

## **Appendix D. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

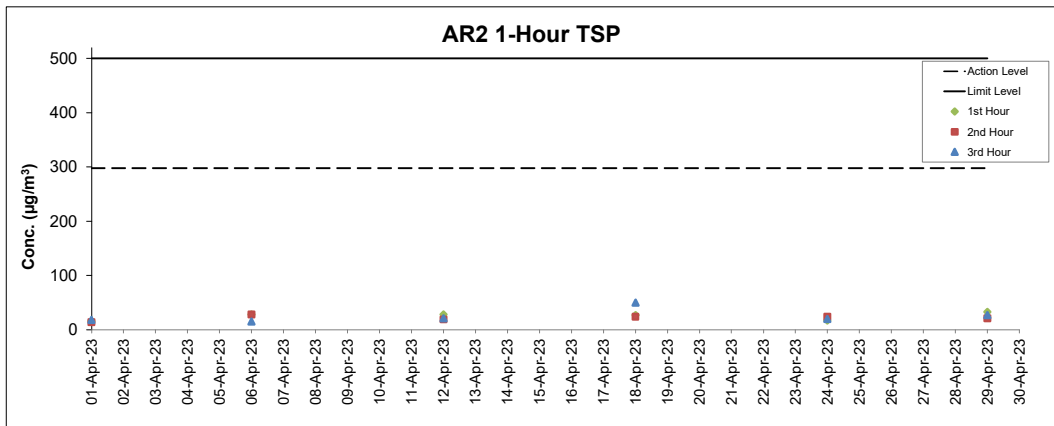
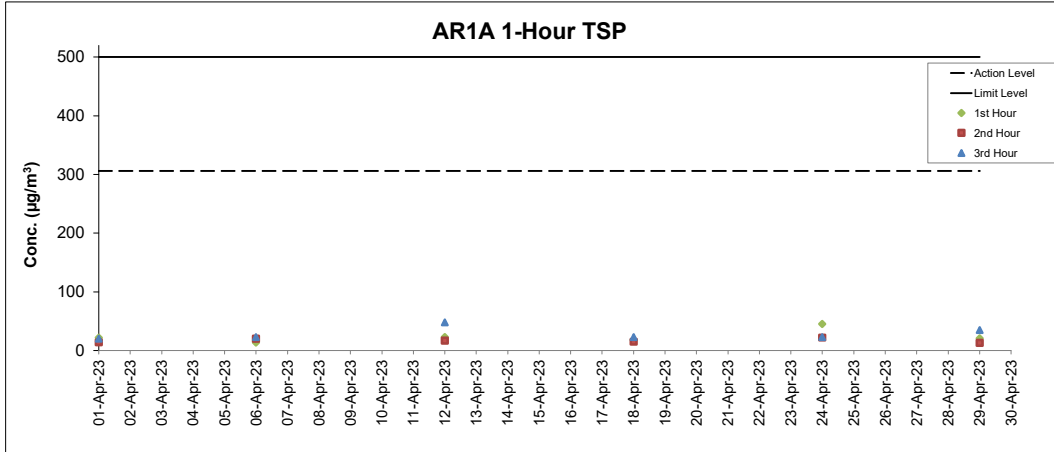
**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
1-Apr-23	8:15	Cloudy	5.6	86	22	306	500
1-Apr-23	9:15	Cloudy	5.3	82	14	306	500
1-Apr-23	10:15	Cloudy	6.1	89	20	306	500
6-Apr-23	8:10	Cloudy	3.9	150	14	306	500
6-Apr-23	9:10	Cloudy	3.3	164	20	306	500
6-Apr-23	10:25	Cloudy	2.8	163	23	306	500
12-Apr-23	8:10	Sunny	1.4	329	23	306	500
12-Apr-23	9:10	Sunny	2.2	331	17	306	500
12-Apr-23	10:10	Sunny	2.5	309	48	306	500
18-Apr-23	8:10	Sunny	3.9	116	18	306	500
18-Apr-23	9:10	Sunny	4.2	137	15	306	500
18-Apr-23	10:10	Sunny	5.0	151	23	306	500
24-Apr-23	8:18	Sunny	4.9	81	45	306	500
24-Apr-23	9:18	Sunny	6.7	92	22	306	500
24-Apr-23	10:18	Sunny	6.4	87	23	306	500
29-Apr-23	10:33	Cloudy	1.7	351	21	306	500
29-Apr-23	11:33	Cloudy	3.1	273	13	306	500
29-Apr-23	12:33	Cloudy	3.3	289	35	306	500

**1-hour TSP Results**

**Station: AR2- Village House, Tin Sum**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
1-Apr-23	12:35	Cloudy	5.0	72	16	298	500
1-Apr-23	13:35	Cloudy	5.3	80	14	298	500
1-Apr-23	14:35	Cloudy	6.1	75	18	298	500
6-Apr-23	14:26	Cloudy	5.3	179	28	298	500
6-Apr-23	15:26	Cloudy	2.5	232	28	298	500
6-Apr-23	16:26	Cloudy	3.3	191	15	298	500
12-Apr-23	12:16	Sunny	3.3	263	28	298	500
12-Apr-23	13:16	Sunny	3.9	272	19	298	500
12-Apr-23	14:16	Sunny	4.9	265	21	298	500
18-Apr-23	12:25	Sunny	5.0	146	27	298	500
18-Apr-23	13:25	Sunny	5.3	143	24	298	500
18-Apr-23	14:25	Sunny	4.7	138	50	298	500
24-Apr-23	14:32	Sunny	3.9	59	17	298	500
24-Apr-23	15:32	Sunny	2.2	76	24	298	500
24-Apr-23	16:32	Sunny	2.5	317	20	298	500
29-Apr-23	15:00	Cloudy	3.3	253	33	298	500
29-Apr-23	16:00	Cloudy	4.2	286	21	298	500
29-Apr-23	17:00	Cloudy	5.0	321	27	298	500



**Notes**

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

## **Noise Monitoring Results**

## Noise Measurement Results

### Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
6-Apr-23	Cloudy	8:25	62.7	59.7	64
6-Apr-23	Cloudy	8:30	63.3	59.9	
6-Apr-23	Cloudy	8:35	63.4	59.4	
6-Apr-23	Cloudy	8:40	62.9	59.0	
6-Apr-23	Cloudy	8:45	62.9	59.7	
6-Apr-23	Cloudy	8:50	62.9	57.9	
12-Apr-23	Sunny	8:19	63.3	59.1	64
12-Apr-23	Sunny	8:24	63.5	59.3	
12-Apr-23	Sunny	8:29	62.8	58.2	
12-Apr-23	Sunny	8:34	63.2	58.4	
12-Apr-23	Sunny	8:39	63.6	58.9	
12-Apr-23	Sunny	8:44	63.4	58.8	
18-Apr-23	Sunny	8:55	65.6	59.9	67
18-Apr-23	Sunny	9:00	64.4	59.9	
18-Apr-23	Sunny	9:05	63.6	59.4	
18-Apr-23	Sunny	9:10	64.3	60.2	
18-Apr-23	Sunny	9:15	65.0	60.0	
18-Apr-23	Sunny	9:20	69.8	59.2	
24-Apr-23	Cloudy	8:34	63.1	52.0	65
24-Apr-23	Cloudy	8:39	64.0	59.7	
24-Apr-23	Cloudy	8:44	62.9	59.6	
24-Apr-23	Cloudy	8:49	63.0	59.2	
24-Apr-23	Cloudy	8:54	63.9	60.0	
24-Apr-23	Cloudy	8:59	63.9	59.7	

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>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
6-Apr-23	Cloudy	13:22	62.2	55.3	61
6-Apr-23	Cloudy	13:27	59.7	54.9	
6-Apr-23	Cloudy	13:32	60.2	55.3	
6-Apr-23	Cloudy	13:37	60.7	55.2	
6-Apr-23	Cloudy	13:42	57.7	54.7	
6-Apr-23	Cloudy	13:47	59.2	55.4	
14-Apr-23	Cloudy	11:00	65.5	57.2	66
14-Apr-23	Cloudy	11:05	68.0	57.3	
14-Apr-23	Cloudy	11:10	65.6	57.5	
14-Apr-23	Cloudy	11:15	67.2	58.1	
14-Apr-23	Cloudy	11:20	67.0	58.3	
14-Apr-23	Cloudy	11:25	63.3	58.4	
21-Apr-23	Cloudy	11:04	63.5	59.0	65
21-Apr-23	Cloudy	11:09	62.6	59.3	
21-Apr-23	Cloudy	11:14	63.8	59.2	
21-Apr-23	Cloudy	11:19	62.8	59.6	
21-Apr-23	Cloudy	11:24	65.5	59.5	
21-Apr-23	Cloudy	11:29	64.8	60.2	
27-Apr-23	Sunny	12:52	55.6	48.1	58
27-Apr-23	Sunny	12:57	55.7	47.8	
27-Apr-23	Sunny	13:02	55.0	45.7	
27-Apr-23	Sunny	13:07	56.6	48.4	
27-Apr-23	Sunny	13:12	58.2	48.2	
27-Apr-23	Sunny	13:17	60.8	46.0	

Remarks:

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

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

### Noise Measurement Results

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

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
6-Apr-23	Cloudy	11:49	62.7	59.2	62*
6-Apr-23	Cloudy	11:54	63.4	59.5	
6-Apr-23	Cloudy	11:59	62.3	59.2	
6-Apr-23	Cloudy	12:04	62.5	58.4	
6-Apr-23	Cloudy	12:09	62.8	59.1	
6-Apr-23	Cloudy	12:14	62.4	58.9	
12-Apr-23	Sunny	11:15	63.1	57.8	62*
12-Apr-23	Sunny	11:20	64.0	58.5	
12-Apr-23	Sunny	11:25	63.7	58.0	
12-Apr-23	Sunny	11:30	63.1	58.2	
12-Apr-23	Sunny	11:35	62.4	57.3	
12-Apr-23	Sunny	11:40	64.2	58.3	
18-Apr-23	Sunny	14:15	60.2	56.3	62*
18-Apr-23	Sunny	14:20	60.2	55.8	
18-Apr-23	Sunny	14:25	61.1	56.7	
18-Apr-23	Sunny	14:30	62.0	56.7	
18-Apr-23	Sunny	14:35	64.1	56.7	
18-Apr-23	Sunny	14:40	64.5	56.4	
24-Apr-23	Cloudy	13:19	62.4	52.8	61*
24-Apr-23	Cloudy	13:24	63.5	53.9	
24-Apr-23	Cloudy	13:29	63.9	53.7	
24-Apr-23	Cloudy	13:34	62.5	54.9	
24-Apr-23	Cloudy	13:39	61.8	53.1	
24-Apr-23	Cloudy	13:44	60.7	52.8	

Remarks:

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

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

### Noise Measurement Results

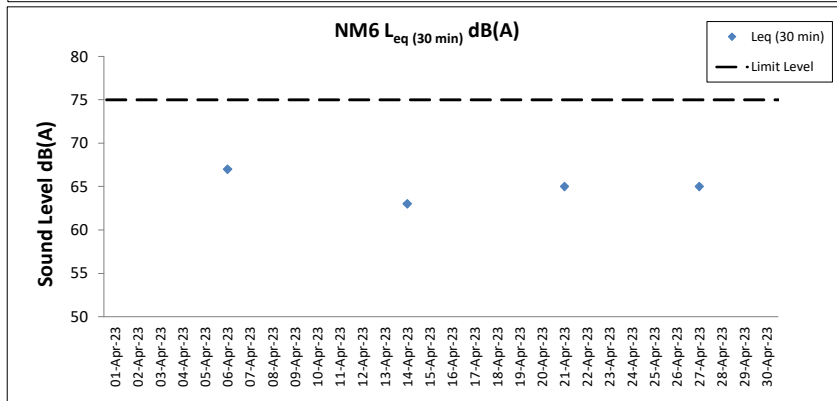
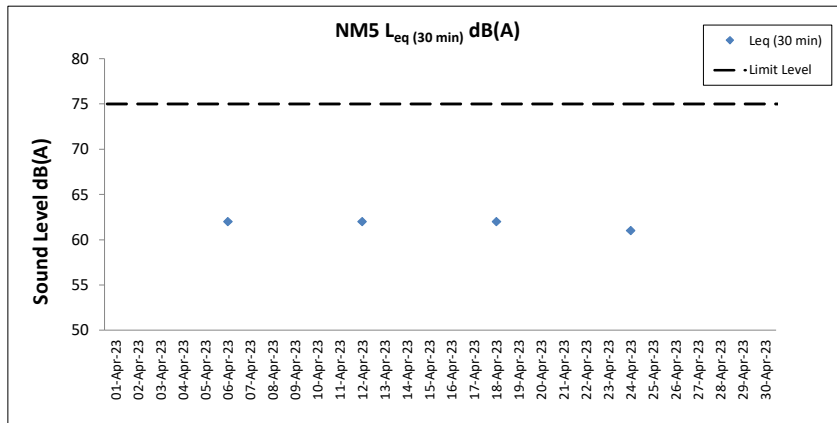
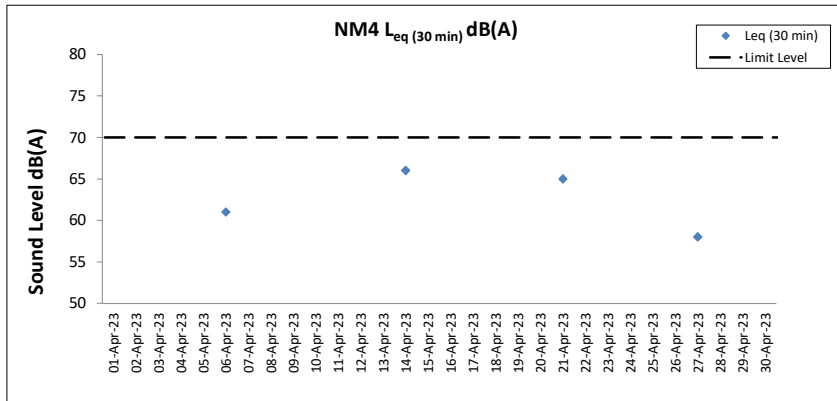
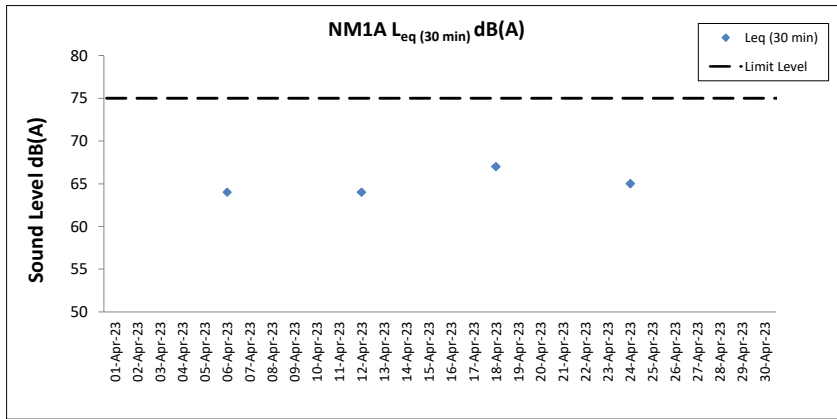
#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
6-Apr-23	Cloudy	15:56	67.4	52.2	67
6-Apr-23	Cloudy	16:01	57.9	50.3	
6-Apr-23	Cloudy	16:06	62.1	51.8	
6-Apr-23	Cloudy	16:11	57.3	49.9	
6-Apr-23	Cloudy	16:16	67.7	50.2	
6-Apr-23	Cloudy	16:21	61.1	49.3	
14-Apr-23	Cloudy	9:39	62.2	53.7	63
14-Apr-23	Cloudy	9:44	60.7	53.3	
14-Apr-23	Cloudy	9:49	62.4	54.8	
14-Apr-23	Cloudy	9:54	65.3	56.3	
14-Apr-23	Cloudy	9:59	62.8	54.8	
14-Apr-23	Cloudy	10:04	62.5	53.9	
21-Apr-23	Cloudy	13:11	64.8	55.5	65
21-Apr-23	Cloudy	13:16	64.6	55.5	
21-Apr-23	Cloudy	13:21	61.9	54.3	
21-Apr-23	Cloudy	13:26	61.9	53.4	
21-Apr-23	Cloudy	13:31	60.5	53.3	
21-Apr-23	Cloudy	13:36	60.4	53.7	
27-Apr-23	Sunny	16:21	61.4	52.3	65
27-Apr-23	Sunny	16:26	60.5	54.9	
27-Apr-23	Sunny	16:31	64.9	55.7	
27-Apr-23	Sunny	16:36	59.0	54.5	
27-Apr-23	Sunny	16:41	64.5	54.0	
27-Apr-23	Sunny	16:46	63.7	53.3	

Remarks:

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

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



**Notes**

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

# Water Quality Monitoring Results



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

**Water Quality Monitoring Results on 01 April 23 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				
C1	Cloudy	Moderate	10:59	8.5	Surface	1.0	0.1	199	20.4	20.4	8.2	8.2	29.9	30.0	93.4	93.3	7.1	7.0	2.5	6.1	5	4	815602	804239
						1.0	0.1	199	20.4	8.2	8.2	30.0	30.0	93.2	93.3	7.1	7.0	2.6	6.1	4				
					Middle	4.3	0.0	221	20.4	20.4	8.2	8.2	31.0	31.0	92.3	92.3	6.9	6.8	4.9	6.1	4			
						4.3	0.0	220	20.4	20.4	8.2	8.2	31.0	31.0	92.3	92.3	6.9	6.8	4.9	6.1	4			
					Bottom	7.5	0.1	178	20.4	20.4	8.2	8.2	31.1	31.1	92.7	92.9	7.0	7.0	11.0	6.8	4			
						7.5	0.1	179	20.4	20.4	8.2	8.2	31.1	31.1	93.0	92.9	7.0	7.0	11.0	6.8	3			
C2	Cloudy	Moderate	12:18	12.4	Surface	1.0	0.1	183	20.6	20.6	8.1	8.1	27.3	27.3	88.7	88.7	6.8	6.8	3.0	6.3	4	4	825667	806925
						1.0	0.1	177	20.6	20.6	8.1	8.1	27.3	27.3	88.6	88.7	6.8	6.8	3.2	6.3	3			
					Middle	6.2	0.2	198	20.5	20.5	8.2	8.2	30.1	30.2	89.1	89.2	6.7	6.7	6.7	6.3	3			
						6.2	0.2	197	20.5	20.5	8.2	8.2	30.2	30.2	89.3	89.2	6.7	6.7	7.2	6.3	4			
					Bottom	11.4	0.2	155	20.5	20.5	8.2	8.2	30.6	30.6	89.9	90.0	6.8	6.8	8.8	6.8	4			
						11.4	0.2	150	20.4	20.4	8.2	8.2	30.6	30.6	90.0	90.0	6.8	6.8	8.8	6.8	4			
C3	Misty	Moderate	09:54	11.4	Surface	1.0	0.2	91	21.0	21.0	7.9	7.9	31.1	31.1	87.1	87.2	6.5	6.6	1.1	1.7	3	3	822091	817784
						1.0	0.2	93	21.0	21.0	7.9	7.9	31.1	31.1	87.2	87.2	6.5	6.5	1.1	1.7	3			
					Middle	5.7	0.1	74	21.0	21.0	7.9	7.9	31.3	31.3	88.2	88.3	6.6	6.6	1.9	6.6	3			
						5.7	0.1	77	21.0	21.0	7.9	7.9	31.3	31.3	88.3	88.3	6.6	6.6	1.9	6.6	3			
					Bottom	10.4	0.1	78	20.9	20.9	7.8	7.8	31.3	31.3	89.7	89.9	6.7	6.7	2.1	6.7	2			
						10.4	0.1	74	20.9	20.9	7.8	7.8	31.3	31.3	90.1	89.9	6.7	6.7	2.1	6.7	3			
IM1	Cloudy	Moderate	11:24	6.5	Surface	1.0	0.0	166	20.4	20.4	8.2	8.2	28.9	28.8	94.2	94.1	7.2	7.0	2.2	6.8	2	3	818351	806479
						1.0	0.0	169	20.4	20.4	8.2	8.2	28.8	28.8	94.0	94.1	7.2	7.0	2.3	6.8	2			
					Middle	3.3	0.0	144	20.4	20.4	8.2	8.2	31.1	31.2	89.9	89.9	6.8	6.8	5.8	6.8	3			
						3.3	0.1	145	20.4	20.4	8.2	8.2	31.2	31.2	89.8	89.9	6.7	6.7	6.6	6.8	4			
					Bottom	5.5	0.1	169	20.4	20.4	8.2	8.2	31.6	31.6	89.8	89.9	6.7	6.7	11.8	6.8	4			
						5.5	0.1	170	20.4	20.4	8.2	8.2	31.6	31.6	89.9	89.9	6.7	6.7	11.9	6.8	3			
IM2	Cloudy	Moderate	11:29	6.7	Surface	1.0	0.1	198	20.4	20.4	8.2	8.2	28.8	28.8	91.2	91.1	7.0	6.9	3.2	6.9	5	4	819181	806256
						1.0	0.1	192	20.4	20.4	8.2	8.2	28.8	28.8	91.0	91.1	6.9	6.9	3.5	6.9	5			
					Middle	3.4	0.1	191	20.4	20.4	8.2	8.2	31.2	31.2	90.7	90.7	6.8	6.8	5.1	6.8	4			
						3.4	0.1	188	20.4	20.4	8.2	8.2	31.2	31.2	90.7	90.7	6.8	6.8	5.2	6.8	2			
					Bottom	5.7	0.1	190	20.3	20.3	8.2	8.2	31.6	31.6	90.7	90.8	6.8	6.8	8.9	6.8	2			
						5.7	0.0	193	20.3	20.3	8.2	8.2	31.6	31.6	90.8	90.8	6.8	6.8	8.0	6.8	3			
IM7	Cloudy	Moderate	11:50	7.5	Surface	1.0	0.1	148	20.6	20.6	8.2	8.2	29.3	29.4	89.4	89.5	6.8	6.8	3.5	6.8	4	5	821333	806823
						1.0	0.1	150	20.5	20.5	8.2	8.2	29.5	29.4	89.5	89.5	6.8	6.8	3.8	6.8	4			
					Middle	3.8	0.0	163	20.5	20.5	8.2	8.2	30.4	30.4	89.7	89.7	6.8	6.8	4.9	6.8	4			
						3.8	0.0	158	20.5	20.5	8.2	8.2	30.5	30.4	89.7	89.7	6.8	6.8	5.0	6.8	5			
					Bottom	6.5	0.0	134	20.4	20.4	8.2	8.2	31.0	31.0	90.1	90.1	6.8	6.8	6.1	6.8	6			
						6.5	0.0	137	20.4	20.4	8.2	8.2	31.0	31.0	90.1	90.1	6.8	6.8	6.1	6.8	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 01 April 23 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	Misty	Moderate	10:58	9.0	Surface	1.0	0.1	102	21.1	21.1	8.0	7.9	28.5	28.5	90.1	90.1	6.8	6.8	2.1	3.0	2	3	822236	809834						
						1.0	0.1	108	21.1		7.9	7.9	28.6	28.5	90.0	90.0	6.8		2.1		3									
					Middle	4.5	0.1	93	21.1	21.1	7.9	7.9	28.9	28.9	90.0	90.0	6.8	6.8	2.8	3.0	2				3	822236	809834			
						4.5	0.1	97	21.1		7.9	7.9	28.9	28.9	90.0	90.0	6.8		2.8		3									
					Bottom	8.0	0.2	114	21.1	21.1	7.9	7.9	29.2	29.1	90.4	90.7	6.8	6.8	4.0	3.0	4							3	822236	809834
						8.0	0.2	118	21.1		7.9	7.9	29.1	29.1	91.0	90.7	6.8		4.0		5									
IM11	Misty	Moderate	10:51	7.2	Surface	1.0	0.2	96	21.0	21.0	7.9	7.9	29.3	29.4	88.6	88.6	6.6	6.7	1.6	2.6	3	4	821494	810563						
						1.0	0.2	101	21.0		7.9	7.9	29.5	29.4	88.6	88.6	6.7		1.5		2									
					Middle	3.6	0.2	79	21.0	21.0	7.9	7.9	29.6	29.6	89.0	89.1	6.7	6.7	2.3	2.6	4				4	821494	810563			
						3.6	0.2	82	21.0		7.9	7.9	29.7	29.6	89.2	89.1	6.7		2.3		3									
					Bottom	6.2	0.2	99	21.0	21.0	7.9	7.9	29.8	29.7	90.8	91.2	6.8	6.9	3.8	2.6	5							4	821494	810563
						6.2	0.3	95	21.0		7.8	7.9	29.7	29.7	91.5	91.2	6.9		3.7		4									
IM12	Misty	Moderate	10:46	8.0	Surface	1.0	0.1	91	21.1	21.1	7.9	7.9	28.1	28.2	91.4	91.4	6.9	6.9	1.4	2.4	4	4	821161	811519						
						1.0	0.1	85	21.1		7.9	7.9	28.2	28.2	91.3	91.4	6.9		1.5		3									
					Middle	4.0	0.2	79	21.0	21.0	7.9	7.8	28.7	28.8	91.3	91.4	6.9	6.9	2.4	2.4	4				4	821161	811519			
						4.0	0.2	86	21.0		7.8	7.8	28.9	28.8	91.4	91.4	6.9		2.4		3									
					Bottom	7.0	0.1	101	20.9	20.9	7.8	7.8	29.1	29.0	92.4	93.0	7.0	7.1	3.3	2.4	4							4	821161	811519
						7.0	0.1	105	20.9		7.8	7.8	28.9	29.0	93.6	93.0	7.1		3.3		4									
SR1A	Misty	Moderate	10:22	5.0	Surface	1.0	0.0	161	21.0	21.0	8.0	8.0	29.3	29.4	88.7	88.7	6.7	6.7	1.8	2.1	4	3	819973	812666						
						1.0	0.1	167	21.0		8.0	8.0	29.4	29.4	88.7	88.7	6.7		1.8		3									
					Middle	2.5	0.1	165	-	-	-	-	-	-	-	-	-	-	-	2.1	-				3	819973	812666			
						2.5	-	162	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.0	0.1	178	21.0	21.0	7.9	7.9	29.3	29.3	88.5	88.5	6.6	6.6	2.5	2.1	3							3	819973	812666
						4.0	0.0	176	21.0		7.9	7.9	29.3	29.3	88.5	88.5	6.6		2.4		3									
SR2	Misty	Moderate	10:14	5.2	Surface	1.0	0.1	85	21.1	21.1	7.9	7.9	30.1	30.1	85.7	85.7	6.4	6.4	2.2	2.4	3	3	821452	814151						
						1.0	0.1	88	21.1		7.9	7.9	30.1	30.1	85.6	85.6	6.4		2.1		2									
					Middle	-	0.1	84	-	-	-	-	-	-	-	-	-	-	-	2.4	-				3	821452	814151			
						-	0.0	89	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.2	0.0	86	21.1	21.1	7.9	7.9	30.3	30.3	85.5	85.6	6.4	6.4	2.6	2.4	2							3	821452	814151
						4.2	0.1	93	21.1		7.9	7.9	30.4	30.3	85.6	85.6	6.4		2.6		3									
SR3	Cloudy	Moderate	11:57	8.9	Surface	1.0	0.2	158	20.7	20.7	8.1	8.1	28.8	28.8	87.5	87.5	6.6	6.6	2.2	5.0	3	4	822161	807584						
						1.0	0.2	153	20.7		8.1	8.1	28.9	28.8	87.4	87.5	6.6		2.3		3									
					Middle	4.5	0.2	150	20.6	20.6	8.1	8.1	29.5	29.5	87.8	87.9	6.6	6.6	2.9	5.0	4				4	822161	807584			
						4.5	0.2	146	20.6		8.1	8.1	29.5	29.5	87.9	87.9	6.6		3.0		3									
					Bottom	7.9	0.3	157	20.3	20.3	8.2	8.2	30.4	30.4	91.2	91.3	6.9	6.9	9.7	5.0	5							4	822161	807584
						7.9	0.2	162	20.3		8.2	8.2	30.4	30.4	91.4	91.3	6.9		9.7		4									
SR4A	Cloudy	Moderate	10:30	9.0	Surface	1.0	0.0	248	20.4	20.4	8.0	8.0	29.8	29.8	91.7	91.7	6.9	6.9	4.3	6.2	6	5	817181	807807						
						1.0	0.0	247	20.4		8.0	8.0	29.8	29.8	91.6	91.7	6.9		4.3		6									
					Middle	4.5	0.0	251	20.4	20.4	8.0	8.0	31.0	31.0	90.0	90.0	6.8	6.8	6.7	6.2	6				5	817181	807807			
						4.5	0.1	252	20.4		8.0	8.0	31.1	31.0	90.0	90.0	6.8		6.9		4									
					Bottom	8.0	0.0	257	20.4	20.4	8.0	8.0	31.3	31.3	90.7	90.8	6.8	6.8	7.6	6.2	4							5	817181	807807
						8.0	0.0	256	20.4		8.0	8.0	31.3	31.3	90.9	90.8	6.8		7.5		5									
SR8	Misty	Moderate	10:42	5.4	Surface	1.0	-	-	21.0	21.0	7.9	7.9	28.3	28.3	93.5	93.7	7.1	7.1	1.9	2.0	2	3	820388	811621						
						1.0	-	-	20.9		7.9	7.9	28.4	28.3	93.8	93.7	7.1		1.9		4									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-				3	820388	811621			
						-	-	-	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.4	-	-	20.8	20.8	7.8	7.8	28.7	28.7	94.5	94.5	7.1	7.2	2.1	2.0	3							3	820388	811621
						4.4	-	-	20.8		7.8	7.8	28.6	28.7	94.5	94.5	7.2		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 01 April 23 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				
C1	Cloudy	Moderate	15:40	8.4	Surface	1.0	0.1	21	20.4	20.4	8.2	8.2	29.4	29.5	94.8	94.8	7.2	7.2	1.5	7.1	2	3	815638	804270
						1.0	0.1	23	20.4	8.2	8.2	29.5	94.7	7.2	1.6	2								
					Middle	4.2	0.2	19	20.4	8.2	8.2	31.1	31.1	92.7	92.7	7.0	7.0	2.8	5.1	2				
						4.2	0.1	14	20.4	8.2	8.2	31.1	31.1	92.7	92.7	7.0	7.0	2.8	2					
					Bottom	7.4	0.2	13	20.4	8.2	8.2	31.2	31.2	93.5	93.7	7.0	7.0	11.1	7.0	3				
						7.4	0.2	9	20.4	8.2	8.2	31.2	31.2	93.8	93.7	7.0	7.0	11.2	7.0	4				
C2	Cloudy	Moderate	14:17	12.6	Surface	1.0	0.0	256	20.7	20.7	8.1	8.1	27.2	27.2	88.6	88.6	6.8	6.8	2.6	6.7	6	5	825677	806964
						1.0	0.1	250	20.7	8.1	8.1	27.2	27.2	88.5	88.6	6.8	6.8	2.7	5.8	5				
					Middle	6.3	0.1	233	20.5	8.1	8.1	30.1	30.2	87.9	87.9	6.6	6.6	4.4	6.7	4				
						6.3	0.0	225	20.5	8.1	8.1	30.2	30.2	87.9	87.9	6.6	6.6	4.4	6.7	5				
					Bottom	11.6	0.1	248	20.6	8.1	8.1	30.5	30.5	88.6	88.6	6.7	6.7	10.5	6.7	5				
						11.6	0.1	244	20.6	8.1	8.1	30.5	30.5	88.7	88.7	6.7	6.7	10.3	6.7	4				
C3	Misty	Moderate	15:20	9.2	Surface	1.0	0.3	256	21.1	21.1	8.0	8.0	28.1	28.3	91.1	91.1	6.9	6.9	1.4	6.9	3	2	822104	817812
						1.0	0.3	253	21.0	8.0	8.0	28.4	28.3	91.0	91.0	6.9	6.9	1.4	6.9	3				
					Middle	4.6	0.2	240	21.0	8.0	8.0	28.9	28.9	91.1	91.2	6.9	6.9	2.3	6.9	2				
						4.6	0.2	246	21.0	8.0	8.0	29.0	28.9	91.2	91.2	6.9	6.9	2.2	6.9	2				
					Bottom	8.2	0.2	240	21.1	8.0	8.0	29.1	28.9	92.0	92.1	6.9	6.9	3.3	6.9	2				
						8.2	0.3	236	21.1	8.0	8.0	28.8	28.9	92.2	92.1	6.9	6.9	3.2	6.9	2				
IM1	Cloudy	Moderate	15:14	6.5	Surface	1.0	0.1	16	20.4	20.4	8.2	8.2	30.2	30.2	93.3	93.3	7.0	7.0	2.6	7.0	3	3	818349	806460
						1.0	0.1	21	20.4	8.2	8.2	30.3	30.2	93.2	93.3	7.0	7.0	2.8	7.0	3				
					Middle	3.3	0.0	30	20.4	8.2	8.2	31.0	31.0	92.5	92.5	7.0	7.0	5.0	7.1	3				
						3.3	-	27	20.4	8.2	8.2	31.1	31.0	92.4	92.5	7.0	7.0	5.2	7.1	4				
					Bottom	5.5	0.0	37	20.3	8.2	8.2	31.6	31.6	91.7	92.1	6.9	6.9	7.3	6.9	3				
						5.5	0.1	29	20.2	8.2	8.2	31.6	31.6	92.4	92.1	6.9	6.9	7.9	6.9	4				
IM2	Cloudy	Moderate	15:10	6.9	Surface	1.0	0.1	284	20.4	20.4	8.2	8.2	29.3	29.3	95.3	95.2	7.2	7.2	1.5	7.1	5	5	819202	806248
						1.0	0.1	288	20.4	8.2	8.2	29.3	29.3	95.1	95.1	7.2	7.2	1.5	7.1	5				
					Middle	3.5	0.1	311	20.4	8.2	8.2	30.5	30.6	91.6	91.5	6.9	6.9	2.5	6.8	5				
						3.5	0.1	318	20.4	8.2	8.2	30.7	30.6	91.3	91.5	6.9	6.9	2.7	6.8	5				
					Bottom	5.9	0.0	306	20.3	8.2	8.2	31.5	31.5	89.9	90.0	6.8	6.8	5.7	6.8	5				
						5.9	0.1	305	20.3	8.2	8.2	31.5	31.5	90.0	90.0	6.8	6.8	5.7	6.8	5				
IM7	Cloudy	Moderate	14:50	7.3	Surface	1.0	0.1	263	20.6	20.6	8.2	8.2	28.4	28.5	89.1	89.1	6.8	6.8	4.3	6.8	4	5	821357	806820
						1.0	0.1	256	20.5	8.2	8.2	28.5	28.5	89.1	89.1	6.8	6.8	4.6	6.8	3				
					Middle	3.7	0.1	267	20.4	8.2	8.2	30.8	30.8	89.1	89.2	6.7	6.7	6.2	6.8	4				
						3.7	0.1	274	20.4	8.2	8.2	30.9	30.8	89.2	89.2	6.7	6.7	6.3	6.8	5				
					Bottom	6.3	0.1	285	20.4	8.2	8.2	31.1	31.1	89.3	89.4	6.7	6.7	6.8	6.7	6				
						6.3	0.1	278	20.4	8.2	8.2	31.1	31.1	89.4	89.4	6.7	6.7	6.8	6.7	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 01 April 23 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	Misty	Moderate	14:14	9.0	Surface	1.0	0.1	268	21.2	21.2	7.9	7.9	27.8	27.8	90.8	90.7	6.9	6.8	2.0	1.9	3	3	822219	809824						
						1.0	0.1	274	21.2		7.9	7.9	27.9		90.6	90.7	6.8		2.0		3									
					Middle	4.5	0.1	265	21.2	21.2	7.9	7.8	28.4	28.5	90.5	90.7	6.8	6.8	1.2	1.9	3				3	822219	809824			
						4.5	0.0	267	21.2		7.8	7.8	28.6		90.8	90.7	6.8		1.2		3									
					Bottom	8.0	0.1	280	21.2	21.2	7.8	7.8	29.0	28.8	94.4	94.5	7.1	7.1	2.5	1.9	3							3	822219	809824
						8.0	0.1	283	21.2		7.8	7.8	28.7		94.6	94.5	7.1		2.5		3									
IM11	Misty	Moderate	14:24	7.2	Surface	1.0	0.1	284	21.1	21.1	8.0	8.0	27.2	27.2	89.6	89.7	6.8	6.8	1.6	2.2	3	3	821505	810543						
						1.0	0.2	289	21.1		8.0	8.0	27.1		89.7	89.7	6.8		1.6		4									
					Middle	3.6	0.1	267	21.1	21.1	8.0	8.0	29.0	29.0	90.0	90.1	6.8	6.8	2.0	2.2	2				3	821505	810543			
						3.6	0.1	270	21.1		8.0	8.0	29.0		90.1	90.1	6.8		2.0		3									
					Bottom	6.2	0.1	278	21.2	21.2	8.0	8.0	28.9	28.8	90.5	90.6	6.8	6.8	3.0	2.2	3							3	821505	810543
						6.2	0.1	278	21.2		8.0	8.0	28.7		90.6	90.6	6.8		2.9		2									
IM12	Misty	Moderate	14:30	6.4	Surface	1.0	0.1	284	21.1	21.1	8.0	8.0	28.4	26.7	87.8	87.8	6.6	6.7	1.3	1.7	2	3	821143	811524						
						1.0	0.1	282	21.1		8.0	8.0	25.0		87.7	87.8	6.8		1.3		3									
					Middle	3.2	0.2	293	21.1	21.1	8.0	8.0	29.6	29.6	87.9	88.0	6.6	6.6	1.6	1.7	3				3	821143	811524			
						3.2	0.1	294	21.1		8.0	8.0	29.6		88.0	88.0	6.6		1.6		2									
					Bottom	5.4	0.1	311	21.1	21.1	7.9	7.9	29.4	29.4	88.3	88.3	6.6	6.6	2.2	1.7	3							3	821143	811524
						5.4	0.1	312	21.1		7.9	7.9	29.4		88.3	88.3	6.6		2.3		3									
SR1A	Misty	Moderate	14:44	5.2	Surface	1.0	0.0	168	21.3	21.3	7.9	7.9	27.4	27.4	91.7	91.7	6.9	6.9	1.1	1.6	4	3	819982	812658						
						1.0	0.1	162	21.3		7.9	7.9	27.4		91.6	91.7	6.9		1.0		3									
					Middle	2.6	0.0	170	-	-	-	-	-	-	-	-	-	-	-	1.6	-				3	819982	812658			
						2.6	0.1	175	-		-	-	-		-	-	-		-		-									
					Bottom	4.2	0.0	179	21.4	21.4	7.8	7.7	28.2	28.0	94.6	94.7	7.1	7.1	2.2	1.6	2							3	819982	812658
						4.2	-	180	21.4		7.7	7.7	27.8		94.7	94.7	7.1		2.2		3									
SR2	Misty	Moderate	15:03	5.8	Surface	1.0	0.0	241	21.1	21.1	7.9	7.9	29.3	29.4	88.1	88.1	6.6	6.6	1.1	1.2	4	3	821460	814144						
						1.0	0.0	246	21.1		7.9	7.9	29.4		88.0	88.1	6.6		1.1		3									
					Middle	-	0.0	220	-	-	-	-	-	-	-	-	-	-	-	1.2	-				3	821460	814144			
						-	-	215	-		-	-	-		-	-	-		-		-									
					Bottom	4.8	0.0	254	21.1	21.1	7.9	8.0	29.7	29.7	88.0	88.2	6.6	6.6	1.3	1.2	3							3	821460	814144
						4.8	0.0	248	21.1		8.0	8.0	29.7		88.3	88.2	6.6		1.3		3									
SR3	Cloudy	Moderate	14:44	8.3	Surface	1.0	0.0	172	20.6	20.6	8.1	8.1	27.9	27.9	89.0	89.0	6.8	6.8	4.1	6.0	4	5	822133	807576						
						1.0	0.0	171	20.6		8.1	8.1	27.9		89.0	89.0	6.8		4.7		5									
					Middle	4.2	0.0	176	20.5	20.5	8.2	8.2	30.4	30.4	89.3	89.4	6.7	6.8	6.4	6.0	6				5	822133	807576			
						4.2	0.0	175	20.5		8.2	8.2	30.4		89.4	89.4	6.7		6.4		5									
					Bottom	7.3	0.1	166	20.5	20.5	8.2	8.2	30.3	30.2	89.5	89.6	6.8	6.8	7.3	6.0	6							5	822133	807576
						7.3	0.1	170	20.5		8.2	8.2	30.2		89.6	89.6	6.8		7.2		5									
SR4A	Cloudy	Moderate	16:13	8.8	Surface	1.0	0.0	102	20.4	20.4	8.2	8.2	30.5	30.6	91.1	91.1	6.9	6.9	4.7	5.5	3	4	817204	807822						
						1.0	0.1	109	20.4		8.2	8.2	30.6		91.0	91.0	6.9		4.9		3									
					Middle	4.4	0.0	89	20.4	20.4	8.2	8.2	30.9	30.9	90.9	91.0	6.8	6.8	5.5	5.5	5				4	817204	807822			
						4.4	0.0	88	20.4		8.2	8.2	31.0		91.0	91.0	6.8		5.7		4									
					Bottom	7.8	0.1	94	20.3	20.3	8.2	8.2	31.0	31.0	91.5	91.8	6.9	6.9	6.3	5.5	6							4	817204	807822
						7.8	0.1	97	20.3		8.2	8.2	31.0		92.0	91.8	6.9		6.2		4									
SR8	Misty	Moderate	14:36	5.0	Surface	1.0	-	-	21.2	21.2	7.9	7.9	27.9	28.0	90.3	90.3	6.8	6.8	1.4	1.5	4	3	820401	811630						
						1.0	-	-	21.2		7.9	7.9	28.0		90.3	90.3	6.8		1.5		3									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5	-				3	820401	811630			
						-	-	-	-		-	-	-		-	-	-		-		-									
					Bottom	4.0	-	-	21.2	21.2	7.9	7.9	28.1	28.0	90.7	90.8	6.8	6.9	1.6	1.5	3							3	820401	811630
						4.0	-	-	21.2		7.9	7.9	28.0		90.8	90.8	6.9		1.7		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

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

Water Quality Monitoring

Water Quality Monitoring Results on **04 April 23** 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	DA					
C1	Cloudy	Moderate	12:30	8.2	Surface	1.0	0.3	218	21.5	21.5	8.1	8.1	30.1	30.1	94.2	94.2	7.0	7.0	8.0	8.6	5	6	815608	804262							
						1.0	0.3	222	21.5		8.1		30.1		94.1		7.0		7.6		4										
					Middle	4.1	0.3	214	21.5	21.5	8.1	8.1	30.1	30.1	93.9	93.9	7.0	7.0	9.2	7.0	9.7	7.0			5	7					
						4.1	0.2	218	21.5		8.1		30.1		93.9		7.0		9.7		5										
					Bottom	7.2	0.2	189	21.5	21.5	8.1	8.1	30.1	30.1	93.8	93.8	7.0	7.0	9.0	7.0	8.5	7.0			7	8					
						7.2	0.3	182	21.5		8.1		30.1		93.8		7.0		8.5		8										
					C2	Cloudy	Moderate	10:49	12.0	Surface	1.0	0.0	151	21.7	21.7	8.1	8.1	26.0	26.0	91.8	91.8	6.9			6.9	3.0	3.3	10	9	825690	806950
											1.0	0.0	144	21.7		8.1		26.0		91.8		6.9				3.0		10			
Middle	6.0	0.1	161	21.2						21.2	8.1	8.1	29.2	29.2	86.9	86.9	6.5	6.5	3.5	6.5	3.6	6.5	9	7							
	6.0	0.1	166	21.2							8.1		29.2		86.9		6.5		3.6		8										
Bottom	11.0	0.1	138	21.4						21.4	8.1	8.1	30.0	30.0	87.8	87.8	6.5	6.5	3.5	6.5	3.5	6.5	7	8							
	11.0	0.1	142	21.4							8.1		30.0		87.8		6.5		3.5		8										
C3	Misty	Moderate	11:49	9.8						Surface	1.0	0.3	78	20.2	20.2	8.1	8.1	28.3	28.3	98.6	98.5	7.6	7.5	1.1	1.6	4	4	822127	817799		
											1.0	0.3	72	20.2		8.1		28.3		98.3		7.5		1.1		5					
					Middle	4.9	0.3	69	20.2	20.2	8.1	8.1	27.7	27.7	94.3	94.6	7.2	7.2	1.7	7.2	1.7	7.1	4	3							
						4.9	0.3	75	20.2		8.1		27.7		94.9		7.3		1.7		4										
					Bottom	8.8	0.3	70	20.0	20.0	8.0	8.0	28.1	28.1	92.0	92.2	7.1	7.1	2.1	7.1	2.2	7.1	3	4							
						8.8	0.3	64	20.0		8.0		28.1		92.4		7.1		2.2		4										
					IM1	Cloudy	Moderate	12:07	6.2	Surface	1.0	0.1	192	21.3	21.3	8.2	8.2	30.3	30.3	95.7	95.7	7.1	7.1	5.6	7.4	3	5			818354	806478
											1.0	0.1	198	21.3		8.2		30.3		95.6		7.1		5.7		4					
Middle	3.1	0.1	203	21.3						21.3	8.1	8.1	30.4	30.4	94.8	94.8	7.0	7.0	6.2	7.0	6.3	7.0	5	4							
	3.1	0.1	196	21.3							8.1		30.4		94.8		7.0		6.3		4										
Bottom	5.2	0.1	180	21.3						21.3	8.1	8.1	30.4	30.4	94.7	94.7	7.0	7.0	11.0	7.0	11.0	7.0	5	6							
	5.2	0.1	183	21.3							8.1		30.4		94.7		7.0		11.0		6										
IM2	Cloudy	Moderate	12:01	6.6						Surface	1.0	0.1	190	21.3	21.3	8.1	8.1	30.4	30.4	95.8	95.8	7.1	7.1	7.5	8.7	9	9	819177	806251		
											1.0	0.1	193	21.3		8.1		30.4		95.8		7.1		7.6		9					
					Middle	3.3	0.2	171	21.3	21.3	8.1	8.1	30.4	30.4	95.5	95.5	7.1	7.1	9.0	7.1	9.0	7.1	8	9							
						3.3	0.2	173	21.3		8.1		30.4		95.5		7.1		9.0		8										
					Bottom	5.6	0.1	178	21.3	21.3	8.1	8.1	30.4	30.4	95.5	95.5	7.1	7.1	9.5	7.1	9.5	7.1	9	8							
						5.6	0.1	171	21.3		8.1		30.4		95.5		7.1		9.8		8										
					IM7	Cloudy	Moderate	11:26	8.3	Surface	1.0	0.2	110	21.5	21.5	8.1	8.1	27.3	27.3	91.7	91.7	6.9	6.9	4.1	6.2	4	4			821372	806851
											1.0	0.2	116	21.5		8.1		27.3		91.7		6.9		4.1		3					
Middle	4.2	0.2	84	21.2						21.2	8.1	8.1	29.3	29.3	93.0	93.0	7.0	7.0	7.1	7.0	7.1	7.0	3	4							
	4.2	0.2	88	21.2							8.1		29.4		93.0		7.0		7.1		4										
Bottom	7.3	0.1	90	21.2						21.2	8.1	8.1	29.8	29.8	92.8	92.8	6.9	6.9	7.6	6.9	7.6	6.9	5	4							
	7.3	0.1	83	21.2							8.1		29.8		92.7		6.9		7.5		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 04 April 23 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	Misty	Moderate	10:45	9.0	Surface	1.0	0.2	73	20.8	20.8	7.9	7.9	23.8	23.8	93.3	93.4	7.3	7.2	0.9	2.1	4	4	822226	809823		
						1.0	0.2	79	20.8	7.9	7.9	23.7	23.8	93.4	93.4	7.3	7.2	0.9	2.1	5						
					Middle	4.5	0.1	67	20.9	20.9	7.9	7.9	27.7	27.7	92.6	92.3	7.0	7.1	1.9	2.1	4					
						4.5	0.1	66	20.9	20.9	7.9	7.9	27.7	27.7	92.0	92.3	7.0	7.1	1.8	2.1	5					
					Bottom	8.0	0.2	102	20.9	20.9	7.9	7.9	27.8	27.7	92.9	93.1	7.0	7.1	3.5	7.1	2					
						8.0	0.2	94	20.9	20.9	7.9	7.9	27.7	27.7	93.3	93.1	7.1	7.1	3.4	7.1	3					
IM11	Misty	Moderate	10:51	8.2	Surface	1.0	0.2	91	20.9	20.9	7.9	7.9	27.8	27.9	94.2	94.2	7.1	6.9	1.9	3.5	4	5	821517	810523		
						1.0	0.2	95	20.9	20.9	7.9	7.9	27.9	27.9	94.2	94.2	7.1	6.9	1.9	3.5	4					
					Middle	4.1	0.2	67	20.8	20.8	7.9	7.9	28.1	28.2	88.9	88.9	6.7	6.8	3.8	6.8	4					
						4.1	0.2	60	20.8	20.8	7.9	7.9	28.2	28.2	88.8	88.9	6.7	6.8	3.8	6.8	5					
					Bottom	7.2	0.1	59	20.8	20.8	7.9	7.9	28.5	28.5	90.0	90.1	6.8	6.8	4.8	6.8	5					
						7.2	0.1	55	20.8	20.8	7.9	7.9	28.5	28.5	90.1	90.1	6.8	6.8	4.8	6.8	6					
IM12	Misty	Moderate	10:57	6.4	Surface	1.0	0.2	79	21.0	21.0	8.0	8.0	28.6	28.7	98.7	97.5	7.4	7.1	2.9	3.9	5	821148	811534			
						1.0	0.2	71	20.9	21.0	8.1	8.0	28.7	28.7	96.2	97.5	7.3	7.1	2.9							
					Middle	3.2	0.2	96	20.7	20.7	7.9	7.9	28.9	28.9	91.7	91.7	6.9	6.9	3.9					7.1	4	
						3.2	0.2	91	20.6	20.7	7.9	7.9	28.9	28.9	91.6	91.7	6.9	6.9	3.9					7.1	5	
					Bottom	5.4	0.2	105	20.5	20.5	7.9	7.9	29.7	29.7	87.4	88.2	6.6	6.7	4.9					6.7	5	
						5.4	0.2	110	20.5	20.5	7.9	7.9	29.7	29.7	88.9	88.2	6.7	6.7	4.8					6.7	5	
SR1A	Misty	Moderate	11:17	5.6	Surface	1.0	0.0	31	20.9	20.9	8.0	8.0	26.9	26.9	94.4	94.5	7.2	7.2	3.7	3.9	5	819975	812654			
						1.0	0.0	34	20.9	20.9	8.1	8.0	26.9	26.9	94.6	94.5	7.2	7.2	3.8							
					Middle	2.8	-	50	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						2.8	0.0	50	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	4.6	0.0	37	20.9	21.0	8.0	8.0	26.6	26.6	93.3	93.6	7.1	7.1	4.1					7.1	4	
						4.6	-	41	21.0	21.0	8.1	8.0	26.6	26.6	93.8	93.6	7.1	7.1	4.1					7.1	4	
SR2	Misty	Moderate	11:27	5.2	Surface	1.0	0.1	38	20.9	20.9	8.1	8.0	29.0	29.3	96.2	96.1	7.2	7.2	1.1	1.5	3	821446	814166			
						1.0	0.2	34	20.9	20.9	8.0	8.0	29.6	29.3	96.0	96.1	7.2	7.2	1.1							
					Middle	-	0.2	55	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						-	0.2	61	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	4.2	0.2	62	20.9	20.9	8.1	8.0	29.6	29.2	93.3	93.9	7.0	7.1	1.9					7.1	2	
						4.2	0.2	57	20.9	20.9	8.0	8.0	28.9	29.2	94.5	93.9	7.1	7.1	2.0					7.1	2	
SR3	Cloudy	Moderate	11:20	8.5	Surface	1.0	0.1	104	21.5	21.5	8.1	8.1	26.5	26.5	89.8	89.8	6.8	6.8	2.7	5.4	11	822136	807557			
						1.0	0.1	98	21.5	21.5	8.1	8.1	26.5	26.5	89.8	89.8	6.8	6.8	2.8							
					Middle	4.3	0.2	113	21.3	21.3	8.1	8.1	28.5	28.5	89.6	89.7	6.7	6.7	3.9					6.8	11	
						4.3	0.1	118	21.3	21.3	8.1	8.1	28.6	28.5	89.7	89.7	6.7	6.7	4.0					6.8	12	
					Bottom	7.5	0.1	121	21.2	21.2	8.0	8.0	29.3	29.3	91.2	91.2	6.8	6.8	9.4					6.8	12	
						7.5	0.1	115	21.2	21.2	8.0	8.0	29.3	29.3	91.2	91.2	6.8	6.8	9.4					6.8	11	
SR4A	Cloudy	Moderate	12:54	8.4	Surface	1.0	0.0	326	21.5	21.5	8.1	8.1	30.1	30.1	94.2	94.2	7.0	7.0	5.4	6.6	5	817168	807811			
						1.0	0.1	327	21.5	21.5	8.1	8.1	30.1	30.1	94.1	94.2	7.0	7.0	5.5							
					Middle	4.2	-	326	21.3	21.3	8.1	8.1	30.2	30.2	92.6	92.6	6.9	6.9	7.0					7.0	4	
						4.2	0.0	330	21.3	21.3	8.1	8.1	30.2	30.2	92.6	92.6	6.9	6.9	7.0					7.0	4	
					Bottom	7.4	0.0	335	21.3	21.3	8.1	8.1	30.3	30.2	92.5	92.5	6.9	6.9	7.2					6.9	5	
						7.4	0.1	339	21.3	21.3	8.1	8.1	30.2	30.2	92.5	92.5	6.9	6.9	7.3					6.9	5	
SR8	Misty	Moderate	11:02	4.8	Surface	1.0	-	-	21.0	21.0	8.0	8.0	27.8	27.8	99.5	99.6	7.5	7.5	2.7	3.1	4	820373	811603			
						1.0	-	-	21.0	21.0	8.0	8.0	27.8	27.8	99.6	99.6	7.5	7.5	2.6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	3.8	-	-	21.0	21.0	8.1	8.0	27.8	27.8	97.4	97.7	7.4	7.4	3.6					7.4	4	
						3.8	-	-	21.0	21.0	8.0	8.0	27.8	27.8	98.0	97.7	7.4	7.4	3.6					7.4	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 04 April 23 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						
C1	Cloudy	Moderate	05:47	8.3	Surface	1.0	0.2	32	21.3	21.3	8.1	8.1	30.3	30.3	94.1	94.1	7.0	7.0	8.2	9.0	4	5	815600	804252		
						1.0	0.2	26	21.3		8.1		30.3		94.1		7.0		8.2		5					
					Middle	4.2	0.2	32	21.3	21.3	8.1	8.1	30.3	30.3	93.9	94.0	7.0	7.0	9.3	7.0	9.3	7.0			4	5
						4.2	0.2	26	21.3		8.1		30.3		94.0		7.0		9.3							
					Bottom	7.3	0.2	26	21.3	21.3	8.0	8.0	30.3	30.3	94.4	94.5	7.0	7.0	9.5	7.0	9.5	7.0			4	5
						7.3	0.2	25	21.3		8.0		30.3		94.5		7.0		9.4		4					
C2	Cloudy	Moderate	07:14	12.4	Surface	1.0	0.3	1	21.4	21.4	8.1	8.1	27.0	27.0	88.2	88.2	6.7	6.7	3.2	3.6	11	11	825700	806923		
						1.0	0.3	4	21.4		8.1		27.0		88.2		6.7		3.2		11					
					Middle	6.2	0.3	334	21.2	21.2	8.1	8.1	29.8	29.8	87.8	87.8	6.6	6.6	3.8	6.6	3.8	6.6			11	11
						6.2	0.3	335	21.2		8.1		29.8		87.8		6.6		3.8		12					
					Bottom	11.4	0.3	340	21.2	21.2	8.1	8.1	30.0	30.0	87.7	87.7	6.5	6.5	3.9	6.5	3.9	6.5			11	11
						11.4	0.4	337	21.2		8.1		30.0		87.7		6.5		4.0		12					
C3	Misty	Moderate	07:09	9.0	Surface	1.0	0.5	264	21.2	21.2	8.0	8.0	29.9	29.9	93.6	93.5	7.0	6.9	1.0	1.5	4	4	822104	817783		
						1.0	0.4	257	21.2		8.0		29.9		93.4		7.0		1.1		3					
					Middle	4.5	0.4	278	21.2	21.2	8.0	8.0	31.3	31.4	93.5	92.5	6.9	6.8	1.1	6.8	1.1	6.8			4	4
						4.5	0.4	282	21.2		8.0		31.4		91.5		6.8		1.1		4					
					Bottom	8.0	0.4	277	21.2	21.2	8.0	8.0	31.7	31.6	92.4	92.3	6.8	6.8	2.4	6.8	2.4	6.8			4	4
						8.0	0.4	280	21.2		8.0		31.6		92.2		6.8		2.4		4					
IM1	Cloudy	Moderate	06:10	6.6	Surface	1.0	0.1	22	21.3	21.3	8.2	8.2	30.4	30.4	96.2	96.2	7.1	7.1	6.2	7.5	5	5	818340	806463		
						1.0	0.1	24	21.3		8.2		30.4		96.2		7.1		6.2		4					
					Middle	3.3	0.2	6	21.3	21.3	8.1	8.1	30.5	30.5	95.9	95.9	7.1	7.1	7.7	7.1	7.7	7.1			5	5
						3.3	0.2	7	21.3		8.1		30.5		95.9		7.1		7.8		6					
					Bottom	5.6	0.1	12	21.3	21.3	8.1	8.1	30.5	30.5	95.6	95.6	7.1	7.1	9.0	7.1	9.0	7.1			6	6
						5.6	0.1	6	21.3		8.1		30.5		95.6		7.1		8.3		6					
IM2	Cloudy	Moderate	06:16	7.0	Surface	1.0	0.1	351	21.3	21.3	8.2	8.2	30.4	30.4	95.6	95.6	7.1	7.1	8.2	8.1	8	7	819193	806247		
						1.0	0.1	353	21.3		8.2		30.4		95.6		7.1		8.3		7					
					Middle	3.5	0.2	354	21.3	21.3	8.2	8.2	30.4	30.4	95.5	95.6	7.1	7.1	8.5	7.1	8.5	7.1			6	6
						3.5	0.1	355	21.3		8.2		30.4		95.6		7.1		8.4		7					
					Bottom	6.0	0.1	1	21.3	21.3	8.2	8.2	30.4	30.4	95.8	95.8	7.1	7.1	7.5	7.1	7.5	7.1			5	5
						6.0	0.1	358	21.3		8.2		30.4		95.8		7.1		7.5		6					
IM7	Cloudy	Moderate	06:35	8.0	Surface	1.0	0.1	331	21.4	21.4	8.2	8.2	26.3	26.3	94.0	94.0	7.1	7.1	4.5	6.3	5	5	821328	806840		
						1.0	0.1	333	21.4		8.2		26.3		94.0		7.1		4.6		4					
					Middle	4.0	0.2	332	21.2	21.2	8.2	8.2	29.6	29.6	93.7	93.7	7.0	7.0	5.8	7.0	5.8	7.0			6	6
						4.0	0.2	325	21.2		8.2		29.6		93.6		7.0		5.7		5					
					Bottom	7.0	0.2	325	21.2	21.2	8.0	8.0	29.9	29.9	93.4	93.5	7.0	7.0	8.2	7.0	8.2	7.0			6	6
						7.0	0.2	326	21.2		8.0		29.9		93.5		7.0		8.8		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 04 April 23 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	Misty	Moderate	08:23	9.2	Surface	1.0	0.3	301	20.9	20.9	7.9	7.9	29.6	29.7	91.9	91.9	6.9	6.9	1.1	2.0	3	4	822228	809842			
						1.0	0.2	307	20.9		7.9		29.7		91.9		6.9		1.1		3						
					Middle	4.6	0.3	283	20.9	7.9	7.9	27.5	27.5	90.9	90.8	6.9	6.9	1.9	4								
						4.6	0.3	289	20.9	7.9	7.9	27.5	27.5	90.7	90.8	6.9	6.9	1.9	3								
					Bottom	8.2	0.3	288	20.8	7.9	7.9	27.9	27.8	88.2	88.9	6.7	6.8	2.8	4								
						8.2	0.2	289	20.8	7.9	7.9	27.8	27.8	89.5	88.9	6.8	6.8	2.9	5								
IM11	Misty	Moderate	08:16	8.0	Surface	1.0	0.4	269	20.7	20.7	7.9	7.9	27.9	27.8	90.8	90.7	6.9	6.9	2.9	3.9	3	4	821511	810530			
						1.0	0.4	268	20.7		7.9		27.8		90.6		6.9		2.9		4						
					Middle	4.0	0.4	301	20.7	7.9	7.9	28.5	28.6	90.5	90.7	6.9	6.9	3.9	3								
						4.0	0.4	301	20.7	7.9	7.9	28.6	28.6	90.8	90.8	6.9	6.9	3.9	4								
					Bottom	7.0	0.4	271	20.7	7.9	7.9	29.1	29.1	94.4	94.5	7.1	7.1	4.9	4								
						7.0	0.4	269	20.7	7.9	7.9	29.1	29.1	94.6	94.5	7.1	7.1	4.9	4								
IM12	Misty	Moderate	08:09	9.0	Surface	1.0	0.4	293	21.0	21.0	8.0	8.0	27.7	27.8	90.2	90.1	6.8	6.8	1.0	2.2	3	4	821164	811530			
						1.0	0.4	292	20.9		8.0		27.9		90.0		6.8		1.0		4						
					Middle	4.5	0.3	281	20.6	7.9	7.9	28.9	29.0	88.5	88.5	6.7	6.7	2.6	3								
						4.5	0.3	285	20.6	7.9	7.9	29.1	29.0	88.4	88.5	6.7	6.7	2.6	4								
					Bottom	8.0	0.3	276	20.6	7.9	7.9	29.4	29.3	82.4	82.7	6.2	6.3	3.0	4								
						8.0	0.3	282	20.8	7.9	7.9	29.3	29.3	83.0	82.7	6.3	6.3	3.1	4								
SR1A	Misty	Moderate	07:48	5.0	Surface	1.0	0.0	181	21.2	21.3	8.0	8.0	28.1	28.2	97.4	96.2	7.3	7.2	3.2	4.1	4	5	819982	812654			
						1.0	0.0	175	21.3		8.0		28.3		95.0		7.1		3.2		5						
					Middle	2.5	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.5	0.0	182	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.0	0.0	188	21.5	21.6	8.0	8.0	28.9	28.8	89.4	90.5	6.7	6.8	5.0	4							
						4.0	0.1	182	21.6		7.9	8.0	28.8	28.8	91.6	90.5	6.8	6.8	4.9	5							
SR2	Misty	Moderate	07:31	4.8	Surface	1.0	0.1	230	21.5	21.5	8.0	8.0	28.2	28.2	91.3	91.4	6.8	6.8	1.7	2.1	5	4	821480	814165			
						1.0	0.1	224	21.5		8.0		28.2		91.4		6.8		1.7		4						
					Middle	-	0.1	252	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.1	251	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.8	0.1	242	21.5	21.5	8.0	8.0	29.8	29.8	92.4	93.0	6.8	6.9	2.6	4							
						3.8	0.1	248	21.5		8.0	8.0	29.8	29.8	93.6	93.0	6.9	6.9	2.4	3							
SR3	Cloudy	Moderate	06:44	8.5	Surface	1.0	0.2	335	21.5	21.5	8.0	8.0	26.3	26.3	90.1	90.2	6.8	6.8	2.9	7.1	9	8	822156	807555			
						1.0	0.3	338	21.5		8.0		26.3		90.2		6.8		3.3		9						
					Middle	4.3	0.3	345	21.3	21.3	8.1	8.1	28.6	28.7	90.4	90.4	6.8	6.8	7.2	8							
						4.3	0.3	343	21.3		8.1		8.1	28.8	28.7	90.4	90.4	6.8	6.8	7.9	8						
					Bottom	7.5	0.3	345	21.3	21.3	8.1	8.1	29.2	29.2	90.2	90.3	6.7	6.8	10.7	8							
						7.5	0.3	342	21.3		8.1		8.1	29.3	29.2	90.3	90.3	6.8	6.8	10.5	8						
SR4A	Cloudy	Moderate	05:22	9.4	Surface	1.0	0.1	219	21.3	21.3	8.2	8.2	30.1	30.1	94.5	94.5	7.0	7.0	5.5	6.6	3	4	817209	807829			
						1.0	0.0	217	21.3		8.2		30.2		94.5		7.0		5.6		4						
					Middle	4.7	0.0	237	21.3	21.3	8.2	8.2	30.2	30.2	94.0	94.0	7.0	7.0	6.6	4							
						4.7	0.0	241	21.3		8.2		8.2	30.2	30.2	94.0	94.0	7.0	7.0	6.6	5						
					Bottom	8.4	0.1	209	21.2	21.2	8.2	8.2	30.3	30.3	93.7	93.8	7.0	7.0	7.6	5							
						8.4	0.1	201	21.2		8.2		8.2	30.3	30.3	93.8	93.8	7.0	7.0	7.6	5						
SR8	Misty	Moderate	08:04	5.2	Surface	1.0	-	-	21.2	21.2	8.0	8.0	27.7	27.7	91.3	91.4	6.9	6.9	1.8	2.3	4	4	820382	811614			
						1.0	-	-	21.2		8.0		27.7		91.4		6.9		1.8		3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.2	-	-	21.2	21.2	8.0	8.0	28.5	28.4	91.9	91.9	6.9	6.9	2.8	4							
						4.2	-	-	21.2		8.0		8.0	28.3	28.4	91.8	91.9	6.9	6.9	2.9	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 06 April 23 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	Foggy	Moderate	13:16	8.4	Surface	1.0	0.3	200	21.8	21.8	7.9	7.9	28.6	28.6	95.6	95.6	7.1	7.1	7.2	7.5	5	6	815613	804236
						1.0	0.3	198	21.8		7.9		28.6	95.5	7.1	7.2	6							
					Middle	4.2	0.3	197	21.6	21.6	7.9	7.9	29.2	29.2	95.9	96.0	7.1	7.1	7.8	6				
						4.2	0.3	200	21.6		7.9	29.2	96.1	7.1	8.0	5								
					Bottom	7.4	0.3	218	21.5	21.5	7.9	7.9	29.4	29.4	96.8	97.0	7.2	7.2	7.3	6				
						7.4	0.3	211	21.5		7.9	29.4	97.1	7.2	7.4	6								
C2	Foggy	Moderate	11:41	11.8	Surface	1.0	0.1	119	21.7	21.7	7.9	7.9	24.5	24.5	90.2	90.2	6.9	6.9	3.9	15.5	6	7	825704	806963
						1.0	0.1	116	21.6		7.9		24.5	90.2	6.9	3.9	6							
					Middle	5.9	0.1	141	21.5	21.5	7.9	7.9	27.9	27.9	90.5	90.5	6.8	6.8	16.5	6				
						5.9	0.0	134	21.5		7.9	28.0	90.4	6.8	16.6	7								
					Bottom	10.8	0.1	147	21.5	21.5	7.9	7.9	28.3	28.3	89.9	89.9	6.7	6.7	25.6	7				
						10.8	0.1	147	21.5		7.9	28.3	89.8	6.7	26.5	8								
C3	Misty	Moderate	12:39	9.6	Surface	1.0	0.4	65	21.8	21.8	8.0	8.0	27.4	27.4	89.7	89.7	6.7	6.7	2.1	3.3	4	4	822108	817817
						1.0	0.4	60	21.8		8.0		27.4	89.7	6.7	2.2	4							
					Middle	4.8	0.4	95	21.8	21.8	8.0	8.0	27.6	27.6	90.0	90.1	6.7	6.7	3.7	4				
						4.8	0.4	94	21.7		8.0	27.7	90.2	6.8	3.6	5								
					Bottom	8.6	0.4	90	21.7	21.8	8.0	7.9	28.3	28.2	91.2	91.3	6.8	6.8	4.2	3				
						8.6	0.4	93	21.8		7.9	28.1	91.3	6.8	4.3	4								
IM1	Foggy	Moderate	12:51	6.7	Surface	1.0	0.2	169	21.9	21.9	7.9	7.9	27.9	27.9	94.5	94.5	7.1	7.1	5.8	4.8	5	5	818334	806434
						1.0	0.2	164	21.9		7.9		27.9	94.5	7.1	5.8	4							
					Middle	3.4	0.2	178	21.5	21.5	7.9	7.9	29.1	29.1	93.8	93.9	7.0	7.0	4.3	6				
						3.4	0.2	181	21.5		7.9	29.1	94.0	7.0	4.5	5								
					Bottom	5.7	0.2	199	21.5	21.5	7.9	7.9	29.4	29.4	95.7	95.8	7.1	7.1	4.1	5				
						5.7	0.1	205	21.5		7.9	29.4	95.9	7.1	4.3	6								
IM2	Foggy	Moderate	12:47	6.9	Surface	1.0	0.2	175	21.7	21.7	7.9	7.9	28.5	28.6	95.3	95.3	7.1	7.1	6.7	7.9	6	6	819166	806225
						1.0	0.1	171	21.7		7.9		28.6	95.2	7.1	6.7	6							
					Middle	3.5	0.1	174	21.5	21.5	7.9	7.9	29.2	29.3	95.4	95.5	7.1	7.1	6.5	6				
						3.5	0.2	173	21.5		7.9	29.3	95.5	7.1	6.6	5								
					Bottom	5.9	0.2	184	21.4	21.4	7.9	7.9	29.6	29.7	95.7	95.8	7.1	7.1	10.8	7				
						5.9	0.1	186	21.4		7.9	29.7	95.9	7.1	10.4	6								
IM7	Foggy	Moderate	12:11	8.0	Surface	1.0	0.1	85	21.6	21.6	7.9	7.9	26.2	26.2	93.9	94.0	7.1	7.1	9.8	12.0	6	6	821345	806846
						1.0	0.2	78	21.6		7.9		26.2	94.0	7.1	10.0	6							
					Middle	4.0	0.2	81	21.6	21.6	7.9	7.9	28.5	28.5	94.9	95.0	7.1	7.1	11.8	6				
						4.0	0.2	81	21.6		7.9	28.5	95.0	7.1	12.1	6								
					Bottom	7.0	0.2	76	21.6	21.6	7.9	7.9	28.7	28.7	95.4	95.5	7.1	7.1	14.2	6				
						7.0	0.2	74	21.6		7.9	28.7	95.6	7.1	14.5	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 **06 April 23** 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	DA		
IM10	Misty	Moderate	11:35	9.0	Surface	1.0	0.1	80	22.1	22.1	8.0	8.0	26.9	26.9	91.0	91.0	6.8	6.8	4.1	5.2	4	5	822230	809821				
						1.0	0.2	84	22.1		8.0	8.0	26.9	26.9	90.9	91.0	6.8		4.2		5							
					Middle	4.5	0.1	76	22.1	22.1	8.0	8.0	27.0	27.0	91.0	91.0	6.8	6.8	5.2	6.8	5				6.8	5		
						4.5	0.1	82	22.1		8.0	8.0	27.0	27.0	91.0	91.0	6.8		5.3		5							
					Bottom	8.0	0.1	83	22.1	22.1	7.9	7.9	27.0	27.0	91.1	91.1	6.8	6.8	6.1	6.8	6				6.8	6		
						8.0	0.1	89	22.1		7.9	7.9	27.0	27.0	91.0	91.0	6.8		6.2		6							
IM11	Misty	Moderate	11:41	7.8	Surface	1.0	0.2	83	21.9	21.9	8.0	8.0	27.3	27.3	89.7	89.7	6.7	6.7	3.7	4.7	5	5	821503	810555				
						1.0	0.2	90	21.9		8.0	8.0	27.4	27.4	89.7	89.7	6.7		3.6		5							
					Middle	3.9	0.2	85	21.9	21.9	8.0	8.0	27.4	27.4	89.8	89.8	6.7	6.7	4.8	6.7	5				6.7	5		
						3.9	0.2	89	21.9		8.0	8.0	27.4	27.4	89.8	89.8	6.7		4.8		4							
					Bottom	6.8	0.1	94	21.9	21.9	8.0	8.0	27.3	27.3	90.2	90.3	6.7	6.7	5.6	6.7	5				6.7	5		
						6.8	0.1	93	21.9		8.0	8.0	27.3	27.3	90.3	90.3	6.7		5.6		4							
IM12	Misty	Moderate	11:47	7.0	Surface	1.0	0.2	102	22.0	22.0	8.1	8.1	25.0	25.0	90.3	90.4	6.8	6.8	3.0	4.2	4	4	821167	811527				
						1.0	0.2	108	22.0		8.1	8.1	25.0	25.0	90.4	90.4	6.8		3.1		4							
					Middle	3.5	0.2	100	22.2	22.3	8.1	8.0	27.1	27.1	90.4	90.5	6.7	6.7	4.3	6.7	4				6.7	4		
						3.5	0.2	97	22.3		8.0	8.0	27.1	27.1	90.5	90.5	6.7		4.3		4							
					Bottom	6.0	0.2	102	22.4	22.5	8.0	8.0	26.9	26.9	91.0	91.2	6.8	6.8	5.1	6.8	5				6.8	5		
						6.0	0.2	102	22.5		8.0	8.0	26.8	26.9	91.4	91.4	6.8		5.1		4							
SR1A	Misty	Moderate	12:07	5.8	Surface	1.0	0.0	42	22.2	22.2	8.0	8.0	25.9	26.0	90.5	90.5	6.8	6.8	5.2	5.8	5	5	819983	812658				
						1.0	0.0	38	22.2		8.0	8.0	26.0	26.0	90.4	90.4	6.8		5.2		4							
					Middle	2.9	0.0	49	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.9	0.0	52	-		-	-	-	-	-	-	-		-		-					-		
					Bottom	4.8	0.0	29	22.1	22.1	7.9	7.9	26.9	26.9	90.4	90.3	6.8	6.8	6.4	6.8	5				6.8	5		
						4.8	0.0	21	22.1		7.9	7.9	26.8	26.9	90.2	90.2	6.7		6.5		4							
SR2	Misty	Moderate	12:18	5.2	Surface	1.0	0.3	35	22.1	22.1	8.0	8.0	26.8	26.8	91.7	91.7	6.9	6.9	5.3	5.7	5	5	821478	814176				
						1.0	0.3	37	22.1		8.0	8.0	26.9	26.8	91.7	91.7	6.9		5.4		4							
					Middle	-	0.2	66	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.2	72	-		-	-	-	-	-	-	-		-		-							
					Bottom	4.2	0.2	65	22.1	22.1	7.9	7.9	27.0	26.9	92.4	92.4	6.9	6.9	6.1	6.9	4				6.9	4		
						4.2	0.2	62	22.1		7.9	7.9	26.8	26.9	92.3	92.4	6.9		6.2		5							
SR3	Foggy	Moderate	12:04	8.7	Surface	1.0	0.1	114	21.5	21.5	7.8	7.8	25.2	25.2	87.9	87.9	6.7	6.7	6.9	8.7	5	6	822144	807587				
						1.0	0.0	117	21.5		7.8	7.8	25.2	25.2	87.9	87.9	6.7		7.2		5							
					Middle	4.4	0.1	100	21.4	21.4	7.8	7.8	27.5	27.5	88.0	88.0	6.6	6.6	9.2	6.6	4				6.6	4		
						4.4	0.2	102	21.4		7.8	7.8	27.6	27.5	88.0	88.0	6.6		9.2		6							
					Bottom	7.7	0.1	94	21.4	21.4	7.8	7.8	27.7	27.7	88.2	88.2	6.6	6.6	10.0	6.6	7				6.6	7		
						7.7	0.1	95	21.4		7.8	7.8	27.7	27.7	88.2	88.2	6.6		9.6		6							
SR4A	Foggy	Moderate	13:44	8.6	Surface	1.0	0.0	11	21.7	21.7	7.9	7.9	28.7	28.7	92.5	92.5	6.9	6.9	9.7	10.5	4	4	817207	807804				
						1.0	0.1	5	21.7		7.9	7.9	28.8	28.7	92.4	92.4	6.9		9.9		4							
					Middle	4.3	0.0	3	21.6	21.6	7.9	7.9	28.9	28.9	92.3	92.4	6.9	6.9	10.7	6.9	4				6.9	4		
						4.3	0.0	9	21.6		7.9	7.9	28.9	28.9	92.4	92.4	6.9		10.8		5							
					Bottom	7.6	0.0	26	21.6	21.6	7.9	7.9	28.9	28.9	92.5	92.6	6.9	6.9	10.8	6.9	4				6.9	4		
						7.6	0.0	20	21.6		7.9	7.9	28.9	28.9	92.6	92.6	6.9		10.9		4							
SR8	Misty	Moderate	11:52	4.2	Surface	1.0	-	-	22.3	22.3	8.0	8.0	25.5	25.6	90.8	90.8	6.8	6.8	5.6	5.8	4	5	820402	811609				
						1.0	-	-	22.3		8.0	8.0	25.6	25.6	90.8	90.8	6.8		5.6		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-		-	-	-	-	-	-	-		-		-							
					Bottom	3.2	-	-	22.1	22.1	7.9	7.9	26.5	26.5	90.5	90.3	6.8	6.8	6.1	6.8	5				6.8	5		
						3.2	-	-	22.1		7.9	7.9	26.4	26.5	90.1	90.1	6.7		6.2		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 06 April 23 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
C1	Foggy	Moderate	07:12	8.6	Surface	1.0	0.4	33	21.7	21.7	8.0	8.0	28.2	28.2	94.4	94.4	7.1	7.0	6.4	10.1	5	5	815642	804248		
						1.0	0.4	38	21.7		8.0		28.2		94.4		7.0		6.5		5					
					Middle	4.3	0.4	40	21.5	21.5	8.0	8.0	29.0	29.0	93.7	93.7	7.0	7.0	9.5	7.0	4				7.0	4
						4.3	0.4	44	21.5		8.0		29.0		93.6		7.0		9.7		5					
					Bottom	7.6	0.4	36	21.4	21.4	8.0	8.0	29.4	29.4	93.5	93.5	7.0	7.0	13.8	7.0	4				7.0	4
						7.6	0.4	40	21.4		8.0		29.4		93.5		7.0		14.8		4					
C2	Foggy	Moderate	08:46	12.4	Surface	1.0	0.5	0	21.6	21.6	7.9	7.9	24.6	24.6	91.1	91.2	7.0	7.0	4.0	30.1	5	5	825692	806963		
						1.0	0.5	359	21.6		7.9		24.6		91.2		7.0		4.0		6					
					Middle	6.2	0.4	2	21.5	21.5	7.9	7.9	28.0	28.0	92.9	93.0	7.0	7.0	18.8	7.0	5				7.0	5
						6.2	0.4	359	21.5		7.9		28.0		93.1		7.0		19.5		5					
					Bottom	11.4	0.4	344	21.5	21.5	7.9	7.9	28.1	28.1	94.0	94.1	7.0	7.1	71.7	7.1	5				7.1	5
						11.4	0.4	339	21.5		7.9		28.1		94.1		7.1		62.9		4					
C3	Misty	Moderate	07:31	10.8	Surface	1.0	0.5	259	21.6	21.6	8.1	8.0	28.9	28.9	87.8	87.8	6.5	6.5	1.3	2.2	8	6	822099	817795		
						1.0	0.5	256	21.6		8.0		28.9		87.8		6.5		1.2		7					
					Middle	5.4	0.5	247	21.6	21.6	8.0	8.0	28.9	29.0	87.9	87.9	6.5	6.5	2.1	6.5	6				6.5	6
						5.4	0.4	239	21.6		8.0		29.1		87.8		6.5		2.2		6					
					Bottom	9.8	0.5	270	21.5	21.5	8.0	8.0	29.3	29.3	88.0	88.3	6.6	6.6	3.1	6.6	5				6.6	5
						9.8	0.5	268	21.5		8.0		29.2		88.5		6.6		3.1		6					
IM1	Foggy	Moderate	07:39	6.6	Surface	1.0	0.3	9	21.6	21.6	8.0	8.0	27.9	28.0	94.0	93.9	7.0	7.0	6.5	8.9	4	5	818352	806454		
						1.0	0.3	7	21.6		8.0		28.1		93.8		7.0		6.7		4					
					Middle	3.3	0.2	7	21.4	21.4	8.0	8.0	29.6	29.6	92.8	92.8	6.9	6.9	9.9	6.9	4				6.9	4
						3.3	0.2	12	21.4		8.0		29.6		92.8		6.9		10.0		5					
					Bottom	5.6	0.3	39	21.4	21.4	8.0	8.0	29.6	29.6	93.0	93.1	6.9	6.9	10.4	6.9	5				6.9	5
						5.6	0.3	35	21.4		8.0		29.6		93.1		6.9		10.3		6					
IM2	Foggy	Moderate	07:42	6.7	Surface	1.0	0.2	1	21.7	21.7	8.0	8.0	27.8	27.8	94.8	94.8	7.1	7.1	6.7	9.4	3	4	819181	806225		
						1.0	0.2	5	21.7		8.0		27.9		94.7		7.1		7.2		3					
					Middle	3.4	0.2	15	21.5	21.5	8.0	8.0	29.3	29.3	94.6	94.7	7.1	7.1	10.0	7.1	3				7.1	3
						3.4	0.2	15	21.5		8.0		29.3		94.7		7.1		10.2		4					
					Bottom	5.7	0.2	27	21.4	21.4	8.0	8.0	29.6	29.6	95.1	95.2	7.1	7.1	11.1	7.1	5				7.1	5
						5.7	0.2	27	21.4		8.0		29.6		95.2		7.1		11.2		4					
IM7	Foggy	Moderate	08:03	7.6	Surface	1.0	0.2	350	21.7	21.7	8.0	8.0	25.8	25.8	92.5	92.6	7.0	7.0	6.6	10.5	9	7	821329	806844		
						1.0	0.2	350	21.7		8.0		25.8		92.6		7.0		6.8		8					
					Middle	3.8	0.2	355	21.6	21.6	7.9	7.9	27.8	27.8	93.1	93.2	7.0	7.0	10.8	7.0	7				7.0	7
						3.8	0.3	354	21.6		7.9		27.8		93.2		7.0		11.2		7					
					Bottom	6.6	0.2	6	21.6	21.6	7.9	7.9	28.7	28.6	94.4	94.5	7.1	7.1	13.8	7.1	4				7.1	4
						6.6	0.2	4	21.6		7.9		28.6		94.5		7.1		13.9		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 **06 April 23** 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	Misty	Moderate	08:44	8.6	Surface	1.0	0.3	311	22.0	22.0	8.0	8.0	26.9	26.9	90.5	90.5	6.8	6.8	1.7	2.8	6	5	822239	809852			
						1.0	0.3	309	22.0		8.0		27.0		90.5		6.8		1.6		4						
					Middle	4.3	0.3	314	22.0	8.0	27.2	27.2	90.5	90.6	6.8	6.8	2.8	5									
						4.3	0.3	319	22.0	8.0	27.3	27.3	90.6	90.6	6.8	6.8	2.7	5									
					Bottom	7.6	0.4	273	21.9	7.9	27.3	27.3	91.0	91.1	6.8	6.8	3.9	4									
						7.6	0.4	274	21.9	7.9	27.3	27.3	91.1	91.1	6.8	6.8	4.0	5									
IM11	Misty	Moderate	08:38	7.6	Surface	1.0	0.4	275	22.3	22.3	7.9	7.9	26.3	26.4	90.2	90.3	6.8	6.8	3.9	4.6	4	5	821505	810562			
						1.0	0.3	280	22.2		7.9		26.5		90.4		6.8		3.8		5						
					Middle	3.8	0.4	291	22.3	7.9	26.3	26.4	90.6	90.7	6.8	6.8	4.6	5									
						3.8	0.4	294	22.2	7.9	26.5	26.4	90.7	90.7	6.8	6.8	4.6	4									
					Bottom	6.6	0.4	264	22.1	7.8	26.6	26.6	90.2	90.2	6.7	6.7	5.4	5									
						6.6	0.4	257	22.1	7.8	26.6	26.6	90.2	90.2	6.7	6.7	5.5	5									
IM12	Misty	Moderate	08:31	8.0	Surface	1.0	0.5	280	22.2	22.2	8.0	8.0	25.5	25.5	90.5	90.6	6.8	6.8	2.8	3.6	5	6	821173	811505			
						1.0	0.5	285	22.2		8.0		25.5		90.6		6.8		2.7		6						
					Middle	4.0	0.4	291	22.2	8.0	25.5	25.6	90.6	90.7	6.8	6.8	3.7	6									
						4.0	0.4	294	22.2	8.0	25.6	25.6	90.8	90.8	6.8	6.8	3.9	6									
					Bottom	7.0	0.4	295	22.1	8.0	25.9	25.9	90.7	90.8	6.8	6.8	4.2	7									
						7.0	0.4	296	22.2	7.9	25.8	25.9	90.8	90.8	6.8	6.8	4.2	6									
SR1A	Misty	Moderate	08:09	4.8	Surface	1.0	0.0	193	22.0	22.0	8.0	8.0	25.7	25.8	89.7	89.6	6.8	6.8	2.8	3.2	5	5	819973	812663			
						1.0	0.0	195	22.0		8.0		25.8		89.5		89.6		6.7		6.7				2.7	6	
					Middle	2.4	0.0	206	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						2.4	0.1	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	3.8	0.0	210	22.0	8.0	26.5	26.3	89.1	89.1	6.7	6.7	3.8	4									
						3.8	0.0	212	22.0	8.0	26.0	26.3	89.1	89.1	6.7	6.7	3.7	5									
SR2	Misty	Moderate	07:53	5.0	Surface	1.0	0.0	225	21.6	21.6	8.1	8.1	28.8	28.8	88.0	88.0	6.6	6.6	2.2	2.7	6	7	821477	814175			
						1.0	0.0	232	21.6		8.1		28.8		88.0		88.0		6.6		6.6				2.3	6	
					Middle	-	0.1	248	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						-	0.0	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.0	0.1	248	21.6	8.1	29.0	29.0	87.8	87.8	6.5	6.5	3.2	7									
						4.0	0.2	251	21.6	8.1	29.0	29.0	87.8	87.8	6.5	6.5	3.2	7									
SR3	Foggy	Moderate	08:09	9.2	Surface	1.0	0.3	356	21.5	21.5	7.9	7.9	25.4	25.4	89.2	89.3	6.8	6.8	8.3	11.2	6	6	822143	807588			
						1.0	0.2	354	21.5		7.9		25.4		89.4		89.3		6.8		6.8				8.7	6	
					Middle	4.6	0.3	326	21.5	7.9	27.8	27.9	90.8	90.9	6.8	6.8	11.0	6									
						4.6	0.3	328	21.5	7.9	27.9	27.9	91.0	91.0	6.8	6.8	11.4	5									
					Bottom	8.2	0.3	352	21.5	7.9	28.2	28.2	91.6	91.6	6.9	6.9	14.3	5									
						8.2	0.3	349	21.5	7.9	28.2	28.2	91.6	91.6	6.9	6.9	13.2	5									
SR4A	Foggy	Moderate	06:44	8.9	Surface	1.0	0.0	206	21.6	21.6	8.0	8.0	28.6	28.6	92.6	92.6	6.9	6.9	9.2	10.5	4	4	817172	807809			
						1.0	0.0	200	21.6		8.0		28.6		92.6		92.6		6.9		6.9				9.2	3	
					Middle	4.5	0.0	175	21.6	8.0	28.8	28.8	92.5	92.5	6.9	6.9	10.0	5									
						4.5	0.1	170	21.6	8.0	28.8	28.8	92.5	92.5	6.9	6.9	10.1	4									
					Bottom	7.9	0.1	199	21.6	8.0	28.9	28.9	93.1	93.2	6.9	6.9	12.4	4									
						7.9	0.1	200	21.6	8.0	28.9	28.9	93.2	93.2	6.9	6.9	12.4	5									
SR8	Misty	Moderate	08:26	5.4	Surface	1.0	-	-	22.2	22.2	8.0	8.0	26.5	26.5	93.0	93.1	6.9	7.0	3.6	3.8	5	4	820378	811617			
						1.0	-	-	22.2		8.0		26.5		93.1		93.1		7.0		7.0				3.5	4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
					Bottom	4.4	-	-	22.0	7.9	27.0	26.9	91.5	91.1	6.8	6.9	4.1	4									
						4.4	-	-	22.1	7.9	26.7	26.9	90.7	90.7	6.9	6.9	4.2	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 08 April 23 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	Cloudy	Rough	14:42	7.3	Surface	1.0	0.5	219	21.2	21.2	8.1	8.1	28.5	28.5	95.3	95.3	7.2	7.2	5.2	5.9	8	7	815636	804252			
						1.0	0.4	220	21.2		8.1		28.5		95.3		7.2		5.2		7						
					Middle	3.7	0.5	205	21.2	21.2	8.1	8.1	28.5	28.5	94.4	94.4	7.1	7.1	5.2	7.0	7.3				7.0	6	6
						3.7	0.5	199	21.2		8.1		28.5		94.4		7.1		5.2		7						
					Bottom	6.3	0.5	215	21.2	21.2	8.2	8.2	31.1	31.1	94.3	94.3	7.0	7.0	7.4	6.8	7.4				6.8	6	6
						6.3	0.5	222	21.2		8.2		31.1		94.3		7.0		7.4		6						
C2	Cloudy	Rough	12:44	9.1	Surface	1.0	0.2	165	21.4	21.4	8.0	8.0	26.3	26.3	90.4	90.4	6.9	6.9	3.7	5.5	5	5	825696	806932			
						1.0	0.2	168	21.4		8.0		26.3		90.4		6.9		3.7		5						
					Middle	4.6	0.2	172	21.4	21.4	8.0	8.0	26.6	26.6	89.8	89.8	6.8	6.8	4.4	6.8	4.4				6.8	5	5
						4.6	0.2	166	21.4		8.0		26.7		89.8		6.8		4.4		5						
					Bottom	8.1	0.2	163	21.4	21.4	8.0	8.0	27.5	27.5	89.7	89.7	6.8	6.8	8.4	6.8	8.4				6.8	6	6
						8.1	0.2	158	21.4		8.0		27.5		89.7		6.8		8.4		5						
C3	Fine	Moderate	13:35	10.8	Surface	1.0	0.5	77	21.6	21.6	8.0	8.0	29.0	29.1	86.4	86.4	6.4	6.4	4.3	5.4	3	3	822118	817809			
						1.0	0.5	83	21.6		8.0		29.3		86.4		6.4		4.4		3						
					Middle	5.4	0.4	78	21.6	21.6	8.0	8.0	29.5	29.9	86.6	86.6	6.4	6.4	5.8	6.5	5.8				6.5	3	3
						5.4	0.4	78	21.6		8.0		30.3		87.2		6.4		6.0		2						
					Bottom	9.8	0.4	74	21.6	21.6	8.0	8.0	30.3	30.3	87.3	87.3	6.5	6.5	6.0	6.5	6.0				6.5	2	2
						9.8	0.4	68	21.6		8.0		30.3		87.3		6.5		6.0		2						
IM1	Cloudy	Rough	14:15	6.4	Surface	1.0	0.3	200	21.1	21.1	8.1	8.1	28.0	28.0	94.9	94.9	7.2	7.2	3.9	4.2	4	5	818371	806440			
						1.0	0.4	205	21.1		8.1		28.0		94.8		7.2		3.9		4						
					Middle	3.2	0.2	168	21.2	21.2	8.1	8.1	29.0	29.0	93.7	93.7	7.0	7.0	4.3	7.0	4.5				7.0	5	5
						3.2	0.3	164	21.2		8.1		28.9		93.6		7.0		4.1		4						
					Bottom	5.4	0.2	182	21.2	21.2	8.2	8.2	30.9	30.9	93.7	93.7	6.9	7.0	4.1	7.0	4.1				7.0	6	6
						5.4	0.3	188	21.2		8.2		30.9		93.7		7.0		4.3		5						
IM2	Cloudy	Rough	14:01	7.6	Surface	1.0	0.3	184	21.1	21.1	8.1	8.1	27.8	27.8	95.3	95.3	7.2	7.2	4.1	6.0	5	5	819182	806229			
						1.0	0.3	191	21.1		8.1		27.8		95.3		7.2		4.2		5						
					Middle	3.8	0.3	196	21.2	21.2	8.2	8.2	30.2	30.1	94.1	94.1	7.0	7.0	6.5	6.9	6.5				6.9	4	4
						3.8	0.3	201	21.2		8.2		30.1		94.1		7.0		6.5		4						
					Bottom	6.6	0.2	189	21.2	21.2	8.2	8.2	31.3	31.3	93.6	93.6	6.9	6.9	7.2	6.8	7.2				6.8	4	4
						6.6	0.3	185	21.2		8.2		31.3		93.6		6.9		7.4		4						
IM7	Cloudy	Rough	13:27	8.1	Surface	1.0	0.2	140	21.3	21.3	8.0	8.0	26.0	26.0	92.3	92.3	7.0	7.0	3.9	6.3	6	5	821330	806827			
						1.0	0.2	141	21.3		8.0		26.0		92.3		7.0		3.9		6						
					Middle	4.1	0.2	133	21.2	21.2	8.1	8.1	29.4	29.4	91.6	91.6	6.9	6.9	6.8	6.8	6.8				6.8	6	6
						4.1	0.2	128	21.2		8.1		29.4		91.6		6.9		6.8		5						
					Bottom	7.1	0.2	153	21.2	21.2	8.1	8.1	29.8	29.8	91.7	91.8	6.8	6.8	8.2	6.8	8.2				6.8	4	4
						7.1	0.2	160	21.2		8.1		29.8		91.8		6.8		8.2		3						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 08 April 23 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	Fine	Moderate	12:37	9.4	Surface	1.0	0.3	94	21.7	21.7	8.0	8.0	25.7	25.8	91.8	91.8	6.9	6.9	2.3	4.2	4	4	822236	809846					
						1.0	0.3	93	21.7		8.0	8.0	25.9	26.9	91.8	91.9	6.9		2.3		3								
					Middle	4.7	0.2	82	21.7	8.0	8.0	26.9	26.9	91.9	91.9	6.9	6.9	4.8	4										
						4.7	0.2	85	21.7	8.0	8.0	26.9	26.9	91.9	91.9	6.9	6.9	4.6	3										
					Bottom	8.4	0.3	92	21.7	7.9	7.9	28.2	28.2	92.0	92.0	6.9	6.9	5.7	4										
						8.4	0.3	88	21.7	7.9	7.9	28.2	28.2	92.0	92.0	6.9	6.9	5.7	3										
IM11	Fine	Moderate	12:44	7.6	Surface	1.0	0.3	94	21.8	21.8	7.9	7.9	25.3	25.3	91.4	91.4	6.9	6.9	5.6	6.4	4	4	821511	810557					
						1.0	0.2	96	21.8		7.9	7.9	25.3	25.3	91.4	91.4	6.9		6.9		5.6				3				
					Middle	3.8	0.3	68	21.8	7.9	7.9	25.8	26.5	91.5	91.5	6.9	6.9	6.5	4										
						3.8	0.3	71	21.8	7.9	7.9	27.2	26.5	91.5	91.5	6.9	6.9	6.5	4										
					Bottom	6.6	0.3	74	21.8	7.9	7.8	27.5	27.6	91.8	91.9	6.9	6.9	7.1	4										
						6.6	0.3	74	21.8	7.8	7.8	27.7	27.6	92.0	91.9	6.9	6.9	7.1	4										
IM12	Fine	Moderate	12:51	7.2	Surface	1.0	0.3	106	21.9	21.9	7.9	7.9	26.4	26.5	88.4	88.5	6.6	6.7	2.6	3.5	2	3	821181	811505					
						1.0	0.3	108	21.9		7.9	7.9	26.5	26.5	88.5	88.5	6.7		6.7		2.5				3				
					Middle	3.6	0.3	76	21.9	7.9	7.9	26.9	27.1	88.8	88.9	6.7	6.7	3.1	4										
						3.6	0.4	75	21.9	7.9	7.9	27.3	27.1	88.9	88.9	6.7	6.7	3.1	3										
					Bottom	6.2	0.3	84	21.8	7.9	7.9	27.4	27.2	89.5	89.6	6.7	6.7	4.9	4										
						6.2	0.3	81	21.9	7.9	7.9	27.1	27.2	89.7	89.6	6.7	6.7	5.0	4										
SR1A	Fine	Moderate	13:02	5.6	Surface	1.0	0.0	75	21.9	21.9	8.0	8.0	26.5	26.5	88.4	88.4	6.6	6.6	2.8	3.0	4	4	819982	812658					
						1.0	-	75	21.9		8.0	8.0	26.5	26.5	88.4	88.4	6.6		6.6		2.8				3				
					Middle	2.8	0.0	93	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						2.8	0.1	86	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.6	-	83	21.9	7.9	7.9	26.4	26.4	88.3	88.3	6.6	6.6	3.1	4										
						4.6	-	88	21.9	7.9	7.9	26.4	26.4	88.3	88.3	6.6	6.6	3.1	4										
SR2	Fine	Moderate	13:19	5.8	Surface	1.0	0.3	63	21.8	21.8	7.9	7.9	27.2	27.4	89.9	90.0	6.8	6.8	2.3	2.8	4	3	821463	814185					
						1.0	0.3	70	21.8		7.9	7.9	27.5	27.4	90.0	90.0	6.7		6.7		2.4				4				
					Middle	-	0.3	64	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	0.2	61	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.8	0.3	53	21.8	7.8	7.8	28.2	28.0	91.2	91.5	6.8	6.9	3.3	2										
						4.8	0.4	51	21.8	7.8	7.8	27.8	28.0	91.8	91.5	6.9	6.9	3.3	2										
SR3	Cloudy	Rough	13:17	8.3	Surface	1.0	0.3	154	21.4	21.4	8.0	8.0	25.7	25.7	91.1	91.1	6.9	6.9	2.6	6.5	4	4	822144	807568					
						1.0	0.2	161	21.4		8.0	8.0	25.7	25.7	91.1	91.1	6.9		6.9		2.6				4				
					Middle	4.2	0.3	153	21.3	8.0	8.0	27.5	27.5	90.4	90.4	6.8	6.8	7.2	4										
						4.2	0.3	148	21.3	8.0	8.0	27.5	27.5	90.4	90.4	6.8	6.8	7.2	4										
					Bottom	7.3	0.3	129	21.2	8.1	8.1	29.3	29.3	92.7	92.7	6.9	6.9	9.8	4										
						7.3	0.2	130	21.2	8.1	8.1	29.3	29.3	92.7	92.7	6.9	6.9	9.8	4										
SR4A	Cloudy	Moderate	15:09	9.9	Surface	1.0	0.0	57	21.2	21.2	8.1	8.1	29.3	29.3	92.7	92.7	6.9	6.9	5.1	7.0	7	7	817174	807816					
						1.0	0.0	56	21.2		8.1	8.1	29.3	29.3	92.6	92.6	6.9		6.9		5.1				8				
					Middle	5.0	0.0	78	21.2	8.1	8.1	29.5	29.5	91.7	91.7	6.9	6.9	6.3	7										
						5.0	0.0	82	21.2	8.1	8.1	29.5	29.5	91.7	91.7	6.9	6.9	6.3	7										
					Bottom	8.9	0.0	42	21.3	8.1	8.1	29.7	29.7	91.0	91.0	6.8	6.8	9.5	7										
						8.9	0.0	49	21.3	8.1	8.1	29.7	29.7	91.0	91.0	6.8	6.8	9.5	6										
SR8	Fine	Moderate	12:54	5.4	Surface	1.0	-	-	21.9	21.9	7.9	7.9	26.6	26.7	89.3	89.3	6.7	6.7	5.8	5.9	4	3	820371	811604					
						1.0	-	-	21.9		7.9	7.9	26.7	26.7	89.3	89.3	6.7		6.7		5.7				3				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
					Bottom	4.4	-	-	21.9	7.9	7.8	27.0	27.1	90.7	90.9	6.8	6.8	6.1	2										
						4.4	-	-	21.9	7.8	7.8	27.1	27.1	91.0	91.0	6.8	6.8	6.1	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 08 April 23 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	Cloudy	Rough	07:05	8.1	Surface	1.0	0.2	17	21.1	21.1	8.1	8.1	27.7	27.7	94.6	94.6	7.2	7.2	5.7	6.7	7	7	815638	804236
						1.0	0.2	12	21.1	8.1	8.1	27.7	27.7	94.6	94.6	7.2	7.2	5.7	6.7	7				
					Middle	4.1	0.2	46	21.1	21.1	8.1	8.1	28.5	28.5	94.2	94.2	7.1	7.1	6.9	6.7	7			
						4.1	0.2	48	21.1	21.1	8.1	8.1	28.5	28.5	94.2	94.2	7.1	7.1	7.0	6.7	6			
					Bottom	7.1	0.2	24	21.1	21.1	8.1	8.1	29.1	29.1	94.9	95.0	7.1	7.1	7.3	6.7	6			
						7.1	0.2	21	21.1	21.1	8.1	8.1	29.1	29.1	95.0	95.0	7.1	7.1	7.3	6.7	7			
C2	Cloudy	Rough	08:47	9.7	Surface	1.0	0.4	354	21.4	21.4	8.0	8.0	26.9	26.9	89.8	89.8	6.8	6.8	5.1	7.9	6	6	825678	806939
						1.0	0.4	359	21.4	21.4	8.0	8.0	26.9	26.9	89.8	89.8	6.8	6.8	5.0	7.9	6			
					Middle	4.9	0.4	8	21.4	21.4	8.0	8.0	27.4	27.4	90.2	90.2	6.8	6.8	8.0	7.9	6			
						4.9	0.4	11	21.4	21.4	8.0	8.0	27.4	27.4	90.2	90.2	6.8	6.8	7.9	7.9	7			
					Bottom	8.7	0.4	0	21.3	21.3	8.1	8.1	28.9	28.9	91.0	91.1	6.8	6.8	10.7	6.8	6			
						8.7	0.3	5	21.3	21.3	8.1	8.1	28.9	28.9	91.1	91.1	6.8	6.8	10.7	6.8	7			
C3	Fine	Moderate	07:55	12.0	Surface	1.0	0.5	261	21.6	21.6	8.1	8.1	29.9	29.9	86.4	86.4	6.4	6.4	2.6	3.7	5	4	822109	817819
						1.0	0.4	262	21.6	21.6	8.1	8.1	30.0	29.9	86.4	86.4	6.4	6.4	2.7	3.7	5			
					Middle	6.0	0.5	258	21.6	21.6	8.1	8.1	30.3	30.3	86.2	86.2	6.4	6.4	3.6	6.4	5			
						6.0	0.5	254	21.6	21.6	8.1	8.1	30.3	30.3	86.2	86.2	6.4	6.4	3.4	6.4	4			
					Bottom	11.0	0.5	236	21.6	21.6	8.0	8.0	30.5	30.5	86.4	86.4	6.4	6.4	5.1	6.4	4			
						11.0	0.5	241	21.6	21.6	8.0	8.0	30.5	30.5	86.4	86.4	6.4	6.4	5.0	6.4	3			
IM1	Cloudy	Moderate	07:31	6.9	Surface	1.0	0.2	29	21.1	21.2	8.1	8.1	27.5	27.5	93.6	93.6	7.1	7.1	8.1	7.0	6	6	818341	806454
						1.0	0.2	23	21.2	21.2	8.1	8.1	27.5	27.5	93.6	93.6	7.1	7.1	8.2	7.0	6			
					Middle	3.5	0.2	4	21.2	21.2	8.1	8.1	30.7	30.7	93.2	93.2	6.9	6.9	7.8	7.0	6			
						3.5	0.1	359	21.2	21.2	8.1	8.1	30.7	30.7	93.2	93.2	6.9	6.9	7.8	7.0	5			
					Bottom	5.9	0.1	3	21.2	21.2	8.1	8.1	31.0	31.0	93.3	93.3	6.9	6.9	9.2	7.0	6			
						5.9	0.1	359	21.2	21.2	8.1	8.1	31.0	31.0	93.3	93.3	6.9	6.9	9.2	7.0	5			
IM2	Cloudy	Moderate	07:44	6.6	Surface	1.0	0.2	349	21.2	21.2	8.1	8.1	27.7	27.6	94.1	94.1	7.1	7.1	6.0	7.1	4	4	819202	806251
						1.0	0.2	349	21.2	21.2	8.1	8.1	27.6	27.6	94.1	94.1	7.1	7.1	6.1	7.1	4			
					Middle	3.3	0.1	1	21.2	21.2	8.1	8.1	30.6	30.6	93.7	93.7	7.0	7.0	9.0	7.1	4			
						3.3	0.1	357	21.2	21.2	8.1	8.1	30.7	30.6	93.7	93.7	7.0	7.0	9.1	7.1	4			
					Bottom	5.6	0.1	325	21.2	21.2	8.1	8.1	31.0	31.0	94.2	94.2	7.0	7.0	11.6	7.1	5			
						5.6	0.1	322	21.2	21.2	8.1	8.1	31.0	31.0	94.2	94.2	7.0	7.0	11.7	7.1	4			
IM7	Cloudy	Rough	08:13	7.9	Surface	1.0	0.2	334	21.3	21.3	8.0	8.0	26.3	26.3	92.5	92.5	7.0	7.0	3.1	6.2	5	4	821343	806826
						1.0	0.3	340	21.3	21.3	8.0	8.0	26.3	26.3	92.4	92.5	7.0	7.0	3.1	6.2	4			
					Middle	4.0	0.2	336	21.2	21.2	8.1	8.1	29.3	29.3	91.7	91.7	6.9	6.9	6.8	6.2	5			
						4.0	0.2	335	21.2	21.2	8.1	8.1	29.3	29.3	91.7	91.7	6.9	6.9	6.8	6.2	4			
					Bottom	6.9	0.2	326	21.2	21.2	8.1	8.1	29.4	29.4	91.8	91.9	6.9	6.9	8.7	6.2	3			
						6.9	0.2	329	21.2	21.2	8.1	8.1	29.4	29.4	91.9	91.9	6.9	6.9	8.7	6.2	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 08 April 23 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		
IM10	Fine	Moderate	09:06	9.0	Surface	1.0	0.4	300	21.8	21.8	8.0	8.0	25.7	25.7	91.7	91.7	6.9	6.9	6.9	6.0	4.5	3	822222	809822
						1.0	0.4	303	21.8		8.0	8.0	25.7	25.7	91.7	91.7	6.9	6.9						
					Middle	4.5	0.3	303	21.7	21.7	7.9	7.9	27.6	27.2	92.1	92.1	6.9	6.9	6.9	6.0	4.4	3		
						4.5	0.3	306	21.7		7.9	7.9	26.8	27.2	92.1	92.1	6.9	6.9						
					Bottom	8.0	0.4	281	21.7	21.8	7.9	7.9	28.0	28.1	92.3	92.4	6.9	6.9	6.9	6.0	4.5	3		
						8.0	0.4	283	21.8		7.9	7.9	28.2	28.1	92.5	92.4	6.9	6.9						
IM11	Fine	Moderate	08:58	8.8	Surface	1.0	0.5	283	21.8	21.8	7.9	7.9	27.1	27.1	89.1	89.2	7.9	7.9	7.9	5.4	4.0	4	821482	810533
						1.0	0.4	287	21.8		7.9	7.9	27.1	27.1	89.2	89.2	7.9	7.9						
					Middle	4.4	0.5	283	21.8	21.8	7.9	7.9	27.2	27.2	89.5	89.6	7.9	7.9	7.9	5.4	4.1	5		
						4.4	0.5	283	21.8		7.9	7.9	27.2	27.2	89.6	89.6	7.9	7.9						
					Bottom	7.8	0.5	281	21.8	21.8	7.8	7.8	27.3	27.2	90.6	90.9	8.0	8.1	8.1	5.4	5.7	4		
						7.8	0.5	283	21.8		7.8	7.8	27.2	27.2	91.1	90.9	8.1	8.1						
IM12	Fine	Moderate	08:51	8.6	Surface	1.0	0.5	275	21.8	21.8	7.9	7.9	27.3	27.3	89.2	89.2	6.7	6.7	6.7	4.3	3.1	5	821151	811500
						1.0	0.5	269	21.8		7.9	7.9	27.3	27.3	89.2	89.2	6.7	6.7						
					Middle	4.3	0.5	274	21.8	21.8	7.9	7.9	27.4	27.4	89.6	89.7	6.7	6.7	6.7	4.3	3.1	5		
						4.3	0.5	274	21.8		7.9	7.9	27.4	27.4	89.8	89.7	6.7	6.7						
					Bottom	7.6	0.5	285	21.8	21.8	7.9	7.8	27.5	27.4	90.6	90.8	6.8	6.8	6.8	4.3	4.8	5		
						7.6	0.5	281	21.8		7.8	7.8	27.4	27.4	90.9	90.8	6.8	6.8						
SR1A	Fine	Moderate	08:32	4.4	Surface	1.0	0.1	207	21.9	21.9	7.9	7.9	26.5	26.6	88.9	89.0	6.7	6.7	6.7	4.1	3.7	3	819977	812656
						1.0	0.1	206	21.9		7.9	7.9	26.6	26.6	89.0	89.0	6.7	6.7						
					Middle	2.2	0.0	185	-	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3		
						2.2	0.1	185	-		-	-	-	-	-	-	-	-						
					Bottom	3.4	0.0	215	21.9	21.9	7.9	7.9	26.6	26.6	89.6	90.6	6.7	6.8	6.8	4.1	4.4	4		
						3.4	0.1	216	21.9		7.8	7.9	26.6	26.6	91.5	90.6	6.9	6.8						
SR2	Fine	Moderate	08:16	4.8	Surface	1.0	0.1	240	21.9	21.9	7.9	7.9	27.0	27.0	89.0	89.0	6.7	6.7	6.7	4.0	3.9	3	821460	814174
						1.0	0.1	235	21.9		7.9	7.9	27.0	27.0	89.0	89.0	6.7	6.7						
					Middle	-	0.1	251	-	-	-	-	-	-	-	-	-	-	-	4.0	3.9	3		
						-	0.1	257	-		-	-	-	-	-	-	-	-						
					Bottom	3.8	0.1	268	21.9	21.9	7.8	7.8	27.0	27.0	89.8	89.9	6.7	6.7	6.7	4.0	4.1	4		
						3.8	0.2	266	21.9		7.8	7.8	27.0	27.0	90.0	89.9	6.7	6.7						
SR3	Cloudy	Rough	08:21	8.4	Surface	1.0	0.3	343	21.4	21.4	8.0	8.0	25.5	25.5	90.8	90.8	6.9	6.9	6.9	5.8	2.4	3	822145	807572
						1.0	0.3	346	21.4		8.0	8.0	25.5	25.5	90.8	90.8	6.9	6.9						
					Middle	4.2	0.3	314	21.4	21.4	8.0	8.0	27.0	27.0	90.4	90.4	6.8	6.8	6.8	5.8	2.5	4		
						4.2	0.3	308	21.4		8.0	8.0	27.0	27.0	90.4	90.4	6.8	6.8						
					Bottom	7.4	0.3	347	21.3	21.3	8.0	8.0	27.7	27.7	90.9	91.0	6.9	6.9	6.9	5.8	5.6	4		
						7.4	0.3	340	21.3		8.0	8.0	27.7	27.7	91.0	91.0	6.9	6.9						
SR4A	Cloudy	Moderate	06:35	10.4	Surface	1.0	0.0	169	21.2	21.2	7.9	7.9	28.3	28.3	92.4	92.4	7.0	7.0	7.0	8.1	8.1	14	817175	807788
						1.0	0.0	164	21.2		7.9	7.9	28.3	28.3	92.4	92.4	7.0	7.0						
					Middle	5.2	0.1	191	21.2	21.2	7.9	7.9	29.0	29.0	92.0	92.0	6.9	6.9	6.9	8.1	8.2	13		
						5.2	0.1	192	21.2		7.9	7.9	29.0	29.0	92.0	92.0	6.9	6.9						
					Bottom	9.4	0.0	159	21.2	21.2	7.9	7.9	29.3	29.3	91.9	92.0	6.9	6.9	6.9	8.1	6.8	12		
						9.4	0.1	155	21.2		7.9	7.9	29.3	29.3	92.0	92.0	6.9	6.9						
SR8	Fine	Moderate	08:47	4.8	Surface	1.0	-	-	22.0	22.0	7.9	7.9	27.1	27.1	89.4	89.5	6.7	6.7	6.7	5.1	4.3	3	820399	811619
						1.0	-	-	22.0		7.9	7.9	27.1	27.1	89.5	89.5	6.7	6.7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	4.3	4		
						-	-	-	-		-	-	-	-	-	-	-	-						
					Bottom	3.8	-	-	22.0	22.0	7.9	7.8	27.1	27.1	90.0	90.2	6.7	6.8	6.8	5.1	5.8	5		
						3.8	-	-	22.0		7.8	7.8	27.1	27.1	90.3	90.2	6.8	6.8						

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 11 April 23 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	Cloudy	Moderate	16:27	8.3	Surface	1.0	0.6	208	21.2	21.2	8.1	8.1	25.3	25.3	92.5	92.5	7.1	7.0	6.6	6.8	4	3	815610	804224
						1.0	0.6	209	21.2		8.1		25.3		92.4		7.1		6.7					
					Middle	4.2	0.6	204	21.1	21.1	8.0	8.0	30.0	30.0	92.5	92.6	6.9	7.0	7.1	6.8	3	3		
						4.2	0.6	201	21.1		8.0		30.0		92.6		6.9		7.1					
					Bottom	7.3	0.6	231	21.1	21.1	8.0	8.0	29.8	29.8	93.9	94.0	7.0	7.0	6.2	6.8	3	3		
						7.3	0.6	227	21.1		8.0		29.8		94.0		7.0		6.9					
C2	Cloudy	Moderate	14:48	11.9	Surface	1.0	0.5	170	21.4	21.4	8.0	8.0	26.0	26.1	90.2	90.2	6.9	6.9	3.7	4.1	5	5	825696	806963
						1.0	0.4	162	21.3		8.0		26.1		90.1		6.9		3.8					
					Middle	6.0	0.4	158	21.3	21.3	8.0	8.0	26.5	26.5	89.9	90.0	6.8	6.9	4.6	6.9	5	5		
						6.0	0.4	151	21.3		8.0		26.5		90.0		6.8		4.6					
					Bottom	10.9	0.4	187	21.4	21.4	8.0	8.0	26.2	26.2	90.7	90.8	6.9	6.9	4.2	6.9	5	5		
						10.9	0.4	193	21.4		8.0		26.2		90.8		6.9		4.1		6			
C3	Fine	Moderate	15:37	10.4	Surface	1.0	0.5	65	21.8	21.8	8.1	8.1	28.8	28.9	84.2	84.1	6.2	6.2	1.1	2.0	3	3	822131	817797
						1.0	0.6	61	21.8		8.1		29.1		84.0		6.2		1.0					
					Middle	5.2	0.6	97	21.8	21.8	8.1	8.1	29.3	29.7	84.4	84.5	6.2	6.3	2.0	6.3	2	6.3		
						5.2	0.6	90	21.8		8.1		30.1		84.6		6.2		2.0					
					Bottom	9.4	0.6	55	21.8	21.8	8.1	8.1	30.1	30.1	85.1	85.2	6.3	6.3	2.9	6.3	2	6.3		
						9.4	0.6	62	21.8		8.1		30.1		85.3		6.3		2.9		2			
IM1	Cloudy	Moderate	16:02	6.5	Surface	1.0	0.4	200	21.2	21.2	8.0	8.0	25.8	25.4	91.1	91.1	7.0	7.0	7.4	9.2	3	4	818351	806454
						1.0	0.4	200	21.2		8.0		25.0		91.0		7.0		7.9					
					Middle	3.3	0.3	201	21.1	21.2	8.0	8.0	28.1	28.1	90.8	90.9	6.9	6.9	10.0	6.9	4	6.9		
						3.3	0.3	203	21.2		8.0		28.1		90.9		6.9		9.3					
					Bottom	5.5	0.4	190	21.2	21.2	8.0	8.0	28.2	28.2	92.0	92.0	6.9	6.9	10.4	6.9	5	6.9		
						5.5	0.4	191	21.2		8.0		28.2		92.0		6.9		10.4		4			
IM2	Cloudy	Moderate	15:58	7.4	Surface	1.0	0.4	181	21.2	21.2	8.1	8.1	27.6	27.6	91.3	91.2	6.9	6.9	6.2	9.5	4	4	819168	806254
						1.0	0.4	187	21.2		8.1		27.5		91.1		6.9		6.5					
					Middle	3.7	0.4	192	21.2	21.2	8.0	8.0	28.1	28.1	90.0	90.0	6.8	6.8	9.9	6.8	4	6.8		
						3.7	0.4	196	21.2		8.0		28.2		90.0		6.8		9.2					
					Bottom	6.4	0.3	176	21.1	21.1	8.0	8.0	28.4	28.3	90.6	90.7	6.8	6.8	12.9	6.8	4	6.8		
						6.4	0.4	182	21.1		8.0		28.3		90.8		6.8		12.0		4			
IM7	Cloudy	Moderate	15:19	8.8	Surface	1.0	0.2	159	21.5	21.5	8.0	8.0	26.5	26.5	91.5	91.4	6.9	6.9	4.7	6.5	6	4	821333	806851
						1.0	0.2	165	21.4		8.0		26.6		91.3		6.9		4.9					
					Middle	4.4	0.2	144	21.3	21.3	8.1	8.1	27.4	27.5	90.4	90.4	6.8	6.8	6.3	6.8	4	6.8		
						4.4	0.2	142	21.3		8.1		27.5		90.3		6.8		6.5					
					Bottom	7.8	0.2	148	21.2	21.2	8.0	8.0	28.2	28.2	90.0	90.1	6.8	6.8	8.2	6.8	3	6.8		
						7.8	0.2	150	21.2		8.0		28.2		90.1		6.8		8.2		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 11 April 23 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	DA		
IM10	Fine	Moderate	14:43	9.4	Surface	1.0	0.4	101	21.9	21.9	8.0	8.0	25.7	25.8	90.4	90.5	6.8	6.8	4.3	6.8	4	4	822254	809833				
						1.0	0.3	99	21.9		8.0		25.9		90.5		6.8		4.3		5							
					Middle	4.7	0.5	108	21.9	8.0	8.0	26.8	26.9	90.8	90.9	6.8	6.8	5.0	3									
						4.7	0.5	107	21.9	8.0	8.0	26.9		90.9		6.8	6.8	5.1	4									
					Bottom	8.4	0.4	109	21.9	8.0	8.0	28.2	28.2	91.3	91.5	6.8	6.8	6.6	3									
						8.4	0.4	112	21.9	8.0	8.0	28.2		91.6		91.5	6.8	6.8	6.7	3								
IM11	Fine	Moderate	14:50	7.8	Surface	1.0	0.5	78	22.0	22.0	8.0	8.0	25.2	25.3	87.2	87.2	6.6	6.6	3.1	6.6	3	3	821512	810531				
						1.0	0.5	82	22.0		8.0		25.3		87.2		6.6		3.1		2							
					Middle	3.9	0.4	108	22.0	8.0	8.0	25.8	26.5	87.2	87.2	6.6	6.6	4.2	2									
						3.9	0.4	114	22.0	8.0	8.0	27.2		87.2		6.5	6.5	4.2	3									
					Bottom	6.8	0.5	85	22.0	8.0	8.0	27.5	27.6	87.5	87.6	6.5	6.5	5.3	3									
						6.8	0.5	77	22.0	8.0	8.0	27.7		87.6		87.6	6.5	6.5	5.4	3								
IM12	Fine	Moderate	14:54	7.0	Surface	1.0	0.5	105	22.1	22.1	8.0	8.0	26.4	26.4	87.6	87.6	6.5	6.5	2.5	6.5	2	3	821155	811499				
						1.0	0.5	109	22.1		8.0		26.5		87.5		6.5		2.5		3							
					Middle	3.5	0.5	102	22.1	8.0	8.0	26.9	27.1	87.4	87.4	6.5	6.5	2.6	3									
						3.5	0.5	104	22.1	8.0	8.0	27.3		87.3		6.5	6.5	2.7	3									
					Bottom	6.0	0.5	111	22.0	8.0	8.0	27.4	27.2	87.8	88.0	6.5	6.6	3.2	3									
						6.0	0.5	115	22.1	8.0	8.0	27.0		88.1		88.0	6.6	6.6	3.1	3								
SR1A	Fine	Moderate	15:08	5.0	Surface	1.0	0.0	86	22.1	22.1	8.1	8.1	26.3	26.3	87.0	87.0	6.5	6.5	3.9	6.5	2	3	819976	812657				
						1.0	0.1	88	22.1		8.1		26.3		86.9		87.0		6.5		3.9				3			
					Middle	2.5	0.1	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	
						2.5	0.1	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	
					Bottom	4.0	0.0	74	22.1	8.1	8.1	26.4	26.3	86.7	86.7	6.5	6.5	4.8	3									
						4.0	0.1	74	22.1	8.1	8.1	26.3		86.6		86.7	6.5	6.5	4.9	2								
SR2	Fine	Moderate	15:21	4.8	Surface	1.0	0.3	57	22.0	22.0	8.0	8.0	27.0	27.2	86.4	86.4	6.4	6.4	4.0	6.4	2	3	821466	814147				
						1.0	0.3	58	22.0		8.0		27.3		86.3		86.4		6.4		4.0				2			
					Middle	-	0.3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3
						-	0.3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3
					Bottom	3.8	0.3	43	22.0	8.0	8.0	28.0	27.8	86.9	87.1	6.4	6.5	5.1	3									
						3.8	0.3	37	22.0	8.0	8.0	27.6		87.2		87.1	6.5	6.5	5.1	3								
SR3	Cloudy	Moderate	15:13	9.4	Surface	1.0	0.4	159	21.6	21.6	8.0	8.0	26.3	26.3	93.3	93.3	7.1	7.1	5.1	7.1	4	4	822144	807574				
						1.0	0.4	157	21.6		8.0		26.3		93.3		7.1		4.9		3							
					Middle	4.7	0.4	140	21.4	8.0	8.0	27.1	27.1	92.6	92.6	7.0	7.0	10.5	4									
						4.7	0.4	134	21.4	8.0	8.0	27.1		92.6		92.6	7.0	7.0	10.8	3								
					Bottom	8.4	0.4	159	21.4	8.0	8.0	27.2	27.2	93.9	93.9	7.1	7.1	11.3	4									
						8.4	0.4	151	21.4	8.0	8.0	27.2		93.9		93.9	7.1	7.1	11.1	4								
SR4A	Cloudy	Moderate	16:57	9.3	Surface	1.0	0.1	80	21.6	21.6	8.0	8.0	23.0	23.0	94.7	94.6	7.3	7.2	4.6	7.2	4	4	817171	807833				
						1.0	0.1	80	21.6		8.0		23.0		94.4		94.6		7.3		4.7				5			
					Middle	4.7	0.0	57	21.3	8.0	8.0	27.1	27.2	92.6	92.7	7.0	7.0	7.6	4									
						4.7	0.1	51	21.3	8.0	8.0	27.2		92.7		92.7	7.0	7.0	7.6	5								
					Bottom	8.3	0.0	98	21.3	8.0	8.0	27.2	27.1	94.1	94.3	7.1	7.2	7.2	4									
						8.3	0.0	104	21.3	8.0	8.0	27.1		94.4		94.3	7.2	7.2	7.0	3								
SR8	Fine	Moderate	14:57	5.6	Surface	1.0	-	-	22.1	22.1	8.1	8.1	26.6	26.6	87.0	87.0	6.5	6.5	3.8	6.5	3	3	820386	811616				
						1.0	-	-	22.1		8.1		26.7		87.0		6.5		3.7		2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3
					Bottom	4.6	-	-	22.1	8.0	7.9	27.0	27.0	87.7	87.8	6.5	6.5	4.3	3									
						4.6	-	-	22.1	7.9	27.1	87.8		87.8		6.5	6.5	4.4	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 11 April 23 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
C1	Cloudy	Moderate	09:03	8.0	Surface	1.0	0.3	17	21.2	21.2	8.1	8.1	24.4	24.4	92.8	92.7	7.1	7.1	7.0	4.2	7.5	5	815623	804256		
						1.0	0.2	24	21.2	8.1	8.1	24.5	24.4	92.6	92.7	7.1	7.1	7.0	4.3	7.5	6					
					Middle	4.0	0.2	19	21.2	21.2	8.1	8.1	27.7	27.7	91.7	91.7	6.9	6.9	7.0	9.7	7.5	4			5	
						4.0	0.2	24	21.2	21.2	8.1	8.1	27.7	27.7	91.7	91.7	6.9	6.9	7.0	9.3	7.5	5				
					Bottom	7.0	0.2	38	21.2	21.2	8.0	8.0	28.1	28.1	91.9	92.0	6.9	6.9	6.9	8.8	7.5	4				4
						7.0	0.3	38	21.2	21.2	8.0	8.0	28.1	28.1	92.0	92.0	6.9	6.9	7.0	8.9	7.5	4				
C2	Cloudy	Moderate	10:49	11.6	Surface	1.0	0.4	342	21.4	21.4	8.0	8.0	25.8	25.8	91.0	91.0	6.9	6.9	7.0	3.6	6.5	3	825658	806943		
						1.0	0.4	337	21.4	21.4	8.0	8.0	25.8	25.8	90.9	91.0	6.9	6.9	7.0	3.6	6.5	3				
					Middle	5.8	0.5	7	21.3	21.3	8.0	8.0	26.7	26.7	91.7	91.7	7.0	7.0	7.0	7.3	6.5	3			4	
						5.8	0.4	9	21.3	21.3	8.0	8.0	26.7	26.7	91.7	91.7	7.0	7.0	7.0	7.3	6.5	3				
					Bottom	10.6	0.4	8	21.3	21.3	8.0	8.0	26.7	26.7	92.3	92.3	7.0	7.0	7.0	8.7	6.5	4				4
						10.6	0.4	8	21.3	21.3	8.0	8.0	26.7	26.7	92.3	92.3	7.0	7.0	7.0	8.7	6.5	5				
C3	Fine	Moderate	09:51	11.2	Surface	1.0	0.5	258	21.8	21.8	8.0	8.0	29.1	29.1	84.4	84.6	6.2	6.3	6.3	1.0	1.8	3	822127	817782		
						1.0	0.4	254	21.8	21.8	8.0	8.0	29.2	29.1	84.7	84.6	6.3	6.3	6.3	1.1	1.8	2				
					Middle	5.6	0.4	251	21.8	21.8	8.0	8.0	29.5	29.5	84.8	85.0	6.3	6.3	6.3	1.6	1.8	2			2	
						5.6	0.4	250	21.8	21.8	8.0	8.0	29.5	29.5	85.2	85.0	6.3	6.3	6.3	1.5	1.8	2				
					Bottom	10.2	0.4	267	21.8	21.8	8.0	8.0	29.7	29.7	85.5	85.5	6.3	6.3	6.3	2.6	1.8	3				2
						10.2	0.4	272	21.8	21.8	8.0	8.0	29.7	29.7	85.5	85.5	6.3	6.3	6.3	2.7	1.8	2				
IM1	Cloudy	Moderate	09:30	6.5	Surface	1.0	0.2	35	21.2	21.2	8.1	8.1	25.9	25.9	89.9	89.8	6.9	6.8	6.8	8.7	9.4	4	818371	806473		
						1.0	0.2	28	21.2	21.2	8.1	8.1	26.0	25.9	89.7	89.8	6.8	6.8	6.8	9.1	9.4	4				
					Middle	3.3	0.3	23	21.2	21.2	8.0	8.0	28.3	28.3	89.4	89.4	6.7	6.7	6.7	10.0	9.4	4			4	
						3.3	0.3	29	21.2	21.2	8.0	8.0	28.3	28.3	89.4	89.4	6.7	6.7	6.7	9.3	9.4	3				
					Bottom	5.5	0.2	31	21.2	21.2	8.0	8.0	28.3	28.3	89.4	89.5	6.7	6.7	6.7	9.4	9.4	3				3
						5.5	0.2	33	21.2	21.2	8.0	8.0	28.3	28.3	89.5	89.5	6.7	6.7	6.7	10.0	9.4	3				
IM2	Cloudy	Moderate	09:40	6.8	Surface	1.0	0.3	10	21.3	21.3	8.1	8.1	25.2	25.2	92.1	92.1	7.1	7.1	7.0	5.8	9.6	3	819193	806243		
						1.0	0.3	9	21.2	21.2	8.1	8.1	25.2	25.2	92.0	92.1	7.1	7.1	7.0	5.9	9.6	3				
					Middle	3.4	0.3	7	21.2	21.2	8.0	8.0	28.1	28.1	91.7	91.8	6.9	6.9	7.0	10.4	9.6	4			4	
						3.4	0.3	1	21.2	21.2	8.0	8.0	28.1	28.1	91.8	91.8	6.9	6.9	7.0	10.7	9.6	4				
					Bottom	5.8	0.3	5	21.2	21.3	8.0	8.0	28.1	28.0	92.3	92.4	7.0	7.0	7.0	12.5	9.6	4				4
						5.8	0.2	3	21.3	21.3	8.0	8.0	28.0	28.0	92.4	92.4	7.0	7.0	7.0	12.6	9.6	4				
IM7	Cloudy	Moderate	10:13	8.1	Surface	1.0	0.3	16	21.5	21.5	8.0	8.0	25.7	25.7	92.2	92.2	7.0	7.0	7.0	4.8	9.7	4	821334	806826		
						1.0	0.2	16	21.5	21.5	8.0	8.0	25.7	25.7	92.1	92.2	7.0	7.0	7.0	5.1	9.7	5				
					Middle	4.1	0.3	17	21.3	21.3	8.0	8.0	27.8	27.8	91.0	91.0	6.9	6.9	7.0	11.0	9.7	4			4	
						4.1	0.3	16	21.3	21.3	8.0	8.0	27.8	27.8	91.0	91.0	6.9	6.9	7.0	11.3	9.7	3				
					Bottom	7.1	0.3	337	21.2	21.2	8.0	8.0	28.0	28.0	91.1	91.2	6.9	6.9	6.9	12.9	9.7	3				4
						7.1	0.3	333	21.2	21.2	8.0	8.0	28.0	28.0	91.2	91.2	6.9	6.9	6.9	13.0	9.7	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 11 April 23 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	11:03	9.2	Surface	1.0	0.4	304	22.0	22.0	8.0	8.0	25.5	25.5	86.8	86.7	6.5	6.5	3.3	4.6	2	4	822240	809839							
						1.0	0.4	308	22.0		8.0		25.5		86.5		6.5		3.3		3										
					Middle	4.6	0.4	293	22.0	8.0	8.0	27.4	27.0	86.3	86.4	6.4	6.5	4.8	4												
						4.6	0.4	290	21.9	8.0	8.0	26.6	27.9	86.4	86.4	6.5	6.5	4.8	4												
					Bottom	8.2	0.4	306	21.9	8.0	8.0	27.8	27.9	87.3	87.5	6.5	6.5	5.6	4												
						8.2	0.4	312	21.9	8.0	8.0	28.0	27.9	87.6	87.5	6.5	6.5	5.6	4												
					IM11	Fine	Moderate	10:55	8.8	Surface	1.0	0.4	292	22.0	22.0	8.0	8.0	26.9	26.9	86.6	86.6	6.5			6.5	3.9	4.9	4	4	821522	810563
											1.0	0.4	292	22.0		8.0		26.9		86.5		6.5				3.9		5			
Middle	4.4	0.4	297	22.0						8.0	8.0	27.0	27.0	86.5	86.6	6.5	6.5	4.3	4												
	4.4	0.4	296	22.0						8.0	8.0	27.0	27.0	86.6	86.6	6.5	6.5	4.3	3												
Bottom	7.8	0.5	296	22.0						8.1	8.1	27.1	27.0	86.7	86.8	6.5	6.5	6.5	3												
	7.8	0.5	297	22.0						8.1	8.1	27.0	27.0	86.8	86.8	6.5	6.5	6.6	4												
IM12	Fine	Moderate	10:46	8.4						Surface	1.0	0.4	294	22.0	22.0	8.1	8.1	27.1	27.1	86.0	86.0	6.4	6.4	2.3	2.6	4	5	821159	811506		
											1.0	0.5	300	22.0		8.1		27.1		86.0		6.4		2.3		4					
					Middle	4.2	0.5	290	22.0	8.1	8.0	27.2	27.2	85.9	86.0	6.4	6.4	2.5	4												
						4.2	0.5	289	22.0	8.0	8.0	27.2	27.2	86.0	86.0	6.4	6.4	2.5	4												
					Bottom	7.4	0.5	294	22.0	8.0	8.0	27.3	27.2	86.7	86.7	6.5	6.5	3.1	6												
						7.4	0.5	298	22.0	8.0	8.0	27.2	27.2	86.7	86.7	6.5	6.5	3.1	5												
					SR1A	Fine	Moderate	10:28	5.0	Surface	1.0	0.0	195	22.2	22.2	8.0	8.0	25.7	25.8	88.2	88.2	6.6	6.6	2.8	6.6	2	3			819981	812665
											1.0	0.1	189	22.1		8.0		25.8		88.2		6.6		2.8		4					
Middle	2.5	-	195	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	2.5	0.0	200	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Bottom	4.0	0.0	215	22.1						8.0	8.0	25.8	25.8	88.6	88.7	6.6	6.7	3.6	2												
	4.0	-	220	22.1						8.0	8.0	25.8	25.8	88.7	88.7	6.7	6.7	3.6	3												
SR2	Fine	Moderate	10:11	5.8						Surface	1.0	0.1	231	22.1	22.1	8.0	8.0	26.2	26.2	87.0	87.1	6.5	6.5	2.3	6.5	2	2	821483	814155		
											1.0	0.2	233	22.1		8.0		26.2		87.1		6.5		2.3		2					
					Middle	-	0.1	214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	0.2	209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.8	0.1	230	22.1	8.0	8.0	26.2	26.2	87.5	87.6	6.5	6.6	2.9	2												
						4.8	0.1	236	22.1	8.0	8.0	26.2	26.2	87.7	87.6	6.6	6.6	3.0	2												
SR3	Cloudy	Moderate	10:18	8.5	Surface	1.0	0.4	343	21.5	21.5	8.0	8.0	25.5	25.5	93.7	93.7	7.1	7.1	6.3	9.4	3	4	822140	807558							
						1.0	0.4	346	21.5		8.0		25.5		93.6		7.1		6.4		2										
					Middle	4.3	0.4	328	21.4	8.0	8.0	26.4	26.4	93.8	93.8	7.1	7.1	10.1	4												
						4.3	0.4	331	21.4	8.0	8.0	26.4	26.4	93.8	93.8	7.1	7.1	10.1	3												
					Bottom	7.5	0.4	335	21.4	8.0	8.0	26.6	26.6	94.4	94.5	7.2	7.2	11.7	5												
						7.5	0.5	335	21.4	8.0	8.0	26.6	26.6	94.5	94.5	7.2	7.2	11.7	4												
					SR4A	Cloudy	Moderate	08:32	8.5	Surface	1.0	0.0	168	21.3	21.3	7.9	7.9	24.4	24.4	92.9	92.8	7.1			7.0	5.2	7.0	4	4	817203	807798
											1.0	0.0	174	21.3		7.9		24.4		92.7		7.1				5.2		3			
Middle	4.3	0.0	161	21.2						7.9	7.9	26.5	26.5	90.7	90.7	6.9	6.9	6.3	4												
	4.3	0.0	165	21.2						7.9	7.9	26.5	26.5	90.6	90.6	6.9	6.9	6.3	4												
Bottom	7.5	0.0	158	21.2						7.9	7.9	25.9	25.9	90.2	90.3	6.9	6.9	6.0	4												
	7.5	0.1	161	21.2						7.9	7.9	25.8	25.9	90.3	90.3	6.9	6.9	6.1	5												
SR8	Fine	Moderate	10:42	4.2	Surface	1.0	-	-	22.0	22.1	8.0	8.0	26.9	26.9	86.3	86.3	6.4	6.4	3.4	6.4	2	2	820389	811625							
						1.0	-	-	22.2		8.0		26.9		86.3		6.4		3.3		2										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-				
					Bottom	3.2	-	-	22.2	8.0	7.9	26.9	26.9	87.0	87.0	6.5	6.5	4.9	2												
						3.2	-	-	22.2	7.9	7.9	26.9	26.9	86.9	86.9	6.5	6.5	4.8	2												

DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
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Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 13 April 23 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	Cloudy	Moderate	18:19	8.4	Surface	1.0	0.4	216	21.7	21.7	8.1	8.1	29.4	29.4	98.2	98.2	7.3	7.1	4.8	7.2	<2	<2	815642	804232
						1.0	0.4	212	21.7		8.1		29.5		98.1		7.3		5.1					
					Middle	4.2	0.5	222	21.4	21.4	8.1	8.1	31.7	31.7	93.8	93.9	6.9	6.9	8.1	<2				
						4.2	0.5	227	21.4		8.1		31.7		93.9		6.9		8.6					
					Bottom	7.4	0.4	215	21.7	21.7	8.1	8.1	31.4	31.4	94.4	94.5	6.9	6.9	8.5	<2				
						7.4	0.5	221	21.7		8.1		31.4		94.6		6.9		8.3					
C2	Cloudy	Moderate	16:50	11.2	Surface	1.0	0.3	174	22.1	22.1	8.0	8.0	25.2	25.2	92.5	92.5	7.0	6.8	1.4	1.8	<2	2	825691	806955
						1.0	0.3	172	22.1		8.0		25.3		92.5		7.0		1.5					
					Middle	5.6	0.4	186	21.7	21.7	8.0	8.0	27.4	27.5	88.0	88.0	6.6	6.6	2.4	<2				
						5.6	0.4	186	21.7		8.0		27.6		87.9		6.6		2.5					
					Bottom	10.2	0.4	186	22.0	22.1	8.0	8.0	28.0	27.9	87.1	87.6	6.5	6.5	1.7	2				
						10.2	0.4	191	22.1		8.0		27.9		88.1		6.5		1.6	3				
C3	Fine	Calm	17:59	10.8	Surface	1.0	0.3	85	21.9	21.9	8.0	8.0	28.7	28.8	87.5	87.6	6.5	6.5	1.1	1.7	2	3	822129	817788
						1.0	0.3	79	21.9		8.0		29.0		87.6		6.5		1.1					
					Middle	5.4	0.4	73	21.9	21.9	8.0	8.0	29.2	29.6	87.7	87.8	6.5	6.5	1.4	3				
						5.4	0.3	78	21.9		8.0		30.0		87.8		6.4		1.4					
					Bottom	9.8	0.4	56	21.9	21.9	8.0	8.0	30.0	30.0	88.0	87.9	6.5	6.5	2.4	2				
						9.8	0.4	49	21.9		8.0		30.0		87.8		6.4		2.5	3				
IM1	Cloudy	Moderate	17:58	6.4	Surface	1.0	0.3	203	21.8	21.8	8.1	8.1	30.1	30.2	96.2	96.1	7.1	7.1	3.7	4.4	2	2	818361	806447
						1.0	0.3	196	21.7		8.1		30.3		96.0		7.1		3.8					
					Middle	3.2	0.3	189	21.6	21.6	8.1	8.1	30.8	30.9	95.4	95.4	7.0	7.0	4.2	<2				
						3.2	0.3	194	21.5		8.1		30.9		95.3		7.0		4.4					
					Bottom	5.4	0.3	173	21.4	21.4	8.1	8.1	31.5	31.5	94.7	94.7	7.0	7.0	5.2	<2				
						5.4	0.3	168	21.4		8.1		31.5		94.7		7.0		5.2	<2				
IM2	Cloudy	Moderate	17:53	6.6	Surface	1.0	0.3	191	22.0	22.0	8.1	8.1	29.6	29.7	96.0	95.9	7.1	7.1	2.6	5.0	<2	2	819190	806215
						1.0	0.4	189	21.9		8.1		29.8		95.8		7.1		2.7					
					Middle	3.3	0.3	193	21.5	21.5	8.1	8.1	30.8	30.9	94.8	94.8	7.0	7.0	5.7	<2				
						3.3	0.3	186	21.5		8.1		30.9		94.8		7.0		5.8					
					Bottom	5.6	0.4	193	21.6	21.6	8.1	8.1	31.2	31.2	94.5	94.5	7.0	7.0	6.7	2				
						5.6	0.4	193	21.6		8.1		31.1		94.5		7.0		6.8	2				
IM7	Cloudy	Moderate	17:36	7.7	Surface	1.0	0.2	177	22.1	22.1	8.0	8.0	26.2	26.2	93.5	93.5	7.0	7.0	1.6	3.7	3	2	821332	806823
						1.0	0.2	173	22.1		8.0		26.2		93.5		7.0		1.7					
					Middle	3.9	0.2	170	21.6	21.6	8.1	8.1	28.7	28.7	92.9	92.9	6.9	6.9	4.0	2				
						3.9	0.2	170	21.6		8.1		28.7		92.9		6.9		4.2					
					Bottom	6.7	0.2	165	21.4	21.4	8.1	8.1	30.7	30.7	94.3	94.4	7.0	7.0	5.4	2				
						6.7	0.2	162	21.4		8.1		30.7		94.5		7.0		5.4	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 13 April 23 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	DA					
IM10	Fine	Calm	16:53	9.4	Surface	1.0	0.3	120	22.0	22.0	8.0	8.0	25.3	25.4	90.1	90.0	6.8	6.8	1.3	2.0	2	3	822260	809852							
						1.0	0.3	124	22.0		8.0	8.0	25.5	25.4	89.9	90.0	6.8		1.3		3										
					Middle	4.7	0.3	102	22.0	22.0	8.0	8.0	26.5	26.5	89.7	89.7	6.7		1.7		4										
						4.7	0.3	95	22.0		8.0	8.0	26.5	26.5	89.7	89.7	6.7		1.7		3										
					Bottom	8.4	0.3	93	22.0	22.0	8.0	8.0	27.8	27.8	90.3	90.4	6.7		3.0		4										
						8.4	0.3	87	22.0		8.0	8.0	27.8	27.8	90.5	90.4	6.7		3.0		4										
IM11	Fine	Calm	17:03	7.8	Surface	1.0	0.3	90	22.1	22.1	8.0	8.0	24.8	24.9	86.3	86.2	6.5	6.5	1.4	1.8	2	3	821507	810546							
						1.0	0.3	93	22.1		8.0	8.0	24.9	24.9	86.1	86.2	6.5		1.5		2										
					Middle	3.9	0.3	105	22.1	22.1	8.0	8.0	25.4	26.1	85.8	85.8	6.5		1.8		3										
						3.9	0.4	99	22.1		8.0	8.0	26.8	26.1	85.8	85.8	6.4		1.9		2										
					Bottom	6.8	0.3	110	22.1	22.1	8.0	8.0	27.1	27.2	86.8	87.0	6.5		2.0		4										
						6.8	0.3	104	22.1		8.0	8.0	27.3	27.2	87.2	87.0	6.5		2.0		3										
IM12	Fine	Calm	17:09	7.2	Surface	1.0	0.4	110	22.2	22.2	8.0	8.0	26.0	26.1	88.1	88.0	6.6	6.6	1.1	1.6	3	3	821175	811506							
						1.0	0.4	116	22.2		8.0	8.0	26.1	26.1	87.8	88.0	6.6		1.1		3										
					Middle	3.6	0.4	105	22.2	22.2	8.0	8.0	26.5	26.7	87.5	87.5	6.5		1.4		4										
						3.6	0.4	106	22.2		8.0	8.0	26.9	26.7	87.5	87.5	6.5		1.4		3										
					Bottom	6.2	0.4	96	22.1	22.2	8.0	8.0	27.0	26.8	88.4	88.6	6.6		2.2		3										
						6.2	0.3	102	22.2		8.0	8.0	26.6	26.8	88.8	88.6	6.6		2.3		4										
SR1A	Fine	Calm	17:22	5.2	Surface	1.0	0.0	88	22.2	22.2	8.0	8.0	26.2	26.2	88.0	88.0	6.6	6.6	1.8	1.6	2	3	819980	812656							
						1.0	0.0	84	22.2		8.0	8.0	26.2	26.2	88.0	88.0	6.6		1.7		2										
					Middle	2.6	0.0	81	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
						2.6	0.1	77	-		-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
					Bottom	4.2	0.0	76	22.2	22.2	8.0	8.0	26.1	26.1	88.3	88.4	6.6		1.6		4										
						4.2	0.1	76	22.2		8.0	8.0	26.1	26.1	88.5	88.4	6.6		1.5		4										
SR2	Fine	Calm	17:40	5.0	Surface	1.0	0.3	42	22.1	22.1	8.0	8.0	26.9	27.1	87.7	87.6	6.5	6.5	1.0	1.3	2	2	821483	814153							
						1.0	0.3	39	22.1		8.0	8.0	27.2	27.1	87.5	87.6	6.5		1.1		3										
					Middle	-	0.3	53	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
						-	0.2	55	-		-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
					Bottom	4.0	0.3	67	22.1	22.1	8.0	8.0	27.9	27.7	88.6	88.9	6.6		1.6		2										
						4.0	0.3	63	22.1		8.0	8.0	27.5	27.7	89.2	88.9	6.6		1.7		2										
SR3	Cloudy	Moderate	17:28	8.7	Surface	1.0	0.4	151	22.2	22.2	8.0	8.0	25.9	25.9	92.3	92.3	6.9	6.9	1.5	2.8	<2	2	822130	807564							
						1.0	0.4	144	22.2		8.0	8.0	25.9	25.9	92.2	92.3	6.9		1.5		<2										
					Middle	4.4	0.4	146	21.9	21.9	8.0	8.0	26.5	26.5	91.8	91.9	6.9		2.3		<2										
						4.4	0.4	145	21.9		8.0	8.0	26.5	26.5	91.9	91.9	6.9		2.4		<2										
					Bottom	7.7	0.3	174	21.7	21.7	8.0	8.0	28.5	28.6	92.4	92.5	6.9		4.6		2										
						7.7	0.3	172	21.7		8.0	8.0	28.6	28.6	92.5	92.5	6.9		4.7		2										
SR4A	Cloudy	Moderate	18:48	8.4	Surface	1.0	0.0	23	21.7	21.7	8.1	8.1	29.1	29.1	94.6	94.6	7.0	7.0	6.1	6.7	2	2	817190	807830							
						1.0	0.0	23	21.6		8.1	8.1	29.1	29.1	94.6	94.6	7.0		6.3		3										
					Middle	4.2	0.0	54	21.6	21.6	8.1	8.1	30.8	30.8	94.3	94.3	6.9		7.1		2										
						4.2	0.0	55	21.6		8.1	8.1	30.8	30.8	94.3	94.3	6.9		7.1		2										
					Bottom	7.4	0.0	59	21.8	21.9	8.1	8.1	30.7	30.7	94.5	94.5	6.9		6.7		2										
						7.4	0.0	63	21.9		8.1	8.1	30.7	30.7	94.5	94.5	6.9		6.7		2										
SR8	Fine	Calm	17:13	5.0	Surface	1.0	-	-	22.2	22.2	8.0	8.0	26.2	26.2	84.9	85.0	6.3	6.4	2.2	2.6	2	2	820400	811601							
						1.0	-	-	22.2		8.0	8.0	26.3	26.2	85.1	85.0	6.4		2.2		2										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
					Bottom	4.0	-	-	22.2	22.2	8.0	8.0	26.6	26.6	86.0	86.2	6.4		2.9		2										
						4.0	-	-	22.2		8.0	8.0	26.7	26.6	86.3	86.2	6.4		2.9		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 13 April 23 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			
C1	Cloudy	Moderate	04:46	8.4	Surface	1.0	0.1	34	22.0	22.0	8.0	8.0	28.7	28.7	96.3	96.3	7.1	7.1	7.0	2.5	6.7	3	2	815636	804226				
						1.0	0.1	41	22.0	8.0	8.0	28.7	28.7	96.3	96.3	7.1	7.1												
					Middle	4.2	0.1	50	21.4	21.4	8.1	8.1	31.3	31.3	94.1	94.2	6.9	6.9	7.0	5.2	6.7	<2	2			815636	804226		
						4.2	0.1	44	21.4	21.4	8.1	8.1	31.3	31.3	94.3	94.2	7.0	7.0											
					Bottom	7.4	0.2	42	21.4	21.5	8.1	8.0	31.2	31.2	94.9	95.1	7.0	7.0	7.0	12.3	6.7	<2	2					815636	804226
						7.4	0.1	41	21.5	21.5	8.0	8.0	31.2	31.2	95.2	95.1	7.0	7.0											
C2	Cloudy	Moderate	06:29	11.9	Surface	1.0	0.1	215	22.3	22.3	8.0	8.0	25.2	25.2	92.9	92.9	7.0	7.0	6.9	1.1	2.3	3	3	825696	806940				
						1.0	0.1	217	22.3	22.3	8.0	8.0	25.2	25.2	92.8	92.8	7.0	7.0											
					Middle	6.0	0.1	211	21.8	21.8	8.0	8.0	25.8	25.8	89.4	89.4	6.8	6.8	6.7	2.6	6.7	3	3			825696	806940		
						6.0	0.1	212	21.7	21.7	8.0	8.0	25.8	25.8	89.3	89.4	6.8	6.8											
					Bottom	10.9	0.1	231	21.7	21.7	8.0	8.0	27.7	27.7	89.7	89.8	6.7	6.7	6.7	3.1	6.7	<2	3					825696	806940
						10.9	0.0	229	21.7	21.7	8.0	8.0	27.7	27.7	89.8	89.8	6.7	6.7											
C3	Fine	Calm	06:23	11.8	Surface	1.0	0.1	95	21.9	21.9	8.1	8.1	29.5	29.6	82.1	82.0	6.1	6.0	6.0	1.1	1.6	3	3	822086	817820				
						1.0	0.1	93	21.9	21.9	8.1	8.1	29.6	29.6	81.8	81.8	6.0	6.0											
					Middle	5.9	0.0	89	21.9	21.9	8.1	8.1	29.9	29.9	80.7	80.7	5.9	5.9	6.0	1.1	1.6	4	3			822086	817820		
						5.9	0.1	96	21.9	21.9	8.1	8.1	29.9	29.9	80.7	80.7	5.9	5.9											
					Bottom	10.8	0.1	100	21.9	21.9	8.1	8.1	30.2	30.2	81.1	81.2	6.0	6.0	6.0	2.7	6.0	2	3					822086	817820
						10.8	0.1	97	21.9	21.9	8.1	8.1	30.2	30.2	81.2	81.2	6.0	6.0											
IM1	Cloudy	Moderate	05:08	6.2	Surface	1.0	0.0	25	21.8	21.8	8.1	8.1	29.5	29.5	93.6	93.6	6.9	6.9	6.9	2.4	4.7	3	3	818333	806444				
						1.0	0.0	28	21.8	21.8	8.1	8.1	29.5	29.5	93.6	93.6	6.9	6.9											
					Middle	3.1	0.1	14	21.6	21.6	8.1	8.1	30.2	30.3	93.5	93.6	6.9	6.9	6.9	4.3	4.7	3	3			818333	806444		
						3.1	0.1	12	21.6	21.6	8.1	8.1	30.3	30.3	93.6	93.6	6.9	6.9											
					Bottom	5.2	0.0	15	21.4	21.4	8.1	8.1	31.2	31.2	94.2	94.2	6.9	6.9	6.9	7.4	4.7	2	3					818333	806444
						5.2	0.0	18	21.4	21.4	8.1	8.1	31.2	31.2	94.2	94.2	6.9	6.9											
IM2	Cloudy	Moderate	05:11	6.8	Surface	1.0	0.1	15	21.8	21.8	8.1	8.1	29.3	29.3	94.3	94.3	7.0	7.0	7.0	2.9	5.1	3	3	819188	806214				
						1.0	0.1	8	21.8	21.8	8.1	8.1	29.4	29.4	94.3	94.3	7.0	7.0											
					Middle	3.4	0.1	11	21.5	21.5	8.1	8.1	30.7	30.8	93.6	93.6	6.9	6.9	6.9	5.5	5.1	4	3			819188	806214		
						3.4	0.1	16	21.4	21.4	8.1	8.1	30.8	30.8	93.6	93.6	6.9	6.9											
					Bottom	5.8	0.1	46	21.4	21.4	8.1	8.1	31.2	31.2	93.8	93.9	6.9	6.9	6.9	6.6	5.1	4	3					819188	806214
						5.8	0.1	48	21.4	21.4	8.1	8.1	31.2	31.2	93.9	93.9	6.9	6.9											
IM7	Cloudy	Moderate	05:44	8.5	Surface	1.0	0.0	63	22.0	22.0	8.0	8.0	26.4	26.4	92.9	92.9	7.0	7.0	7.0	1.9	3.4	4	4	821370	806821				
						1.0	0.0	62	22.0	22.0	8.0	8.0	26.4	26.4	92.9	92.9	7.0	7.0											
					Middle	4.3	0.1	66	21.7	21.7	8.1	8.1	27.2	27.2	93.0	93.1	7.0	7.0	6.9	3.4	3.4	4	4			821370	806821		
						4.3	0.1	66	21.7	21.7	8.1	8.1	27.1	27.2	93.1	93.1	7.0	7.0											
					Bottom	7.5	0.1	69	21.5	21.5	8.1	8.1	30.2	30.2	93.6	93.7	6.9	6.9	6.9	4.6	3.4	5	4					821370	806821
						7.5	0.1	64	21.5	21.5	8.1	8.1	30.2	30.2	93.7	93.7	6.9	6.9											

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 April 23 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	Calm	07:22	9.2	Surface	1.0	0.0	75	22.1	22.1	8.0	8.0	25.3	25.3	85.8	85.7	6.5	6.4	1.7	2.5	5	4	822259	809849				
						1.0	0.0	75	22.1		8.0	8.0	25.3	25.3	85.6	85.7	6.4		1.8		4							
					Middle	4.6	0.0	63	22.0	22.0	8.0	8.0	27.2	26.8	85.2	85.3	6.4	6.5	2.5	6.5	3				6.5	3	6.5	4
						4.6	0.0	57	22.0		8.0	8.0	26.5	26.8	85.3	85.3	6.4		2.5		4							
					Bottom	8.2	0.1	96	22.0	22.1	8.0	8.0	27.6	27.7	86.3	86.7	6.4	6.5	3.1	6.5	3				6.5	3	6.5	3
						8.2	0.0	98	22.1		8.0	8.0	27.8	27.7	87.0	86.7	6.5		3.2		3							
IM11	Fine	Calm	07:15	8.4	Surface	1.0	0.0	54	22.1	22.1	8.0	8.0	26.7	26.7	87.8	87.7	6.6	6.5	1.1	1.4	3	3	821492	810547				
						1.0	0.0	50	22.1		8.0	8.0	26.7	26.7	87.6	87.7	6.5		1.1		3							
					Middle	4.2	0.0	51	22.1	22.1	8.0	8.0	26.8	26.8	87.3	87.4	6.5	6.6	1.3	6.6	2				6.6	2	6.6	3
						4.2	0.1	49	22.1		8.0	8.0	26.8	26.8	87.4	87.4	6.5		1.4		3							
					Bottom	7.4	0.0	81	22.1	22.1	8.0	8.0	26.9	26.8	88.4	88.6	6.6	6.6	1.8	6.6	2				6.6	2	6.6	2
						7.4	0.0	82	22.1		7.9	8.0	26.8	26.8	88.8	88.6	6.6		1.8		2							
IM12	Fine	Calm	07:10	8.2	Surface	1.0	0.0	64	22.1	22.1	8.0	8.0	26.9	26.9	88.3	88.2	6.6	6.6	1.0	1.2	4	4	821168	811513				
						1.0	0.0	58	22.1		8.0	8.0	26.9	26.9	88.1	88.2	6.6		1.0		5							
					Middle	4.1	0.0	67	22.1	22.1	8.0	8.0	27.0	27.0	87.6	87.6	6.5	6.6	1.2	6.6	4				6.6	4		
						4.1	0.0	65	22.1		8.0	8.0	27.0	27.0	87.6	87.6	6.5		1.2		4							
					Bottom	7.2	0.0	70	22.1	22.1	8.0	7.9	27.1	27.1	88.4	88.8	6.6	6.6	1.3	6.6	4				6.6	4		
						7.2	0.1	71	22.1		7.9	7.9	27.1	27.1	89.1	88.8	6.6		1.3		3							
SR1A	Fine	Calm	06:53	4.8	Surface	1.0	0.0	263	22.2	22.2	8.0	8.0	26.2	26.2	90.9	90.9	6.8	6.8	1.1	1.1	5	4	819971	812663				
						1.0	0.1	269	22.2		8.0	8.0	26.2	26.2	90.9	90.9	6.8		1.1		4							
					Middle	2.4	0.1	261	-	-	-	-	-	-	-	-	-	6.8	-	1.1	-				6.8	-		
						2.4	0.1	266	-		-	-	-	-	-	-	-		-		-					-		
					Bottom	3.8	0.0	277	22.2	22.2	8.0	8.0	26.3	26.2	91.1	91.1	6.8	6.8	1.2	6.8	4				6.8	4		
						3.8	0.0	283	22.2		8.0	8.0	26.2	26.2	91.0	91.1	6.8		1.2		3							
SR2	Fine	Calm	06:41	4.2	Surface	1.0	0.1	149	22.2	22.2	8.0	8.0	26.6	26.6	91.4	91.4	6.8	6.8	1.5	1.9	5	4	821462	814165				
						1.0	0.1	146	22.2		8.0	8.0	26.6	26.6	91.3	91.4	6.8		1.5		5							
					Middle	-	0.0	140	-	-	-	-	-	-	-	-	-	6.8	-	1.9	-				6.8	-		
						-	0.0	133	-		-	-	-	-	-	-	-		-		-							
					Bottom	3.2	0.0	150	22.2	22.2	8.0	8.0	26.7	26.7	91.5	91.6	6.8	6.8	2.4	6.8	3				6.8	3		
						3.2	0.1	142	22.2		8.0	8.0	26.7	26.7	91.7	91.6	6.8		2.4		3							
SR3	Cloudy	Moderate	05:52	8.5	Surface	1.0	0.0	82	21.9	21.9	8.0	8.0	26.0	26.0	91.4	91.4	6.9	6.9	2.6	4.1	2	2	822158	807564				
						1.0	0.0	77	21.8		8.0	8.0	26.0	26.0	91.3	91.4	6.9		2.8		2							
					Middle	4.3	0.0	79	21.7	21.7	8.1	8.1	28.3	28.3	91.5	91.6	6.8	6.8	4.3	6.8	2				6.8	2		
						4.3	0.0	75	21.6		8.1	8.1	28.3	28.3	91.6	91.6	6.8		4.4		2							
					Bottom	7.5	0.0	86	21.7	21.8	8.1	8.1	28.9	28.9	92.0	92.1	6.8	6.8	5.4	6.8	<2				6.8	<2		
						7.5	0.1	87	21.8		8.1	8.1	28.9	28.9	92.1	92.1	6.8		5.4		<2							
SR4A	Cloudy	Moderate	04:21	8.6	Surface	1.0	0.0	292	22.1	22.1	8.0	8.0	25.9	25.9	93.6	93.6	7.0	7.0	3.4	3.7	2	3	817200	807803				
						1.0	0.1	293	22.1		8.0	8.0	25.9	25.9	93.6	93.6	7.0		3.4		2							
					Middle	4.3	0.0	295	21.6	21.6	7.9	7.9	29.0	29.0	92.1	92.1	6.9	6.9	3.6	6.9	3				6.9	3		
						4.3	0.1	289	21.6		7.9	7.9	29.0	29.0	92.1	92.1	6.9		3.7		2							
					Bottom	7.6	0.0	305	22.0	22.0	8.0	8.0	28.9	28.9	93.5	93.6	6.9	6.9	4.2	6.9	4				6.9	4		
						7.6	0.1	303	22.0		8.0	8.0	28.9	28.9	93.6	93.6	6.9		4.1		3							
SR8	Fine	Calm	07:06	4.4	Surface	1.0	-	-	22.3	22.3	8.0	8.0	26.8	26.8	91.1	91.1	6.8	6.8	1.4	1.7	2	3	820383	811615				
						1.0	-	-	22.3		8.0	8.0	26.8	26.8	91.1	91.1	6.8		1.3		3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	1.7	-				6.8	-		
						-	-	-	-		-	-	-	-	-	-	-		-		-							
					Bottom	3.4	-	-	22.3	22.3	8.0	8.0	26.8	26.8	91.1	91.5	6.8	6.8	2.1	6.8	4				6.8	4		
						3.4	-	-	22.3		8.0	8.0	26.8	26.8	91.9	91.5	6.8		2.1		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 15 April 23 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	DA
C1	Foggy	Moderate	09:25	8.4	Surface	1.0	0.1	210	22.2	22.2	8.0	8.0	26.4	26.4	98.0	98.1	7.3	7.1	2.7	5.4	4	4	815642	804265		
						1.0	0.1	213	22.2		8.0		26.4		98.1		7.3		2.9		3					
					Middle	4.2	0.1	217	21.9	21.9	8.0	8.0	30.4	30.4	94.1	94.1	6.9	6.9	4.0	6.9	3.6	6.9			4	6.9
						4.2	0.1	220	21.9		8.0		30.4		94.1		6.9		3.6		4					
					Bottom	7.4	0.1	210	21.9	21.9	8.0	8.0	30.5	30.5	94.1	94.2	6.9	6.9	9.4	6.9	9.7	6.9			5	6.9
						7.4	0.2	207	21.9		8.0		30.5		94.2		6.9		9.7		4					
C2	Foggy	Moderate	11:16	11.8	Surface	1.0	0.2	164	22.6	22.6	7.9	7.9	23.5	23.5	96.1	96.0	7.3	7.1	1.6	4.9	2	3	825684	806955		
						1.0	0.2	164	22.6		7.9		23.6		95.9		7.2		1.7		3					
					Middle	5.9	0.3	177	22.4	22.4	7.9	7.9	27.0	27.0	94.7	94.7	7.0	7.0	3.5	7.0	3.6	7.0			4	7.0
						5.9	0.3	172	22.4		7.9		27.0		94.7		7.0		3.6		4					
					Bottom	10.8	0.3	196	22.4	22.4	7.9	7.9	27.0	27.0	95.7	96.1	7.1	7.2	9.8	7.2	9.2	7.2			4	7.2
						10.8	0.3	191	22.4		7.9		27.0		96.5		7.2		9.2		3					
C3	Misty	Calm	10:24	11.0	Surface	1.0	0.2	94	22.1	22.1	8.0	8.0	27.4	27.4	91.3	91.2	6.8	6.7	1.2	1.8	3	2	822122	817794		
						1.0	0.2	89	22.1		8.0		27.5		91.1		6.7		1.3		2					
					Middle	5.5	0.1	94	22.1	22.1	8.0	8.0	28.9	29.0	89.3	89.4	6.6	6.6	1.3	6.6	1.3	6.6			2	6.6
						5.5	0.2	88	22.1		8.0		29.1		89.4		6.6		1.3		2					
					Bottom	10.0	0.1	92	22.1	22.1	8.0	8.0	31.0	31.0	89.9	90.0	6.5	6.5	2.8	6.5	2.8	6.5			3	6.5
						10.0	0.1	91	22.1		8.0		31.0		90.0		6.5		2.8		2					
IM1	Foggy	Moderate	09:49	6.8	Surface	1.0	0.0	198	22.2	22.2	8.0	8.0	26.3	26.4	98.2	98.1	7.3	7.2	2.2	3.8	<2	2	818331	806474		
						1.0	0.1	198	22.2		8.0		26.4		98.0		7.3		2.4		<2					
					Middle	3.4	0.1	184	22.0	22.0	8.0	8.0	30.0	30.0	97.1	97.1	7.1	7.1	3.9	7.1	4.1	7.1			<2	7.1
						3.4	0.0	183	22.0		8.0		30.1		97.1		7.1		4.1		<2					
					Bottom	5.8	0.1	176	21.9	22.0	7.9	7.9	30.3	30.3	97.5	97.6	7.2	7.2	5.0	7.2	5.1	7.2			2	7.2
						5.8	0.0	177	22.0		7.9		30.3		97.6		7.2		5.1		2					
IM2	Foggy	Moderate	09:55	6.8	Surface	1.0	0.1	214	22.1	22.1	8.0	8.0	26.8	26.8	98.9	98.9	7.4	7.2	4.3	6.2	2	2	819169	806247		
						1.0	0.1	207	22.1		8.0		26.8		98.8		7.4		4.7		2					
					Middle	3.4	0.1	199	21.9	21.9	8.0	8.0	30.4	30.4	95.4	95.4	7.0	7.0	6.1	7.0	6.2	7.0			2	7.0
						3.4	0.1	203	21.9		8.0		30.4		95.4		7.0		6.2		2					
					Bottom	5.8	0.1	190	21.9	21.9	8.0	8.0	30.4	30.4	95.3	95.3	7.0	7.0	8.0	7.0	7.8	7.0			2	7.0
						5.8	0.1	188	21.9		8.0		30.4		95.2		7.0		7.8		3					
IM7	Foggy	Moderate	10:33	7.4	Surface	1.0	0.1	192	23.1	23.1	7.9	7.9	20.6	20.6	99.9	99.9	7.6	7.4	1.0	2.1	2	3	821364	806824		
						1.0	0.1	189	23.1		7.9		20.7		99.9		7.6		1.1		3					
					Middle	3.7	0.1	186	22.5	22.5	7.9	7.9	26.1	26.1	95.3	95.4	7.1	7.1	2.6	7.1	2.7	7.1			3	7.1
						3.7	0.1	183	22.5		7.9		26.1		95.4		7.1		2.7		2					
					Bottom	6.4	0.1	181	22.5	22.5	7.9	7.9	26.5	26.4	97.1	97.2	7.2	7.2	2.6	7.2	2.6	7.2			3	7.2
						6.4	0.1	182	22.5		7.9		26.4		97.3		7.2		2.6		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 15 April 23 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	Misty	Calm	11:23	9.4	Surface	1.0	0.1	122	22.0	22.0	8.0	8.0	23.3	23.3	94.2	94.1	7.2	7.1	1.8	2.6	2	2	822255	809857
						1.0	0.2	127	22.0		8.0	8.0	23.3	23.3	94.0	94.1	7.1		1.9					
					Middle	4.7	0.1	120	22.0	22.0	8.0	8.0	26.0	26.0	94.1	94.3	7.0	7.3	2.6	2				
						4.7	0.1	117	22.0		8.0	8.0	26.0	26.0	94.4	94.3	7.1		2.6					
					Bottom	8.4	0.1	145	22.0	22.0	8.0	8.0	26.1	26.1	96.3	97.0	7.2	7.3	3.2	3				
						8.4	0.1	145	22.0		8.0	8.0	26.1	26.1	97.7	97.0	7.3		3.3					
IM11	Misty	Calm	11:17	8.8	Surface	1.0	0.2	99	22.2	22.2	8.0	8.0	24.8	24.8	98.6	98.8	7.4	7.3	1.2	1.5	3	3	821500	810540
						1.0	0.2	100	22.2		8.0	8.0	24.9	24.8	99.0	98.8	7.4		1.2					
					Middle	4.4	0.1	97	22.2	22.2	8.0	8.0	25.2	25.2	94.4	94.4	7.1	7.2	1.4	3				
						4.4	0.1	98	22.2		8.0	8.0	25.2	25.2	94.3	94.4	7.1		1.5					
					Bottom	7.8	0.2	98	22.2	22.2	8.0	8.0	25.3	25.3	95.8	96.2	7.2	7.2	1.9	3				
						7.8	0.2	104	22.2		8.0	8.0	25.3	25.3	96.5	96.2	7.2		1.9					
IM12	Misty	Calm	11:12	8.4	Surface	1.0	0.1	86	22.2	22.2	8.0	8.0	25.2	25.2	96.7	96.5	7.2	7.2	1.1	1.3	3	2	821138	811503
						1.0	0.1	79	22.2		8.0	8.0	25.2	25.2	96.3	96.5	7.2		1.2					
					Middle	4.2	0.1	92	22.2	22.2	8.0	8.0	25.5	25.5	95.0	94.8	7.1	7.4	1.3	2				
						4.2	0.1	88	22.2		8.0	8.0	25.5	25.5	94.6	94.8	7.1		1.3					
					Bottom	7.4	0.2	69	22.2	22.2	8.0	8.0	25.6	25.6	97.9	98.2	7.3	7.4	1.4	2				
						7.4	0.1	65	22.2		8.0	8.0	25.6	25.6	98.4	98.2	7.4		1.5					
SR1A	Misty	Calm	10:54	5.0	Surface	1.0	0.0	158	22.0	22.0	8.0	8.0	25.4	25.4	97.9	98.0	7.4	7.4	1.2	1.3	2	2	819981	812659
						1.0	0.0	161	22.0		8.0	8.0	25.4	25.4	98.0	98.0	7.4		1.3					
					Middle	2.5	0.0	170	-	-	-	-	-	-	-	-	-	7.4	-	2				
						2.5	0.0	176	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	0.0	157	22.0	22.0	8.0	8.0	25.5	25.4	98.3	98.3	7.4	7.4	1.3	<2				
						4.0	0.1	152	22.0		8.0	8.0	25.4	25.4	98.3	98.3	7.4		1.4					
SR2	Misty	Calm	10:42	4.4	Surface	1.0	0.1	102	22.0	22.0	8.0	8.0	27.2	27.2	101.6	101.5	7.6	7.6	1.6	2.1	<2	2	821466	814159
						1.0	0.1	108	22.0		8.0	8.0	27.2	27.2	101.4	101.5	7.5		1.6					
					Middle	-	0.0	80	-	-	-	-	-	-	-	-	-	7.6	-	2				
						-	-	74	-		-	-	-	-	-	-	-		-					
					Bottom	3.4	0.1	74	22.0	22.0	8.0	8.0	27.4	27.4	101.6	101.7	7.5	7.6	2.6	2				
						3.4	0.1	71	22.0		8.0	8.0	27.4	27.4	101.8	101.7	7.6		2.6					
SR3	Foggy	Moderate	10:40	8.7	Surface	1.0	0.2	161	22.6	22.6	7.9	7.9	22.9	22.9	94.9	94.8	7.2	7.1	1.2	1.5	2	2	822167	807577
						1.0	0.2	160	22.6		7.9	7.9	23.0	22.9	94.7	94.8	7.2		1.2					
					Middle	4.4	0.3	172	22.4	22.4	7.9	7.9	26.5	26.5	93.1	93.1	6.9	7.0	1.6	2				
						4.4	0.3	167	22.4		7.9	7.9	26.5	26.5	93.1	93.1	6.9		1.6					
					Bottom	7.7	0.3	182	22.4	22.4	7.9	7.9	26.7	26.7	94.4	94.5	7.0	7.0	1.6	3				
						7.7	0.3	178	22.4		7.9	7.9	26.7	26.7	94.6	94.5	7.0		1.6					
SR4A	Foggy	Moderate	08:58	9.1	Surface	1.0	0.0	100	22.5	22.5	7.9	7.9	26.4	26.4	93.3	93.3	6.9	6.9	3.1	3.4	5	4	817191	807820
						1.0	0.1	104	22.5		7.9	7.9	26.4	26.4	93.2	93.3	6.9		3.1					
					Middle	4.6	0.0	103	22.4	22.4	7.9	7.9	26.4	26.4	92.9	92.9	6.9	6.9	3.5	4				
						4.6	0.0	101	22.4		7.9	7.9	26.4	26.4	92.9	92.9	6.9		3.5					
					Bottom	8.1	0.0	94	22.5	22.5	7.9	7.9	26.0	26.0	92.9	92.9	6.9	6.9	3.7	3				
						8.1	0.0	88	22.5		7.9	7.9	26.0	26.0	92.9	92.9	6.9		3.7					
SR8	Misty	Calm	11:07	4.6	Surface	1.0	-	-	22.0	22.0	8.0	8.0	25.4	25.4	100.4	100.3	7.5	7.5	1.5	1.9	2	2	820387	811622
						1.0	-	-	22.0		8.0	8.0	25.4	25.4	100.2	100.3	7.5		1.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	3				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.6	-	-	22.0	22.0	8.0	8.1	25.3	25.3	100.2	100.1	7.5	7.5	2.3	2				
						3.6	-	-	22.0		8.1	8.1	25.3	25.3	99.9	100.1	7.5		2.3					

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 15 April 23 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	Foggy	Moderate	14:30	8.8	Surface	1.0	0.3	39	23.2	23.2	8.0	8.0	25.7	25.7	99.5	99.6	7.3	7.1	2.9	4.6	<2	3	815616	804242
						1.0	0.2	44	23.2		8.0		25.7	99.6	7.4	3.2								
					Middle	4.4	0.2	28	22.0	22.0	8.0	8.0	30.3	30.3	94.1	94.0	6.9	7.0	7.3	3				
						4.4	0.2	28	22.0		8.0		30.4	93.8	6.9	7.6								
					Bottom	7.8	0.2	28	22.0	22.0	8.0	8.0	30.4	30.4	95.0	95.1	7.0	7.0	3.5	4				
						7.8	0.2	29	22.0		8.0		30.4	95.2	7.0	3.1	2							
C2	Foggy	Moderate	12:49	11.2	Surface	1.0	0.1	182	22.8	22.8	7.9	7.9	22.0	21.9	98.5	98.6	7.5	7.3	1.0	2.4	2	3	825672	806957
						1.0	0.1	187	22.8		7.9		21.9	98.6	7.5	1.1	3							
					Middle	5.6	0.1	175	22.4	22.4	7.9	7.9	27.0	27.0	94.2	94.2	7.0	7.0	3.1	3				
						5.6	0.1	172	22.4		7.9		27.0	94.2	7.0	3.2	2							
					Bottom	10.2	0.0	190	22.4	22.4	7.9	7.9	27.0	27.0	94.6	94.7	7.0	7.0	3.0	3				
						10.2	0.0	189	22.4		7.9		27.0	94.7	7.0	3.0	2							
C3	Misty	Calm	13:57	11.0	Surface	1.0	0.3	244	22.1	22.1	8.0	8.0	25.4	25.4	96.0	96.1	7.2	7.1	1.3	1.9	<2	2	822103	817779
						1.0	0.3	242	22.1		8.0		25.4	96.1	7.2	1.3	<2							
					Middle	5.5	0.3	251	22.1	22.1	8.0	8.0	29.1	29.2	96.2	95.9	7.0	7.0	1.6	2				
						5.5	0.3	255	22.1		8.0		29.2	95.5	7.0	1.6	2							
					Bottom	10.0	0.3	244	22.1	22.1	8.0	8.0	29.5	29.5	95.2	95.1	7.0	7.0	2.6	3				
						10.0	0.3	242	22.1		8.0		29.5	95.0	6.9	2.7	2							
IM1	Foggy	Moderate	14:09	7.0	Surface	1.0	0.1	29	22.5	22.5	8.0	8.0	26.7	26.7	99.7	99.6	7.4	7.3	1.9	3.9	3	2	818346	806446
						1.0	0.1	34	22.4		8.0		26.7	99.5	7.4	2.2	2							
					Middle	3.5	0.1	22	22.0	22.0	8.0	8.0	30.5	30.5	97.3	97.3	7.1	7.1	4.0	2				
						3.5	0.1	23	22.0		8.0		30.5	97.3	7.1	3.9	2							
					Bottom	6.0	0.1	353	21.9	21.9	8.0	8.0	30.6	30.5	96.4	96.5	7.1	7.1	5.5	<2				
						6.0	0.1	351	21.9		8.0		30.5	96.5	7.1	5.7	<2							
IM2	Foggy	Moderate	14:05	7.4	Surface	1.0	0.1	301	23.1	23.0	8.0	8.0	24.3	24.4	100.0	99.9	7.5	7.3	4.5	7.8	2	3	819181	806235
						1.0	0.2	300	22.9		8.0		24.5	99.7	7.4	4.8	2							
					Middle	3.7	0.1	305	22.0	22.0	8.0	8.0	30.1	30.1	96.8	96.8	7.1	7.1	7.9	2				
						3.7	0.1	306	22.0		8.0		30.1	96.8	7.1	8.6	2							
					Bottom	6.4	0.1	319	21.9	21.9	8.0	7.9	30.6	30.6	96.6	96.7	7.1	7.1	10.1	4				
						6.4	0.1	314	21.9		7.9		30.6	96.7	7.1	10.8	3							
IM7	Foggy	Moderate	13:33	8.1	Surface	1.0	0.1	264	22.6	22.6	7.9	7.9	21.7	21.7	96.0	96.0	7.3	7.3	1.8	2.2	2	4	821352	806840
						1.0	0.1	262	22.6		7.9		21.7	95.9	7.3	1.9	3							
					Middle	4.1	0.1	285	22.5	22.5	7.9	7.9	26.5	26.5	96.3	96.4	7.2	7.2	2.3	4				
						4.1	0.1	284	22.5		7.9		26.5	96.4	7.2	2.3	3							
					Bottom	7.1	0.1	271	22.5	22.5	7.9	7.9	26.6	26.6	98.1	98.3	7.3	7.3	2.5	4				
						7.1	0.1	273	22.5		7.9		26.6	98.4	7.3	2.5	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 15 April 23 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	Misty	Calm	12:51	9.6	Surface	1.0	0.0	241	22.2	22.2	8.0	8.0	23.5	23.5	98.5	98.4	7.5	7.4	1.5	2.2	4	3	822245	809848								
						1.0	0.0	243	22.2		8.0	8.0	23.5	23.5	98.3	98.4	7.4		1.5		4											
					Middle	4.8	0.0	224	22.2	22.2	8.0	8.0	24.4	24.4	98.0	98.1	7.4	7.4	1.8	2.2	3				3	822245	809848					
						4.8	0.0	227	22.2		8.0	8.0	24.5	24.4	98.1	98.1	7.4		1.8		2											
					Bottom	8.6	0.1	232	22.2	22.2	8.0	8.0	25.1	25.0	98.8	99.0	7.4	7.4	3.2	2.2	3							3	822245	809848		
						8.6	0.1	228	22.2		8.0	8.0	25.0	25.0	99.2	99.0	7.4		3.2		2											
IM11	Misty	Calm	13:01	8.0	Surface	1.0	0.1	286	22.1	22.1	8.0	8.0	24.1	24.2	98.3	98.2	7.4	7.4	1.6	1.9	3	2	821492	810546								
						1.0	0.1	279	22.1		8.0	8.0	24.2	24.2	98.1	98.2	7.4		1.6		2											
					Middle	4.0	0.2	259	22.1	22.1	8.0	8.0	24.7	24.8	97.4	97.5	7.3	7.3	2.0	2.2	2				2	821492	810546					
						4.0	0.1	253	22.1		8.0	8.0	24.8	24.8	97.5	97.5	7.3		2.1		2											
					Bottom	7.0	0.1	267	22.1	22.1	8.0	8.0	24.8	24.7	98.6	99.0	7.4	7.5	2.2	2.2	<2							2	821492	810546		
						7.0	0.1	264	22.1		8.0	8.0	24.7	24.7	99.3	99.0	7.5		2.2		<2											
IM12	Misty	Calm	13:07	7.2	Surface	1.0	0.2	303	22.0	22.0	8.0	8.0	23.9	24.0	96.6	96.5	7.3	7.3	1.3	1.7	2	2	821156	811524								
						1.0	0.1	299	22.0		8.0	8.0	24.0	24.0	96.4	96.5	7.3		1.3		2											
					Middle	3.6	0.1	322	22.0	22.0	8.0	8.0	24.8	24.8	96.2	96.3	7.2	7.2	1.5	2.2	2				2	821156	811524					
						3.6	0.1	315	22.0		8.0	8.0	24.8	24.8	96.3	96.3	7.2		1.5		2											
					Bottom	6.2	0.2	280	22.0	22.0	8.0	8.0	25.0	25.0	97.3	97.5	7.3	7.4	2.4	2.4	3							2	821156	811524		
						6.2	0.2	275	22.0		8.0	8.0	25.0	25.0	97.7	97.5	7.4		2.4		3											
SR1A	Misty	Calm	13:19	5.4	Surface	1.0	0.0	178	22.2	22.2	8.0	8.0	24.5	24.5	100.8	100.7	7.6	7.6	2.0	1.8	2	2	819983	812664								
						1.0	0.1	180	22.2		8.0	8.0	24.6	24.5	100.5	100.7	7.5		1.9		2											
					Middle	2.7	0.0	185	-	-	-	-	-	-	-	-	-	-	-	-	-				1.8	-	2				819983	812664
						2.7	-	183	-		-	-	-	-	-	-	-	-	-	-	-					-						
					Bottom	4.4	0.0	158	22.1	22.1	8.0	8.0	24.8	24.8	95.9	95.9	7.2	7.2	1.8	2.2	3				2	819983		812664				
						4.4	0.0	159	22.1		8.0	8.0	24.8	24.8	95.9	95.9	7.2		1.7		2											
SR2	Misty	Calm	13:38	5.2	Surface	1.0	0.1	230	22.3	22.3	8.0	8.0	24.2	24.2	100.2	99.8	7.5	7.5	1.2	1.5	<2	<2	821456	814179								
						1.0	0.1	227	22.3		8.0	8.0	24.2	24.2	99.4	99.8	7.5		1.3		<2											
					Middle	-	0.1	226	-	-	-	-	-	-	-	-	-	-	-	-	-						1.5		-	<2	821456	814179
						-	0.1	224	-		-	-	-	-	-	-	-	-	-	-	-											
					Bottom	4.2	0.1	238	22.3	22.3	8.0	8.0	26.2	26.1	95.8	96.0	7.1	7.1	1.8	2.2	<2				2	821456	814179					
						4.2	0.1	243	22.3		8.0	8.0	26.1	26.1	96.1	96.0	7.1		1.9		<2											
SR3	Foggy	Moderate	13:24	8.9	Surface	1.0	0.1	197	22.9	22.9	7.9	7.9	21.1	21.1	100.0	99.9	7.6	7.3	1.0	2.2	3	2	822144	807584								
						1.0	0.1	202	22.9		7.9	7.9	21.1	21.1	99.8	99.9	7.6		1.0		2											
					Middle	4.5	0.1	191	22.4	22.4	7.9	7.9	26.3	26.3	92.5	92.6	6.9	7.2	3.1	2.2	2							2	822144	807584		
						4.5	0.1	186	22.4		7.9	7.9	26.4	26.3	92.7	92.6	6.9		3.2		2											
					Bottom	7.9	0.1	202	22.4	22.4	7.9	7.9	27.1	27.1	96.5	96.7	7.2	7.2	2.3	2.2	2				2	822144	807584					
						7.9	0.1	208	22.4		7.9	7.9	27.1	27.1	96.9	96.7	7.2		2.3		2											
SR4A	Foggy	Moderate	14:56	9.2	Surface	1.0	0.0	302	22.7	22.7	8.0	8.0	27.7	27.7	96.8	96.8	7.1	7.1	2.3	2.6	3	4	817172	807832								
						1.0	0.0	306	22.7		8.0	8.0	27.7	27.7	96.8	96.8	7.1		2.3		3											
					Middle	4.6	0.0	312	22.2	22.2	8.0	8.0	29.0	29.0	95.6	95.7	7.0	7.0	2.8	2.2	2							4	817172	807832		
						4.6	0.1	318	22.2		8.0	8.0	29.1	29.0	95.7	95.7	7.0		2.8		4											
					Bottom	8.2	0.0	318	22.2	22.2	8.0	8.0	29.1	29.1	96.1	96.2	7.1	7.1	2.8	2.2	4				4	817172	807832					
						8.2	0.0	316	22.2		8.0	8.0	29.1	29.1	96.2	96.2	7.1		2.9		5											
SR8	Misty	Calm	13:11	4.8	Surface	1.0	-	-	22.1	22.1	8.0	8.0	24.1	24.1	98.5	97.7	7.4	7.4	2.4	2.8	<2	<2	820367	811609								
						1.0	-	-	22.1		8.0	8.0	24.2	24.1	96.9	97.7	7.3		2.4		<2											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							2.8	-	<2	820367	811609
						-	-	-	-		-	-	-	-	-	-	-	-	-	-												
					Bottom	3.8	-	-	22.1	22.1	8.0	8.0	24.5	24.4	98.9	99.2	7.4	7.5	3.1	2.2	<2				2	820367	811609					
						3.8	-	-	22.1		8.0	8.0	24.4	24.4	99.5	99.2	7.5		3.1		<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 18 April 23 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	Cloudy	Moderate	12:24	8.5	Surface	1.0	0.4	198	24.1	24.1	8.2	8.2	29.6	29.6	105.9	105.7	7.5	7.4	3.2	5.2	3	4	815639	804249
						1.0	0.4	197	24.1		8.2		29.6		105.4		7.5		3.3		4			
					Middle	4.3	0.5	229	24.0	8.2	8.2	29.9	29.8	101.8	101.8	7.2	7.2	5.0	4					
						4.3	0.5	231	24.0	8.2	8.2	29.8	29.8	101.8	101.8	7.2	7.2	4.9	4					
					Bottom	7.5	0.4	223	24.1	8.2	8.2	29.7	29.7	102.3	102.4	7.3	7.3	7.4	7.3	5				
						7.5	0.4	224	24.1	8.2	8.2	29.7	29.7	102.4	102.4	7.3	7.3	7.3	7.3	4				
C2	Cloudy	Moderate	10:39	11.9	Surface	1.0	0.2	168	24.4	24.4	8.1	8.1	27.7	27.8	104.1	104.1	7.4	7.2	2.4	7.2	3	3	825689	806962
						1.0	0.2	169	24.4		8.1		27.8		104.1		7.4		2.7		3			
					Middle	6.0	0.2	160	24.1	8.1	8.1	29.1	29.1	98.8	98.8	7.0	7.0	7.3	2					
						6.0	0.1	167	24.1	8.1	8.1	29.1	29.1	98.8	98.8	7.0	7.0	7.7	3					
					Bottom	10.9	0.2	182	24.1	8.1	8.1	28.8	28.8	99.4	99.4	7.1	7.1	11.8	7.1		2			
						10.9	0.1	185	24.1	8.1	8.1	28.8	28.8	99.4	99.4	7.1	7.1	11.3	7.1		2			
C3	Misty	Calm	11:34	9.6	Surface	1.0	0.3	65	22.9	22.9	7.7	7.7	27.9	28.0	97.1	97.1	7.1	7.1	1.6	2.1	3	4	822109	817809
						1.0	0.3	61	22.9		7.7		7.7		28.0		28.0		97.0		97.1			
					Middle	4.8	0.4	68	22.8	7.7	7.7	28.4	28.5	96.6	96.6	7.1	7.1	1.9	7.1		4			
						4.8	0.4	62	22.8	7.7	7.7	28.5	28.5	96.5	96.5	7.1	7.1	1.9	7.1		4			
					Bottom	8.6	0.4	68	22.7	7.7	7.7	28.9	28.8	96.9	96.9	7.1	7.1	2.9	7.1		5			
						8.6	0.3	64	22.7	7.7	7.7	28.8	28.8	96.9	96.9	7.1	7.1	2.9	7.1		4			
IM1	Cloudy	Moderate	12:01	6.5	Surface	1.0	0.2	180	24.4	24.4	8.2	8.2	29.0	29.0	107.8	107.8	7.6	7.6	4.0	3.9	3	3	818341	806481
						1.0	0.3	187	24.4		8.2		8.2		29.0		29.0		107.8		107.8			
					Middle	3.3	0.3	203	24.2	8.2	8.2	29.4	29.4	107.3	107.3	7.6	7.6	5.2	7.6		3			
						3.3	0.3	195	24.2	8.2	8.2	29.4	29.4	107.3	107.3	7.6	7.6	5.4	7.6		2			
					Bottom	5.5	0.3	216	24.1	8.1	8.1	29.6	29.5	102.2	102.3	7.3	7.3	2.3	7.3		3			
						5.5	0.3	209	24.1	8.1	8.1	29.5	29.5	102.4	102.4	7.3	7.3	2.5	7.3		3			
IM2	Cloudy	Moderate	11:52	7.3	Surface	1.0	0.2	195	24.2	24.2	8.2	8.2	29.1	29.1	100.9	100.9	7.2	7.2	2.2	4.5	2	3	819198	806215
						1.0	0.3	193	24.2		8.2		8.2		29.1		29.1		100.9		100.9			
					Middle	3.7	0.2	194	24.1	8.2	8.2	29.3	29.3	100.8	100.9	7.2	7.2	2.9	7.2		3			
						3.7	0.2	199	24.1	8.2	8.2	29.3	29.3	100.9	100.9	7.2	7.2	2.9	7.2		3			
					Bottom	6.3	0.2	204	24.1	8.2	8.2	29.3	29.3	102.4	102.6	7.3	7.3	8.0	7.3		3			
						6.3	0.2	203	24.1	8.2	8.2	29.3	29.3	102.8	102.8	7.3	7.3	8.4	7.3		2			
IM7	Cloudy	Moderate	11:17	8.2	Surface	1.0	0.1	133	24.4	24.4	8.2	8.2	27.8	27.8	105.7	105.7	7.5	7.4	0.8	1.7	3	4	821346	806822
						1.0	0.1	135	24.4		8.2		8.2		27.8		27.8		105.7		105.7			
					Middle	4.1	0.2	119	24.2	8.2	8.2	29.2	29.2	102.3	102.3	7.3	7.3	2.2	7.3		5			
						4.1	0.2	112	24.2	8.2	8.2	29.2	29.2	102.3	102.3	7.3	7.3	2.3	7.3		4			
					Bottom	7.2	0.2	144	24.2	8.2	8.2	29.1	29.1	102.6	102.7	7.3	7.3	2.1	7.3		5			
						7.2	0.2	142	24.2	8.2	8.2	29.0	29.1	102.7	102.7	7.3	7.3	2.0	7.3		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 18 April 23 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	Misty	Calm	10:30	9.0	Surface	1.0	0.2	90	23.6	23.6	7.8	7.8	26.2	26.3	104.7	104.6	7.6	7.6	3.9	5.2	3	3	822237	809833
						1.0	0.2	88	23.6		7.8	7.8	26.3	26.3	104.5	104.6	7.6		4.0					
					Middle	4.5	0.2	84	23.5	23.5	7.8	7.8	26.5	26.6	103.8	103.7	7.6	7.5	5.0	3				
						4.5	0.2	91	23.5		7.8	7.8	26.6	26.6	103.6	103.6	7.6		5.0					
					Bottom	8.0	0.2	102	23.7	23.7	7.8	7.8	26.6	26.6	103.5	103.6	7.5	7.5	6.5	2				
						8.0	0.2	105	23.7		7.8	7.8	26.5	26.6	103.6	103.6	7.5		6.6	3				
IM11	Misty	Calm	10:36	7.6	Surface	1.0	0.2	84	23.6	23.6	7.8	7.8	26.1	26.1	106.1	104.6	7.7	7.5	1.0	1.7	3	3	821498	810536
						1.0	0.2	80	23.6		7.8	7.8	26.1	26.1	103.1	102.1	7.5		1.1					
					Middle	3.8	0.2	100	23.5	23.5	7.8	7.8	26.3	26.4	102.2	102.1	7.5	7.4	1.1	2				
						3.8	0.2	97	23.5		7.8	7.8	26.4	26.4	101.9	101.0	7.4		1.1					
					Bottom	6.6	0.3	103	23.5	23.5	7.7	7.6	26.4	26.4	101.3	101.0	7.4	7.4	2.9	4				
						6.6	0.3	97	23.5		7.6	7.6	26.3	26.4	100.7	101.0	7.4		2.9	3				
IM12	Misty	Calm	10:42	7.0	Surface	1.0	0.3	109	23.2	23.2	7.7	7.7	26.7	26.7	98.1	98.1	7.2	7.2	1.0	1.4	2	3	821157	811537
						1.0	0.3	102	23.2		7.7	7.7	26.7	26.7	98.0	98.0	7.2		1.1					
					Middle	3.5	0.3	107	23.2	23.2	7.7	7.7	26.8	26.8	98.0	98.0	7.2	7.2	1.1	4				
						3.5	0.3	114	23.2		7.7	7.7	26.8	26.8	98.0	98.0	7.2		1.2					
					Bottom	6.0	0.3	117	23.2	23.2	7.7	7.7	26.8	26.7	98.3	98.2	7.2	7.2	2.0	4				
						6.0	0.2	122	23.2		7.7	7.7	26.7	26.7	98.1	98.2	7.2		2.0	4				
SR1A	Misty	Calm	11:02	5.0	Surface	1.0	0.0	84	23.4	23.4	7.8	7.8	26.2	26.2	102.1	102.1	7.5	7.5	1.5	1.9	5	5	819974	812660
						1.0	0.0	90	23.4		7.8	7.8	26.2	26.2	102.0	102.1	7.5		1.4					
					Middle	2.5	0.0	101	-	-	-	-	-	-	-	-	-	-	-	4				
						2.5	0.0	99	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	0.0	99	23.5	23.5	7.8	7.8	26.3	26.3	101.8	101.8	7.4	7.5	2.3	6				
						4.0	0.0	103	23.5		7.8	7.8	26.3	26.3	101.8	101.8	7.5		2.2	4				
SR2	Misty	Calm	11:12	5.8	Surface	1.0	0.3	65	23.2	23.2	7.7	7.7	27.0	27.0	98.7	98.8	7.2	7.2	1.4	2.1	4	3	821479	814162
						1.0	0.3	70	23.2		7.7	7.7	27.0	27.0	98.8	98.8	7.2		1.4					
					Middle	-	0.3	34	-	-	-	-	-	-	-	-	-	-	-	4				
						-	0.2	40	-		-	-	-	-	-	-	-		-					
					Bottom	4.8	0.2	58	23.2	23.2	7.7	7.7	27.0	26.9	99.0	98.8	7.3	7.3	2.9	2				
						4.8	0.2	64	23.2		7.7	7.7	26.8	26.9	98.6	98.8	7.2		2.9	3				
SR3	Cloudy	Moderate	11:09	8.8	Surface	1.0	0.2	157	24.4	24.4	8.1	8.1	27.3	27.3	98.6	98.6	7.1	6.9	0.8	1.1	3	2	822151	807594
						1.0	0.3	157	24.4		8.1	8.1	27.4	27.3	98.6	98.6	7.1		0.8					
					Middle	4.4	0.3	140	24.0	24.0	8.1	8.1	29.1	29.1	94.5	94.6	6.7	6.8	1.3	2				
						4.4	0.3	132	24.0		8.1	8.1	29.1	29.1	94.6	95.5	6.7		1.3					
					Bottom	7.8	0.2	144	24.0	24.1	8.1	8.1	29.1	29.1	95.5	95.6	6.8	6.8	1.3	<2				
						7.8	0.2	142	24.1		8.1	8.1	29.1	29.1	95.7	95.6	6.8		1.4	<2				
SR4A	Cloudy	Moderate	12:53	9.1	Surface	1.0	0.0	320	24.3	24.3	8.2	8.2	28.8	28.8	108.3	108.3	7.7	7.5	1.8	5.1	3	4	817189	807815
						1.0	0.0	316	24.3		8.2	8.2	28.8	28.8	108.2	108.3	7.7		1.8					
					Middle	4.6	0.0	334	24.2	24.2	8.2	8.2	29.0	29.0	103.2	103.2	7.3	7.4	2.1	4				
						4.6	-	329	24.2		8.2	8.2	29.0	29.0	103.1	103.2	7.3		2.1					
					Bottom	8.1	0.0	326	24.2	24.2	8.2	8.2	29.0	28.9	103.6	103.7	7.4	7.4	11.0	5				
						8.1	0.0	332	24.2		8.2	8.2	28.9	28.9	103.8	103.7	7.4		11.7	4				
SR8	Misty	Calm	10:47	4.8	Surface	1.0	-	-	23.5	23.5	7.7	7.7	26.1	26.1	99.9	99.8	7.3	7.3	1.3	2.1	2	3	820408	811600
						1.0	-	-	23.5		7.7	7.7	26.1	26.1	99.6	99.8	7.3		1.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.8	-	-	23.4	23.4	7.7	7.7	26.3	26.2	99.0	98.9	7.3	7.3	2.9	3				
						3.8	-	-	23.4		7.7	7.7	26.2	26.2	98.7	98.9	7.2		2.8	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 18 April 23 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	Cloudy	Moderate	05:55	8.6	Surface	1.0	0.4	30	24.2	24.2	8.2	8.2	28.7	28.7	100.7	100.7	7.2	7.2	2.9	7.1	6	5	815635	804263				
						1.0	0.3	24	24.2	8.2	8.2	28.7	28.7	100.6	100.6	7.2	7.2	2.9	7.1	5								
					Middle	4.3	0.4	34	24.1	24.1	8.2	8.2	29.0	29.0	98.8	98.8	7.0	7.0	3.8	7.3	6				4.3	6		
						4.3	0.4	38	24.1	24.1	8.2	8.2	29.0	29.0	98.7	98.7	7.0	7.0	3.6	7.3	5				4.3	5		
					Bottom	7.6	0.3	21	24.0	24.0	8.2	8.2	29.6	29.6	97.5	97.5	6.9	6.9	6.4	7.2	6.4				6.9	6.3	4	
						7.6	0.4	24	24.0	24.0	8.2	8.2	29.6	29.6	97.5	97.5	6.9	6.9	6.3	7.2	6.3				7.2	6.3	5	
C2	Cloudy	Moderate	07:31	12.2	Surface	1.0	0.4	342	24.6	24.6	8.1	8.1	27.5	27.6	103.2	103.1	7.4	7.3	1.8	7.3	3	4	825701	806929				
						1.0	0.4	343	24.5	24.6	8.1	8.1	27.6	27.6	102.9	102.9	7.3	7.3	1.9	7.3	3							
					Middle	6.1	0.5	5	24.1	24.1	8.2	8.2	29.2	29.2	101.0	101.0	7.2	7.2	3.8	7.3	4				4.7	4		
						6.1	0.5	358	24.1	24.1	8.2	8.2	29.2	29.2	101.0	101.0	7.2	7.2	3.9	7.3	4				4.7	4		
					Bottom	11.2	0.5	14	24.2	24.2	8.1	8.1	28.9	28.9	101.6	101.6	7.2	7.2	8.6	7.2	8.6				7.2	8.2	4	
						11.2	0.5	8	24.2	24.2	8.1	8.1	28.8	28.9	101.7	101.7	7.2	7.2	8.2	7.2	8.2				7.2	8.2	4	
C3	Misty	Calm	06:24	10.8	Surface	1.0	0.5	256	22.9	22.9	7.7	7.7	28.2	28.2	97.8	97.8	7.2	7.1	1.0	7.1	3	3	822112	817822				
						1.0	0.5	252	22.8	22.9	7.7	7.7	28.2	28.2	97.7	97.7	7.1	7.1	1.1	7.1	3							
					Middle	5.4	0.5	258	22.7	22.7	7.7	7.7	28.6	28.6	97.0	97.0	7.1	7.1	1.1	7.1	3				1.4	3		
						5.4	0.5	251	22.7	22.7	7.7	7.7	28.6	28.6	96.9	96.9	7.1	7.1	1.2	7.1	3				1.4	3		
					Bottom	9.8	0.5	244	22.7	22.7	7.7	7.7	28.7	28.7	96.9	96.9	7.1	7.1	2.1	7.1	2.1				7.1	2.2	7.1	3
						9.8	0.5	245	22.7	22.7	7.7	7.7	28.7	28.7	96.8	96.8	7.1	7.1	2.2	7.1	2.2				7.1	2.2	7.1	4
IM1	Cloudy	Moderate	06:16	6.2	Surface	1.0	0.2	27	24.1	24.1	8.2	8.2	29.2	29.2	102.2	102.2	7.3	7.3	2.4	7.3	4	5	818366	806471				
						1.0	0.3	21	24.1	24.1	8.2	8.2	29.3	29.2	102.1	102.1	7.3	7.3	2.3	7.3	4							
					Middle	3.1	0.2	-	24.0	24.0	8.2	8.2	29.4	29.4	101.7	101.7	7.2	7.2	2.1	7.2	4				2.1	4		
						3.1	0.2	7	24.0	24.0	8.2	8.2	29.4	29.4	101.7	101.7	7.2	7.2	2.1	7.2	4				2.1	4		
					Bottom	5.2	0.3	12	24.0	24.0	8.2	8.2	29.6	29.6	101.6	101.6	7.2	7.2	2.0	7.2	2.0				7.2	6		
						5.2	0.3	10	24.0	24.0	8.2	8.2	29.6	29.6	101.6	101.6	7.2	7.2	2.0	7.2	2.0				7.2	5		
IM2	Cloudy	Moderate	06:27	7.0	Surface	1.0	0.3	2	24.3	24.3	8.2	8.2	28.8	28.8	104.9	104.9	7.5	7.5	3.1	7.3	4	5	819196	806249				
						1.0	0.2	0	24.3	24.3	8.2	8.2	28.8	28.8	104.9	104.9	7.5	7.5	3.0	7.3	4							
					Middle	3.5	0.3	14	24.0	24.0	8.2	8.2	29.7	29.7	100.0	100.0	7.1	7.1	5.0	7.3	4				6.2	4		
						3.5	0.3	16	24.0	24.0	8.2	8.2	29.7	29.7	100.0	100.0	7.1	7.1	5.1	7.3	5				6.2	5		
					Bottom	6.0	0.3	40	24.0	24.0	8.2	8.2	29.7	29.7	100.7	100.7	7.2	7.2	10.3	7.2	10.3				7.2	10.4	6	
						6.0	0.2	39	24.0	24.0	8.2	8.2	29.7	29.7	101.0	101.0	7.2	7.2	10.4	7.2	10.4				7.2	10.4	6	
IM7	Cloudy	Moderate	07:01	8.2	Surface	1.0	0.2	358	24.2	24.2	8.2	8.2	28.6	28.6	101.5	101.4	7.2	7.2	1.9	7.2	3	3	821349	806811				
						1.0	0.2	350	24.2	24.2	8.2	8.2	28.6	28.6	101.3	101.3	7.2	7.2	2.0	7.2	3							
					Middle	4.1	0.3	8	24.1	24.1	8.2	8.2	29.2	29.2	100.1	100.1	7.1	7.1	2.5	7.2	2.5				7.2	3		
						4.1	0.3	5	24.1	24.1	8.2	8.2	29.2	29.2	100.1	100.1	7.1	7.1	2.5	7.2	2.5				7.2	3		
					Bottom	7.2	0.3	349	24.1	24.1	8.2	8.2	29.3	29.3	100.5	100.6	7.1	7.1	2.5	7.2	2.5				7.2	2.4	7.2	3
						7.2	0.3	344	24.1	24.1	8.2	8.2	29.3	29.3	100.6	100.6	7.2	7.2	2.4	7.2	2.4				7.2	2.4	7.2	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 18 April 23 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		
IM10	Misty	Calm	07:29	8.6	Surface	1.0	0.4	293	23.7	23.7	7.8	7.8	25.7	25.7	105.7	105.6	7.7	7.7	1.0	2.1	4	4	822260	809826
						1.0	0.4	288	23.7		7.8	7.8	25.7	25.7	105.5	105.6	7.7		1.1		4			
					Middle	4.3	0.3	301	23.7	23.7	7.8	7.8	25.8	25.8	105.1	105.1	7.7	7.3	2.2	3	4			
						4.3	0.3	300	23.7		7.8	7.8	25.8	25.8	105.1	105.1	7.7		2.2	3				
					Bottom	7.6	0.3	279	23.4	23.5	7.7	7.7	26.8	26.8	100.7	100.5	7.3	7.2	3.1	4	4			
						7.6	0.3	286	23.5		7.6	7.6	26.8	26.8	100.2	100.5	7.3		3.2	3				
IM11	Misty	Calm	07:22	7.2	Surface	1.0	0.4	283	23.2	23.2	7.7	7.7	26.7	26.7	97.5	97.5	7.1	7.1	1.6	1.9	2	2	821493	810567
						1.0	0.4	278	23.2		7.7	7.7	26.7	26.7	97.5	97.5	7.1		1.5		2			
					Middle	3.6	0.5	274	23.2	23.2	7.7	7.7	26.7	26.7	97.4	97.4	7.1	7.2	2.0	3	2			
						3.6	0.5	274	23.2		7.7	7.7	26.7	26.7	97.4	97.4	7.1		1.9	2				
					Bottom	6.2	0.4	280	23.2	23.2	7.6	7.6	26.8	26.8	97.6	97.5	7.2	7.2	2.3	2	2			
						6.2	0.4	273	23.2		7.6	7.6	26.7	26.8	97.4	97.5	7.1		2.3	3				
IM12	Misty	Calm	07:18	8.0	Surface	1.0	0.5	274	23.2	23.2	7.8	7.8	26.6	26.6	98.3	98.3	7.2	7.2	1.2	2.1	2	3	821155	811538
						1.0	0.5	273	23.2		7.8	7.8	26.6	26.6	98.2	98.3	7.2		1.1		2			
					Middle	4.0	0.5	279	23.2	23.2	7.7	7.7	26.6	26.6	98.1	98.1	7.2	7.2	2.5	3	3			
						4.0	0.5	284	23.2		7.7	7.7	26.6	26.6	98.1	98.1	7.2		2.4	2				
					Bottom	7.0	0.5	281	23.2	23.2	7.7	7.7	26.7	26.7	97.9	97.9	7.2	7.2	2.8	3	3			
						7.0	0.4	287	23.2		7.6	7.7	26.7	26.7	97.8	97.9	7.2		2.8	3				
SR1A	Misty	Calm	07:00	4.8	Surface	1.0	0.0	189	23.7	23.7	7.6	7.6	26.7	26.7	99.9	99.8	7.3	7.3	1.2	1.6	2	3	819975	812655
						1.0	0.0	191	23.6		7.6	7.6	26.7	26.7	99.7	99.8	7.3		1.3		2			
					Middle	2.4	0.0	208	-	-	-	-	-	-	-	-	-	7.2	-	-	-			
						2.4	0.0	211	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.8	0.1	224	23.6	23.6	7.6	7.6	26.8	26.7	99.1	98.9	7.2	7.2	2.0	3	3			
						3.8	0.0	227	23.5		7.6	7.6	26.7	26.7	98.7	98.9	7.2		2.1	4				
SR2	Misty	Calm	06:45	5.0	Surface	1.0	0.1	241	23.4	23.4	7.7	7.7	25.9	26.0	99.0	99.0	7.3	7.3	1.6	2.3	5	4	821478	814185
						1.0	0.1	244	23.4		7.7	7.7	26.0	26.0	98.9	99.0	7.3		1.6		5			
					Middle	-	0.1	247	-	-	-	-	-	-	-	-	-	7.2	-	-	-			
						-	0.1	241	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	0.1	253	23.3	23.4	7.6	7.6	26.2	26.1	98.3	98.2	7.2	7.2	3.0	2	2			
						4.0	0.2	259	23.4		7.6	7.6	26.0	26.1	98.0	98.2	7.2		2.9	2				
SR3	Cloudy	Moderate	07:11	8.6	Surface	1.0	0.4	358	24.4	24.4	8.1	8.1	27.2	27.2	98.3	98.3	7.0	6.9	0.6	0.9	4	3	822125	807571
						1.0	0.4	352	24.4		8.1	8.1	27.2	27.2	98.3	98.3	7.0		0.6		4			
					Middle	4.3	0.4	337	24.0	24.0	8.1	8.1	29.0	29.0	94.7	94.8	6.8	6.8	1.1	4	4			
						4.3	0.4	340	24.0		8.1	8.1	29.1	29.1	94.8	94.8	6.8		1.1	3				
					Bottom	7.6	0.4	10	24.1	24.2	8.1	8.1	28.7	28.6	95.5	95.7	6.8	6.8	1.0	2	2			
						7.6	0.4	7	24.2		8.1	8.1	28.6	28.6	95.8	95.7	6.8		1.0	3				
SR4A	Cloudy	Moderate	05:27	8.5	Surface	1.0	0.1	215	24.4	24.4	8.2	8.2	28.5	28.5	104.6	104.7	7.4	7.3	2.2	2.4	5	4	817171	807830
						1.0	0.1	213	24.4		8.2	8.2	28.5	28.5	104.7	104.7	7.4		2.2		5			
					Middle	4.3	0.0	209	24.2	24.2	8.1	8.1	28.9	28.9	100.0	100.0	7.1	7.1	2.6	4	4			
						4.3	0.1	203	24.2		8.1	8.1	28.9	28.9	100.0	100.0	7.1		2.6	3				
					Bottom	7.5	0.0	205	24.2	24.2	8.1	8.1	29.0	29.0	100.1	100.1	7.1	7.1	2.6	3	3			
						7.5	0.0	207	24.2		8.1	8.1	28.9	28.9	100.1	100.1	7.1		2.5	4				
SR8	Misty	Calm	07:15	4.2	Surface	1.0	-	-	23.3	23.3	7.7	7.7	26.4	26.4	99.1	99.0	7.3	7.3	1.2	1.7	2	4	820375	811634
						1.0	-	-	23.3		7.7	7.7	26.4	26.4	98.9	99.0	7.3		1.3		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.2	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.2	-	-	23.3	23.3	7.6	7.6	26.4	26.3	98.4	98.2	7.2	7.2	2.0	4	4			
						3.2	-	-	23.3		7.6	7.6	26.3	26.3	97.9	98.2	7.2		2.1	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 20 April 23 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	Foggy	Moderate	13:10	8.3	Surface	1.0	0.5	198	24.2	8.2	8.2	29.7	29.7	102.5	102.4	7.3	7.1	7.2	3.4	6.1	2	3	815606	804237
						1.0	0.5	203	24.2	8.2	8.2	29.8	29.7	102.2	102.4	7.2		3.4	2					
					Middle	4.2	0.5	217	24.2	8.2	8.2	30.1	30.1	96.8	96.9	6.8		3.6	3					
						4.2	0.5	213	24.2	8.2	8.2	30.1	30.1	96.9	96.9	6.9		3.5	3					
					Bottom	7.3	0.5	202	24.2	8.2	8.2	30.0	30.0	98.7	98.8	7.0		12.0	3					
						7.3	0.5	200	24.2	8.2	8.2	30.0	30.0	98.9	98.9	7.0		11.1	3					
C2	Foggy	Moderate	11:35	11.6	Surface	1.0	0.1	166	24.2	8.2	8.2	28.5	28.5	94.1	94.1	6.7	6.7	6.7	4.6	8.1	3	4	825692	806950
						1.0	0.2	169	24.2	8.2	8.2	28.6	28.5	94.1	94.1	6.7		4.8	3					
					Middle	5.8	0.2	172	24.1	8.2	8.2	29.4	29.4	93.9	93.9	6.7		7.8	4					
						5.8	0.2	167	24.1	8.2	8.2	29.4	29.4	93.9	93.9	6.7		8.4	4					
					Bottom	10.6	0.2	141	24.3	8.2	8.2	29.0	29.0	93.8	93.8	6.7		11.1	4					
						10.6	0.1	137	24.4	8.2	8.2	28.9	29.0	93.8	93.8	6.7		11.8	4					
C3	Misty	Moderate	12:38	9.6	Surface	1.0	0.5	83	23.1	7.9	7.9	27.5	27.5	92.4	92.4	6.8	6.7	6.7	1.1	1.1	4	3	822095	817820
						1.0	0.5	83	23.1	7.9	7.9	27.6	27.5	92.3	92.4	6.7		1.1	3					
					Middle	4.8	0.5	92	23.1	7.8	7.8	27.7	27.7	91.6	91.6	6.7		1.1	2					
						4.8	0.5	93	23.1	7.8	7.8	27.7	27.7	91.5	91.6	6.7		1.1	3					
					Bottom	8.6	0.5	103	23.0	7.8	7.8	27.8	27.7	91.1	91.1	6.7		1.2	2					
						8.6	0.5	109	23.1	7.8	7.8	27.6	27.7	91.0	91.1	6.7		1.2	2					
IM1	Foggy	Moderate	12:45	6.5	Surface	1.0	0.2	197	24.1	8.2	8.2	30.2	30.3	103.1	103.2	7.3	7.2	7.3	4.1	6.0	2	2	818344	806452
						1.0	0.2	194	24.0	8.2	8.2	30.3	30.3	103.2	103.2	7.3		4.2	2					
					Middle	3.3	0.3	168	23.9	8.2	8.2	30.9	30.9	99.1	99.2	7.0		5.6	2					
						3.3	0.3	174	23.9	8.2	8.2	30.9	30.9	99.2	99.2	7.0		5.4	2					
					Bottom	5.5	0.3	204	23.9	8.2	8.2	30.8	30.8	100.3	100.4	7.1		8.2	2					
						5.5	0.3	202	24.0	8.2	8.2	30.8	30.8	100.5	100.4	7.1		8.7	2					
IM2	Foggy	Moderate	12:41	7.5	Surface	1.0	0.2	181	24.1	8.2	8.2	30.1	30.1	100.4	100.5	7.1	7.1	7.1	4.2	5.7	2	3	819171	806230
						1.0	0.2	175	24.1	8.2	8.2	30.2	30.1	100.5	100.5	7.1		4.4	2					
					Middle	3.8	0.2	167	24.0	8.2	8.2	30.7	30.7	100.0	99.9	7.1		5.6	4					
						3.8	0.2	160	24.0	8.2	8.2	30.7	30.7	99.8	99.9	7.1		5.4	3					
					Bottom	6.5	0.3	183	23.9	8.2	8.2	31.0	31.0	100.1	100.2	7.1		7.4	3					
						6.5	0.3	181	23.9	8.2	8.2	31.0	31.0	100.3	100.2	7.1		7.1	4					
IM7	Foggy	Moderate	12:08	8.2	Surface	1.0	0.3	129	24.2	8.2	8.2	28.9	29.0	97.0	97.1	6.9	6.9	6.9	2.9	7.5	3	3	821362	806835
						1.0	0.3	131	24.2	8.2	8.2	29.0	29.0	97.1	97.1	6.9		3.3	3					
					Middle	4.1	0.2	125	24.0	8.2	8.2	30.7	30.7	97.0	97.0	6.9		8.5	4					
						4.1	0.2	117	24.0	8.2	8.2	30.8	30.8	97.0	97.0	6.8		8.8	3					
					Bottom	7.2	0.3	113	24.0	8.2	8.2	30.8	30.8	97.1	97.2	6.9		10.3	4					
						7.2	0.3	114	24.0	8.2	8.2	30.8	30.8	97.2	97.2	6.9		11.0	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 20 April 23 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								
IM10	Misty	Moderate	11:34	9.0	Surface	1.0	0.3	71	23.3	23.3	7.8	7.8	26.7	26.7	92.1	92.1	6.7	6.7	6.7	1.2	1.5	2	822257	809845				
						1.0	0.3	71	23.3		7.8	7.8	26.8	26.8	92.1	92.1	6.7	6.7		1.1		2						
					Middle	4.5	0.3	88	23.3	23.3	7.8	7.8	26.8	26.8	92.0	92.0	6.7	6.7	6.7	1.2	1.5	2			822257	809845		
						4.5	0.3	82	23.2		7.8	7.8	26.8	26.8	92.0	92.0	6.7	6.7		1.2		2						
					Bottom	8.0	0.3	75	23.2	23.2	7.8	7.8	26.8	26.8	91.9	91.9	6.7	6.7	6.7	2.1	1.5	2					822257	809845
						8.0	0.2	74	23.2		7.8	7.8	26.8	26.8	91.9	91.9	6.7	6.7		2.1		2						
IM11	Misty	Moderate	11:40	7.4	Surface	1.0	0.4	90	23.4	23.4	7.8	7.8	26.6	26.6	92.3	92.2	6.8	6.8	6.8	1.1	1.3	2	821483	810561				
						1.0	0.4	86	23.3		7.8	7.8	26.7	26.7	92.1	92.2	6.7	6.7		1.1		3						
					Middle	3.7	0.4	82	23.3	23.3	7.8	7.8	26.7	26.7	92.2	92.3	6.7	6.7	6.8	1.3	1.3	3			821483	810561		
						3.7	0.4	80	23.3		7.8	7.8	26.7	26.7	92.3	92.3	6.8	6.8		1.3		2						
					Bottom	6.4	0.4	106	23.4	23.4	7.8	7.8	26.6	26.6	92.7	92.8	6.8	6.8	6.8	1.4	1.3	2					821483	810561
						6.4	0.4	104	23.4		7.8	7.8	26.6	26.6	92.8	92.8	6.8	6.8		1.5		2						
IM12	Misty	Moderate	11:46	7.0	Surface	1.0	0.4	87	23.3	23.3	7.8	7.8	25.8	25.9	92.3	92.2	6.8	6.8	6.8	1.6	2.3	3	821184	811507				
						1.0	0.4	86	23.3		7.8	7.8	25.9	25.9	92.1	92.2	6.8	6.8		1.5		4						
					Middle	3.5	0.4	101	23.3	23.3	7.8	7.8	26.1	26.2	91.3	91.2	6.7	6.7	6.8	2.1	2.3	3			821184	811507		
						3.5	0.4	95	23.3		7.8	7.8	26.2	26.2	91.1	91.2	6.7	6.7		2.1		2						
					Bottom	6.0	0.4	120	23.3	23.3	7.8	7.8	26.2	26.2	90.5	90.5	6.6	6.6	6.6	3.4	2.3	3					821184	811507
						6.0	0.3	118	23.3		7.8	7.8	26.2	26.2	90.4	90.5	6.6	6.6		3.3		3						
SR1A	Misty	Moderate	12:06	5.8	Surface	1.0	0.0	58	23.3	23.3	7.8	7.8	26.3	26.3	92.0	92.0	6.8	6.8	6.8	1.2	1.3	3	819974	812663				
						1.0	0.1	59	23.3		7.8	7.8	26.3	26.3	91.9	92.0	6.7	6.7		1.2		2						
					Middle	2.9	0.0	49	-	-	-	-	-	-	-	-	-	-	6.8	-	1.3	-			819974	812663		
						2.9	0.1	44	-		-	-	-	-	-	-	-	-		-		-						
					Bottom	4.8	0.0	30	23.3	23.3	7.8	7.8	26.3	26.3	91.3	91.2	6.7	6.7	6.7	1.3	1.3	3					819974	812663
						4.8	0.0	32	23.3		7.8	7.8	26.3	26.3	91.1	91.2	6.7	6.7		1.4		4						
SR2	Misty	Moderate	12:17	5.6	Surface	1.0	0.3	60	23.2	23.2	7.8	7.8	26.9	26.9	91.6	91.6	6.7	6.7	6.7	3.4	3.7	4	821484	814148				
						1.0	0.3	56	23.2		7.8	7.8	26.9	26.9	91.5	91.6	6.7	6.7		3.5		3						
					Middle	-	0.3	71	-	-	-	-	-	-	-	-	-	-	6.7	-	3.7	-			821484	814148		
						-	0.3	72	-		-	-	-	-	-	-	-	-		-		-						
					Bottom	4.6	0.3	36	23.2	23.2	7.8	7.8	27.1	27.0	90.9	90.8	6.7	6.7	6.7	4.0	3.7	2					821484	814148
						4.6	0.3	33	23.2		7.8	7.8	26.9	27.0	90.6	90.8	6.6	6.6		4.0		2						
SR3	Foggy	Moderate	11:59	8.7	Surface	1.0	0.3	133	24.1	24.1	8.2	8.2	30.4	30.4	97.9	97.9	6.9	6.9	6.9	9.9	9.1	2	822159	807568				
						1.0	0.3	133	24.0		8.2	8.2	30.5	30.4	97.8	97.9	6.9	6.9		9.3		2						
					Middle	4.4	0.2	119	24.0	24.0	8.2	8.2	30.6	30.6	96.8	96.9	6.8	6.8	6.9	9.2	9.1	3			822159	807568		
						4.4	0.3	114	24.0		8.2	8.2	30.6	30.6	96.9	96.9	6.8	6.8		9.2		3						
					Bottom	7.7	0.3	109	24.1	24.2	8.2	8.2	30.6	30.5	96.9	96.9	6.8	6.8	6.8	8.6	9.1	3					822159	807568
						7.7	0.2	102	24.2		8.2	8.2	30.5	30.5	96.9	96.9	6.8	6.8		8.2		3						
SR4A	Foggy	Moderate	13:39	8.9	Surface	1.0	0.0	45	24.3	24.3	8.2	8.2	29.9	29.9	97.0	97.0	6.9	6.9	6.8	4.7	5.7	2	817169	807807				
						1.0	0.1	48	24.3		8.2	8.2	29.9	29.9	96.9	97.0	6.8	6.8		4.9		2						
					Middle	4.5	0.0	24	24.0	24.0	8.2	8.2	30.4	30.4	95.7	95.8	6.8	6.8	6.9	6.3	5.7	<2			817169	807807		
						4.5	-	24	24.0		8.2	8.2	30.5	30.4	95.8	95.8	6.8	6.8		6.3		<2						
					Bottom	7.9	0.0	34	24.1	24.1	8.2	8.2	30.4	30.4	96.7	96.9	6.8	6.8	6.9	5.9	5.7	<2					817169	807807
						7.9	0.0	38	24.1		8.2	8.2	30.4	30.4	97.0	97.0	6.9	6.9		5.9		<2						
SR8	Misty	Moderate	11:51	4.6	Surface	1.0	-	-	23.3	23.3	7.8	7.8	25.8	25.9	94.1	94.3	6.9	6.9	6.9	1.8	2.0	3	820369	811605				
						1.0	-	-	23.3		7.8	7.8	26.0	26.0	94.5	94.5	6.9	6.9		1.8		2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	-	2.0	-			820369	811605		
						-	-	-	-		-	-	-	-	-	-	-	-		-		-						
					Bottom	3.6	-	-	23.3	23.4	7.8	7.8	26.0	25.9	94.7	94.7	7.0	7.0	7.0	2.2	2.0	2					820369	811605
						3.6	-	-	23.5		7.8	7.8	25.8	25.8	94.7	94.7	6.9	6.9		2.3		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 20 April 23 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	Foggy	Moderate	06:35	8.5	Surface	1.0	0.3	24	24.0	24.0	8.2	8.2	30.2	30.2	97.7	97.6	6.9	6.9	6.6	6.6	5	5	815613	804249
						1.0	0.3	23	24.0	8.2	8.2	30.2	30.2	97.5	97.6	6.9	6.9	6.6	6.6	4	4			
					Middle	4.3	0.3	31	24.0	24.0	8.2	8.2	30.4	30.4	96.8	96.8	6.9	6.9	7.4	7.4	3	3		
						4.3	0.2	37	24.0	24.0	8.2	8.2	30.4	30.4	96.8	96.8	6.9	6.9	7.4	7.4	2	2		
					Bottom	7.5	0.3	23	24.0	24.0	8.2	8.2	30.6	30.6	86.9	86.8	6.1	6.1	10.3	10.3	2	2		
						7.5	0.3	15	24.0	24.0	8.2	8.2	30.5	30.6	86.6	86.8	6.1	6.1	10.9	10.9	3	3		
C2	Foggy	Moderate	08:09	11.9	Surface	1.0	0.5	350	24.2	24.2	8.2	8.2	28.7	28.8	94.3	94.3	6.7	6.7	7.1	7.1	2	2	825659	806963
						1.0	0.5	348	24.2	24.2	8.2	8.2	28.9	28.8	94.3	94.3	6.7	6.7	8.0	8.0	2	2		
					Middle	6.0	0.5	343	24.1	24.1	8.2	8.2	29.5	29.4	94.2	94.2	6.7	6.7	10.8	10.8	2	2		
						6.0	0.5	338	24.1	24.1	8.2	8.2	29.4	29.4	94.2	94.2	6.7	6.7	10.5	10.5	2	2		
					Bottom	10.9	0.5	358	24.2	24.3	8.2	8.2	29.1	29.1	94.2	94.2	6.7	6.7	12.8	12.8	3	3		
						10.9	0.5	355	24.3	24.3	8.2	8.2	29.0	29.1	94.2	94.2	6.7	6.7	12.1	12.1	2	2		
C3	Misty	Rough	07:30	12.0	Surface	1.0	0.6	261	23.0	23.0	7.7	7.7	26.3	26.3	94.3	94.3	7.0	7.0	1.6	1.6	2	2	822101	817797
						1.0	0.5	258	23.0	23.0	7.7	7.7	26.3	26.3	94.2	94.2	7.0	7.0	1.8	1.8	2	2		
					Middle	6.0	0.6	270	22.8	22.8	7.7	7.7	26.3	26.3	93.9	93.9	6.9	6.9	2.5	2.5	3	3		
						6.0	0.6	265	22.8	22.8	7.7	7.7	26.3	26.3	93.9	93.9	6.9	6.9	2.5	2.5	2	2		
					Bottom	11.0	0.5	277	22.8	22.8	7.7	7.7	25.6	25.5	93.7	93.8	7.0	7.0	4.2	4.2	4	4		
						11.0	0.5	282	22.8	22.8	7.7	7.7	25.5	25.5	93.8	93.8	7.0	7.0	4.3	4.3	2	2		
IM1	Foggy	Moderate	07:00	6.2	Surface	1.0	0.2	16	24.0	24.0	8.2	8.2	29.9	29.9	100.2	100.2	7.1	7.1	5.1	5.1	2	2	818346	806457
						1.0	0.2	23	24.0	24.0	8.2	8.2	29.9	29.9	100.1	100.1	7.1	7.1	5.2	5.2	3	3		
					Middle	3.1	0.3	9	23.9	23.9	8.2	8.2	30.6	30.6	99.1	99.1	7.0	7.0	6.1	6.1	3	3		
						3.1	0.3	8	23.9	23.9	8.2	8.2	30.6	30.6	99.1	99.1	7.0	7.0	6.2	6.2	4	4		
					Bottom	5.2	0.2	4	23.9	23.9	8.2	8.2	30.6	30.6	98.5	98.5	7.0	7.0	6.1	6.1	3	3		
						5.2	0.2	7	23.9	23.9	8.2	8.2	30.6	30.6	98.4	98.4	7.0	7.0	6.0	6.0	4	4		
IM2	Foggy	Moderate	07:04	6.6	Surface	1.0	0.3	354	24.0	24.0	8.2	8.2	29.8	29.9	100.9	100.9	7.2	7.2	4.5	4.5	2	2	819171	806250
						1.0	0.3	355	24.0	24.0	8.2	8.2	29.9	29.9	100.8	100.8	7.1	7.1	4.7	4.7	3	3		
					Middle	3.3	0.3	5	24.0	24.0	8.2	8.2	30.2	30.2	100.2	100.2	7.1	7.1	5.1	5.1	3	3		
						3.3	0.3	358	24.0	24.0	8.2	8.2	30.2	30.2	100.2	100.2	7.1	7.1	5.0	5.0	3	3		
					Bottom	5.6	0.2	28	24.0	24.0	8.2	8.2	30.3	30.3	99.7	99.7	7.1	7.1	5.2	5.2	4	4		
						5.6	0.2	31	24.0	24.0	8.2	8.2	30.3	30.3	99.7	99.7	7.1	7.1	5.2	5.2	5	5		
IM7	Foggy	Moderate	07:40	8.2	Surface	1.0	0.3	356	24.2	24.2	8.2	8.2	29.1	29.1	94.3	94.3	6.7	6.7	4.4	4.4	3	3	821327	806816
						1.0	0.3	357	24.1	24.1	8.2	8.2	29.2	29.2	94.3	94.3	6.7	6.7	4.7	4.7	3	3		
					Middle	4.1	0.2	341	24.1	24.1	8.2	8.2	29.9	29.9	94.5	94.5	6.7	6.7	9.6	9.6	3	3		
						4.1	0.2	337	24.1	24.1	8.2	8.2	30.0	30.0	94.5	94.5	6.7	6.7	9.8	9.8	2	2		
					Bottom	7.2	0.2	358	24.0	24.0	8.2	8.2	30.0	30.0	94.4	94.4	6.7	6.7	10.9	10.9	2	2		
						7.2	0.2	354	24.0	24.0	8.2	8.2	30.0	30.0	94.4	94.4	6.7	6.7	10.9	10.9	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**

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 April 23 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	Misty	Moderate	08:35	8.6	Surface	1.0	0.3	302	23.3	23.3	7.8	7.8	26.4	26.4	92.8	92.9	6.8	6.8	6.9	1.1	1.1	2	3	822232	809840						
						1.0	0.3	300	23.3		7.8	7.8	26.5	26.4	93.0	92.9	6.8	6.8		1.1		3									
					Middle	4.3	0.4	283	23.3	23.3	7.8	7.8	26.5	26.5	94.2	94.4	6.9	6.9	7.0	1.1	1.1	4				3	3	3	3	3	
						4.3	0.4	289	23.3		7.8	7.8	26.5	26.5	94.5	94.4	6.9	6.9		1.1		3									
					Bottom	7.6	0.4	281	23.3	23.4	7.8	7.8	26.5	26.5	95.2	95.2	7.0	7.0	6.8	1.3	1.2	4				3	3	3	3	3	3
						7.6	0.4	282	23.4		7.8	7.8	26.5	26.5	95.2	95.2	7.0	7.0		1.2		2									
IM11	Misty	Moderate	08:28	7.6	Surface	1.0	0.4	293	23.3	23.3	7.8	7.8	26.2	26.2	92.6	92.6	6.8	6.8	6.8	1.1	1.2	5	3	821514	810530						
						1.0	0.4	285	23.3		7.8	7.8	26.3	26.2	92.6	92.6	6.8	6.8		1.1		5									
					Middle	3.8	0.4	281	23.3	23.3	7.8	7.8	26.3	26.3	92.7	92.7	6.8	6.8	6.8	1.2	1.2	3				3	3	3	3	3	
						3.8	0.3	287	23.3		7.8	7.8	26.3	26.3	92.6	92.6	6.8	6.8		1.2		2									
					Bottom	6.6	0.4	287	23.3	23.3	7.8	7.8	26.3	26.3	92.3	92.2	6.8	6.8	6.8	1.2	1.2	<2				3	3	3	3	3	3
						6.6	0.4	287	23.3		7.8	7.8	26.3	26.3	92.1	92.2	6.8	6.8		1.2		<2									
IM12	Misty	Moderate	08:24	7.4	Surface	1.0	0.4	286	23.3	23.3	7.8	7.8	26.4	26.4	89.7	89.7	6.6	6.6	6.6	1.2	2.6	2	3	821158	811517						
						1.0	0.4	288	23.3		7.8	7.8	26.4	26.4	89.6	89.6	6.6	6.6		1.2		3									
					Middle	3.7	0.4	297	23.3	23.3	7.8	7.8	26.5	26.5	89.6	89.6	6.6	6.6	6.6	2.2	2.6	2				3	3	3	3	3	
						3.7	0.4	296	23.3		7.8	7.8	26.5	26.5	89.6	89.6	6.6	6.6		2.2		3									
					Bottom	6.4	0.5	267	23.3	23.4	7.8	7.8	26.4	26.4	89.5	89.5	6.6	6.6	6.6	4.3	2.6	3				3	3	3	3	3	3
						6.4	0.5	268	23.5		7.8	7.8	26.3	26.4	89.5	89.5	6.5	6.6		4.3		3									
SR1A	Misty	Rough	08:06	4.4	Surface	1.0	0.0	214	23.6	23.7	7.8	7.8	26.1	26.1	89.2	89.0	6.5	6.5	6.5	1.2	1.3	3	3	819971	812660						
						1.0	0.0	207	23.7		7.8	7.8	26.1	26.1	88.8	88.8	6.5	6.5		1.2		4									
					Middle	2.2	0.0	196	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-
						2.2	0.0	189	-		-	-	-	-	-	-	-	-		-		-									
					Bottom	3.4	-	205	24.1	24.1	7.8	7.8	25.9	25.9	87.8	87.7	6.4	6.4	6.4	1.3	1.3	3				3	3	3	3	3	3
						3.4	0.1	198	24.1		7.8	7.8	25.8	25.9	87.6	87.7	6.4	6.4		1.3		2									
SR2	Misty	Rough	07:51	4.6	Surface	1.0	0.1	234	23.5	23.6	7.8	7.8	25.6	25.6	91.5	91.5	6.7	6.7	6.7	1.0	1.5	3	3	821440	814172						
						1.0	0.1	237	23.6		7.8	7.8	25.6	25.6	91.4	91.5	6.7	6.7		1.0		4									
					Middle	-	0.1	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-
						-	0.1	226	-		-	-	-	-	-	-	-	-		-		-									
					Bottom	3.6	0.1	238	23.8	23.8	7.8	7.8	25.5	25.3	90.6	90.4	6.6	6.6	6.6	2.0	1.5	2				3	3	3	3	3	3
						3.6	0.0	231	23.8		7.8	7.8	25.2	25.3	90.1	90.4	6.6	6.6		2.0		3									
SR3	Foggy	Moderate	07:48	9.2	Surface	1.0	0.3	354	24.3	24.3	8.2	8.2	28.1	28.2	93.6	93.7	6.7	6.7	6.7	4.0	6.2	2	3	822131	807593						
						1.0	0.3	0	24.2		8.2	8.2	28.3	28.2	93.8	93.7	6.7	6.7		4.6		3									
					Middle	4.6	0.4	343	24.1	24.1	8.2	8.2	29.4	29.4	94.2	94.2	6.7	6.7	6.6	7.4	6.2	3				3	3	3	3		
						4.6	0.4	347	24.1		8.2	8.2	29.4	29.4	94.2	94.2	6.7	6.7		7.4		2									
					Bottom	8.2	0.3	354	24.1	24.1	8.2	8.2	29.3	29.3	93.5	93.4	6.6	6.6	6.6	7.1	6.2	3				3	3	3	3	3	
						8.2	0.3	1	24.1		8.2	8.2	29.2	29.3	93.3	93.4	6.6	6.6		6.8		3									
SR4A	Foggy	Moderate	06:07	8.5	Surface	1.0	0.0	231	24.1	24.1	8.2	8.2	30.0	30.0	97.3	97.3	6.9	6.9	6.9	7.6	8.0	2	3	817211	807792						
						1.0	0.0	234	24.1		8.2	8.2	30.0	30.0	97.2	97.3	6.9	6.9		7.5		3									
					Middle	4.3	-	209	24.1	24.1	8.2	8.2	30.0	30.0	97.0	97.0	6.9	6.9	6.9	8.0	8.0	3				3	3	3	3		
						4.3	0.0	203	24.1		8.2	8.2	30.0	30.0	97.0	97.0	6.9	6.9		8.1		3									
					Bottom	7.5	0.1	241	24.1	24.1	8.2	8.2	30.0	30.0	96.9	96.9	6.9	6.9	6.9	8.3	8.0	<2				3	3	3	3	3	
						7.5	0.1	241	24.1		8.2	8.2	30.0	30.0	96.9	96.9	6.9	6.9		8.4		<2									
SR8	Misty	Moderate	08:21	5.8	Surface	1.0	-	-	23.3	23.3	7.8	7.8	26.2	26.2	92.5	92.5	6.8	6.8	6.8	1.1	1.2	4	3	820393	811632						
						1.0	-	-	23.3		7.8	7.8	26.2	26.2	92.5	92.5	6.8	6.8		1.1		3									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-		-		-									
					Bottom	4.8	-	-	23.3	23.3	7.8	7.8	26.3	26.3	92.7	92.7	6.8	6.8	6.8	1.3	1.2	3				3	3	3	3	3	
						4.8	-	-	23.3		7.8	7.8	26.3	26.3	92.7	92.7	6.8	6.8		1.3		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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 22 April 23 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	DA					
C1	Cloudy	Rough	15:27	8.6	Surface	1.0	0.6	220	24.1	24.1	8.2	8.2	31.1	31.1	97.3	97.2	6.9	6.8	5.1	5.3	7	7	815616	804234							
						1.0	0.6	226	24.0	24.1	8.2	8.2	31.2	31.1	97.0	97.2	6.8		5.1												
					Middle	4.3	0.6	212	23.8	23.8	8.2	8.2	31.7	31.7	95.3	95.3	6.7	6.7	5.5	7											
						4.3	0.6	210	23.8	23.8	8.2	8.2	31.7	31.7	95.2	95.3	6.7		5.3												
					Bottom	7.6	0.6	187	23.9	24.0	8.2	8.2	31.6	31.5	95.0	95.1	6.7	6.7	5.7	8											
						7.6	0.6	185	24.0	24.0	8.2	8.2	31.5	31.5	95.2	95.1	6.7		5.5	8											
					C2	Cloudy	Rough	13:45	11.8	Surface	1.0	0.5	171	24.2	24.2	8.1	8.1	28.6	28.6	92.5	92.5	6.6			6.6	3.0	3.5	4	5	825705	806947
											1.0	0.6	178	24.2	24.2	8.1	8.1	28.6	28.6	92.5	92.5	6.6				2.9		4			
Middle	5.9	0.6	174	24.2						24.2	8.1	8.1	28.6	28.6	92.2	92.2	6.6	6.6	3.1	5											
	5.9	0.6	171	24.2						24.2	8.1	8.1	28.6	28.6	92.1	92.2	6.6		3.2	4											
Bottom	10.8	0.5	150	24.1						24.2	8.1	8.1	28.8	28.8	92.4	92.5	6.6	6.6	4.4	5											
	10.8	0.5	155	24.2						24.2	8.1	8.1	28.8	28.8	92.6	92.5	6.6		4.3	5											
C3	Misty	Rough	14:46	9.6						Surface	1.0	0.5	71	23.3	23.3	7.9	7.9	28.1	28.1	94.4	94.6	6.9	7.0	1.0	1.3	2	3	822110	817811		
											1.0	0.5	71	23.3	23.3	7.9	7.9	28.1	28.1	94.8	94.6	6.9		1.1		2					
					Middle	4.8	0.4	65	23.2	23.2	7.9	7.9	28.1	28.1	95.6	95.8	7.0	7.0	1.5	3											
						4.8	0.5	70	23.1	23.2	7.9	7.9	28.2	28.2	95.9	95.8	7.0		1.5	3											
					Bottom	8.6	0.5	78	23.0	23.0	7.9	7.9	28.2	28.2	96.3	96.4	7.0	7.0	1.6	3											
						8.6	0.4	72	23.0	23.0	7.9	7.9	28.2	28.2	96.4	96.4	7.0		1.5	3											
					IM1	Cloudy	Rough	15:01	6.6	Surface	1.0	0.5	191	23.9	23.9	8.2	8.2	31.2	31.2	96.1	96.1	6.8	6.8	6.2	6.6	7	7			818367	806479
											1.0	0.5	187	23.8	23.9	8.2	8.2	31.2	31.2	96.0	96.1	6.8		6.2		8					
Middle	3.3	0.4	181	23.8						23.8	8.2	8.2	31.3	31.3	95.6	95.6	6.8	6.8	6.8	6											
	3.3	0.4	182	23.8						23.8	8.2	8.2	31.3	31.3	95.5	95.6	6.8		7.0	7											
Bottom	5.6	0.5	197	23.8						23.8	8.2	8.2	31.3	31.3	95.4	95.5	6.7	6.7	6.8	7											
	5.6	0.5	197	23.8						23.8	8.2	8.2	31.3	31.3	95.5	95.5	6.7		6.6	6											
IM2	Cloudy	Rough	14:56	7.0						Surface	1.0	0.6	204	24.0	24.0	8.2	8.2	30.9	30.9	95.7	95.7	6.8	6.8	6.0	7.2	6	8	819198	806233		
											1.0	0.6	198	24.0	24.0	8.2	8.2	30.9	30.9	95.7	95.7	6.8		6.1		7					
					Middle	3.5	0.5	210	23.9	23.9	8.2	8.2	31.1	31.1	95.4	95.4	6.7	6.7	6.9	7											
						3.5	0.5	207	23.9	23.9	8.2	8.2	31.1	31.1	95.4	95.4	6.7		7.3	8											
					Bottom	6.0	0.5	203	23.7	23.7	8.2	8.2	31.6	31.5	95.3	95.4	6.7	6.7	8.6	9											
						6.0	0.5	208	23.7	23.7	8.2	8.2	31.5	31.5	95.4	95.4	6.7		8.3	8											
					IM7	Cloudy	Rough	14:20	7.8	Surface	1.0	0.3	177	24.2	24.2	8.1	8.1	28.7	28.7	94.9	95.0	6.8	6.8	3.4	5.3	5	5			821362	806823
											1.0	0.3	169	24.2	24.2	8.1	8.1	28.7	28.7	95.0	95.0	6.8		3.5		4					
Middle	3.9	0.4	167	24.0						24.0	8.2	8.2	29.5	29.6	95.1	95.1	6.8	6.8	5.7	6											
	3.9	0.4	172	24.0						24.0	8.2	8.2	29.6	29.6	95.1	95.1	6.8		5.9	5											
Bottom	6.8	0.3	139	23.9						24.0	8.2	8.2	30.1	30.1	95.5	95.6	6.8	6.8	6.7	6											
	6.8	0.3	133	24.0						24.0	8.2	8.2	30.0	30.1	95.7	95.6	6.8		6.4	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 22 April 23 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	DA						
IM10	Misty	Rough	13:20	9.0	Surface	1.0	0.5	98	23.1	23.1	7.9	7.9	26.5	26.6	92.4	92.5	6.8	6.8	1.3	1.3	4	3	822220	809845								
						1.0	0.4	103	23.1	23.1	7.9	7.9	26.6	26.6	92.5	92.5	6.8	6.8	1.3	1.3	3											
					Middle	4.5	0.5	80	23.1	23.1	7.9	7.9	26.7	26.7	92.6	92.7	6.8	6.8	2.4	2.4	3				3							
						4.5	0.6	87	23.1	23.1	7.9	7.9	26.7	26.7	92.7	92.7	6.8	6.8	2.4	2.4	4				4							
					Bottom	8.0	0.5	114	23.1	23.1	7.9	7.9	26.8	26.7	92.9	92.9	6.8	6.8	3.6	3.6	2				2	2						
						8.0	0.5	114	23.1	23.1	7.9	7.9	26.6	26.7	92.9	92.9	6.8	6.8	3.6	3.6	3				3	3						
					IM11	Misty	Rough	13:50	7.8	Surface	1.0	0.6	93	23.1	23.1	7.9	7.9	26.8	26.8	93.2	93.2				6.8	6.8	1.3	1.3	3	3	821510	810535
											1.0	0.7	97	23.1	23.1	7.9	7.9	26.8	26.8	93.1	93.2				6.8	6.8	1.3	1.3	2			
Middle	3.9	0.7	90	23.2						23.2	7.9	7.9	27.0	27.0	92.7	92.6	6.8	6.8	2.7	2.7	3	3										
	3.9	0.7	91	23.2						23.2	7.9	7.9	27.1	27.0	92.4	92.6	6.8	6.8	2.6	2.6	3	3										
Bottom	6.8	0.7	87	23.4						23.5	7.9	7.9	27.0	26.9	92.0	92.2	6.7	6.7	3.0	3.0	4	4										
	6.8	0.7	92	23.5						23.5	7.9	7.9	26.8	26.9	92.4	92.2	6.7	6.7	3.1	3.1	4	4										
IM12	Misty	Rough	13:57	6.8						Surface	1.0	0.7	109	23.1	23.1	7.9	7.9	26.8	26.9	91.9	91.9	6.7	6.7	1.2	1.2	3	4	821167	811513			
											1.0	0.6	114	23.1	23.1	7.9	7.9	27.0	26.9	91.9	91.9	6.7	6.7	1.2	1.2	2						
					Middle	3.4	0.7	84	23.1	23.1	7.9	7.9	27.2	27.3	92.1	92.2	6.7	6.7	1.4	1.4	4	4										
						3.4	0.7	82	23.1	23.1	7.9	7.9	27.3	27.3	92.3	92.2	6.8	6.8	1.4	1.4	3	3										
					Bottom	5.8	0.7	118	23.2	23.3	7.8	7.8	27.2	27.2	94.0	94.2	6.9	6.9	1.6	1.6	5	5										
						5.8	0.6	121	23.3	23.3	7.8	7.8	27.2	27.2	94.4	94.2	6.9	6.9	1.5	1.5	6	6										
					SR1A	Misty	Rough	14:09	5.0	Surface	1.0	0.0	38	23.1	23.1	7.9	7.9	27.1	27.2	89.6	89.6	6.6	6.6	1.4	1.4	2				3	819976	812659
											1.0	0.0	33	23.1	23.1	7.9	7.9	27.2	27.2	89.5	89.6	6.6	6.6	1.4	1.4	3						
Middle	2.5	0.1	20	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	2.5	0.1	12	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Bottom	4.0	0.0	34	23.0						23.0	7.9	7.9	27.5	27.5	89.4	89.5	6.5	6.5	1.9	1.9	3	3										
	4.0	0.0	33	23.0						23.0	7.9	7.9	27.5	27.5	89.5	89.5	6.6	6.6	1.9	1.9	3	3										
SR2	Misty	Rough	14:27	5.6						Surface	1.0	0.6	39	23.1	23.1	7.9	7.9	27.4	27.4	93.9	94.1	6.9	6.9	1.1	1.1	2	3	821484	814185			
											1.0	0.6	38	23.1	23.1	7.9	7.9	27.4	27.4	94.2	94.2	6.9	6.9	1.1	1.1	2						
					Middle	-	0.6	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	0.5	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.6	0.5	57	23.1	23.1	7.9	7.9	27.4	27.4	94.7	94.9	6.9	7.0	1.4	1.4	3	3										
						4.6	0.6	62	23.1	23.1	7.9	7.9	27.4	27.4	95.1	94.9	7.0	7.0	1.4	1.4	4	4										
					SR3	Cloudy	Rough	14:14	9.1	Surface	1.0	0.5	172	24.2	24.2	8.1	8.1	28.4	28.4	94.0	94.0	6.7	6.7	8.8	8.8	3				3	822150	807551
											1.0	0.6	169	24.2	24.2	8.1	8.1	28.4	28.4	94.0	94.0	6.7	6.7	8.9	8.9	3						
Middle	4.6	0.5	156	24.0						24.0	8.1	8.1	29.4	29.5	94.6	94.6	6.7	6.7	7.1	7.1	3	3										
	4.6	0.6	149	24.0						24.0	8.1	8.1	29.6	29.6	94.6	94.6	6.7	6.7	7.1	7.1	3	3										
Bottom	8.1	0.6	180	24.0						24.1	8.1	8.1	29.6	29.5	94.9	95.0	6.7	6.8	6.8	6.8	3	3										
	8.1	0.6	182	24.1						24.1	8.1	8.1	29.5	29.5	95.0	95.0	6.8	6.8	6.5	6.5	4	4										
SR4A	Cloudy	Rough	16:01	9.1						Surface	1.0	0.1	351	24.2	24.2	8.2	8.2	31.1	31.1	96.8	96.8	6.8	6.8	7.1	7.1	9	9	817184	807831			
											1.0	0.0	351	24.1	24.2	8.2	8.2	31.1	31.1	96.7	96.8	6.8	6.8	7.2	7.2	8						
					Middle	4.6	0.0	8	24.0	24.0	8.2	8.2	31.3	31.3	96.3	96.4	6.8	6.8	8.0	8.0	9	9										
						4.6	0.1	8	23.9	23.9	8.2	8.2	31.3	31.3	96.4	96.4	6.8	6.8	8.0	8.0	9	9										
					Bottom	8.1	0.0	20	23.9	23.9	8.2	8.2	31.3	31.3	96.9	97.0	6.8	6.8	7.8	7.8	9	9										
						8.1	0.0	19	23.9	23.9	8.2	8.2	31.3	31.3	97.1	97.0	6.8	6.8	7.7	7.7	10	10										
					SR8	Misty	Rough	14:01	4.4	Surface	1.0	-	-	23.3	23.3	7.8	7.8	27.1	27.1	94.3	94.5	6.9	6.9	1.2	1.2	2				3	820402	811627
											1.0	-	-	23.3	23.3	7.8	7.8	27.1	27.1	94.7	94.5	6.9	6.9	1.1	1.1	3						
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Bottom	3.4	-	-	23.5						23.5	7.8	7.8	26.9	26.8	95.6	95.8	7.0	7.0	2.0	2.0	2	2										
	3.4	-	-	23.5						23.5	7.8	7.8	26.8	26.8	95.9	95.8	7.0	7.0	2.0	2.0	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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 22 April 23 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	Value	DA		
C1	Cloudy	Rough	07:10	8.3	Surface	1.0	0.2	17	23.8	23.8	8.1	8.1	31.4	31.4	92.3	92.2	6.6	6.6	5.2	6.9	9	9	815615	804228
						1.0	0.2	10	23.8	8.1	8.1	31.4	31.4	92.1	92.2	6.6	6.6	5.3	6.9	8				
					Middle	4.2	0.2	45	23.8	23.8	8.1	8.1	31.6	31.6	91.4	91.4	6.5	6.5	6.1	6.9	8			
						4.2	0.2	47	23.8	23.8	8.1	8.1	31.6	31.6	91.4	91.4	6.5	6.5	6.0	6.9	9			
					Bottom	7.3	0.2	35	23.8	23.8	8.1	8.1	31.8	31.8	81.5	81.4	5.8	5.8	9.0	6.9	9			
						7.3	0.3	41	23.8	23.8	8.1	8.1	31.8	31.8	81.2	81.4	5.8	5.8	9.6	6.9	10			
C2	Cloudy	Rough	09:17	12.3	Surface	1.0	0.5	340	24.2	24.2	8.1	8.1	28.6	28.6	93.3	93.3	6.6	6.6	3.0	3.1	4	4	825687	806958
						1.0	0.5	332	24.2	24.2	8.1	8.1	28.6	28.6	93.3	93.3	6.6	6.6	3.0	3.1	4			
					Middle	6.2	0.5	353	24.2	24.2	8.1	8.1	28.7	28.7	94.7	94.7	6.8	6.8	3.1	3.1	4			
						6.2	0.4	0	24.2	24.2	8.1	8.1	28.7	28.7	94.7	94.7	6.8	6.8	3.2	3.1	4			
					Bottom	11.3	0.5	351	24.2	24.2	8.1	8.1	28.6	28.6	95.3	95.4	6.8	6.8	3.2	3.1	4			
						11.3	0.5	346	24.2	24.2	8.1	8.1	28.6	28.6	95.4	95.4	6.8	6.8	3.3	3.1	4			
C3	Misty	Rough	07:55	12.8	Surface	1.0	0.5	248	22.8	22.8	7.9	7.9	27.4	27.4	89.7	89.7	6.6	6.6	1.1	2.1	4	4	822118	817796
						1.0	0.6	250	22.8	22.8	7.9	7.9	27.4	27.4	89.7	89.7	6.6	6.6	1.1	2.1	3			
					Middle	6.4	0.5	251	22.8	22.8	7.9	7.9	26.9	26.8	89.6	89.6	6.6	6.6	2.0	2.1	4			
						6.4	0.5	248	22.8	22.8	7.9	7.9	26.7	26.8	89.6	89.6	6.6	6.6	2.1	2.1	4			
					Bottom	11.8	0.5	236	22.8	22.9	7.8	7.8	25.9	25.8	89.7	89.7	6.7	6.7	3.0	3.0	4			
						11.8	0.5	229	22.9	22.9	7.8	7.8	25.7	25.8	89.7	89.7	6.6	6.6	3.0	3.0	5			
IM1	Cloudy	Rough	07:35	6.4	Surface	1.0	0.2	11	23.8	23.8	8.1	8.1	30.2	30.3	94.8	94.8	6.8	6.8	3.8	4.4	10	9	818353	806437
						1.0	0.2	12	23.8	23.8	8.1	8.1	30.3	30.3	94.7	94.7	6.8	6.8	3.9	4.4	10			
					Middle	3.2	0.2	26	23.7	23.7	8.1	8.1	30.9	30.9	93.7	93.7	6.7	6.7	4.8	4.4	9			
						3.2	0.2	23	23.7	23.7	8.1	8.1	30.9	30.9	93.7	93.7	6.7	6.7	4.9	4.4	10			
					Bottom	5.4	0.2	8	23.7	23.7	8.1	8.1	31.0	30.9	93.1	93.1	6.6	6.6	4.8	4.4	8			
						5.4	0.2	14	23.7	23.7	8.1	8.1	30.9	30.9	93.0	93.1	6.6	6.6	4.6	4.4	9			
IM2	Cloudy	Rough	07:40	6.9	Surface	1.0	0.1	3	23.8	23.8	8.1	8.1	30.2	30.2	95.5	95.5	6.8	6.8	3.2	3.6	8	7	819161	806253
						1.0	0.1	3	23.8	23.8	8.1	8.1	30.2	30.2	95.4	95.5	6.8	6.8	3.4	3.6	8			
					Middle	3.5	0.2	348	23.8	23.8	8.1	8.1	30.6	30.6	94.8	94.8	6.8	6.8	3.8	3.6	7			
						3.5	0.2	353	23.8	23.8	8.1	8.1	30.6	30.6	94.8	94.8	6.8	6.8	3.7	3.6	8			
					Bottom	5.9	0.2	20	23.8	23.8	8.1	8.1	30.6	30.6	94.3	94.3	6.7	6.7	3.9	3.6	6			
						5.9	0.2	20	23.8	23.8	8.1	8.1	30.6	30.6	94.3	94.3	6.7	6.7	3.9	3.6	5			
IM7	Cloudy	Rough	08:15	7.8	Surface	1.0	0.2	344	24.0	24.0	8.1	8.1	29.4	29.5	88.9	88.9	6.4	6.4	3.1	7.0	4	5	821345	806857
						1.0	0.2	342	23.9	23.9	8.1	8.1	29.5	29.5	88.9	88.9	6.4	6.4	3.3	7.0	4			
					Middle	3.9	0.2	345	23.9	23.9	8.1	8.1	30.3	30.3	89.1	89.1	6.4	6.4	8.3	7.0	5			
						3.9	0.2	342	23.9	23.9	8.1	8.1	30.3	30.3	89.1	89.1	6.4	6.4	8.5	7.0	4			
					Bottom	6.8	0.2	328	23.8	23.8	8.1	8.1	30.4	30.4	89.0	89.0	6.4	6.4	9.6	7.0	5			
						6.8	0.2	328	23.8	23.8	8.1	8.1	30.4	30.4	89.0	89.0	6.4	6.4	9.6	7.0	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 22 April 23 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	Misty	Rough	09:04	8.6	Surface	1.0	0.3	280	23.0	23.0	7.9	7.9	26.9	27.0	91.8	91.8	6.7	6.8	1.3	6.8	6	5	822225	809825				
						1.0	0.4	275	23.0	23.0	7.9	7.9	27.1	27.0	91.7	91.8	6.7	6.8	1.3	6.8	8							
					Middle	4.3	0.3	300	22.9	23.0	7.9	7.9	27.5	27.5	92.3	92.5	6.8	6.8	2.4	6.8	2.5				6.8	4		
						4.3	0.4	294	23.0	23.0	7.9	7.9	27.6	27.5	92.7	92.5	6.8	6.8	2.5	6.8	2.5				6.8	5		
					Bottom	7.6	0.4	301	23.2	23.3	7.9	7.9	27.5	27.4	93.5	93.7	6.8	6.8	4.0	6.8	4.0				6.8	3		
						7.6	0.4	305	23.3	23.3	7.9	7.9	27.4	27.4	93.8	93.7	6.8	6.8	4.0	6.8	4.0				6.8	4		
IM11	Misty	Rough	08:57	7.6	Surface	1.0	0.5	275	23.1	23.1	7.9	7.9	27.0	27.0	91.8	91.9	6.7	6.8	1.1	6.8	<2	3	821498	810555				
						1.0	0.4	282	23.1	23.1	7.9	7.9	27.1	27.0	91.9	91.9	6.7	6.8	1.1	6.8	<2							
					Middle	3.8	0.5	278	23.2	23.2	7.9	7.9	27.2	27.2	92.4	92.5	6.8	6.8	1.2	6.8	1.2				6.8	3		
						3.8	0.5	273	23.2	23.2	7.9	7.9	27.1	27.2	92.6	92.5	6.8	6.8	1.2	6.8	1.2				6.8	4		
					Bottom	6.6	0.5	279	23.4	23.5	7.9	7.9	27.0	27.0	93.3	93.5	6.8	6.8	1.7	6.8	1.7				6.8	4		
						6.6	0.5	279	23.5	23.5	7.9	7.9	26.9	27.0	93.6	93.5	6.8	6.8	1.8	6.8	1.8				6.8	3		
IM12	Misty	Rough	08:51	7.4	Surface	1.0	0.5	271	23.1	23.1	7.9	7.9	27.4	27.4	92.0	92.1	6.7	6.8	1.1	6.8	3	4	821143	811517				
						1.0	0.6	264	23.1	23.1	7.9	7.9	27.4	27.4	92.1	92.1	6.7	6.8	1.1	6.8	4							
					Middle	3.7	0.5	273	23.2	23.3	7.9	7.9	27.3	27.3	92.7	92.9	6.8	6.8	1.3	6.8	1.3				6.8	3		
						3.7	0.5	268	23.3	23.3	7.9	7.9	27.2	27.3	93.0	92.9	6.8	6.8	1.2	6.8	1.2				6.8	4		
					Bottom	6.4	0.5	266	23.5	23.6	7.9	7.9	27.1	27.1	93.6	93.7	6.8	6.8	2.9	6.8	2.9				6.8	4		
						6.4	0.5	271	23.6	23.6	7.9	7.9	27.0	27.1	93.7	93.7	6.8	6.8	2.9	6.8	2.9				6.8	6		
SR1A	Misty	Moderate	08:31	4.4	Surface	1.0	0.0	211	23.2	23.3	7.9	7.9	26.8	26.8	92.9	93.0	6.8	6.8	1.7	6.8	6	5	819975	812655				
						1.0	0.0	210	23.3	23.3	7.9	7.9	26.8	26.8	93.1	93.0	6.8	6.8	1.7	6.8	6							
					Middle	2.2	0.0	198	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.1	-
						2.2	0.0	193	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.1	-
					Bottom	3.4	0.0	197	23.5	23.6	7.8	7.8	26.8	26.8	93.7	93.8	6.8	6.8	2.6	6.8	2.6				6.8	5		
						3.4	0.0	198	23.6	23.6	7.8	7.8	26.7	26.8	93.8	93.8	6.8	6.8	2.5	6.8	2.5				6.8	4		
SR2	Misty	Rough	08:18	4.0	Surface	1.0	0.1	232	23.0	23.0	7.8	7.8	19.9	19.5	91.9	92.0	7.0	7.1	1.9	7.1	5	3	821473	814170				
						1.0	0.1	227	23.0	23.0	7.8	7.8	19.2	19.5	92.0	92.0	7.1	7.1	1.9	7.1	4							
					Middle	-	0.1	206	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.0	-
						-	0.0	199	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.0	-
					Bottom	3.0	0.1	243	23.0	23.0	7.7	7.7	15.8	15.0	95.5	95.7	7.5	7.6	2.1	7.6	2.1				7.6	2		
						3.0	0.1	237	23.0	23.0	7.7	7.7	14.2	15.0	95.8	95.7	7.6	7.6	2.1	7.6	2.1				7.6	2		
SR3	Cloudy	Rough	08:47	8.4	Surface	1.0	0.3	330	24.2	24.2	8.1	8.1	28.4	28.4	92.4	92.4	6.6	6.6	2.9	6.6	4	5	822155	807577				
						1.0	0.4	327	24.2	24.2	8.1	8.1	28.4	28.4	92.4	92.4	6.6	6.6	3.0	6.6	3.0				6.6	4		
					Middle	4.2	0.4	351	24.1	24.1	8.1	8.1	28.9	28.9	91.3	91.3	6.5	6.5	4.7	6.5	4.7				6.5	4		
						4.2	0.4	356	24.0	24.1	8.1	8.1	29.0	28.9	91.3	91.3	6.5	6.5	4.7	6.5	4.7				6.5	4		
					Bottom	7.4	0.3	326	24.0	24.0	8.1	8.1	29.1	29.1	91.2	91.2	6.5	6.5	5.4	6.5	5.4				6.5	5		
						7.4	0.3	322	24.0	24.0	8.1	8.1	29.1	29.1	91.2	91.2	6.5	6.5	5.3	6.5	5.3				6.5	6		
SR4A	Cloudy	Moderate	06:42	9.5	Surface	1.0	0.0	194	23.9	23.9	8.1	8.1	31.2	31.2	91.9	91.9	6.5	6.5	6.2	6.5	15	14	817184	807815				
						1.0	0.0	188	23.9	23.9	8.1	8.1	31.2	31.2	91.8	91.9	6.5	6.5	6.2	6.5	14							
					Middle	4.8	0.0	182	23.9	23.9	8.1	8.1	31.2	31.2	91.6	91.6	6.5	6.5	6.7	6.5	6.7				6.5	14		
						4.8	0.0	185	23.9	23.9	8.1	8.1	31.2	31.2	91.6	91.6	6.5	6.5	6.7	6.5	6.7				6.5	13		
					Bottom	8.5	0.0	167	23.9	23.9	8.1	8.1	31.3	31.3	91.5	91.5	6.5	6.5	7.0	6.5	7.0				6.5	13		
						8.5	0.1	173	23.9	23.9	8.1	8.1	31.3	31.3	91.5	91.5	6.5	6.5	7.0	6.5	7.0				6.5	14		
SR8	Misty	Moderate	08:47	4.6	Surface	1.0	-	-	23.1	23.1	7.9	7.9	27.3	27.3	93.4	93.5	6.8	6.8	2.0	6.8	8	6	820393	811621				
						1.0	-	-	23.1	23.1	7.9	7.9	27.3	27.3	93.5	93.5	6.8	6.8	2.0	6.8	7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.5	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.5	-
					Bottom	3.6	-	-	23.1	23.1	7.9	7.9	27.4	27.4	94.0	94.1	6.9	6.9	3.0	6.9	3.0				6.9	4		
						3.6	-	-	23.1	23.1	7.9	7.9	27.4	27.4	94.1	94.1	6.9	6.9	3.0	6.9	3.0				6.9	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 25 April 23 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					
C1	Foggy	Moderate	16:12	8.3	Surface	1.0	0.6	209	23.8	23.8	8.2	8.2	28.4	28.5	91.8	91.7	6.6	6.5	6.3	8.9	3	3	815640	804230	
						1.0	0.5	205	23.7	8.2	28.5	91.5	6.6												
					Middle	4.2	0.5	199	23.7	8.2	8.2	33.6	33.6	91.0	91.0	6.4	6.4								6.3
						4.2	0.6	203	23.7	8.2	33.6	91.0	6.4												
					Bottom	7.3	0.5	233	23.7	8.2	8.2	33.6	33.6	91.6	91.7	6.4	6.4								10.6
						7.3	0.5	235	23.7	8.2	33.6	91.7	6.4	6.4	10.6										
C2	Foggy	Moderate	14:44	11.8	Surface	1.0	0.2	178	24.3	24.3	8.1	8.1	24.7	24.7	92.2	92.2	6.7	6.7	1.9	3.8	<2	2	825697	806928	
						1.0	0.3	172	24.3	8.1	24.7	92.1	6.7												
					Middle	5.9	0.3	187	24.3	8.1	8.1	27.7	27.7	92.0	92.1	6.6	6.6								2.1
						5.9	0.3	194	24.3	8.1	27.8	92.1	6.6												
					Bottom	10.8	0.3	171	24.2	8.1	8.1	28.0	28.0	92.6	92.7	6.6	6.6								7.4
						10.8	0.3	170	24.2	8.1	28.0	92.7	6.6	6.6	7.6										
C3	Rainy	Moderate	15:37	9.6	Surface	1.0	0.5	85	23.1	23.1	7.9	7.9	23.7	24.0	89.3	89.3	6.7	6.6	1.1	1.2	4	822085	817814		
						1.0	0.5	82	23.1	7.9	24.3	89.2	6.6												
					Middle	4.8	0.6	70	23.1	7.9	7.9	28.1	28.1	89.3	89.4	6.5	6.5							1.2	
						4.8	0.6	69	23.1	7.9	28.1	89.5	6.5												
					Bottom	8.6	0.5	101	23.1	7.9	7.9	28.4	28.4	90.5	90.9	6.6	6.6							1.3	
						8.6	0.5	105	23.1	7.9	28.3	91.2	6.6	6.6	1.3										
IM1	Foggy	Moderate	15:50	6.6	Surface	1.0	0.3	194	23.9	23.9	8.2	8.2	28.4	28.4	96.4	96.3	6.9	6.7	5.8	7.4	3	818370	806467		
						1.0	0.3	191	23.9	8.2	28.4	96.2	6.9												
					Middle	3.3	0.3	183	23.8	8.2	8.2	33.1	33.1	93.3	93.4	6.5	6.5							7.8	
						3.3	0.3	186	23.8	8.2	33.1	93.4	6.5												
					Bottom	5.6	0.3	206	23.8	8.2	8.2	33.1	33.1	94.1	94.2	6.6	6.6							8.8	
						5.6	0.3	207	23.8	8.2	33.1	94.3	6.6	6.6	8.6										
IM2	Foggy	Moderate	15:46	7.8	Surface	1.0	0.3	188	23.8	23.8	8.2	8.2	28.3	28.3	96.2	96.1	6.9	6.7	7.6	9.2	2	819206	806250		
						1.0	0.3	181	23.8	8.2	28.3	95.9	6.9												
					Middle	3.9	0.3	209	23.8	8.2	8.2	33.1	33.1	93.4	93.6	6.5	6.6							9.1	
						3.9	0.2	203	23.8	8.2	33.1	93.8	6.6												
					Bottom	6.8	0.3	175	23.8	8.2	8.2	33.0	33.0	94.5	94.7	6.6	6.6							10.2	
						6.8	0.3	168	23.8	8.2	33.0	94.8	6.6	6.6	10.5										
IM7	Foggy	Moderate	15:10	8.6	Surface	1.0	0.2	125	24.2	24.2	8.1	8.1	24.4	24.4	95.2	95.2	7.0	6.8	1.6	3.0	<2	821341	806839		
						1.0	0.2	119	24.2	8.1	24.4	95.1	6.9												
					Middle	4.3	0.2	133	24.1	8.1	8.1	28.9	28.8	93.0	93.0	6.6	6.6							3.6	
						4.3	0.2	132	24.1	8.1	28.7	93.0	6.6												
					Bottom	7.6	0.2	125	24.1	8.1	8.1	29.7	29.6	92.6	92.7	6.6	6.6							4.0	
						7.6	0.2	119	24.1	8.1	29.6	92.8	6.6	6.6	3.7										

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

**Water Quality Monitoring Results on 25 April 23 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						
IM10	Rainy	Moderate	14:40	9.2	Surface	1.0	0.3	112	23.3	23.3	7.9	7.9	23.0	23.0	92.2	92.1	6.9	6.9	1.1	1.1	5	5	822251	809822				
						1.0	0.3	106	23.3	23.3	7.9	7.9	23.0	23.0	92.0	92.1	6.9	6.9	1.1	1.1	4	4						
					Middle	4.6	0.4	115	23.3	23.3	7.9	7.9	24.9	25.0	91.8	91.9	6.8	6.8	1.6	1.6	4	4						
						4.6	0.4	109	23.3	23.3	7.9	7.9	25.1	25.0	91.9	91.9	6.8	6.8	1.7	1.7	4	4						
					Bottom	8.2	0.4	86	23.3	23.3	7.9	7.9	25.2	24.9	92.9	93.3	6.9	6.9	2.7	2.7	4	4						
						8.2	0.4	89	23.3	23.3	7.9	7.9	24.6	24.9	93.6	93.3	6.9	6.9	2.7	2.7	3	3						
IM11	Rainy	Moderate	14:47	8.0	Surface	1.0	0.5	83	23.3	23.3	7.9	7.9	23.5	23.4	91.3	91.2	6.8	6.8	1.1	1.1	5	5	821483	810542				
						1.0	0.5	89	23.3	23.3	7.9	7.9	23.4	23.4	91.1	91.2	6.8	6.8	1.2	1.2	5	5						
					Middle	4.0	0.4	103	23.3	23.3	7.9	7.9	25.2	25.3	91.1	91.1	6.7	6.7	1.2	1.2	4	4						
						4.0	0.4	104	23.2	23.3	7.9	7.9	25.3	25.3	91.1	91.1	6.7	6.7	1.3	1.3	5	5						
					Bottom	7.0	0.4	69	23.2	23.2	7.9	7.9	27.3	27.3	91.6	91.8	6.7	6.7	1.5	1.5	5	5						
						7.0	0.4	63	23.2	23.2	7.9	7.9	27.3	27.3	91.9	91.8	6.7	6.7	1.5	1.5	4	4						
IM12	Rainy	Moderate	14:52	7.8	Surface	1.0	0.5	104	23.2	23.2	7.9	7.9	24.1	24.1	90.1	90.1	6.7	6.7	1.3	1.3	4	4	821155	811504				
						1.0	0.5	110	23.1	23.2	7.9	7.9	24.1	24.1	90.0	90.1	6.7	6.7	1.2	1.2	4	4						
					Middle	3.9	0.5	103	23.1	23.1	7.9	7.9	28.3	28.3	90.1	90.3	6.6	6.6	1.4	1.4	5	5						
						3.9	0.5	99	23.1	23.1	7.9	7.9	28.3	28.3	90.5	90.3	6.6	6.6	1.5	1.5	4	4						
					Bottom	6.8	0.5	76	23.1	23.1	7.9	7.9	28.3	28.3	91.6	92.0	6.7	6.7	1.8	1.8	6	6						
						6.8	0.5	78	23.1	23.1	7.9	7.9	28.3	28.3	92.3	92.0	6.7	6.7	1.8	1.8	5	5						
SR1A	Rainy	Moderate	15:04	4.6	Surface	1.0	0.0	92	23.3	23.3	7.9	7.9	24.2	24.2	90.6	90.5	6.7	6.7	1.1	1.1	4	4	819978	812657				
						1.0	0.0	97	23.3	23.3	7.9	7.9	24.3	24.2	90.3	90.5	6.7	6.7	1.1	1.1	4	4						
					Middle	2.3	0.1	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						2.3	0.0	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	3.6	0.1	113	23.2	23.2	7.9	7.9	26.6	26.9	90.1	90.1	6.6	6.6	1.3	1.3	4	4						
						3.6	0.0	117	23.2	23.2	7.9	7.9	27.3	26.9	90.0	90.1	6.6	6.6	1.3	1.3	4	4						
SR2	Rainy	Moderate	15:21	4.6	Surface	1.0	0.3	53	23.2	23.2	7.9	7.9	25.3	25.2	91.1	91.1	6.7	6.7	1.0	1.0	3	3	821454	814173				
						1.0	0.3	51	23.2	23.2	7.9	7.9	25.2	25.2	91.1	91.1	6.7	6.7	1.0	1.0	4	4						
					Middle	-	0.4	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.3	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	3.6	0.3	61	23.1	23.1	7.9	7.9	26.8	26.6	91.8	92.2	6.7	6.8	2.2	2.2	4	4						
						3.6	0.3	53	23.1	23.1	7.9	7.9	26.4	26.6	92.6	92.2	6.8	6.8	2.2	2.2	4	4						
SR3	Foggy	Moderate	15:04	8.7	Surface	1.0	0.3	136	24.2	24.2	8.1	8.1	24.8	24.8	94.5	94.4	6.9	6.9	2.6	2.6	<2	<2	822156	807564				
						1.0	0.3	130	24.2	24.2	8.1	8.1	24.9	24.8	94.3	94.4	6.9	6.9	2.7	2.7	<2	<2						
					Middle	4.4	0.3	156	24.2	24.2	8.2	8.2	27.3	27.4	92.8	92.8	6.7	6.7	4.6	4.6	<2	<2						
						4.4	0.3	153	24.2	24.2	8.2	8.2	27.6	27.4	92.7	92.8	6.7	6.7	5.0	5.0	<2	<2						
					Bottom	7.7	0.3	168	24.2	24.2	8.2	8.2	29.5	29.5	92.6	92.6	6.6	6.6	5.9	5.9	2	2						
						7.7	0.3	172	24.2	24.2	8.2	8.2	29.6	29.5	92.6	92.6	6.6	6.6	5.9	5.9	2	2						
SR4A	Foggy	Moderate	16:35	8.6	Surface	1.0	0.0	99	24.1	24.1	8.2	8.2	28.7	28.7	89.9	89.9	6.4	6.4	6.6	6.6	4	4	817181	807799				
						1.0	0.1	93	24.1	24.1	8.2	8.2	28.7	28.7	89.8	89.9	6.4	6.4	6.8	6.8	5	5						
					Middle	4.3	0.0	71	24.1	24.1	8.2	8.2	31.4	31.3	90.2	90.3	6.3	6.3	7.5	7.5	4	4						
						4.3	0.1	65	24.1	24.1	8.2	8.2	31.3	31.3	90.4	90.3	6.4	6.4	7.5	7.5	4	4						
					Bottom	7.6	0.0	78	24.1	24.1	8.2	8.2	31.1	31.1	91.4	91.5	6.4	6.4	7.2	7.2	2	2						
						7.6	0.0	76	24.1	24.1	8.2	8.2	31.1	31.1	91.6	91.5	6.4	6.4	7.0	7.0	4	4						
SR8	Rainy	Moderate	14:56	5.0	Surface	1.0	-	-	23.3	23.3	7.9	7.9	24.4	24.4	92.3	92.2	6.8	6.8	1.1	1.1	5	5	820378	811607				
						1.0	-	-	23.3	23.3	7.9	7.9	24.4	24.4	92.1	92.2	6.8	6.8	1.2	1.2	5	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	4.0	-	-	23.2	23.2	7.9	7.9	26.6	26.3	92.2	92.4	6.8	6.8	2.0	2.0	6	6						
						4.0	-	-	23.2	23.2	7.9	7.9	26.1	26.3	92.6	92.4	6.8	6.8	2.1	2.1	5	5						

DA: Depth-Averaged  
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 Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

**Water Quality Monitoring Results on 25 April 23 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													
C1	Foggy	Moderate	07:59	8.7	Surface	1.0	0.1	47	23.9	23.9	8.2	8.2	29.0	29.0	91.5	91.5	6.5	6.5	10.8	8.2	3	4	815638	804248									
						1.0	0.1	53	23.9	8.2	8.2	29.0	29.0	91.4	91.5	6.5	6.5	10.4	8.2	4													
						4.4	0.2	49	23.8	8.2	8.2	32.9	32.9	91.1	91.1	6.4	6.4	8.3	8.2	4													
						4.4	0.2	48	23.8	8.2	8.2	32.9	32.9	91.1	91.1	6.4	6.4	8.1	8.2	3													
					Bottom	7.7	0.1	17	23.8	8.2	8.2	32.9	32.9	91.2	91.2	6.4	6.4	5.6	6.4	6.4	6.4				5.6	6.4	5	4					
						7.7	0.2	24	23.8	8.2	8.2	32.9	32.9	91.2	91.2	6.4	6.4	6.0	6.4	6.4	6.4				6.0	6.4	4	4					
						C2	Foggy	Moderate	09:19	12.4	Surface	1.0	0.2	333	24.3	24.3	8.1	8.1	25.0	25.0	92.2				92.2	6.7	6.7	1.7	2.0	3	3	825694	806941
												1.0	0.3	326	24.3	8.1	8.1	25.0	25.0	92.1	92.2				6.7	6.7	1.8	2.0	4				
6.2	0.2	338	24.3	8.1	8.1							25.8	25.8	92.1	92.2	6.7	6.7	2.1	2.0	2													
6.2	0.2	343	24.3	8.1	8.1							25.8	25.8	92.3	92.2	6.7	6.7	2.2	2.0	2													
Bottom	11.4	0.3	336	24.3	8.1						8.1	27.1	27.1	94.0	94.1	6.7	6.7	2.2	6.8	6.8	6.8	2.2	6.8	2	<2								
	11.4	0.3	332	24.3	8.1						8.1	27.0	27.1	94.2	94.1	6.8	6.8	2.2	6.8	6.8	6.8	2.2	6.8	2	<2								
	C3	Misty	Calm	08:59	11.8						Surface	1.0	0.3	266	22.9	22.9	7.9	7.9	26.7	26.8	88.0	87.9	6.5	6.5	1.0	1.3	3	4	822107	817825			
												1.0	0.2	269	22.8	7.9	7.9	26.8	26.8	87.8	87.9	6.5	6.5	1.1	1.3	4							
5.9						0.3	274	22.8	7.9	7.9		29.7	29.7	87.9	87.9	6.4	6.4	1.1	1.3	4													
5.9						0.3	271	22.8	7.9	7.9		29.7	29.7	87.9	87.9	6.4	6.4	1.2	1.3	4													
Bottom						10.8	0.3	253	22.7	7.9	7.9	29.8	29.8	88.2	88.3	6.4	6.4	1.7	6.4	6.4	6.4	1.7	6.4	5	4								
						10.8	0.3	246	22.7	7.9	7.9	29.8	29.8	88.3	88.3	6.4	6.4	1.6	6.4	6.4	6.4	1.6	6.4	5	4								
						IM1	Foggy	Moderate	08:20	6.4	Surface	1.0	0.1	19	24.1	24.1	8.2	8.2	28.2	28.2	96.6	96.6	6.9	6.9	3.1	4.9	4				3	818350	806449
												1.0	0.1	17	24.1	8.2	8.2	28.2	28.2	96.6	96.6	6.9	6.9	3.0	4.9	4							
3.2	0.1	16	23.9	8.2	8.2							28.3	28.3	92.6	92.6	6.6	6.6	3.2	4.9	3													
3.2	0.0	20	23.9	8.2	8.2							28.3	28.3	92.5	92.6	6.6	6.6	3.4	4.9	4													
Bottom	5.4	0.1	6	23.9	8.2						8.2	32.4	32.4	92.4	92.5	6.5	6.5	8.1	6.5	6.5	6.5	8.1	6.5	3	4								
	5.4	0.1	9	23.9	8.2						8.2	32.4	32.4	92.6	92.5	6.5	6.5	8.2	6.5	6.5	6.5	8.2	6.5	2	4								
	IM2	Foggy	Moderate	08:24	7.3						Surface	1.0	0.1	17	24.0	24.0	8.2	8.2	28.1	28.1	95.9	95.9	6.9	6.9	3.6	6.4	2	4	819162	806218			
												1.0	0.1	20	24.0	8.2	8.2	28.1	28.1	95.9	95.9	6.9	6.9	3.7	6.4	3							
3.7						0.1	14	24.0	8.2	8.2		29.4	29.3	90.5	90.4	6.5	6.5	5.2	6.4	4													
3.7						0.2	11	24.0	8.2	8.2		29.3	29.3	90.3	90.4	6.4	6.4	5.9	6.4	3													
Bottom						6.3	0.1	10	24.0	8.2	8.2	32.1	32.1	90.0	90.0	6.3	6.3	9.8	6.3	6.3	6.3	9.8	6.3	5	4								
						6.3	0.1	6	24.0	8.2	8.2	32.0	32.1	89.9	90.0	6.3	6.3	10.0	6.3	6.3	6.3	10.0	6.3	4	4								
						IM7	Foggy	Moderate	08:49	8.2	Surface	1.0	0.1	351	24.2	24.2	8.1	8.1	24.1	24.1	96.3	96.3	7.0	7.0	2.6	4.2	5				3	821353	806839
												1.0	0.1	349	24.2	8.1	8.1	24.1	24.1	96.2	96.3	7.0	7.0	2.8	4.2	4							
4.1	0.2	348	24.2	8.1	8.1							29.7	29.7	91.6	91.6	6.5	6.5	5.0	4.2	4													
4.1	0.2	341	24.2	8.1	8.1							29.7	29.7	91.6	91.6	6.5	6.5	5.0	4.2	3													
Bottom	7.2	0.1	323	24.2	8.1						8.1	29.7	29.7	91.7	91.8	6.5	6.5	4.8	6.5	6.5	6.5	4.8	6.5	2	4								
	7.2	0.1	324	24.2	8.1						8.1	29.7	29.7	91.8	91.8	6.5	6.5	4.7	6.5	6.5	6.5	4.7	6.5	2	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 25 April 23 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	Value	DA						
IM10	Misty	Calm	10:05	8.6	Surface	1.0	0.4	284	23.3	23.3	7.9	7.9	24.7	24.4	90.0	90.0	6.7	6.7	1.1	1.1	4	4	822261	809833				
						1.0	0.5	284	23.3	7.9	7.9	24.1	24.4	89.9	90.0	6.7	6.7	1.0	1.0	4	4							
					Middle	4.3	0.4	309	23.3	23.3	7.9	7.9	26.3	26.3	90.4	90.5	6.6	6.6	1.4	1.4	3	3						
						4.3	0.5	308	23.3	23.3	7.9	7.9	26.4	26.3	90.6	90.5	6.6	6.6	1.5	1.5	4	4						
					Bottom	7.6	0.3	277	23.3	23.3	7.9	7.9	26.5	26.4	91.8	92.2	6.7	6.8	2.0	2.0	3	3						
						7.6	0.3	281	23.3	23.3	7.9	7.9	26.3	26.4	92.5	92.2	6.8	6.8	2.0	2.0	4	4						
IM11	Misty	Calm	09:57	8.0	Surface	1.0	0.5	292	23.2	23.2	7.9	7.9	23.9	23.6	90.3	90.2	6.7	6.7	1.1	1.1	4	4	821489	810556				
						1.0	0.5	293	23.2	23.2	7.9	7.9	23.4	23.6	90.0	90.2	6.7	6.7	1.2	1.2	5	5						
					Middle	4.0	0.5	267	23.2	23.2	7.9	7.9	27.0	27.0	89.1	89.1	6.5	6.5	1.4	1.4	4	4						
						4.0	0.5	261	23.2	23.2	7.9	7.9	27.1	27.0	89.0	89.1	6.5	6.5	1.3	1.3	4	4						
					Bottom	7.0	0.4	263	23.2	23.2	7.9	7.9	27.0	26.9	90.1	90.5	6.6	6.7	1.6	1.6	3	3						
						7.0	0.4	258	23.2	23.2	7.9	7.9	26.9	26.9	90.9	90.5	6.7	6.7	1.6	1.6	3	3						
IM12	Misty	Calm	09:49	7.2	Surface	1.0	0.4	272	23.2	23.2	7.9	7.9	24.4	24.2	90.0	89.9	6.7	6.7	1.4	1.4	4	4	821164	811540				
						1.0	0.4	270	23.1	23.2	7.9	7.9	23.9	24.2	89.8	89.9	6.7	6.7	1.6	1.6	5	5						
					Middle	3.6	0.4	286	23.1	23.1	7.9	7.9	27.8	27.9	89.9	90.1	6.6	6.6	2.1	2.1	4	4						
						3.6	0.4	290	23.1	23.1	7.9	7.9	28.0	28.0	90.2	90.1	6.6	6.6	2.0	2.0	5	5						
					Bottom	6.2	0.5	298	23.0	23.1	7.9	7.9	28.4	28.3	90.8	91.2	6.6	6.7	2.6	2.6	4	4						
						6.2	0.5	294	23.1	23.1	7.9	7.9	28.3	28.3	91.5	91.2	6.7	6.7	2.6	2.6	4	4						
SR1A	Misty	Calm	09:30	4.2	Surface	1.0	-	212	23.3	23.3	7.9	7.9	23.2	23.3	91.8	91.8	6.9	6.9	1.0	1.0	4	4	819979	812661				
						1.0	0.0	212	23.3	23.3	7.9	7.9	23.4	23.3	91.7	91.8	6.8	6.8	1.1	1.1	4	4						
					Middle	2.1	0.1	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						2.1	0.0	194	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	3.2	0.0	192	23.2	23.3	7.9	7.9	24.0	23.8	91.6	91.7	6.8	6.8	1.9	1.9	4	4						
						3.2	0.0	185	23.3	23.3	7.9	7.9	23.7	23.8	91.8	91.7	6.8	6.8	1.8	1.8	5	5						
SR2	Misty	Calm	09:15	5.8	Surface	1.0	0.1	227	23.2	23.2	7.9	7.9	24.9	24.9	90.5	90.4	6.7	6.7	1.2	1.2	3	3	821483	814163				
						1.0	0.0	221	23.2	23.2	7.9	7.9	24.9	24.9	90.3	90.4	6.7	6.7	1.3	1.3	4	4						
					Middle	-	0.1	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						-	0.1	219	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	4.8	0.1	243	23.0	23.0	7.9	7.9	28.4	28.4	89.7	90.0	6.5	6.6	3.0	3.0	6	6						
						4.8	0.1	236	23.0	23.0	7.9	7.9	28.3	28.4	90.3	90.0	6.6	6.6	2.8	2.8	5	5						
SR3	Foggy	Moderate	08:56	9.1	Surface	1.0	0.2	342	24.2	24.2	8.1	8.1	24.6	24.6	94.1	94.0	6.9	6.9	3.0	3.0	2	2	822153	807567				
						1.0	0.2	341	24.2	24.2	8.1	8.1	24.6	24.6	93.9	94.0	6.8	6.8	3.4	3.4	2	2						
					Middle	4.6	0.1	329	24.2	24.2	8.2	8.2	26.4	27.0	93.5	93.5	6.7	6.7	5.3	5.3	2	2						
						4.6	0.1	334	24.2	24.2	8.2	8.2	27.6	27.6	93.5	93.5	6.6	6.6	5.5	5.5	3	3						
					Bottom	8.1	0.2	339	24.2	24.2	8.2	8.2	29.6	29.6	93.8	93.9	6.6	6.7	5.9	5.9	2	2						
						8.1	0.2	344	24.2	24.2	8.2	8.2	29.6	29.6	93.9	93.9	6.7	6.7	5.8	5.8	2	2						
SR4A	Foggy	Moderate	07:36	8.8	Surface	1.0	0.0	229	24.3	24.3	8.1	8.1	27.7	27.7	93.8	93.9	6.7	6.7	8.1	8.1	3	3	817195	807792				
						1.0	0.0	225	24.3	24.3	8.1	8.1	27.7	27.7	94.0	93.9	6.7	6.7	8.2	8.2	4	4						
					Middle	4.4	0.0	208	24.3	24.3	8.1	8.1	29.2	29.3	88.3	88.3	6.3	6.3	5.3	5.3	4	4						
						4.4	0.0	203	24.3	24.3	8.1	8.1	29.3	29.3	88.2	88.3	6.2	6.2	5.1	5.1	4	4						
					Bottom	7.8	0.0	203	24.2	24.2	8.1	8.1	29.8	29.8	83.3	83.3	5.9	5.9	4.1	4.1	5	5						
						7.8	0.0	205	24.2	24.2	8.1	8.1	29.8	29.8	83.3	83.3	5.9	5.9	4.1	4.1	4	4						
SR8	Misty	Calm	09:45	5.0	Surface	1.0	-	-	23.3	23.3	7.9	7.9	23.4	23.4	90.3	90.2	6.7	6.7	1.8	1.8	3	3	820380	811637				
						1.0	-	-	23.3	23.3	7.9	7.9	23.4	23.4	90.0	90.2	6.7	6.7	1.7	1.7	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.0	-	-	23.1	23.2	7.9	7.9	27.6	27.2	90.5	90.8	6.6	6.7	2.0	2.0	3	3						
						4.0	-	-	23.2	23.2	7.9	7.9	26.8	27.2	91.1	90.8	6.7	6.7	2.0	2.0	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 27 April 23 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	DA			
C1	Cloudy	Rough	17:58	8.6	Surface	1.0	0.4	213	22.6	22.6	8.0	8.0	27.0	26.9	98.2	97.9	7.3	7.1	4.7	7.2	<2	3	815638	804241					
						1.0	0.4	209	22.6	8.0	8.0	26.8	26.9	97.6	97.9	7.2	7.1	5.0	7.2	<2	3								
					Middle	4.3	0.4	225	22.5	22.5	8.0	8.0	26.1	26.0	93.1	93.2	6.9	6.5	9.0	6.5	2	2			2	2			
						4.3	0.4	220	22.5	22.5	8.0	8.0	25.9	26.0	93.2	93.2	7.0	6.5	9.8	6.5	2	2			2	2			
					Bottom	7.6	0.4	234	22.5	22.6	8.0	8.0	25.6	25.4	93.4	93.5	7.0	7.0	7.1	7.0	4	6.5			4	4	4		
						7.6	0.4	227	22.6	22.6	8.0	8.0	25.3	25.4	93.5	93.5	7.0	7.0	7.7	7.0	4	6.5			4	4	4		
C2	Cloudy	Rough	16:31	11.8	Surface	1.0	0.3	177	22.7	22.7	8.0	8.0	27.3	27.3	93.3	93.2	6.9	6.8	0.3	6.8	4	2	825678	806956					
						1.0	0.2	180	22.7	22.7	8.0	8.0	27.3	27.3	93.0	93.2	6.9	6.8	0.3	6.8	2	2			2	2			
					Middle	5.9	0.2	182	22.6	22.6	8.0	8.0	27.9	28.0	89.6	89.6	6.6	6.5	2.4	6.5	2	6.5			2	2	2	2	
						5.9	0.2	181	22.6	22.6	8.0	8.0	28.0	28.0	89.5	89.6	6.6	6.5	2.7	6.5	2	6.5			2	2	2	2	
					Bottom	10.8	0.2	155	22.6	22.6	8.0	8.0	28.5	28.5	89.2	89.2	6.5	6.5	3.2	6.5	<2	6.5			<2	2	<2	<2	<2
						10.8	0.3	158	22.6	22.6	8.0	8.0	28.6	28.5	89.2	89.2	6.5	6.5	3.0	6.5	<2	6.5			<2	2	<2	<2	<2
C3	Cloudy	Rough	18:17	10.8	Surface	1.0	0.3	58	23.8	23.8	8.2	8.2	32.6	32.6	92.9	92.9	6.5	6.4	1.2	6.4	4	4	822130	817795					
						1.0	0.3	53	23.8	23.8	8.2	8.2	32.6	32.6	92.9	92.9	6.5	6.4	1.2	6.4	4	6.4			4	4			
					Middle	5.4	0.3	61	23.5	23.5	8.2	8.2	33.4	33.4	87.6	87.7	6.2	6.0	1.4	6.0	4	6.0			4	4	4		
						5.4	0.3	63	23.5	23.5	8.2	8.2	33.4	33.4	87.7	87.7	6.2	6.0	1.4	6.0	3	6.0			3	6.0	3	3	
					Bottom	9.8	0.3	92	23.4	23.4	8.2	8.2	33.9	33.9	86.1	86.2	6.0	6.0	2.8	6.0	4	6.0			4	6.0	4	4	4
						9.8	0.4	88	23.4	23.4	8.2	8.2	33.9	33.9	86.2	86.2	6.0	6.0	2.8	6.0	4	6.0			4	6.0	4	4	4
IM1	Cloudy	Rough	17:35	6.6	Surface	1.0	0.3	182	22.7	22.7	8.1	8.1	28.5	28.5	96.7	96.5	7.1	7.0	6.0	7.0	3	2	818368	806464					
						1.0	0.3	180	22.7	22.7	8.1	8.1	28.5	28.5	96.3	96.5	7.1	7.0	6.3	7.0	2	7.0			2	2			
					Middle	3.3	0.3	194	22.5	22.5	8.0	8.0	27.0	26.9	93.3	93.4	6.9	6.9	5.7	6.9	3	6.9			3	6.9	3	3	
						3.3	0.3	190	22.5	22.5	8.0	8.0	26.8	26.9	93.4	93.4	6.9	6.9	5.6	6.9	4	6.9			4	6.9	4	4	
					Bottom	5.6	0.3	190	22.5	22.6	8.0	8.0	26.2	26.0	93.5	93.5	7.0	7.0	6.8	7.0	5	7.0			5	7.0	5	5	5
						5.6	0.3	194	22.6	22.6	8.0	8.0	25.9	26.0	93.5	93.5	7.0	7.0	6.7	7.0	5	7.0			5	7.0	5	5	5
IM2	Cloudy	Rough	17:30	7.0	Surface	1.0	0.3	193	22.5	22.5	8.0	8.0	26.8	26.7	94.0	93.9	7.0	7.0	5.1	7.0	6	7	819163	806255					
						1.0	0.3	192	22.5	22.5	8.0	8.0	26.7	26.7	93.8	93.9	7.0	7.0	5.3	7.0	7	7.0			7	7			
					Middle	3.5	0.2	191	22.5	22.5	8.0	8.0	26.6	26.5	93.8	93.9	7.0	7.0	5.9	7.0	7	7.0			7	7.0	7	7	
						3.5	0.2	185	22.5	22.5	8.0	8.0	26.4	26.4	94.0	94.0	7.0	7.0	5.8	7.0	7	7.0			7	7.0	7	7	
					Bottom	6.0	0.3	180	22.6	22.6	8.0	8.0	23.8	23.6	95.4	95.6	7.2	7.2	9.7	7.2	8	7.2			8	7.2	8	8	
						6.0	0.3	181	22.6	22.6	8.0	8.0	23.4	23.6	95.8	95.6	7.2	7.2	9.6	7.2	7	7.2			7	7.2	7	7	7
IM7	Cloudy	Rough	17:08	7.8	Surface	1.0	0.2	173	22.9	22.9	8.0	8.0	26.9	26.9	93.4	93.4	6.9	6.9	0.9	6.9	3	4	821331	806834					
						1.0	0.2	167	22.9	22.9	8.0	8.0	26.9	26.9	93.4	93.4	6.9	6.9	0.9	6.9	4	6.9			4	6.9	4		
					Middle	3.9	0.2	174	22.8	22.8	8.0	8.0	26.7	26.7	93.3	93.3	6.9	6.9	1.2	6.9	4	6.9			4	6.9	4	4	
						3.9	0.2	179	22.8	22.8	8.0	8.0	26.7	26.7	93.3	93.3	6.9	6.9	1.4	6.9	4	6.9			4	6.9	4	4	
					Bottom	6.8	0.2	193	22.7	22.7	8.0	8.0	26.6	26.5	92.6	92.6	6.9	6.9	2.6	6.9	5	6.9			5	6.9	5	5	5
						6.8	0.2	194	22.7	22.7	8.0	8.0	26.5	26.5	92.6	92.6	6.9	6.9	2.7	6.9	5	6.9			5	6.9	5	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 27 April 23 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	DA		
IM10	Cloudy	Rough	16:23	9.8	Surface	1.0	0.3	99	<u>23.7</u>	23.7	8.2	8.2	<u>30.6</u>	30.6	91.7	91.7	6.5	6.3	2.9	4.7	5	4	822252	809835				
						1.0	0.4	97	<u>23.7</u>		8.2		<u>30.6</u>		91.7		6.5		2.9		6							
					Middle	4.9	0.3	120	<u>23.7</u>	8.1	8.1	<u>31.6</u>	31.7	85.8	85.8	6.1	4.7	4										
						4.9	0.3	115	<u>23.7</u>	8.1	<u>31.7</u>	85.8		6.1		4.7	4											
					Bottom	8.8	0.3	86	<u>23.7</u>	8.1	8.1	<u>32.3</u>	32.3	83.7	83.7	5.9	5.9	6.3	2									
						8.8	0.3	79	<u>23.7</u>	8.1	<u>32.3</u>	83.7		5.9		6.3	2											
IM11	Cloudy	Rough	16:34	8.8	Surface	1.0	0.3	82	<u>23.8</u>	23.8	8.2	8.2	<u>30.6</u>	30.6	92.2	92.2	6.5	6.5	1.4	3.1	4	3	821511	810550				
						1.0	0.4	75	<u>23.7</u>		8.2		<u>30.6</u>		92.1		6.5		1.4		4							
					Middle	4.4	0.3	87	<u>23.7</u>	8.2	8.2	<u>30.7</u>	30.7	91.1	91.1	6.5	3.2	4										
						4.4	0.4	83	<u>23.7</u>	8.2	<u>30.7</u>	91.0		6.5		3.2	3											
					Bottom	7.8	0.4	87	<u>23.7</u>	8.2	8.2	<u>31.5</u>	31.5	88.1	88.1	6.2	6.2	4.6	3									
						7.8	0.4	84	<u>23.7</u>	8.2	<u>31.5</u>	88.1		6.2		4.7	2											
IM12	Cloudy	Rough	16:47	7.9	Surface	1.0	0.4	88	<u>23.6</u>	23.6	8.2	8.2	<u>30.7</u>	30.7	92.1	92.1	6.5	6.4	1.9	3.5	3	3	821178	811542				
						1.0	0.4	83	<u>23.6</u>		8.2		<u>30.7</u>		92.0		6.5		2.0		2							
					Middle	4.0	0.4	101	<u>23.7</u>	8.2	8.2	<u>31.4</u>	31.4	88.3	88.3	6.2	6.2	2.8	4									
						4.0	0.4	95	<u>23.7</u>	8.2	<u>31.4</u>	88.3		6.2		2.9	3											
					Bottom	6.9	0.4	111	<u>23.7</u>	8.1	8.1	<u>31.7</u>	31.7	86.2	86.2	6.1	6.1	5.8	4									
						6.9	0.3	106	<u>23.7</u>	8.1	<u>31.7</u>	86.2		6.1		5.7	3											
SR1A	Cloudy	Moderate	17:29	5.3	Surface	1.0	0.1	89	<u>23.9</u>	23.9	8.2	8.2	<u>30.9</u>	30.9	89.9	89.9	6.4	6.4	2.0	3.2	5	4	819974	812655				
						1.0	0.0	84	<u>23.9</u>		8.2		<u>30.9</u>		89.9		6.4		2.0		4							
					Middle	2.7	0.1	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.7	0.1	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	4.3	-	69	<u>23.8</u>	23.8	8.2	8.2	<u>31.4</u>	31.4	89.1	89.1	6.3	6.3	4.4	3								
						4.3	0.1	62	<u>23.8</u>		8.2		<u>31.4</u>		89.1		6.3	4.4	4									
SR2	Cloudy	Rough	17:50	4.6	Surface	1.0	0.4	61	<u>23.7</u>	23.7	8.2	8.2	<u>30.3</u>	30.3	94.5	94.5	6.7	6.7	1.9	2.3	2	3	821442	814145				
						1.0	0.4	67	<u>23.7</u>		8.2		<u>30.3</u>		94.5		6.7		2.0		3							
					Middle	-	0.4	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	0.4	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.6	0.3	48	<u>23.5</u>	23.5	8.2	8.2	<u>32.8</u>	32.8	88.4	88.5	6.2	6.2	2.7	3								
						3.6	0.3	48	<u>23.5</u>		8.2		<u>32.9</u>		88.5		6.2	2.7	4									
SR3	Cloudy	Rough	17:02	9.1	Surface	1.0	0.3	172	<u>22.9</u>	22.9	8.0	8.0	26.5	26.5	91.7	91.7	6.8	6.8	0.8	3.0	2	3	822142	807550				
						1.0	0.3	172	<u>22.9</u>		8.0		26.5		91.6		6.8		0.8		2							
					Middle	4.6	0.3	153	<u>22.7</u>	22.7	8.0	8.0	26.5	26.5	90.2	90.2	6.7	6.7	3.4	4								
						4.6	0.4	158	<u>22.6</u>		8.0		26.5		90.1		6.7	3.7	4									
					Bottom	8.1	0.4	179	<u>22.6</u>	22.6	8.0	8.0	26.5	26.4	89.9	89.9	6.7	6.7	4.7	4								
						8.1	0.4	185	<u>22.6</u>		8.0		<u>26.3</u>		89.9		6.7	4.7	4									
SR4A	Cloudy	Rough	18:22	9.1	Surface	1.0	0.0	58	<u>22.6</u>	22.6	8.0	8.0	27.8	27.8	92.9	92.9	6.8	6.8	5.6	6.5	2	3	817172	807800				
						1.0	0.1	63	<u>22.6</u>		8.0		27.8		92.9		6.8		5.6		3							
					Middle	4.6	0.1	57	<u>22.5</u>	22.5	8.0	8.0	27.6	27.6	92.0	92.0	6.8	6.8	6.9	3								
						4.6	0.1	59	<u>22.5</u>		8.0		27.5		92.0		6.8	6.9	3									
					Bottom	8.1	0.1	93	<u>22.5</u>	22.5	8.0	8.0	26.8	26.7	92.3	92.4	6.9	6.9	7.1	5								
						8.1	0.0	88	<u>22.5</u>		8.0		<u>26.6</u>		92.4		6.9	6.9	4									
SR8	Cloudy	Moderate	16:59	5.4	Surface	1.0	-	-	<u>23.7</u>	23.7	8.2	8.2	30.4	30.4	93.3	93.3	6.6	6.6	4.8	5.7	5	5	820410	811631				
						1.0	-	-	<u>23.7</u>		8.2		30.4		93.2		6.6		4.8		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
					Bottom	4.4	-	-	<u>23.6</u>	23.6	8.2	8.2	31.4	31.4	89.1	89.1	6.3	6.3	6.5	6								
						4.4	-	-	<u>23.6</u>		8.2		31.4		89.1		6.3	6.5	6									

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 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
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**Expansion of Hong Kong International Airport into a Three-Runway System**

**Water Quality Monitoring**

**Water Quality Monitoring Results on 27 April 23 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
C1	Cloudy	Rough	05:29	8.3	Surface	1.0	0.1	50	22.5	22.5	8.0	8.0	27.7	27.7	96.8	96.7	7.1	7.1	1.9	7.0	4.3	4	815632	804253		
						1.0	0.1	54	22.5		8.0		27.7		96.6		7.1		2.0		3					
					Middle	4.2	0.1	66	22.5	22.5	8.0	8.0	27.3	27.2	93.2	93.2	6.9	6.9	7.0	7.0	3.3	4.3			2	3
						4.2	0.1	68	22.5		8.0		27.2		93.1		6.9		3.3							
					Bottom	7.3	0.0	38	22.5	22.5	8.0	8.0	26.3	26.2	94.6	94.7	7.0	7.1	7.1	7.1	7.8	4.3			2	3
						7.3	0.0	32	22.5		8.0		26.0		94.8		7.1		7.5		3					
C2	Cloudy	Rough	06:56	12.3	Surface	1.0	0.1	183	22.7	22.7	8.0	8.0	25.8	25.8	94.4	94.4	7.0	6.9	0.5	7.2	3	825659	806940			
						1.0	0.2	178	22.7		8.0		25.7		94.3		7.0		0.5		4					
					Middle	6.2	0.1	190	22.6	22.6	8.0	8.0	25.3	25.2	89.7	89.7	6.7	6.7	6.9	6.7	10.6			7.2	3	
						6.2	0.1	184	22.6		8.0		25.2		89.7		6.7		10.9		2					
					Bottom	11.3	0.1	196	22.6	22.6	8.0	8.0	24.8	24.7	89.7	89.8	6.7	6.7	6.7	6.7	10.7			7.2	2	3
						11.3	0.1	190	22.6		8.0		24.6		89.8		6.7		9.9		2					
C3	Fine	Rough	04:09	9.6	Surface	1.0	0.1	267	23.4	23.4	8.1	8.1	32.7	32.8	89.8	89.8	6.3	6.2	1.2	2.4	4	822097	817791			
						1.0	0.1	269	23.4		8.1		32.8		89.7		6.3		1.2		4					
					Middle	4.8	0.2	254	23.4	23.4	8.1	8.1	33.4	33.4	85.3	85.3	6.0	6.0	6.2	6.2	2.7			2.4	4	
						4.8	0.2	261	23.4		8.1		33.4		85.3		6.0		2.7		4					
					Bottom	8.6	0.1	265	23.4	23.4	8.1	8.1	33.9	33.9	84.4	84.5	5.9	5.9	5.9	5.9	3.4			2.4	3	4
						8.6	0.1	270	23.4		8.1		33.9		84.5		5.9		3.4		3					
IM1	Cloudy	Rough	05:52	6.4	Surface	1.0	0.0	32	22.5	22.5	8.0	8.0	26.4	26.4	94.0	93.9	7.0	7.0	4.3	5.1	4	818329	806475			
						1.0	0.0	24	22.5		8.0		26.3		93.8		7.0		4.5		5					
					Middle	3.2	0.1	34	22.5	22.5	8.0	8.0	26.8	26.8	92.7	92.8	6.9	6.9	6.9	6.9	5.2			5.1	4	
						3.2	0.0	34	22.5		8.0		26.8		92.8		6.9		5.0		3					
					Bottom	5.4	0.1	51	22.5	22.5	8.0	8.0	24.8	24.6	93.2	94.7	7.0	7.1	7.1	7.1	5.7			5.1	2	
						5.4	0.1	49	22.4		8.0		24.5		96.2		7.2		5.8		3					
IM2	Cloudy	Rough	05:58	6.9	Surface	1.0	0.0	18	22.5	22.5	8.0	8.0	28.0	28.0	94.5	94.3	7.0	6.9	3.2	4.5	4	819205	806227			
						1.0	0.0	11	22.5		8.0		28.0		94.1		6.9		3.6		5					
					Middle	3.5	0.0	19	22.5	22.5	8.0	8.0	27.8	27.8	93.2	93.2	6.9	6.9	6.9	6.9	4.5			4.5	3	
						3.5	0.1	20	22.5		8.0		27.8		93.1		6.9		4.7		4					
					Bottom	5.9	0.0	13	22.5	22.5	8.0	8.0	27.7	27.6	92.9	92.9	6.9	6.9	6.9	6.9	5.6			4.5	2	
						5.9	0.1	10	22.5		8.0		27.6		92.9		6.9		5.6		2					
IM7	Cloudy	Rough	06:21	7.8	Surface	1.0	0.1	13	22.9	22.9	8.0	8.0	26.0	26.0	93.1	93.1	6.9	6.9	0.8	2.5	2	821329	806847			
						1.0	0.1	13	22.9		8.0		25.9		93.0		6.9		0.8		2					
					Middle	3.9	0.0	18	22.6	22.6	8.0	8.0	26.3	26.2	91.3	91.3	6.8	6.8	6.9	6.8	2.8			2.5	4	
						3.9	0.0	25	22.6		8.0		26.2		91.2		6.8		2.9		3					
					Bottom	6.8	0.0	16	22.6	22.6	8.0	8.0	25.4	25.2	91.0	91.1	6.8	6.8	6.8	6.8	3.8			2.5	4	
						6.8	0.0	10	22.6		8.0		25.1		91.1		6.8		3.8		3					

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 27 April 23 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		
IM10	Fine	Rough	05:46	8.4	Surface	1.0	0.0	350	<u>23.7</u>	23.7	8.1	8.1	<u>31.2</u>	31.2	90.5	90.5	6.4	6.4	1.1	3.7	3	3	822263	809825
						1.0	0.1	352	<u>23.7</u>		8.1		<u>31.2</u>		90.5		6.4		1.1		3			
					Middle	4.2	-	333	<u>23.7</u>	8.1	8.1	<u>31.2</u>	31.2	89.7	89.7	6.3	6.4	4.2	3					
						4.2	0.0	333	<u>23.7</u>	8.1	8.1	<u>31.2</u>	31.2	89.6	89.6	6.3	6.4	4.3	3					
					Bottom	7.4	0.0	343	<u>23.7</u>	23.7	8.1	8.1	<u>31.6</u>	31.6	86.1	86.1	6.1	6.1	5.8	3				
						7.4	0.1	350	<u>23.7</u>		8.1		<u>31.7</u>		86.1		6.1		5.8		4			
IM11	Fine	Rough	05:31	7.2	Surface	1.0	0.1	307	<u>23.7</u>	23.7	8.1	8.1	<u>31.3</u>	31.3	88.4	88.3	6.3	6.2	1.2	1.4	<2	3	821513	810525
						1.0	0.1	313	<u>23.7</u>		8.1		<u>31.3</u>		88.2		6.2		1.2		<2			
					Middle	3.6	0.1	324	<u>23.7</u>	23.7	8.1	8.1	<u>31.7</u>	31.8	86.0	85.9	6.1	6.1	1.3		3			
						3.6	0.0	318	<u>23.7</u>		8.1		<u>31.8</u>		85.7		6.1		1.4					
					Bottom	6.2	0.0	324	<u>23.6</u>	23.6	8.1	8.1	<u>32.6</u>	32.6	84.3	84.3	5.9	5.9	1.8		3			
						6.2	0.0	318	<u>23.6</u>		8.1		<u>32.6</u>		84.3		5.9		1.8					
IM12	Fine	Rough	05:22	7.1	Surface	1.0	0.0	296	<u>23.8</u>	23.8	8.1	8.1	<u>30.9</u>	30.9	88.4	88.4	6.3	6.2	1.1	2.4	2	3	821172	811533
						1.0	0.0	290	<u>23.8</u>		8.1		<u>30.9</u>		88.4		6.3		1.0		3			
					Middle	3.6	0.0	277	<u>23.8</u>	23.8	8.1	8.1	<u>31.1</u>	31.1	86.5	86.5	6.1	6.1	3.2		3			
						3.6	0.0	281	<u>23.8</u>		8.1		<u>31.1</u>		86.5		6.1		3.2					
					Bottom	6.1	0.0	273	<u>23.7</u>	23.7	8.1	8.1	<u>32.2</u>	32.2	83.2	83.2	5.9	5.9	2.8		3			
						6.1	0.0	271	<u>23.7</u>		8.1		<u>32.2</u>		83.2		5.9		2.8					
SR1A	Fine	Moderate	04:39	4.4	Surface	1.0	0.0	299	<u>23.7</u>	23.7	8.1	8.1	<u>30.0</u>	30.0	88.8	88.8	6.3	6.3	4.2	5.0	4	4	819980	812654
						1.0	0.0	296	<u>23.7</u>		8.1		<u>30.1</u>		88.8		6.3		4.2		4			
					Middle	2.2	0.1	279	-	-	-	-	-	-	-	-	-	-	-		-			
						2.2	0.0	285	-		-		-		-		-		-					
					Bottom	3.4	0.0	312	<u>23.7</u>	23.7	8.1	8.1	<u>30.9</u>	30.9	87.5	87.6	6.2	6.2	5.8		4			
						3.4	0.0	305	<u>23.7</u>		8.1		<u>30.9</u>		87.6		6.2		5.8					
SR2	Fine	Moderate	04:26	4.2	Surface	1.0	0.0	36	<u>23.5</u>	23.5	8.1	8.1	<u>32.4</u>	32.4	90.5	90.5	6.4	6.4	1.1	3.0	3	3	821462	814146
						1.0	0.0	29	<u>23.5</u>		8.1		<u>32.4</u>		90.4		6.4		1.2		4			
					Middle	-	-	36	-	-	-	-	-	-	-	-	-	-	-		-			
						-	0.0	37	-		-		-		-		-		-					
					Bottom	3.2	0.0	28	<u>23.5</u>	23.5	8.1	8.1	<u>32.9</u>	32.9	87.6	87.6	6.2	6.2	4.8		3			
						3.2	0.0	32	<u>23.5</u>		8.1		<u>32.9</u>		87.6		6.2		4.8					
SR3	Cloudy	Rough	06:28	8.4	Surface	1.0	0.1	129	<u>22.8</u>	22.8	8.0	8.0	25.4	25.4	91.5	91.5	6.8	6.8	1.0	2.6	2	2	822151	807580
						1.0	0.1	134	<u>22.8</u>		8.0		25.4		91.4		6.8		1.1		2			
					Middle	4.2	0.1	135	<u>22.7</u>	22.7	8.0	8.0	25.1	25.1	91.3	91.3	6.8	6.8	2.7		2			
						4.2	0.0	142	<u>22.7</u>		8.0		25.1		91.3		6.8		2.7					
					Bottom	7.4	0.0	143	<u>22.7</u>	22.7	8.0	8.0	24.8	24.7	91.4	91.5	6.8	6.9	3.9		3			
						7.4	0.0	139	<u>22.7</u>		8.0		24.6		91.5		6.9		4.0					
SR4A	Cloudy	Moderate	05:04	9.5	Surface	1.0	0.0	245	<u>22.4</u>	22.5	7.9	7.9	27.8	27.8	93.5	93.4	6.9	6.8	2.4	3.5	3	2	817176	807801
						1.0	0.0	243	<u>22.5</u>		7.9		27.8		93.2		6.9		2.6		2			
					Middle	4.8	-	258	<u>22.5</u>	22.5	7.9	7.9	29.9	29.9	90.4	90.4	6.6	6.6	4.1		2			
						4.8	0.1	260	<u>22.5</u>		7.9		29.9		90.4		6.6		4.1					
					Bottom	8.5	0.0	255	<u>22.5</u>	22.5	7.9	7.9	29.8	29.8	90.8	90.9	6.6	6.6	4.0		2			
						8.5	0.1	252	<u>22.5</u>		7.9		29.8		90.9		6.6		4.0					
SR8	Fine	Moderate	05:11	4.9	Surface	1.0	-	-	<u>23.7</u>	23.7	8.1	8.1	<u>31.1</u>	31.1	89.1	89.1	6.3	6.3	3.2	5.4	2	3	820412	811605
						1.0	-	-	<u>23.7</u>		8.1		<u>31.1</u>		89.1		6.3		3.2		2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-			
						-	-	-	-		-		-		-		-		-					
					Bottom	3.9	-	-	<u>23.6</u>	23.6	8.1	8.1	<u>32.4</u>	32.4	85.7	85.7	6.0	6.0	7.5		5			
						3.9	-	-	<u>23.6</u>		8.1		<u>32.4</u>		85.7		6.0		7.6					

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 29 April 23 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	Cloudy	Moderate	20:23	8.4	Surface	1.0	0.4	200	23.7	23.7	8.0	8.0	28.3	28.4	115.8	115.8	8.3	8.1	2.8	5.4	2	3	815617	804269
						1.0	0.4	199	23.6		8.0		28.5		115.7		8.3		3.0		2			
					Middle	4.2	0.4	223	23.2	23.2	8.0	8.0	29.4	29.4	109.9	108.5	7.9	7.7	7.0	3				
						4.2	0.3	222	23.2		8.0		29.4		107.1		7.7		2					
					Bottom	7.4	0.4	198	23.2	23.2	8.0	8.0	29.3	29.2	101.9	101.9	7.4	7.4	6.7	3				
						7.4	0.4	196	23.2		8.0		29.2		101.9		7.4		6.0	4				
C2	Cloudy	Moderate	19:01	11.8	Surface	1.0	0.2	172	24.2	24.2	7.9	7.9	23.0	22.9	108.2	107.9	8.0	7.4	2.0	3.2	4	3	825662	806952
						1.0	0.2	176	24.2		7.9		22.9		107.5		7.9		2.2		4			
					Middle	5.9	0.2	183	23.0	23.0	7.9	7.9	28.8	28.9	95.4	95.4	6.9	6.9	3.2	3				
						5.9	0.2	182	23.0		7.9		28.9		95.3		6.9		3.4	4				
					Bottom	10.8	0.2	183	23.0	23.0	7.9	7.9	29.0	28.9	90.4	90.7	6.6	6.6	4.0	2				
						10.8	0.2	177	23.0		7.9		28.9		91.0		6.6		4.3	2				
C3	Fine	Rough	20:48	9.8	Surface	1.0	0.3	67	24.6	24.6	8.2	8.2	30.7	30.7	107.3	107.3	7.5	7.2	2.3	4.2	4	3	822114	817819
						1.0	0.3	71	24.6		8.2		30.7		107.2		7.5		2.3		3			
					Middle	4.9	0.2	76	24.0	24.0	8.2	8.2	32.6	32.6	97.9	97.9	6.8	6.8	4.5	2				
						4.9	0.2	70	24.0		8.2		32.6		97.9		6.8		4.6	2				
					Bottom	8.8	0.3	68	23.8	23.8	8.2	8.2	33.4	33.3	92.3	92.3	6.4	6.4	5.7	2				
						8.8	0.3	63	23.8		8.2		33.3		92.3		6.4		5.8	2				
IM1	Cloudy	Moderate	20:06	6.6	Surface	1.0	0.2	187	24.2	24.3	8.0	8.0	26.2	26.2	119.1	119.1	8.6	8.4	2.3	3.6	3	2	818366	806480
						1.0	0.2	188	24.3		8.0		26.2		119.0		8.6		2.3		2			
					Middle	3.3	0.2	189	23.3	23.3	8.0	8.0	29.2	29.2	113.1	113.2	8.2	8.2	3.8	2				
						3.3	0.2	188	23.3		8.0		29.2		113.3		8.2		4.0	3				
					Bottom	5.6	0.2	200	23.2	23.2	8.0	8.0	28.8	28.8	108.6	108.7	7.9	7.9	4.6	2				
						5.6	0.2	206	23.2		8.0		28.7		108.8		7.9		4.7	2				
IM2	Cloudy	Moderate	20:00	7.0	Surface	1.0	0.3	209	24.8	24.8	8.0	8.0	26.2	26.2	123.5	123.6	8.8	8.7	1.4	3.2	4	3	819198	806248
						1.0	0.3	209	24.8		8.0		26.2		123.6		8.8		1.4		2			
					Middle	3.5	0.3	182	23.7	23.7	8.0	8.0	28.8	28.8	119.4	119.4	8.6	8.6	2.3	3				
						3.5	0.3	174	23.7		8.0		28.8		119.4		8.6		2.3	2				
					Bottom	6.0	0.2	177	23.2	23.2	8.0	8.0	29.3	29.3	103.3	103.3	7.5	7.5	5.8	2				
						6.0	0.2	179	23.2		8.0		29.2		103.3		7.5		5.8	3				
IM7	Cloudy	Moderate	19:35	8.2	Surface	1.0	0.2	181	24.7	24.7	8.0	8.0	22.2	22.1	112.5	112.4	8.2	7.7	2.4	3.4	2	3	821359	806844
						1.0	0.2	175	24.7		8.0		22.1		112.3		8.2		2.5		2			
					Middle	4.1	0.2	180	23.3	23.3	8.0	8.0	28.7	28.7	100.0	99.8	7.2	7.2	3.8	3				
						4.1	0.2	172	23.3		8.0		28.7		99.6		7.2		3.9	3				
					Bottom	7.2	0.2	208	23.3	23.3	8.0	8.0	28.7	28.7	97.2	97.3	7.0	7.1	4.0	3				
						7.2	0.2	207	23.3		8.0		28.6		97.4		7.1		3.9	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 **29 April 23** 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	DA
IM10	Fine	Rough	19:02	8.8	Surface	1.0	0.1	125	25.0	8.2	8.2	26.8	26.8	107.4	107.5	7.6	7.5	2.7	2.8	5	4	822251	809836			
						1.0	0.2	127	25.0	8.2	8.2	26.8	26.8	107.5	107.5	7.6	7.5	2.7	2.8	4	4					
					Middle	4.4	0.2	108	24.7	8.2	8.2	28.2	28.2	104.1	104.1	7.4	7.4	3.4	3.5	4	3					
						4.4	0.2	108	24.7	8.2	8.2	28.2	28.2	104.1	104.1	7.4	7.4	3.4	3.5	3	3					
					Bottom	7.8	0.2	88	24.5	8.2	8.2	28.9	29.0	99.5	99.5	7.0	7.0	2.2	2.2	3	2					
						7.8	0.2	88	24.5	8.2	8.2	29.1	29.1	99.4	99.4	7.0	7.0	2.2	2.3	3	2					
IM11	Fine	Rough	19:16	7.9	Surface	1.0	0.3	106	24.6	8.2	8.2	29.0	29.0	100.8	100.8	7.1	6.8	2.2	2.3	4	3	821498	810524			
						1.0	0.3	98	24.6	8.2	8.2	29.0	29.0	100.7	100.7	7.1	6.8	2.2	2.3	3	3					
					Middle	4.0	0.2	83	24.2	8.2	8.2	31.5	31.5	93.2	93.2	6.5	6.5	3.7	3.8	4	3					
						4.0	0.2	76	24.2	8.2	8.2	31.5	31.5	93.2	93.2	6.5	6.5	3.7	3.8	3	3					
					Bottom	6.9	0.3	92	24.1	8.2	8.2	31.9	31.9	92.2	92.3	6.5	6.5	6.4	6.5	4	4					
						6.9	0.3	89	24.1	8.2	8.2	31.9	31.9	92.3	92.3	6.5	6.5	6.4	6.5	4	4					
IM12	Fine	Rough	19:25	7.4	Surface	1.0	0.3	90	24.6	8.2	8.2	28.4	28.4	101.8	101.8	7.2	7.0	1.8	1.8	4	3	821185	811508			
						1.0	0.3	93	24.6	8.2	8.2	28.4	28.4	101.8	101.8	7.2	7.0	1.8	1.8	3	3					
					Middle	3.7	0.4	91	24.4	8.2	8.2	29.8	29.8	96.7	96.7	6.8	6.8	3.9	3.9	4	3					
						3.7	0.4	86	24.4	8.2	8.2	29.8	29.8	96.7	96.7	6.8	6.8	3.9	3.9	3	3					
					Bottom	6.4	0.3	118	24.2	8.2	8.2	31.5	31.5	93.5	93.5	6.6	6.6	6.2	6.2	3	3					
						6.4	0.3	121	24.2	8.2	8.2	31.5	31.5	93.5	93.5	6.6	6.6	6.2	6.3	3	3					
SR1A	Fine	Moderate	20:09	4.4	Surface	1.0	0.0	73	24.3	8.2	8.2	31.0	31.0	96.5	96.5	6.8	6.8	2.2	2.2	3	4	819980	812654			
						1.0	0.0	76	24.3	8.2	8.2	31.0	31.0	96.5	96.5	6.8	6.8	2.2	2.2	4	4					
					Middle	2.2	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5
						2.2	0.0	58	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5
					Bottom	3.4	-	94	24.3	8.2	8.2	31.7	31.7	94.2	94.2	6.6	6.6	3.3	3.3	6	5					
						3.4	0.0	90	24.3	8.2	8.2	31.7	31.7	94.2	94.2	6.6	6.6	3.3	3.4	5	5					
SR2	Fine	Moderate	20:28	4.7	Surface	1.0	0.4	37	24.5	8.2	8.2	29.2	29.2	101.4	101.5	7.2	7.2	2.7	2.6	3	2	821465	814156			
						1.0	0.4	30	24.5	8.2	8.2	29.2	29.2	101.5	101.5	7.2	7.2	2.6	2.6	2	2					
					Middle	-	0.4	27	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3
						-	0.4	29	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3
					Bottom	3.7	0.3	57	24.3	8.2	8.2	31.0	31.0	97.5	97.5	6.8	6.8	3.9	3.9	3	3					
						3.7	0.4	61	24.3	8.2	8.2	31.0	31.0	97.5	97.5	6.8	6.8	3.9	3.9	3	3					
SR3	Cloudy	Moderate	19:26	8.9	Surface	1.0	0.2	170	24.6	8.0	8.0	22.7	22.7	112.6	112.5	8.2	7.9	2.0	2.1	3	4	822132	807551			
						1.0	0.2	167	24.6	8.0	8.0	22.7	22.7	112.4	112.4	8.2	7.5	2.1	2.1	4	4					
					Middle	4.5	0.3	180	23.4	8.0	8.0	28.3	28.3	104.0	104.0	7.5	7.5	3.1	3.1	2	2					
						4.5	0.3	186	23.4	8.0	8.0	28.3	28.3	104.0	104.0	7.5	7.5	3.1	3.1	2	2					
					Bottom	7.9	0.3	140	23.3	8.0	8.0	28.7	28.7	96.9	96.9	7.0	7.0	3.2	3.2	<2	<2					
						7.9	0.3	138	23.3	8.0	8.0	28.7	28.7	96.9	96.9	7.0	7.0	3.2	3.2	<2	<2					
SR4A	Cloudy	Moderate	20:42	9.0	Surface	1.0	0.0	343	24.3	8.0	8.0	27.2	27.2	113.2	113.2	8.1	7.9	3.3	3.4	2	2	817193	807828			
						1.0	0.0	346	24.3	8.0	8.0	27.3	27.2	113.1	113.1	8.1	7.9	3.4	3.4	2	2					
					Middle	4.5	0.0	333	23.6	8.0	8.0	28.9	28.9	105.4	105.4	7.6	7.6	4.1	4.1	<2	<2					
						4.5	-	333	23.6	8.0	8.0	28.9	28.9	105.4	105.4	7.6	7.6	4.1	4.1	<2	<2					
					Bottom	8.0	0.0	7	23.5	8.0	8.0	28.9	28.9	104.9	104.8	7.6	7.6	3.6	3.6	<2	<2					
						8.0	0.0	2	23.5	8.0	8.0	28.9	28.9	104.7	104.7	7.5	7.5	3.7	3.7	<2	<2					
SR8	Fine	Moderate	19:35	4.9	Surface	1.0	-	-	24.6	8.2	8.2	28.3	28.3	102.7	102.7	7.3	7.3	1.8	1.8	2	2	820405	811607			
						1.0	-	-	24.6	8.2	8.2	28.4	28.3	102.6	102.6	7.3	7.3	1.8	1.8	2	2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
					Bottom	3.9	-	-	24.2	8.2	8.2	31.3	31.3	96.5	96.5	6.8	6.8	2.2	2.2	3	3					
						3.9	-	-	24.2	8.2	8.2	31.3	31.3	96.5	96.5	6.8	6.8	2.2	2.3	3	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 29 April 23 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	Cloudy	Moderate	07:40	8.5	Surface	1.0	0.0	62	23.7	23.7	8.0	8.0	27.2	27.2	110.0	110.0	8.0	7.7	2.3	5.1	3	2	815610	804241				
						1.0	0.0	68	23.6		8.0		27.2		109.9		8.0		2.3									
					Middle	4.3	0.1	62	23.2	23.2	8.0	8.0	29.3	29.2	101.0	101.0	7.3	7.3	6.8	7.3	7.1				7.3	6.0	7.3	2
						4.3	0.1	61	23.2		8.0		29.2		101.0		7.3		7.1									
					Bottom	7.5	0.1	34	23.2	23.2	7.9	7.9	28.9	28.9	101.0	101.0	7.3	7.3	6.0	7.3	6.1				7.3	2		
						7.5	0.1	33	23.2		7.9		28.8		101.0		7.3		6.1									
C2	Cloudy	Moderate	09:32	11.6	Surface	1.0	0.1	191	23.8	23.8	8.0	8.0	23.0	23.1	111.6	111.0	8.3	7.6	1.8	2.6	2	3	825699	806943				
						1.0	0.2	194	23.7		8.0		23.3		110.3		8.2		1.8									
					Middle	5.8	0.2	186	23.1	23.1	7.9	7.9	28.0	28.0	95.4	95.4	7.0	7.0	2.7	7.0	2.7				7.0	3		
						5.8	0.2	188	23.1		7.9		28.0		95.4		7.0		2.7									
					Bottom	10.6	0.1	169	23.0	23.0	7.9	7.9	28.3	28.3	89.6	89.5	6.5	6.5	3.4	6.5	3.5				6.5	3		
						10.6	0.1	162	22.9		7.9		28.3		89.4		6.5		3.5									
C3	Cloudy	Moderate	07:19	10.7	Surface	1.0	0.1	173	24.1	24.1	8.2	8.2	32.2	32.2	100.4	100.4	7.0	6.8	1.7	1.7	<2	2	822125	817791				
						1.0	0.1	166	24.1		8.2		32.2		100.4		7.0		1.7									
					Middle	5.4	0.0	176	23.9	23.9	8.2	8.2	33.2	33.2	93.3	93.3	6.5	6.5	1.9	6.5	2.0				6.5	2		
						5.4	0.0	169	23.9		8.2		33.2		93.3		6.5		2.0									
					Bottom	9.7	0.0	189	23.7	23.7	8.2	8.2	33.5	33.5	88.5	88.5	6.2	6.2	1.6	6.2	1.6				6.2	2		
						9.7	0.0	196	23.7		8.2		33.5		88.5		6.2		1.6									
IM1	Cloudy	Moderate	08:05	6.5	Surface	1.0	0.1	54	24.1	24.1	8.0	8.0	26.5	26.5	115.1	115.1	8.3	8.1	1.5	3.1	<2	3	818345	806441				
						1.0	0.1	54	24.0		8.0		26.5		115.0		8.3		1.6									
					Middle	3.3	0.1	62	23.4	23.4	8.0	8.0	29.3	29.4	108.8	108.7	7.8	7.8	3.4	7.8	3.5				7.8	3		
						3.3	0.1	64	23.3		8.0		29.4		108.5		7.8		3.5									
					Bottom	5.5	0.0	32	23.2	23.2	8.0	8.0	29.6	29.6	105.0	105.1	7.6	7.6	4.3	7.6	4.2				7.6	3		
						5.5	0.0	31	23.2		8.0		29.6		105.1		7.6		4.2									
IM2	Cloudy	Moderate	08:11	6.8	Surface	1.0	0.0	358	23.6	23.6	8.0	8.0	28.8	28.8	114.7	114.6	8.3	7.9	2.4	3.1	3	2	819168	806238				
						1.0	0.0	3	23.5		8.0		28.9		114.4		8.2		2.5									
					Middle	3.4	0.0	342	23.3	23.3	8.0	8.0	29.5	29.5	106.0	105.9	7.6	7.6	3.2	7.6	3.3				7.6	2		
						3.4	0.0	335	23.3		8.0		29.5		105.8		7.6		3.3									
					Bottom	5.8	0.0	346	23.3	23.3	8.0	8.0	29.4	29.3	105.5	105.5	7.6	7.6	3.5	7.6	3.5				7.6	2		
						5.8	0.0	352	23.3		8.0		29.3		105.5		7.6		3.5									
IM7	Cloudy	Moderate	08:50	8.1	Surface	1.0	0.1	57	23.9	23.9	8.0	8.0	24.3	24.2	108.7	108.7	8.0	7.7	1.5	2.8	3	3	821337	806815				
						1.0	0.0	56	23.9		8.0		24.2		108.6		8.0		1.5									
					Middle	4.1	0.0	42	23.3	23.3	8.0	8.0	28.8	28.8	101.2	101.1	7.3	7.3	3.4	7.3	3.3				7.3	2		
						4.1	0.1	37	23.3		8.0		28.8		100.9		7.3		3.3									
					Bottom	7.1	0.1	44	23.2	23.2	8.0	8.0	28.8	28.7	99.4	99.4	7.2	7.2	3.5	7.2	3.6				7.2	2		
						7.1	0.0	39	23.2		8.0		28.7		99.3		7.2		3.6									

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

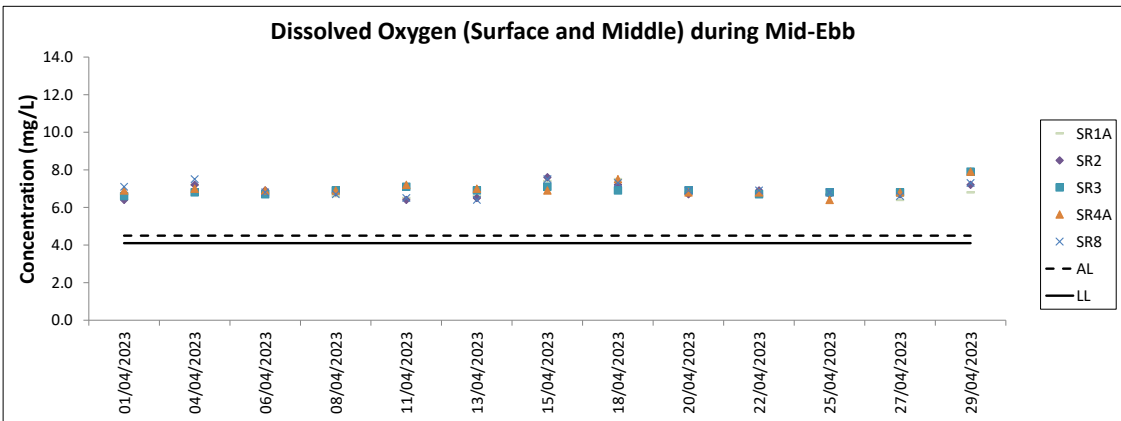
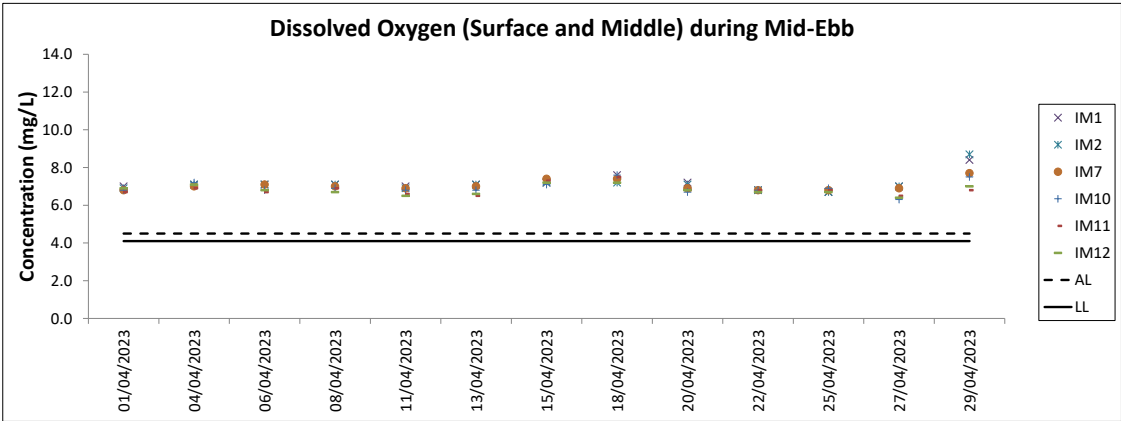
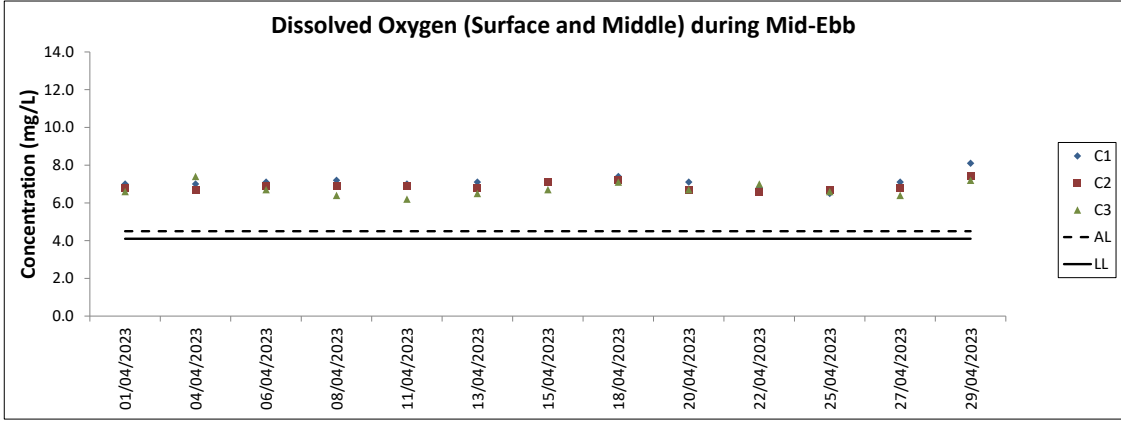
Water Quality Monitoring Results on 29 April 23 during Mid-Flood Tide

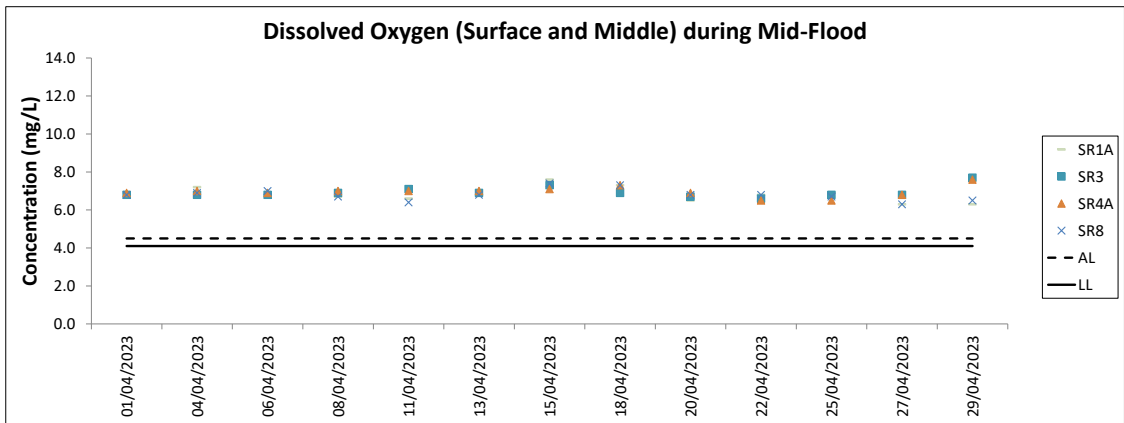
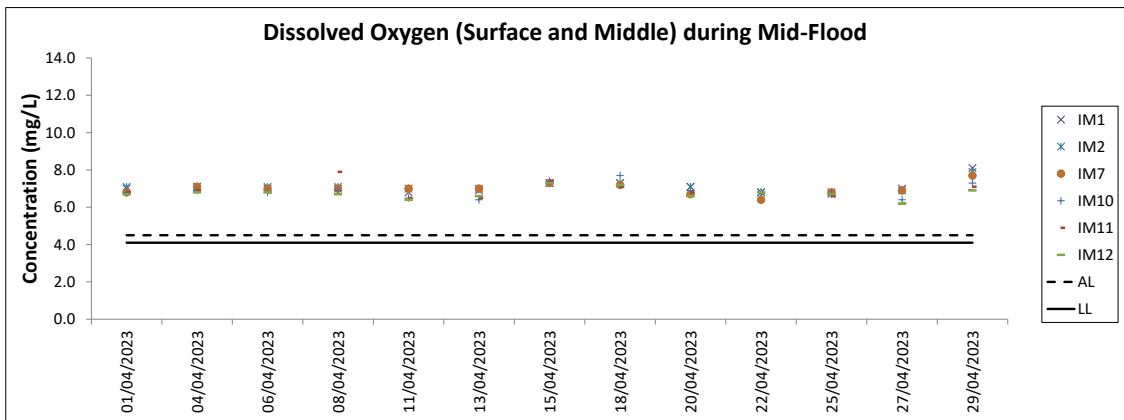
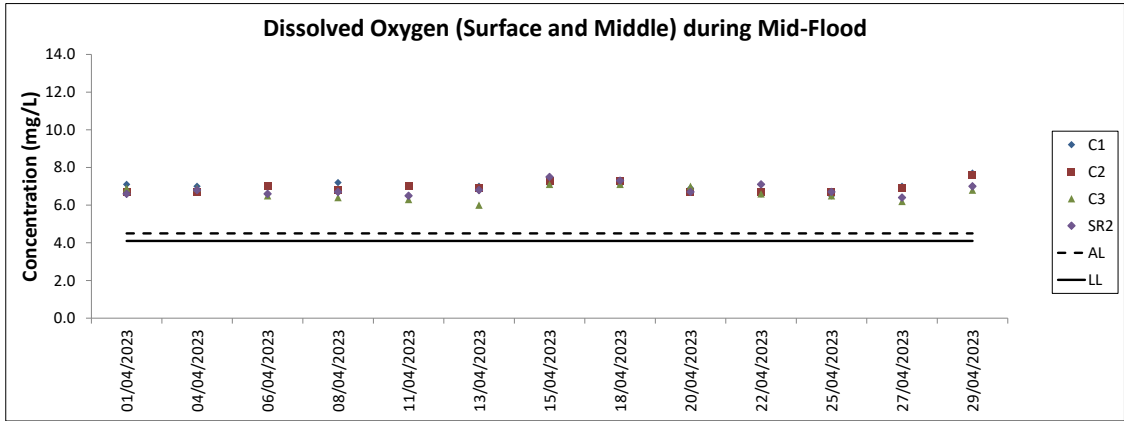
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Cloudy	Moderate	09:07	9.3	Surface	1.0	0.1	94	24.9	24.9	8.2	8.2	26.3	26.3	103.5	103.6	7.4	7.3	1.2	3.2	2	3	822250	809837			
						1.0	0.2	96	24.9	8.2	8.2	26.3	26.3	103.6	103.6	7.4	7.3	1.3	3.2	3							
					Middle	4.7	0.1	104	24.8	24.8	8.2	8.2	28.0	28.0	100.9	100.9	7.1	7.1	3.6	3.2	3						
						4.7	0.1	104	24.8	24.8	8.2	8.2	28.0	28.0	100.9	100.9	7.1	7.1	3.6	3.2	2						
					Bottom	8.3	0.1	82	24.5	24.5	8.2	8.2	29.8	29.8	98.2	98.3	6.9	6.9	4.9	6.9	4						
						8.3	0.2	85	24.5	24.5	8.2	8.2	29.8	29.8	98.3	98.3	6.9	6.9	4.9	6.9	2						
IM11	Cloudy	Moderate	08:49	8.2	Surface	1.0	0.1	77	24.7	24.7	8.2	8.2	28.1	28.1	102.5	102.5	7.3	7.1	2.8	4.1	3	3	821492	810544			
						1.0	0.1	78	24.7	24.7	8.2	8.2	28.1	28.1	102.4	102.5	7.3	7.1	2.9	4.1	2						
					Middle	4.1	0.2	106	24.4	24.4	8.2	8.2	30.0	30.0	96.3	96.3	6.8	6.8	3.4	6.3	3						
						4.1	0.1	102	24.4	24.4	8.2	8.2	30.0	30.0	96.3	96.3	6.8	6.8	3.5	6.3	2						
					Bottom	7.2	0.1	75	24.0	24.0	8.2	8.2	32.2	32.2	89.8	89.9	6.3	6.3	5.9	6.3	3						
						7.2	0.1	80	24.0	24.0	8.2	8.2	32.2	32.2	89.9	89.9	6.3	6.3	5.9	6.3	3						
IM12	Cloudy	Moderate	08:37	8.0	Surface	1.0	0.2	87	24.7	24.7	8.2	8.2	28.3	28.3	101.8	101.8	7.2	6.9	3.5	4.5	3	2	821159	811519			
						1.0	0.2	79	24.7	24.7	8.2	8.2	28.4	28.3	101.8	101.8	7.2	6.9	3.5	4.5	2						
					Middle	4.0	0.1	78	24.3	24.3	8.2	8.2	30.8	30.8	94.2	94.2	6.6	6.6	4.7	6.1	3						
						4.0	0.0	82	24.3	24.3	8.2	8.2	30.7	30.8	94.1	94.2	6.6	6.6	4.7	6.1	2						
					Bottom	7.0	0.1	91	23.9	23.9	8.1	8.1	32.3	32.3	87.0	87.0	6.1	6.1	5.2	6.1	2						
						7.0	0.1	97	23.9	23.9	8.1	8.1	32.3	32.3	87.0	87.0	6.1	6.1	5.3	6.1	2						
SR1A	Cloudy	Calm	07:57	4.9	Surface	1.0	0.0	162	23.9	23.9	8.2	8.2	32.3	32.3	89.8	89.9	6.3	6.3	2.4	2.8	3	3	819975	812665			
						1.0	0.0	163	23.9	23.9	8.2	8.2	32.3	32.3	89.9	89.9	6.3	6.3	2.5	2.8	2						
					Middle	2.5	0.0	184	-	-	-	-	-	-	-	-	-	-	-	-	-				-	2.8	-
						2.5	0.1	180	-	-	-	-	-	-	-	-	-	-	-	-	-				-	2.8	-
					Bottom	3.9	0.0	174	23.9	23.9	8.1	8.1	32.5	32.5	88.5	88.6	6.2	6.2	3.1	6.2	3						
						3.9	-	169	23.9	23.9	8.1	8.1	32.5	32.5	88.6	88.6	6.2	6.2	3.1	6.2	3						
SR2	Cloudy	Moderate	07:42	5.2	Surface	1.0	0.1	62	24.1	24.1	8.2	8.2	32.3	32.3	100.8	100.8	7.0	7.0	2.8	3.2	2	3	821472	814144			
						1.0	0.1	66	24.1	24.1	8.2	8.2	32.3	32.3	100.8	100.8	7.0	7.0	2.8	3.2	3						
					Middle	-	0.1	75	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3.2	-
						-	0.1	75	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3.2	-
					Bottom	4.2	0.1	88	24.0	24.0	8.2	8.2	32.9	32.9	96.3	96.3	6.7	6.7	3.6	6.7	3						
						4.2	0.1	89	24.0	24.0	8.2	8.2	32.9	32.9	96.3	96.3	6.7	6.7	3.5	6.7	3						
SR3	Cloudy	Moderate	08:58	8.4	Surface	1.0	0.1	128	24.6	24.6	7.9	7.9	22.7	22.7	110.9	110.7	8.1	7.7	1.7	2.6	<2	2	822123	807564			
						1.0	0.1	126	24.6	24.6	8.0	8.0	22.7	22.7	110.4	110.4	8.1	7.7	1.8	2.6	<2						
					Middle	4.2	0.2	144	23.3	23.3	8.0	8.0	28.0	28.0	99.4	99.4	7.2	7.2	2.3	7.2	2						
						4.2	0.2	141	23.3	23.3	8.0	8.0	28.0	28.0	99.4	99.4	7.2	7.2	2.3	7.2	2						
					Bottom	7.4	0.1	130	23.3	23.3	8.0	8.0	28.7	28.7	99.9	99.9	7.2	7.2	3.7	7.2	3						
						7.4	0.2	127	23.3	23.3	8.0	8.0	28.7	28.7	99.9	99.9	7.2	7.2	3.6	7.2	2						
SR4A	Cloudy	Moderate	07:12	8.7	Surface	1.0	0.0	285	23.8	23.8	8.0	8.0	26.9	26.9	108.3	108.3	7.8	7.6	1.3	3.0	2	2	817168	807810			
						1.0	0.1	285	23.8	23.8	8.0	8.0	26.9	26.9	108.2	108.3	7.8	7.6	1.4	3.0	3						
					Middle	4.4	0.0	292	23.7	23.7	8.0	8.0	28.9	28.9	101.4	101.3	7.3	7.3	3.0	6.8	2						
						4.4	0.0	287	23.7	23.7	8.0	8.0	28.9	28.9	101.2	101.3	7.3	7.3	3.2	6.8	2						
					Bottom	7.7	0.1	294	23.3	23.3	7.9	7.9	29.9	29.9	94.0	94.0	6.8	6.8	4.8	6.8	2						
						7.7	0.1	294	23.3	23.3	7.9	7.9	29.9	29.9	94.0	94.0	6.8	6.8	4.3	6.8	2						
SR8	Cloudy	Calm	08:28	5.2	Surface	1.0	-	-	24.0	24.0	8.1	8.1	32.2	32.2	92.7	92.7	6.5	6.5	4.3	5.6	3	3	820390	811601			
						1.0	-	-	24.0	24.0	8.1	8.1	32.2	32.2	92.6	92.6	6.5	6.5	4.4	5.6	2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.6	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.6	-
					Bottom	4.2	-	-	23.9	23.9	8.1	8.1	32.4	32.4	88.7	88.8	6.2	6.2	6.8	6.2	6.8				4		
						4.2	-	-	23.9	23.9	8.1	8.1	32.4	32.4	88.9	88.9	6.2	6.2	6.8	6.2	6.8				3		

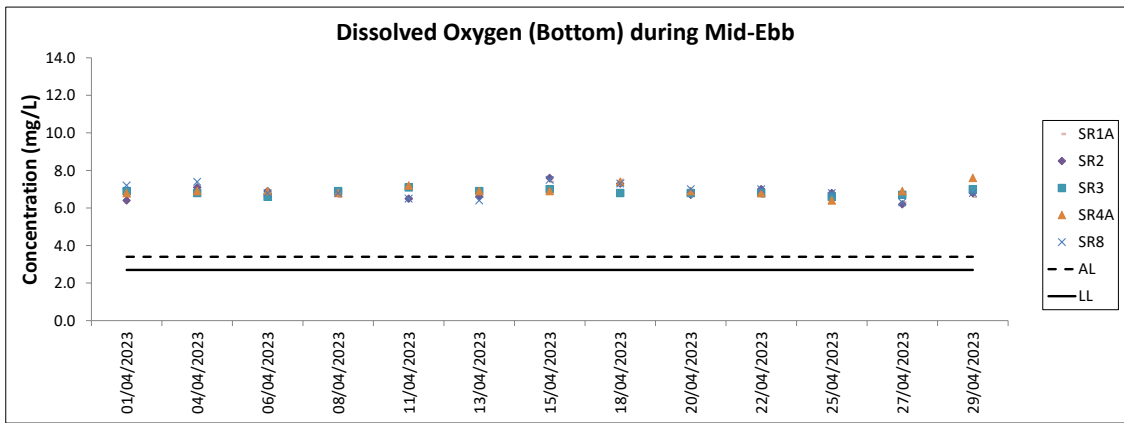
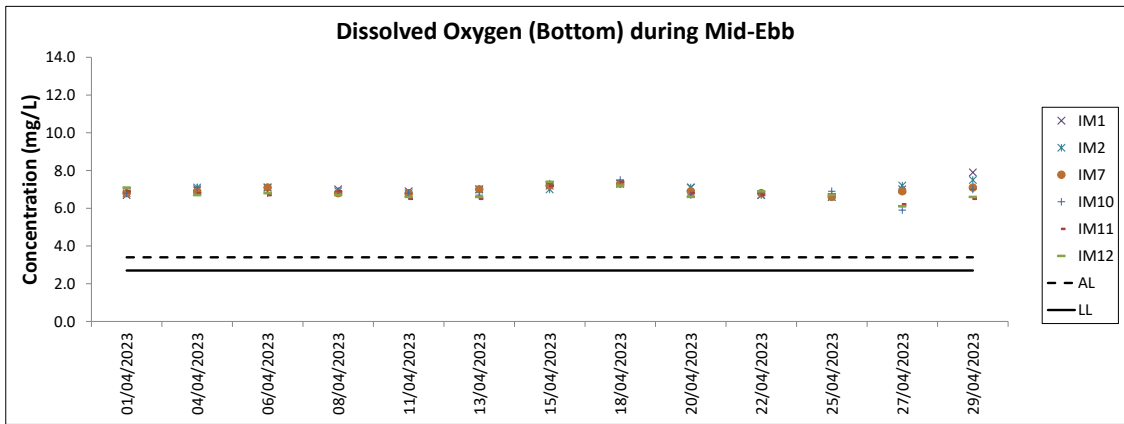
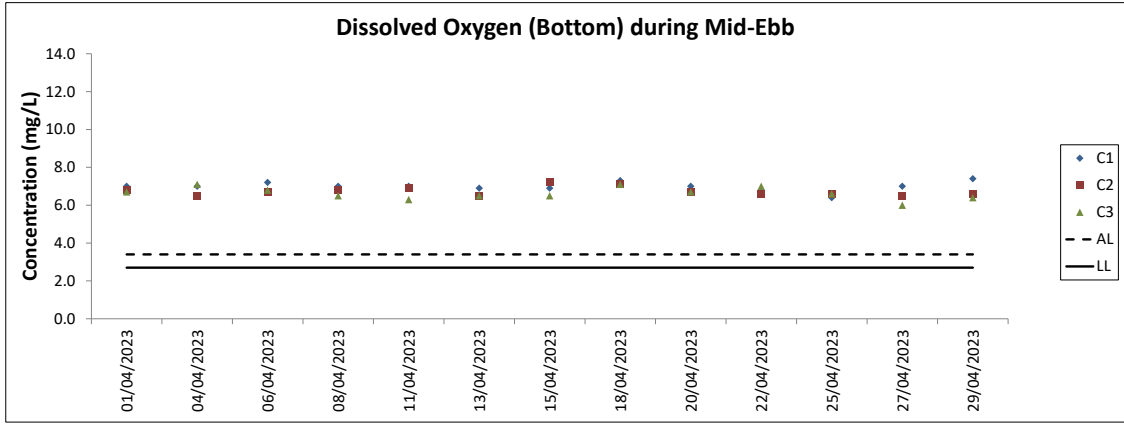
DA: Depth-Averaged

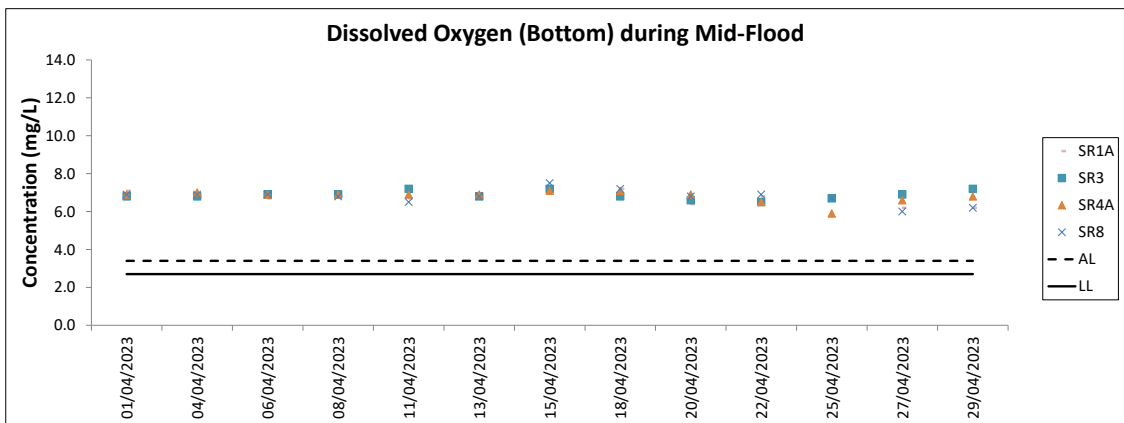
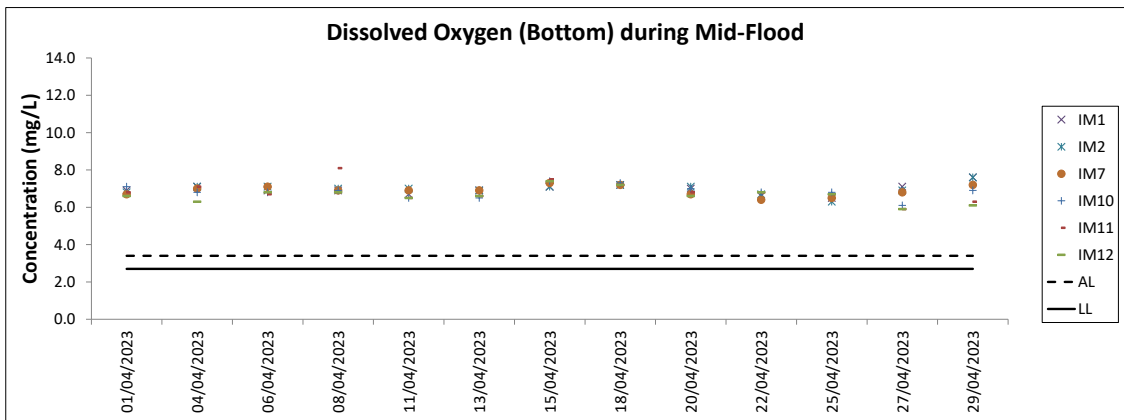
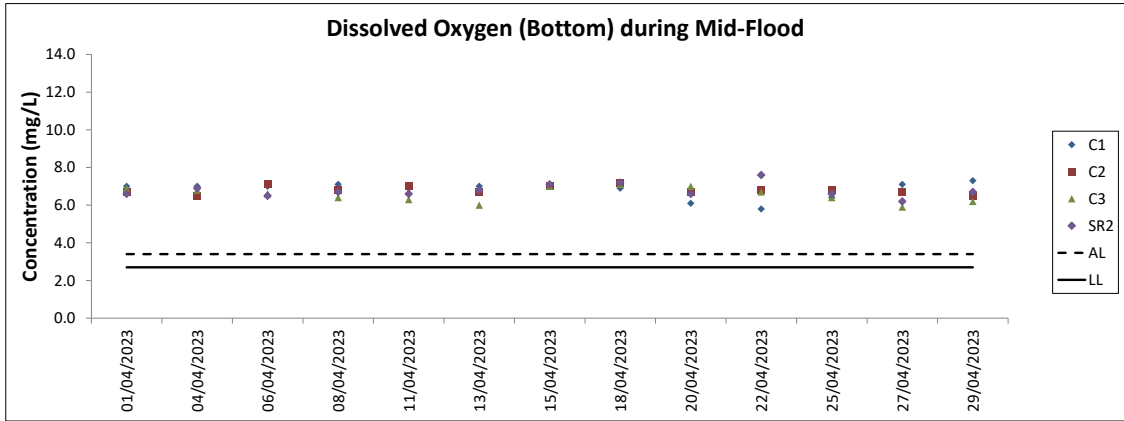
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

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

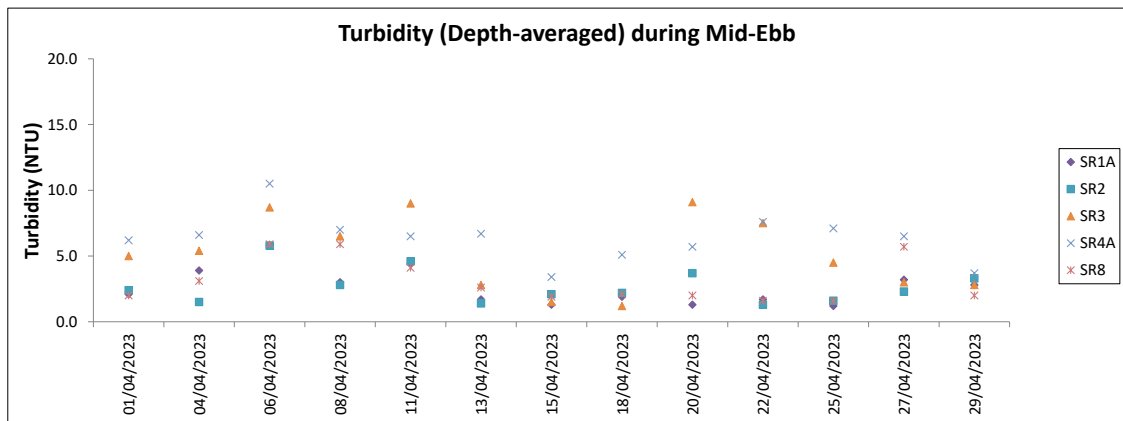
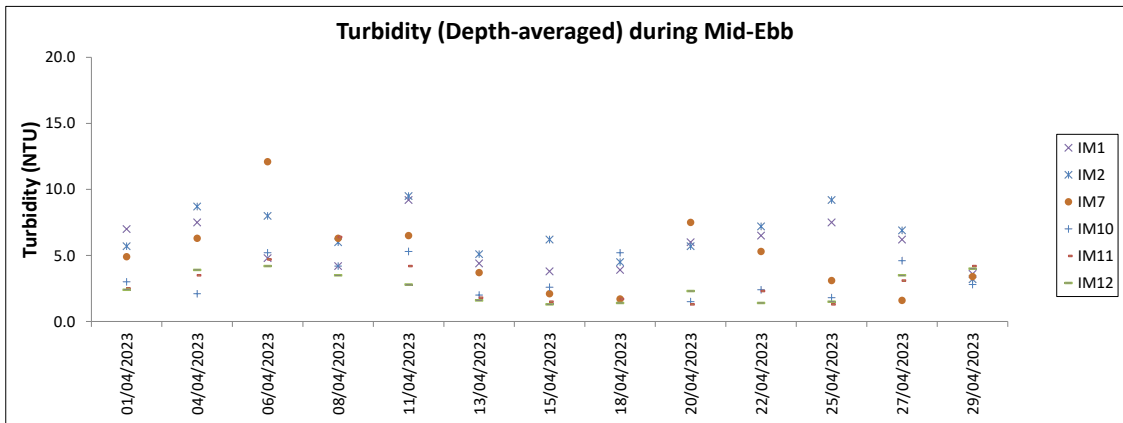
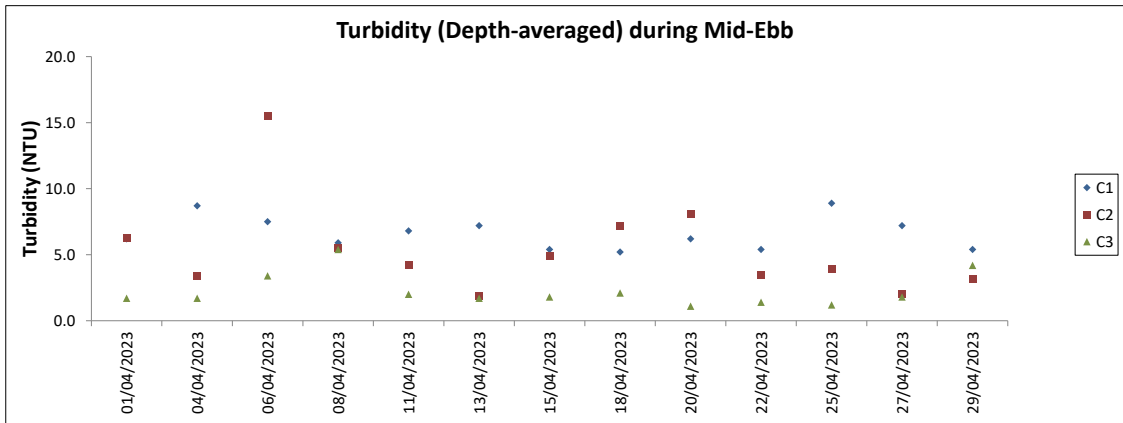




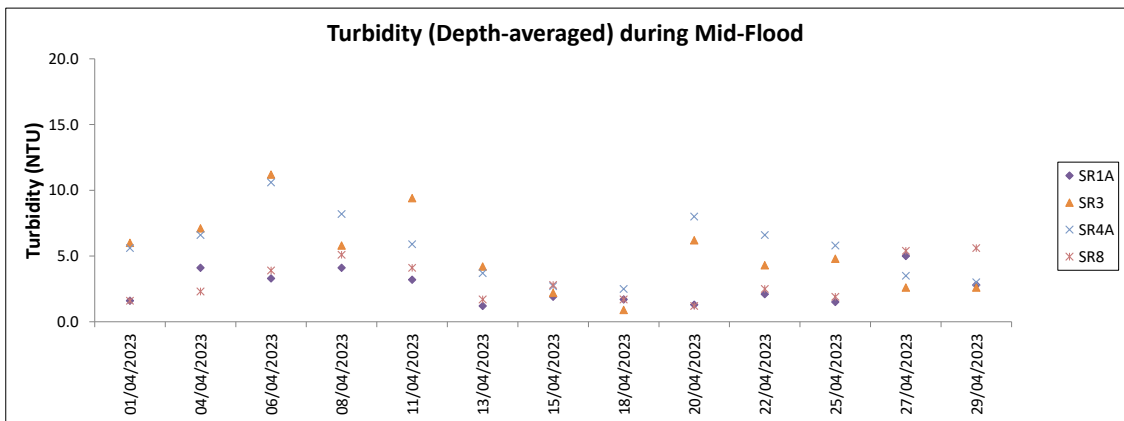
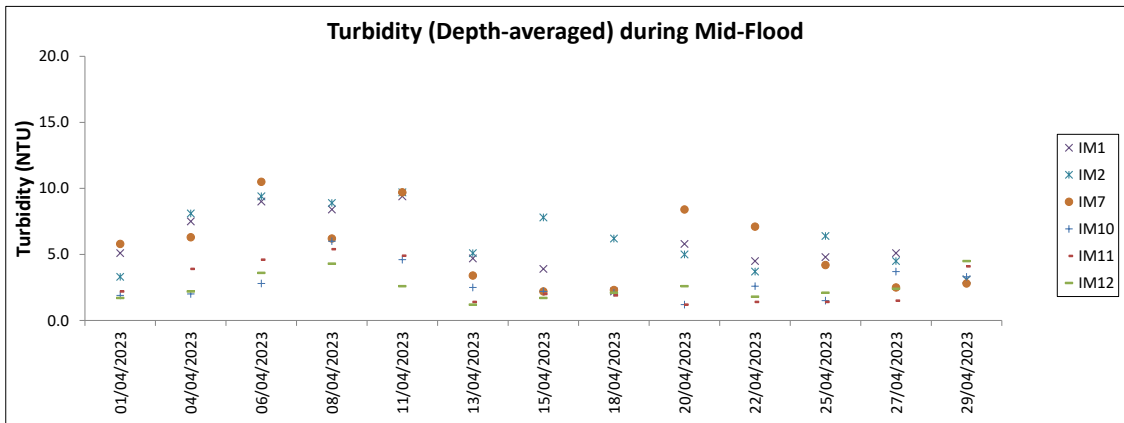
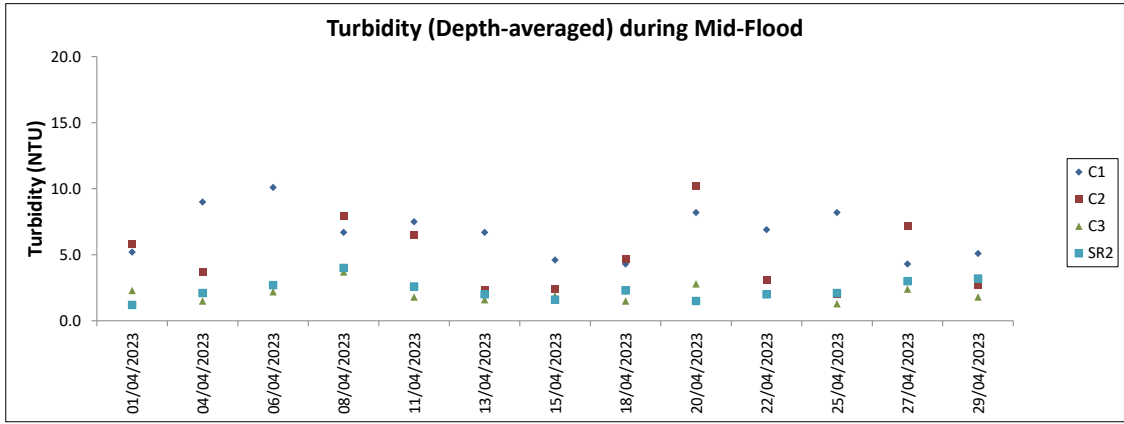




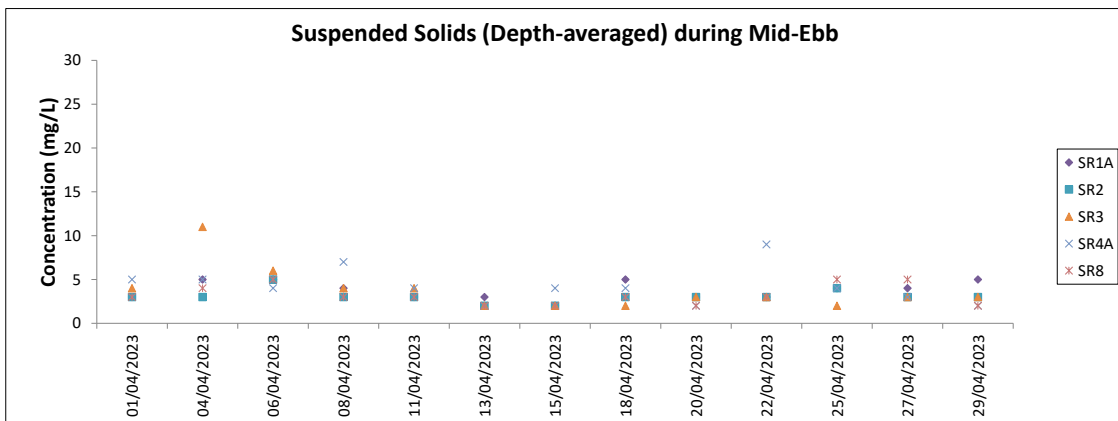
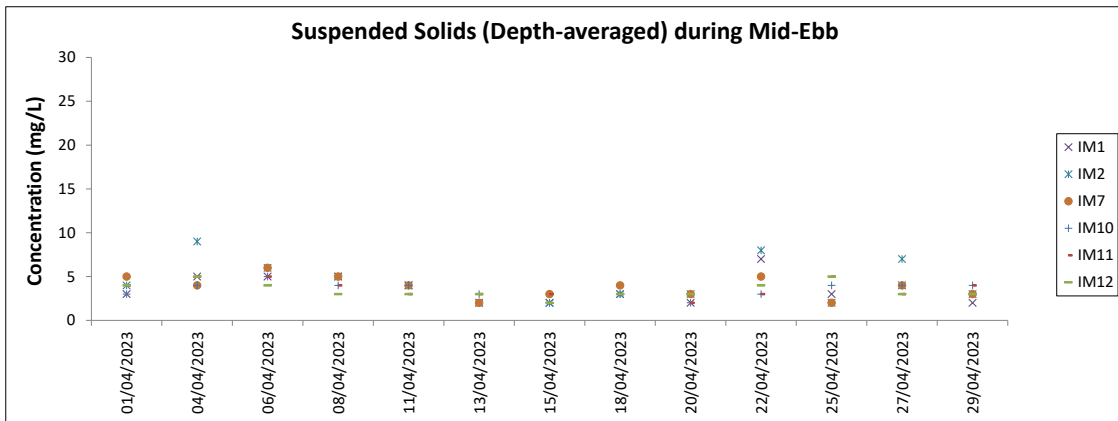
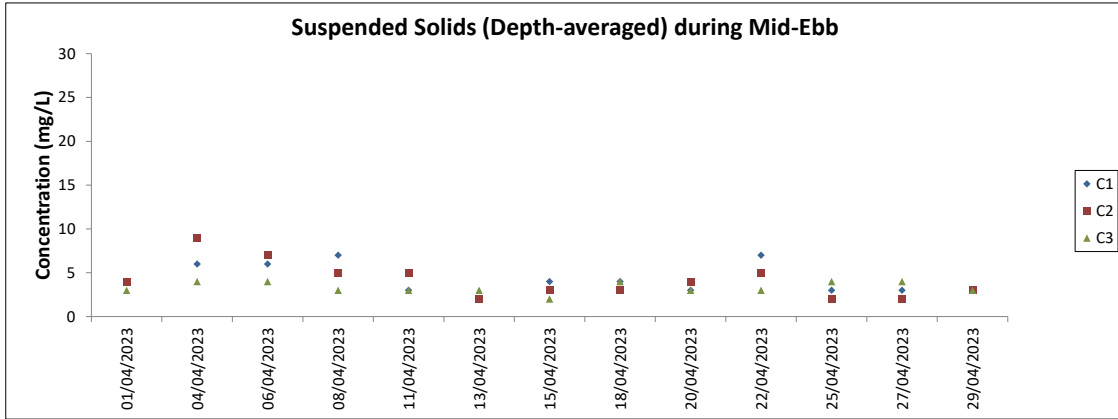




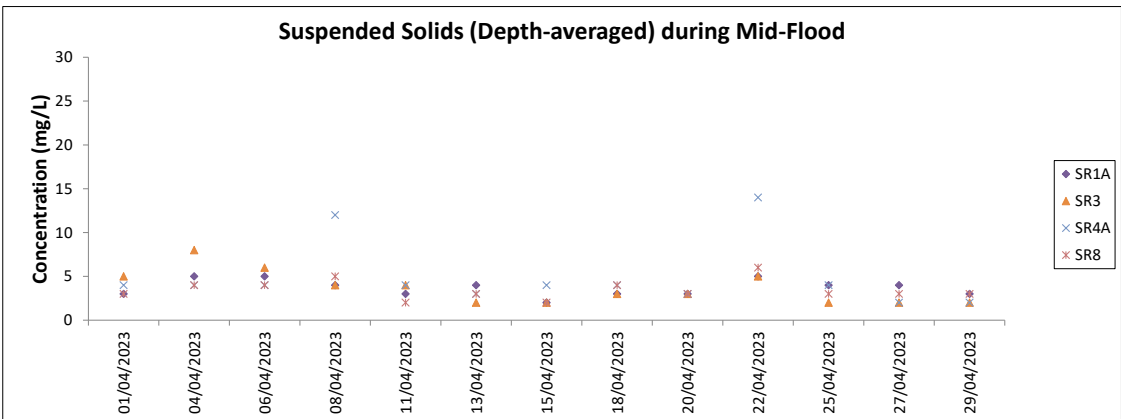
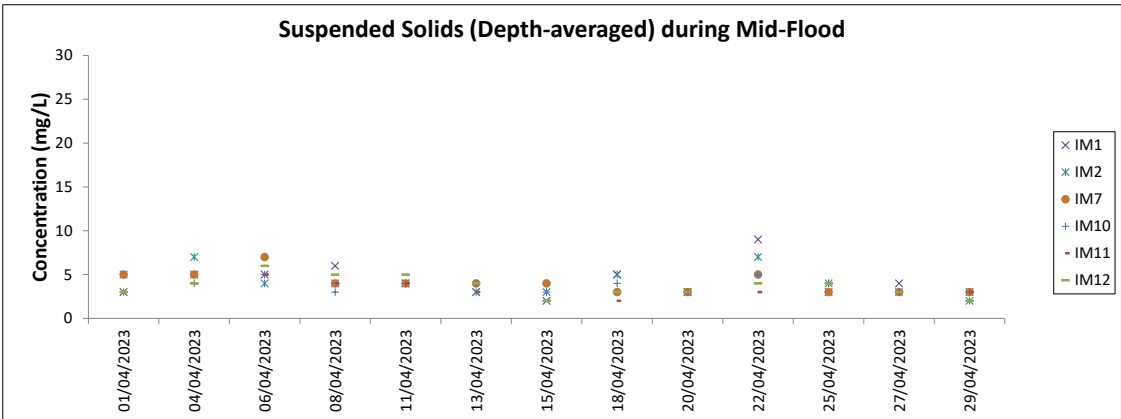
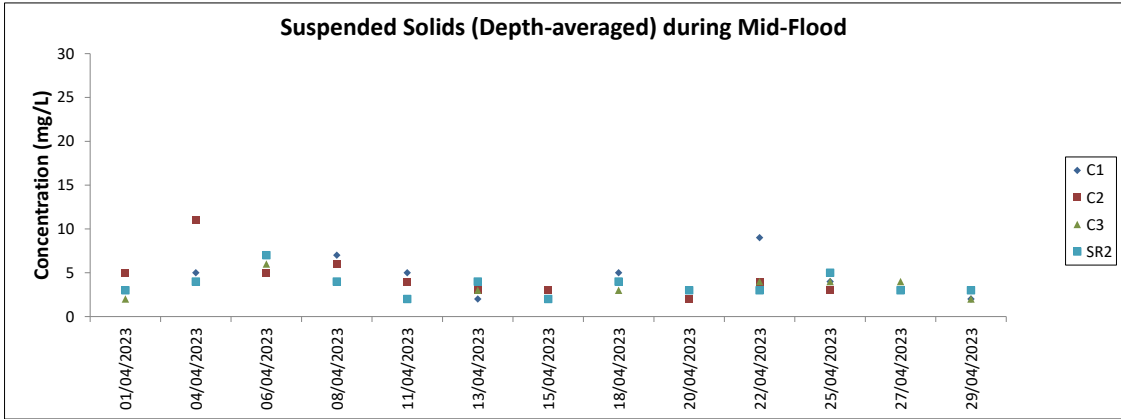
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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.

## **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
07-Feb-23	SWL	1	2.430	WINTER	32166	3RS ET	P
07-Feb-23	SWL	2	43.158	WINTER	32166	3RS ET	P
07-Feb-23	SWL	3	8.780	WINTER	32166	3RS ET	P
07-Feb-23	SWL	2	12.322	WINTER	32166	3RS ET	S
07-Feb-23	SWL	3	3.000	WINTER	32166	3RS ET	S
08-Feb-23	NEL	2	22.760	WINTER	32166	3RS ET	P
08-Feb-23	NEL	3	14.500	WINTER	32166	3RS ET	P
08-Feb-23	NEL	2	7.170	WINTER	32166	3RS ET	S
08-Feb-23	NEL	3	2.970	WINTER	32166	3RS ET	S
13-Feb-23	SWL	2	51.784	WINTER	32166	3RS ET	P
13-Feb-23	SWL	3	1.500	WINTER	32166	3RS ET	P
13-Feb-23	SWL	2	16.273	WINTER	32166	3RS ET	S
14-Feb-23	NEL	2	26.770	WINTER	32166	3RS ET	P
14-Feb-23	NEL	3	9.330	WINTER	32166	3RS ET	P
14-Feb-23	NEL	4	1.180	WINTER	32166	3RS ET	P
14-Feb-23	NEL	2	8.820	WINTER	32166	3RS ET	S
14-Feb-23	NEL	3	0.800	WINTER	32166	3RS ET	S
16-Feb-23	NWL	2	10.780	WINTER	32166	3RS ET	P
16-Feb-23	NWL	3	51.368	WINTER	32166	3RS ET	P
16-Feb-23	NWL	2	3.860	WINTER	32166	3RS ET	S
16-Feb-23	NWL	3	7.940	WINTER	32166	3RS ET	S
20-Feb-23	NWL	2	11.500	WINTER	32166	3RS ET	P
20-Feb-23	NWL	3	50.750	WINTER	32166	3RS ET	P
20-Feb-23	NWL	2	4.200	WINTER	32166	3RS ET	S
20-Feb-23	NWL	3	7.850	WINTER	32166	3RS ET	S
21-Feb-23	AW	2	4.700	WINTER	32166	3RS ET	P
21-Feb-23	WL	2	4.530	WINTER	32166	3RS ET	P
21-Feb-23	WL	3	12.181	WINTER	32166	3RS ET	P
21-Feb-23	WL	4	2.220	WINTER	32166	3RS ET	P
21-Feb-23	WL	5	0.370	WINTER	32166	3RS ET	P
21-Feb-23	WL	2	5.229	WINTER	32166	3RS ET	S
21-Feb-23	WL	3	1.159	WINTER	32166	3RS ET	S
21-Feb-23	WL	4	3.810	WINTER	32166	3RS ET	S
22-Feb-23	AW	3	3.970	WINTER	32166	3RS ET	P
22-Feb-23	WL	3	15.367	WINTER	32166	3RS ET	P
22-Feb-23	WL	4	1.380	WINTER	32166	3RS ET	P
22-Feb-23	WL	3	7.158	WINTER	32166	3RS ET	S
22-Feb-23	WL	4	2.670	WINTER	32166	3RS ET	S
01-Mar-23	AW	2	4.970	SPRING	32166	3RS ET	P
01-Mar-23	WL	2	11.695	SPRING	32166	3RS ET	P
01-Mar-23	WL	2	6.491	SPRING	32166	3RS ET	S
02-Mar-23	AW	2	1.190	SPRING	32166	3RS ET	P
02-Mar-23	AW	3	3.880	SPRING	32166	3RS ET	P
02-Mar-23	WL	2	3.848	SPRING	32166	3RS ET	P
02-Mar-23	WL	3	15.030	SPRING	32166	3RS ET	P
02-Mar-23	WL	4	1.200	SPRING	32166	3RS ET	P
02-Mar-23	WL	2	2.520	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
02-Mar-23	WL	3	6.430	SPRING	32166	3RS ET	S
02-Mar-23	WL	4	1.030	SPRING	32166	3RS ET	S
03-Mar-23	NWL	2	41.440	SPRING	32166	3RS ET	P
03-Mar-23	NWL	3	21.770	SPRING	32166	3RS ET	P
03-Mar-23	NWL	2	11.390	SPRING	32166	3RS ET	S
06-Mar-23	NEL	2	5.820	SPRING	32166	3RS ET	P
06-Mar-23	NEL	3	31.280	SPRING	32166	3RS ET	P
06-Mar-23	NEL	2	3.950	SPRING	32166	3RS ET	S
06-Mar-23	NEL	3	5.650	SPRING	32166	3RS ET	S
07-Mar-23	NWL	2	38.700	SPRING	32166	3RS ET	P
07-Mar-23	NWL	3	23.095	SPRING	32166	3RS ET	P
07-Mar-23	NWL	2	5.645	SPRING	32166	3RS ET	S
07-Mar-23	NWL	3	4.860	SPRING	32166	3RS ET	S
09-Mar-23	SWL	2	53.106	SPRING	32166	3RS ET	P
09-Mar-23	SWL	2	15.716	SPRING	32166	3RS ET	S
10-Mar-23	SWL	2	6.340	SPRING	32166	3RS ET	P
10-Mar-23	SWL	3	36.560	SPRING	32166	3RS ET	P
10-Mar-23	SWL	4	10.900	SPRING	32166	3RS ET	P
10-Mar-23	SWL	2	0.800	SPRING	32166	3RS ET	S
10-Mar-23	SWL	3	11.640	SPRING	32166	3RS ET	S
10-Mar-23	SWL	4	4.000	SPRING	32166	3RS ET	S
13-Mar-23	NEL	2	36.470	SPRING	32166	3RS ET	P
13-Mar-23	NEL	2	10.830	SPRING	32166	3RS ET	S
11-Apr-23	NEL	2	26.630	SPRING	32167	3RS ET	P
11-Apr-23	NEL	3	10.200	SPRING	32166	3RS ET	P
11-Apr-23	NEL	2	7.570	SPRING	32166	3RS ET	S
11-Apr-23	NEL	3	2.300	SPRING	32166	3RS ET	S
12-Apr-23	SWL	1	22.368	SPRING	32166	3RS ET	P
12-Apr-23	SWL	2	30.970	SPRING	32166	3RS ET	P
12-Apr-23	SWL	1	10.270	SPRING	32166	3RS ET	S
12-Apr-23	SWL	2	5.460	SPRING	32166	3RS ET	S
13-Apr-23	WL	2	10.107	SPRING	32166	3RS ET	P
13-Apr-23	WL	3	8.141	SPRING	32166	3RS ET	P
13-Apr-23	WL	2	4.103	SPRING	32166	3RS ET	S
13-Apr-23	WL	3	6.578	SPRING	32166	3RS ET	S
13-Apr-23	AW	3	4.900	SPRING	32166	3RS ET	P
14-Apr-23	SWL	2	44.965	SPRING	32166	3RS ET	P
14-Apr-23	SWL	3	9.510	SPRING	32166	3RS ET	P
14-Apr-23	SWL	2	13.425	SPRING	32166	3RS ET	S
14-Apr-23	SWL	3	2.000	SPRING	32166	3RS ET	S
18-Apr-23	AW	3	4.720	SPRING	32166	3RS ET	P
18-Apr-23	WL	3	19.170	SPRING	32166	3RS ET	P
18-Apr-23	WL	3	10.170	SPRING	32166	3RS ET	S
19-Apr-23	NEL	3	25.790	SPRING	32166	3RS ET	P
19-Apr-23	NEL	3	8.980	SPRING	32166	3RS ET	S
20-Apr-23	NWL	2	61.800	SPRING	32166	3RS ET	P
20-Apr-23	NWL	2	13.600	SPRING	32166	3RS ET	S
21-Apr-23	NWL	3	41.400	SPRING	32166	3RS ET	P
21-Apr-23	NWL	3	9.300	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Apr-23	NEL	2	26.630	SPRING	32167	3RS ET	P
11-Apr-23	NEL	3	10.200	SPRING	32166	3RS ET	P
11-Apr-23	NEL	2	7.570	SPRING	32166	3RS ET	S
11-Apr-23	NEL	3	2.300	SPRING	32166	3RS ET	S
12-Apr-23	SWL	1	22.368	SPRING	32166	3RS ET	P
12-Apr-23	SWL	2	30.970	SPRING	32166	3RS ET	P
12-Apr-23	SWL	1	10.270	SPRING	32166	3RS ET	S
12-Apr-23	SWL	2	5.460	SPRING	32166	3RS ET	S
13-Apr-23	WL	2	10.107	SPRING	32166	3RS ET	P
13-Apr-23	WL	3	8.141	SPRING	32166	3RS ET	P
13-Apr-23	WL	2	4.103	SPRING	32166	3RS ET	S
13-Apr-23	WL	3	6.578	SPRING	32166	3RS ET	S
13-Apr-23	AW	3	4.900	SPRING	32166	3RS ET	P
14-Apr-23	SWL	2	44.965	SPRING	32166	3RS ET	P
14-Apr-23	SWL	3	9.510	SPRING	32166	3RS ET	P
14-Apr-23	SWL	2	13.425	SPRING	32166	3RS ET	S
14-Apr-23	SWL	3	2.000	SPRING	32166	3RS ET	S
18-Apr-23	AW	3	4.720	SPRING	32166	3RS ET	P
18-Apr-23	WL	3	19.170	SPRING	32166	3RS ET	P
18-Apr-23	WL	3	10.170	SPRING	32166	3RS ET	S
19-Apr-23	NEL	3	25.790	SPRING	32166	3RS ET	P
19-Apr-23	NEL	3	8.980	SPRING	32166	3RS ET	S
20-Apr-23	NWL	2	61.800	SPRING	32166	3RS ET	P
20-Apr-23	NWL	2	13.600	SPRING	32166	3RS ET	S
21-Apr-23	NWL	3	41.400	SPRING	32166	3RS ET	P
21-Apr-23	NWL	3	9.300	SPRING	32166	3RS ET	S

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



## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
07-Feb-23	1	1109	FP	3	SWL	2	143	ON	3RS ET	22.1557	113.9258	WINTER	NONE	P
07-Feb-23	2	1200	FP	3	SWL	2	76	ON	3RS ET	22.1520	113.9175	WINTER	NONE	P
07-Feb-23	3	1209	FP	7	SWL	2	47	ON	3RS ET	22.1418	113.9107	WINTER	NONE	S
07-Feb-23	4	1232	FP	2	SWL	2	64	ON	3RS ET	22.1770	113.9058	WINTER	NONE	P
07-Feb-23	5	1258	FP	6	SWL	2	39	ON	3RS ET	22.1976	113.8973	WINTER	NONE	P
07-Feb-23	6	1307	FP	1	SWL	2	380	ON	3RS ET	22.1823	113.8972	WINTER	NONE	P
13-Feb-23	1	1034	FP	1	SWL	2	14	ON	3RS ET	22.1841	113.9358	WINTER	NONE	P
13-Feb-23	2	1036	FP	5	SWL	2	10	ON	3RS ET	22.1815	113.9359	WINTER	NONE	P
13-Feb-23	3	1254	FP	2	SWL	2	74	ON	3RS ET	22.1731	113.8965	WINTER	NONE	P
13-Feb-23	4	1321	FP	1	SWL	2	109	ON	3RS ET	22.1754	113.8879	WINTER	NONE	P
13-Feb-23	5	1335	FP	2	SWL	2	60	ON	3RS ET	22.2072	113.8878	WINTER	NONE	P
13-Feb-23	6	1417	FP	2	SWL	2	17	ON	3RS ET	22.1751	113.8690	WINTER	NONE	P
16-Feb-23	1	1036	CWD	16	NWL	3	38	ON	3RS ET	22.2750	113.8697	WINTER	NONE	P
16-Feb-23	2	1151	CWD	2	NWL	3	56	ON	3RS ET	22.3604	113.8777	WINTER	NONE	P
16-Feb-23	3	1202	CWD	7	NWL	3	87	ON	3RS ET	22.3668	113.8776	WINTER	NONE	P
16-Feb-23	4	1325	CWD	2	NWL	3	129	ON	3RS ET	22.3496	113.8975	WINTER	NONE	P
20-Feb-23	1	1118	CWD	2	NWL	3	120	ON	3RS ET	22.3748	113.8775	WINTER	NONE	P
21-Feb-23	1	1020	CWD	4	WL	3	52	ON	3RS ET	22.2804	113.8611	WINTER	NONE	P
21-Feb-23	2	1027	CWD	1	WL	3	109	ON	3RS ET	22.2780	113.8581	WINTER	NONE	P
21-Feb-23	3	1036	CWD	3	WL	3	493	ON	3RS ET	22.2724	113.8478	WINTER	NONE	S
21-Feb-23	4	1126	CWD	2	WL	2	37	ON	3RS ET	22.2319	113.8284	WINTER	NONE	P
21-Feb-23	5	1206	CWD	1	WL	3	97	ON	3RS ET	22.2055	113.8383	WINTER	NONE	P
22-Feb-23	1	0941	CWD	3	AW	3	42	ON	3RS ET	22.2947	113.8799	WINTER	NONE	P
22-Feb-23	2	1031	CWD	3	WL	3	284	ON	3RS ET	22.2693	113.8469	WINTER	NONE	P
22-Feb-23	3	1050	CWD	3	WL	3	48	ON	3RS ET	22.2599	113.8395	WINTER	NONE	P
22-Feb-23	4	1125	CWD	2	WL	3	70	ON	3RS ET	22.2443	113.8493	WINTER	NONE	S
22-Feb-23	5	1137	CWD	1	WL	3	217	ON	3RS ET	22.2420	113.8461	WINTER	NONE	P
22-Feb-23	6	1150	CWD	4	WL	3	313	ON	3RS ET	22.2415	113.8352	WINTER	NONE	P
22-Feb-23	7	1206	CWD	7	WL	3	270	ON	3RS ET	22.2316	113.8277	WINTER	NONE	P
22-Feb-23	8	1221	CWD	2	WL	3	29	ON	3RS ET	22.2236	113.8368	WINTER	PURSE SEINER	S
22-Feb-23	9	1236	CWD	3	WL	3	361	ON	3RS ET	22.2230	113.8298	WINTER	NONE	P
22-Feb-23	10	1308	CWD	4	WL	3	55	ON	3RS ET	22.2054	113.8381	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
01-Mar-23	1	1116	CWD	1	AW	2	384	ON	3RS ET	22.3020	113.8820	SPRING	NONE	P
01-Mar-23	2	1202	CWD	7	WL	2	79	ON	3RS ET	22.2721	113.8461	SPRING	NONE	P
01-Mar-23	3	1258	CWD	2	WL	2	852	ON	3RS ET	22.2537	113.8347	SPRING	NONE	S
01-Mar-23	4	1315	CWD	6	WL	2	569	ON	3RS ET	22.2422	113.8338	SPRING	NONE	P
01-Mar-23	5	1343	CWD	7	WL	2	84	ON	3RS ET	22.2280	113.8379	SPRING	NONE	S
01-Mar-23	6	1420	CWD	7	WL	2	249	ON	3RS ET	22.2056	113.8281	SPRING	NONE	P
01-Mar-23	7	1447	CWD	3	WL	2	345	ON	3RS ET	22.1962	113.8339	SPRING	NONE	P
02-Mar-23	1	1039	CWD	6	WL	2	116	ON	3RS ET	22.2294	113.8379	SPRING	NONE	S
02-Mar-23	2	1051	CWD	14	WL	2	296	ON	3RS ET	22.2234	113.8338	SPRING	NONE	P
02-Mar-23	3	1153	CWD	7	WL	3	156	ON	3RS ET	22.1960	113.8395	SPRING	NONE	P
03-Mar-23	1	1050	CWD	5	NWL	3	167	ON	3RS ET	22.2804	113.8782	SPRING	NONE	P
07-Mar-23	1	1034	CWD	1	NWL	3	597	ON	3RS ET	22.2792	113.8700	SPRING	NONE	P
07-Mar-23	2	1140	CWD	1	NWL	2	122	ON	3RS ET	22.4001	113.8778	SPRING	NONE	P
09-Mar-23	1	1036	CWD	1	SWL	2	701	ON	3RS ET	22.2231	113.9365	SPRING	NONE	P
09-Mar-23	2	1112	FP	1	SWL	2	138	ON	3RS ET	22.1655	113.9358	SPRING	NONE	P
09-Mar-23	3	1116	FP	1	SWL	2	21	ON	3RS ET	22.1619	113.9356	SPRING	NONE	P
09-Mar-23	4	1121	FP	1	SWL	2	8	ON	3RS ET	22.1544	113.9359	SPRING	NONE	P
09-Mar-23	5	1124	FP	1	SWL	2	6	ON	3RS ET	22.1526	113.9363	SPRING	NONE	P
09-Mar-23	6	1232	FP	2	SWL	2	252	ON	3RS ET	22.1416	113.9120	SPRING	NONE	S
09-Mar-23	7	1259	FP	1	SWL	2	122	ON	3RS ET	22.1798	113.9040	SPRING	NONE	S
09-Mar-23	8	1345	FP	1	SWL	2	74	ON	3RS ET	22.1521	113.8976	SPRING	NONE	P
09-Mar-23	9	1513	CWD	5	SWL	2	389	ON	3RS ET	22.1930	113.8593	SPRING	NONE	P
10-Mar-23	1	1416	FP	2	SWL	2	29	ON	3RS ET	22.1643	113.8681	SPRING	NONE	P
10-Mar-23	2	1438	CWD	2	SWL	3	211	ON	3RS ET	22.1951	113.8583	SPRING	NONE	P
12-Apr-23	1	1042	FP	5	SWL	2	366	ON	3RS ET	22.1836	113.9358	SPRING	NONE	P
12-Apr-23	2	1047	FP	1	SWL	2	20	ON	3RS ET	22.1789	113.9355	SPRING	NONE	P
12-Apr-23	3	1050	FP	2	SWL	1	205	ON	3RS ET	22.1732	113.9358	SPRING	NONE	P
12-Apr-23	4	1055	FP	4	SWL	1	95	ON	3RS ET	22.1660	113.9362	SPRING	NONE	P
12-Apr-23	5	1100	FP	4	SWL	1	47	ON	3RS ET	22.1591	113.9364	SPRING	NONE	P
12-Apr-23	6	1103	FP	1	SWL	1	78	ON	3RS ET	22.1554	113.9362	SPRING	NONE	P
12-Apr-23	7	1109	FP	2	SWL	1	149	ON	3RS ET	22.1469	113.9315	SPRING	NONE	S
12-Apr-23	8	1119	FP	1	SWL	1	22	ON	3RS ET	22.1586	113.9276	SPRING	NONE	P
12-Apr-23	9	1124	FP	4	SWL	1	54	ON	3RS ET	22.1661	113.9276	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
12-Apr-23	10	1218	FP	1	SWL	1	157	ON	3RS ET	22.1444	113.9080	SPRING	NONE	P
12-Apr-23	11	1226	FP	4	SWL	1	205	ON	3RS ET	22.1563	113.9008	SPRING	NONE	S
12-Apr-23	12	1311	FP	3	SWL	1	53	ON	3RS ET	22.1824	113.8971	SPRING	NONE	P
13-Apr-23	1	1057	CWD	10	WL	3	623	ON	3RS ET	22.2416	113.8409	SPRING	PURSE SEINER	P
13-Apr-23	2	1127	CWD	9	WL	2	11	ON	3RS ET	22.2324	113.8294	SPRING	PURSE SEINER	P
13-Apr-23	3	1146	CWD	2	WL	2	268	ON	3RS ET	22.2237	113.8286	SPRING	NONE	P
13-Apr-23	4	1156	CWD	3	WL	3	11	ON	3RS ET	22.2188	113.8195	SPRING	NONE	S
13-Apr-23	5	1213	CWD	8	WL	3	355	ON	3RS ET	22.2148	113.8322	SPRING	NONE	P
14-Apr-23	1	1400	FP	1	SWL	2	9	ON	3RS ET	22.1593	113.8730	SPRING	NONE	S
18-Apr-23	1	1049	CWD	7	WL	3	26	ON	3RS ET	22.2459	113.8496	SPRING	NONE	S
18-Apr-23	2	1148	CWD	3	WL	3	296	ON	3RS ET	22.2141	113.8340	SPRING	NONE	P
18-Apr-23	3	1226	CWD	4	WL	3	282	ON	3RS ET	22.1962	113.8412	SPRING	NONE	P

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

Notes:

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

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

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

A total of 414.427 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 8 on-effort sightings and total number of 46 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in April 2023 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in April 2023

$$STG = \frac{8}{414.427} \times 100 = 1.93$$

Encounter Rate by Number of Dolphins (ANI) in April 2023

$$ANI = \frac{46}{414.427} \times 100 = 11.10$$

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

A total of 1270.452 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 44 on-effort sightings and total number of 193 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)









$$STG = \frac{44}{1270.452} \times 100 = 3.46$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{193}{1270.452} \times 100 = 15.19$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM020_20230413_1_15	NLMM021_20230413_1_8
	
NLMM027_20230413_1_3	SLMM037_20230413_1_8
	
SLMM044_20230413_1_6	WLMM043_20230413_1_2
	
WLMM056_20230413_1_4	WLMM114_20230413_1_10



	
NLMM020_20230413_2_5	SLMM037_20230413_2_5
	
SLMM044_20230413_2_1	SLMM049_20230413_2_1
	
WLMM056_20230413_2_2	WLMM063_20230413_4_1
	
WLMM067_20230413_4_5	SLMM003_20230413_5_2



SLMM007\_20230413\_5\_15



SLMM052\_20230413\_5\_2



SLMM073\_20230413\_5\_5



WLMM079\_20230413\_5\_11



SLMM007\_20230418\_1\_1



WLMM063\_20230418\_1\_5






WLMM079\_20230418\_1\_7



SLMM003\_20230418\_2\_6



	
<p>SLMM010_20230418_3_1</p>	<p>SLMM014_20230418_3_8</p>
	
<p>SLMM031_20230418_3_3</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>
24/Apr/23	Lung Kwu Chau	8:51	14:51	6:00	2-3	2-3	0	NA
25/Apr/23	Sha Chau	10:45	16:45	6:00	3	4	0	NA

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