	32166	3RS ET	S
15-Feb-22	NWL	2	48.350	WINTER	32166	3RS ET	P
15-Feb-22	NWL	3	14.780	WINTER	32166	3RS ET	P
15-Feb-22	NWL	2	7.770	WINTER	32166	3RS ET	S
15-Feb-22	NWL	3	3.400	WINTER	32166	3RS ET	S
2-Mar-22	SWL	1	19.328	WINTER	32166	3RS ET	P
2-Mar-22	SWL	2	26.443	WINTER	32166	3RS ET	P
2-Mar-22	SWL	3	4.330	WINTER	32166	3RS ET	P
2-Mar-22	SWL	1	5.230	WINTER	32166	3RS ET	S
2-Mar-22	SWL	2	10.819	WINTER	32166	3RS ET	S
2-Mar-22	SWL	3	1.616	WINTER	32166	3RS ET	S
4-Mar-22	SWL	1	3.665	WINTER	32166	3RS ET	P
4-Mar-22	SWL	2	12.934	WINTER	32166	3RS ET	P
4-Mar-22	SWL	3	31.502	WINTER	32166	3RS ET	P
4-Mar-22	SWL	2	3.628	WINTER	32166	3RS ET	S
4-Mar-22	SWL	3	11.733	WINTER	32166	3RS ET	S
7-Mar-22	NEL	2	14.130	SPRING	32166	3RS ET	P
7-Mar-22	NEL	3	19.300	SPRING	32166	3RS ET	P
7-Mar-22	NEL	2	4.270	SPRING	32166	3RS ET	S
7-Mar-22	NEL	3	6.300	SPRING	32166	3RS ET	S
8-Mar-22	NWL	2	32.300	SPRING	32166	3RS ET	P
8-Mar-22	NWL	3	23.320	SPRING	32166	3RS ET	P
8-Mar-22	NWL	2	6.840	SPRING	32166	3RS ET	S
8-Mar-22	NWL	3	3.140	SPRING	32166	3RS ET	S
11-Mar-22	AW	2	1.170	SPRING	32166	3RS ET	P
11-Mar-22	AW	3	3.550	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Mar-22	WL	2	14.610	SPRING	32166	3RS ET	P
11-Mar-22	WL	3	3.830	SPRING	32166	3RS ET	P
11-Mar-22	WL	2	9.470	SPRING	32166	3RS ET	S
14-Mar-22	SWL	2	24.960	SPRING	32166	3RS ET	P
14-Mar-22	SWL	3	29.540	SPRING	32166	3RS ET	P
14-Mar-22	SWL	2	4.000	SPRING	32166	3RS ET	S
14-Mar-22	SWL	3	8.950	SPRING	32166	3RS ET	S
15-Mar-22	AW	1	4.900	SPRING	32166	3RS ET	P
15-Mar-22	WL	2	10.915	SPRING	32166	3RS ET	P
15-Mar-22	WL	3	6.986	SPRING	32166	3RS ET	P
15-Mar-22	WL	2	5.325	SPRING	32166	3RS ET	S
15-Mar-22	WL	3	3.640	SPRING	32166	3RS ET	S
16-Mar-22	NEL	2	28.140	SPRING	32166	3RS ET	P
16-Mar-22	NEL	3	8.300	SPRING	32166	3RS ET	P
16-Mar-22	NEL	2	9.000	SPRING	32166	3RS ET	S
16-Mar-22	NEL	3	1.160	SPRING	32166	3RS ET	S
18-Mar-22	SWL	1	6.271	SPRING	32166	3RS ET	P
18-Mar-22	SWL	2	41.900	SPRING	32166	3RS ET	P
18-Mar-22	SWL	3	6.190	SPRING	32166	3RS ET	P
18-Mar-22	SWL	1	0.890	SPRING	32166	3RS ET	S
18-Mar-22	SWL	2	12.000	SPRING	32166	3RS ET	S
18-Mar-22	SWL	3	1.940	SPRING	32166	3RS ET	S
21-Mar-22	NWL	2	18.260	SPRING	32166	3RS ET	P
21-Mar-22	NWL	3	45.540	SPRING	32166	3RS ET	P
21-Mar-22	NWL	2	1.100	SPRING	32166	3RS ET	S
21-Mar-22	NWL	3	10.500	SPRING	32166	3RS ET	S
06-Apr-22	SWL	2	23.067	SPRING	32166	3RS ET	P
06-Apr-22	SWL	3	31.346	SPRING	32166	3RS ET	P
06-Apr-22	SWL	2	9.583	SPRING	32166	3RS ET	S
06-Apr-22	SWL	3	6.754	SPRING	32166	3RS ET	S
07-Apr-22	NWL	2	57.470	SPRING	32166	3RS ET	P
07-Apr-22	NWL	3	6.100	SPRING	32166	3RS ET	P
07-Apr-22	NWL	2	10.531	SPRING	32166	3RS ET	S
07-Apr-22	NWL	3	1.000	SPRING	32166	3RS ET	S
11-Apr-22	SWL	1	8.575	SPRING	32166	3RS ET	P
11-Apr-22	SWL	2	44.677	SPRING	32166	3RS ET	P
11-Apr-22	SWL	1	0.902	SPRING	32166	3RS ET	S
11-Apr-22	SWL	2	13.602	SPRING	32166	3RS ET	S
14-Apr-22	AW	3	4.910	SPRING	32166	3RS ET	P
14-Apr-22	WL	3	19.290	SPRING	32166	3RS ET	P
14-Apr-22	WL	3	9.650	SPRING	32166	3RS ET	S
19-Apr-22	NEL	2	23.100	SPRING	32166	3RS ET	P
19-Apr-22	NEL	3	14.150	SPRING	32166	3RS ET	P
19-Apr-22	NEL	2	4.100	SPRING	32166	3RS ET	S
19-Apr-22	NEL	3	5.850	SPRING	32166	3RS ET	S
20-Apr-22	NEL	2	37.370	SPRING	32166	3RS ET	P
20-Apr-22	NEL	2	9.830	SPRING	32166	3RS ET	S
22-Apr-22	WL	2	14.921	SPRING	32166	3RS ET	P
22-Apr-22	WL	3	3.677	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
22-Apr-22	WL	2	6.456	SPRING	32166	3RS ET	S
22-Apr-22	WL	3	4.163	SPRING	32166	3RS ET	S
22-Apr-22	AW	1	3.220	SPRING	32166	3RS ET	P
22-Apr-22	AW	2	1.590	SPRING	32166	3RS ET	P
27-Apr-22	NWL	1	4.250	SPRING	32166	3RS ET	P
27-Apr-22	NWL	2	32.750	SPRING	32166	3RS ET	P
27-Apr-22	NWL	3	24.650	SPRING	32166	3RS ET	P
27-Apr-22	NWL	4	1.000	SPRING	32166	3RS ET	P
27-Apr-22	NWL	2	6.100	SPRING	32166	3RS ET	S
27-Apr-22	NWL	3	5.840	SPRING	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only. The two vessel surveys of February in SWL survey area were rescheduled to early March (i.e., 2 and 4 March 2022) due to unavailability of vessel operators or suitable vessel during the rising impact of COVID-19 pandemic in the second half of February 2022.

## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
10-Feb-22	1	1102	CWD	9	WL	3	185	ON	3RS ET	22.2418	113.8301	WINTER	NONE	P
10-Feb-22	2	1119	CWD	1	WL	3	61	ON	3RS ET	22.2316	113.8319	WINTER	NONE	P
10-Feb-22	3	1134	CWD	4	WL	3	78	ON	3RS ET	22.2236	113.8286	WINTER	NONE	P
10-Feb-22	4	1157	CWD	2	WL	3	43	ON	3RS ET	22.2146	113.8308	WINTER	NONE	P
15-Feb-22	1	0950	CWD	3	NWL	2	97	ON	3RS ET	22.3634	113.8706	WINTER	NONE	P
15-Feb-22	2	1054	CWD	2	NWL	2	50	ON	3RS ET	22.3039	113.8778	WINTER	NONE	P
02-Mar-22	1	1023	FP	6	SWL	1	400	ON	3RS ET	22.2167	113.9352	WINTER	NONE	P
02-Mar-22	2	1034	FP	3	SWL	1	88	ON	3RS ET	22.1947	113.9360	WINTER	NONE	P
02-Mar-22	3	1040	FP	2	SWL	1	50	ON	3RS ET	22.1843	113.9360	WINTER	NONE	P
02-Mar-22	4	1112	FP	3	SWL	1	474	ON	3RS ET	22.1693	113.9277	WINTER	NONE	P
02-Mar-22	5	1132	FP	5	SWL	1	44	ON	3RS ET	22.2034	113.9187	WINTER	NONE	S
02-Mar-22	6	1154	FP	1	SWL	2	80	ON	3RS ET	22.1584	113.9175	WINTER	NONE	P
02-Mar-22	7	1204	FP	1	SWL	2	20	ON	3RS ET	22.1413	113.9154	WINTER	NONE	S
02-Mar-22	8	1213	FP	2	SWL	2	62	ON	3RS ET	22.1522	113.9082	WINTER	NONE	P
02-Mar-22	9	1217	FP	2	SWL	2	6	ON	3RS ET	22.1543	113.9050	WINTER	NONE	S
02-Mar-22	10	1310	FP	4	SWL	1	152	ON	3RS ET	22.1701	113.8969	WINTER	NONE	P
02-Mar-22	11	1316	FP	3	SWL	2	306	ON	3RS ET	22.1590	113.8973	WINTER	NONE	P
02-Mar-22	12	1318	FP	6	SWL	2	61	ON	3RS ET	22.1573	113.8974	WINTER	NONE	P
02-Mar-22	13	1328	FP	2	SWL	2	39	ON	3RS ET	22.1495	113.8906	WINTER	NONE	S
02-Mar-22	14	1335	FP	7	SWL	2	69	ON	3RS ET	22.1588	113.8882	WINTER	NONE	P
02-Mar-22	15	1346	FP	1	SWL	1	43	ON	3RS ET	22.1646	113.8883	WINTER	NONE	P
02-Mar-22	16	1427	FP	1	SWL	2	453	ON	3RS ET	22.1757	113.8791	WINTER	NONE	P
02-Mar-22	17	1429	FP	1	SWL	2	10	ON	3RS ET	22.1729	113.8786	WINTER	NONE	P
02-Mar-22	18	1434	FP	4	SWL	2	34	ON	3RS ET	22.1668	113.8789	WINTER	NONE	P
04-Mar-22	1	1025	FP	2	SWL	1	156	ON	3RS ET	22.2173	113.9361	WINTER	NONE	P
04-Mar-22	2	1028	FP	5	SWL	1	45	ON	3RS ET	22.2140	113.9361	WINTER	NONE	P
04-Mar-22	3	1035	FP	1	SWL	1	11	ON	3RS ET	22.2073	113.9362	WINTER	NONE	P
04-Mar-22	4	1042	FP	2	SWL	2	264	ON	3RS ET	22.1863	113.9362	WINTER	NONE	P
04-Mar-22	5	1215	FP	5	SWL	3	6	ON	3RS ET	22.1522	113.9075	WINTER	NONE	P
04-Mar-22	6	1229	FP	4	SWL	3	104	ON	3RS ET	22.1561	113.8999	WINTER	NONE	S
04-Mar-22	7	1329	FP	1	SWL	3	21	ON	3RS ET	22.1568	113.8976	WINTER	NONE	P
04-Mar-22	8	1405	FP	1	SWL	2	73	ON	3RS ET	22.2085	113.8882	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
04-Mar-22	9	1411	FP	3	SWL	2	80	ON	3RS ET	22.2114	113.8837	WINTER	NONE	S
04-Mar-22	10	1415	FP	2	SWL	2	102	ON	3RS ET	22.2081	113.8794	WINTER	NONE	S
04-Mar-22	11	1530	CWD	1	SWL	2	262	ON	3RS ET	22.1899	113.8495	WINTER	NONE	P
08-Mar-22	1	1029	CWD	4	NWL	3	58	ON	3RS ET	22.2918	113.8698	SPRING	NONE	P
11-Mar-22	1	1033	CWD	5	WL	2	202	ON	3RS ET	22.2610	113.8455	SPRING	NONE	P
11-Mar-22	2	1106	CWD	13	WL	2	794	ON	3RS ET	22.2418	113.8348	SPRING	NONE	P
14-Mar-22	1	1035	FP	3	SWL	2	19	ON	3RS ET	22.2002	113.9361	SPRING	NONE	P
14-Mar-22	2	1049	FP	5	SWL	2	128	ON	3RS ET	22.1731	113.9361	SPRING	NONE	P
14-Mar-22	3	1051	FP	3	SWL	2	447	ON	3RS ET	22.1716	113.9362	SPRING	NONE	P
14-Mar-22	4	1200	FP	2	SWL	2	99	ON	3RS ET	22.1569	113.9182	SPRING	NONE	P
14-Mar-22	5	1329	FP	2	SWL	3	474	ON	3RS ET	22.1609	113.8875	SPRING	NONE	P
14-Mar-22	6	1350	CWD	1	SWL	2	831	ON	3RS ET	22.2038	113.8873	SPRING	NONE	P
15-Mar-22	1	1112	CWD	5	WL	3	64	ON	3RS ET	22.2287	113.8376	SPRING	NONE	S
15-Mar-22	2	1128	CWD	2	WL	3	147	ON	3RS ET	22.2227	113.8344	SPRING	NONE	P
15-Mar-22	3	1145	CWD	11	WL	2	127	ON	3RS ET	22.2136	113.8277	SPRING	NONE	P
15-Mar-22	4	1221	CWD	3	WL	2	710	ON	3RS ET	22.2057	113.8362	SPRING	NONE	P
15-Mar-22	5	1248	CWD	3	WL	2	223	ON	3RS ET	22.1959	113.8378	SPRING	NONE	P
18-Mar-22	1	1037	FP	1	SWL	1	98	ON	3RS ET	22.2218	113.9362	SPRING	NONE	P
18-Mar-22	2	1054	FP	4	SWL	1	161	ON	3RS ET	22.1877	113.9367	SPRING	NONE	P
18-Mar-22	3	1101	FP	7	SWL	1	55	ON	3RS ET	22.1779	113.9365	SPRING	NONE	P
18-Mar-22	4	1107	FP	2	SWL	1	134	ON	3RS ET	22.1752	113.9369	SPRING	NONE	P
18-Mar-22	5	1152	FP	3	SWL	3	153	ON	3RS ET	22.1987	113.9275	SPRING	NONE	P
18-Mar-22	6	1236	FP	5	SWL	2	133	ON	3RS ET	22.1488	113.9084	SPRING	NONE	P
18-Mar-22	7	1245	FP	6	SWL	2	5	ON	3RS ET	22.1531	113.9089	SPRING	NONE	P
18-Mar-22	8	1344	FP	8	SWL	1	75	ON	3RS ET	22.2021	113.8975	SPRING	NONE	P
18-Mar-22	9	1355	FP	4	SWL	1	191	ON	3RS ET	22.1928	113.8965	SPRING	NONE	P
18-Mar-22	10	1429	FP	4	SWL	2	6	ON	3RS ET	22.1602	113.8880	SPRING	NONE	P
18-Mar-22	11	1436	FP	1	SWL	2	222	ON	3RS ET	22.1650	113.8882	SPRING	NONE	P
18-Mar-22	12	1439	FP	3	SWL	2	182	ON	3RS ET	22.1664	113.8885	SPRING	NONE	P
18-Mar-22	13	1446	FP	3	SWL	2	8	ON	3RS ET	22.1732	113.8877	SPRING	NONE	P
18-Mar-22	14	1454	FP	1	SWL	2	204	ON	3RS ET	22.1839	113.8878	SPRING	NONE	P
18-Mar-22	15	1512	FP	3	SWL	1	6	ON	3RS ET	22.2086	113.8800	SPRING	NONE	S
18-Mar-22	16	1541	FP	1	SWL	2	71	ON	3RS ET	22.1577	113.8783	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
18-Mar-22	17	1545	FP	1	SWL	2	39	ON	3RS ET	22.1585	113.8754	SPRING	NONE	S
18-Mar-22	18	1556	FP	1	SWL	2	46	ON	3RS ET	22.1719	113.8684	SPRING	NONE	P
06-Apr-22	1	1102	FP	2	SWL	2	114	ON	3RS ET	22.1544	113.9361	SPRING	NONE	P
06-Apr-22	2	1110	FP	1	SWL	2	24	ON	3RS ET	22.1434	113.9286	SPRING	NONE	S
06-Apr-22	3	1323	FP	2	SWL	3	385	ON	3RS ET	22.1544	113.8971	SPRING	NONE	P
06-Apr-22	4	1423	FP	4	SWL	3	4	ON	3RS ET	22.1604	113.8785	SPRING	NONE	P
07-Apr-22	1	1057	CWD	2	NWL	2	1080	ON	3RS ET	22.3097	113.8709	SPRING	NONE	S
07-Apr-22	2	1113	CWD	1	NWL	2	741	ON	3RS ET	22.3132	113.8695	SPRING	NONE	S
11-Apr-22	1	1043	FP	1	SWL	2	38	ON	3RS ET	22.1788	113.9359	SPRING	NONE	P
11-Apr-22	2	1112	FP	2	SWL	2	20	ON	3RS ET	22.1666	113.9277	SPRING	NONE	P
11-Apr-22	3	1212	FP	4	SWL	2	101	ON	3RS ET	22.1538	113.9075	SPRING	NONE	P
11-Apr-22	4	1315	FP	4	SWL	2	65	ON	3RS ET	22.1495	113.8975	SPRING	NONE	P
11-Apr-22	5	1318	FP	2	SWL	2	72	ON	3RS ET	22.1490	113.8956	SPRING	NONE	S
11-Apr-22	6	1403	FP	2	SWL	1	255	ON	3RS ET	22.1871	113.8777	SPRING	NONE	P
11-Apr-22	7	1407	FP	3	SWL	1	12	ON	3RS ET	22.1821	113.8777	SPRING	NONE	P
11-Apr-22	8	1409	FP	2	SWL	1	444	ON	3RS ET	22.1788	113.8782	SPRING	NONE	P
11-Apr-22	9	1417	FP	1	SWL	1	206	ON	3RS ET	22.1643	113.8781	SPRING	NONE	P
11-Apr-22	10	1425	FP	5	SWL	1	216	ON	3RS ET	22.1632	113.8686	SPRING	NONE	P
11-Apr-22	11	1428	FP	3	SWL	1	207	ON	3RS ET	22.1656	113.8687	SPRING	NONE	P
11-Apr-22	12	1436	FP	4	SWL	1	580	ON	3RS ET	22.1799	113.8684	SPRING	NONE	P
11-Apr-22	13	1455	FP	8	SWL	2	61	ON	3RS ET	22.1867	113.8586	SPRING	NONE	P
11-Apr-22	14	1501	FP	3	SWL	2	318	ON	3RS ET	22.1760	113.8590	SPRING	NONE	P
11-Apr-22	15	1514	FP	2	SWL	2	14	ON	3RS ET	22.1831	113.8492	SPRING	NONE	P
11-Apr-22	16	1519	CWD	1	SWL	2	207	ON	3RS ET	22.1914	113.8495	SPRING	NONE	P
14-Apr-22	1	1126	CWD	5	WL	3	77	ON	3RS ET	22.2320	113.8365	SPRING	NONE	P
14-Apr-22	2	1233	CWD	2	WL	3	521	ON	3RS ET	22.1968	113.8423	SPRING	NONE	P
22-Apr-22	1	1112	CWD	1	WL	2	174	ON	3RS ET	22.2325	113.8348	SPRING	NONE	P
22-Apr-22	2	1133	CWD	1	WL	2	729	ON	3RS ET	22.2289	113.8378	SPRING	NONE	S
22-Apr-22	3	1145	CWD	7	WL	2	575	ON	3RS ET	22.2242	113.8250	SPRING	NONE	P
27-Apr-22	1	1111	CWD	2	NWL	2	179	ON	3RS ET	22.3302	113.8781	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:

Two vessel surveys of February in SWL survey area were rescheduled to early March (i.e., 2 and 4 March 2022) due to unavailability of vessel operators or suitable vessel during the rising impact of COVID-19 pandemic in the second half of February 2022.

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 449.474 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 9 on-effort sightings and total number of 22 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in April 2022 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in April 2022

$$STG = \frac{9}{449.474} \times 100 = 2.00$$

Encounter Rate by Number of Dolphins (ANI) in April 2022

$$ANI = \frac{22}{449.474} \times 100 = 4.89$$

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

A total of 1295.531 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 25 on-effort sightings and total number of 91 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)

$$STG = \frac{25}{1295.531} \times 100 = 1.93$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)




$$ANI = \frac{91}{1295.531} \times 100 = 7.02$$



CWD Small Vessel Line-transect Survey

Photo Identification

	
WLMM043_20220407_1_4	SLMM060_20220411_16_5
	
SLMM037_20220414_2_5	NLMM055_20220422_3_8
	
SLMM025_20220422_3_4	SLMM052_20220422_3_1
	
WLMM001_20220422_3_1	WLMM056_20220422_3_8

	
<p>WLMM080_20220422_3_5</p>	<p>NLMM052_20220427_1_7</p>
	
<p>NLMM085_20220427_1_4</p>	

**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>
20-Apr-22	Lung Kwu Chau	8:50	14:50	6:00	2	3	0	-
21-Apr-22	Sha Chau	10:50	16:50	6:00	2	3	0	-

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