

## **Appendix C. Monitoring Results**

# **Air Quality Monitoring Results**

**1-hour TSP Results**

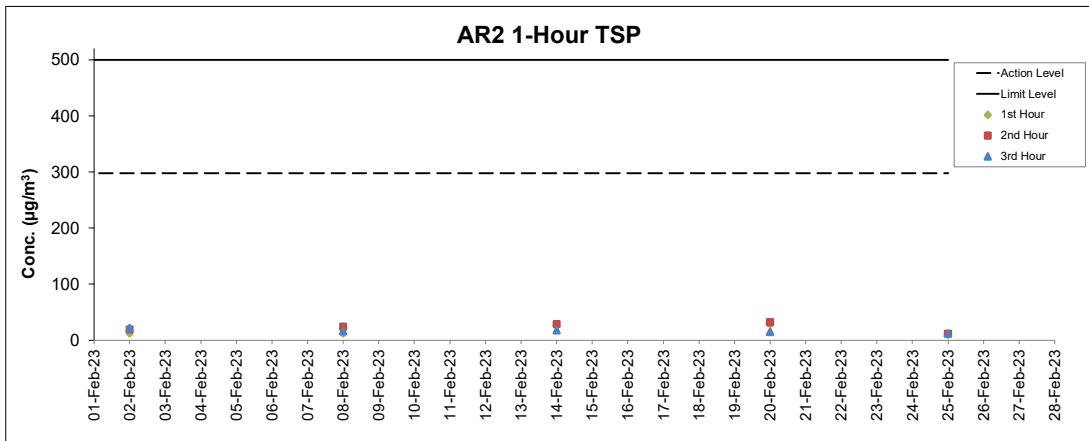
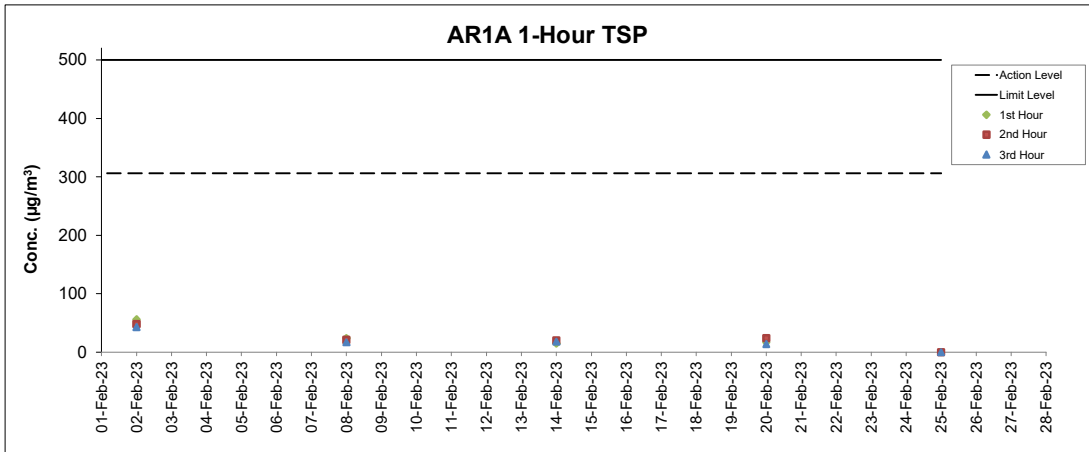
**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
2-Feb-23	8:12	Cloudy	1.9	235	18	306	500
2-Feb-23	9:12	Cloudy	1.4	Variable	20	306	500
2-Feb-23	10:12	Cloudy	4.7	57	14	306	500
8-Feb-23	14:54	Cloudy	6.1	79	56	306	500
8-Feb-23	15:54	Cloudy	5.8	78	48	306	500
8-Feb-23	16:54	Cloudy	4.7	93	43	306	500
14-Feb-23	8:17	Sunny	4.7	39	24	306	500
14-Feb-23	9:17	Sunny	4.4	7	21	306	500
14-Feb-23	10:17	Sunny	4.7	45	17	306	500
20-Feb-23	8:21	Sunny	1.1	191	15	306	500
20-Feb-23	9:21	Sunny	2.2	56	20	306	500
20-Feb-23	10:21	Sunny	1.4	38	18	306	500
25-Feb-23	8:15	Sunny	4.4	33	17	306	500
25-Feb-23	9:15	Sunny	4.2	24	24	306	500
25-Feb-23	10:15	Sunny	6.9	40	14	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 ( $\mu\text{g}/\text{m}^3$ )
2-Feb-23	12:34	Cloudy	9.4	95	12	298	500
2-Feb-23	13:34	Cloudy	10.0	100	19	298	500
2-Feb-23	14:34	Cloudy	10.6	97	22	298	500
8-Feb-23	15:11	Cloudy	5.3	79	12	298	500
8-Feb-23	16:11	Cloudy	5.8	75	24	298	500
8-Feb-23	17:11	Cloudy	4.7	89	16	298	500
14-Feb-23	13:00	Sunny	5.6	349	26	298	500
14-Feb-23	14:00	Sunny	4.2	321	29	298	500
14-Feb-23	15:00	Sunny	6.1	319	18	298	500
20-Feb-23	12:31	Sunny	3.6	255	29	298	500
20-Feb-23	13:31	Sunny	4.4	249	32	298	500
20-Feb-23	14:31	Sunny	3.9	252	15	298	500
25-Feb-23	13:36	Sunny	5.8	324	10	298	500
25-Feb-23	14:36	Sunny	5.3	346	12	298	500
25-Feb-23	15:36	Sunny	5.0	350	12	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)	
2-Feb-23	Cloudy	9:13	63.7	59.6	65
2-Feb-23	Cloudy	9:18	63.6	60.4	
2-Feb-23	Cloudy	9:23	62.9	59.4	
2-Feb-23	Cloudy	9:28	62.4	58.9	
2-Feb-23	Cloudy	9:33	62.6	59.5	
2-Feb-23	Cloudy	9:38	63.8	59.4	
8-Feb-23	Cloudy	14:53	61.2	51.7	60
8-Feb-23	Cloudy	14:58	60.0	52.6	
8-Feb-23	Cloudy	15:03	60.4	53.0	
8-Feb-23	Cloudy	15:08	59.5	53.1	
8-Feb-23	Cloudy	15:13	59.1	53.3	
8-Feb-23	Cloudy	15:18	57.2	51.2	
14-Feb-23	Sunny	8:19	71.3	69.8	73
14-Feb-23	Sunny	8:24	70.8	69.6	
14-Feb-23	Sunny	8:29	71.4	69.7	
14-Feb-23	Sunny	8:34	70.9	69.7	
14-Feb-23	Sunny	8:39	71.4	69.8	
14-Feb-23	Sunny	8:44	70.7	69.5	
20-Feb-23	Sunny	9:22	62.2	58.2	64
20-Feb-23	Sunny	9:27	62.1	58.3	
20-Feb-23	Sunny	9:32	62.9	58.1	
20-Feb-23	Sunny	9:37	62.3	58.1	
20-Feb-23	Sunny	9:42	62.5	58.6	
20-Feb-23	Sunny	9:47	62.2	58.3	

Remarks:

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

## Noise Measurement Results

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

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
3-Feb-23	Sunny	11:15	61.8	57.5	64
3-Feb-23	Sunny	11:20	60.5	57.0	
3-Feb-23	Sunny	11:25	61.3	57.2	
3-Feb-23	Sunny	11:30	62.7	58.0	
3-Feb-23	Sunny	11:35	61.4	57.6	
3-Feb-23	Sunny	11:40	62.1	57.8	
9-Feb-23	Sunny	13:55	68.6	60.9	60*
9-Feb-23	Sunny	14:00	69.1	60.7	
9-Feb-23	Sunny	14:05	68.0	60.2	
9-Feb-23	Sunny	14:10	67.2	62.4	
9-Feb-23	Sunny	14:15	63.9	58.3	
9-Feb-23	Sunny	14:20	64.5	59.2	
16-Feb-23	Sunny	13:18	69.1	58.9	65
16-Feb-23	Sunny	13:23	62.4	58.1	
16-Feb-23	Sunny	13:28	60.6	56.9	
16-Feb-23	Sunny	13:33	60.6	57.3	
16-Feb-23	Sunny	13:38	63.4	58.2	
16-Feb-23	Sunny	13:43	61.1	57.6	
23-Feb-23	Sunny	13:02	63.7	59.7	60*
23-Feb-23	Sunny	13:07	70.5	59.7	
23-Feb-23	Sunny	13:12	62.4	59.4	
23-Feb-23	Sunny	13:17	64.2	59.6	
23-Feb-23	Sunny	13:22	62.2	58.8	
23-Feb-23	Sunny	13:27	63.2	58.7	

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)	
2-Feb-23	Cloudy	11:42	56.6	51.6	58
2-Feb-23	Cloudy	11:47	57.3	50.8	
2-Feb-23	Cloudy	11:52	56.3	51.7	
2-Feb-23	Cloudy	11:57	55.6	51.5	
2-Feb-23	Cloudy	12:02	56.1	50.9	
2-Feb-23	Cloudy	12:07	57.6	51.5	
8-Feb-23	Cloudy	15:36	57.6	52.2	61*
8-Feb-23	Cloudy	15:41	56.6	52.7	
8-Feb-23	Cloudy	15:46	56.6	52.2	
8-Feb-23	Cloudy	15:51	61.5	52.7	
8-Feb-23	Cloudy	15:56	61.8	60.6	
8-Feb-23	Cloudy	16:01	61.8	54.2	
14-Feb-23	Sunny	12:16	60.2	55.0	59*
14-Feb-23	Sunny	12:21	61.3	54.9	
14-Feb-23	Sunny	12:26	61.6	56.1	
14-Feb-23	Sunny	12:31	59.8	54.4	
14-Feb-23	Sunny	12:36	60.3	55.9	
14-Feb-23	Sunny	12:41	59.8	56.0	
20-Feb-23	Sunny	13:42	60.3	56.0	61*
20-Feb-23	Sunny	13:47	60.6	56.0	
20-Feb-23	Sunny	13:52	60.7	56.0	
20-Feb-23	Sunny	13:57	62.5	59.4	
20-Feb-23	Sunny	14:02	62.5	58.6	
20-Feb-23	Sunny	14:07	62.6	59.4	

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

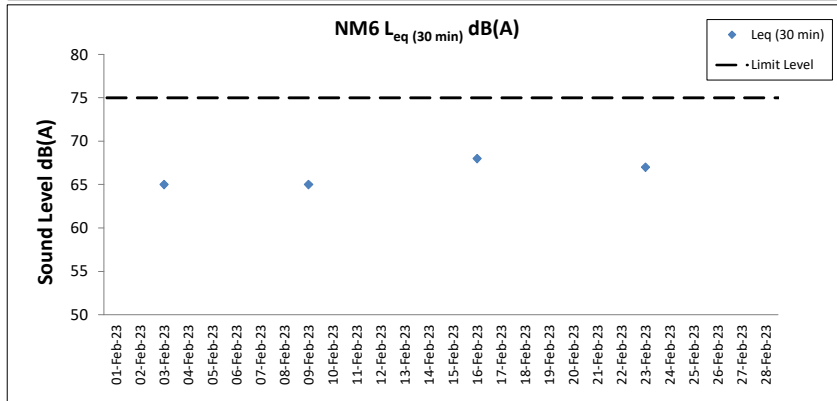
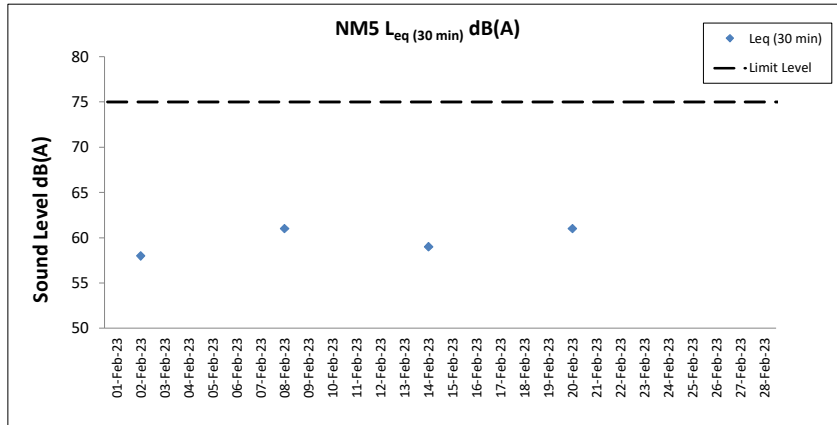
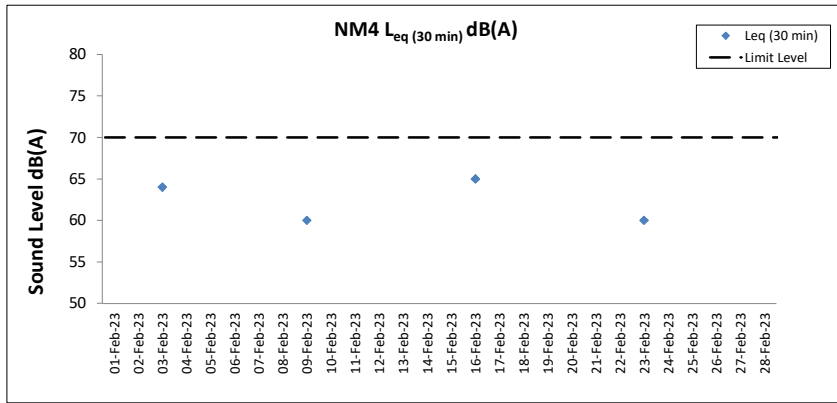
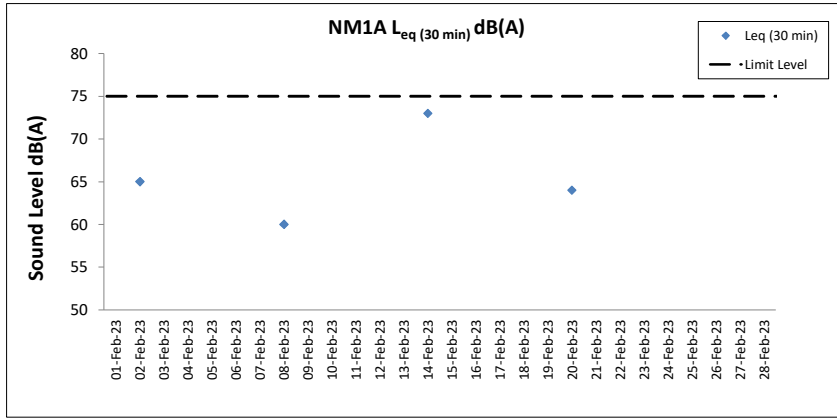
#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
3-Feb-23	Sunny	9:41	67.1	57.7	65
3-Feb-23	Sunny	9:46	63.0	54.0	
3-Feb-23	Sunny	9:51	62.7	51.2	
3-Feb-23	Sunny	9:56	63.3	54.4	
3-Feb-23	Sunny	10:01	67.2	54.3	
3-Feb-23	Sunny	10:06	60.1	53.3	
9-Feb-23	Sunny	15:39	62.8	49.1	65
9-Feb-23	Sunny	15:44	72.3	53.5	
9-Feb-23	Sunny	15:49	54.5	45.3	
9-Feb-23	Sunny	15:54	67.2	46.0	
9-Feb-23	Sunny	15:59	57.2	50.1	
9-Feb-23	Sunny	16:04	61.5	48.0	
16-Feb-23	Sunny	15:44	72.0	57.7	68
16-Feb-23	Sunny	15:49	69.6	52.8	
16-Feb-23	Sunny	15:54	65.7	50.5	
16-Feb-23	Sunny	15:59	60.1	46.9	
16-Feb-23	Sunny	16:04	61.7	47.6	
16-Feb-23	Sunny	16:09	65.2	51.5	
23-Feb-23	Sunny	15:41	68.0	52.4	67
23-Feb-23	Sunny	15:46	55.5	46.3	
23-Feb-23	Sunny	15:51	53.2	46.1	
23-Feb-23	Sunny	15:56	68.1	46.4	
23-Feb-23	Sunny	16:01	65.2	45.1	
23-Feb-23	Sunny	16:06	50.6	44.2	

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 02 February 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	Fine	Rough	23:25	8.2	Surface	1.0	0.5	211	16.9	8.3	8.3	31.2	31.2	135.2	135.1	10.9	10.5	4.4	3.5	2	3	815619	804242	
						1.0	0.5	210	16.8	8.3	31.2	134.9	10.8	3.5	3									
					Middle	4.1	0.5	202	16.7	8.3	8.3	31.3	31.3	129.1	126.5	10.4			4.1	3				
						4.1	0.5	209	16.6	8.3	31.3	123.8	10.0	4.4	3									
					Bottom	7.2	0.5	207	16.6	8.3	8.3	31.4	31.4	120.9	120.1	9.7			5.2	4				
						7.2	0.5	208	16.6	8.3	31.4	119.3	9.6	5.9	5									
C2	Fine	Rough	22:11	10.8	Surface	1.0	0.5	162	17.4	8.3	8.3	29.8	29.9	153.1	153.1	12.3	12.3	3.5	2.3	3	3	825705	806954	
						1.0	0.6	165	17.4	8.3	29.9	153.0	12.3	2.4	3									
					Middle	5.4	0.5	169	17.2	8.3	8.3	30.3	30.3	151.7	151.8	12.2			2.5	3				
						5.4	0.5	175	17.3	8.3	30.2	151.9	12.2	2.4	3									
					Bottom	9.8	0.5	181	16.9	8.3	8.3	31.1	31.1	135.1	135.2	10.8			5.7	3				
						9.8	0.5	175	16.9	8.3	31.1	135.2	10.9	5.6	3									
C3	Fine	Rough	23:23	10.2	Surface	1.0	0.4	87	16.4	7.9	7.9	32.3	32.3	109.7	109.5	8.8	8.8	1.6	1.2	3	3	822096	817819	
						1.0	0.4	80	16.4	7.9	32.3	109.2	8.8	1.2	3									
					Middle	5.1	0.3	67	16.3	7.9	7.9	32.4	32.4	107.8	107.8	8.7			1.5	3				
						5.1	0.3	67	16.3	7.9	32.4	107.8	8.7	1.4	3									
					Bottom	9.2	0.3	70	16.2	7.9	7.9	32.4	32.3	105.8	103.5	8.6			2.2	3				
						9.2	0.3	74	16.1	7.9	32.2	101.2	8.2	2.2	3									
IM1	Fine	Rough	23:02	6.3	Surface	1.0	0.4	184	17.2	8.3	8.3	31.3	31.3	129.6	129.6	10.3	10.2	9.6	3.5	2	3	818350	806464	
						1.0	0.4	188	17.2	8.3	31.3	129.5	10.3	3.5	3									
					Middle	3.2	0.4	175	17.2	8.3	8.3	31.3	31.3	127.6	127.2	10.2			3.2	2				
						3.2	0.4	169	17.2	8.3	31.3	126.8	10.1	9.2	4									
					Bottom	5.3	0.3	175	17.2	8.3	8.3	31.3	31.2	120.7	120.5	9.6			9.2	3				
						5.3	0.3	180	17.3	8.3	31.2	120.2	9.6	9.9	3									
IM2	Fine	Rough	22:59	6.5	Surface	1.0	0.4	191	17.2	8.3	8.3	31.3	31.3	126.9	126.9	10.1	10.0	4.3	3.6	2	3	819192	806246	
						1.0	0.4	189	17.2	8.3	31.3	126.8	10.1	3.6	3									
					Middle	3.3	0.4	196	17.2	8.3	8.3	31.3	31.3	124.4	123.9	9.9			3.8	3				
						3.3	0.4	194	17.2	8.3	31.3	123.3	9.8	3.9	3									
					Bottom	5.5	0.4	202	17.2	8.3	8.3	31.3	31.3	117.6	117.3	9.4			5.6	4				
						5.5	0.4	204	17.2	8.3	31.3	116.9	9.3	5.5	4									
IM7	Fine	Rough	22:38	7.9	Surface	1.0	0.2	165	17.2	8.3	8.3	30.1	30.1	134.0	134.0	10.8	10.4	3.0	2.2	3	3	821364	806816	
						1.0	0.2	165	17.2	8.3	30.1	133.9	10.7	2.3	4									
					Middle	4.0	0.2	153	17.0	8.3	8.3	30.7	30.8	125.6	125.3	10.1			3.0	3				
						4.0	0.2	153	17.0	8.3	30.8	125.0	10.0	3.1	4									
					Bottom	6.9	0.2	148	17.0	8.3	8.3	31.2	31.2	119.9	119.2	9.6			3.6	3				
						6.9	0.2	148	17.0	8.3	31.2	118.4	9.5	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 02 February 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	Rough	22:17	8.4	Surface	1.0	0.5	104	17.0	17.0	8.0	8.0	30.3	30.3	136.1	136.0	11.0	10.9	1.0	1.8	3	4	822230	809833		
						1.0	0.5	107	17.0		8.0	8.0	30.3	30.3	135.9	136.0	10.9		1.0		3					
					Middle	4.2	0.5	115	17.0	17.0	8.0	8.0	30.3	30.3	135.5	135.4	10.9	10.9	1.7	1.8	5				4	
						4.2	0.4	114	17.0		8.0	8.0	30.3	30.3	135.2	135.4	10.9		1.7		4					
					Bottom	7.4	0.4	123	17.0	17.0	8.0	8.0	30.5	30.3	134.7	134.6	10.8	10.9	2.8	1.8	5					4
						7.4	0.5	121	17.0		8.0	8.0	30.0	30.3	134.5	134.6	10.9		2.7		6					
IM11	Fine	Rough	22:26	9.2	Surface	1.0	0.6	96	16.7	16.7	8.0	8.0	32.2	32.2	129.1	128.8	10.3	10.1	1.0	1.5	4	3	821495	810522		
						1.0	0.6	95	16.7		8.0	8.0	32.2	32.2	128.4	128.8	10.3		1.1		3					
					Middle	4.6	0.6	93	16.7	16.8	8.0	8.0	32.1	32.1	124.1	123.6	9.9	9.3	1.4	1.5	3				3	
						4.6	0.6	94	16.8		8.0	8.0	32.1	32.1	123.0	123.6	9.8		1.5		2					
					Bottom	8.2	0.6	73	16.8	16.8	8.0	8.0	32.1	32.1	116.2	115.6	9.3	9.3	2.0	1.5	2					3
						8.2	0.5	69	16.8		8.0	8.0	32.1	32.1	114.9	115.6	9.2		2.0		2					
IM12	Fine	Rough	22:31	9.6	Surface	1.0	0.6	102	16.6	16.6	8.0	8.0	32.2	32.2	133.0	131.1	10.7	10.4	1.0	1.7	3	3	821142	811536		
						1.0	0.6	101	16.6		8.0	8.0	32.2	32.2	129.1	128.4	10.4		1.1		3					
					Middle	4.8	0.6	106	16.6	16.6	8.0	8.0	32.1	32.1	126.5	126.2	10.2	9.7	1.7	1.7	3				3	
						4.8	0.6	107	16.6		8.0	8.0	32.1	32.1	125.9	126.2	10.1		1.7		4					
					Bottom	8.6	0.6	91	16.4	16.4	8.0	8.0	32.2	32.3	122.2	119.9	9.8	9.7	2.5	1.7	4					3
						8.6	0.6	95	16.4		8.0	8.0	32.3	32.3	117.5	119.9	9.5		2.4		3					
SR1A	Fine	Rough	22:51	4.8	Surface	1.0	0.0	87	16.6	16.6	8.0	8.0	32.1	32.1	132.7	132.5	10.7	10.7	1.3	1.6	3	3	819972	812657		
						1.0	0.0	94	16.5		8.0	8.0	32.1	32.1	132.3	132.5	10.6		1.3		4					
					Middle	2.4	0.0	102	-	-	-	-	-	-	-	-	-	10.5	-	1.6	-				3	
						2.4	0.0	98	-		-	-	-	-	-	-	-		-		-					
					Bottom	3.8	0.1	93	16.6	16.6	8.0	8.0	32.0	32.0	130.3	130.2	10.5	10.5	1.9	1.6	3					3
						3.8	0.0	94	16.6		8.0	8.0	32.0	32.0	130.1	130.2	10.5		1.9		3					
SR2	Fine	Rough	23:04	5.2	Surface	1.0	0.4	37	16.5	16.5	8.1	8.1	32.3	32.4	129.1	128.4	10.4	10.4	1.0	1.1	4	4	821451	814150		
						1.0	0.4	41	16.4		8.1	8.1	32.4	32.4	127.7	127.7	10.3		1.0		3					
					Middle	-	0.5	50	-	-	-	-	-	-	-	-	-	9.2	-	1.1	-				4	
						-	0.5	51	-		-	-	-	-	-	-	-		-		-					
					Bottom	4.2	0.5	61	16.1	16.1	8.1	8.1	32.6	32.6	115.1	113.8	9.3	9.2	1.2	1.1	4					4
						4.2	0.5	64	16.1		8.1	8.1	32.6	32.6	112.4	113.8	9.1		1.3		4					
SR3	Fine	Rough	22:31	8.8	Surface	1.0	0.5	145	17.2	17.2	8.3	8.3	30.1	30.1	136.4	136.4	11.0	10.6	3.2	4.6	3	3	822147	807579		
						1.0	0.5	150	17.2		8.3	8.3	30.1	30.1	136.4	136.4	10.9		3.3		3					
					Middle	4.4	0.5	138	17.0	17.0	8.3	8.3	31.0	31.0	126.6	126.1	10.2	9.5	3.1	4.6	3				3	
						4.4	0.5	136	17.0		8.3	8.3	31.0	31.0	125.6	126.1	10.1		3.5		3					
					Bottom	7.8	0.5	139	17.0	17.0	8.3	8.3	31.0	31.0	118.6	118.4	9.5	9.5	7.4	4.6	3					3
						7.8	0.5	132	17.0		8.3	8.3	31.0	31.0	118.2	118.4	9.5		7.4		3					
SR4A	Fine	Rough	23:54	9.5	Surface	1.0	0.1	7	17.2	17.2	8.3	8.3	31.3	31.3	134.6	133.0	10.7	10.3	3.9	4.4	4	4	817165	807823		
						1.0	0.1	13	17.1		8.3	8.3	31.3	31.3	131.4	133.0	10.5		4.0		5					
					Middle	4.8	0.0	11	16.9	16.9	8.3	8.3	31.5	31.5	126.0	125.7	10.1	9.6	4.6	4.4	4				4	
						4.8	0.1	16	16.9		8.3	8.3	31.5	31.5	125.4	125.7	10.0		4.6		3					
					Bottom	8.5	0.0	30	16.9	17.0	8.3	8.3	31.5	31.5	120.0	119.8	9.6	9.6	4.8	4.4	2					4
						8.5	0.0	26	17.0		8.3	8.3	31.5	31.5	119.6	119.8	9.6		4.7		3					
SR8	Fine	Rough	22:35	4.6	Surface	1.0	-	-	16.7	16.7	8.0	8.0	32.2	32.2	118.3	117.8	9.5	9.5	1.1	1.2	2	4	820398	811638		
						1.0	-	-	16.7		8.0	8.0	32.2	32.2	117.2	117.8	9.4		1.1		4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	1.2	-				4	
						-	-	-	-		-	-	-	-	-	-	-		-		-					
					Bottom	3.6	-	-	16.6	16.6	8.0	8.0	32.2	32.2	111.6	110.3	9.0	8.9	1.4	1.2	4					4
						3.6	-	-	16.6		8.0	8.0	32.2	32.2	108.9	110.3	8.7		1.3		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 02 February 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	Fine	Rough	11:52	8.0	Surface	1.0	0.0	187	16.8	16.8	8.3	8.3	31.0	31.0	137.5	137.4	11.1	10.8	3.2	4.9	2	3	815638	804263			
						1.0	0.1	181	16.8		8.3	8.3	31.0	31.0	137.3	137.4	11.1		3.2		3						
					Middle	4.0	0.0	202	16.6	16.6	8.3	8.3	31.3	31.3	129.4	129.1	10.4	10.2	4.7	10.2	5.0				10.2	3	5
						4.0	0.0	198	16.6		8.3	8.3	31.3	31.3	128.8	126.5	10.4		6.5		4						
					Bottom	7.0	0.0	204	16.6	16.6	8.3	8.3	31.3	31.3	126.5	126.5	10.2	10.2	6.5	10.2	6.7				10.2	5	
						7.0	0.0	199	16.6		8.3	8.3	31.3	31.3	126.4	126.5	10.2		6.7		5						
C2	Fine	Rough	13:13	11.2	Surface	1.0	0.1	179	17.3	17.3	8.3	8.3	29.7	29.7	142.7	142.5	11.5	10.8	2.2	3.7	4	5	825659	806955			
						1.0	0.1	180	17.3		8.3	8.3	29.7	29.7	142.2	142.5	11.4		2.2		5						
					Middle	5.6	0.1	185	16.9	16.9	8.2	8.2	31.1	31.1	127.0	126.9	10.2	10.0	5.3	10.0	5.4				10.0	4	
						5.6	0.1	188	16.9		8.2	8.2	31.1	31.1	126.7	124.4	10.2		3.5		5						
					Bottom	10.2	0.0	157	16.9	16.9	8.2	8.2	31.1	31.1	124.4	124.1	10.0	10.0	3.5	10.0	3.8				10.0	6	
						10.2	0.0	154	16.9		8.2	8.2	31.1	31.1	123.8	124.1	9.9		3.8		6						
C3	Fine	Rough	12:06	11.8	Surface	1.0	0.1	87	16.5	16.5	7.6	7.5	31.8	31.8	109.9	109.9	8.9	8.8	1.0	1.1	2	3	822118	817817			
						1.0	0.1	94	16.5		7.5	7.5	31.8	31.8	109.8	109.9	8.8		1.1		2						
					Middle	5.9	0.0	107	16.5	16.5	7.5	7.5	31.7	31.7	107.9	107.9	8.7	8.6	1.1	8.6	1.1				8.6	3	
						5.9	0.1	111	16.5		7.5	7.5	31.7	31.7	107.8	107.9	8.7		1.1		3						
					Bottom	10.8	0.1	77	16.5	16.5	7.4	7.4	31.7	31.7	107.2	107.1	8.6	8.6	1.2	8.6	1.2				8.6	4	
						10.8	0.1	71	16.5		7.4	7.4	31.7	31.7	107.0	107.1	8.6		1.2		4						
IM1	Fine	Rough	12:07	6.4	Surface	1.0	0.1	148	17.1	17.1	8.3	8.3	31.1	31.1	131.9	131.8	10.5	10.2	4.4	6.3	3	2	818344	806463			
						1.0	0.1	152	17.1		8.3	8.3	31.1	31.1	131.7	131.8	10.5		4.6		2						
					Middle	3.2	0.1	164	16.9	16.9	8.3	8.3	31.3	31.3	123.4	123.2	9.9	9.0	4.9	9.0	4.8				9.0	2	
						3.2	0.1	159	16.9		8.3	8.3	31.3	31.3	123.0	123.2	9.9		4.8		3						
					Bottom	5.4	0.0	175	16.7	16.7	8.2	8.2	31.4	31.4	112.1	112.1	9.0	9.0	9.6	9.0	9.7				9.0	<2	
						5.4	0.0	169	16.7		8.2	8.2	31.4	31.4	112.0	112.1	9.0		9.7		<2						
IM2	Fine	Rough	12:11	6.7	Surface	1.0	0.0	169	17.1	17.1	8.3	8.3	31.2	31.2	136.7	136.6	10.9	10.8	3.2	4.0	2	3	819181	806220			
						1.0	0.1	171	17.1		8.3	8.3	31.2	31.2	136.4	136.6	10.9		3.2		3						
					Middle	3.4	0.0	172	16.8	16.8	8.3	8.3	31.4	31.4	132.9	132.6	10.7	10.1	3.9	10.1	3.9				10.1	3	
						3.4	-	164	16.8		8.3	8.3	31.4	31.4	132.3	126.2	10.6		3.9		4						
					Bottom	5.7	0.0	183	16.8	16.8	8.3	8.3	31.4	31.4	126.2	126.2	10.1	9.7	5.0	9.7	5.0				9.7	4	
						5.7	0.1	185	16.8		8.3	8.3	31.4	31.4	126.1	126.2	10.1		5.0		5						
IM7	Fine	Rough	12:35	8.0	Surface	1.0	0.1	148	17.2	17.2	8.3	8.3	29.8	29.9	135.2	134.9	10.9	10.5	2.3	2.5	2	4	821338	806820			
						1.0	0.1	149	17.1		8.3	8.3	29.9	29.9	134.6	134.9	10.8		2.3		3						
					Middle	4.0	0.1	152	16.9	16.9	8.3	8.3	31.0	31.0	126.6	126.4	10.2	9.7	2.5	9.7	2.7				9.7	3	
						4.0	0.1	156	16.9		8.3	8.3	31.0	31.0	126.2	126.4	10.1		2.7		4						
					Bottom	7.0	0.0	133	16.9	16.9	8.3	8.3	31.1	31.1	120.6	120.5	9.7	9.7	2.7	9.7	2.8				9.7	5	
						7.0	0.0	132	16.9		8.3	8.3	31.1	31.1	120.3	120.5	9.7		2.8		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 02 February 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	Fine	Rough	13:10	8.8	Surface	1.0	0.0	244	16.7	16.7	8.0	8.0	31.8	31.8	131.2	130.8	10.5	10.3	1.1	1.2	4	4	822248	809856			
						1.0	0.0	242	16.7	8.0	8.0	31.8	31.8	130.3	129.8	10.5	10.3	1.1	1.2	3							
					Middle	4.4	0.0	239	16.7	16.8	7.9	7.9	32.0	32.0	125.8	124.7	10.1	9.9	1.2	1.2	4						
						4.4	0.0	241	16.8	17.0	7.9	7.9	32.0	32.0	123.6	115.5	9.9	9.2	1.2	1.2	4						
					Bottom	7.8	0.0	243	16.9	17.0	7.9	7.9	31.9	31.8	115.5	115.2	9.2	9.2	1.2	1.2	4						
						7.8	0.0	249	17.0	17.0	7.9	7.9	31.8	31.8	114.8	114.8	9.2	9.2	1.2	1.2	5						
IM11	Fine	Rough	13:05	8.0	Surface	1.0	0.1	95	16.6	16.6	8.0	8.0	32.2	32.2	129.8	129.5	10.4	10.1	1.0	1.2	4	5	821508	810551			
						1.0	0.0	97	16.6	16.6	8.0	8.0	32.2	32.2	129.1	129.5	10.4	10.1	1.1	1.2	4						
					Middle	4.0	0.0	104	16.9	16.9	8.0	8.0	32.0	31.9	122.8	122.5	9.8	9.7	1.1	1.2	5						
						4.0	0.1	106	16.9	17.2	8.0	8.0	31.9	31.7	122.1	117.9	9.7	9.4	1.1	1.2	5						
					Bottom	7.0	0.0	78	17.2	17.2	8.0	8.0	31.7	31.7	117.9	117.0	9.4	9.2	1.6	1.5	6						
						7.0	0.0	84	17.2	17.2	8.0	8.0	31.7	31.7	116.1	116.1	9.2	9.2	1.5	1.5	7						
IM12	Fine	Rough	13:00	7.6	Surface	1.0	0.0	113	16.6	16.6	7.9	7.9	32.2	32.2	124.8	124.6	10.0	9.9	1.1	1.3	3	3	821158	811535			
						1.0	0.1	118	16.6	16.6	7.9	7.9	32.2	32.2	124.3	124.6	10.0	9.9	1.1	1.3	4						
					Middle	3.8	0.0	130	16.6	16.6	7.9	7.9	32.2	32.2	121.2	121.3	9.7	9.7	1.3	1.3	3						
						3.8	0.0	130	16.6	16.6	7.9	7.9	32.2	32.2	121.3	121.3	9.7	9.7	1.2	1.3	3						
					Bottom	6.6	0.0	108	16.6	16.6	7.9	7.9	32.2	32.1	109.6	108.6	8.8	8.6	1.4	1.4	3						
						6.6	0.0	109	16.6	16.6	7.9	7.9	32.1	32.1	107.5	107.5	8.6	8.6	1.4	1.4	2						
SR1A	Fine	Rough	12:37	4.6	Surface	1.0	0.0	178	16.5	16.5	7.9	7.9	32.0	32.0	116.9	116.3	9.4	9.4	1.3	1.4	4	4	819977	812661			
						1.0	0.0	182	16.5	16.5	7.9	7.9	32.0	32.0	115.7	116.3	9.3	9.3	1.4	1.4	4						
					Middle	2.3	0.0	167	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						2.3	0.1	172	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	3.6	0.0	166	16.5	16.5	7.9	7.8	32.1	32.0	107.7	107.0	8.7	8.6	1.5	1.6	4						
						3.6	0.1	161	16.5	16.5	7.8	7.8	32.0	32.0	106.3	106.3	8.6	8.6	1.6	1.6	3						
SR2	Fine	Rough	12:25	5.6	Surface	1.0	0.1	85	16.6	16.6	7.8	7.8	32.1	32.1	121.8	120.0	9.8	9.7	1.7	1.9	5	4	821443	814172			
						1.0	0.1	90	16.5	16.6	7.8	7.8	32.1	32.1	118.1	120.0	9.5	9.5	1.7	1.9	4						
					Middle	-	0.1	60	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	0.1	59	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	4.6	0.0	64	16.5	16.5	7.8	7.8	32.2	32.2	104.1	103.7	8.4	8.3	2.1	2.1	3						
						4.6	0.0	65	16.5	16.5	7.8	7.8	32.2	32.2	103.2	103.2	8.3	8.3	2.1	2.1	4						
SR3	Fine	Rough	12:42	8.2	Surface	1.0	0.0	186	17.3	17.3	8.2	8.2	29.3	29.3	137.1	137.0	11.0	10.6	2.0	4.5	3	3	822148	807583			
						1.0	0.0	181	17.3	17.0	8.2	8.2	29.3	30.5	136.9	126.3	11.0	10.2	2.0	4.5	2						
					Middle	4.1	0.1	184	17.0	17.0	8.2	8.2	30.4	30.5	126.5	126.3	10.2	10.1	2.6	4.5	3						
						4.1	0.1	186	17.0	17.0	8.2	8.2	30.5	30.5	126.0	126.3	10.1	10.1	2.7	4.5	3						
					Bottom	7.2	0.1	197	17.0	17.0	8.2	8.2	30.9	30.9	124.2	124.1	10.0	9.9	8.9	10.0	8.9				3		
						7.2	0.1	199	17.0	17.0	8.2	8.2	30.9	30.9	123.9	123.9	9.9	9.9	8.9	10.0	8.9				4		
SR4A	Fine	Rough	11:31	8.6	Surface	1.0	0.0	265	17.1	17.1	8.3	8.3	31.5	31.5	129.2	129.2	10.3	10.1	4.0	4.2	4	4	817185	807801			
						1.0	0.1	268	17.1	17.1	8.3	8.3	31.5	31.5	129.1	129.2	10.3	10.1	4.0	4.2	5						
					Middle	4.3	-	250	16.9	16.9	8.3	8.3	31.6	31.6	124.4	124.2	9.9	9.9	4.3	4.2	3						
						4.3	0.0	256	16.9	17.0	8.3	8.3	31.6	31.6	124.0	124.2	9.9	9.9	4.3	4.2	4						
					Bottom	7.6	0.0	264	16.9	17.0	8.3	8.3	31.6	31.6	121.0	120.7	9.7	9.6	4.2	4.2	3						
						7.6	0.0	264	17.0	17.0	8.3	8.3	31.6	31.6	120.3	120.3	9.6	9.6	4.3	4.3	2						
SR8	Fine	Rough	12:54	4.8	Surface	1.0	-	-	16.7	16.8	7.9	7.9	32.1	32.1	127.7	127.4	10.2	10.2	1.8	1.9	3	3	820411	811624			
						1.0	-	-	16.8	16.8	7.9	7.9	32.1	32.1	127.1	127.4	10.2	10.2	1.7	1.9	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
					Bottom	3.8	-	-	17.4	17.5	7.9	7.9	31.6	31.5	110.9	109.9	8.8	8.6	2.0	2.1	3						
						3.8	-	-	17.5	17.5	7.9	7.9	31.5	31.5	108.9	108.9	8.6	8.6	2.1	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 04 February 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	Rough	13:00	8.8	Surface	1.0	0.1	194	16.9	8.1	8.1	31.9	31.9	135.6	135.6	10.8	10.8	3.4	3.2	6	7	815601	804235	
						1.0	0.0	189	16.9	8.1	8.1	31.9	31.9	135.6	135.6	10.8	10.8	3.4	3.2	6	7			
					Middle	4.4	0.1	181	16.9	8.1	8.1	31.9	31.9	134.4	134.4	10.7	10.7	3.3	3.2	6	7			
						4.4	0.1	177	16.9	8.1	8.1	31.9	31.9	134.3	134.3	10.7	10.7	3.3	3.2	7	7			
					Bottom	7.8	0.0	162	16.9	8.1	8.1	31.9	31.9	133.1	133.1	10.6	10.6	3.0	3.2	8	7			
						7.8	0.0	158	16.9	8.1	8.1	31.9	31.9	133.1	133.1	10.6	10.6	3.0	3.2	7	7			
C2	Rainy	Rough	11:10	9.5	Surface	1.0	0.1	1	16.7	8.1	8.1	31.7	31.7	138.4	138.4	11.1	11.1	3.1	3.2	6	6	825658	806944	
						1.0	0.1	2	16.7	8.1	8.1	31.7	31.7	138.3	138.3	11.1	11.1	3.1	3.2	5	6			
					Middle	4.8	0.2	11	16.7	8.1	8.1	31.7	31.7	137.7	137.7	11.1	11.1	2.8	3.2	5	6			
						4.8	0.2	16	16.7	8.1	8.1	31.7	31.7	137.7	137.7	11.1	11.1	2.9	3.2	6	6			
					Bottom	8.5	0.2	349	16.7	8.1	8.1	31.7	31.7	136.9	136.9	11.0	11.0	3.6	3.2	6	6			
						8.5	0.1	355	16.7	8.1	8.1	31.7	31.7	136.9	136.9	11.0	11.0	3.5	3.2	6	6			
C3	Rainy	Rough	12:11	11.0	Surface	1.0	0.1	92	17.1	7.8	7.8	31.3	31.3	119.2	119.0	9.5	9.3	2.0	3.5	6	6	822126	817798	
						1.0	0.0	93	17.1	7.8	7.8	31.3	31.3	118.7	119.0	9.5	9.3	2.1	3.5	7	6			
					Middle	5.5	0.1	101	17.0	7.8	7.8	31.1	31.1	113.2	113.0	9.1	8.9	3.9	3.5	6	6			
						5.5	0.1	97	17.0	7.8	7.8	31.1	31.1	112.8	113.0	9.0	8.9	3.8	3.5	7	6			
					Bottom	10.0	0.1	67	16.9	7.9	7.9	31.2	31.3	111.5	111.4	8.9	8.9	4.5	3.5	5	6			
						10.0	0.2	63	16.9	7.9	7.9	31.3	31.3	111.3	111.4	8.9	8.9	4.4	3.5	6	6			
IM1	Cloudy	Rough	12:28	7.7	Surface	1.0	0.1	87	16.7	8.1	8.1	31.7	31.7	138.6	138.6	11.1	11.1	3.0	3.4	8	8	818329	806458	
						1.0	0.1	89	16.7	8.1	8.1	31.7	31.7	138.6	138.6	11.1	11.1	3.1	3.4	7	8			
					Middle	3.9	0.0	97	16.7	8.1	8.1	31.7	31.7	137.8	137.8	11.1	11.1	3.3	3.4	7	8			
						3.9	0.1	91	16.7	8.1	8.1	31.7	31.7	137.8	137.8	11.1	11.1	3.3	3.4	7	8			
					Bottom	6.7	0.0	56	16.7	8.1	8.1	31.7	31.7	137.2	137.2	11.0	11.0	3.8	3.4	9	8			
						6.7	0.0	58	16.7	8.1	8.1	31.7	31.7	137.2	137.2	11.0	11.0	3.7	3.4	10	8			
IM2	Cloudy	Rough	12:16	7.8	Surface	1.0	0.1	47	16.7	8.1	8.1	31.7	31.7	137.4	137.4	11.0	11.0	3.5	3.6	6	7	819203	806225	
						1.0	0.1	44	16.7	8.1	8.1	31.7	31.7	137.4	137.4	11.0	11.0	3.5	3.6	6	7			
					Middle	3.9	0.1	49	16.7	8.1	8.1	31.7	31.7	136.1	136.1	10.9	10.9	3.6	3.6	7	7			
						3.9	0.1	43	16.7	8.1	8.1	31.7	31.7	136.0	136.1	10.9	10.9	3.6	3.6	6	7			
					Bottom	6.8	0.1	61	16.7	8.1	8.1	31.7	31.7	133.5	133.5	10.7	10.7	3.7	3.6	7	7			
						6.8	0.1	61	16.7	8.1	8.1	31.7	31.7	133.4	133.5	10.7	10.7	3.8	3.6	7	7			
IM7	Rainy	Rough	11:47	7.9	Surface	1.0	0.1	48	16.6	8.1	8.1	31.7	31.7	140.6	140.6	11.3	11.2	3.5	4.6	9	7	821368	806839	
						1.0	0.2	52	16.6	8.1	8.1	31.7	31.7	140.6	140.6	11.3	11.2	3.4	4.6	8	7			
					Middle	4.0	0.2	46	16.6	8.1	8.1	31.7	31.7	136.9	136.9	11.0	11.0	5.3	4.6	7	7			
						4.0	0.2	42	16.6	8.1	8.1	31.7	31.7	136.8	136.9	11.0	11.0	5.4	4.6	6	7			
					Bottom	6.9	0.1	30	16.6	8.1	8.1	31.7	31.7	136.4	136.4	11.0	11.0	4.8	4.6	5	7			
						6.9	0.1	29	16.6	8.1	8.1	31.7	31.7	136.4	136.4	11.0	11.0	4.9	4.6	6	7			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on **04 February 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	Rainy	Rough	11:07	8.0	Surface	1.0	0.1	306	<u>17.2</u>	8.0	8.0	<u>30.8</u>	30.8	<u>129.8</u>	129.6	10.4	10.1	1.0	1.1	6	6	822244	809822	
						1.0	0.1	308	17.2	8.0	8.0	<u>30.8</u>	30.8	<u>129.3</u>	129.6	10.3								
					Middle	4.0	0.2	311	<u>17.0</u>	8.0	8.0	<u>31.0</u>	31.0	<u>125.8</u>	123.2	10.1		1.1						
						4.0	0.2	316	16.9	8.0	8.0	<u>31.0</u>	31.0	<u>120.5</u>	123.2	9.7		1.2						
					Bottom	7.0	0.1	320	<u>16.7</u>	8.0	8.0	<u>31.2</u>	31.2	<u>116.7</u>	116.8	9.4		9.4		1.2				
						7.0	0.1	319	16.7	8.0	8.0	<u>31.2</u>	31.2	<u>116.9</u>	116.8	9.4		9.4		1.1				
IM11	Rainy	Rough	11:12	9.2	Surface	1.0	0.1	319	<u>17.2</u>	8.0	8.0	<u>30.9</u>	30.9	<u>128.7</u>	128.5	10.3	10.2	1.4	1.6	5	6	821511	810540	
						1.0	0.0	316	17.2	8.0	8.0	<u>30.9</u>	30.9	<u>128.2</u>	128.5	10.3								
					Middle	4.6	0.0	327	<u>16.9</u>	8.0	8.0	<u>31.2</u>	31.2	<u>125.0</u>	124.4	10.0		1.6						
						4.6	0.0	323	16.8	8.0	8.0	<u>31.2</u>	31.2	<u>123.7</u>	124.4	10.0		1.5						
					Bottom	8.2	0.0	290	<u>16.6</u>	8.0	8.0	<u>31.4</u>	31.4	<u>116.1</u>	115.3	9.4		9.3		1.9				
						8.2	0.0	290	16.5	8.0	8.0	<u>31.4</u>	31.4	<u>114.4</u>	115.3	9.2		9.3		1.8				
IM12	Rainy	Rough	11:19	7.8	Surface	1.0	0.0	303	<u>17.2</u>	8.0	8.0	<u>30.9</u>	30.9	<u>126.9</u>	126.5	10.1	9.9	1.1	1.5	10	8	821150	811517	
						1.0	0.1	304	17.2	8.0	8.0	<u>30.9</u>	30.9	<u>126.0</u>	126.5	10.1								
					Middle	3.9	0.1	291	<u>17.2</u>	8.0	8.0	<u>30.9</u>	30.9	<u>122.8</u>	121.7	9.8		1.5						
						3.9	0.0	286	17.2	8.0	8.0	<u>30.9</u>	30.9	<u>120.6</u>	121.7	9.6		1.4						
					Bottom	6.8	0.1	318	<u>17.2</u>	8.0	8.0	<u>30.8</u>	30.8	<u>114.3</u>	113.8	9.1		9.1		2.0				
						6.8	0.1	321	17.2	8.0	8.0	<u>30.9</u>	30.8	<u>113.2</u>	113.8	9.0		9.1		2.0				
SR1A	Rainy	Rough	11:39	5.6	Surface	1.0	0.0	165	<u>17.4</u>	8.0	8.0	<u>31.1</u>	31.1	<u>132.5</u>	132.3	10.5	10.5	1.9	2.0	6	6	819978	812654	
						1.0	0.1	166	17.4	8.0	8.0	<u>31.1</u>	31.1	<u>132.0</u>	132.3	10.5								
					Middle	2.8	0.1	170	-	-	-	-	-	-	-	-		-		10.5				1.9
						2.8	0.0	166	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.6	0.0	177	<u>17.4</u>	8.0	8.0	<u>31.1</u>	31.1	<u>131.0</u>	130.9	10.4		10.4		2.1				
						4.6	0.0	173	17.4	8.0	8.0	<u>31.1</u>	31.1	<u>130.7</u>	130.9	10.4		10.4		2.2				
SR2	Rainy	Rough	11:51	5.6	Surface	1.0	0.0	42	<u>17.2</u>	8.0	8.0	<u>30.9</u>	30.9	<u>123.2</u>	122.5	9.9	9.8	1.3	1.4	5	6	821464	814162	
						1.0	0.0	35	17.2	8.0	8.0	<u>30.9</u>	30.9	<u>121.7</u>	122.5	9.7								
					Middle	-	0.1	40	-	-	-	-	-	-	-	-		-		9.8				1.4
						-	-	33	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.6	0.1	54	<u>17.1</u>	8.0	8.0	<u>31.0</u>	31.0	<u>113.1</u>	112.1	9.0		9.0		1.6				
						4.6	0.0	57	17.2	8.0	8.0	<u>30.9</u>	30.9	<u>111.0</u>	112.1	8.9		9.0		1.6				
SR3	Rainy	Rough	11:35	8.8	Surface	1.0	0.2	1	<u>16.6</u>	8.1	8.1	<u>31.7</u>	31.7	<u>139.8</u>	139.8	11.2	11.2	3.5	4.5	6	6	822137	807583	
						1.0	0.2	7	16.6	8.1	8.1	<u>31.7</u>	31.7	<u>139.8</u>	139.8	11.2								
					Middle	4.4	0.2	351	<u>16.6</u>	8.1	8.1	<u>31.7</u>	31.7	<u>139.1</u>	139.1	11.2		11.2		3.9				
						4.4	0.2	344	16.6	8.1	8.1	<u>31.7</u>	31.7	<u>139.1</u>	139.1	11.2		11.2		3.9				
					Bottom	7.8	0.2	31	<u>16.6</u>	8.1	8.1	<u>31.7</u>	31.7	<u>135.4</u>	135.5	10.9		10.9		6.0				
						7.8	0.2	31	16.6	8.1	8.1	<u>31.7</u>	31.7	<u>135.5</u>	135.5	10.9		10.9		6.1				
SR4A	Cloudy	Moderate	13:26	10.3	Surface	1.0	0.0	298	<u>16.9</u>	8.1	8.1	<u>31.9</u>	31.9	<u>140.8</u>	140.8	11.3	11.1	2.5	2.7	7	8	817176	807823	
						1.0	0.0	294	16.9	8.1	8.1	<u>31.9</u>	31.9	<u>140.8</u>	140.8	11.3								
					Middle	5.2	0.0	293	<u>16.9</u>	8.1	8.1	<u>31.9</u>	31.9	<u>136.8</u>	136.8	10.9		11.1		2.7				
						5.2	0.0	297	16.9	8.1	8.1	<u>31.9</u>	31.9	<u>136.8</u>	136.8	10.9		11.1		2.7				
					Bottom	9.3	0.0	273	<u>16.9</u>	8.1	8.1	<u>31.9</u>	31.9	<u>136.5</u>	136.5	10.9		10.9		2.8				
						9.3	0.0	275	16.9	8.1	8.1	<u>31.9</u>	31.9	<u>136.4</u>	136.5	10.9		10.9		2.8				
SR8	Rainy	Rough	11:23	4.6	Surface	1.0	-	-	<u>16.9</u>	8.0	8.0	<u>31.2</u>	31.2	<u>125.1</u>	124.2	10.1	10.0	1.1	1.2	5	7	820384	811607	
						1.0	-	-	16.8	8.0	8.0	<u>31.2</u>	31.2	<u>123.3</u>	124.2	9.9								
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		10.0				1.1
						-	-	-	-	-	-	-	-	-	-	-		-		-				-
					Bottom	3.6	-	-	<u>16.6</u>	8.0	8.0	<u>31.3</u>	31.0	<u>114.9</u>	113.8	9.3		9.2		1.3				
						3.6	-	-	16.5	8.0	8.0	<u>30.8</u>	31.0	<u>112.6</u>	113.8	9.1		9.2		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 04 February 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	07:11	8.3	Surface	1.0	0.3	44	16.7	16.7	7.9	7.9	31.7	31.7	136.0	136.1	10.9	10.9	10.9	2.2	3.0	6	7	815643	804264		
						1.0	0.3	49	16.7		7.9		31.7		136.1		10.9				3.0					7	
					Middle	4.2	0.3	21	16.7	16.7	7.9	7.9	31.7	31.7	135.7	135.7	10.9	10.9	10.9	10.9	2.0	6	7			6	7
						4.2	0.3	18	16.7		7.9		31.7		135.7		10.9		2.0		7						
					Bottom	7.3	0.3	25	16.7	16.7	7.9	7.9	31.7	31.7	135.2	135.2	10.9	10.9	10.9	10.9	1.6	6	7			6	7
						7.3	0.3	26	16.7		7.9		31.7		135.2		10.9		1.6		7						
C2	Cloudy	Rough	08:40	9.2	Surface	1.0	0.3	354	16.7	16.7	8.1	8.1	31.7	31.7	137.7	137.6	11.1	11.1	11.0	3.6	3.3	7	7	825673	806964		
						1.0	0.3	356	16.7		8.1		31.7		137.6		11.1				3.3					7	
					Middle	4.6	0.3	334	16.7	16.7	8.1	8.1	31.7	31.7	136.2	136.2	10.9	10.9	10.9	10.9	3.6	7	7			7	7
						4.6	0.4	340	16.7		8.1		31.7		136.2		10.9		3.6		7						
					Bottom	8.2	0.3	9	16.7	16.7	8.1	8.1	31.7	31.7	135.2	135.2	10.9	10.9	10.9	10.9	4.0	8	7			7	7
						8.2	0.3	10	16.7		8.1		31.7		135.2		10.9		4.0		7						
C3	Rainy	Rough	08:10	11.8	Surface	1.0	0.4	269	17.1	17.1	8.1	8.1	31.3	31.3	124.1	123.8	9.9	9.9	9.6	3.1	2.2	8	7	822125	817814		
						1.0	0.5	274	17.1		8.1		31.3		123.8		9.9				2.1					7	
					Middle	5.9	0.4	280	17.0	17.0	8.1	8.1	31.4	31.4	115.5	115.4	9.2	9.2	9.2	9.2	3.1	7	6			7	6
						5.9	0.4	272	17.0		8.1		31.4		115.3		9.2		3.1		6						
					Bottom	10.8	0.5	278	17.0	17.0	8.1	8.1	31.4	31.4	113.7	113.5	9.1	9.1	9.1	9.1	4.1	7	6			7	6
						10.8	0.5	270	17.0		8.1		31.4		113.3		9.1		4.0		6						
IM1	Cloudy	Rough	07:40	7.3	Surface	1.0	0.2	9	16.9	16.9	8.0	8.0	31.9	31.9	133.8	133.8	10.7	10.7	10.7	2.1	1.8	7	7	818349	806463		
						1.0	0.1	14	16.9		8.0		31.9		133.8		10.7				1.8					7	
					Middle	3.7	0.2	20	16.9	16.9	8.0	8.0	31.9	31.9	132.9	132.9	10.6	10.6	10.6	10.6	2.3	6	7			6	7
						3.7	0.2	12	16.9		8.0		31.9		132.9		10.6		2.3		7						
					Bottom	6.3	0.2	13	16.9	16.9	8.0	8.0	31.9	31.9	130.2	130.1	10.4	10.4	10.4	10.4	2.2	6	7			6	7
						6.3	0.1	6	16.9		8.0		31.9		130.0		10.4		2.2		7						
IM2	Cloudy	Rough	07:49	7.4	Surface	1.0	0.2	8	16.9	16.9	8.0	8.0	31.9	31.9	134.8	134.8	10.8	10.8	10.8	2.3	1.8	5	6	819179	806225		
						1.0	0.2	10	16.9		8.0		31.9		134.8		10.8				1.8					6	
					Middle	3.7	0.2	30	16.9	16.9	8.0	8.0	31.9	31.9	134.5	134.5	10.7	10.7	10.7	10.7	1.9	6	6			6	6
						3.7	0.2	35	16.9		8.0		31.9		134.5		10.7		2.0		6						
					Bottom	6.4	0.2	33	16.9	16.9	8.0	8.0	31.9	31.9	134.2	134.2	10.7	10.7	10.7	10.7	3.1	8	7			8	7
						6.4	0.1	28	16.9		8.0		31.9		134.2		10.7		3.2		7						
IM7	Cloudy	Rough	08:14	7.6	Surface	1.0	0.1	319	16.7	16.7	8.1	8.1	31.8	31.8	134.6	134.6	10.8	10.8	10.8	3.7	3.7	9	8	821326	806841		
						1.0	0.1	323	16.7		8.1		31.8		134.6		10.8				3.7					8	
					Middle	3.8	0.1	322	16.7	16.7	8.1	8.1	31.8	31.8	133.7	133.7	10.7	10.7	10.7	10.7	3.2	8	9			8	9
						3.8	0.1	317	16.7		8.1		31.8		133.7		10.7		3.3		9						
					Bottom	6.6	0.1	309	16.7	16.7	8.1	8.1	31.8	31.8	132.6	132.6	10.7	10.7	10.7	10.7	4.2	7	7			7	7
						6.6	0.1	306	16.7		8.1		31.8		132.6		10.6		4.2		7						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 04 February 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	Rainy	Rough	09:24	8.8	Surface	1.0	0.3	302	17.2	17.2	8.0	8.0	30.8	30.8	128.4	128.2	10.3	10.2	1.2	1.4	7	7	822241	809818			
						1.0	0.4	298	17.2		8.0		30.8		127.9		10.2		1.3		8						
					Middle	4.4	0.3	273	17.2	8.0	8.0	30.8	30.8	126.0	125.7	10.1	10.0	1.4	6								
						4.4	0.3	273	17.2	8.0	8.0	30.8	30.8	125.4	125.4	10.0	10.0	1.4	6								
					Bottom	7.8	0.2	303	17.2	8.0	8.0	30.8	30.8	116.2	115.4	9.3	9.3	1.7	6								
						7.8	0.2	303	17.2	8.0	8.0	30.8	30.8	114.6	114.6	9.2	9.2	1.6	6								
IM11	Rainy	Rough	09:20	7.8	Surface	1.0	0.4	281	17.2	17.2	8.0	8.0	30.9	30.9	126.1	125.8	10.1	9.9	1.0	1.1	8	7	821500	810530			
						1.0	0.4	282	17.2		8.0		30.9		125.4		10.0		1.1		7						
					Middle	3.9	0.4	279	17.2	8.0	8.0	30.9	30.9	123.1	122.6	9.8	9.8	1.1	8								
						3.9	0.5	272	17.2	8.0	8.0	30.9	30.9	122.1	122.1	9.8	9.8	1.1	7								
					Bottom	6.8	0.4	255	17.2	8.0	8.0	30.8	30.8	113.0	112.4	9.0	9.0	1.3	7								
						6.8	0.3	249	17.2	8.0	8.0	30.8	30.8	111.7	111.7	8.9	8.9	1.2	6								
IM12	Rainy	Rough	09:03	7.6	Surface	1.0	0.4	289	17.2	17.2	8.0	8.0	30.9	30.9	128.2	128.0	10.2	10.1	1.2	1.3	5	6	821174	811523			
						1.0	0.4	283	17.2		8.0		30.9		127.8		10.2		1.2		5						
					Middle	3.8	0.3	273	17.2	8.0	8.0	30.9	30.9	125.6	125.2	10.0	10.0	1.3	7								
						3.8	0.3	279	17.2	8.0	8.0	30.9	30.9	124.8	124.8	10.0	10.0	1.3	6								
					Bottom	6.6	0.3	266	17.2	8.0	8.0	30.8	30.8	116.8	116.0	9.3	9.3	1.6	7								
						6.6	0.4	265	17.2	8.0	8.0	30.8	30.8	115.1	115.1	9.2	9.2	1.6	6								
SR1A	Rainy	Rough	08:43	4.4	Surface	1.0	0.0	215	17.0	17.0	8.1	8.1	31.4	31.4	125.3	124.5	10.0	10.0	1.0	1.5	6	7	819976	812656			
						1.0	0.1	221	16.9		8.1		31.5		123.6		9.9		1.1		6						
					Middle	2.2	0.0	222	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.2	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.4	0.0	211	16.5	8.1	8.1	31.6	30.8	113.2	111.7	9.1	9.0	1.9	7								
						3.4	0.0	203	16.4	8.1	8.1	29.9	30.8	110.2	110.2	8.9	8.9	2.0	8								
SR2	Rainy	Rough	08:31	4.6	Surface	1.0	0.0	313	17.2	17.2	8.0	8.0	31.0	31.0	120.6	117.7	9.6	9.4	1.2	1.4	6	7	821463	814146			
						1.0	0.0	318	17.2		8.0		31.0		114.7		9.2		1.2		6						
					Middle	-	0.0	321	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.0	324	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.6	0.1	316	17.2	8.0	8.0	31.0	30.9	111.7	110.6	8.9	8.9	1.5	7								
						3.6	0.1	322	17.2	8.0	8.0	30.8	30.9	109.5	109.5	8.8	8.8	1.6	8								
SR3	Cloudy	Rough	08:26	8.4	Surface	1.0	0.2	340	16.7	16.7	8.0	8.0	31.8	31.8	135.3	135.3	10.9	10.9	3.1	3.6	7	7	822147	807577			
						1.0	0.2	337	16.7		8.0		31.8		135.3		10.9		3.2		8						
					Middle	4.2	0.2	324	16.7	8.1	8.1	31.8	31.8	135.2	135.2	10.9	10.9	3.3	7								
						4.2	0.2	321	16.7	8.1	8.1	31.8	31.8	135.2	135.2	10.9	10.9	3.3	7								
					Bottom	7.4	0.3	309	16.7	8.1	8.1	31.8	31.8	134.5	134.5	10.8	10.8	4.4	7								
						7.4	0.3	311	16.7	8.1	8.1	31.8	31.8	134.5	134.5	10.8	10.8	4.4	7								
SR4A	Cloudy	Moderate	06:39	9.7	Surface	1.0	0.0	219	16.7	16.7	7.8	7.8	31.7	31.7	135.9	135.9	10.9	10.9	1.0	1.3	6	7	817196	807808			
						1.0	0.0	221	16.7		7.8		31.7		135.9		10.9		1.1		5						
					Middle	4.9	0.0	224	16.7	7.9	7.9	31.7	31.7	134.9	134.9	10.8	10.8	1.5	7								
						4.9	0.0	225	16.7	7.9	7.9	31.7	31.7	134.9	134.9	10.8	10.8	1.5	8								
					Bottom	8.7	0.0	218	16.7	7.9	7.9	31.7	31.7	133.3	133.3	10.7	10.7	1.5	8								
						8.7	0.0	212	16.7	7.9	7.9	31.7	31.7	133.2	133.2	10.7	10.7	1.5	7								
SR8	Rainy	Rough	08:58	5.2	Surface	1.0	-	-	17.0	17.0	8.0	8.0	31.1	31.1	124.7	122.4	10.0	9.8	1.0	1.2	6	7	820408	811608			
						1.0	-	-	16.9		8.0		31.1		120.1		9.6		1.1		7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.2	-	-	16.7	8.0	8.0	31.3	30.8	113.6	111.8	9.1	9.0	1.3	7								
						4.2	-	-	16.7	8.0	8.0	30.4	30.8	110.0	110.0	8.9	8.9	1.3	7								

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 07 February 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	13:46	8.8	Surface	1.0	0.1	188	17.5	17.5	8.2	8.2	29.9	29.9	132.4	132.2	10.6	10.4	5.1	7.8	4	3	815638	804266		
						1.0	0.1	182	17.5	8.2	8.2	29.9	29.9	131.9	132.2	10.6	10.4	5.6	7.8	3						
					Middle	4.4	0.1	210	17.4	17.4	8.2	8.2	30.0	30.0	128.4	128.1	10.3	10.4	8.1	7.8	4				3	
						4.4	0.1	206	17.4	17.4	8.2	8.2	30.0	30.0	127.7	128.1	10.2	10.4	8.5	7.8	3					
					Bottom	7.8	0.1	205	17.5	17.5	8.2	8.2	30.0	30.0	120.6	120.4	9.6	9.6	9.9	9.6	2					3
						7.8	0.1	200	17.5	17.5	8.2	8.2	30.0	30.0	120.2	120.4	9.6	9.6	9.8	9.6	3					
C2	Cloudy	Moderate	12:33	11.3	Surface	1.0	0.1	25	17.7	17.7	8.2	8.2	29.3	29.3	138.4	138.3	11.1	11.0	1.7	6.9	4	4	825698	806942		
						1.0	0.1	25	17.7	17.7	8.2	8.2	29.4	29.3	138.1	138.3	11.0	11.0	1.7	6.9	5					
					Middle	5.7	0.1	11	17.6	17.6	8.2	8.2	29.8	29.8	136.6	136.6	10.9	10.9	5.8	10.9	3				4	
						5.7	0.2	10	17.6	17.6	8.2	8.2	29.8	29.8	136.5	136.6	10.9	10.9	6.1	10.9	4					
					Bottom	10.3	0.1	30	17.6	17.6	8.3	8.3	29.9	29.9	136.4	136.4	10.9	10.9	13.1	10.9	3					4
						10.3	0.1	24	17.6	17.6	8.3	8.3	29.9	29.9	136.4	136.4	10.9	10.9	13.2	10.9	2					
C3	Sunny	Calm	14:18	11.4	Surface	1.0	0.2	102	17.4	17.4	8.0	8.0	31.1	31.1	137.4	137.4	10.9	10.7	2.5	4.4	3	4	822109	817793		
						1.0	0.2	98	17.4	17.4	8.0	8.0	31.1	31.1	137.4	137.4	10.9	10.7	2.5	4.4	3					
					Middle	5.7	0.3	85	17.1	17.1	8.0	8.0	31.3	31.3	131.6	131.6	10.5	10.7	3.7	10.7	3				4	
						5.7	0.3	85	17.1	17.1	8.0	8.0	31.3	31.3	131.5	131.6	10.5	10.7	3.8	10.7	4					
					Bottom	10.4	0.3	70	16.9	16.9	7.9	7.9	31.6	31.6	120.9	120.9	9.7	9.7	6.9	9.7	5					4
						10.4	0.3	75	16.9	16.9	7.9	7.9	31.6	31.6	120.9	120.9	9.7	9.7	6.9	9.7	4					
IM1	Cloudy	Moderate	13:26	6.4	Surface	1.0	0.0	124	17.6	17.6	8.2	8.2	29.6	29.6	138.3	138.1	11.1	10.7	3.7	9.3	5	4	818345	806480		
						1.0	0.1	131	17.6	17.6	8.2	8.2	29.6	29.6	137.9	138.1	11.0	10.7	4.0	9.3	4					
					Middle	3.2	0.1	125	17.6	17.6	8.2	8.2	30.0	30.0	128.7	128.6	10.3	10.7	11.0	10.7	4				4	
						3.2	0.1	122	17.6	17.6	8.2	8.2	30.0	30.0	128.4	128.6	10.2	10.7	12.3	10.7	5					
					Bottom	5.4	0.1	134	17.7	17.8	8.2	8.2	29.9	29.9	123.5	121.3	9.8	9.7	12.7	9.7	3					4
						5.4	0.1	128	17.8	17.8	8.2	8.2	29.9	29.9	119.0	121.3	9.5	9.7	12.2	9.7	4					
IM2	Cloudy	Moderate	13:22	7.2	Surface	1.0	0.0	77	17.6	17.6	8.2	8.2	29.8	29.8	134.0	133.4	10.7	10.4	6.8	10.0	2	3	819175	806232		
						1.0	0.0	83	17.6	17.6	8.2	8.2	29.9	29.8	132.8	133.4	10.6	10.4	7.4	10.0	3					
					Middle	3.6	0.1	84	17.6	17.6	8.2	8.2	29.9	29.9	127.3	127.0	10.2	10.4	9.5	10.4	2				3	
						3.6	0.0	82	17.6	17.6	8.2	8.2	29.9	29.9	126.6	127.0	10.1	10.4	10.3	10.4	3					
					Bottom	6.2	0.0	60	17.6	17.6	8.2	8.2	30.0	29.9	124.7	124.5	9.9	9.9	13.1	9.9	4					3
						6.2	0.0	66	17.6	17.6	8.2	8.2	29.9	29.9	124.3	124.5	9.9	9.9	13.1	9.9	3					
IM7	Cloudy	Moderate	13:03	7.9	Surface	1.0	0.2	66	17.8	17.8	8.2	8.2	29.4	29.5	134.9	134.8	10.8	10.4	1.6	3.1	2	2	821346	806824		
						1.0	0.2	66	17.7	17.7	8.2	8.2	29.5	29.5	134.6	134.8	10.7	10.4	1.8	3.1	2					
					Middle	4.0	0.2	65	17.7	17.7	8.2	8.2	30.0	30.0	127.1	126.9	10.1	10.4	3.5	10.4	3				2	
						4.0	0.2	72	17.7	17.7	8.2	8.2	30.0	30.0	126.7	126.9	10.1	10.4	3.7	10.4	2					
					Bottom	6.9	0.2	59	17.7	17.7	8.2	8.2	30.0	30.0	125.0	124.7	10.0	10.0	3.8	10.0	2					3
						6.9	0.2	58	17.7	17.7	8.2	8.2	30.0	30.0	124.4	124.7	9.9	10.0	3.9	10.0	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 07 February 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	Sunny	Moderate	12:31	9.1	Surface	1.0	0.1	28	17.4	7.9	7.9	29.7	29.7	140.5	140.5	11.3	11.3	1.5	1.5	3	3	822244	809833				
						1.0	0.0	20	17.4	7.9	7.9	29.7	29.7	140.5	140.5	11.3	11.3	1.5	1.5	3	3						
					Middle	4.6	0.0	26	17.3	7.9	7.9	30.4	30.4	138.3	138.3	11.1	11.1	2.0	2.0	4	4			3	3		
						4.6	-	30	17.3	7.9	7.9	30.4	30.4	138.2	138.2	11.1	11.1	2.0	2.0	3	3						
					Bottom	8.1	0.0	39	17.2	7.8	7.8	30.7	30.7	134.3	134.3	10.8	10.8	2.4	2.4	3	3			3	3		
						8.1	0.1	41	17.2	7.8	7.8	30.7	30.7	134.2	134.2	10.7	10.7	2.4	2.4	2	2						
IM11	Sunny	Moderate	12:45	8.2	Surface	1.0	0.0	77	17.4	8.0	8.0	30.6	30.6	138.8	138.7	11.1	11.1	2.9	2.9	2	2	821517	810565				
						1.0	0.0	83	17.4	8.0	8.0	30.6	30.6	138.6	138.6	11.1	11.1	2.9	2.9	2	2						
					Middle	4.1	0.1	56	17.4	8.0	8.0	30.7	30.7	137.5	137.4	11.0	11.0	1.4	1.4	4	4			3	3		
						4.1	0.0	52	17.4	8.0	8.0	30.7	30.7	137.3	137.3	11.0	11.0	1.5	1.5	3	3						
					Bottom	7.2	0.1	50	17.2	8.0	8.0	30.7	30.7	134.4	134.4	10.8	10.8	1.8	1.8	4	4			3	3		
						7.2	0.0	54	17.2	8.0	8.0	30.7	30.7	134.3	134.3	10.8	10.8	1.8	1.8	3	3						
IM12	Sunny	Moderate	12:54	7.9	Surface	1.0	0.1	83	17.2	8.0	8.0	30.6	30.6	138.8	138.8	11.1	11.1	1.9	1.9	3	3	821175	811507				
						1.0	0.2	78	17.2	8.0	8.0	30.6	30.6	138.7	138.7	11.1	11.1	2.0	2.0	4	4						
					Middle	4.0	0.2	83	17.2	8.0	8.0	30.7	30.7	135.1	135.0	10.8	10.8	1.8	1.8	3	3			3	3		
						4.0	0.2	88	17.2	8.0	8.0	30.7	30.7	134.9	134.9	10.8	10.8	1.8	1.8	3	3						
					Bottom	6.9	0.1	65	17.1	8.0	8.0	30.8	30.8	132.6	132.6	10.6	10.6	2.5	2.5	3	3			3	3		
						6.9	0.2	60	17.1	8.0	8.0	30.8	30.8	132.5	132.5	10.6	10.6	2.5	2.5	3	3						
SR1A	Sunny	Calm	13:39	4.2	Surface	1.0	0.0	24	17.2	8.0	8.0	30.6	30.6	138.4	138.3	11.1	11.1	1.0	1.0	3	3	819981	812663				
						1.0	0.1	26	17.2	8.0	8.0	30.6	30.6	138.2	138.2	11.1	11.1	1.0	1.0	4	4						
					Middle	2.1	0.0	359	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						2.1	0.1	2	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.2	0.0	355	17.3	8.0	8.0	31.1	31.1	127.6	127.5	10.2	10.2	1.5	1.5	3	3			3	3		
						3.2	0.0	353	17.3	8.0	8.0	31.1	31.1	127.3	127.3	10.1	10.1	1.5	1.5	3	3						
SR2	Sunny	Calm	13:55	4.7	Surface	1.0	0.2	69	17.2	8.0	8.0	30.7	30.7	138.0	138.0	11.0	11.0	1.4	1.4	4	4	821442	814154				
						1.0	0.2	75	17.2	8.0	8.0	30.7	30.7	137.9	137.9	11.0	11.0	1.4	1.4	5	5						
					Middle	-	0.2	62	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.2	65	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.7	0.2	57	17.2	8.0	8.0	30.8	30.8	135.4	135.4	10.8	10.8	1.7	1.7	3	3			3	3		
						3.7	0.2	58	17.2	8.0	8.0	30.8	30.8	135.3	135.3	10.8	10.8	1.7	1.7	2	2						
SR3	Cloudy	Moderate	12:57	8.8	Surface	1.0	0.1	41	17.7	8.3	8.3	29.0	29.1	138.5	138.3	11.1	11.0	0.5	0.6	3	2	822134	807584				
						1.0	0.1	47	17.7	8.3	8.3	29.1	29.1	138.0	138.0	11.0	10.9	0.6	1.0	2	3						
					Middle	4.4	0.1	38	17.6	8.3	8.3	29.6	29.6	136.2	136.1	10.9	10.9	1.0	1.0	3	3			3	3		
						4.4	0.1	44	17.6	8.3	8.3	29.6	29.6	136.0	136.0	10.9	10.9	1.0	1.0	3	3						
					Bottom	7.8	0.1	22	17.6	8.3	8.3	29.9	29.9	135.1	135.1	10.8	10.8	1.2	1.2	4	4			3	3		
						7.8	0.1	24	17.6	8.3	8.3	29.9	29.9	135.0	135.1	10.8	10.8	1.2	1.2	3	3						
SR4A	Cloudy	Moderate	14:12	8.6	Surface	1.0	0.0	68	17.7	8.3	8.3	29.9	29.9	135.8	135.7	10.8	10.8	2.6	2.6	4	3	817186	807811				
						1.0	0.0	66	17.7	8.3	8.3	29.9	29.9	135.6	135.6	10.8	10.8	2.6	2.6	3	3						
					Middle	4.3	0.0	88	17.7	8.3	8.3	30.0	30.0	127.0	126.8	10.1	10.1	3.4	3.4	3	3			3	3		
						4.3	0.0	80	17.7	8.3	8.3	30.1	30.1	126.6	126.6	10.1	10.1	3.4	3.4	3	3						
					Bottom	7.6	0.0	70	17.7	8.3	8.3	30.1	30.1	121.8	121.5	9.7	9.7	3.8	3.8	2	2			3	3		
						7.6	0.0	67	17.7	8.3	8.3	30.0	30.0	121.1	121.1	9.6	9.6	3.9	3.9	3	3						
SR8	Sunny	Calm	13:02	4.4	Surface	1.0	-	-	17.4	8.0	8.0	30.6	30.6	136.0	136.0	10.9	10.9	1.5	1.5	2	4	820412	811615				
						1.0	-	-	17.4	8.0	8.0	30.6	30.6	136.0	136.0	10.9	10.9	1.5	1.5	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.4	-	-	17.1	8.0	8.0	30.7	30.7	133.2	133.2	10.7	10.7	1.9	1.9	3	3			3	3		
						3.4	-	-	17.1	8.0	8.0	30.7	30.7	133.2	133.2	10.7	10.7	1.9	1.9	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 07 February 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	08:55	8.4	Surface	1.0	0.3	42	17.6	17.6	8.2	8.2	29.5	29.5	134.4	134.2	10.8	10.5	3.8	8.1	4	4	815608	804264				
						1.0	0.3	48	17.6		8.2		29.5		133.9		10.7		4.0		6							
					Middle	4.2	0.4	38	17.5	17.5	8.2	8.2	29.8	29.8	129.5	127.2	10.4	9.9	10.0	9.9	10.0	9.9			10.0	9.7	4	3
						4.2	0.3	38	17.5		8.2		29.8		124.8		10.0		10.8		5							
					Bottom	7.4	0.4	22	17.5	17.5	8.2	8.2	29.8	29.8	123.0	122.7	9.9	9.8	9.9	9.8	10.0	9.8			9.7	9.6	3	3
						7.4	0.4	25	17.5		8.2		29.8		122.4		122.7		9.8		9.9				9.7		3	
C2	Cloudy	Moderate	10:15	11.5	Surface	1.0	0.3	356	17.7	17.7	8.3	8.3	29.3	29.4	133.8	133.6	10.7	10.6	1.0	10.6	3	3	825671	806930				
						1.0	0.3	1	17.7		8.3		29.4		133.3		10.7		1.1		3							
					Middle	5.8	0.3	352	17.6	17.6	8.3	8.3	29.9	29.9	130.5	130.3	10.4	9.9	10.4	9.9	9.6	9.9			9.6	9.6	3	3
						5.8	0.2	348	17.6		8.3		29.9		130.1		10.4		2.5		3							
					Bottom	10.5	0.3	14	17.6	17.6	8.3	8.3	29.8	29.8	124.3	124.1	9.9	9.9	9.9	9.9	9.6	9.9			9.6	9.6	4	4
						10.5	0.3	6	17.6		8.3		29.8		123.9		124.1		9.9		9.9				9.6		4	
C3	Sunny	Calm	07:47	12.2	Surface	1.0	0.4	271	17.1	17.1	8.0	8.0	30.9	30.9	132.7	132.6	10.6	10.5	3.3	10.5	5	4	822118	817781				
						1.0	0.4	269	17.1		8.0		30.9		132.5		10.6		3.3		4							
					Middle	6.1	0.4	278	17.0	17.0	8.0	8.0	31.0	31.0	130.1	130.1	10.4	10.4	10.4	10.4	5.0	10.4			4	4		
						6.1	0.4	271	17.0		8.0		31.0		130.1		10.4		5.1		4							
					Bottom	11.2	0.3	239	17.0	17.0	8.0	8.0	31.0	31.0	129.6	129.7	10.4	10.4	10.4	10.4	7.7	10.4			7.8	10.4	3	4
						11.2	0.3	237	17.0		8.0		31.0		129.7		129.7		10.4		7.8				4			
IM1	Cloudy	Moderate	09:18	6.9	Surface	1.0	0.3	29	17.5	17.5	8.2	8.2	29.8	29.8	133.6	133.5	10.7	10.7	7.6	10.7	4	2	818341	806434				
						1.0	0.2	31	17.5		8.2		29.8		133.4		10.7		7.5		2							
					Middle	3.5	0.2	23	17.6	17.6	8.2	8.2	29.9	29.9	132.7	132.7	10.6	10.6	10.6	10.6	7.5	10.6			2	2		
						3.5	0.2	30	17.6		8.2		29.9		132.6		10.6		6.9		2							
					Bottom	5.9	0.3	33	17.6	17.6	8.2	8.2	30.0	30.0	125.6	125.5	10.0	10.0	10.0	10.0	10.3	10.0			10.3	10.0	3	2
						5.9	0.3	33	17.6		8.2		30.0		125.4		125.5		10.0		10.0				10.3		2	
IM2	Cloudy	Moderate	09:23	7.4	Surface	1.0	0.3	21	17.6	17.6	8.2	8.2	29.8	29.8	131.0	130.7	10.5	10.3	6.8	10.3	2	2	819162	806219				
						1.0	0.3	26	17.6		8.2		29.8		130.4		10.4		7.1		2							
					Middle	3.7	0.3	34	17.6	17.6	8.2	8.2	30.0	30.0	128.3	128.0	10.2	10.2	10.2	10.2	8.8	10.2			3	3		
						3.7	0.3	36	17.6		8.2		30.0		127.7		128.0		9.1		4							
					Bottom	6.4	0.3	356	17.6	17.6	8.2	8.2	30.0	30.0	125.4	125.2	10.0	10.0	10.0	10.0	8.5	10.0			8.3	10.0	4	4
						6.4	0.2	348	17.6		8.2		30.0		125.0		125.2		10.0		8.3				4			
IM7	Cloudy	Moderate	09:43	8.2	Surface	1.0	0.3	24	17.7	17.7	8.2	8.2	29.4	29.4	134.2	134.0	10.7	10.6	1.6	10.6	3	3	821327	806832				
						1.0	0.3	31	17.7		8.2		29.5		133.8		10.7		1.6		3							
					Middle	4.1	0.2	5	17.6	17.6	8.2	8.2	30.0	30.0	131.4	131.4	10.5	10.5	10.5	10.5	3.1	10.5			4	4		
						4.1	0.2	3	17.6		8.2		30.0		131.3		10.5		3.0		3							
					Bottom	7.2	0.2	5	17.6	17.6	8.2	8.2	30.0	30.0	130.2	130.2	10.4	10.4	10.4	10.4	3.4	10.4			3	3		
						7.2	0.2	5	17.6		8.2		30.0		130.1		130.2		10.4		3.4				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 07 February 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	Sunny	Calm	09:37	9.7	Surface	1.0	0.3	310	17.2	17.2	8.0	8.0	29.8	29.8	138.4	138.4	11.1	11.1	2.9	3.7	3	4	822224	809819		
						1.0	0.3	314	17.2		8.0	8.0	29.8	29.8	138.4	138.4	11.1	11.1	2.9		3					
					Middle	4.9	0.3	288	17.2	17.2	8.0	8.0	30.8	30.8	134.6	134.6	10.8	10.8	3.9	11.0	4				3	4
						4.9	0.3	289	17.2		8.0	8.0	30.8	30.8	134.6	134.6	10.8	10.8	3.9		4					
					Bottom	8.7	0.3	299	17.2	17.2	8.0	8.0	30.8	30.8	131.2	131.2	10.5	10.5	4.2	10.5	5				4	4
						8.7	0.3	298	17.2		8.0	8.0	30.8	30.8	131.1	131.1	10.5	10.5	4.3		4					
IM11	Sunny	Calm	09:23	8.2	Surface	1.0	0.4	275	17.2	17.2	8.0	8.0	30.7	30.7	136.6	136.6	10.9	10.9	2.7	3.2	4	4	821504	810526		
						1.0	0.3	269	17.2		8.0	8.0	30.7	30.7	136.5	136.5	10.9	10.9	2.7		4					
					Middle	4.1	0.4	302	17.1	17.1	8.0	8.0	30.7	30.7	135.5	135.5	10.9	10.9	3.4	10.9	4				3	4
						4.1	0.4	302	17.1		8.0	8.0	30.7	30.7	135.5	135.5	10.9	10.9	3.4		3					
					Bottom	7.2	0.4	268	17.1	17.1	8.0	8.0	30.8	30.8	133.6	133.6	10.7	10.7	3.3	10.7	3				4	4
						7.2	0.4	273	17.1		8.0	8.0	30.8	30.8	133.4	133.4	10.7	10.7	3.4		4					
IM12	Sunny	Calm	09:11	8.7	Surface	1.0	0.4	276	17.2	17.2	8.0	8.0	30.6	30.6	137.8	137.8	11.0	11.0	1.8	2.0	4	4	821150	811501		
						1.0	0.4	276	17.2		8.0	8.0	30.6	30.6	137.7	137.7	11.0	11.0	1.8		5					
					Middle	4.4	0.4	268	17.1	17.1	8.0	8.0	30.8	30.8	134.4	134.4	10.8	10.8	1.9	10.9	3				4	4
						4.4	0.4	274	17.1		8.0	8.0	30.8	30.8	134.3	134.3	10.8	10.8	2.0		4					
					Bottom	7.7	0.4	259	17.1	17.1	8.0	8.0	30.8	30.8	132.2	132.2	10.6	10.6	2.2	10.6	4				2	4
						7.7	0.3	262	17.1		8.0	8.0	30.8	30.8	132.1	132.1	10.6	10.6	2.3		2					
SR1A	Sunny	Calm	08:26	4.8	Surface	1.0	0.0	189	17.2	17.2	8.0	8.0	30.4	30.4	131.8	131.8	10.6	10.6	1.4	1.8	3	4	819972	812655		
						1.0	0.0	188	17.2		8.0	8.0	30.5	30.4	131.7	131.8	10.6	10.6	1.4		4					
					Middle	2.4	0.0	206	-	-	-	-	-	-	-	-	-	-	-	10.6	-				-	4
						2.4	0.0	199	-		-	-	-	-	-	-	-	-	-		-					
					Bottom	3.8	0.0	198	17.2	17.2	8.0	8.0	30.9	30.9	125.1	125.1	10.0	10.0	2.2	10.0	4				4	4
						3.8	0.1	201	17.2		8.0	8.0	30.9	30.9	125.1	125.1	10.0	10.0	2.1		4					
SR2	Sunny	Calm	08:06	5.1	Surface	1.0	0.1	249	17.1	17.1	8.0	8.0	30.8	30.8	135.9	135.9	10.9	10.9	1.5	2.0	4	4	821457	814159		
						1.0	0.1	256	17.1		8.0	8.0	30.8	30.8	135.9	135.9	10.9	10.9	1.5		3					
					Middle	-	0.1	270	-	-	-	-	-	-	-	-	-	-	-	10.9	-				-	4
						-	0.1	264	-		-	-	-	-	-	-	-	-	-		-					
					Bottom	4.1	0.1	274	17.1	17.1	8.0	8.0	30.8	30.8	134.3	134.3	10.8	10.8	2.4	10.8	4				4	4
						4.1	0.1	279	17.1		8.0	8.0	30.8	30.8	134.2	134.3	10.7	10.7	2.4		4					
SR3	Cloudy	Moderate	09:49	8.8	Surface	1.0	0.4	339	17.7	17.7	8.2	8.2	28.7	28.7	139.3	139.2	11.2	11.1	0.1	1.1	3	3	822168	807555		
						1.0	0.4	336	17.7		8.2	8.2	28.8	28.7	139.1	139.2	11.1	11.1	0.1		3					
					Middle	4.4	0.3	349	17.6	17.6	8.2	8.2	29.4	29.5	135.6	133.6	10.8	10.8	1.5	10.9	3				2	4
						4.4	0.3	342	17.6		8.2	8.2	29.5	29.5	131.6	133.6	10.5	10.5	1.6		2					
					Bottom	7.8	0.3	330	17.6	17.6	8.2	8.2	29.8	29.8	129.8	129.8	10.4	10.4	1.6	10.4	2				3	4
						7.8	0.3	323	17.6		8.2	8.2	29.8	29.8	129.4	129.6	10.3	10.3	1.6		3					
SR4A	Cloudy	Moderate	08:27	8.6	Surface	1.0	0.0	193	17.6	17.6	8.2	8.2	30.2	30.2	131.5	131.4	10.5	10.5	5.6	5.4	2	3	817182	807811		
						1.0	0.1	185	17.6		8.2	8.2	30.2	30.2	131.3	131.4	10.5	10.4	5.6		4					
					Middle	4.3	0.0	224	17.6	17.6	8.1	8.1	30.2	30.2	129.8	129.7	10.3	10.3	5.3	10.4	3				2	4
						4.3	0.1	216	17.6		8.1	8.1	30.2	30.2	129.5	129.7	10.3	10.3	5.3		2					
					Bottom	7.6	0.0	231	17.7	17.7	8.1	8.1	30.2	30.2	128.2	128.1	10.2	10.2	5.4	10.2	2				3	4
						7.6	0.0	227	17.7		8.1	8.1	30.2	30.2	127.9	127.9	10.2	10.2	5.6		3					
SR8	Sunny	Calm	08:59	5.3	Surface	1.0	-	-	17.3	17.3	8.0	8.0	30.5	30.5	136.2	136.2	10.9	10.9	1.2	1.8	3	4	820387	811629		
						1.0	-	-	17.3		8.0	8.0	30.5	30.5	136.2	136.2	10.9	10.9	1.2		4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	-				-	4
						-	-	-	-		-	-	-	-	-	-	-	-	-		-					
					Bottom	4.3	-	-	17.2	17.2	8.0	8.0	30.8	30.8	132.8	132.8	10.6	10.6	2.5	10.6	4				5	4
						4.3	-	-	17.2		8.0	8.0	30.8	30.8	132.7	132.7	10.6	10.6	2.4		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 09 February 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	15:03	8.0	Surface	1.0	0.2	196	17.8	8.4	8.4	31.3	31.3	124.3	124.4	9.8	9.8	5.9	6.2	4	4	815636	804263	
						1.0	0.1	196	17.8	8.4	8.4	31.3	31.3	124.4	124.4	9.8	9.8	6.2	6.2	4	4			
					Middle	4.0	0.2	190	17.7	8.4	8.4	31.3	31.3	119.9	119.8	9.5	9.5	7.5	7.8	4	4			
						4.0	0.2	185	17.7	8.4	8.4	31.3	31.3	119.6	119.6	9.5	9.5	7.8	7.8	4	4			
					Bottom	7.0	0.2	207	17.7	8.4	8.4	31.3	31.3	117.8	117.4	9.3	9.3	5.0	5.0	4	4			
						7.0	0.2	201	17.7	8.4	8.4	31.3	31.3	116.9	117.4	9.2	9.3	5.0	5.0	4	4			
C2	Cloudy	Moderate	13:39	11.7	Surface	1.0	0.0	58	18.2	8.4	8.4	28.9	28.9	124.0	124.0	9.8	9.8	0.1	3.9	4	5	825683	806923	
						1.0	0.1	61	18.1	8.4	8.4	28.9	28.9	124.0	124.0	9.8	9.8	0.1	3.9	3	5			
					Middle	5.9	0.0	68	17.9	8.3	8.3	29.7	29.7	118.7	118.6	9.4	9.4	5.4	5.4	4	5			
						5.9	0.1	62	17.9	8.3	8.3	29.7	29.7	118.5	118.6	9.4	9.4	5.7	5.7	4	5			
					Bottom	10.7	0.1	46	17.8	8.3	8.3	29.8	29.8	117.9	117.9	9.4	9.4	6.0	6.0	4	5			
						10.7	0.0	47	17.8	8.3	8.3	29.8	29.8	117.8	117.9	9.4	9.4	6.1	6.1	4	5			
C3	Fine	Calm	14:37	11.0	Surface	1.0	0.3	88	17.3	8.0	8.0	30.9	30.9	115.2	115.1	9.2	9.2	1.4	3.1	5	5	822086	817789	
						1.0	0.3	83	17.2	8.0	8.0	30.9	30.9	114.9	115.1	9.2	9.2	1.4	3.1	6	5			
					Middle	5.5	0.3	83	17.2	8.0	8.0	30.8	30.8	112.7	110.7	9.0	9.0	3.8	3.8	4	5			
						5.5	0.3	84	17.2	8.1	8.1	30.8	30.8	108.6	110.7	8.7	8.7	3.9	3.9	4	5			
					Bottom	10.0	0.3	81	17.2	8.1	8.1	30.7	30.7	108.3	107.6	8.7	8.7	4.0	4.0	4	5			
						10.0	0.3	79	17.2	8.1	8.1	30.7	30.7	106.9	107.6	8.6	8.7	4.1	4.1	4	5			
IM1	Cloudy	Moderate	14:41	6.6	Surface	1.0	0.1	192	17.8	8.4	8.4	30.7	30.7	119.0	118.9	9.4	9.4	4.4	5.1	5	5	818342	806447	
						1.0	0.1	184	17.8	8.4	8.4	30.7	30.7	118.8	118.9	9.4	9.4	4.5	4.5	6	5			
					Middle	3.3	0.0	195	17.6	8.3	8.3	30.8	30.8	117.5	117.4	9.3	9.3	5.1	5.1	4	5			
						3.3	0.1	194	17.6	8.3	8.3	30.8	30.8	117.3	117.4	9.3	9.3	5.2	5.2	4	5			
					Bottom	5.6	0.1	198	17.6	8.3	8.3	30.9	30.8	111.4	111.2	8.8	8.8	5.5	5.5	4	5			
						5.6	0.1	196	17.6	8.3	8.3	30.8	30.8	110.9	111.2	8.8	8.8	6.0	6.0	4	5			
IM2	Cloudy	Moderate	14:36	6.8	Surface	1.0	0.0	143	17.8	8.4	8.4	30.6	30.6	118.4	118.4	9.4	9.4	5.3	9.1	3	5	819192	806215	
						1.0	0.0	147	17.8	8.4	8.4	30.6	30.6	118.3	118.4	9.4	9.4	5.4	5.4	4	5			
					Middle	3.4	0.1	137	17.6	8.4	8.4	30.7	30.7	116.1	116.1	9.2	9.2	7.2	7.2	5	5			
						3.4	0.1	134	17.6	8.4	8.4	30.7	30.7	116.0	116.1	9.2	9.2	6.8	6.8	5	5			
					Bottom	5.8	0.0	113	17.7	8.3	8.3	30.8	30.8	109.9	109.7	8.7	8.7	15.0	15.0	5	6			
						5.8	0.0	111	17.7	8.3	8.3	30.8	30.8	109.4	109.7	8.7	8.7	14.8	14.8	6	6			
IM7	Cloudy	Moderate	14:16	7.6	Surface	1.0	0.1	68	18.1	8.4	8.4	29.1	29.1	122.2	122.2	9.7	9.7	0.3	0.5	4	6	821362	806844	
						1.0	0.1	70	18.1	8.4	8.4	29.1	29.1	122.2	122.2	9.7	9.7	0.3	0.3	4	6			
					Middle	3.8	0.1	76	17.9	8.3	8.3	29.6	29.6	116.3	116.2	9.3	9.3	0.5	0.5	6	6			
						3.8	0.1	73	17.9	8.3	8.3	29.6	29.6	116.1	116.2	9.2	9.2	0.6	0.6	5	6			
					Bottom	6.6	0.2	62	17.8	8.3	8.3	29.8	29.8	108.0	107.9	8.6	8.6	0.5	0.5	7	6			
						6.6	0.2	66	17.8	8.3	8.3	29.8	29.8	107.7	107.9	8.6	8.6	0.6	0.6	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 09 February 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	13:28	8.0	Surface	1.0	0.1	26	17.5	17.5	7.9	7.9	29.5	29.5	116.1	115.7	9.3	9.1	1.0	1.5	5	5	822236	809841			
						1.0	0.1	32	17.5		7.9		29.5		115.3		9.3		1.1		5						
					Middle	4.0	0.0	23	17.4	7.9	7.9	29.4	29.3	109.9	109.5	8.8	9.1	1.4	5								
						4.0	0.0	19	17.4	7.9	7.9	29.3	29.3	109.1	109.5	8.8	9.1	1.5	5								
					Bottom	7.0	0.1	58	17.4	7.8	7.8	29.1	29.0	107.2	106.7	8.6	8.6	2.0	4								
						7.0	0.1	57	17.4	7.8	7.8	28.9	29.0	106.1	106.7	8.5	8.6	2.0	4								
IM11	Fine	Calm	13:40	9.2	Surface	1.0	0.1	82	17.5	17.5	8.0	8.0	29.9	29.9	117.6	117.6	9.4	9.4	2.1	2.8	4	5	821516	810543			
						1.0	0.1	88	17.5		8.0		29.9		117.5		9.4		2.2		4						
					Middle	4.6	0.1	81	17.5	8.0	8.0	29.9	29.9	117.1	117.1	9.4	9.4	3.0	4								
						4.6	0.1	84	17.5	8.0	8.0	29.9	29.9	117.0	117.1	9.4	9.4	2.9	5								
					Bottom	8.2	0.1	69	17.5	8.0	8.0	29.9	29.9	116.9	116.9	9.3	9.3	3.4	5								
						8.2	0.1	67	17.5	8.0	8.0	29.9	29.9	116.9	116.9	9.3	9.3	3.4	5								
IM12	Fine	Calm	13:46	9.6	Surface	1.0	0.1	98	17.4	17.4	8.0	8.0	30.0	30.0	116.7	116.6	9.3	9.3	1.3	2.3	4	5	821147	811533			
						1.0	0.1	100	17.4		8.0		30.0		116.5		9.3		1.3		4						
					Middle	4.8	0.1	103	17.4	8.0	8.1	29.8	29.8	115.8	115.6	9.3	9.3	2.4	4								
						4.8	0.1	103	17.4	8.1	8.1	29.8	29.8	115.4	115.6	9.2	9.2	2.4	5								
					Bottom	8.6	0.1	76	17.4	8.1	8.1	29.7	29.7	110.0	109.7	8.8	8.8	3.3	6								
						8.6	0.1	81	17.4	8.1	8.1	29.7	29.7	109.3	109.7	8.8	8.8	3.3	6								
SR1A	Fine	Calm	14:06	5.4	Surface	1.0	0.0	54	17.6	17.6	8.0	8.0	30.3	30.3	114.1	114.1	9.1	9.1	1.9	2.2	5	5	819980	812654			
						1.0	0.1	49	17.6		8.0		30.3		114.1		9.1		1.8		4						
					Middle	2.7	0.0	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						2.7	0.0	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.4	0.0	56	17.6	8.0	8.0	30.3	30.3	114.0	114.0	9.1	9.1	2.5	5								
						4.4	0.0	61	17.6	8.0	8.0	30.3	30.3	114.0	114.0	9.1	9.1	2.5	6								
SR2	Fine	Calm	14:19	5.0	Surface	1.0	0.2	55	17.5	17.5	8.0	8.0	30.1	30.0	114.6	114.1	9.2	9.2	1.8	2.0	5	5	821460	814185			
						1.0	0.2	49	17.5		8.0		30.0		113.6		9.1		1.8		4						
					Middle	-	0.1	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						-	0.1	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.0	0.1	42	17.5	8.1	8.1	29.9	29.9	106.5	106.0	8.5	8.5	2.3	6								
						4.0	0.1	39	17.5	8.0	8.1	29.9	29.9	105.4	106.0	8.4	8.5	2.2	5								
SR3	Cloudy	Moderate	14:08	9.2	Surface	1.0	0.1	102	18.0	18.0	8.4	8.4	29.3	29.3	119.2	119.1	9.5	9.3	1.1	2.6	4	4	822126	807560			
						1.0	0.1	96	18.0		8.4		29.3		118.9		9.4		1.1		4						
					Middle	4.6	0.1	106	17.9	8.3	8.3	29.8	29.8	115.3	115.2	9.2	9.2	2.9	4								
						4.6	0.1	104	17.9	8.3	8.3	29.8	29.8	115.0	115.2	9.1	9.1	3.1	5								
					Bottom	8.2	0.1	104	17.9	8.3	8.3	29.8	29.8	110.1	109.9	8.7	8.7	3.5	4								
						8.2	0.1	105	17.9	8.3	8.3	29.8	29.8	109.7	109.9	8.7	8.7	3.6	5								
SR4A	Cloudy	Moderate	15:31	8.8	Surface	1.0	0.0	73	17.8	17.8	8.4	8.4	30.5	30.5	119.6	119.5	9.5	9.5	4.7	5.4	5	5	817207	807833			
						1.0	0.0	77	17.8		8.4		30.5		119.4		9.5		4.8		5						
					Middle	4.4	0.1	71	17.7	8.4	8.4	30.6	30.6	118.2	118.2	9.4	9.4	5.4	5								
						4.4	0.0	74	17.7	8.4	8.4	30.6	30.6	118.1	118.2	9.4	9.4	5.5	5								
					Bottom	7.8	0.0	70	17.7	8.4	8.4	30.6	30.6	111.9	111.7	8.9	8.9	5.9	6								
						7.8	0.0	67	17.7	8.4	8.4	30.6	30.6	111.4	111.7	8.8	8.9	5.9	5								
SR8	Fine	Calm	13:51	5.8	Surface	1.0	-	-	17.6	17.6	8.1	8.1	29.8	29.8	113.9	113.9	9.1	9.1	1.8	2.6	4	4	820371	811622			
						1.0	-	-	17.5		8.1		29.7		113.8		9.1		1.9		3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
					Bottom	4.8	-	-	17.4	8.0	8.0	29.3	29.1	106.4	105.0	8.6	8.5	3.4	5								
						4.8	-	-	17.4	8.0	8.0	29.0	29.1	103.5	105.0	8.3	8.5	3.4	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 09 February 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	Moderate	09:28	8.8	Surface	1.0	0.4	39	17.5	17.5	8.2	8.2	30.6	30.6	117.4	117.3	9.3	9.3	5.5	8.6	4	5	815634	804269
						1.0	0.3	34	17.5		8.2		30.6		117.2		9.3		6.1		4			
					Middle	4.4	0.3	30	17.5	8.2	8.2	30.6	30.6	115.5	115.4	9.2	9.2	10.8	4					
						4.4	0.3	34	17.5	8.2	8.2	30.6	30.6	115.3	115.4	9.2	9.2	10.2	5					
					Bottom	7.8	0.3	23	17.5	8.2	8.2	30.4	30.4	107.1	106.6	8.5	8.5	9.3	5					
						7.8	0.3	18	17.6	8.2	8.2	30.4		30.4		106.1		106.6	8.4	8.5	9.7			
C2	Cloudy	Moderate	10:50	11.2	Surface	1.0	0.3	341	17.9	17.9	8.3	8.3	29.0	29.0	123.2	123.2	9.8	9.8	1.0	5.0	4	5	825705	806955
						1.0	0.4	346	17.9		8.3		29.0		29.0		123.2		9.8		1.0			
					Middle	5.6	0.4	351	17.8	8.3	8.3	29.2	29.2	118.3	118.2	9.4	9.4	1.2	4					
						5.6	0.4	353	17.8	8.3	8.3	29.2		118.1		118.2		9.4	9.4		1.2			
					Bottom	10.2	0.3	331	17.8	8.3	8.3	29.2	29.2	116.9	116.7	9.3	9.3	12.1	5					
						10.2	0.4	328	17.8	8.3	8.3	29.1		29.2		116.5		116.7	9.3		9.3			
C3	Fine	Calm	10:01	10.0	Surface	1.0	0.5	251	17.3	17.3	7.9	7.9	30.4	30.4	117.3	117.2	9.4	9.4	2.4	3.4	5	4	822100	817810
						1.0	0.5	245	17.3		7.9		7.9		30.5		30.4		117.0		117.2			
					Middle	5.0	0.5	254	17.2	7.9	7.9	30.5	30.5	115.5	115.4	9.2	9.2	3.1	4					
						5.0	0.4	252	17.2	7.9	7.9	30.5		30.5		115.2		115.4	9.2		9.2			
					Bottom	9.0	0.5	283	17.2	7.9	7.9	30.4	30.3	112.4	112.3	9.0	9.0	4.6	4					
						9.0	0.5	286	17.2	7.9	7.9	30.3		30.3		112.1		112.3	9.0		9.0			
IM1	Cloudy	Moderate	09:49	6.2	Surface	1.0	0.2	13	17.6	17.6	8.3	8.3	30.4	30.4	113.9	113.8	9.1	9.1	11.8	11.2	4	5	818349	806447
						1.0	0.2	19	17.6		8.3		8.3		30.4		30.4		113.7		113.8			
					Middle	3.1	0.2	24	17.6	8.3	8.3	30.4	30.4	110.7	110.6	8.8	8.8	10.9	5					
						3.1	0.2	19	17.6	8.3	8.3	30.4		30.4		110.5		110.6	8.8		8.8			
					Bottom	5.2	0.2	10	17.6	8.3	8.3	30.4	30.4	109.1	108.9	8.7	8.7	12.0	7					
						5.2	0.2	6	17.6	8.3	8.3	30.4		30.4		108.7		108.9	8.7		8.7			
IM2	Cloudy	Moderate	09:55	6.9	Surface	1.0	0.2	12	17.7	17.7	8.3	8.3	30.3	30.3	116.4	116.4	9.2	9.2	6.9	8.2	5	6	819195	806220
						1.0	0.2	16	17.7		8.3		8.3		30.3		30.3		116.3		116.4			
					Middle	3.5	0.2	33	17.6	8.3	8.3	30.4	30.4	115.2	115.2	9.2	9.2	7.9	5					
						3.5	0.2	27	17.6	8.3	8.3	30.4		30.4		115.2		115.2	9.2		9.2			
					Bottom	5.9	0.2	9	17.6	8.3	8.3	30.4	30.4	113.8	113.8	9.1	9.1	10.0	6					
						5.9	0.2	8	17.6	8.3	8.3	30.4		30.4		113.7		113.8	9.0		9.0			
IM7	Cloudy	Moderate	10:18	7.8	Surface	1.0	0.2	4	17.9	17.9	8.3	8.3	28.8	28.8	121.8	121.7	9.7	9.7	0.2	1.8	4	6	821341	806851
						1.0	0.2	3	17.9		8.3		8.3		28.8		28.8		121.5		121.7			
					Middle	3.9	0.2	9	17.9	8.3	8.3	29.2	29.2	120.5	120.4	9.6	9.6	1.4	5					
						3.9	0.2	9	17.9	8.3	8.3	29.2		29.2		120.3		120.4	9.6		9.6			
					Bottom	6.8	0.3	2	17.8	8.3	8.3	29.9	29.9	113.2	113.2	9.0	9.0	3.7	6					
						6.8	0.3	357	17.8	8.3	8.3	29.9		29.9		113.1		113.2	9.0		9.0			

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 February 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	Calm	11:02	8.4	Surface	1.0	0.3	305	17.4	17.4	7.9	7.9	30.5	30.5	115.4	115.4	9.2	9.2	2.0	3.3	5	5	822226	809814
						1.0	0.3	299	17.4		7.9		30.5		114.6		9.2		2.0		5			
					Middle	4.2	0.3	311	17.4	7.9	7.9	30.5	114.4	114.5	9.1	3.7	6							
						4.2	0.3	307	17.4	7.9	30.5	114.4	114.5	9.1	3.8	5								
					Bottom	7.4	0.3	275	17.4	7.9	7.9	30.5	108.6	108.4	8.7	4.2	6							
						7.4	0.4	267	17.4	7.9	30.5	108.2	108.4	8.6	4.3	5								
IM11	Fine	Calm	10:55	7.4	Surface	1.0	0.3	287	17.4	17.4	7.9	7.9	30.5	30.5	113.8	113.7	9.1	9.1	2.9	3.6	4	4	821523	810565
						1.0	0.3	294	17.4		7.9		30.5		113.6		9.1		2.8		4			
					Middle	3.7	0.3	269	17.3	7.9	7.9	30.5	112.8	112.6	9.0	3.8	4							
						3.7	0.3	270	17.3	7.9	30.5	112.4	112.6	9.0	3.8	4								
					Bottom	6.4	0.3	300	17.3	7.9	7.9	30.5	106.6	106.3	8.5	4.1	4							
						6.4	0.3	292	17.4	7.9	30.5	106.0	106.3	8.5	4.2	4								
IM12	Fine	Calm	10:50	7.6	Surface	1.0	0.4	293	17.3	17.3	8.0	8.0	30.4	30.4	113.0	113.0	9.0	8.9	1.0	1.8	7	6	821181	811497
						1.0	0.4	288	17.3		8.0		30.4		112.9		9.0		1.1		6			
					Middle	3.8	0.3	293	17.3	8.0	8.0	30.4	110.4	110.2	8.8	1.9	5							
						3.8	0.3	297	17.4	8.0	30.4	109.9	110.2	8.8	1.8	6								
					Bottom	6.6	0.3	268	17.4	8.0	8.0	30.3	106.5	105.7	8.5	2.4	4							
						6.6	0.4	263	17.4	8.0	30.3	104.8	105.7	8.4	2.5	5								
SR1A	Fine	Calm	10:29	4.6	Surface	1.0	0.0	175	17.7	17.8	7.9	7.9	30.3	30.3	107.7	107.5	8.5	8.5	1.6	1.6	4	5	819972	812656
						1.0	0.0	175	17.8		7.9		30.3		107.2		8.5		1.6		3			
					Middle	2.3	0.0	178	-	-	-	-	-	-	-	-	-							
						2.3	0.0	182	-	-	-	-	-	-	-	-	-							
					Bottom	3.6	0.0	184	17.9	7.9	7.9	30.2	100.8	100.8	8.0	1.6	6							
						3.6	0.0	177	18.0	7.9	7.9	30.0	100.7	100.8	8.0	1.6	5							
SR2	Fine	Calm	10:18	4.2	Surface	1.0	0.0	247	17.4	17.4	7.9	7.9	30.4	30.4	109.5	109.4	8.7	8.7	2.0	2.0	5	5	821442	814174
						1.0	0.1	245	17.4		7.9		30.4		109.2		8.7		2.0		4			
					Middle	-	0.1	253	-	-	-	-	-	-	-	-	-							
						-	0.1	260	-	-	-	-	-	-	-	-	-							
					Bottom	3.2	0.1	278	17.5	7.9	7.9	30.3	106.0	104.8	8.5	2.1	5							
						3.2	0.0	282	17.5	7.9	7.9	29.1	103.6	104.8	8.3	2.1	4							
SR3	Cloudy	Moderate	10:25	9.2	Surface	1.0	0.3	339	18.0	18.0	8.3	8.3	28.9	28.9	123.6	123.6	9.9	9.8	0.3	0.7	4	5	822156	807570
						1.0	0.3	343	18.0		8.3		28.9		123.5		9.8		0.3		5			
					Middle	4.6	0.3	332	17.9	8.3	8.3	29.1	122.5	122.5	9.8	0.8	4							
						4.6	0.3	338	17.9	8.3	29.1	122.5	9.8	0.8	5									
					Bottom	8.2	0.3	324	17.8	8.3	8.3	29.3	117.1	117.0	9.3	1.1	5							
						8.2	0.3	327	17.8	8.3	29.3	116.9	117.0	9.3	1.1	6								
SR4A	Cloudy	Moderate	09:00	9.2	Surface	1.0	0.0	197	17.8	17.8	8.2	8.2	30.3	30.3	118.8	118.8	9.4	9.4	1.7	2.4	6	6	817196	807790
						1.0	0.0	198	17.8		8.2		30.3		118.8		9.4		1.7		7			
					Middle	4.6	0.0	187	17.7	8.2	8.2	30.4	118.7	118.7	9.4	1.9	5							
						4.6	-	186	17.7	8.2	30.4	118.7	9.4	1.9	6									
					Bottom	8.2	0.1	210	17.6	8.2	8.2	30.5	115.4	115.4	9.2	3.6	5							
						8.2	0.1	209	17.6	8.2	30.5	115.3	115.4	9.2	3.5	4								
SR8	Fine	Calm	10:46	5.8	Surface	1.0	-	-	17.5	17.5	7.9	7.9	30.4	30.3	110.3	110.1	8.8	8.8	1.0	1.6	5	4	820406	811637
						1.0	-	-	17.5		7.9		30.3		109.9		8.8		1.1		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.8	-	-	17.7	7.9	7.9	30.0	104.5	102.6	8.3	2.3	4							
						4.8	-	-	17.7	7.9	29.8	100.7	102.6	8.0	2.2	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 February 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	16:06	8.6	Surface	1.0	0.2	209	17.7	17.7	7.9	7.9	31.9	31.9	114.3	114.2	9.0	8.9	4.3	6.6	2	3	815605	804248		
						1.0	0.2	204	17.7		7.9		31.9		114.1		9.0		4.4		2					
					Middle	4.3	0.2	218	17.6	17.6	7.9	7.9	32.0	32.0	112.6	112.5	8.9	8.6	4.8	8.6	3	8.6			3	8.6
						4.3	0.2	219	17.6		7.9		32.0		112.3		8.8		4.8		3					
					Bottom	7.6	0.2	192	17.6	17.6	7.8	7.8	32.1	32.1	108.7	108.7	8.6	8.6	10.4	8.6	3	8.6			3	8.6
						7.6	0.2	195	17.6		7.8		32.1		108.6		8.6		10.7		4					
C2	Cloudy	Rough	14:41	10.4	Surface	1.0	0.1	168	18.4	18.4	7.8	7.8	29.0	29.0	113.6	113.6	9.0	8.9	1.7	3.9	3	3	825660	806944		
						1.0	0.1	167	18.3		7.8		29.0		113.6		9.0		1.8		4					
					Middle	5.2	-	141	18.1	18.1	7.8	7.8	29.6	29.6	111.5	111.4	8.8	8.6	3.9	8.6	2	8.6			2	8.6
						5.2	0.0	141	18.1		7.8		29.7		111.3		8.8		4.0		2					
					Bottom	9.4	0.0	139	18.1	18.1	7.7	7.7	30.0	30.0	109.0	108.9	8.6	8.6	5.8	8.6	<2	8.6			<2	8.6
						9.4	0.0	131	18.1		7.7		29.9		108.8		8.6		5.9		<2					
C3	Misty	Rough	15:54	11.0	Surface	1.0	0.3	88	18.2	18.2	8.0	8.0	30.3	30.3	109.0	108.9	8.6	8.5	1.1	1.5	3	3	822109	817819		
						1.0	0.4	85	18.2		8.0		30.3		108.8		8.6		1.1		2					
					Middle	5.5	0.3	78	18.1	18.1	8.0	7.9	30.4	30.4	107.9	105.8	8.5	8.1	1.2	8.1	3	8.1			3	8.1
						5.5	0.3	83	18.1		7.9		30.4		103.7		8.2		1.3		3					
					Bottom	10.0	0.3	103	18.1	18.1	7.9	7.9	30.4	30.4	102.4	102.0	8.1	8.1	2.0	8.1	5	8.1			5	8.1
						10.0	0.3	103	18.1		7.9		30.4		101.6		8.0		2.1		4					
IM1	Cloudy	Moderate	15:44	6.5	Surface	1.0	0.1	188	18.0	18.0	7.9	7.9	31.1	31.1	114.8	114.8	9.0	9.0	6.3	7.6	7	6	818371	806446		
						1.0	0.1	184	17.9		7.9		31.1		114.7		9.0		6.6		6					
					Middle	3.3	0.1	191	17.8	17.8	7.9	7.9	31.3	31.3	114.0	114.0	9.0	8.6	6.9	8.6	6	8.6			6	8.6
						3.3	0.1	197	17.8		7.9		31.3		113.9		9.0		7.0		5					
					Bottom	5.5	0.1	154	17.7	17.7	7.8	7.8	31.3	31.3	109.2	109.0	8.6	8.6	9.4	8.6	5	8.6			5	8.6
						5.5	0.1	153	17.7		7.8		31.3		108.7		8.6		9.4		4					
IM2	Cloudy	Moderate	15:39	6.8	Surface	1.0	0.0	157	18.0	18.0	7.9	7.9	30.9	30.9	116.7	116.7	9.2	9.2	6.4	6.1	6	5	819187	806249		
						1.0	0.0	161	18.0		7.9		30.9		116.7		9.2		6.2		5					
					Middle	3.4	0.1	155	17.9	17.9	7.9	7.9	31.1	31.2	116.1	116.1	9.1	9.0	6.0	9.0	6.1	9.0			5	9.0
						3.4	0.1	150	17.9		7.9		31.2		116.0		9.1		6.1		5					
					Bottom	5.8	0.1	173	17.7	17.8	7.9	7.9	31.3	31.3	114.5	114.5	9.0	9.0	6.1	9.0	6.1	9.0			5	9.0
						5.8	0.2	176	17.8		7.9		31.3		114.5		9.0		6.1		4					
IM7	Cloudy	Rough	15:20	8.0	Surface	1.0	0.1	116	18.4	18.4	7.9	7.9	29.2	29.2	113.4	113.4	9.0	8.8	2.2	2.4	2	3	821355	806825		
						1.0	0.1	121	18.4		7.9		29.2		113.3		8.9		2.2		2					
					Middle	4.0	0.1	91	18.1	18.1	7.8	7.8	30.2	30.2	109.9	109.8	8.7	8.5	2.4	8.5	3	8.5			3	8.5
						4.0	0.1	85	18.1		7.8		30.2		109.6		8.6		2.4		3					
					Bottom	7.0	0.1	97	18.1	18.1	7.8	7.8	30.2	30.2	107.8	107.8	8.5	8.5	2.4	8.5	3	8.5			3	8.5
						7.0	0.2	103	18.1		7.8		30.2		107.7		8.5		2.4		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 11 February 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	Misty	Rough	14:42	8.6	Surface	1.0	0.1	74	18.7	18.7	8.0	8.0	29.2	29.2	109.6	109.5	8.6	8.6	1.0	1.5	4	4	822216	809854
						1.0	0.1	73	18.7		8.0	8.0	29.2	29.2	109.4	109.5	8.6		1.1		5			
						4.3	0.1	61	18.7		8.0	8.0	29.2	29.1	108.8	108.7	8.5		1.7		4			
					Middle	4.3	0.2	62	18.7	8.0	8.0	29.1	29.1	108.5	108.7	8.5	1.6	2						
						7.6	0.1	54	18.8	8.0	8.0	29.1	29.1	108.1	108.0	8.5	1.8	3						
						7.6	0.1	54	18.8	8.0	8.0	29.0	29.1	107.9	108.0	8.5	1.8	3						
IM11	Misty	Rough	14:53	9.0	Surface	1.0	0.2	67	18.5	18.5	8.0	8.0	29.4	29.4	109.8	109.8	8.6	8.5	1.0	1.2	3	3	821520	810525
						1.0	0.2	72	18.5		8.0	8.0	29.4	29.4	109.8	109.8	8.6		1.1		3			
						4.5	0.2	94	18.5		8.0	8.0	29.4	29.4	105.4	105.3	8.3		1.2		3			
					Middle	4.5	0.2	88	18.5	8.0	8.0	29.4	29.4	105.1	105.3	8.3	1.2	3						
						8.0	0.2	70	18.5	7.9	7.9	29.4	29.4	103.2	102.8	8.1	1.2	3						
						8.0	0.2	71	18.5	7.9	7.9	29.4	29.4	102.4	102.8	8.1	1.3	4						
IM12	Misty	Rough	15:01	9.4	Surface	1.0	0.1	85	18.5	18.5	8.0	8.0	29.4	29.4	109.9	109.8	8.6	8.4	1.0	1.5	3	4	821168	811532
						1.0	0.1	82	18.5		8.0	8.0	29.4	29.4	109.7	109.8	8.6		1.1		4			
						4.7	0.2	96	18.5		8.0	8.0	29.3	29.3	105.1	104.9	8.3		1.3		3			
					Middle	4.7	0.2	101	18.5	8.0	8.0	29.3	29.3	104.6	104.9	8.2	1.3	4						
						8.4	0.2	69	18.5	7.9	7.9	29.3	29.3	102.5	102.1	8.1	2.3	4						
						8.4	0.2	71	18.5	7.9	7.9	29.3	29.3	101.6	102.1	8.0	2.2	5						
SR1A	Misty	Rough	15:21	4.8	Surface	1.0	-	101	18.8	18.8	8.0	8.0	29.5	29.5	106.2	106.2	8.3	8.3	1.3	1.4	4	3	819973	812660
						1.0	0.0	94	18.8		8.0	8.0	29.5	29.5	106.1	106.2	8.3		1.4		2			
						2.4	0.1	81	-		-	-	-	-	-	-	-		-		-			
					Middle	2.4	-	83	-	-	-	-	-	-	-	-	-	-	-					
						3.8	0.0	124	18.8	8.0	8.0	29.5	29.5	105.7	105.6	8.3	1.5	3						
						3.8	0.0	119	18.8	8.0	8.0	29.5	29.5	105.5	105.6	8.2	1.5	<2						
SR2	Misty	Rough	15:34	5.8	Surface	1.0	0.1	58	18.7	18.7	8.0	8.0	29.5	29.5	109.7	109.5	8.6	8.6	1.1	1.4	2	3	821468	814165
						1.0	0.1	50	18.7		8.0	8.0	29.5	29.5	109.3	109.5	8.6		1.2		2			
						-	0.1	61	-		-	-	-	-	-	-	-		-		-			
					Middle	-	0.1	62	-	-	-	-	-	-	-	-	-	-						
						4.8	0.2	44	18.7	8.0	8.0	29.5	29.5	103.2	102.8	8.1	1.8	3						
						4.8	0.2	41	18.7	8.0	8.0	29.5	29.5	102.3	102.8	8.0	1.7	3						
SR3	Cloudy	Rough	15:13	8.6	Surface	1.0	0.1	109	18.3	18.3	7.9	7.9	29.1	29.1	113.8	113.8	9.0	8.9	2.3	3.4	3	3	822148	807581
						1.0	0.1	110	18.3		7.9	7.9	29.1	29.1	113.7	113.8	9.0		2.3		4			
						4.3	0.1	105	18.2		7.9	7.9	29.8	29.8	111.0	110.9	8.8		3.8		3			
					Middle	4.3	0.1	103	18.2	7.9	7.9	29.9	29.9	110.7	110.9	8.7	3.8	3						
						7.6	0.0	102	18.2	7.8	7.8	29.9	29.9	108.7	108.7	8.6	4.1	2						
						7.6	0.1	97	18.2	7.8	7.8	29.9	29.9	108.6	108.7	8.6	4.0	3						
SR4A	Cloudy	Moderate	16:34	8.8	Surface	1.0	0.0	37	18.2	18.2	7.9	7.9	30.6	30.6	119.0	118.9	9.3	9.2	4.2	4.8	5	4	817184	807800
						1.0	0.0	34	18.2		7.9	7.9	30.7	30.7	118.7	118.9	9.3		4.3		5			
						4.4	0.0	29	18.1		7.9	7.9	30.7	30.7	116.3	116.3	9.2		4.9		4			
					Middle	4.4	0.0	35	18.1	7.9	7.9	30.7	30.7	116.2	116.3	9.1	4.9	4						
						7.8	0.0	23	18.1	7.9	7.9	30.7	30.7	115.2	115.1	9.1	5.1	3						
						7.8	0.0	24	18.1	7.9	7.9	30.7	30.7	114.9	115.1	9.0	5.2	4						
SR8	Misty	Rough	15:06	4.4	Surface	1.0	-	-	18.7	18.7	8.0	8.0	29.3	29.3	104.8	104.4	8.2	8.2	1.1	1.9	4	4	820378	811634
						1.0	-	-	18.6		8.0	8.0	29.3	29.3	104.0	104.4	8.2		1.2		3			
						-	-	-	-		-	-	-	-	-	-	-		-		-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						3.4	-	-	18.5	7.9	7.9	29.4	29.3	101.9	101.4	8.0	2.7	4						
						3.4	-	-	18.6	7.9	7.9	29.2	29.3	100.9	101.4	7.9	2.6	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 February 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	Moderate	09:49	8.8	Surface	1.0	0.2	33	17.8	17.8	8.0	8.0	30.7	30.7	115.4	115.3	9.1	9.0	7.3	8.5	8	6	815619	804259		
						1.0	0.2	38	17.8		8.0		30.7		115.2		9.1		8.0							
					Middle	4.4	0.3	27	17.7	17.7	8.0	8.0	30.8	30.8	113.2	113.1	9.0	8.8	8.8	8.8	7				8.8	7
						4.4	0.3	33	17.7		8.0		30.8		113.0		8.9		8.3							
					Bottom	7.8	0.2	17	17.8	17.8	8.1	8.1	30.8	30.7	111.1	111.0	8.8	8.8	9.7	8.8	5				8.8	5
						7.8	0.3	19	17.8		8.1		30.7		110.8		8.8		9.2		4					
C2	Cloudy	Rough	11:09	10.7	Surface	1.0	0.4	344	18.1	18.1	8.0	8.0	28.5	28.5	113.3	113.3	9.0	9.0	1.5	2.6	3	3	825670	806958		
						1.0	0.4	350	18.1		8.0		28.5		113.2		9.0		1.6		3					
					Middle	5.4	0.4	331	18.1	18.1	7.9	7.9	28.6	28.6	111.4	111.3	8.9	8.9	2.5	8.7	2				8.7	2
						5.4	0.4	334	18.1		7.9		28.6		111.2		8.9		2.6		3					
					Bottom	9.7	0.3	4	18.1	18.1	7.9	7.9	28.7	28.7	109.5	109.5	8.7	8.7	3.6	8.7	<2				8.7	<2
						9.7	0.3	6	18.1		7.9		28.7		109.4		8.7		4.0		<2					
C3	Misty	Moderate	10:57	10.4	Surface	1.0	0.5	251	18.0	18.0	8.1	8.1	30.4	30.4	105.4	105.1	8.3	8.2	1.5	1.8	3	3	822129	817789		
						1.0	0.4	249	18.0		8.1		30.4		104.7		8.3		1.4		2					
					Middle	5.2	0.5	244	18.0	18.0	8.1	8.1	30.4	30.4	103.9	103.5	8.2	8.1	1.8	8.0	2				8.0	2
						5.2	0.6	248	18.0		8.1		30.4		103.0		8.1		1.9		3					
					Bottom	9.4	0.4	241	18.0	18.0	8.1	8.1	30.4	30.4	101.6	101.2	8.0	8.0	2.1	8.0	3				8.0	3
						9.4	0.5	237	18.0		8.1		30.4		100.8		8.0		2.2		3					
IM1	Cloudy	Moderate	10:10	6.5	Surface	1.0	0.2	1	17.9	17.9	8.0	8.0	30.4	30.4	111.2	111.1	8.8	8.8	3.1	9.4	4	4	818352	806464		
						1.0	0.1	359	17.9		8.0		30.4		111.0		8.8		3.1		5					
					Middle	3.3	0.2	21	17.8	17.8	8.0	8.0	30.5	30.5	109.5	109.4	8.7	8.7	12.7	8.5	3				8.5	3
						3.3	0.2	23	17.8		8.0		30.5		109.2		8.7		11.6		4					
					Bottom	5.5	0.2	30	17.8	17.8	8.0	8.0	30.5	30.5	107.1	107.0	8.5	8.5	12.9	8.5	3				8.5	3
						5.5	0.1	25	17.8		8.0		30.5		106.9		8.5		12.8		3					
IM2	Cloudy	Moderate	10:14	6.7	Surface	1.0	0.1	330	17.9	17.9	8.0	8.0	30.2	30.2	112.2	112.1	8.9	8.8	7.1	9.6	2	4	819168	806236		
						1.0	0.1	334	17.9		8.0		30.2		112.0		8.9		7.3		4					
					Middle	3.4	0.1	326	17.8	17.8	8.0	8.0	30.3	30.3	110.5	110.5	8.8	8.7	10.7	8.7	4				8.7	4
						3.4	0.2	333	17.8		8.0		30.4		110.4		8.7		11.0		3					
					Bottom	5.7	0.1	0	17.8	17.8	8.0	8.0	30.4	30.3	109.6	109.5	8.7	8.7	10.7	8.6	4				8.6	4
						5.7	0.1	2	17.8		8.0		30.3		109.4		8.7		11.0		4					
IM7	Cloudy	Rough	10:34	7.5	Surface	1.0	0.1	322	18.1	18.1	8.0	8.0	29.0	29.0	111.4	111.4	8.9	8.8	1.7	2.1	<2	2	821364	806854		
						1.0	0.1	328	18.1		8.0		29.0		111.3		8.8		1.7		<2					
					Middle	3.8	0.2	320	18.0	18.0	8.0	8.0	29.1	29.1	110.5	110.5	8.8	8.8	2.0	8.6	2				8.6	2
						3.8	0.1	312	18.0		8.0		29.2		110.4		8.8		2.0		2					
					Bottom	6.5	0.2	316	18.0	18.0	7.9	7.9	29.3	29.2	108.2	108.2	8.6	8.6	2.6	8.6	3				8.6	3
						6.5	0.1	313	18.0		7.9		29.2		108.2		8.6		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 11 February 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	Rough	12:08	8.6	Surface	1.0	0.2	285	<u>18.7</u>	18.7	8.0	8.0	<u>29.3</u>	29.3	<u>109.0</u>	108.9	8.6	8.5	1.0	1.1	3	3	822258	809830
						1.0	0.2	292	<u>18.6</u>		8.0	8.0	<u>29.3</u>	29.3	<u>108.8</u>	108.9	8.5		1.1		3			
						4.3	0.3	316	<u>18.6</u>		8.0	7.9	<u>29.4</u>	29.4	<u>107.9</u>	107.8	8.5		1.1		3			
					Middle	4.3	0.3	323	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>107.7</u>	107.8	8.5	1.1	3						
						7.6	0.2	311	<u>18.5</u>	7.9	7.9	<u>29.5</u>	29.5	<u>102.3</u>	101.8	8.0	8.0	1.2	4					
						7.6	0.2	305	<u>18.5</u>	7.9	7.9	<u>29.5</u>	29.5	<u>101.2</u>	101.8	8.0	8.0	1.2	3					
IM11	Misty	Rough	11:54	7.2	Surface	1.0	0.4	274	<u>18.5</u>	18.5	8.0	8.0	<u>29.4</u>	29.4	<u>109.5</u>	109.4	8.6	8.6	1.6	2.4	4	4	821504	810562
						1.0	0.4	274	<u>18.5</u>		8.0	8.0	<u>29.4</u>	29.4	<u>109.3</u>	109.4	8.6		1.5		3			
						3.6	0.4	270	<u>18.5</u>		7.9	7.9	<u>29.4</u>	29.4	<u>108.3</u>	108.1	8.5		2.7		4			
					Middle	3.6	0.4	263	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>107.8</u>	108.1	8.5	2.8	4						
						6.2	0.4	263	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.3	<u>102.8</u>	101.9	8.1	8.1	3.1	5					
						6.2	0.4	269	<u>18.5</u>	7.9	7.9	<u>29.3</u>	29.3	<u>100.9</u>	101.9	8.0	8.1	3.0	6					
IM12	Misty	Rough	11:49	7.2	Surface	1.0	0.4	283	<u>18.5</u>	18.5	8.0	8.0	<u>29.3</u>	29.3	<u>110.4</u>	110.3	8.7	8.7	1.3	2.2	3	4	821148	811526
						1.0	0.4	285	<u>18.5</u>		8.0	8.0	<u>29.3</u>	29.3	<u>110.2</u>	110.3	8.7		1.2		4			
						3.6	0.4	290	<u>18.5</u>		8.0	8.0	<u>29.3</u>	29.3	<u>109.9</u>	109.5	8.7		2.2		4			
					Middle	3.6	0.3	290	<u>18.5</u>	8.0	8.0	<u>29.3</u>	29.3	<u>109.1</u>	109.5	8.6	2.2	4						
						6.2	0.3	302	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>107.9</u>	107.5	8.5	8.5	3.2	5					
						6.2	0.4	303	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>107.1</u>	107.5	8.4	8.5	3.1	4					
SR1A	Misty	Moderate	11:27	4.8	Surface	1.0	0.0	194	<u>18.7</u>	18.7	7.9	7.9	<u>29.5</u>	29.5	<u>105.6</u>	105.2	8.3	8.3	2.0	2.0	4	4	819974	812656
						1.0	-	189	<u>18.7</u>		7.9	7.9	<u>29.5</u>	29.5	<u>104.7</u>	105.2	8.2		1.9		3			
						2.4	0.0	207	-		-	-	-	-	-	-	-		-		-			
					Middle	2.4	0.0	200	-	-	-	-	-	-	-	-	-	-	-					
						3.8	0.0	174	<u>18.6</u>	7.9	7.9	<u>29.5</u>	29.5	<u>100.4</u>	99.9	7.9	7.9	2.1	4					
						3.8	-	169	<u>18.6</u>	7.9	7.9	<u>29.5</u>	29.5	<u>99.4</u>	99.9	7.8	7.9	2.1	4					
SR2	Misty	Moderate	11:16	4.2	Surface	1.0	0.1	269	<u>18.5</u>	18.5	7.9	7.9	<u>29.4</u>	29.4	<u>102.7</u>	102.4	8.1	8.1	1.7	1.8	3	4	821457	814149
						1.0	0.1	265	<u>18.5</u>		7.9	7.9	<u>29.4</u>	29.4	<u>102.1</u>	102.4	8.0		1.6		4			
						-	0.1	273	-		-	-	-	-	-	-	-		-		-			
					Middle	-	0.1	271	-	-	-	-	-	-	-	-	-	-						
						3.2	0.1	249	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>99.6</u>	98.9	7.8	7.8	2.0	4					
						3.2	0.1	244	<u>18.5</u>	7.9	7.9	<u>29.3</u>	29.4	<u>98.2</u>	98.9	7.7	7.8	2.1	4					
SR3	Cloudy	Rough	10:42	8.5	Surface	1.0	0.3	316	<u>18.1</u>	18.1	8.0	8.0	<u>28.9</u>	28.9	<u>111.1</u>	111.0	8.8	8.8	2.8	5.1	3	3	822138	807559
						1.0	0.3	318	<u>18.1</u>		8.0	8.0	<u>29.0</u>	29.1	<u>110.9</u>	109.3	8.8		2.9		3			
						4.3	0.3	323	<u>18.1</u>		7.9	7.9	<u>29.1</u>	29.1	<u>109.3</u>	109.3	8.7		5.3		3			
					Middle	4.3	0.3	315	<u>18.1</u>	7.9	7.9	<u>29.1</u>	29.1	<u>109.2</u>	109.3	8.7	5.6	3						
						7.5	0.2	308	<u>18.1</u>	7.9	7.9	<u>29.1</u>	29.1	<u>107.9</u>	107.9	8.6	8.6	6.9	2					
						7.5	0.2	302	<u>18.1</u>	7.9	7.9	<u>29.1</u>	29.1	<u>107.9</u>	107.9	8.6	8.6	7.0	3					
SR4A	Cloudy	Moderate	09:22	8.8	Surface	1.0	0.0	197	<u>18.1</u>	18.1	8.0	8.0	<u>30.4</u>	30.4	<u>108.3</u>	108.3	8.5	8.5	4.8	4.2	6	6	817200	807805
						1.0	0.0	197	<u>18.1</u>		8.0	8.0	<u>30.4</u>	30.4	<u>108.2</u>	107.4	8.5		4.7		6			
						4.4	0.0	172	<u>18.1</u>		8.0	8.0	<u>30.4</u>	30.4	<u>107.4</u>	107.4	8.5		4.0		6			
					Middle	4.4	0.0	172	<u>18.1</u>	8.0	8.0	<u>30.4</u>	30.4	<u>107.3</u>	107.4	8.5	3.9	6						
						7.8	0.0	187	<u>18.1</u>	8.0	8.0	<u>30.4</u>	30.4	<u>107.1</u>	107.1	8.4	8.4	3.9	7					
						7.8	0.1	180	<u>18.1</u>	8.0	8.0	<u>30.4</u>	30.4	<u>107.1</u>	107.1	8.4	8.4	3.9	7					
SR8	Misty	Moderate	11:44	5.0	Surface	1.0	-	-	<u>18.5</u>	18.5	7.9	7.9	<u>29.4</u>	29.4	<u>107.1</u>	105.3	8.4	8.3	1.1	1.4	2	2	820400	811604
						1.0	-	-	<u>18.5</u>		7.9	7.9	<u>29.4</u>	29.4	<u>103.5</u>	105.3	8.2		1.2		3			
						-	-	-	-		-	-	-	-	-	-	-		-		-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-						
						4.0	-	-	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>101.4</u>	101.0	8.0	8.0	1.8	2					
4.0	-	-	<u>18.5</u>	7.9	7.9	<u>29.4</u>	29.4	<u>100.6</u>	101.0	7.9	8.0	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 14 February 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	Fine	Rough	05:05	7.3	Surface	1.0	0.0	135	18.9	18.9	8.1	8.1	29.4	29.4	102.2	102.2	8.0	8.0	8.0	8.0	4.4	3	815638	804241		
						1.0	0.0	131	18.9	8.1	8.1	29.4	29.4	102.1	102.1	8.0	8.0	8.0	8.0	4.5	4					
					Middle	3.7	0.0	150	18.9	18.9	8.1	8.1	29.5	29.5	101.7	101.7	7.9	7.9	8.0	8.0	5.6	2			3	
						3.7	0.0	151	18.9	18.9	8.1	8.1	29.5	29.5	101.7	101.7	7.9	7.9	8.0	8.0	5.6	2				
					Bottom	6.3	0.0	133	18.9	18.9	8.1	8.1	29.6	29.6	100.6	100.6	7.8	7.8	7.8	7.8	7.8	7.8			2	2
						6.3	0.0	139	18.9	18.9	8.1	8.1	29.6	29.6	100.6	100.6	7.8	7.8	7.8	7.8	7.8	7.8			2	3
C2	Fine	Rough	06:33	8.2	Surface	1.0	0.2	164	19.2	19.2	8.2	8.2	28.6	28.6	105.3	105.3	8.2	8.2	8.2	8.2	2.2	<2	825701	806926		
						1.0	0.3	159	19.2	19.2	8.2	8.2	28.6	28.6	105.3	105.3	8.2	8.2	8.2	8.2	2.2	<2				
					Middle	4.1	0.2	158	19.1	19.1	8.2	8.2	28.9	28.9	104.3	104.3	8.1	8.1	8.1	8.1	3.3	3			4	
						4.1	0.2	154	19.1	19.1	8.2	8.2	28.9	28.9	104.3	104.3	8.1	8.1	8.1	8.1	3.3	3				
					Bottom	7.2	0.2	201	19.0	19.0	8.2	8.2	29.4	29.4	101.8	101.8	7.9	7.9	7.9	7.9	3.9	6			4	
						7.2	0.2	203	19.0	19.0	8.2	8.2	29.4	29.4	101.8	101.8	7.9	7.9	7.9	7.9	3.9	6				
C3	Fine	Rough	04:50	9.4	Surface	1.0	0.1	283	18.6	18.6	8.0	8.0	30.2	30.2	101.5	101.5	7.9	7.9	7.9	7.9	2.5	4	822102	817812		
						1.0	0.1	287	18.6	18.6	8.0	8.0	30.2	30.2	101.4	101.4	7.9	7.9	7.9	7.9	2.5	5				
					Middle	4.7	0.1	278	18.6	18.6	8.0	8.0	30.3	30.3	100.6	100.6	7.9	7.9	7.9	7.9	3.4	5				
						4.7	0.1	284	18.6	18.6	8.0	8.0	30.3	30.3	100.5	100.5	7.8	7.8	7.8	7.8	3.4	6				
					Bottom	8.4	0.1	295	18.4	18.4	7.9	7.9	30.8	30.8	99.1	99.1	7.7	7.7	7.7	7.7	6.1	4			5	
						8.4	0.2	287	18.4	18.4	7.9	7.9	30.8	30.8	99.0	99.0	7.7	7.7	7.7	7.7	6.2	4				
IM1	Fine	Moderate	05:30	6.8	Surface	1.0	0.1	194	19.2	19.2	8.2	8.2	28.7	28.7	104.3	104.3	8.1	8.1	8.1	8.1	2.1	6	818338	806465		
						1.0	0.1	193	19.2	19.2	8.2	8.2	28.7	28.7	104.3	104.3	8.1	8.1	8.1	8.1	2.2	7				
					Middle	3.4	0.0	204	19.3	19.3	8.2	8.2	28.8	28.8	102.5	102.5	8.0	8.0	8.0	8.0	3.4	6				
						3.4	0.0	200	19.3	19.3	8.2	8.2	28.8	28.8	102.5	102.5	8.0	8.0	8.0	8.0	3.4	4				
					Bottom	5.8	0.1	190	19.0	19.0	8.1	8.1	29.6	29.6	100.4	100.4	7.8	7.8	7.8	7.8	2.8	6			6	
						5.8	0.1	190	19.0	19.0	8.1	8.1	29.6	29.6	100.4	100.4	7.8	7.8	7.8	7.8	2.9	4				
IM2	Fine	Moderate	05:37	7.2	Surface	1.0	0.0	196	19.4	19.4	8.2	8.2	27.8	27.8	105.0	105.0	8.2	8.2	8.2	8.2	3.3	4	819201	806231		
						1.0	0.0	197	19.4	19.4	8.2	8.2	27.8	27.8	105.0	105.0	8.2	8.2	8.2	8.2	3.3	2				
					Middle	3.6	0.1	181	19.4	19.4	8.2	8.2	27.9	27.9	104.8	104.8	8.2	8.2	8.2	8.2	4.3	5				
						3.6	0.1	174	19.4	19.4	8.2	8.2	27.9	27.9	104.8	104.8	8.2	8.2	8.2	8.2	4.4	4				
					Bottom	6.2	0.1	178	19.4	19.4	8.1	8.1	28.9	28.9	99.6	99.6	7.7	7.7	7.7	7.7	6.5	5				
						6.2	0.1	174	19.4	19.4	8.1	8.1	29.0	29.0	99.6	99.6	7.7	7.7	7.7	7.7	6.5	4				
IM7	Fine	Rough	05:58	6.9	Surface	1.0	0.1	173	19.1	19.1	8.2	8.2	28.9	28.9	103.0	103.0	8.0	8.0	8.0	8.0	4.2	4	821363	806848		
						1.0	0.1	166	19.1	19.1	8.2	8.2	28.9	28.9	103.0	103.0	8.0	8.0	8.0	8.0	4.2	3				
					Middle	3.5	0.1	198	18.9	18.9	8.1	8.1	29.7	29.7	100.3	100.3	7.8	7.8	7.8	7.8	5.6	3				
						3.5	0.1	200	18.9	18.9	8.1	8.1	29.7	29.7	100.2	100.2	7.8	7.8	7.8	7.8	5.7	4				
					Bottom	5.9	0.1	164	18.9	18.9	8.1	8.1	29.7	29.7	100.1	100.1	7.8	7.8	7.8	7.8	7.5	8			5	
						5.9	0.1	160	18.9	18.9	8.1	8.1	29.7	29.7	100.1	100.1	7.8	7.8	7.8	7.8	7.5	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 14 February 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	Rough	06:27	8.3	Surface	1.0	0.1	112	19.2	19.2	8.2	8.2	28.8	28.8	104.3	104.3	8.1	8.0	3.1	5.1	7	5	822250	809844			
						1.0	0.1	114	19.2		8.2	8.2	28.8	28.8	104.2	104.3	8.1		3.2		5						
					Middle	4.2	0.1	108	19.0	19.0	8.1	8.1	29.3	29.3	101.6	101.6	7.9	7.9	5.8	6							
						4.2	0.1	103	19.0		8.1	8.1	29.3	29.3	101.5	101.6	7.9		5.8	4							
					Bottom	7.3	0.2	98	19.0	19.0	8.1	8.1	29.4	29.4	100.8	100.8	7.9	7.9	6.4	3							
						7.3	0.2	102	19.0		8.1	8.1	29.4	29.4	100.8	100.8	7.9		6.4	3							
IM11	Fine	Rough	06:13	7.7	Surface	1.0	0.0	114	19.3	19.3	8.2	8.2	27.9	27.9	105.4	105.4	8.2	8.1	4.3	5.6	4	4	821489	810547			
						1.0	0.0	119	19.3		8.2	8.2	27.9	27.9	105.4	105.4	8.2		4.3		2						
					Middle	3.9	0.1	97	19.0	19.0	8.1	8.1	29.4	29.4	101.0	101.0	7.9	7.9	5.4	3							
						3.9	0.0	102	19.0		8.1	8.1	29.5	29.4	100.9	101.0	7.9		5.4	4							
					Bottom	6.7	0.1	87	18.9	18.9	8.1	8.1	29.6	29.6	99.6	99.6	7.8	7.8	7.2	3							
						6.7	0.1	85	18.9		8.1	8.1	29.6	29.6	99.6	99.6	7.8		7.2	3							
IM12	Fine	Rough	06:02	7.9	Surface	1.0	0.1	102	19.1	19.1	8.2	8.2	28.9	28.9	103.6	103.6	8.1	8.0	2.7	4.2	<2	2	821173	811502			
						1.0	0.1	103	19.1		8.2	8.2	28.9	28.9	103.5	103.6	8.1		2.7		<2						
					Middle	4.0	0.0	108	19.0	19.0	8.1	8.1	29.5	29.5	101.5	101.5	7.9	7.9	3.4	3							
						4.0	0.0	110	19.0		8.1	8.1	29.5	29.5	101.5	101.5	7.9		3.5	2							
					Bottom	6.9	0.1	111	18.9	18.9	8.1	8.1	29.7	29.7	100.9	100.9	7.9	7.9	6.4	3							
						6.9	0.0	111	18.9		8.1	8.1	29.7	29.7	100.9	100.9	7.9		6.4	2							
SR1A	Fine	Moderate	05:19	4.2	Surface	1.0	0.0	355	19.2	19.2	8.2	8.2	28.7	28.7	104.3	104.3	8.1	8.1	4.5	4.8	5	4	819972	812664			
						1.0	0.0	351	19.2		8.2	8.2	28.7	28.7	104.2	104.3	8.1		4.5		5						
					Middle	2.1	0.0	342	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.1	0.0	348	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.2	-	334	19.1	19.1	8.1	8.1	29.1	29.1	102.1	102.1	8.0	8.0	5.1	3							
						3.2	0.0	332	19.1		8.1	8.1	29.1	29.1	102.1	102.1	8.0		5.2	3							
SR2	Fine	Rough	05:08	4.3	Surface	1.0	0.1	336	18.9	18.9	8.1	8.1	29.4	29.4	102.8	102.8	8.0	8.0	3.3	4.0	2	3	821479	814178			
						1.0	0.0	336	18.9		8.1	8.1	29.4	29.4	102.8	102.8	8.0		3.3		3						
					Middle	-	0.1	333	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.1	337	-		-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	3.3	0.1	321	18.9	18.9	8.1	8.1	29.6	29.6	101.9	101.9	8.0	8.0	4.7	3							
						3.3	0.1	322	18.9		8.1	8.1	29.6	29.6	101.9	101.9	8.0		4.8	5							
SR3	Fine	Rough	06:06	7.1	Surface	1.0	0.1	166	19.3	19.3	8.2	8.2	27.9	27.9	105.9	105.9	8.3	8.2	3.2	3.0	2	3	822144	807583			
						1.0	0.2	163	19.3		8.2	8.2	27.9	27.9	105.8	105.9	8.3		3.2		3						
					Middle	3.6	0.1	182	19.2	19.3	8.2	8.2	28.6	28.6	104.2	104.2	8.1	8.1	3.3	4							
						3.6	0.1	182	19.3		8.2	8.2	28.6	28.6	104.2	104.2	8.1		3.3	4							
					Bottom	6.1	0.1	154	18.9	18.9	8.1	8.1	29.6	29.6	101.2	101.2	7.9	7.9	2.7	3							
						6.1	0.0	152	18.9		8.1	8.1	29.6	29.6	101.2	101.2	7.9		2.7	4							
SR4A	Fine	Moderate	04:35	8.9	Surface	1.0	0.0	300	18.6	18.6	8.1	8.1	30.1	30.1	101.7	101.7	7.9	7.9	5.2	7.0	2	3	817210	807789			
						1.0	0.0	293	18.6		8.1	8.1	30.1	30.1	101.7	101.7	7.9		5.2		3						
					Middle	4.5	0.1	320	18.6	18.6	8.1	8.1	30.2	30.2	101.4	101.4	7.9	7.9	6.3	2							
						4.5	0.0	327	18.6		8.1	8.1	30.2	30.2	101.4	101.4	7.9		6.4	2							
					Bottom	7.9	0.0	281	18.6	18.6	8.0	8.0	30.6	30.6	100.4	100.4	7.8	7.8	9.6	2							
						7.9	0.0	278	18.6		8.0	8.0	30.6	30.6	100.4	100.4	7.8		9.5	4							
SR8	Fine	Moderate	05:52	4.2	Surface	1.0	-	-	19.4	19.4	8.2	8.2	28.5	28.5	104.3	104.3	8.1	8.1	5.2	7.2	2	3	820383	811606			
						1.0	-	-	19.4		8.2	8.2	28.5	28.5	104.3	104.3	8.1		5.2		3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	3.2	-	-	19.3	19.3	8.2	8.2	28.9	28.9	103.3	103.3	8.0	8.0	9.2	3							
						3.2	-	-	19.3		8.2	8.2	28.9	28.9	103.2	103.3	8.0		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 14 February 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	Fine	Rough	12:08	8.4	Surface	1.0	0.3	42	18.8	18.8	8.2	8.2	29.9	29.9	102.8	102.8	8.0	8.0	3.7	5.5	3	3	815627	804266						
						1.0	0.3	44	18.8		8.2	8.2	29.9	29.9	102.8	102.8	8.0													
					Middle	4.2	0.3	27	18.7	18.7	8.2	8.2	30.0	30.0	102.3	102.3	8.0	7.9	4.6	3	3	3	3	3	815627	804266				
						4.2	0.3	25	18.7		8.2	8.2	30.0	30.0	102.3	102.3	8.0													
					Bottom	7.4	0.3	19	18.7	18.7	8.1	8.1	30.1	30.1	101.5	101.5	7.9	7.9	8.2	2	2	2	2	2	2	815627	804266			
						7.4	0.2	14	18.7		8.1	8.1	30.1	30.1	101.5	101.5	7.9													
C2	Fine	Rough	10:28	8.9	Surface	1.0	0.1	211	19.3	19.3	8.2	8.2	28.1	28.1	105.3	105.3	8.2	8.1	4.2	3.6	3	3	825691	806930						
						1.0	0.1	205	19.3		8.2	8.2	28.1	28.1	105.3	105.3	8.2													
					Middle	4.5	0.0	204	19.1	19.1	8.2	8.2	29.3	29.3	102.2	102.2	8.0	7.9	3.7	2	2	2	2	2	3	3	825691	806930		
						4.5	0.1	208	19.1		8.2	8.2	29.3	29.3	102.2	102.2	8.0													
					Bottom	7.9	0.1	197	19.0	19.0	8.1	8.1	29.4	29.4	101.6	101.6	7.9	7.9	2.9	3	3	3	3	3	3	3	825691	806930		
						7.9	0.1	196	19.0		8.1	8.1	29.4	29.4	101.6	101.6	7.9													
C3	Fine	Moderate	12:26	10.5	Surface	1.0	0.4	269	18.5	18.5	8.1	8.1	30.6	30.6	100.8	100.8	7.9	7.8	1.0	1.8	3	3	822096	817806						
						1.0	0.4	269	18.5		8.1	8.1	30.6	30.6	100.8	100.8	7.9													
					Middle	5.3	0.4	247	18.3	18.3	8.1	8.1	31.1	31.1	98.7	98.7	7.7	7.7	1.5	3	3	3	3	3	3	822096	817806			
						5.3	0.4	241	18.3		8.1	8.1	31.1	31.1	98.7	98.7	7.7													
					Bottom	9.5	0.4	273	18.3	18.3	8.1	8.1	31.1	31.1	98.4	98.4	7.7	7.7	3.0	4	4	4	4	4	4	4	822096	817806		
						9.5	0.4	267	18.3		8.1	8.1	31.1	31.1	98.4	98.4	7.7													
IM1	Fine	Moderate	11:40	7.2	Surface	1.0	0.1	17	19.5	19.5	8.2	8.2	28.7	28.7	102.6	102.6	8.0	7.9	1.6	4.0	3	3	818335	806457						
						1.0	0.1	13	19.5		8.2	8.2	28.7	28.7	102.6	102.6	8.0													
					Middle	3.6	0.2	6	19.2	19.3	8.2	8.2	29.2	29.2	101.0	101.1	7.8	7.8	4.1	2	2	2	2	2	2	3	3	818335	806457	
						3.6	0.2	10	19.3		8.2	8.2	29.2	29.2	101.1	101.1	7.8													
					Bottom	6.2	0.2	25	18.8	18.8	8.1	8.1	29.9	29.9	100.2	100.2	7.8	7.8	6.3	3	3	3	3	3	3	3	3	818335	806457	
						6.2	0.1	25	18.8		8.1	8.1	29.9	29.9	100.2	100.2	7.8													
IM2	Fine	Moderate	11:27	7.2	Surface	1.0	0.1	349	19.4	19.4	8.2	8.2	28.6	28.6	103.7	103.7	8.1	8.0	1.3	2.5	3	3	819160	806220						
						1.0	0.1	352	19.4		8.2	8.2	28.6	28.6	103.7	103.7	8.1													
					Middle	3.6	0.0	334	18.8	18.8	8.2	8.2	29.8	29.8	100.6	100.6	7.8	7.9	2.7	3	3	3	3	3	3	3	819160	806220		
						3.6	0.0	328	18.8		8.2	8.2	29.8	29.8	100.6	100.6	7.8													
					Bottom	6.2	0.1	337	18.8	18.8	8.2	8.2	29.9	29.9	100.7	100.7	7.9	7.9	3.5	2	2	2	2	2	2	2	3	3	819160	806220
						6.2	0.1	332	18.8		8.2	8.2	29.9	29.9	100.7	100.7	7.9													
IM7	Fine	Rough	11:06	7.4	Surface	1.0	0.1	251	19.3	19.3	8.2	8.2	28.8	28.7	102.7	102.7	8.0	7.9	6.2	7.3	2	2	821337	806821						
						1.0	0.1	244	19.3		8.2	8.2	28.7	28.7	102.7	102.7	8.0													
					Middle	3.7	0.1	275	19.0	19.0	8.1	8.1	29.4	29.4	100.7	100.7	7.8	7.7	7.5	<2	<2	<2	<2	<2	<2	2	2	821337	806821	
						3.7	0.1	271	19.0		8.1	8.1	29.4	29.4	100.7	100.7	7.8													
					Bottom	6.4	0.1	283	18.9	18.9	8.1	8.1	29.7	29.7	98.5	98.5	7.7	7.7	8.2	<2	<2	<2	<2	<2	<2	<2	2	2	821337	806821
						6.4	0.2	280	18.9		8.1	8.1	29.7	29.7	98.5	98.5	7.7													

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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 14 February 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
IM10	Fine	Rough	10:41	8.3	Surface	1.0	0.1	279	<u>19.2</u>	8.2	8.2	<u>28.5</u>	28.5	<u>103.5</u>	103.4	8.1	8.0	1.2	2.5	<2	<2	822226	809861		
						1.0	0.1	272	19.2	8.2	8.2	<u>28.5</u>	28.5	<u>103.3</u>	103.4	8.1		1.3		<2					
					Middle	4.2	0.1	260	19.0	8.1	8.1	<u>29.3</u>	29.3	<u>101.1</u>	101.1	7.9		2.3		<2					
						4.2	0.1	264	19.0	8.1	8.1	<u>29.3</u>	29.3	<u>101.0</u>	101.0	7.9		2.4		<2					
					Bottom	7.3	0.2	265	19.0	8.1	8.1	<u>29.4</u>	29.4	<u>100.1</u>	100.1	7.8		3.8		<2					
						7.3	0.2	261	19.0	8.1	8.1	<u>29.4</u>	29.4	<u>100.1</u>	100.1	7.8		3.9		<2					
IM11	Fine	Rough	10:56	8.1	Surface	1.0	0.3	257	<u>19.3</u>	8.2	8.2	<u>28.6</u>	28.6	<u>104.8</u>	104.8	8.2	8.1	3.3	3.3	2	2	821477	810545		
						1.0	0.2	251	19.3	8.2	8.2	<u>28.6</u>	28.6	<u>104.8</u>	104.8	8.2		3.3		2					
					Middle	4.1	0.2	251	19.1	8.2	8.2	<u>29.1</u>	29.1	<u>102.6</u>	102.6	8.0		2.6		2					
						4.1	0.2	253	19.1	8.2	8.2	<u>29.1</u>	29.1	<u>102.6</u>	102.6	8.0		2.6		3					
					Bottom	7.1	0.2	291	19.0	8.1	8.1	<u>29.6</u>	29.6	<u>99.4</u>	99.4	7.7		3.9		2					
						7.1	0.2	283	19.0	8.1	8.1	<u>29.6</u>	29.6	<u>99.3</u>	99.3	7.7		3.9		3					
IM12	Fine	Rough	11:06	8.4	Surface	1.0	0.2	273	19.0	8.2	8.2	<u>29.1</u>	29.1	<u>103.0</u>	103.0	8.0	8.0	1.1	1.6	3	3	821139	811500		
						1.0	0.2	276	19.0	8.2	8.2	<u>29.1</u>	29.1	<u>102.9</u>	102.9	8.0		1.2		2					
					Middle	4.2	0.2	295	18.9	8.1	8.1	<u>29.5</u>	29.5	<u>101.4</u>	101.4	7.9		1.3		2					
						4.2	0.2	289	18.9	8.1	8.1	<u>29.5</u>	29.5	<u>101.4</u>	101.4	7.9		1.3		3					
					Bottom	7.4	0.2	274	18.9	8.1	8.1	<u>29.6</u>	29.6	<u>99.2</u>	99.2	7.7		2.5		3					
						7.4	0.2	276	18.9	8.1	8.1	<u>29.6</u>	29.6	<u>99.1</u>	99.1	7.7		2.5		2					
SR1A	Fine	Moderate	11:42	4.8	Surface	1.0	-	208	<u>19.5</u>	8.1	8.1	<u>28.9</u>	28.9	<u>99.2</u>	99.2	7.7	7.7	5.0	5.8	3	2	819972	812658		
						1.0	0.1	206	19.5	8.1	8.1	<u>28.9</u>	28.9	<u>99.1</u>	99.1	7.7		5.0		2					
					Middle	2.4	0.0	209	-	-	-	-	-	-	-	-		-		-				-	-
						2.4	0.0	215	-	-	-	-	-	-	-	-		-		-				-	-
					Bottom	3.8	0.0	212	19.5	8.1	8.1	<u>28.9</u>	28.9	<u>98.7</u>	98.7	7.6		6.5		2					
						3.8	0.0	216	19.5	8.1	8.1	<u>28.9</u>	28.9	<u>98.7</u>	98.7	7.6		6.6		2					
SR2	Fine	Moderate	12:03	5.2	Surface	1.0	0.1	275	<u>18.8</u>	8.2	8.2	<u>29.9</u>	29.9	<u>103.1</u>	103.1	8.0	8.0	1.7	1.5	4	3	821449	814175		
						1.0	0.1	280	18.8	8.2	8.2	<u>29.9</u>	29.9	<u>103.1</u>	103.1	8.0		1.7		4					
					Middle	-	0.1	274	-	-	-	-	-	-	-	-		-		-					
						-	0.1	273	-	-	-	-	-	-	-	-		-		-					
					Bottom	4.2	0.1	255	18.7	8.2	8.2	<u>30.0</u>	30.0	<u>102.5</u>	102.5	8.0		1.3		2					
						4.2	0.0	253	18.7	8.2	8.2	<u>30.0</u>	30.0	<u>102.5</u>	102.5	8.0		1.3		3					
SR3	Fine	Rough	10:49	7.9	Surface	1.0	0.1	239	19.0	8.2	8.2	<u>29.2</u>	29.2	<u>103.3</u>	103.3	8.1	8.1	2.7	3.9	3	3	822137	807589		
						1.0	0.0	240	19.0	8.2	8.2	<u>29.2</u>	29.2	<u>103.3</u>	103.3	8.1		2.7		3					
					Middle	4.0	0.0	235	19.0	8.2	8.2	<u>29.3</u>	29.3	<u>102.5</u>	102.5	8.0		3.6		4					
						4.0	0.0	228	19.0	8.2	8.2	<u>29.3</u>	29.3	<u>102.4</u>	102.4	8.0		3.6		2					
					Bottom	6.9	0.1	248	18.9	8.2	8.2	<u>29.6</u>	29.6	<u>101.2</u>	101.2	7.9		5.4		3					
						6.9	0.1	244	18.9	8.2	8.2	<u>29.6</u>	29.6	<u>101.2</u>	101.2	7.9		5.5		2					
SR4A	Fine	Moderate	12:31	9.6	Surface	1.0	0.0	239	18.5	8.1	8.1	<u>30.6</u>	30.6	<u>101.1</u>	101.1	7.9	7.9	3.3	4.5	2	3	817174	807823		
						1.0	0.0	246	18.5	8.1	8.1	<u>30.6</u>	30.6	<u>101.1</u>	101.1	7.9		3.3		4					
					Middle	4.8	0.0	245	18.5	8.1	8.1	<u>30.6</u>	30.6	<u>100.4</u>	100.4	7.8		4.3		4					
						4.8	0.1	249	18.5	8.1	8.1	<u>30.6</u>	30.6	<u>100.4</u>	100.4	7.8		4.4		2					
					Bottom	8.6	0.0	261	18.3	8.1	8.1	<u>31.1</u>	31.1	<u>99.0</u>	99.0	7.7		5.7		3					
						8.6	0.0	259	18.3	8.1	8.1	<u>31.1</u>	31.1	<u>99.0</u>	99.0	7.8		5.8		4					
SR8	Fine	Moderate	11:14	4.9	Surface	1.0	-	-	<u>19.4</u>	8.2	8.2	<u>28.6</u>	28.6	<u>103.5</u>	103.5	8.0	8.0	4.3	5.6	3	3	820384	811639		
						1.0	-	-	19.4	8.2	8.2	<u>28.6</u>	28.6	<u>103.4</u>	103.4	8.0		4.4		2					
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-					
						-	-	-	-	-	-	-	-	-	-	-		-		-					
					Bottom	3.9	-	-	19.1	8.2	8.2	<u>29.2</u>	29.2	<u>101.9</u>	101.9	7.9		6.8		3					
						3.9	-	-	19.1	8.2	8.2	<u>29.2</u>	29.2	<u>101.8</u>	101.8	7.9		6.8		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 16 February 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	21:54	8.7	Surface	1.0	0.4	208	17.4	17.4	7.8	7.8	32.7	32.7	98.1	98.1	7.7	7.7	7.7	8.2	8.2	<2	<2	815613	804261			
						1.0	0.4	202	17.4		7.8	7.8	32.7	32.7	98.1	98.1	7.7					7.7				7.3	<2	
					Middle	4.4	0.5	196	17.4	17.4	7.8	7.8	32.7	32.7	98.2	98.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7			7.7	10.2	<2
						4.4	0.4	201	17.4		7.8	7.8	32.7	32.7	98.3	98.3	7.7										7.7	10.2
					Bottom	7.7	0.4	227	17.4	17.4	7.8	7.8	32.7	32.7	99.8	100.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9			7.9	7.1	<2
						7.7	0.5	223	17.4		7.8	7.8	32.7	32.7	100.1	100.0	7.9										7.9	8.0
C2	Cloudy	Moderate	20:41	11.7	Surface	1.0	0.4	164	17.8	17.8	7.8	7.8	31.1	31.1	99.0	99.0	7.8	7.8	7.8	6.0	6.0	0.7	3	825703	806924			
						1.0	0.4	158	17.8		7.8	7.8	31.1	31.1	99.0	99.0	7.8					7.8	0.8			2		
					Middle	5.9	0.4	178	17.7	17.7	7.8	7.8	31.6	31.6	98.8	98.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8			7.8	10.5	3
						5.9	0.4	178	17.7		7.8	7.8	31.6	31.6	98.8	98.8	7.8										7.8	10.6
					Bottom	10.7	0.4	173	17.7	17.7	7.8	7.8	31.9	31.8	98.5	98.5	7.8	7.8	7.8	7.8	7.8	7.8	7.8			7.8	6.7	2
						10.7	0.4	174	17.7		7.8	7.8	31.8	31.8	98.5	98.5	7.8										7.8	6.8
C3	Misty	Calm	21:32	11.0	Surface	1.0	0.4	87	18.0	18.0	7.9	7.9	31.5	31.5	99.1	99.2	7.8	7.8	7.8	1.7	1.7	1.4	2	822107	817826			
						1.0	0.5	84	18.0		7.9	7.9	31.5	31.5	99.2	99.2	7.8					7.8	1.5			2		
					Middle	5.5	0.4	82	18.0	18.0	7.9	7.9	31.5	31.5	99.3	99.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8			7.8	1.8	2
						5.5	0.4	88	18.0		7.9	7.9	31.5	31.5	99.3	99.3	7.8										7.8	1.8
					Bottom	10.0	0.4	58	18.0	18.0	8.0	8.0	31.5	31.5	99.7	99.9	7.8	7.8	7.8	7.8	7.8	7.8	7.8			7.8	2.0	2
						10.0	0.4	62	18.0		8.0	8.0	31.5	31.5	100.0	99.9	7.8										7.8	2.1
IM1	Cloudy	Moderate	21:34	6.8	Surface	1.0	0.3	200	17.6	17.6	7.8	7.8	32.4	32.4	101.9	101.9	8.0	8.0	8.0	4.1	4.1	1.5	<2	818362	806444			
						1.0	0.3	200	17.6		7.8	7.8	32.4	32.4	101.8	101.8	8.0					8.0	1.6			<2		
					Middle	3.4	0.3	179	17.6	17.6	7.8	7.8	32.5	32.5	101.4	101.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0			8.0	4.1	<2
						3.4	0.3	171	17.6		7.8	7.8	32.5	32.5	101.4	101.4	8.0										8.0	4.3
					Bottom	5.8	0.3	214	17.5	17.5	7.9	7.9	32.6	32.6	101.7	101.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0			8.0	6.5	<2
						5.8	0.3	221	17.5		7.9	7.9	32.6	32.6	101.9	101.9	8.0										8.0	6.5
IM2	Cloudy	Moderate	21:30	7.2	Surface	1.0	0.3	188	17.6	17.6	7.8	7.8	32.3	32.3	101.5	101.5	8.0	8.0	8.0	5.3	5.3	1.8	2	819203	806214			
						1.0	0.3	190	17.6		7.8	7.8	32.3	32.3	101.5	101.5	8.0					8.0	1.9			2		
					Middle	3.6	0.3	185	17.6	17.6	7.8	7.8	32.5	32.5	100.9	100.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9			7.9	3.3	2
						3.6	0.3	187	17.6		7.8	7.8	32.5	32.5	100.9	100.9	7.9										7.9	3.5
					Bottom	6.2	0.3	200	17.5	17.5	7.8	7.8	32.6	32.6	101.2	101.3	8.0	8.0	8.0	8.0	8.0	8.0	8.0			8.0	11.0	2
						6.2	0.3	194	17.5		7.8	7.8	32.6	32.6	101.3	101.3	8.0										8.0	10.5
IM7	Cloudy	Moderate	21:10	7.8	Surface	1.0	0.2	154	17.8	17.8	7.8	7.8	31.5	31.6	99.9	99.9	7.9	7.9	7.9	0.9	0.9	0.6	3	821354	806828			
						1.0	0.2	156	17.8		7.8	7.8	31.6	31.6	99.9	99.9	7.9					7.9	0.6			3		
					Middle	3.9	0.2	181	17.7	17.7	7.8	7.8	31.9	31.9	99.9	100.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9			7.9	0.9	3
						3.9	0.2	176	17.7		7.8	7.8	32.0	32.0	100.0	100.0	7.9										7.9	1.0
					Bottom	6.8	0.3	172	17.6	17.6	7.8	7.8	32.2	32.2	101.0	101.1	8.0	8.0	8.0	8.0	8.0	8.0	8.0			8.0	1.2	4
						6.8	0.2	178	17.6		7.8	7.8	32.2	32.2	101.2	101.2	8.0										8.0	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 16 February 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	09:05	8.8	Surface	1.0	0.0	50	17.4	17.4	7.8	7.8	32.7	32.7	99.4	99.4	7.8	7.8	5.7	7.9	2	2	815634	804245			
						1.0	0.1	55	17.4	7.8	7.8	32.7	32.7	99.4	99.4	7.8	7.8	5.8	7.9	2	2						
					Middle	4.4	0.1	54	17.4	7.8	7.8	32.7	32.7	99.4	99.5	7.8	7.8	6.4	7.9	3	2	3			2		
						4.4	0.1	49	17.4	7.8	7.8	32.7	32.7	99.5	99.5	7.8	7.8	6.6	7.9	2	2						
					Bottom	7.8	0.0	35	17.4	7.9	7.9	32.7	32.7	100.3	100.4	7.9	7.9	11.3	7.9	7.9	7.9	11.8			2.1	2	2
						7.8	0.0	32	17.4	7.9	7.9	32.7	32.7	100.5	100.4	7.9	7.9	11.8	7.9	7.9	7.9	11.8			2.1	2	2
C2	Cloudy	Moderate	10:25	11.4	Surface	1.0	0.1	175	17.8	17.8	7.8	7.8	31.1	31.1	99.6	99.6	7.9	7.9	0.4	7.9	3	3	825679	806960			
						1.0	0.1	176	17.8	7.8	7.8	31.1	31.1	99.6	99.6	7.9	7.9	0.4	7.9	2	3						
					Middle	5.7	0.1	178	17.7	7.8	7.8	31.3	31.3	99.6	99.6	7.9	7.9	0.6	7.9	3	3	2			2		
						5.7	0.1	183	17.7	7.8	7.8	31.4	31.4	99.5	99.5	7.9	7.9	0.6	7.9	2	3						
					Bottom	10.4	0.1	152	17.6	7.9	7.9	31.9	31.9	99.5	99.5	7.8	7.8	5.2	7.8	7.8	7.8	5.2			2.1	3	3
						10.4	0.1	154	17.6	7.9	7.9	31.9	31.9	99.5	99.5	7.8	7.8	5.7	7.8	7.8	7.8	5.7			2.1	4	3
C3	Misty	Moderate	10:08	11.0	Surface	1.0	0.1	71	18.0	18.0	7.9	7.9	31.5	31.5	98.7	98.7	7.7	7.7	1.0	7.8	6	4	822124	817799			
						1.0	0.1	66	18.0	7.9	7.9	31.5	31.5	98.7	98.7	7.7	7.7	1.1	7.8	5	4						
					Middle	5.5	0.1	71	18.0	7.9	7.9	31.5	31.5	99.1	99.2	7.8	7.8	1.1	7.8	2	4	2			2		
						5.5	0.0	70	18.0	7.9	7.9	31.5	31.5	99.3	99.3	7.8	7.8	1.2	7.8	2	4						
					Bottom	10.0	0.1	104	18.0	7.9	7.9	31.5	31.5	100.1	100.2	7.8	7.8	1.6	7.9	7.9	7.9	1.6			2.1	3	3
						10.0	0.1	108	18.0	7.9	7.9	31.5	31.5	100.3	100.3	7.9	7.9	1.5	7.9	7.9	7.9	1.5			2.1	3	3
IM1	Cloudy	Moderate	09:30	6.7	Surface	1.0	0.1	149	17.6	17.6	7.8	7.8	32.4	32.4	100.6	100.6	7.9	7.9	1.4	7.9	4	3	818333	806440			
						1.0	0.0	143	17.6	7.8	7.8	32.4	32.4	100.6	100.6	7.9	7.9	1.4	7.9	4	3						
					Middle	3.4	0.0	175	17.6	7.8	7.8	32.4	32.4	100.0	100.0	7.9	7.9	2.0	7.9	7.9	7.9	2.0			2.5	3	3
						3.4	0.1	174	17.6	7.8	7.8	32.4	32.4	100.0	100.0	7.9	7.9	2.1	7.9	7.9	7.9	2.1			2.5	2	3
					Bottom	5.7	0.0	138	17.5	7.8	7.8	32.5	32.5	99.6	99.6	7.8	7.8	5.3	7.8	7.8	7.8	5.3			2.5	2	3
						5.7	0.0	130	17.5	7.8	7.8	32.5	32.5	99.6	99.6	7.8	7.8	5.6	7.8	7.8	7.8	5.6			2.5	2	3
IM2	Cloudy	Moderate	09:36	7.2	Surface	1.0	0.0	102	17.6	17.6	7.8	7.8	32.3	32.3	100.1	100.1	7.9	7.9	1.7	7.9	<2	<2	819192	806232			
						1.0	0.0	106	17.6	7.8	7.8	32.3	32.3	100.0	100.0	7.9	7.9	1.8	7.9	<2	<2						
					Middle	3.6	0.1	99	17.6	7.8	7.8	32.4	32.4	99.7	99.7	7.8	7.8	2.4	7.8	7.8	7.8	2.4			2.5	<2	<2
						3.6	0.0	105	17.6	7.8	7.8	32.5	32.5	99.6	99.6	7.8	7.8	2.6	7.8	7.8	7.8	2.6			2.5	<2	<2
					Bottom	6.2	0.0	130	17.6	7.8	7.8	32.5	32.5	99.4	99.5	7.8	7.8	3.2	7.8	7.8	7.8	3.2			2.5	2	2
						6.2	0.0	132	17.6	7.8	7.8	32.5	32.5	99.5	99.5	7.8	7.8	3.3	7.8	7.8	7.8	3.3			2.5	2	2
IM7	Cloudy	Moderate	09:57	8.2	Surface	1.0	0.1	131	17.8	17.8	7.8	7.8	31.2	31.3	99.7	99.7	7.9	7.9	0.5	7.9	<2	<2	821359	806826			
						1.0	0.1	131	17.8	7.8	7.8	31.3	31.3	99.7	99.7	7.9	7.9	0.5	7.9	<2	<2						
					Middle	4.1	0.1	131	17.7	7.8	7.8	32.1	32.1	99.5	99.6	7.8	7.8	1.1	7.8	7.9	7.9	1.1			1.0	<2	2
						4.1	0.1	132	17.6	7.9	7.9	32.1	32.1	99.6	99.6	7.8	7.8	1.2	7.8	7.9	7.9	1.2			1.0	<2	2
					Bottom	7.2	0.0	152	17.6	7.9	7.9	32.2	32.2	99.9	100.0	7.9	7.9	1.5	7.9	7.9	7.9	1.5			1.0	2	2
						7.2	0.0	146	17.6	7.9	7.9	32.2	32.2	100.0	100.0	7.9	7.9	1.5	7.9	7.9	7.9	1.5			1.0	2	2

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 16 February 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	11:12	8.4	Surface	1.0	0.1	130	18.2	18.2	7.9	7.9	30.5	30.5	103.0	103.2	8.1	8.2	1.1	1.2	2	2	822223	809853						
						1.0	0.1	134	18.2		7.9		30.5		103.3		8.1		1.0		2									
					Middle	4.2	0.1	121	18.2	18.2	8.0	8.0	30.6	30.6	104.0	104.2	8.2	8.3	1.1	1.5	<2	<2			3	3				
						4.2	0.1	118	18.2		8.0		30.6		104.3		8.2		1.2		<2									
					Bottom	7.4	0.1	138	18.2	18.2	8.0	8.0	30.6	30.6	105.2	105.6	8.3	8.3	1.6	2.2	<2	<2					3	3		
						7.4	0.1	131	18.2		8.0		30.6		105.9		8.3		1.5		<2									
IM11	Misty	Moderate	11:05	7.4	Surface	1.0	0.1	103	18.1	18.1	8.0	8.0	30.5	30.5	103.0	103.1	8.1	8.2	1.1	1.5	3	3	821482	810562						
						1.0	0.0	104	18.1		8.0		30.5		103.2		8.1		1.1		3									
					Middle	3.7	0.1	110	18.1	18.1	8.0	8.0	30.6	30.6	103.8	104.0	8.2	8.3	1.4	2.2	2	2			3	3				
						3.7	0.1	109	18.1		8.0		30.6		104.1		8.2		1.5		2									
					Bottom	6.4	0.1	103	18.1	18.1	8.0	8.0	30.6	30.6	105.1	105.5	8.3	8.3	2.1	2.2	2	2					3	3		
						6.4	0.1	102	18.1		8.0		30.6		105.8		8.3		2.2		3									
IM12	Misty	Moderate	10:59	7.2	Surface	1.0	0.1	89	18.1	18.1	8.0	8.0	30.7	30.7	103.3	103.4	8.1	8.2	1.0	1.6	2	3	821169	811496						
						1.0	0.2	91	18.1		8.0		30.7		103.4		8.1		1.1		3									
					Middle	3.6	0.1	95	18.1	18.1	8.0	8.0	30.7	30.7	104.0	104.2	8.2	8.4	1.3	2.3	3	3			3	3				
						3.6	0.1	101	18.1		8.0		30.7		104.4		8.2		1.3		3									
					Bottom	6.2	0.1	92	18.1	18.1	8.0	8.0	30.7	30.7	105.4	105.9	8.3	8.4	2.3	2.4	3	2					2	2		
						6.2	0.1	89	18.1		8.0		30.7		106.3		8.4		2.4		2									
SR1A	Misty	Moderate	10:39	5.0	Surface	1.0	0.0	186	18.2	18.2	7.9	7.9	30.3	30.3	103.5	103.7	8.1	8.2	1.0	1.1	<2	<2	819983	812655						
						1.0	0.0	183	18.2		7.9		30.3		103.9		8.2		1.1		<2									
					Middle	2.5	0.0	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<2	<2			3	3
						2.5	0.0	181	-		-		-		-		-		-		-				-					
					Bottom	4.0	-	188	18.1	18.2	7.9	7.9	30.4	30.2	105.6	105.6	8.3	8.3	1.2	1.3	<2	<2			2	2				
						4.0	0.0	190	18.2		8.0		30.1		105.6		8.3		1.3		<2									
SR2	Misty	Moderate	10:28	4.4	Surface	1.0	0.1	42	18.2	18.2	7.9	7.9	30.7	30.7	103.6	103.7	8.1	8.2	1.7	2.1	2	2	821459	814169						
						1.0	0.1	37	18.2		7.9		30.7		103.8		8.2		1.6		2									
					Middle	-	0.0	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-					2	2	3	3
						-	0.1	39	-		-		-		-		-		-		-						-			
					Bottom	3.4	0.0	66	18.2	18.2	7.9	7.9	30.7	30.7	104.1	104.2	8.2	8.2	2.6	2.6	2	2			2	2				
						3.4	0.0	65	18.2		7.9		30.7		104.3		8.2		2.6		2									
SR3	Cloudy	Moderate	10:04	9.2	Surface	1.0	0.1	151	17.8	17.8	7.8	7.8	31.1	31.1	101.1	101.2	8.0	8.0	0.3	1.2	<2	<2	822135	807569						
						1.0	0.1	150	17.8		7.8		31.1		101.2		8.0		0.3		<2									
					Middle	4.6	0.0	156	17.6	17.6	7.8	7.8	31.8	31.8	101.5	101.5	8.0	8.0	1.2	2.0	2	3					3	3		
						4.6	0.1	150	17.6		7.8		31.9		101.5		8.0		1.3		3									
					Bottom	8.2	0.1	141	17.6	17.6	7.8	7.8	32.1	32.1	101.8	101.8	8.0	8.0	2.0	2.1	4	4			2	2				
						8.2	0.0	141	17.6		7.8		32.1		101.8		8.0		2.1		4									
SR4A	Cloudy	Moderate	08:37	8.8	Surface	1.0	0.0	302	17.6	17.6	7.9	7.9	31.4	31.4	100.1	100.1	7.9	7.9	10.9	6.0	<2	<2	817185	807832						
						1.0	0.0	302	17.6		7.9		31.4		100.1		7.9		11.0		<2									
					Middle	4.4	0.0	314	17.6	17.6	7.8	7.8	31.9	31.9	99.7	99.7	7.9	7.9	3.5	3.5	<2	<2					2	2		
						4.4	0.0	310	17.6		7.8		31.9		99.7		7.9		3.5		<2									
					Bottom	7.8	0.1	320	17.6	17.6	7.8	7.8	31.9	31.9	99.8	99.8	7.9	7.9	3.6	3.6	3	2			2	2				
						7.8	0.1	314	17.6		7.8		31.9		99.8		7.9		3.6		2									
SR8	Misty	Moderate	10:55	4.8	Surface	1.0	-	-	18.2	18.2	8.0	8.0	30.6	30.6	104.0	104.2	8.2	8.2	1.3	1.7	<2	<2	820371	811600						
						1.0	-	-	18.2		8.0		30.6		104.3		8.2		1.3		<2									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					<2	<2	3	3
						-	-	-	-		-		-		-		-		-		-						-			
					Bottom	3.8	-	-	18.1	18.1	8.0	8.0	30.5	30.6	105.3	105.5	8.3	8.3	2.1	2.1	<2	<2			2	2				
						3.8	-	-	18.1		8.0		30.6		105.6		8.3		2.1		<2									

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 February 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	Fine	Moderate	23:46	8.5	Surface	1.0	0.5	N/A	17.9	17.9	7.9	7.9	31.6	31.7	99.2	99.1	7.8	7.8	7.8	8.4	5.7	5	815634	804254
						1.0	0.5	N/A	17.9		7.9		31.7		98.9		7.8				6.2			
					Middle	4.3	0.6	N/A	17.8	17.8	7.9	7.9	32.1	32.1	98.6	98.7	7.7	7.7	9.5	6	4			
						4.3	0.6	N/A	17.8		7.9		32.0		98.7		7.7		9.5					
					Bottom	7.5	0.5	N/A	17.8	17.8	7.9	7.9	32.0	32.0	99.7	99.9	7.8	7.8	9.7	6	4			
						7.5	0.5	N/A	17.8		7.9		32.0		100.0		7.8		9.8			5		
C2	Fine	Moderate	22:36	11.1	Surface	1.0	0.4	164	18.0	18.0	7.9	7.9	31.2	31.2	99.1	99.1	7.8	7.8	7.8	3.4	2.2	3	825686	806933
						1.0	0.4	165	18.0		7.9		31.3		99.1		7.8				2.5			
					Middle	5.6	0.3	187	17.9	17.9	7.9	7.9	31.9	32.0	99.0	99.0	7.8	7.8	3.8	6	3			
						5.6	0.4	184	17.9		7.9		32.0		98.9		7.8		3.9					
					Bottom	10.1	0.4	166	17.9	17.9	7.9	7.9	32.0	32.0	98.5	98.5	7.7	7.7	4.0	3	2			
						10.1	0.3	160	17.9		7.9		32.0		98.4		7.7		3.9			2		
C3	Fine	Calm	23:24	11.0	Surface	1.0	0.5	89	18.4	18.4	8.0	8.0	31.4	31.4	96.9	96.9	7.6	7.6	7.6	1.4	1.1	4	822124	817803
						1.0	0.5	81	18.3		8.0		31.4		96.8		7.6				1.1			
					Middle	5.5	0.5	89	18.3	18.3	8.0	8.0	31.4	31.4	96.7	96.7	7.5	7.5	1.2	2	3			
						5.5	0.4	96	18.3		8.0		31.4		96.7		7.6		1.2					
					Bottom	10.0	0.4	92	18.2	18.3	8.0	8.0	31.4	31.4	96.8	96.9	7.6	7.6	1.8	2	2			
						10.0	0.5	96	18.3		8.0		31.4		96.9		7.6		1.9			2		
IM1	Fine	Moderate	23:22	6.0	Surface	1.0	0.3	180	17.9	17.9	7.9	7.9	31.9	31.9	101.7	101.7	8.0	7.9	7.9	5.4	4.1	3	818353	806478
						1.0	0.2	181	17.9		7.9		32.0		101.7		8.0				4.1			
					Middle	3.0	0.3	173	17.8	17.8	7.9	7.9	32.3	32.3	98.6	98.7	7.7	7.7	3.9	4	4			
						3.0	0.2	175	17.8		7.9		32.3		98.7		7.7		4.0					
					Bottom	5.0	0.3	202	17.7	17.7	7.7	7.7	32.4	32.4	99.0	99.1	7.8	7.8	8.2	4	4			
						5.0	0.3	207	17.7		7.7		32.4		99.2		7.8		8.0			4		
IM2	Fine	Moderate	23:17	6.5	Surface	1.0	0.3	187	18.0	18.0	7.9	7.9	31.8	31.8	100.1	100.0	7.8	7.8	7.8	6.0	4.4	5	819162	806256
						1.0	0.3	181	18.0		7.9		31.8		99.8		7.8				4.4			
					Middle	3.3	0.3	188	17.8	17.8	7.9	7.9	32.2	32.2	98.1	98.1	7.7	7.7	5.6	4	3			
						3.3	0.3	182	17.8		7.9		32.2		98.0		7.7		5.8					
					Bottom	5.5	0.3	209	17.8	17.8	7.8	7.8	32.4	32.4	98.8	98.9	7.7	7.8	7.7	5	4			
						5.5	0.3	208	17.8		7.8		32.4		98.9		7.8		8.0			4		
IM7	Fine	Moderate	23:01	8.3	Surface	1.0	0.3	169	18.0	18.0	7.9	7.9	31.6	31.6	98.6	98.6	7.7	7.7	7.7	2.8	2.5	2	821346	806822
						1.0	0.2	166	18.0		7.9		31.7		98.5		7.7				2.6			
					Middle	4.2	0.3	171	17.9	17.9	7.8	7.8	32.2	32.2	98.6	98.7	7.7	7.7	3.0	2	2			
						4.2	0.2	168	17.9		7.8		32.2		98.8		7.7		3.0					
					Bottom	7.3	0.3	176	17.9	17.9	7.8	7.8	32.2	32.2	99.1	99.2	7.8	7.8	2.9	2	2			
						7.3	0.3	182	17.9		7.8		32.2		99.3		7.8		2.9			2		

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Water Quality Monitoring

Water Quality Monitoring Results on 18 February 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	Calm	22:20	10.0	Surface	1.0	0.3	105	18.5	18.6	8.0	8.0	30.7	30.7	98.2	98.2	7.7	7.6	1.2	1.7	3	3	822250	809823
						1.0	0.3	98	18.6		8.0	8.0	30.7	30.7	98.1	98.2	7.6		1.1		2			
					Middle	5.0	0.3	112	18.6	18.6	8.0	8.0	30.9	30.9	98.0	98.0	7.6	7.6	1.6	4				
						5.0	0.4	117	18.6		8.0	8.0	30.9	30.9	98.0	98.0	7.6		1.8	5				
					Bottom	9.0	0.4	114	18.6	18.6	8.0	8.0	30.9	30.9	98.1	98.1	7.6	7.6	2.1	2				
						9.0	0.4	114	18.6		8.0	8.0	30.9	30.9	98.1	98.1	7.6		2.1	2				
IM11	Fine	Calm	22:28	9.4	Surface	1.0	0.4	98	18.5	18.5	8.0	8.0	30.6	30.7	98.4	98.3	7.7	7.7	1.2	1.6	4	3	821477	810560
						1.0	0.4	92	18.4		8.0	8.0	30.7	30.7	98.2	98.3	7.7		1.3		5			
					Middle	4.7	0.4	93	18.4	18.4	8.0	8.0	31.0	31.0	97.7	97.6	7.6	7.6	1.7	3				
						4.7	0.4	88	18.4		8.0	8.0	31.1	31.0	97.5	97.6	7.6		1.8	3				
					Bottom	8.4	0.5	77	18.5	18.6	8.0	8.0	31.0	31.0	97.3	97.3	7.6	7.6	1.9	2				
						8.4	0.5	73	18.6		8.0	8.0	30.9	31.0	97.3	97.3	7.6		1.9	2				
IM12	Fine	Calm	22:34	8.4	Surface	1.0	0.5	86	18.4	18.4	8.0	8.0	30.7	30.8	98.2	98.1	7.7	7.7	1.0	1.6	2	3	821138	811504
						1.0	0.5	81	18.4		8.0	8.0	30.9	30.8	98.0	98.1	7.7		1.0		3			
					Middle	4.2	0.4	79	18.4	18.4	8.0	8.0	31.1	31.1	97.8	97.9	7.6	7.6	1.7	2				
						4.2	0.5	73	18.4		8.0	8.0	31.0	31.0	97.9	97.9	7.6		1.7	3				
					Bottom	7.4	0.4	100	18.7	18.8	8.0	8.0	30.8	30.7	99.0	99.1	7.7	7.7	2.0	3				
						7.4	0.4	105	18.8		8.0	8.0	30.7	30.7	99.2	99.1	7.7		2.1	2				
SR1A	Fine	Calm	22:50	4.4	Surface	1.0	0.0	76	18.6	18.6	8.0	8.0	31.2	31.2	98.2	98.2	7.6	7.6	1.8	1.9	2	2	819974	812653
						1.0	0.0	68	18.6		8.0	8.0	31.2	31.2	98.2	98.2	7.6		1.9		2			
					Middle	2.2	0.0	67	-	-	-	-	-	-	-	-	-	-	-	-				
						2.2	0.0	65	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.4	0.0	78	18.5	18.5	8.0	8.0	31.2	31.2	98.3	98.3	7.6	7.6	2.0	2				
						3.4	0.1	71	18.5		8.0	8.0	31.2	31.2	98.3	98.3	7.6		2.1	2				
SR2	Fine	Calm	23:07	5.6	Surface	1.0	0.6	32	18.4	18.4	8.0	8.0	31.2	31.2	98.3	98.2	7.7	7.7	1.1	1.2	<2	2	821447	814172
						1.0	0.6	31	18.4		8.0	8.0	31.2	31.2	98.1	98.2	7.6		1.1		<2			
					Middle	-	0.5	38	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.5	43	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.6	0.6	25	18.4	18.4	8.0	8.0	31.2	31.2	97.9	97.9	7.6	7.6	1.3	2				
						4.6	0.6	31	18.4		8.0	8.0	31.2	31.2	97.9	97.9	7.6		1.3	2				
SR3	Fine	Moderate	22:50	9.4	Surface	1.0	0.4	144	17.9	17.9	7.9	7.9	31.3	31.4	98.6	98.6	7.7	7.7	2.3	2.5	4	3	822157	807549
						1.0	0.4	144	17.9		7.9	7.9	31.5	31.4	98.6	98.6	7.7		2.5		4			
					Middle	4.7	0.4	171	17.9	17.9	7.9	7.9	31.7	31.7	98.3	98.3	7.7	7.7	2.8	3				
						4.7	0.4	166	17.9		7.9	7.9	31.7	31.7	98.2	98.3	7.7		2.7	4				
					Bottom	8.4	0.4	171	18.0	18.0	7.9	7.9	31.4	31.3	98.1	98.1	7.7	7.7	2.3	2				
						8.4	0.4	164	18.0		7.9	7.9	31.3	31.3	98.1	98.1	7.7		2.1	3				
SR4A	Fine	Moderate	00:13	8.3	Surface	1.0	0.0	356	18.3	18.3	7.9	7.9	31.7	31.7	103.5	103.4	8.1	8.0	4.0	5.4	6	6	817194	807828
						1.0	0.1	356	18.3		7.9	7.9	31.7	31.7	103.2	103.4	8.0		4.1		5			
					Middle	4.2	0.0	21	18.0	18.0	7.9	7.9	32.0	32.0	100.5	100.5	7.9	7.9	5.7	6				
						4.2	0.0	21	18.0		7.9	7.9	32.0	32.0	100.5	100.5	7.9		5.7	6				
					Bottom	7.3	0.1	2	17.9	17.9	7.8	7.8	32.1	32.1	100.4	100.5	7.9	7.9	6.3	5				
						7.3	0.1	2	17.9		7.8	7.8	32.1	32.1	100.6	100.6	7.9		6.3	5				
SR8	Fine	Calm	22:39	4.6	Surface	1.0	-	-	18.9	19.0	8.0	8.0	30.6	30.7	97.7	97.7	7.6	7.6	1.1	1.2	4	4	820394	811625
						1.0	-	-	19.0		8.0	8.0	30.7	30.7	97.6	97.6	7.5		1.1		3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.6	-	-	19.1	19.2	8.0	8.0	30.6	30.5	97.4	97.4	7.5	7.5	1.3	4				
						3.6	-	-	19.2		8.0	8.0	30.4	30.5	97.4	97.4	7.5		1.4	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 18 February 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	Fine	Moderate	07:11	8.3	Surface	1.0	0.4	21	17.9	17.9	7.9	7.9	31.7	31.7	99.6	99.5	7.8	7.8	4.6	5.6	4	3	815615	804224				
						1.0	0.4	14	17.9		7.9		31.7		99.3		7.8		4.8		4							
					Middle	4.2	0.4	40	17.8	17.8	7.9	7.9	32.1	32.1	97.9	97.9	7.7	7.7	5.7	7.6	3	7.6			4	3		
						4.2	0.4	38	17.8		7.9		32.1		97.9		7.7		5.6		2							
					Bottom	7.3	0.4	14	17.8	17.8	7.9	7.9	32.2	32.2	97.4	97.5	7.6	7.6	6.4	7.6	6.4	7.6			2	7.6	3	7.6
						7.3	0.4	17	17.8		7.9		32.2		97.5		7.6		6.4		3							
C2	Fine	Moderate	08:30	11.4	Surface	1.0	0.4	338	18.2	18.2	7.9	7.9	30.5	30.5	98.8	98.8	7.8	7.8	1.8	4.4	4	3	825679	806938				
						1.0	0.4	344	18.2		7.9		30.5		98.8		7.8		2.0		2							
					Middle	5.7	0.3	342	17.9	17.9	7.9	7.9	31.9	31.9	98.5	98.5	7.7	7.7	3.9	7.7	2	7.7			2	7.7		
						5.7	0.4	335	17.9		7.9		31.9		98.4		7.7		4.0		3							
					Bottom	10.4	0.4	352	17.9	17.9	7.9	7.9	31.8	31.8	98.2	98.3	7.7	7.7	7.5	7.7	7.5	7.7			2	7.7	2	7.7
						10.4	0.4	348	17.9		7.9		31.7		98.3		7.7		7.5		2							
C3	Misty	Calm	07:01	11.2	Surface	1.0	0.5	251	18.4	18.4	8.1	8.1	31.4	31.4	98.2	98.2	7.7	7.7	0.9	1.3	3	2	822107	817808				
						1.0	0.5	252	18.4		8.1		31.4		98.2		7.7		0.9		2							
					Middle	5.6	0.5	256	18.3	18.3	8.1	8.1	31.4	31.4	97.6	97.6	7.6	7.6	1.5	7.6	2	7.6			2	7.6		
						5.6	0.6	261	18.3		8.1		31.4		97.6		7.6		1.5		2							
					Bottom	10.2	0.5	266	18.3	18.3	8.1	8.1	31.4	31.4	97.6	97.6	7.6	7.6	1.5	7.6	1.5	7.6			3	7.6	2	7.6
						10.2	0.5	269	18.3		8.1		31.4		97.6		7.6		1.5		2							
IM1	Fine	Moderate	07:34	6.5	Surface	1.0	0.3	19	18.0	18.0	7.9	7.9	31.7	31.7	100.3	100.2	7.9	7.8	3.6	5.1	4	4	818370	806453				
						1.0	0.3	11	17.9		7.9		31.7		100.0		7.8		3.6		5							
					Middle	3.3	0.3	356	17.8	17.8	7.9	7.9	32.1	32.1	97.7	97.7	7.7	7.7	5.2	7.7	3	7.7			3	7.7		
						3.3	0.3	351	17.8		7.9		32.1		97.6		7.7		5.4		5							
					Bottom	5.5	0.3	7	17.8	17.8	7.9	7.9	32.2	32.2	98.0	98.1	7.7	7.7	6.5	7.7	6.5	7.7			3	7.7	6	7.7
						5.5	0.3	1	17.8		7.9		32.2		98.1		7.7		6.5		4							
IM2	Fine	Moderate	07:38	6.6	Surface	1.0	0.3	3	17.8	17.8	7.9	7.9	31.9	31.9	98.8	98.7	7.8	7.7	3.7	6.4	5	5	819191	806243				
						1.0	0.3	0	17.8		7.9		31.9		98.6		7.7		3.8		5							
					Middle	3.3	0.2	22	17.8	17.8	7.9	7.9	32.2	32.3	97.2	97.2	7.6	7.6	6.3	7.6	6	7.6			6	7.6		
						3.3	0.3	27	17.7		7.9		32.3		97.1		7.6		6.4		5							
					Bottom	5.6	0.2	26	17.7	17.7	7.9	7.9	32.4	32.4	96.9	96.9	7.6	7.6	9.2	7.6	9.0	7.6			5	7.6	4	7.6
						5.6	0.3	28	17.7		7.9		32.4		96.9		7.6		9.0		4							
IM7	Fine	Moderate	07:58	8.3	Surface	1.0	0.3	14	18.1	18.1	7.9	7.9	31.2	31.3	98.8	98.8	7.8	7.8	1.8	2.6	3	3	821363	806851				
						1.0	0.3	14	18.0		7.9		31.3		98.8		7.8		1.9		4							
					Middle	4.2	0.2	352	17.9	17.9	7.9	7.9	32.1	32.1	98.4	98.5	7.7	7.7	3.0	7.7	3	7.7			3	7.7		
						4.2	0.2	352	17.9		7.9		32.1		98.5		7.7		3.0		2							
					Bottom	7.3	0.2	349	17.9	17.9	7.8	7.8	32.1	32.1	99.0	99.1	7.8	7.8	2.9	7.8	2.9	7.8			3	7.8		
						7.3	0.2	354	17.9		7.8		32.1		99.1		7.8		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 18 February 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	08:08	8.4	Surface	1.0	0.3	302	18.4	18.4	8.0	8.0	31.1	31.1	96.9	96.9	7.6	7.6	1.1	1.7	3	3	822227	809858
						1.0	0.3	296	18.4		8.0	8.0	31.1	31.1	96.8	96.8	7.6		1.1		2			
					Middle	4.2	0.4	288	18.5	18.6	8.0	8.0	31.0	31.0	96.8	96.8	7.5	7.5	1.3	1.3	3			
						4.2	0.4	294	18.6		8.0	8.0	30.9	31.0	96.8	96.8	7.5		1.3		2			
					Bottom	7.4	0.3	316	18.8	18.8	8.0	8.0	30.8	30.7	96.9	97.0	7.5	7.5	2.7	2.7	3			
						7.4	0.4	320	18.8		8.0	8.0	30.7	30.7	97.0	97.0	7.5		2.7		3			
IM11	Misty	Calm	08:00	7.4	Surface	1.0	0.5	269	18.5	18.5	8.0	8.0	30.8	30.8	98.5	98.4	7.7	7.6	1.1	1.2	3	3	821501	810557
						1.0	0.5	274	18.5		8.0	8.0	30.8	30.8	98.2	98.4	7.7		1.1		2			
					Middle	3.7	0.5	282	18.5	18.6	8.0	8.0	30.8	30.8	98.0	97.4	7.6	7.6	1.2	1.2	4			
						3.7	0.4	288	18.7		8.0	8.0	30.8	30.8	96.8	97.4	7.5		1.1		3			
					Bottom	6.4	0.4	291	18.7	18.8	8.0	8.0	30.8	30.8	96.5	96.4	7.5	7.5	1.2	1.2	3			
						6.4	0.4	284	18.9		8.0	8.0	30.8	30.8	96.2	96.4	7.5		1.2		2			
IM12	Misty	Calm	07:55	7.0	Surface	1.0	0.5	294	18.6	18.6	8.0	8.0	30.9	30.9	98.1	98.0	7.6	7.6	1.0	1.1	3	2	821185	811533
						1.0	0.5	291	18.6		8.0	8.0	30.9	30.9	97.8	98.0	7.6		1.0		3			
					Middle	3.5	0.5	267	18.6	18.7	8.0	8.0	31.0	30.9	97.2	97.1	7.6	7.6	1.1	1.1	2			
						3.5	0.5	269	18.7		8.0	8.0	30.9	30.9	96.9	97.1	7.5		1.1		2			
					Bottom	6.0	0.5	281	18.8	18.8	8.0	8.0	30.8	30.7	96.2	96.1	7.5	7.5	1.1	1.1	2			
						6.0	0.5	280	18.8		8.0	8.0	30.7	30.7	96.0	96.1	7.4		1.1		2			
SR1A	Misty	Calm	07:34	5.2	Surface	1.0	0.0	191	18.4	18.4	8.0	8.0	31.1	31.1	96.2	96.2	7.5	7.5	1.1	1.2	2	2	819982	812659
						1.0	0.1	186	18.4		8.0	8.0	31.1	31.1	96.2	96.2	7.5		1.1		2			
					Middle	2.6	0.0	204	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.6	0.0	200	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.2	0.0	178	18.5	18.6	8.0	8.0	31.0	30.9	95.7	95.3	7.5	7.5	1.2	1.2	<2			
						4.2	0.0	181	18.6		8.0	8.0	30.7	30.9	94.9	95.3	7.4		1.2		<2			
SR2	Misty	Calm	07:21	4.8	Surface	1.0	0.0	255	18.4	18.4	8.1	8.1	31.4	31.4	98.2	98.2	7.7	7.7	0.9	1.0	<2	<2	821474	814182
						1.0	0.1	253	18.4		8.1	8.1	31.4	31.4	98.2	98.2	7.7		0.9		<2			
					Middle	-	0.1	252	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	247	-		-	-	-	-	-	-	-		-		-			
					Bottom	3.8	0.1	263	18.4	18.4	8.1	8.1	31.4	31.4	98.1	98.1	7.6	7.6	1.0	1.0	<2			
						3.8	0.1	261	18.4		8.1	8.1	31.4	31.4	98.1	98.1	7.6		1.0		<2			
SR3	Fine	Moderate	08:03	9.2	Surface	1.0	0.3	3	18.0	18.0	7.9	7.9	30.9	31.0	99.2	99.2	7.8	7.8	2.4	3.8	3	2	822169	807569
						1.0	0.3	7	18.0		7.9	7.9	31.1	31.0	99.2	99.2	7.8		2.6		3			
					Middle	4.6	0.3	347	17.9	17.9	7.9	7.9	31.8	31.8	99.6	99.6	7.8	7.8	4.2	4.4	<2			
						4.6	0.3	351	17.9		7.9	7.9	31.9	31.8	99.6	99.6	7.8		4.4		<2			
					Bottom	8.2	0.4	344	17.9	17.9	7.8	7.8	31.9	31.9	99.6	99.6	7.8	7.8	4.7	4.7	<2			
						8.2	0.4	350	17.9		7.8	7.8	31.9	31.9	99.6	99.6	7.8		4.7		<2			
SR4A	Fine	Moderate	06:44	8.6	Surface	1.0	0.0	250	17.9	18.0	7.9	7.9	31.6	31.6	100.8	100.8	7.9	7.9	4.8	5.4	<2	3	817209	807826
						1.0	0.0	252	18.0		7.9	7.9	31.6	31.6	100.7	100.8	7.9		4.7		<2			
					Middle	4.3	-	247	17.9	17.9	7.8	7.8	31.7	31.7	99.7	99.7	7.8	7.8	5.1	6.1	3			
						4.3	0.0	242	17.9		7.8	7.8	31.7	31.7	99.7	99.7	7.8		5.1		4			
					Bottom	7.6	0.0	217	17.8	17.8	7.9	7.9	31.7	31.7	98.6	98.6	7.8	7.8	6.4	6.5	3			
						7.6	0.0	216	17.8		7.9	7.9	31.7	31.7	98.6	98.6	7.8		6.4		4			
SR8	Misty	Calm	07:50	4.6	Surface	1.0	-	-	18.6	18.7	8.0	8.0	31.0	31.0	96.6	96.5	7.5	7.5	1.8	1.9	2	2	820371	811604
						1.0	-	-	18.7		8.0	8.0	31.0	31.0	96.4	96.5	7.5		1.8		2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-		-		-			
					Bottom	3.6	-	-	18.8	18.8	8.0	8.0	30.7	30.5	96.2	96.2	7.5	7.5	2.0	2.0	3			
						3.6	-	-	18.8		8.0	8.0	30.3	30.5	96.2	96.2	7.5		2.0		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 21 February 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	13:44	8.7	Surface	1.0	0.2	217	18.3	18.3	7.9	7.9	32.4	32.4	96.5	96.5	7.5	7.5	7.5	7.5	10.3	10	815603	804253
						1.0	0.2	209	18.3	18.3	7.9	7.9	32.4	32.4	96.4	96.5	7.5	7.5	7.5	7.5	10.3	9		
					Middle	4.4	0.2	217	18.2	18.2	7.9	7.9	32.5	32.5	95.9	95.9	7.5	7.5	7.5	7.5	11.2	9		
						4.4	0.2	222	18.2	18.2	7.9	7.9	32.5	32.5	95.9	95.9	7.5	7.5	7.5	7.5	11.2	9		
					Bottom	7.7	0.2	190	18.2	18.2	7.8	7.8	32.5	32.5	96.5	96.5	7.5	7.5	7.5	7.5	12.3	10		
						7.7	0.2	189	18.2	18.2	7.8	7.8	32.5	32.5	96.5	96.5	7.5	7.5	7.5	7.5	12.7	10		
C2	Cloudy	Moderate	12:33	11.4	Surface	1.0	0.0	131	18.5	18.5	7.6	7.6	30.1	30.2	96.0	96.0	7.5	7.5	7.5	7.5	2.5	4	825680	806935
						1.0	0.0	136	18.5	18.5	7.6	7.6	30.2	30.2	96.0	96.0	7.5	7.5	7.5	7.5	2.6	4		
					Middle	5.7	0.0	139	18.4	18.4	7.6	7.6	30.8	30.8	96.1	96.1	7.5	7.5	7.5	7.5	6.3	4		
						5.7	0.1	137	18.4	18.4	7.6	7.6	30.8	30.8	96.1	96.1	7.5	7.5	7.5	7.5	6.4	3		
					Bottom	10.4	0.0	120	18.4	18.4	7.6	7.6	30.8	30.8	96.7	96.8	7.6	7.6	7.6	7.6	7.7	5		
						10.4	0.0	114	18.4	18.4	7.6	7.6	30.8	30.8	96.8	96.8	7.6	7.6	7.6	7.6	7.9	6		
C3	Misty	Moderate	13:44	10.6	Surface	1.0	0.3	95	18.8	18.8	8.0	8.0	31.1	31.1	97.3	97.4	7.5	7.6	7.6	7.6	1.1	3	822114	817818
						1.0	0.3	94	18.8	18.8	8.0	8.0	31.1	31.1	97.5	97.5	7.6	7.6	7.6	7.6	1.0	4		
					Middle	5.3	0.3	78	18.7	18.7	8.0	8.0	31.2	31.2	97.7	97.7	7.6	7.6	7.6	7.6	1.1	4		
						5.3	0.3	79	18.7	18.7	8.0	8.0	31.2	31.2	97.7	97.7	7.6	7.6	7.6	7.6	1.2	4		
					Bottom	9.6	0.4	65	18.7	18.8	7.9	7.9	31.1	31.1	98.4	100.3	7.6	7.8	7.8	7.8	2.0	4		
						9.6	0.4	72	18.8	18.8	7.9	7.9	31.1	31.1	102.1	100.3	7.9	7.8	7.8	7.8	1.9	3		
IM1	Cloudy	Moderate	13:21	7.2	Surface	1.0	0.0	145	18.5	18.5	7.9	7.9	31.6	31.6	98.0	98.0	7.6	7.6	7.6	7.6	7.6	11	818374	806474
						1.0	0.0	137	18.5	18.5	7.9	7.9	31.6	31.6	98.0	98.0	7.6	7.6	7.6	7.6	7.6	7.6		
					Middle	3.6	0.1	166	18.3	18.3	7.9	7.9	31.7	31.7	97.5	97.5	7.6	7.6	7.6	7.6	8.9	9		
						3.6	0.0	169	18.3	18.3	7.9	7.9	31.7	31.7	97.5	97.5	7.6	7.6	7.6	7.6	9.0	9		
					Bottom	6.2	0.1	140	18.2	18.2	7.8	7.8	31.9	31.9	97.7	97.7	7.6	7.6	7.6	7.6	13.6	8		
						6.2	0.1	143	18.2	18.2	7.8	7.8	31.9	31.9	97.7	97.7	7.6	7.6	7.6	7.6	12.5	9		
IM2	Cloudy	Moderate	13:18	7.1	Surface	1.0	0.0	119	18.2	18.2	7.9	7.9	31.6	31.6	96.4	96.4	7.5	7.5	7.5	7.5	10.1	5	819170	806258
						1.0	0.0	113	18.2	18.2	7.9	7.9	31.6	31.6	96.4	96.4	7.5	7.5	7.5	7.5	10.0	4		
					Middle	3.6	0.0	119	18.2	18.2	7.9	7.9	31.7	31.7	96.5	96.5	7.5	7.5	7.5	7.5	10.2	10		
						3.6	0.1	115	18.2	18.2	7.9	7.9	31.7	31.7	96.5	96.5	7.5	7.5	7.5	7.5	10.2	10		
					Bottom	6.1	0.0	119	18.2	18.2	7.8	7.8	31.7	31.7	97.4	97.4	7.6	7.6	7.6	7.6	11.3	10		
						6.1	0.1	119	18.2	18.2	7.8	7.8	31.7	31.7	97.6	97.5	7.6	7.6	7.6	7.6	11.0	11		
IM7	Cloudy	Moderate	12:57	8.0	Surface	1.0	0.2	71	18.7	18.7	7.8	7.8	30.3	30.3	97.4	97.4	7.6	7.6	7.6	7.6	2.4	5	821358	806842
						1.0	0.2	64	18.7	18.7	7.8	7.8	30.3	30.3	97.3	97.3	7.6	7.6	7.6	7.6	2.5	4		
					Middle	4.0	0.3	90	18.4	18.4	7.8	7.8	30.8	30.8	96.4	96.4	7.5	7.5	7.5	7.5	3.4	5		
						4.0	0.2	82	18.4	18.4	7.8	7.8	30.8	30.8	96.4	96.4	7.5	7.5	7.5	7.5	3.5	3		
					Bottom	7.0	0.2	93	18.3	18.3	7.8	7.8	31.0	31.0	96.2	96.2	7.5	7.5	7.5	7.5	4.8	4		
						7.0	0.2	92	18.3	18.3	7.8	7.8	31.0	31.0	96.3	96.3	7.5	7.5	7.5	7.5	5.0	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 21 February 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	12:33	10.0	Surface	1.0	0.1	47	18.8	18.8	8.0	8.0	30.4	30.4	100.2	100.3	7.8	7.8	1.6	1.7	4	4	822218	809853	
						1.0	0.2	42	18.8		8.0	8.0	30.4	30.4	100.3	100.3	7.8		1.5		4				
					Middle	5.0	0.1	49	18.8	18.8	8.0	8.0	30.4	30.4	100.4	100.5	7.8	7.9	1.7	2.0	4	3			4
						5.0	0.1	55	18.8		8.0	8.0	30.4	30.4	100.6	100.5	7.8		1.6		3				
					Bottom	9.0	0.1	80	18.8	18.8	8.0	8.0	30.4	30.4	100.9	101.0	7.8	7.9	2.0	2.0	4	3			4
						9.0	0.2	73	18.8		8.0	8.0	30.4	30.4	101.1	101.0	7.9		2.0		3				
IM11	Misty	Moderate	12:41	9.4	Surface	1.0	0.1	73	18.8	18.8	8.0	8.0	30.4	30.4	100.2	100.3	7.8	7.9	2.0	2.0	3	3	821505	810538	
						1.0	0.1	66	18.8		8.0	8.0	30.4	30.4	100.3	100.3	7.8		1.9		4				
					Middle	4.7	0.2	62	18.6	18.6	8.0	8.0	30.6	30.6	100.6	100.7	7.9	7.9	2.0	2.0	2	3			3
						4.7	0.2	55	18.5		8.0	8.0	30.6	30.6	100.7	100.7	7.9		2.0		3				
					Bottom	8.4	0.2	70	18.4	18.4	8.0	8.0	30.7	30.8	101.1	101.3	7.9	7.9	2.0	2.1	3	3			3
						8.4	0.1	72	18.3		8.0	8.0	30.8	30.8	101.4	101.3	7.9		2.1		3				
IM12	Misty	Moderate	12:48	8.2	Surface	1.0	0.2	86	18.8	18.8	8.0	8.0	30.4	30.5	101.0	101.1	7.9	7.9	1.4	1.7	3	4	821165	811532	
						1.0	0.2	82	18.7		8.0	8.0	30.5	30.5	101.1	101.1	7.9		1.5		4				
					Middle	4.1	0.2	81	18.6	18.6	8.0	8.0	30.6	30.6	101.5	101.6	7.9	7.9	1.7	1.9	2	3			3
						4.1	0.2	73	18.5		8.0	8.0	30.6	30.6	101.6	101.6	7.9		1.7		3				
					Bottom	7.2	0.2	106	18.4	18.5	8.0	8.0	30.6	30.5	102.3	102.3	8.0	8.1	1.9	2.0	5	5			5
						7.2	0.2	109	18.5		8.0	8.0	30.3	30.5	102.3	102.3	8.1		2.0		5				
SR1A	Misty	Moderate	13:10	4.8	Surface	1.0	0.0	17	19.1	19.1	8.0	8.0	30.4	30.4	97.5	97.5	7.5	7.5	1.1	1.1	4	4	819978	812662	
						1.0	0.0	20	19.1		8.0	8.0	30.4	30.4	97.5	97.5	7.5		1.1		4				
					Middle	2.4	0.0	11	-	-	-	-	-	-	-	-	-	7.5	-	1.1	-	4			4
						2.4	0.0	16	-		-	-	-	-	-	-	-		-		-				
					Bottom	3.8	0.0	4	19.1	19.1	8.0	8.0	30.4	30.4	97.6	97.6	7.6	7.6	1.1	1.2	4	4			4
						3.8	0.1	11	19.1		8.0	8.0	30.4	30.4	97.6	97.6	7.6		1.2		4				
SR2	Misty	Moderate	13:27	5.4	Surface	1.0	0.2	54	18.8	18.8	8.0	8.0	30.5	30.5	100.9	101.0	7.8	7.9	1.3	1.4	3	4	821470	814152	
						1.0	0.2	56	18.7		8.0	8.0	30.5	30.5	101.0	101.0	7.9		1.3		3				
					Middle	-	0.2	55	-	-	-	-	-	-	-	-	-	7.9	-	1.4	-	4			4
						-	0.2	62	-		-	-	-	-	-	-	-		-		-				
					Bottom	4.4	0.1	54	18.7	18.7	8.0	8.0	30.6	30.6	101.8	102.1	7.9	8.0	1.4	1.5	4	5			5
						4.4	0.2	51	18.7		8.0	8.0	30.6	30.6	102.3	102.1	8.0		1.5		5				
SR3	Cloudy	Moderate	12:50	8.6	Surface	1.0	0.2	68	18.3	18.3	7.9	7.9	31.0	31.0	96.1	96.1	7.5	7.5	12.3	13.5	11	13	822166	807577	
						1.0	0.2	63	18.3		7.9	7.9	31.0	31.0	96.0	95.9	7.5		12.6		12				
					Middle	4.3	0.2	57	18.3	18.3	7.9	7.9	31.0	31.0	95.9	95.9	7.5	7.5	12.7	13.5	12	13			13
						4.3	0.1	57	18.3		7.9	7.9	31.0	31.0	95.9	95.9	7.5		12.6		13				
					Bottom	7.6	0.1	59	18.3	18.3	7.8	7.8	31.0	31.0	95.9	96.0	7.5	7.5	16.0	15.2	13	14			14
						7.6	0.1	54	18.3		7.8	7.8	31.0	31.0	96.0	96.0	7.5		15.2		14				
SR4A	Cloudy	Moderate	14:13	8.6	Surface	1.0	0.0	40	18.5	18.5	7.8	7.8	31.2	31.2	97.2	97.2	7.6	7.6	7.4	7.8	10	10	817185	807817	
						1.0	0.1	37	18.5		7.8	7.8	31.2	31.2	97.2	97.2	7.6		7.5		10				
					Middle	4.3	0.0	10	18.4	18.4	7.8	7.8	31.2	31.2	97.0	97.0	7.6	7.6	7.9	7.8	10	10			10
						4.3	0.0	10	18.4		7.8	7.8	31.2	31.2	97.0	97.0	7.6		8.0		10				
					Bottom	7.6	0.0	46	18.4	18.4	7.8	7.8	31.3	31.3	97.0	97.1	7.6	7.6	8.0	7.8	10	8			8
						7.6	0.0	39	18.4		7.8	7.8	31.3	31.3	97.1	97.1	7.6		8.0		8				
SR8	Misty	Moderate	13:02	5.0	Surface	1.0	-	-	18.8	18.8	8.0	8.0	30.6	30.6	102.0	102.0	7.9	7.9	1.2	1.6	4	3	820372	811609	
						1.0	-	-	18.7		8.0	8.0	30.6	30.6	102.0	102.0	7.9		1.3		4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	1.6	-	3			3
						-	-	-	-		-	-	-	-	-	-	-		-		-				
					Bottom	4.0	-	-	18.6	18.6	8.0	8.0	30.7	30.7	102.1	102.1	8.0	8.0	2.0	2.1	3	2			2
						4.0	-	-	18.5		8.0	8.0	30.7	30.7	102.1	102.1	8.0		2.1		2				

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 21 February 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	08:47	8.9	Surface	1.0	0.4	47	18.1	18.1	7.8	7.8	31.5	31.5	97.3	97.3	7.6	7.6	9.8	11.3	12	12	815630	804246
						1.0	0.3	44	18.1		7.8		31.5		97.3		7.6							
					Middle	4.5	0.4	14	18.1	18.1	7.8	7.8	31.5	31.5	96.9	96.9	7.6	7.6	10.6	7.6	12			
						4.5	0.3	9	18.1		7.8		31.5		96.9		7.6		11.2					
					Bottom	7.9	0.4	46	18.1	18.1	7.8	7.8	31.5	31.5	96.9	96.9	7.6	7.6	12.7	7.6	10			
						7.9	0.4	38	18.1		7.8		31.5		96.9		7.6		13.7		12			
C2	Cloudy	Moderate	10:04	10.9	Surface	1.0	0.5	341	18.5	18.5	7.8	7.8	30.2	30.2	94.8	94.8	7.4	7.4	3.1	5.5	5	5	825703	806947
						1.0	0.5	333	18.5		7.8		30.3		94.8		7.4		3.2					
					Middle	5.5	0.4	352	18.4	18.4	7.9	7.9	30.8	30.8	95.3	95.3	7.5	7.5	5.2	7.5	4			
						5.5	0.4	355	18.4		7.9		30.8		95.3		7.5		5.4		5			
					Bottom	9.9	0.4	7	18.3	18.3	7.8	7.8	31.0	31.0	96.1	96.2	7.5	7.5	7.8	7.5	5			
						9.9	0.4	359	18.3		7.8		30.9		96.2		7.5		8.3		5			
C3	Misty	Calm	09:13	11.4	Surface	1.0	0.5	263	18.7	18.7	8.0	8.0	31.3	31.3	94.8	94.8	7.3	7.3	1.2	1.2	4	4	822120	817795
						1.0	0.5	260	18.7		8.0		31.3		94.8		7.3		1.1		3			
					Middle	5.7	0.5	262	18.7	18.7	8.0	8.0	31.3	31.3	94.8	94.8	7.3	7.3	1.3	7.3	3			
						5.7	0.6	268	18.7		8.0		31.3		94.8		7.3		1.4		3			
					Bottom	10.4	0.4	286	18.7	18.7	8.0	8.0	31.3	31.3	94.9	95.0	7.4	7.4	1.3	7.4	4			
						10.4	0.4	279	18.7		8.0		31.3		95.0		7.4		1.2		4			
IM1	Cloudy	Moderate	09:09	6.4	Surface	1.0	0.2	14	18.1	18.1	7.9	7.9	31.5	31.5	96.3	96.3	7.5	7.5	14.1	13.3	18	19	818366	806474
						1.0	0.2	18	18.1		7.9		31.5		96.3		7.5		14.4					
					Middle	3.2	0.3	12	18.1	18.1	7.8	7.8	31.6	31.6	96.2	96.2	7.5	7.5	11.2	7.5	19			
						3.2	0.3	12	18.1		7.8		31.6		96.2		7.5		11.2		18			
					Bottom	5.4	0.3	26	18.1	18.1	7.9	7.9	31.5	31.5	96.2	96.2	7.5	7.5	14.4	7.5	20			
						5.4	0.2	27	18.1		7.9		31.5		96.2		7.5		14.4		18			
IM2	Cloudy	Moderate	09:12	7.2	Surface	1.0	0.3	29	18.2	18.2	7.9	7.9	31.5	31.5	96.4	96.5	7.5	7.5	12.6	13.2	24	24	819173	806219
						1.0	0.3	30	18.2		7.9		31.5		96.5		7.5		12.6					
					Middle	3.6	0.3	15	18.1	18.1	7.9	7.9	31.6	31.6	96.6	96.6	7.6	7.6	13.6	7.6	23			
						3.6	0.3	12	18.1		7.9		31.6		96.6		7.6		13.3		24			
					Bottom	6.2	0.4	28	18.1	18.1	7.8	7.8	31.6	31.6	97.4	97.5	7.6	7.6	13.5	7.6	24			
						6.2	0.4	31	18.1		7.8		31.6		97.5		7.6		13.7		24			
IM7	Cloudy	Moderate	09:32	7.8	Surface	1.0	0.3	17	18.6	18.6	7.8	7.8	30.4	30.4	96.7	96.7	7.6	7.6	2.5	3.7	8	7	821359	806856
						1.0	0.3	23	18.6		7.8		30.4		96.7		7.6		2.5					
					Middle	3.9	0.3	20	18.4	18.4	7.9	7.9	30.7	30.7	96.3	96.3	7.5	7.5	3.8	7.5	7			
						3.9	0.4	19	18.4		7.9		30.7		96.3		7.5		3.9		7			
					Bottom	6.8	0.3	7	18.4	18.4	7.9	7.9	30.9	30.9	96.3	96.3	7.5	7.5	4.7	7.5	5			
						6.8	0.3	11	18.4		7.9		30.9		96.3		7.5		4.8		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 21 February 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	10:15	8.6	Surface	1.0	0.3	310	18.8	18.8	8.0	8.0	30.4	30.4	99.9	99.9	7.8	7.8	1.0	1.4	4	4	822219	809824				
						1.0	0.3	305	18.8		8.0	8.0	30.4	30.4	99.9	99.9	7.8		1.1		3							
					Middle	4.3	0.4	293	18.8	18.8	8.0	8.0	30.4	30.4	99.9	99.9	7.8	7.8	1.1	5								
						4.3	0.4	290	18.8		8.0	8.0	30.4	30.4	99.9	99.9	7.8		1.1	3								
					Bottom	7.6	0.3	277	18.8	18.8	8.0	8.0	30.4	30.4	100.0	100.0	7.8	7.8	1.9	3								
						7.6	0.3	275	18.8		8.0	8.0	30.4	30.4	100.0	100.0	7.8		2.0	3								
IM11	Misty	Calm	10:08	9.2	Surface	1.0	0.4	279	18.8	18.8	8.0	8.0	30.4	30.4	98.7	98.7	7.7	7.7	1.5	1.8	4	5	821506	810532				
						1.0	0.4	279	18.8		8.0	8.0	30.4	30.4	98.7	98.7	7.7		1.5		5							
					Middle	4.6	0.4	303	18.8	18.8	8.0	8.0	30.4	30.4	98.9	98.9	7.7	7.7	1.7	3								
						4.6	0.4	298	18.8		8.0	8.0	30.4	30.4	98.9	98.9	7.7		1.6	4								
					Bottom	8.2	0.4	260	18.8	18.8	8.0	8.0	30.4	30.4	99.1	99.2	7.7	7.7	2.3	7								
						8.2	0.4	257	18.8		8.0	8.0	30.4	30.4	99.2	99.2	7.7		2.3	7								
IM12	Misty	Calm	10:02	7.2	Surface	1.0	0.3	279	18.9	18.9	8.0	8.0	30.4	30.4	98.9	98.9	7.7	7.7	1.7	2.6	4	4	821150	811502				
						1.0	0.3	285	18.9		8.0	8.0	30.4	30.4	98.9	98.9	7.7		1.6		4							
					Middle	3.6	0.4	299	18.9	18.9	7.9	7.9	30.3	30.3	99.1	99.2	7.7	7.7	2.1	4								
						3.6	0.4	303	18.9		7.9	7.9	30.3	30.3	99.2	99.2	7.7		2.2	3								
					Bottom	6.2	0.4	272	18.9	18.9	7.9	7.9	30.3	30.2	99.5	99.6	7.7	7.8	4.0	5								
						6.2	0.3	268	18.9		7.9	7.9	30.2	30.2	99.7	99.7	7.8		3.9	4								
SR1A	Misty	Calm	09:41	4.8	Surface	1.0	-	230	18.9	18.9	8.0	8.0	30.4	30.4	99.8	99.9	7.7	7.8	1.2	1.6	3	4	819983	812654				
						1.0	0.0	233	18.9		8.0	8.0	30.4	30.4	100.0	100.0	7.8		1.3		4							
					Middle	2.4	0.0	222	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.4	0.1	229	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.8	0.1	242	18.9	18.9	8.0	8.0	30.3	30.3	100.5	100.8	7.8	7.8	2.0	4								
						3.8	0.0	238	18.9		8.0	8.0	30.4	30.3	101.1	100.8	7.8		2.1	3								
SR2	Misty	Calm	09:28	5.0	Surface	1.0	0.1	258	18.9	18.9	7.9	7.9	30.4	30.4	97.2	97.3	7.5	7.5	1.8	2.2	4	4	821465	814173				
						1.0	0.1	254	18.9		7.9	7.9	30.4	30.4	97.3	97.3	7.5		1.7		4							
					Middle	-	0.1	244	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.1	244	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.0	0.1	273	18.9	18.9	7.9	7.9	30.4	30.4	97.4	97.4	7.6	7.6	2.7	4								
						4.0	0.1	278	18.9		7.9	7.9	30.3	30.4	97.4	97.4	7.6		2.6	4								
SR3	Cloudy	Moderate	09:39	9.0	Surface	1.0	0.4	3	18.4	18.4	7.9	7.9	31.1	31.1	95.9	95.9	7.5	7.5	12.1	8.6	8	7	822150	807589				
						1.0	0.4	358	18.4		7.9	7.9	31.1	31.1	95.9	95.9	7.5		12.1		7							
					Middle	4.5	0.4	330	18.3	18.3	7.9	7.9	31.1	31.1	95.7	95.7	7.5	7.5	7.0	6								
						4.5	0.4	335	18.3		7.9	7.9	31.1	31.1	95.7	95.7	7.5		6.7	7								
					Bottom	8.0	0.4	326	18.3	18.3	7.8	7.8	31.1	31.1	96.2	96.3	7.5	7.5	6.9	7								
						8.0	0.5	328	18.3		7.8	7.8	31.1	31.1	96.3	96.3	7.5		6.8	8								
SR4A	Cloudy	Moderate	08:18	8.8	Surface	1.0	0.0	205	18.2	18.2	7.9	7.9	30.9	30.9	94.9	94.9	7.4	7.4	11.1	12.2	13	13	817198	807825				
						1.0	0.0	209	18.2		7.9	7.9	30.9	30.9	94.9	94.9	7.4		11.3		13							
					Middle	4.4	-	212	18.2	18.2	7.9	7.9	30.9	30.9	94.8	94.8	7.4	7.4	12.5	12								
						4.4	0.0	214	18.2		7.9	7.9	30.9	30.9	94.8	94.8	7.4		12.7	12								
					Bottom	7.8	0.0	209	18.2	18.2	7.9	7.9	30.9	30.9	94.8	94.8	7.4	7.4	12.7	14								
						7.8	0.0	209	18.2		7.9	7.9	30.9	30.9	94.7	94.7	7.4		12.7	14								
SR8	Misty	Calm	09:57	4.8	Surface	1.0	-	-	18.9	18.9	7.9	7.9	30.3	30.3	99.7	99.7	7.7	7.7	1.1	1.8	4	4	820407	811600				
						1.0	-	-	18.9		7.9	7.9	30.3	30.3	99.7	99.7	7.7		1.1		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.8	-	-	18.9	18.9	7.9	7.9	30.3	30.3	99.7	99.6	7.7	7.7	2.5	3								
						3.8	-	-	18.9		7.9	7.9	30.3	30.3	99.4	99.4	7.7		2.4	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 23 February 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	15:12	8.2	Surface	1.0	0.4	211	18.7	18.7	8.1	8.1	31.3	31.3	99.6	99.6	7.7	7.8	6.0	8.2	3	4	815624	804266								
						1.0	0.4	207	18.7	18.7	8.1	8.1	31.4	31.3	99.5	99.6	7.7	7.8	6.1	8.2	4											
					Middle	4.1	0.4	227	18.6	18.6	8.1	8.1	31.6	31.6	100.1	100.2	7.8	7.8	7.9	7.8	7.9				3							
						4.1	0.4	223	18.6	18.6	8.1	8.1	31.6	31.6	100.3	100.2	7.8	7.8	8.0	7.9	8.0				4							
					Bottom	7.2	0.3	213	18.7	18.8	8.1	8.1	31.5	31.5	102.2	102.4	7.9	7.9	10.9	7.9	10.9				4							
						7.2	0.3	205	18.8	18.8	8.1	8.1	31.5	31.5	102.5	102.4	7.9	7.9	10.5	7.9	10.5				5							
					C2	Cloudy	Moderate	13:47	11.2	Surface	1.0	0.1	127	19.2	19.2	8.1	8.1	29.0	29.0	97.5	97.5				7.6	7.6	1.5	2.0	4	4	825689	806968
											1.0	0.1	124	19.2	19.2	8.1	8.1	29.0	29.0	97.5	97.5				7.6	7.6	1.6	7.6	1.6			
Middle	5.6	0.0	149	18.7						18.7	8.1	8.1	30.3	30.3	97.4	97.4	7.6	7.6	2.1	7.6	2.1	2.0	4									
	5.6	0.0	153	18.7						18.7	8.1	8.1	30.3	30.3	97.4	97.4	7.6	7.6	2.1	7.6	2.1	2.0	5									
Bottom	10.2	0.1	155	18.7						18.7	8.1	8.1	30.3	30.3	98.8	98.9	7.7	7.7	2.3	7.7	2.3	2.0	4									
	10.2	0.1	158	18.7						18.7	8.1	8.1	30.3	30.3	98.9	98.9	7.7	7.7	2.3	7.7	2.3	2.0	4									
C3	Misty	Calm	15:26	10.4						Surface	1.0	0.4	76	18.7	18.7	7.8	7.8	30.7	30.7	92.0	91.9	7.2	7.1	2.8	3.5	4	4	822124	817785			
											1.0	0.3	76	18.7	18.7	7.8	7.8	30.7	30.7	91.7	91.9	7.1	7.0	2.9	7.1	2.9						
					Middle	5.2	0.3	82	18.7	18.7	7.8	7.8	30.7	30.7	89.6	89.3	7.0	6.9	3.6	6.9	3.6	3.5	3									
						5.2	0.4	77	18.7	18.7	7.8	7.8	30.7	30.7	89.0	89.3	6.9	6.9	3.7	6.9	3.7	3.5	4									
					Bottom	9.4	0.3	70	18.7	18.7	7.8	7.8	30.7	30.7	83.6	82.9	6.5	6.5	4.1	6.5	4.1	3.5	4									
						9.4	0.3	68	18.7	18.7	7.8	7.8	30.7	30.7	82.2	82.9	6.4	6.4	4.2	6.4	4.2	3.5	3									
					IM1	Cloudy	Moderate	14:50	6.8	Surface	1.0	0.1	180	18.8	18.8	8.1	8.1	31.4	31.4	99.0	99.0	7.7	7.7	9.6	11.4	4				4	818330	806450
											1.0	0.1	185	18.8	18.8	8.1	8.1	31.4	31.4	99.0	99.0	7.7	7.7	10.0	7.7	10.0						
Middle	3.4	0.1	194	18.6						18.6	8.1	8.1	31.4	31.4	99.5	99.7	7.7	7.7	12.2	7.7	12.2	11.4	3									
	3.4	0.1	189	18.6						18.6	8.1	8.1	31.4	31.4	99.8	99.7	7.7	7.7	12.2	7.7	12.2	11.4	4									
Bottom	5.8	0.2	186	18.6						18.6	8.1	8.1	31.4	31.4	100.6	100.7	7.8	7.8	12.3	7.8	12.3	11.4	3									
	5.8	0.2	178	18.6						18.6	8.1	8.1	31.4	31.4	100.7	100.7	7.8	7.8	12.3	7.8	12.3	11.4	4									
IM2	Cloudy	Moderate	14:44	7.5						Surface	1.0	0.1	163	18.7	18.7	8.1	8.1	31.4	31.4	97.5	97.5	7.6	7.6	10.2	12.6	3	4	819163	806231			
											1.0	0.1	169	18.7	18.7	8.1	8.1	31.4	31.4	97.5	97.5	7.6	7.6	10.6	7.6	10.6						
					Middle	3.8	0.1	173	18.6	18.6	8.1	8.1	31.4	31.4	97.5	97.5	7.6	7.6	12.3	7.6	12.5	12.6	5									
						3.8	0.2	173	18.6	18.6	8.1	8.1	31.4	31.4	97.5	97.5	7.6	7.6	12.5	7.6	12.5	12.6	4									
					Bottom	6.5	0.1	188	18.7	18.7	8.1	8.1	31.5	31.5	97.7	97.8	7.6	7.6	15.0	7.6	15.0	12.6	5									
						6.5	0.1	195	18.7	18.7	8.2	8.1	31.5	31.5	97.8	97.8	7.6	7.6	15.3	7.6	15.3	12.6	5									
					IM7	Cloudy	Moderate	14:21	7.9	Surface	1.0	0.2	79	19.0	19.0	8.1	8.1	30.2	30.2	98.0	98.1	7.6	7.7	2.9	3.5	5				4	821352	806820
											1.0	0.2	76	18.9	19.0	8.1	8.1	30.2	30.2	98.1	98.1	7.6	7.7	3.0	7.7	3.0						
Middle	4.0	0.2	107	18.7						18.8	8.1	8.1	30.5	30.5	99.3	99.4	7.7	7.7	3.7	7.7	3.7	3.5	4									
	4.0	0.1	110	18.8						18.8	8.1	8.1	30.5	30.5	99.5	99.4	7.7	7.7	3.7	7.7	3.7	3.5	4									
Bottom	6.9	0.2	90	18.8						18.9	8.1	8.1	30.4	30.4	100.2	100.4	7.8	7.8	3.9	7.8	3.9	3.5	3									
	6.9	0.2	83	18.9						18.9	8.1	8.1	30.4	30.4	100.5	100.4	7.8	7.8	3.8	7.8	3.8	3.5	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 23 February 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	Calm	13:47	8.6	Surface	1.0	0.2	83	18.4	18.4	7.8	7.8	30.7	30.7	94.4	94.4	7.4	7.4	1.1	1.1	4	5	822232	809836			
						1.0	0.2	86	18.3	18.4	7.8	7.8	30.7	30.7	94.3	94.4	7.4	7.4	1.2	1.2	4						
					Middle	4.3	0.2	89	18.3	18.3	7.8	7.8	30.6	30.6	94.0	94.1	7.4	7.4	2.4	2.4	5				2.3		
						4.3	0.1	88	18.3	18.3	7.8	7.8	30.5	30.6	94.1	94.1	7.4	7.4	2.4	2.4	4						
					Bottom	7.6	0.1	58	18.6	18.7	7.8	7.8	30.2	30.2	95.3	95.6	7.4	7.5	3.4	3.4	5				2.3		
						7.6	0.1	53	18.8	18.7	7.8	7.8	30.1	30.2	95.8	95.6	7.5	7.5	3.3	3.3	5						
IM11	Misty	Calm	13:55	8.0	Surface	1.0	0.3	78	18.4	18.4	7.8	7.8	30.3	30.3	94.0	94.0	7.4	7.4	1.6	1.6	4	4	821503	810550			
						1.0	0.3	80	18.3	18.4	7.8	7.8	30.3	30.3	93.9	94.0	7.4	7.4	1.5	1.5	4						
					Middle	4.0	0.3	68	18.3	18.4	7.8	7.8	30.3	30.2	93.6	93.6	7.3	7.3	2.6	2.6	5				2.6		
						4.0	0.3	69	18.4	18.4	7.8	7.8	30.2	30.2	93.6	93.6	7.3	7.3	2.5	2.5	4						
					Bottom	7.0	0.3	66	18.8	18.9	7.8	7.8	29.8	29.7	93.7	93.7	7.3	7.3	3.6	3.6	4				2.6		
						7.0	0.3	59	18.9	18.9	7.8	7.8	29.7	29.7	93.7	93.7	7.3	7.3	3.5	3.5	4						
IM12	Misty	Calm	14:01	8.6	Surface	1.0	0.3	98	18.4	18.4	7.8	7.8	30.5	30.5	95.7	95.8	7.5	7.5	1.0	1.0	4	4	821139	811508			
						1.0	0.3	91	18.4	18.4	7.8	7.8	30.5	30.5	95.8	95.8	7.5	7.5	1.1	1.1	4						
					Middle	4.3	0.2	85	18.4	18.4	7.8	7.8	30.6	30.6	95.9	96.1	7.5	7.5	1.9	1.9	4				1.9		
						4.3	0.2	80	18.4	18.4	7.8	7.8	30.6	30.6	96.3	96.1	7.5	7.5	1.8	1.8	4						
					Bottom	7.6	0.3	113	18.4	18.5	7.8	7.8	30.6	30.5	96.5	96.6	7.6	7.6	2.8	2.8	4				1.9		
						7.6	0.2	115	18.5	18.5	7.8	7.8	30.5	30.5	96.7	96.6	7.6	7.6	2.8	2.8	5						
SR1A	Misty	Calm	14:49	4.2	Surface	1.0	0.0	16	18.6	18.6	7.8	7.8	31.0	31.0	95.1	95.1	7.4	7.4	2.1	2.1	3	4	819979	812662			
						1.0	0.0	16	18.6	18.6	7.8	7.8	31.0	31.0	95.1	95.1	7.4	7.4	2.1	2.1	4						
					Middle	2.1	0.1	15	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.6
						2.1	0.0	8	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	3.2	0.0	34	18.6	18.6	7.8	7.8	31.0	31.0	95.2	95.2	7.4	7.4	3.0	3.0	4				2.6		
						3.2	0.1	40	18.6	18.6	7.8	7.8	31.0	31.0	95.2	95.2	7.4	7.4	3.0	3.0	4						
SR2	Misty	Calm	15:09	5.8	Surface	1.0	0.3	46	18.4	18.4	7.8	7.8	31.0	31.0	94.9	94.9	7.4	7.4	2.9	2.9	4	5	821485	814161			
						1.0	0.4	47	18.4	18.4	7.8	7.8	31.0	31.0	94.9	94.9	7.4	7.4	2.8	2.8	5						
					Middle	-	0.4	50	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.5
						-	0.3	46	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.8	0.4	30	18.5	18.5	7.8	7.8	30.9	30.9	94.8	94.8	7.4	7.4	4.0	4.0	5				3.5		
						4.8	0.3	30	18.5	18.5	7.8	7.8	30.9	30.9	94.8	94.8	7.4	7.4	4.1	4.1	6						
SR3	Cloudy	Moderate	14:14	9.2	Surface	1.0	0.2	120	18.9	18.9	8.1	8.1	29.9	29.9	97.3	97.3	7.6	7.6	3.0	3.0	5	5	822158	807574			
						1.0	0.2	115	18.9	18.9	8.1	8.1	30.0	29.9	97.2	97.3	7.6	7.6	3.2	3.2	6						
					Middle	4.6	0.2	130	18.7	18.7	8.1	8.1	30.5	30.5	97.5	97.6	7.6	7.6	10.5	10.5	5				8.1		
						4.6	0.2	122	18.7	18.7	8.1	8.1	30.5	30.5	97.6	97.6	7.6	7.6	10.7	10.7	4						
					Bottom	8.2	0.1	132	18.8	18.8	8.1	8.1	30.2	30.2	99.7	99.7	7.8	7.8	10.5	10.5	4				8.1		
						8.2	0.2	125	18.8	18.8	8.1	8.1	30.2	30.2	99.7	99.7	7.8	7.8	10.5	10.5	3						
SR4A	Cloudy	Moderate	15:40	8.9	Surface	1.0	0.0	60	18.9	18.9	8.1	8.1	30.9	30.9	98.6	98.6	7.6	7.6	6.0	6.0	4	4	817165	807796			
						1.0	0.0	60	18.9	18.9	8.1	8.1	30.9	30.9	98.5	98.6	7.6	7.6	6.2	6.2	4						
					Middle	4.5	0.0	78	18.8	18.8	8.1	8.1	30.9	30.9	98.4	98.5	7.6	7.6	6.9	6.9	4				6.8		
						4.5	-	77	18.8	18.8	8.1	8.1	30.9	30.9	98.5	98.5	7.6	7.6	7.0	7.0	4						
					Bottom	7.9	0.0	67	18.7	18.7	8.1	8.1	30.9	30.9	98.5	98.6	7.7	7.7	7.5	7.5	3				6.8		
						7.9	0.0	69	18.7	18.7	8.1	8.1	30.9	30.9	98.6	98.6	7.7	7.7	7.4	7.4	4						
SR8	Misty	Calm	14:06	4.6	Surface	1.0	-	-	18.5	18.5	7.8	7.8	30.7	30.7	95.3	95.2	7.4	7.4	2.6	2.6	4	5	820371	811612			
						1.0	-	-	18.4	18.5	7.8	7.8	30.7	30.7	95.1	95.2	7.4	7.4	2.6	2.6	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.1
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	3.6	-	-	18.7	18.8	7.8	7.8	30.4	30.4	94.5	94.5	7.4	7.4	3.7	3.7	6				3.1		
						3.6	-	-	18.8	18.8	7.8	7.8	30.3	30.4	94.5	94.5	7.3	7.4	3.6	3.6	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 23 February 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	Moderate	09:41	8.4	Surface	1.0	0.4	33	18.6	18.6	8.1	8.1	31.3	31.3	96.4	96.4	7.5	7.6	8.9	9.7	4	4	815603	804224										
						1.0	0.4	27	18.6	8.1	8.1	31.3	31.3	96.4	96.4	7.5	8.9																	
						4.2	0.4	48	18.5	18.5	8.1	8.1	31.2	31.2	97.4	97.6	7.6		11.3															
						4.2	0.4	48	18.5	18.5	8.1	8.1	31.2	31.2	97.7	97.6	7.6		11.1															
					Bottom	7.4	0.4	54	18.5	18.5	8.1	8.1	31.2	31.2	98.4	98.5	7.7	7.7	9.0	4														
						7.4	0.4	58	18.5	18.5	8.1	8.1	31.2	31.2	98.6	98.5	7.7	7.7	8.9	4														
						C2	Cloudy	Moderate	11:02	12.1	Surface	1.0	0.5	2	18.8	18.8	8.1	8.1	29.6	29.6	95.8				95.8	7.5	7.5	3.3	6.8	4	6	825677	806936	
												1.0	0.5	357	18.8	18.8	8.1	8.1	29.6	29.6	95.8				95.8	7.5		3.4						
6.1	0.5	8	18.6	18.6	8.1							8.1	30.5	30.5	95.7	95.8	7.5	7.7																
6.1	0.4	0	18.6	18.6	8.1							8.1	30.5	30.5	95.8	95.8	7.5	8.1																
Bottom	11.1	0.5	346	18.6	18.6						8.1	8.1	30.5	30.5	98.5	98.6	7.7	7.7	9.4	7														
	11.1	0.5	352	18.6	18.6						8.1	8.1	30.5	30.5	98.7	98.6	7.7	7.7	9.2	7														
	C3	Misty	Calm	10:08	11.8						Surface	1.0	0.4	252	18.1	18.1	7.9	7.9	31.5	31.5	90.3	90.3	7.1	7.1	4.1	4.6	7	5		822128				817811
												1.0	0.4	259	18.1	18.1	7.9	7.9	31.5	31.5	90.3	90.3	7.1		4.2									
5.9						0.5	245	18.1	18.1	7.9		7.9	31.5	31.5	90.1	90.1	7.1	4.5																
5.9						0.5	250	18.1	18.1	7.9		7.9	31.5	31.5	90.1	90.1	7.1	4.5																
Bottom						10.8	0.5	254	18.1	18.1	7.8	7.8	31.5	31.5	90.1	90.1	7.0	7.0	5.1	3														
						10.8	0.5	247	18.1	18.1	7.8	7.8	31.5	31.5	90.1	90.1	7.0	7.0	5.1	4														
						IM1	Cloudy	Moderate	10:04	6.7	Surface	1.0	0.3	10	18.5	18.5	8.1	8.1	30.9	30.9	96.2	96.2	7.5	7.5	11.9		11.2		3		3	818366	806450	
												1.0	0.3	14	18.5	18.5	8.1	8.1	30.9	30.9	96.2	96.2	7.5		11.0									
3.4	0.3	7	18.5	18.5	8.1							8.1	30.9	30.9	96.5	96.6	7.5	9.9																
3.4	0.3	6	18.5	18.5	8.1							8.1	30.9	30.9	96.6	96.6	7.5	9.5																
Bottom	5.7	0.3	359	18.5	18.5						8.1	8.1	30.9	30.9	96.8	96.8	7.6	7.6	12.3	2														
	5.7	0.3	2	18.5	18.5						8.1	8.1	30.9	30.9	96.8	96.8	7.6	7.6	12.8	4														
	IM2	Cloudy	Moderate	10:09	7.4						Surface	1.0	0.3	2	18.6	18.6	8.1	8.1	31.0	31.0	96.6	96.6	7.5	7.5	11.6	12.9		4	5	819185				806217
												1.0	0.3	355	18.6	18.6	8.1	8.1	31.0	31.0	96.6	96.6	7.5		12.0									
3.7						0.3	19	18.6	18.6	8.1		8.1	31.0	31.0	96.5	96.5	7.5	13.7																
3.7						0.2	25	18.6	18.6	8.1		8.1	31.0	31.0	96.5	96.5	7.5	13.7																
Bottom						6.4	0.3	17	18.6	18.6	8.1	8.1	31.0	31.0	96.8	96.8	7.5	7.5	13.1	5														
						6.4	0.3	18	18.6	18.6	8.1	8.1	31.0	31.0	96.8	96.8	7.5	7.5	13.4	5														
						IM7	Cloudy	Moderate	10:28	8.2	Surface	1.0	0.2	8	18.9	18.9	8.1	8.1	30.0	30.0	96.0	96.0	7.5	7.5	4.5		6.5	4			4	821341	806827	
												1.0	0.3	2	18.9	18.9	8.1	8.1	30.0	30.0	96.0	96.0	7.5		4.5									
4.1	0.3	2	18.7	18.7	8.1							8.1	30.6	30.6	96.0	96.1	7.5	6.9																
4.1	0.3	8	18.7	18.7	8.1							8.1	30.6	30.6	96.1	96.1	7.5	7.0																
Bottom	7.2	0.3	27	18.6	18.6						8.1	8.1	30.6	30.6	97.4	97.4	7.6	7.6	8.2	5														
	7.2	0.2	29	18.6	18.6						8.1	8.1	30.6	30.6	97.4	97.4	7.6	7.6	8.2	4														

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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 25 February 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	Sunny	Rough	17:04	7.7	Surface	1.0	0.4	202	18.2	18.2	7.8	7.8	32.3	32.3	96.1	96.1	7.5	7.5	11.8	15	815623	804267										
						1.0	0.4	201	18.2	7.8	32.3	96.1	7.5																			
					Middle	3.9	0.4	224	18.2	7.8	7.8	32.2	32.2	95.9	95.9	7.5																
						3.9	0.4	226	18.2	7.8	32.2	95.9	7.5																			
					Bottom	6.7	0.4	189	18.1	7.8	7.8	32.3	32.3	95.6	95.7	7.5																
						6.7	0.4	191	18.1	7.8	32.3	95.7	7.5																			
					C2	Sunny	Rough	15:06	9.1	Surface	1.0	0.1	157	18.6	18.6	7.8	7.8						30.1	30.1	94.3	94.3	7.4	7.4	3.7	5	825680	806951
											1.0	0.1	153	18.6	7.8	30.1	94.3						7.4									
Middle	4.6	0.0	176	18.5						7.9	7.9	30.1	30.1	93.9	93.9	7.4																
	4.6	0.0	172	18.5						7.9	30.1	93.9	7.4																			
Bottom	8.1	0.1	150	18.5						7.9	7.9	30.0	30.0	94.4	94.4	7.4																
	8.1	0.1	145	18.5						7.9	30.0	94.4	7.4																			
C3	Misty	Moderate	16:17	9.0						Surface	1.0	0.4	90	18.7	18.7	8.1	8.1	31.1	31.1	92.3	92.3	7.2	7.2	4.6	6	822127	817792					
											1.0	0.4	91	18.7	8.1	31.1	92.3	7.2														
					Middle	4.5	0.4	65	18.7	8.1	8.1	31.1	31.1	92.7	92.7	7.2																
						4.5	0.4	64	18.7	8.1	31.1	92.7	7.2																			
					Bottom	8.0	0.4	63	18.7	8.1	8.1	31.2	31.2	96.6	96.7	7.5																
						8.0	0.4	63	18.7	8.1	31.2	96.8	7.5																			
					IM1	Sunny	Moderate	16:36	7.2	Surface	1.0	0.3	190	18.4	18.4	7.8	7.8	31.7	31.7	96.1	96.1	7.5						7.5	8.0	9	818363	806470
											1.0	0.3	192	18.4	7.8	31.7	96.1	7.5														
Middle	3.6	0.3	175	18.3						7.8	7.8	31.7	31.7	96.0	96.0	7.5																
	3.6	0.3	178	18.3						7.8	31.7	96.0	7.5																			
Bottom	6.2	0.2	191	18.2						7.8	7.8	31.8	31.8	96.0	96.0	7.5																
	6.2	0.2	195	18.2						7.8	31.8	96.0	7.5																			
IM2	Sunny	Moderate	16:24	8.3						Surface	1.0	0.3	185	18.4	18.4	7.9	7.9	31.5	31.5	96.1	96.1	7.5	7.5	8.8	9	819188	806252					
											1.0	0.3	179	18.4	7.9	31.5	96.1	7.5														
					Middle	4.2	0.3	178	18.3	7.9	7.9	31.5	31.5	96.0	96.0	7.5																
						4.2	0.2	173	18.3	7.9	31.5	96.0	7.5																			
					Bottom	7.3	0.2	182	18.3	7.9	7.9	31.7	31.7	96.3	96.3	7.5																
						7.3	0.3	184	18.3	7.9	31.7	96.3	7.5																			
					IM7	Sunny	Rough	15:49	8.5	Surface	1.0	0.2	111	18.5	18.5	7.9	7.9	30.2	30.2	94.8	94.8	7.4						7.4	4.4	5	821340	806819
											1.0	0.2	112	18.5	7.9	30.2	94.8	7.4														
Middle	4.3	0.2	133	18.5						7.9	7.9	30.7	30.7	94.5	94.5	7.4																
	4.3	0.2	131	18.5						7.9	30.7	94.5	7.4																			
Bottom	7.5	0.2	113	18.4						7.8	7.8	30.9	30.8	94.9	95.0	7.4																
	7.5	0.2	120	18.4						7.8	30.8	95.1	7.4																			

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

**Water Quality Monitoring Results on 25 February 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	Misty	Moderate	15:05	9.8	Surface	1.0	0.2	74	19.0	19.0	8.0	8.0	30.1	30.1	92.5	92.5	7.2	7.2	3.3	4.6	4	4	822252	809847			
						1.0	0.3	68	19.0	8.0	8.0	30.1	30.1	92.4	92.5	7.2	7.2	3.3	4								
					Middle	4.9	0.2	82	19.0	8.0	8.0	30.1	30.1	92.5	92.6	7.2	7.2	5.0	4								
						4.9	0.3	76	19.0	8.0	8.0	30.1	30.1	92.6	92.6	7.2	7.2	5.0	5								
					Bottom	8.8	0.1	79	18.9	8.0	8.0	30.1	30.1	92.8	92.8	7.2	7.2	5.6	5								
						8.8	0.2	77	18.9	8.0	8.0	30.1	30.1	92.8	92.8	7.2	7.2	5.6	4								
IM11	Misty	Moderate	15:23	8.4	Surface	1.0	0.4	89	19.0	19.0	8.1	8.1	30.1	30.1	94.6	94.7	7.3	7.5	1.1	2.3	4	4	821487	810552			
						1.0	0.4	89	19.0	8.1	8.1	30.1	30.1	94.7	94.7	7.4	7.5	1.2	3								
					Middle	4.2	0.4	86	19.0	8.1	8.1	30.1	30.1	97.7	97.9	7.6	7.6	2.0	4								
						4.2	0.4	92	18.9	8.1	8.1	30.1	30.1	98.0	98.0	7.6	7.6	2.0	5								
					Bottom	7.4	0.4	81	18.8	8.0	8.0	30.3	30.3	99.1	99.2	7.7	7.7	3.9	5								
						7.4	0.3	84	18.7	8.0	8.0	30.3	30.3	99.3	99.2	7.7	7.7	3.8	5								
IM12	Misty	Moderate	15:28	8.0	Surface	1.0	0.3	101	19.0	19.0	8.1	8.1	30.1	30.1	95.2	95.3	7.4	7.5	2.0	2.9	5	5	821161	811539			
						1.0	0.4	98	19.0	8.1	8.1	30.1	30.1	95.3	95.3	7.4	7.5	2.0	4								
					Middle	4.0	0.3	104	19.0	8.0	8.0	30.1	30.1	97.0	97.1	7.5	7.5	2.9	5								
						4.0	0.4	101	19.0	8.0	8.0	30.1	30.1	97.1	97.1	7.5	7.5	2.9	4								
					Bottom	7.0	0.3	71	18.9	8.0	8.0	30.1	30.1	98.3	98.5	7.6	7.7	4.0	6								
						7.0	0.3	76	18.9	8.0	8.0	30.1	30.1	98.6	98.5	7.7	7.7	3.8	4								
SR1A	Misty	Moderate	15:41	5.2	Surface	1.0	0.0	33	19.0	19.0	8.0	8.0	30.1	30.1	93.9	93.9	7.3	7.3	1.1	1.5	4	5	819981	812665			
						1.0	0.0	38	19.0	8.0	8.0	30.1	30.1	93.9	93.9	7.3	7.3	1.2	4								
					Middle	2.6	0.1	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5
						2.6	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.2	0.1	66	19.0	8.0	8.0	30.1	30.0	93.9	94.0	7.3	7.3	1.9	6								
						4.2	0.1	64	19.0	8.0	8.0	30.0	30.0	94.0	94.0	7.3	7.3	2.0	5								
SR2	Misty	Moderate	15:59	5.6	Surface	1.0	0.3	65	19.0	19.0	8.1	8.0	30.3	30.3	97.9	98.0	7.6	7.6	2.7	2.7	6	6	821471	814155			
						1.0	0.3	70	19.0	8.0	8.0	30.3	30.3	98.1	98.0	7.6	7.6	2.6	5								
					Middle	-	0.3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						-	0.3	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.6	0.3	48	19.1	8.0	8.0	30.2	30.1	99.3	99.5	7.7	7.7	2.7	7								
						4.6	0.2	45	19.2	8.0	8.0	30.1	30.1	99.6	99.5	7.7	7.7	2.8	6								
SR3	Sunny	Rough	15:35	8.6	Surface	1.0	0.2	147	18.4	18.4	7.8	7.8	30.8	30.8	94.4	94.4	7.4	7.4	7.6	9.0	10	10	822128	807549			
						1.0	0.2	147	18.4	7.8	7.8	30.8	30.8	94.4	94.4	7.4	7.4	7.6	9								
					Middle	4.3	0.2	150	18.3	7.8	7.8	30.8	30.8	94.2	94.2	7.4	7.4	9.6	10								
						4.3	0.2	152	18.3	7.8	7.8	30.8	30.8	94.2	94.2	7.4	7.4	9.9	10								
					Bottom	7.6	0.2	151	18.3	7.8	7.8	30.9	30.9	94.3	94.3	7.4	7.4	9.5	12								
						7.6	0.2	156	18.3	7.8	7.8	30.9	30.9	94.3	94.3	7.4	7.4	9.5	11								
SR4A	Sunny	Moderate	17:41	10.4	Surface	1.0	0.0	63	18.4	18.4	7.9	7.9	31.5	31.5	96.5	96.5	7.5	7.5	6.8	8.2	8	10	817202	807789			
						1.0	0.0	63	18.4	7.9	7.9	31.5	31.5	96.5	96.5	7.5	7.5	6.8	9								
					Middle	5.2	0.0	79	18.3	7.9	7.9	31.5	31.5	95.8	95.8	7.5	7.5	8.2	11								
						5.2	0.0	76	18.3	7.9	7.9	31.5	31.5	95.8	95.8	7.5	7.5	8.2	10								
					Bottom	9.4	0.0	78	18.3	7.9	7.9	31.4	31.4	96.1	96.1	7.5	7.5	9.7	10								
						9.4	0.0	72	18.3	7.9	7.9	31.4	31.4	96.1	96.1	7.5	7.5	9.7	11								
SR8	Misty	Moderate	15:32	5.0	Surface	1.0	-	-	19.0	19.0	8.0	8.0	30.0	30.0	98.5	98.6	7.7	7.7	1.8	2.1	5	6	820402	811600			
						1.0	-	-	19.0	8.0	8.0	30.0	30.0	98.7	98.7	7.7	7.7	1.7	6								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
					Bottom	4.0	-	-	18.8	8.0	8.0	30.1	30.1	101.3	101.7	7.9	7.9	2.6	7								
						4.0	-	-	18.8	8.0	8.0	30.1	30.1	102.0	101.7	7.9	7.9	2.5	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 25 February 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	Fine	Rough	09:36	7.1	Surface	1.0	0.2	29	18.2	18.2	7.8	7.8	31.4	31.4	95.0	95.0	7.4	7.4	9.2	10.9	16	17	815635	804267
						1.0	0.2	27	18.2	7.8	7.8	31.4	31.4	95.0	95.0	7.4	7.4	9.3	10.9					
					Middle	3.6	0.2	26	18.2	7.8	7.8	31.4	31.4	94.7	94.7	7.4	7.4	10.9	11.0					
						3.6	0.2	31	18.2	7.8	7.8	31.4	31.4	94.7	94.7	7.4	7.4	11.0	11.0					
					Bottom	6.1	0.2	16	18.2	7.8	7.8	31.3	31.3	94.7	94.7	7.4	7.4	12.6	12.6					
						6.1	0.2	12	18.2	7.8	7.8	31.3	31.3	94.7	94.7	7.4	7.4	12.6	12.6					
C2	Fine	Rough	11:27	8.5	Surface	1.0	0.4	3	18.5	18.5	7.8	7.8	30.1	30.1	94.1	94.1	7.4	7.4	2.6	2.8	4	4	825669	806941
						1.0	0.4	5	18.5	7.8	7.8	30.1	30.1	94.1	94.1	7.4	7.4	2.6	2.6					
					Middle	4.3	0.5	334	18.5	7.8	7.8	30.1	30.1	93.7	93.7	7.3	7.3	2.6	2.7					
						4.3	0.4	330	18.5	7.8	7.8	30.1	30.1	93.7	93.7	7.3	7.3	2.7	2.7					
					Bottom	7.5	0.5	349	18.4	7.8	7.8	30.1	30.1	93.6	93.6	7.3	7.3	3.1	3.1					
						7.5	0.4	352	18.4	7.8	7.8	30.1	30.1	93.6	93.6	7.3	7.3	3.1	3.1					
C3	Misty	Moderate	10:42	10.2	Surface	1.0	0.5	271	18.7	18.7	7.9	7.9	31.2	31.2	90.8	90.8	7.0	7.0	2.8	3.1	4	6	822127	817811
						1.0	0.5	275	18.7	7.9	7.9	31.2	31.2	90.8	90.8	7.0	7.0	2.8	2.8					
					Middle	5.1	0.5	276	18.7	7.9	7.9	31.2	31.2	91.2	91.2	7.1	7.1	3.1	3.0					
						5.1	0.5	272	18.7	7.9	7.9	31.2	31.2	91.2	91.2	7.1	7.1	3.0	3.0					
					Bottom	9.2	0.5	277	18.7	7.9	7.9	31.2	31.2	92.3	92.4	7.2	7.2	3.5	3.5					
						9.2	0.5	283	18.7	7.9	7.9	31.2	31.2	92.5	92.4	7.2	7.2	3.6	3.6					
IM1	Fine	Moderate	10:00	6.9	Surface	1.0	0.2	5	18.3	18.3	7.8	7.8	31.2	31.2	94.4	94.4	7.4	7.4	7.6	9.1	12	14	818349	806468
						1.0	0.2	7	18.3	7.8	7.8	31.2	31.2	94.4	94.4	7.4	7.4	7.7	7.7					
					Middle	3.5	0.2	36	18.3	7.9	7.9	31.2	31.2	94.5	94.5	7.4	7.4	7.6	7.6					
						3.5	0.2	41	18.3	7.9	7.9	31.2	31.2	94.5	94.5	7.4	7.4	7.6	7.6					
					Bottom	5.9	0.1	35	18.3	7.9	7.9	31.1	31.1	94.7	94.8	7.4	7.4	12.1	12.1					
						5.9	0.2	27	18.3	7.9	7.9	31.1	31.1	94.8	94.8	7.4	7.4	12.1	12.1					
IM2	Fine	Moderate	10:12	6.8	Surface	1.0	0.2	1	18.3	18.3	7.8	7.8	31.2	31.2	94.9	94.9	7.4	7.4	7.4	8.9	14	12	819178	806241
						1.0	0.2	0	18.3	7.8	7.8	31.2	31.2	94.8	94.8	7.4	7.4	7.3	7.3					
					Middle	3.4	0.1	4	18.3	7.9	7.9	31.2	31.2	94.8	94.8	7.4	7.4	9.5	9.5					
						3.4	0.1	1	18.3	7.9	7.9	31.2	31.2	94.8	94.8	7.4	7.4	9.5	9.5					
					Bottom	5.8	0.1	346	18.3	7.9	7.9	31.1	31.1	95.0	95.1	7.4	7.4	9.8	9.8					
						5.8	0.2	349	18.3	7.9	7.9	31.1	31.1	95.1	95.1	7.4	7.4	9.7	9.7					
IM7	Fine	Rough	10:43	8.2	Surface	1.0	0.2	331	18.4	18.4	7.8	7.8	30.2	30.2	94.2	94.2	7.4	7.4	2.9	4.5	6	8	821364	806832
						1.0	0.2	332	18.4	7.8	7.8	30.2	30.2	94.2	94.2	7.4	7.4	2.9	2.9					
					Middle	4.1	0.2	322	18.4	7.8	7.8	30.3	30.3	93.9	93.9	7.4	7.4	3.6	3.6					
						4.1	0.2	324	18.4	7.8	7.8	30.3	30.3	93.9	93.9	7.4	7.4	3.6	3.6					
					Bottom	7.2	0.2	323	18.3	7.8	7.8	30.9	30.9	93.8	93.8	7.3	7.3	7.0	7.0					
						7.2	0.2	325	18.3	7.8	7.8	30.9	30.9	93.8	93.8	7.3	7.3	7.0	7.0					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 25 February 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	Moderate	11:49	9.0	Surface	1.0	0.3	301	19.0	19.0	8.0	8.0	30.1	30.1	94.3	94.4	7.3	7.4	4.6	5.5	4	822246	809815	
						1.0	0.3	296	19.0	8.0	30.1	94.5	94.4	7.3	4.7									
					Middle	4.5	0.3	295	18.9	8.0	8.0	30.1	30.1	95.9	96.0	7.5	5.4							
						4.5	0.3	295	18.9	8.0	30.1	96.1	96.0	7.5	5.5									
					Bottom	8.0	0.3	301	18.9	8.0	8.0	30.1	30.1	96.7	96.8	7.5	6.6							
						8.0	0.3	304	18.9	8.0	30.1	96.9	96.8	7.5	6.5									
IM11	Misty	Moderate	11:41	7.8	Surface	1.0	0.4	295	19.0	19.0	8.0	8.0	30.1	30.1	96.0	96.2	7.5	7.5	2.7	3.5	4	821486	810544	
						1.0	0.4	291	19.0	8.0	30.1	96.3	96.2	7.5	2.6									
					Middle	3.9	0.4	296	18.9	8.0	8.0	30.1	30.1	96.8	96.9	7.5	3.7							
						3.9	0.4	294	18.9	8.0	30.1	97.0	96.9	7.5	3.8									
					Bottom	6.8	0.3	274	18.9	8.0	8.0	30.1	30.1	97.9	98.0	7.6	4.0							
						6.8	0.3	280	18.9	8.0	30.1	98.1	98.0	7.6	4.1									
IM12	Misty	Moderate	11:36	8.4	Surface	1.0	0.4	293	19.0	19.0	8.0	8.0	30.1	30.1	94.4	94.5	7.3	7.4	4.7	5.4	4	821176	811501	
						1.0	0.3	296	18.9	8.0	30.1	94.5	94.5	7.3	4.8									
					Middle	4.2	0.4	286	18.9	8.0	8.0	30.1	30.1	95.5	95.7	7.4	5.3							
						4.2	0.4	292	18.9	8.0	30.1	95.8	95.7	7.4	5.5									
					Bottom	7.4	0.4	273	18.9	8.0	8.0	30.1	30.1	96.7	96.9	7.5	5.9							
						7.4	0.3	270	18.9	8.0	30.1	97.0	96.9	7.5	5.9									
SR1A	Misty	Moderate	11:13	4.2	Surface	1.0	0.0	197	18.9	18.9	8.0	8.0	29.9	29.9	97.9	98.0	7.6	7.6	2.7	3.0	4	819978	812655	
						1.0	-	194	18.9	8.0	30.0	98.1	98.0	7.6	2.7									
					Middle	2.1	0.0	198	-	-	-	-	-	-	-	-	-							
						2.1	0.0	204	-	-	-	-	-	-	-	-	-							
					Bottom	3.2	0.1	178	18.9	8.0	8.0	30.0	30.0	99.3	99.7	7.7	3.3							
						3.2	0.0	176	18.9	8.0	30.0	100.0	99.7	7.8	3.3									
SR2	Misty	Moderate	11:00	5.8	Surface	1.0	0.1	289	18.8	18.8	8.0	8.0	30.5	30.5	93.5	93.6	7.3	7.3	5.7	5.9	4	821461	814147	
						1.0	0.1	287	18.8	8.0	30.5	93.6	93.6	7.3	5.6									
					Middle	-	0.1	272	-	-	-	-	-	-	-	-	-							
						-	0.0	274	-	-	-	-	-	-	-	-	-							
					Bottom	4.8	0.0	276	18.8	8.0	8.0	30.5	30.5	96.1	96.2	7.5	6.1							
						4.8	0.1	273	18.8	8.0	30.5	96.3	96.2	7.5	6.2									
SR3	Fine	Rough	10:58	8.6	Surface	1.0	0.3	346	18.5	18.5	7.8	7.8	30.2	30.2	94.4	94.4	7.4	7.4	1.9	2.3	4	822137	807591	
						1.0	0.3	343	18.5	7.8	30.2	94.4	94.4	7.4	1.8									
					Middle	4.3	0.3	320	18.5	7.8	7.8	30.1	30.1	93.8	93.8	7.4	2.1							
						4.3	0.3	321	18.5	7.8	30.1	93.8	93.8	7.4	2.1									
					Bottom	7.6	0.3	357	18.4	7.8	7.8	30.1	30.1	93.5	93.5	7.3	2.8							
						7.6	0.4	352	18.4	7.8	30.1	93.5	93.5	7.3	2.9									
SR4A	Fine	Moderate	08:56	9.9	Surface	1.0	0.0	248	18.4	18.4	7.8	7.8	31.2	31.2	91.9	91.9	7.2	7.2	5.3	6.1	7	817183	807807	
						1.0	0.1	246	18.4	7.8	31.2	91.9	91.9	7.2	5.4									
					Middle	5.0	0.1	249	18.4	7.9	7.9	31.2	31.2	91.7	91.7	7.2	6.0							
						5.0	0.1	252	18.4	7.9	31.2	91.7	91.7	7.2	6.1									
					Bottom	8.9	0.0	233	18.3	7.9	7.9	31.1	31.1	91.5	91.5	7.2	6.8							
						8.9	0.0	229	18.3	7.9	31.1	91.5	91.5	7.2	6.8									
SR8	Misty	Moderate	11:31	4.6	Surface	1.0	-	-	19.0	19.0	8.0	8.0	29.9	29.9	96.9	97.0	7.5	7.5	2.3	2.4	4	820404	811604	
						1.0	-	-	19.0	8.0	29.9	97.0	97.0	7.5	2.2									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.6	-	-	19.0	19.0	8.0	8.0	29.9	29.9	97.9	98.0	7.6		2.5					
						3.6	-	-	19.0	8.0	29.9	98.1	98.0	7.6	2.5									

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 28 February 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	19:56	8.1	Surface	1.0	0.3	213	18.7	18.7	8.1	8.1	31.7	31.7	99.9	99.8	7.7	7.7	3.0	5.2	3	5	815625	804230								
						1.0	0.3	206	18.6		8.1		31.7		99.6		7.7		3.0		4											
					Middle	4.1	0.4	222	18.5	18.5	8.1	8.1	31.9	32.0	98.6	98.6	7.6	7.6	5.2	7.6	5				7.6	5						
						4.1	0.4	217	18.5		8.1		32.0		98.5		7.6		5.6													
					Bottom	7.1	0.4	232	18.4	18.4	8.1	8.1	32.1	32.1	98.3	98.4	7.6	7.6	7.2	7.6	5				7.6	5						
						7.1	0.4	235	18.4		8.1		32.1		98.4		7.6		7.3		5											
					C2	Cloudy	Moderate	18:23	11.2	Surface	1.0	0.3	166	18.8	18.8	8.1	8.1	30.0	30.0	96.2	96.1				7.5	7.4	0.7	0.7	4	4	825670	806953
											1.0	0.3	168	18.8		8.1		30.1		95.9					7.5		4					
Middle	5.6	0.3	186	18.7						18.7	8.1	8.1	30.5	30.5	94.3	94.3	7.4	7.3	0.7	7.3	4	7.3	4									
	5.6	0.3	181	18.6							8.1		30.5		94.2		7.3		0.7		4											
Bottom	10.2	0.4	159	18.7						18.7	8.1	8.1	30.3	30.3	93.7	93.8	7.3	7.3	0.7	7.3	4	7.3	4									
	10.2	0.3	164	18.7							8.1		30.2		93.9		7.3		0.7		3											
C3	Misty	Calm	19:18	10.6						Surface	1.0	0.3	82	18.1	18.1	8.0	8.0	32.2	32.2	93.8	93.8	7.3	7.3	3.3	4.2	3	3	822107	817805			
											1.0	0.3	87	18.1		8.0		32.2		93.8		7.3		3.2		4						
					Middle	5.3	0.3	57	18.1	18.2	8.0	8.0	32.2	32.2	94.0	94.0	7.3	7.3	4.4	7.3	4	7.3	4									
						5.3	0.3	54	18.2		8.0		32.2		94.0		7.3		4.4		3											
					Bottom	9.6	0.3	81	18.4	18.5	8.0	8.0	31.9	31.9	95.4	97.6	7.4	7.6	5.0	7.6	2	7.6	2									
						9.6	0.4	87	18.5		8.0		31.9		99.8		7.7		5.1		3											
					IM1	Cloudy	Moderate	19:32	7.0	Surface	1.0	0.3	186	18.7	18.7	8.1	8.1	32.1	32.1	99.4	99.3	7.7	7.7	3.0	4.2	4				4	818341	806439
											1.0	0.3	187	18.7		8.1		32.1		99.2		7.7		3.2		5						
Middle	3.5	0.3	201	18.6						18.6	8.1	8.1	32.1	32.1	98.5	98.5	7.6	7.6	4.3	7.6	4	7.6	4									
	3.5	0.3	200	18.6							8.1		32.1		98.5		7.6		4.5		4											
Bottom	6.0	0.3	214	18.5						18.5	8.1	8.1	32.2	32.2	98.4	98.5	7.6	7.6	5.0	7.6	4	7.6	4									
	6.0	0.3	213	18.5							8.1		32.2		98.6		7.6		5.0		4											
IM2	Cloudy	Moderate	19:26	7.5						Surface	1.0	0.3	207	19.0	19.0	8.1	8.1	32.1	32.1	101.8	101.8	7.8	7.8	1.3	3.8	5	5	819182	806213			
											1.0	0.3	210	19.0		8.1		32.1		101.7		7.8		1.3		6						
					Middle	3.8	0.3	214	18.6	18.6	8.1	8.1	32.1	32.1	100.0	100.0	7.7	7.7	1.5	7.7	6	7.7	6									
						3.8	0.4	212	18.6		8.1		32.1		99.9		7.7		1.7		4											
					Bottom	6.5	0.3	202	18.6	18.6	8.0	8.0	32.2	32.1	100.2	100.3	7.7	7.8	8.4	7.8	4	7.8	4									
						6.5	0.3	203	18.6		8.0		32.1		100.4		7.8		8.4		4											
					IM7	Cloudy	Moderate	19:03	8.7	Surface	1.0	0.1	163	18.4	18.4	8.1	8.1	31.2	31.3	97.0	97.0	7.6	7.6	1.2	1.8	6				5	821358	806851
											1.0	0.1	164	18.4		8.1		31.3		97.0		7.6		1.3		5						
Middle	4.4	0.1	175	18.4						18.4	8.0	8.0	31.6	31.6	97.3	97.4	7.6	7.6	1.6	7.6	4	7.6	4									
	4.4	0.1	170	18.4							8.0		31.6		97.4		7.6		1.7		5											
Bottom	7.7	0.1	148	18.4						18.4	8.0	8.0	31.8	31.7	98.1	98.2	7.6	7.6	2.3	7.6	4	7.6	4									
	7.7	0.2	143	18.4							8.0		31.7		98.3		7.6		2.3		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 28 February 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	06:52	8.2	Surface	1.0	0.1	217	18.5	18.5	8.0	8.0	32.1	32.1	97.7	97.7	7.6	7.6	2.7	4.6	4	5	815609	804257		
						1.0	0.0	215	18.5		8.0		32.1		97.6		7.6		3.0		4					
					Middle	4.1	0.1	222	18.5	18.5	8.0	8.0	32.1	32.1	97.2	97.2	7.5	7.5	6.3	7.5	5				7.5	5
						4.1	0.1	217	18.5		8.0		32.1		97.2		7.5		6.5		4					
					Bottom	7.2	0.1	188	18.5	18.5	8.0	8.0	32.2	32.2	97.1	97.1	7.5	7.5	4.7	7.5	6				7.5	6
						7.2	0.1	184	18.5		8.0		32.2		97.1		7.5		4.7		5					
C2	Cloudy	Moderate	08:21	12.8	Surface	1.0	0.3	162	19.0	19.0	8.1	8.1	29.8	29.8	98.7	98.7	7.7	7.7	1.5	1.1	3	4	825666	806966		
						1.0	0.2	169	19.0		8.1		29.8		98.6		7.7		1.5		3					
					Middle	6.4	0.3	158	18.7	18.7	8.0	8.0	30.5	30.5	93.9	93.9	7.3	7.3	0.8	7.3	4				7.3	4
						6.4	0.3	162	18.7		8.0		30.5		93.8		7.3		0.8		4					
					Bottom	11.8	0.2	195	18.6	18.6	8.0	8.0	30.7	30.7	93.5	93.6	7.3	7.3	0.9	7.3	6				7.3	6
						11.8	0.2	202	18.6		8.0		30.7		93.6		7.3		0.9		6					
C3	Misty	Calm	07:54	11.0	Surface	1.0	0.1	23	18.1	18.1	8.1	8.1	31.5	31.5	91.8	91.8	7.2	7.2	1.0	1.2	3	4	822132	817816		
						1.0	0.1	25	18.1		8.1		31.5		91.7		7.2		1.1		3					
					Middle	5.5	0.1	12	18.1	18.1	8.1	8.1	31.5	31.5	91.6	91.6	7.2	7.2	1.1	7.2	4				7.2	4
						5.5	0.1	6	18.1		8.1		31.5		91.6		7.2		1.1		3					
					Bottom	10.0	0.0	24	18.1	18.1	8.1	8.1	31.5	31.5	91.9	92.0	7.2	7.2	1.4	7.2	5				7.2	5
						10.0	0.0	24	18.1		8.1		31.4		92.1		7.2		1.4		5					
IM1	Cloudy	Moderate	07:15	6.3	Surface	1.0	0.1	195	18.5	18.5	8.1	8.1	32.2	32.2	98.1	98.0	7.6	7.6	4.3	7.6	4	3	818355	806453		
						1.0	0.1	191	18.5		8.1		32.2		97.9		7.6		4.7		3					
					Middle	3.2	0.1	194	18.5	18.5	8.1	8.0	32.2	32.2	97.5	97.5	7.5	7.5	7.9	7.5	7.5				7.5	4
						3.2	0.1	194	18.5		8.0		32.2		97.4		7.5		7.9		3					
					Bottom	5.3	0.1	213	18.5	18.5	8.0	8.0	32.2	32.2	97.4	97.4	7.5	7.5	10.7	7.5	10.7				7.5	3
						5.3	0.1	217	18.5		8.0		32.2		97.4		7.5		10.3		3					
IM2	Cloudy	Moderate	07:21	7.0	Surface	1.0	0.1	208	18.6	18.6	8.0	8.0	32.1	32.1	97.8	97.8	7.6	7.6	3.6	7.6	3	3	819163	806229		
						1.0	0.1	209	18.6		8.0		32.2		97.7		7.6		3.6		2					
					Middle	3.5	0.1	219	18.5	18.5	8.0	8.0	32.2	32.2	97.4	97.4	7.5	7.5	4.0	7.5	4.0				7.5	2
						3.5	0.1	217	18.5		8.0		32.2		97.4		7.5		4.2		3					
					Bottom	6.0	0.1	217	18.5	18.5	8.0	8.0	32.2	32.2	98.0	98.1	7.6	7.6	6.6	7.6	6.6				7.6	4
						6.0	0.1	218	18.5		8.0		32.2		98.2		7.6		6.2		4					
IM7	Cloudy	Moderate	07:43	8.1	Surface	1.0	0.1	224	18.4	18.4	8.0	8.0	31.3	31.4	94.5	94.4	7.4	7.4	1.6	7.4	3	4	821329	806848		
						1.0	0.1	228	18.4		8.0		31.4		94.3		7.3		1.7		4					
					Middle	4.1	0.1	198	18.4	18.4	8.0	8.0	31.8	31.8	94.1	94.1	7.3	7.3	2.5	7.3	2.5				7.3	4
						4.1	0.1	199	18.4		8.0		31.8		94.1		7.3		2.6		4					
					Bottom	7.1	0.1	197	18.4	18.4	8.0	8.0	32.0	32.0	94.2	94.2	7.3	7.3	3.0	7.3	3.0				7.3	5
						7.1	0.1	190	18.4		8.0		32.0		94.2		7.3		3.0		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**

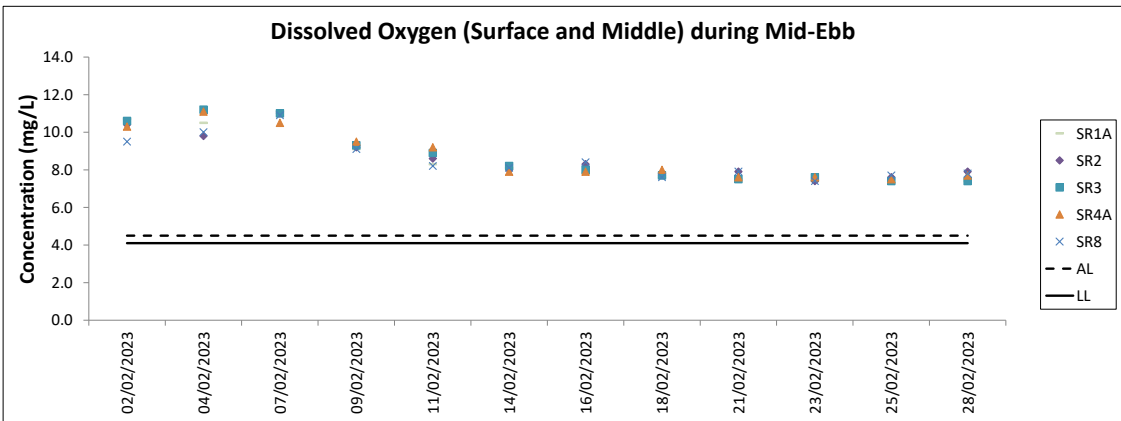
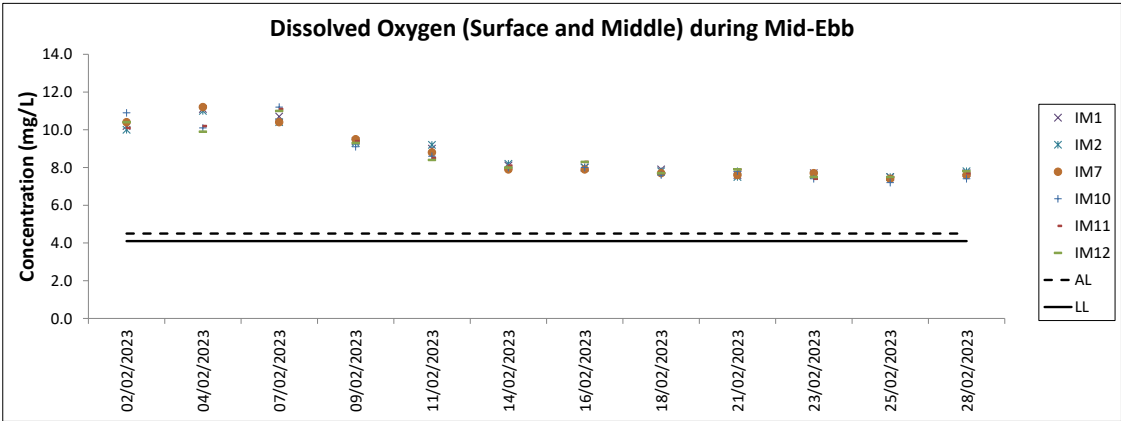
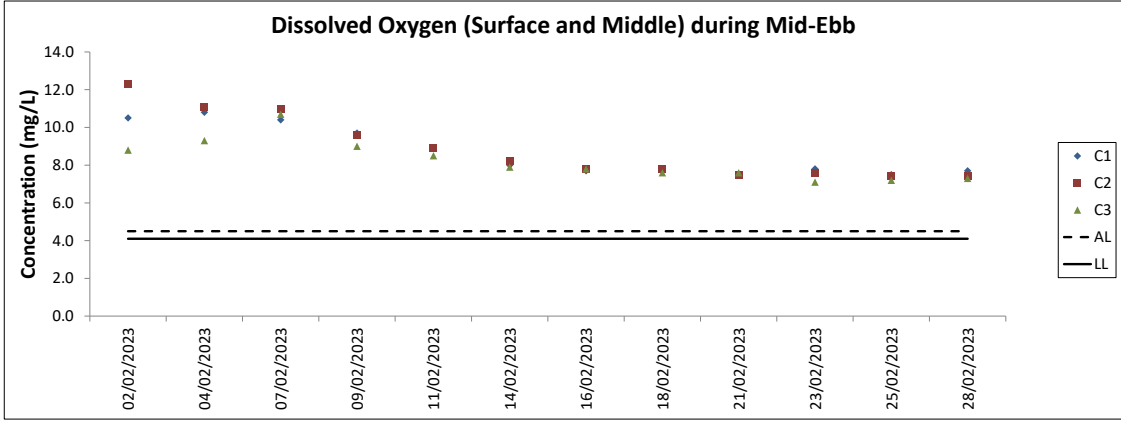
**Water Quality Monitoring**

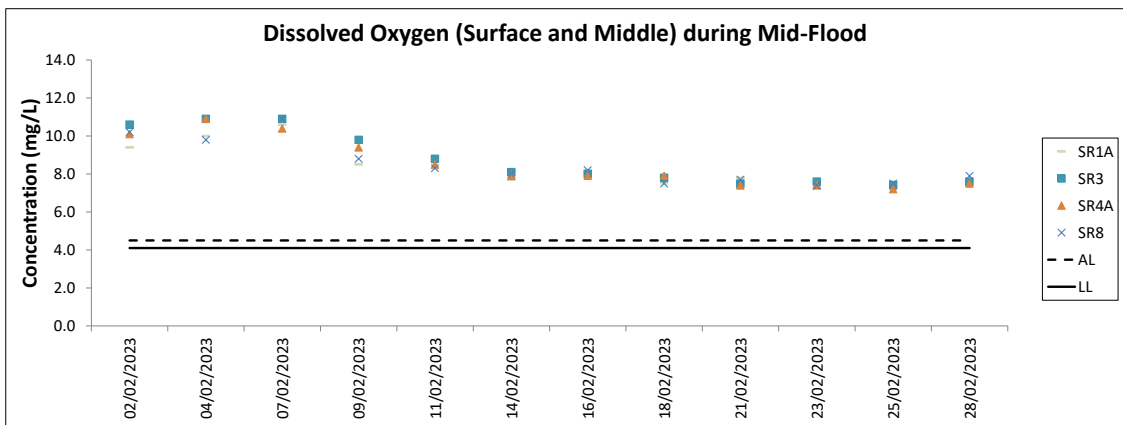
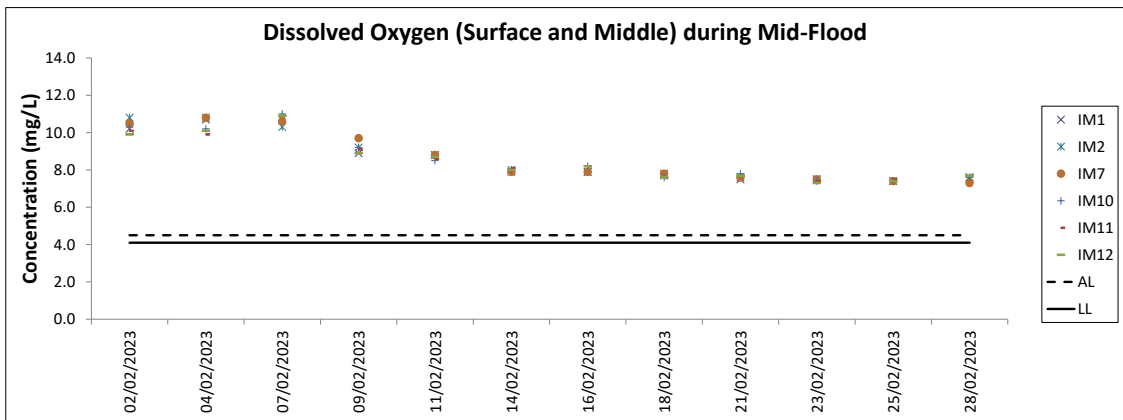
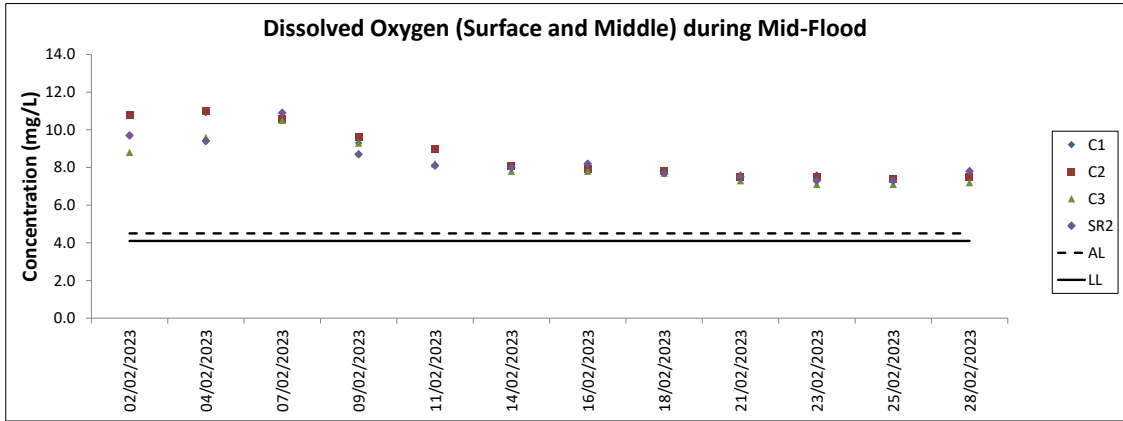
**Water Quality Monitoring Results on 28 February 23 during Mid-Flood Tide**

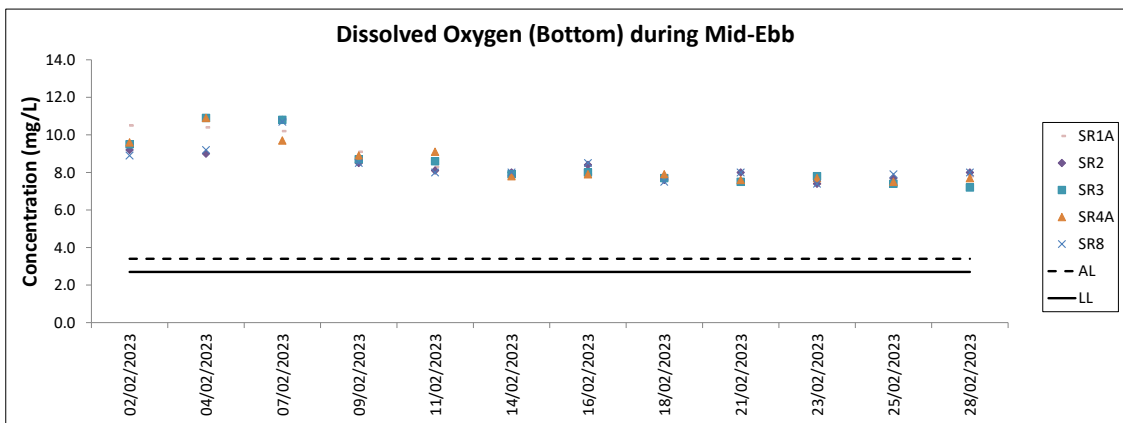
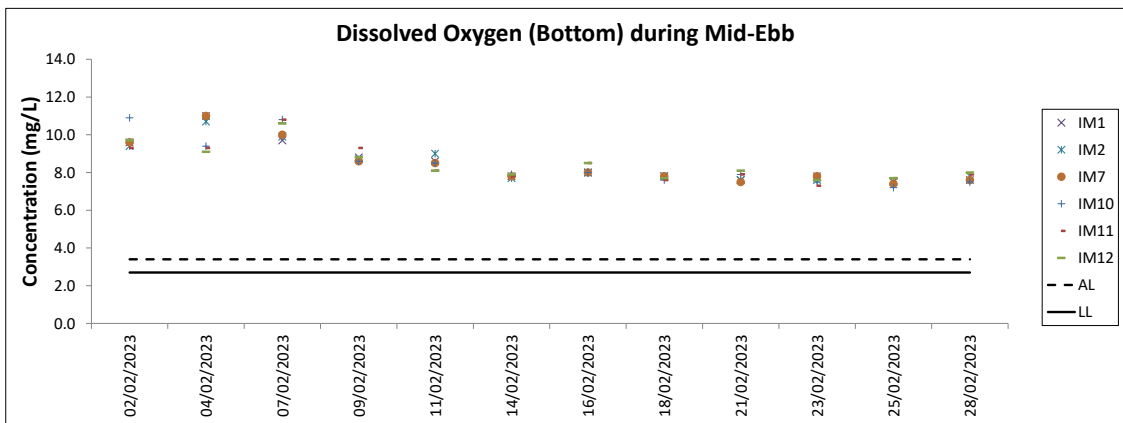
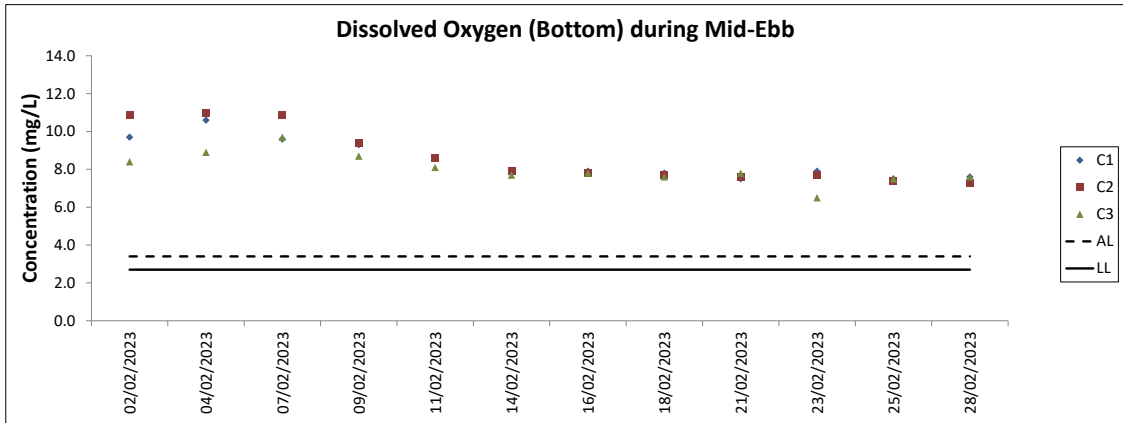
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
IM10	Misty	Calm	08:51	8.0	Surface	1.0	0.0	145	17.9	17.9	8.0	8.0	31.7	31.7	96.1	96.3	7.5	7.6	1.9	2.1	4	4	822231	809828
						1.0	0.0	150	17.9		8.0		31.7		96.4		7.6		1.9		4			
					Middle	4.0	0.0	160	17.9	8.0	8.0	31.7	31.7	97.4	97.5	7.7	7.6		2.0		5			
						4.0	0.1	158	17.9	8.0	31.7	97.5	97.5	7.7	2.1	4								
					Bottom	7.0	0.1	152	17.9	8.0	8.0	31.7	31.7	98.2	98.3	7.7	7.7		2.4		5			
						7.0	0.1	159	17.9	8.0	31.7	98.4	98.3	7.7	2.4	4								
					IM11	Misty	Calm	08:47	9.0	Surface	1.0	0.0	151	18.0	18.0	8.0	8.0		31.7		31.7			
1.0	0.0	148	18.0	8.0							31.7	97.5	7.6	1.8		3								
Middle	4.5	0.0	156	17.9						8.0	8.0	31.7	31.7	98.3	98.4	7.7	7.7	2.0	3					
	4.5	-	157	17.9						8.0	31.7	98.5	98.4	7.7	2.1	3								
Bottom	8.0	0.0	129	17.9						8.1	8.1	31.7	31.7	100.2	100.5	7.9	7.9	2.7	3					
	8.0	0.0	134	17.9						8.1	8.1	31.7	31.7	100.7	100.5	7.9	7.9	2.7	2					
IM12	Misty	Calm	08:42	8.4						Surface	1.0	0.0	92	17.9	17.9	8.1	8.1	31.7	31.7	97.3	97.5	7.6	7.7	1.7
					1.0	0.1	95	17.9	8.1		31.7	97.6	7.7	1.7		3								
					Middle	4.2	0.1	108	17.8	8.1	8.1	31.7	31.7	98.4	98.6	7.7	7.7	1.8	3					
						4.2	0.1	108	17.8	8.1	31.7	98.7	98.6	7.8	1.7	3								
					Bottom	7.4	0.1	79	17.8	8.1	8.1	31.7	31.7	99.5	99.7	7.8	7.8	1.9	4					
						7.4	0.1	75	17.8	8.1	8.1	31.7	31.7	99.8	99.7	7.8	7.8	1.9	4					
					SR1A	Misty	Calm	08:23	5.6	Surface	1.0	0.0	209	17.8	17.8	8.0	8.0	31.5	31.5	98.2	98.4	7.7		7.7
1.0	0.1	205	17.8	8.0							31.5	98.5	7.7	3.2		2								
Middle	2.8	-	209	-						-	-	-	-	-	-	-	-	-	-					
	2.8	0.0	204	-						-	-	-	-	-	-	-	-	-						
Bottom	4.6	-	198	17.8						8.0	8.0	31.5	31.5	100.5	100.6	7.9	7.9	4.6	3					
	4.6	0.0	196	17.8						8.0	8.0	31.5	31.5	100.6	100.6	7.9	7.9	4.5	3					
SR2	Misty	Calm	08:12	4.6						Surface	1.0	0.1	52	18.0	18.0	8.1	8.1	31.8	31.8	99.0	99.2	7.8	7.8	
					1.0	0.1	46	18.0	8.1		31.8	99.3	99.2	7.8		1.4		3						
					Middle	-	0.1	23	-	-	-	-	-	-	-	-	-	-						
						-	0.1	25	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.6	0.0	61	17.9	8.1	8.1	31.7	31.7	101.0	101.6	7.9	8.0	2.0	3					
						3.6	0.0	55	18.0	8.1	8.1	31.7	31.7	102.1	101.6	8.0	8.0	2.0	3					
					SR3	Cloudy	Moderate	07:50	8.4	Surface	1.0	0.1	176	18.8	18.8	8.1	8.1	30.3	30.4	97.5	97.5	7.6		7.6
1.0	0.2	178	18.7	8.1							30.4	97.4	7.6	3.5		3								
Middle	4.2	0.1	179	18.4						8.1	8.1	31.1	31.1	95.9	95.9	7.5	7.5	1.0	4					
	4.2	0.1	181	18.4						8.1	31.1	31.1	95.8	95.9	7.5	7.5	1.0	3						
Bottom	7.4	0.1	149	18.3						8.1	8.1	31.1	31.1	95.8	95.8	7.5	7.5	1.1	3					
	7.4	0.1	152	18.3						8.1	8.1	31.1	31.1	95.8	95.8	7.5	7.5	1.1	3					
SR4A	Cloudy	Moderate	06:33	9.4						Surface	1.0	0.0	307	18.4	18.4	8.1	8.1	32.0	32.0	97.0	97.0	7.5	7.5	
					1.0	0.0	312	18.4	8.1		32.0	97.0	7.5	2.4		2								
					Middle	4.7	0.0	286	18.3	8.1	8.1	32.1	32.1	96.2	96.2	7.5	7.5	3.8	4					
						4.7	0.0	282	18.3	8.1	32.1	32.1	96.1	96.2	7.5	7.5	3.8	4						
					Bottom	8.4	0.0	282	18.3	8.0	8.0	32.2	32.2	95.8	95.9	7.4	7.4	4.5	5					
						8.4	0.0	284	18.3	8.0	8.0	32.2	32.2	95.9	95.9	7.4	7.4	4.4	4					
					SR8	Misty	Calm	08:38	4.8	Surface	1.0	-	-	17.6	17.6	8.1	8.1	32.0	32.0	99.6	99.8	7.8		7.9
1.0	-	-	17.6	8.1							32.0	99.9	7.9	1.2		3								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-						
	-	-	-	-						-	-	-	-	-	-	-	-	-						
Bottom	3.8	-	-	17.4						8.1	8.1	32.1	32.1	101.4	101.6	8.0	8.1	1.3	4					
	3.8	-	-	17.4						8.1	8.1	32.2	32.1	101.8	101.6	8.1	8.1	1.3	3					

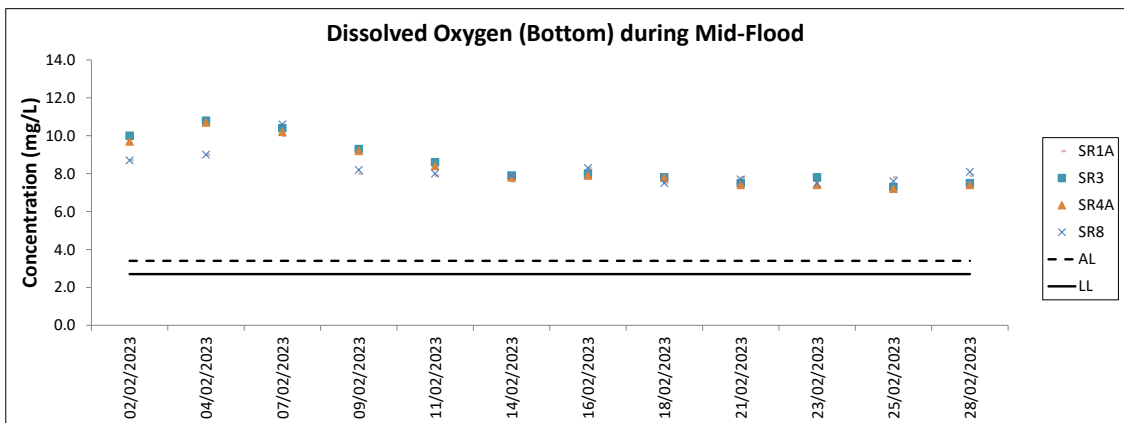
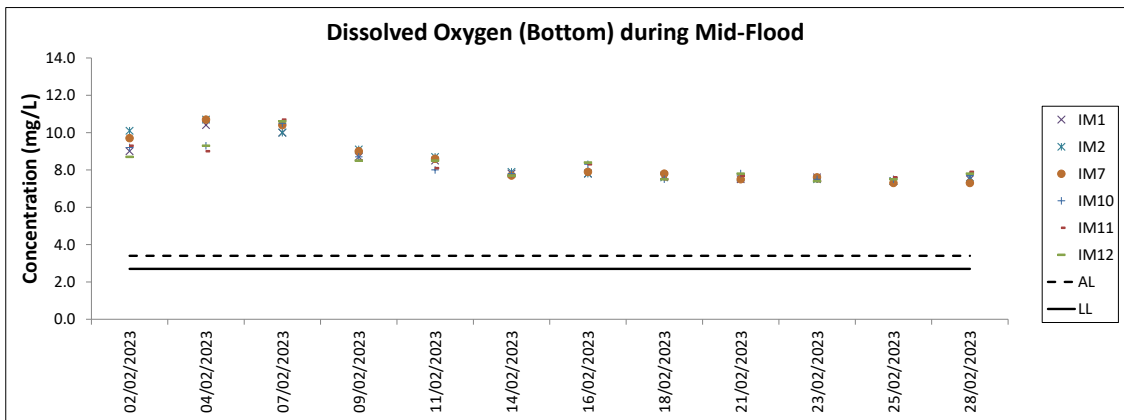
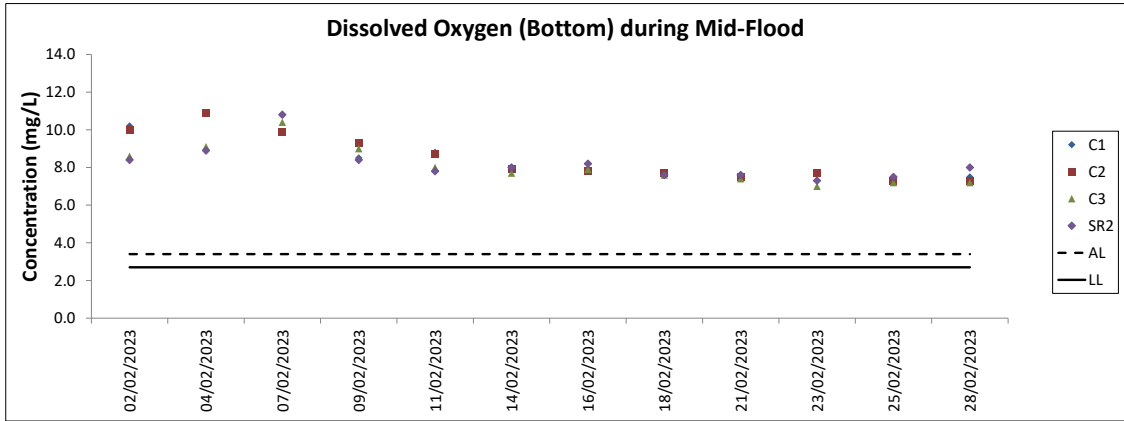
DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
 Value exceeding Action Level is underlined; Value exceeding Limit Level is **bolded and underlined**

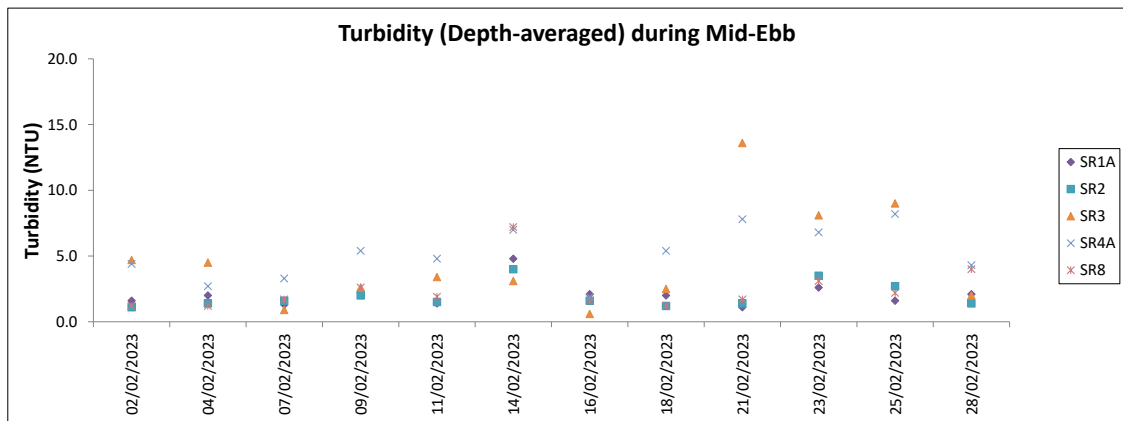
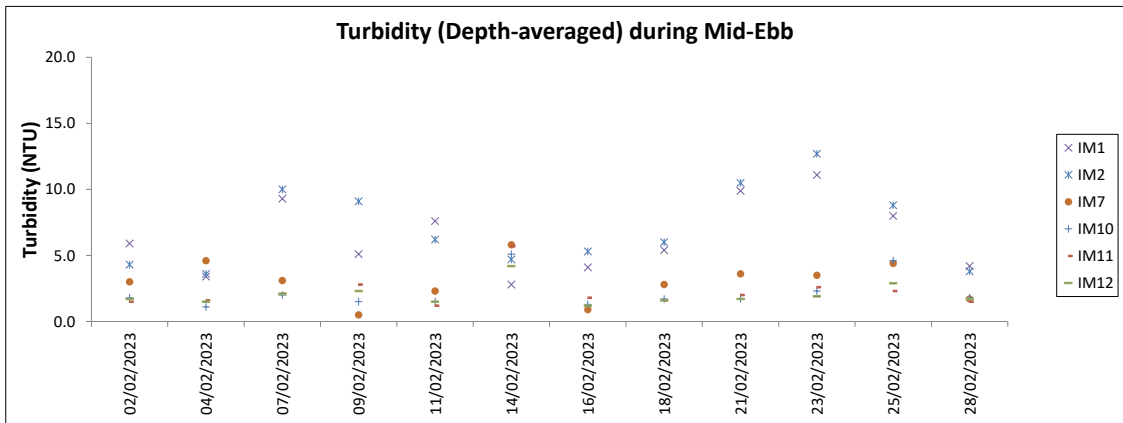
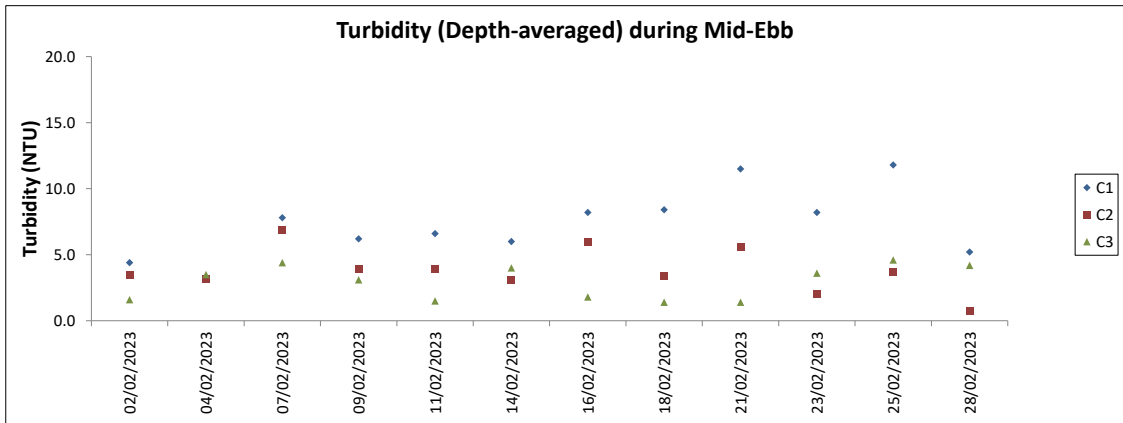




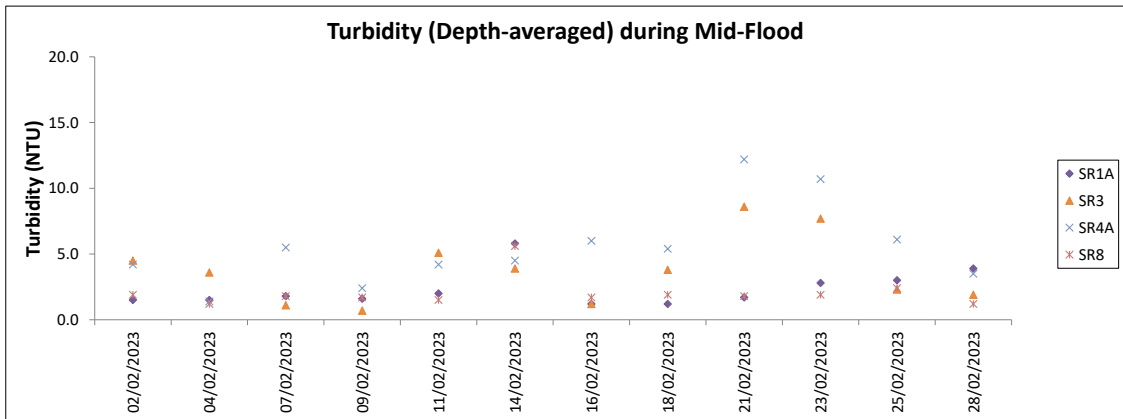
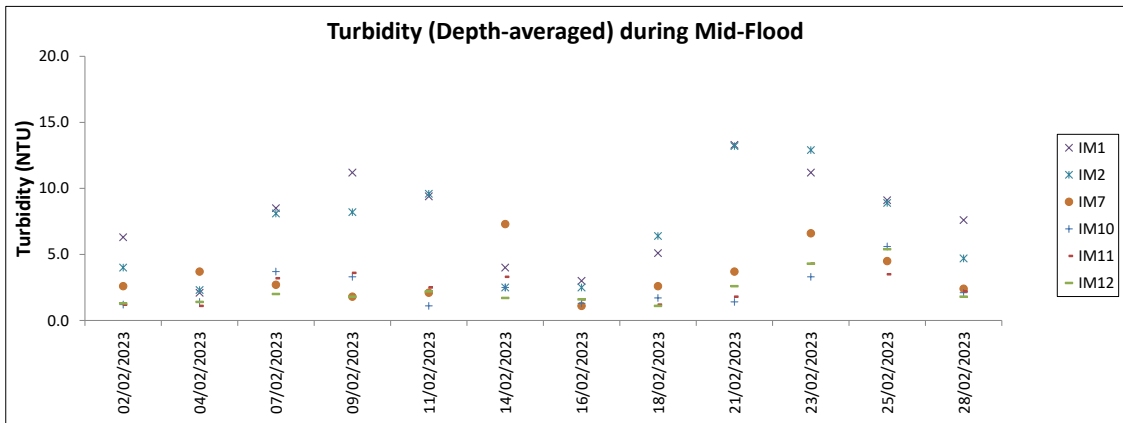
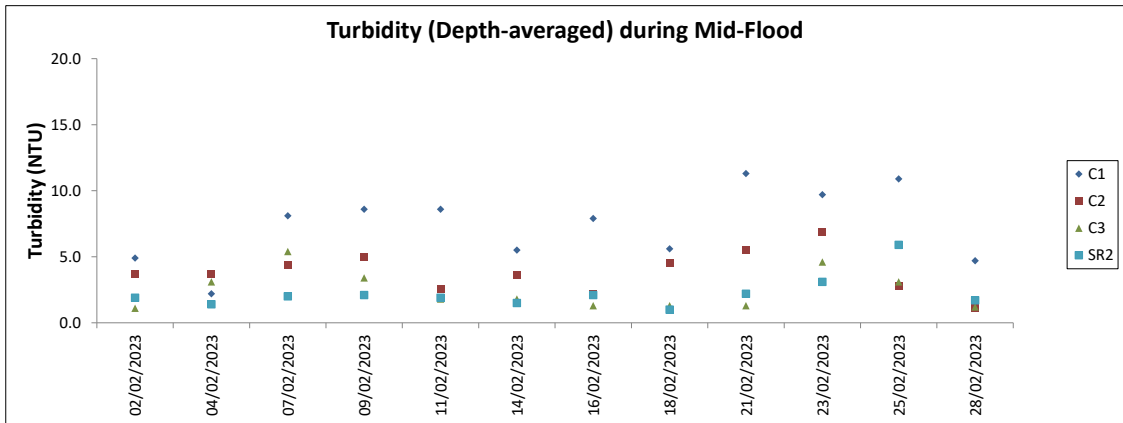




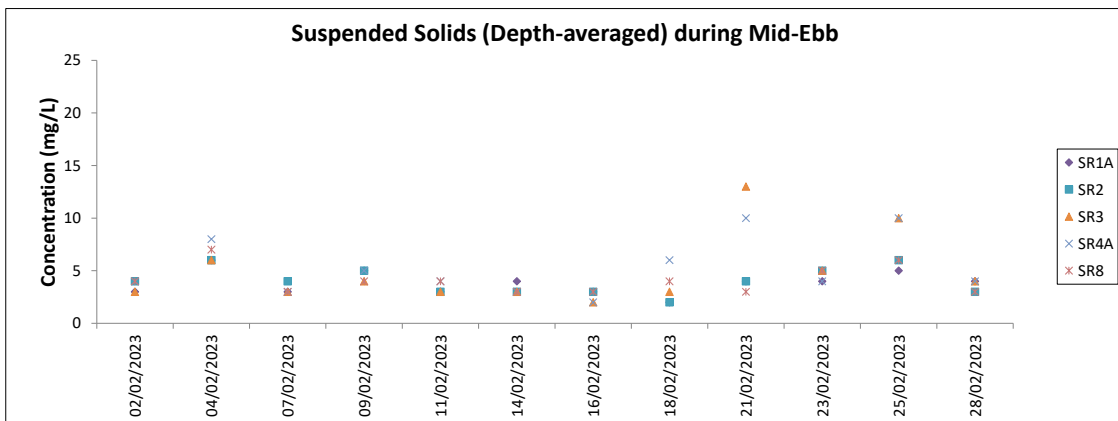
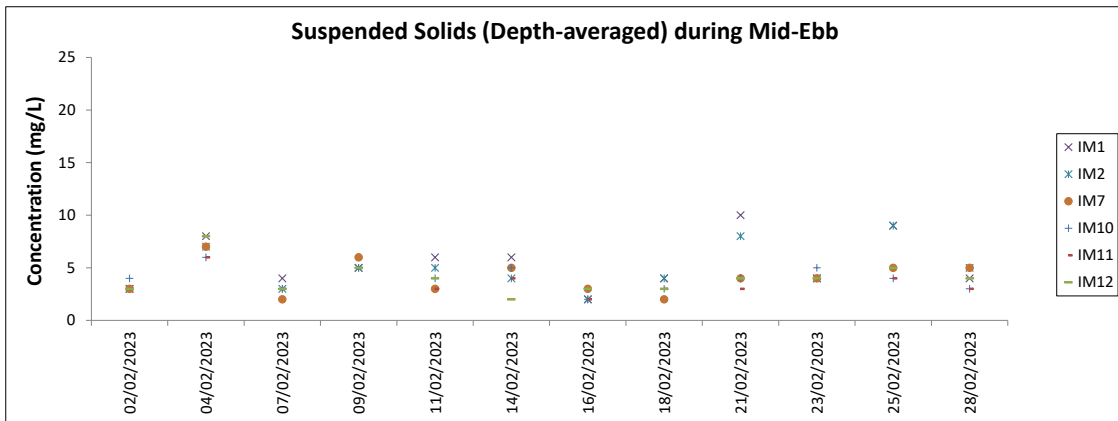
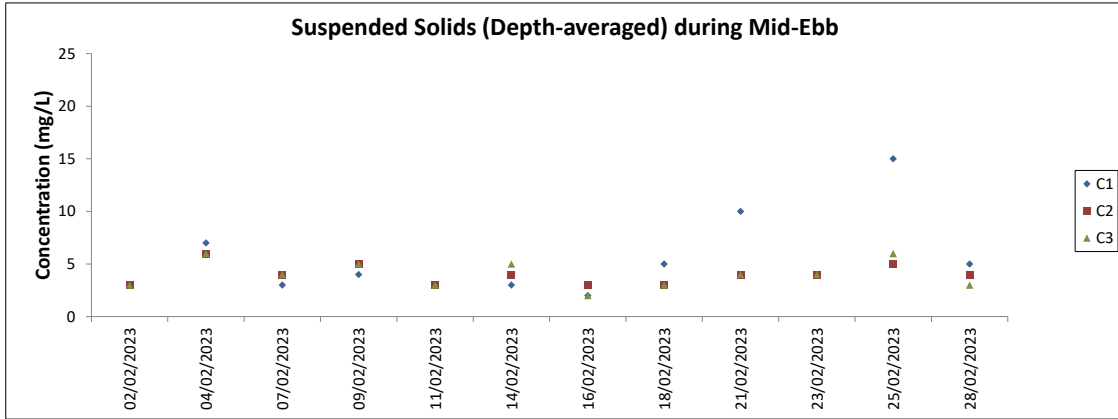




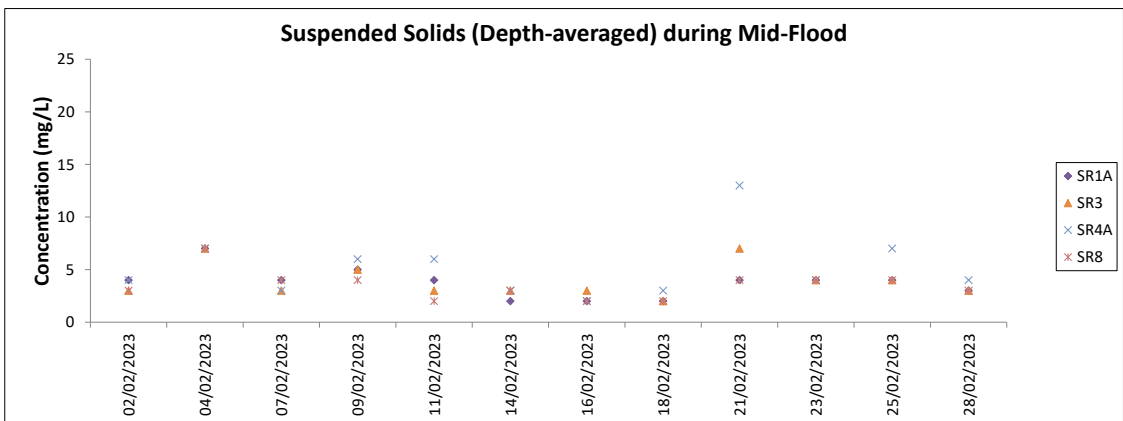
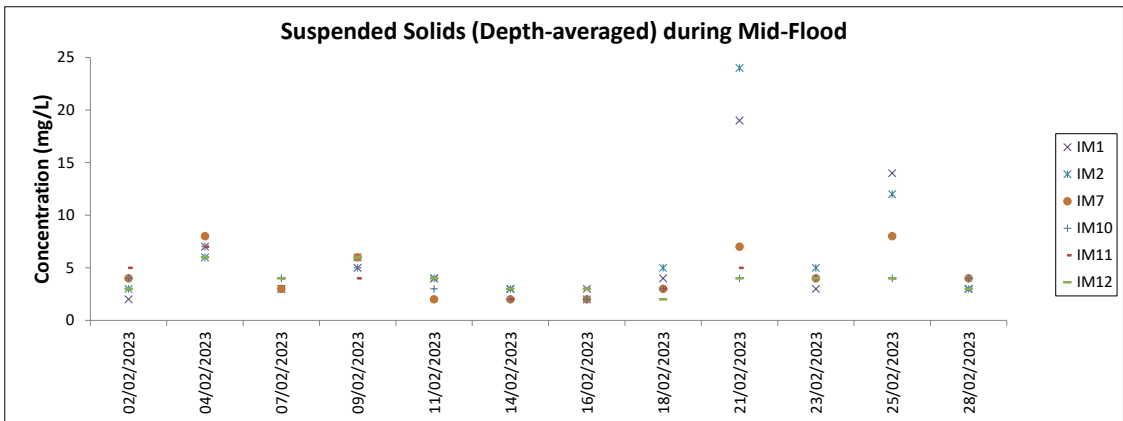
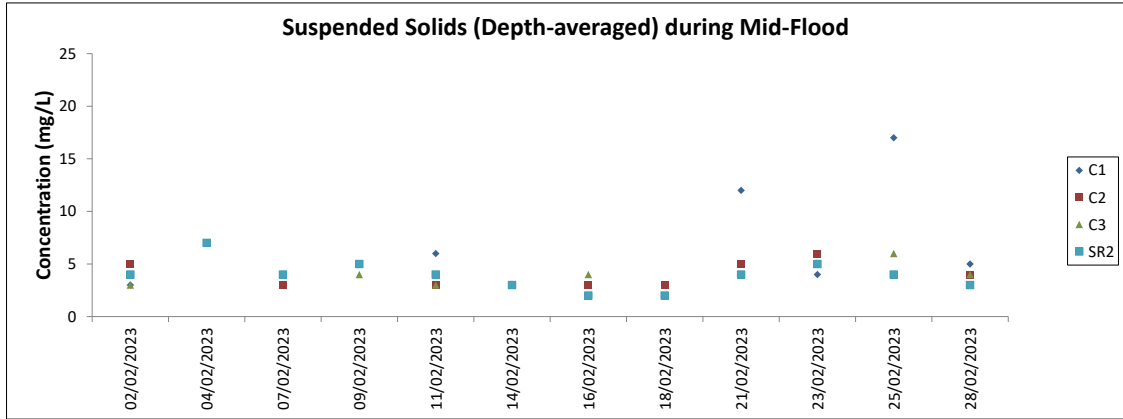
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
16-Dec-22	NEL	2	32.000	WINTER	32166	3RS ET	P
16-Dec-22	NEL	3	5.130	WINTER	32166	3RS ET	P
16-Dec-22	NEL	2	10.070	WINTER	32166	3RS ET	S
19-Dec-22	NEL	2	21.500	WINTER	32166	3RS ET	P
19-Dec-22	NEL	3	16.020	WINTER	32166	3RS ET	P
19-Dec-22	NEL	2	5.070	WINTER	32166	3RS ET	S
19-Dec-22	NEL	3	5.110	WINTER	32166	3RS ET	S
20-Dec-22	NWL	2	5.240	WINTER	32166	3RS ET	P
20-Dec-22	NWL	3	57.300	WINTER	32166	3RS ET	P
20-Dec-22	NWL	2	1.100	WINTER	32166	3RS ET	S
20-Dec-22	NWL	3	10.600	WINTER	32166	3RS ET	S
21-Dec-22	AW	3	5.010	WINTER	32166	3RS ET	P
21-Dec-22	WL	3	8.326	WINTER	32166	3RS ET	P
21-Dec-22	WL	4	9.037	WINTER	32166	3RS ET	P
21-Dec-22	WL	5	1.900	WINTER	32166	3RS ET	P
21-Dec-22	WL	3	3.640	WINTER	32166	3RS ET	S
21-Dec-22	WL	4	7.527	WINTER	32166	3RS ET	S
22-Dec-22	SWL	3	52.578	WINTER	32166	3RS ET	P
22-Dec-22	SWL	4	1.400	WINTER	32166	3RS ET	P
22-Dec-22	SWL	2	0.850	WINTER	32166	3RS ET	S
22-Dec-22	SWL	3	14.360	WINTER	32166	3RS ET	S
22-Dec-22	SWL	4	1.200	WINTER	32166	3RS ET	S
28-Dec-22	SWL	2	30.360	WINTER	32166	3RS ET	P
28-Dec-22	SWL	3	22.450	WINTER	32166	3RS ET	P
28-Dec-22	SWL	2	12.320	WINTER	32166	3RS ET	S
28-Dec-22	SWL	3	2.700	WINTER	32166	3RS ET	S
29-Dec-22	AW	3	4.860	WINTER	32166	3RS ET	P
29-Dec-22	WL	3	14.870	WINTER	32166	3RS ET	P
29-Dec-22	WL	4	5.880	WINTER	32166	3RS ET	P
29-Dec-22	WL	3	9.380	WINTER	32166	3RS ET	S
29-Dec-22	WL	4	0.870	WINTER	32166	3RS ET	S
30-Dec-22	NWL	3	49.500	WINTER	32166	3RS ET	P
30-Dec-22	NWL	4	14.100	WINTER	32166	3RS ET	P
30-Dec-22	NWL	3	8.500	WINTER	32166	3RS ET	S
30-Dec-22	NWL	4	3.200	WINTER	32166	3RS ET	S
06-Jan-23	NWL	2	27.910	WINTER	32166	3RS ET	P
06-Jan-23	NWL	3	34.020	WINTER	32166	3RS ET	P
06-Jan-23	NWL	2	5.290	WINTER	32166	3RS ET	S
06-Jan-23	NWL	3	6.780	WINTER	32166	3RS ET	S
09-Jan-23	NWL	2	22.370	WINTER	32166	3RS ET	P
09-Jan-23	NWL	3	39.710	WINTER	32166	3RS ET	P
09-Jan-23	NWL	2	3.350	WINTER	32166	3RS ET	S
09-Jan-23	NWL	3	8.820	WINTER	32166	3RS ET	S
10-Jan-23	SWL	2	56.930	WINTER	32166	3RS ET	P
10-Jan-23	SWL	2	13.570	WINTER	32166	3RS ET	S
12-Jan-23	AW	2	2.890	WINTER	32166	3RS ET	P
12-Jan-23	AW	3	1.690	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Jan-23	WL	2	17.170	WINTER	32166	3RS ET	P
12-Jan-23	WL	3	2.500	WINTER	32166	3RS ET	P
12-Jan-23	WL	2	9.830	WINTER	32166	3RS ET	S
12-Jan-23	WL	3	1.100	WINTER	32166	3RS ET	S
13-Jan-23	SWL	1	3.380	WINTER	32166	3RS ET	P
13-Jan-23	SWL	2	50.173	WINTER	32166	3RS ET	P
13-Jan-23	SWL	1	2.050	WINTER	32166	3RS ET	S
13-Jan-23	SWL	2	16.697	WINTER	32166	3RS ET	S
16-Jan-23	NEL	2	8.200	WINTER	32166	3RS ET	P
16-Jan-23	NEL	3	28.750	WINTER	32166	3RS ET	P
16-Jan-23	NEL	2	4.200	WINTER	32166	3RS ET	S
16-Jan-23	NEL	3	6.150	WINTER	32166	3RS ET	S
17-Jan-23	NEL	2	28.590	WINTER	32166	3RS ET	P
17-Jan-23	NEL	3	8.380	WINTER	32166	3RS ET	P
17-Jan-23	NEL	2	10.130	WINTER	32166	3RS ET	S
18-Jan-23	WL	3	15.140	WINTER	32166	3RS ET	P
18-Jan-23	WL	4	5.200	WINTER	32166	3RS ET	P
18-Jan-23	WL	3	7.360	WINTER	32166	3RS ET	S
18-Jan-23	WL	4	3.200	WINTER	32166	3RS ET	S
18-Jan-23	AW	2	4.760	WINTER	32166	3RS ET	P
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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
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

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
20-Dec-22	1	0949	CWD	2	NWL	2	31	ON	3RS ET	22.3730	113.8705	WINTER	NONE	P
21-Dec-22	1	1136	CWD	2	WL	4	405	ON	3RS ET	22.2053	113.8389	WINTER	NONE	P
21-Dec-22	2	1205	CWD	7	WL	4	53	ON	3RS ET	22.1961	113.8409	WINTER	NONE	P
21-Dec-22	3	1218	CWD	1	WL	3	45	ON	3RS ET	22.1873	113.8408	WINTER	NONE	P
22-Dec-22	1	1038	FP	2	SWL	3	34	ON	3RS ET	22.1817	113.9362	WINTER	NONE	P
22-Dec-22	2	1042	FP	1	SWL	3	307	ON	3RS ET	22.1775	113.9358	WINTER	NONE	P
22-Dec-22	3	1116	FP	2	SWL	3	68	ON	3RS ET	22.1798	113.9280	WINTER	NONE	P
22-Dec-22	4	1152	FP	1	SWL	3	75	ON	3RS ET	22.1596	113.9180	WINTER	NONE	P
22-Dec-22	5	1231	FP	1	SWL	3	361	ON	3RS ET	22.1901	113.9062	WINTER	NONE	S
28-Dec-22	1	1314	CWD	3	SWL	2	707	ON	3RS ET	22.1687	113.8874	WINTER	GILLNETTER	P
28-Dec-22	2	1355	CWD	5	SWL	2	235	ON	3RS ET	22.1818	113.8788	WINTER	GILLNETTER	P
28-Dec-22	3	1501	CWD	2	SWL	3	137	ON	3RS ET	22.1716	113.8534	WINTER	NONE	S
29-Dec-22	1	1051	CWD	6	WL	3	11	ON	3RS ET	22.2417	113.8427	WINTER	NONE	P
06-Jan-23	1	1048	CWD	5	NWL	3	98	ON	3RS ET	22.2845	113.8776	WINTER	NONE	P
06-Jan-23	2	1303	CWD	3	NWL	3	399	ON	3RS ET	22.3944	113.8973	WINTER	PAIR TRAWLER	P
09-Jan-23	1	1013	CWD	2	NWL	2	51	ON	3RS ET	22.3058	113.8700	WINTER	NONE	P
09-Jan-23	2	1056	CWD	2	NWL	2	19	ON	3RS ET	22.2958	113.8777	WINTER	NONE	P
09-Jan-23	3	1144	CWD	4	NWL	3	351	ON	3RS ET	22.3661	113.8778	WINTER	NONE	P
13-Jan-23	1	1106	FP	2	SWL	2	7	ON	3RS ET	22.1527	113.9276	WINTER	NONE	P
13-Jan-23	2	1220	FP	1	SWL	2	64	ON	3RS ET	22.1579	113.8989	WINTER	NONE	S
13-Jan-23	3	1228	CWD	1	SWL	2	57	ON	3RS ET	22.1703	113.9076	WINTER	NONE	P
13-Jan-23	4	1327	FP	2	SWL	2	60	ON	3RS ET	22.1494	113.8887	WINTER	NONE	S
13-Jan-23	5	1516	CWD	2	SWL	2	56	ON	3RS ET	22.1940	113.8498	WINTER	NONE	P
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

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
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

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 434.909 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 20 on-effort sightings and total number of 72 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in February 2023 are shown as below:

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

$$STG = \frac{20}{434.909} \times 100 = 4.60$$

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

$$ANI = \frac{72}{434.909} \times 100 = 16.56$$

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

A total of 1291.643 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 33 on-effort sightings and total number of 110 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)









$$STG = \frac{33}{1291.643} \times 100 = 2.55$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{110}{1291.643} \times 100 = 8.52$$

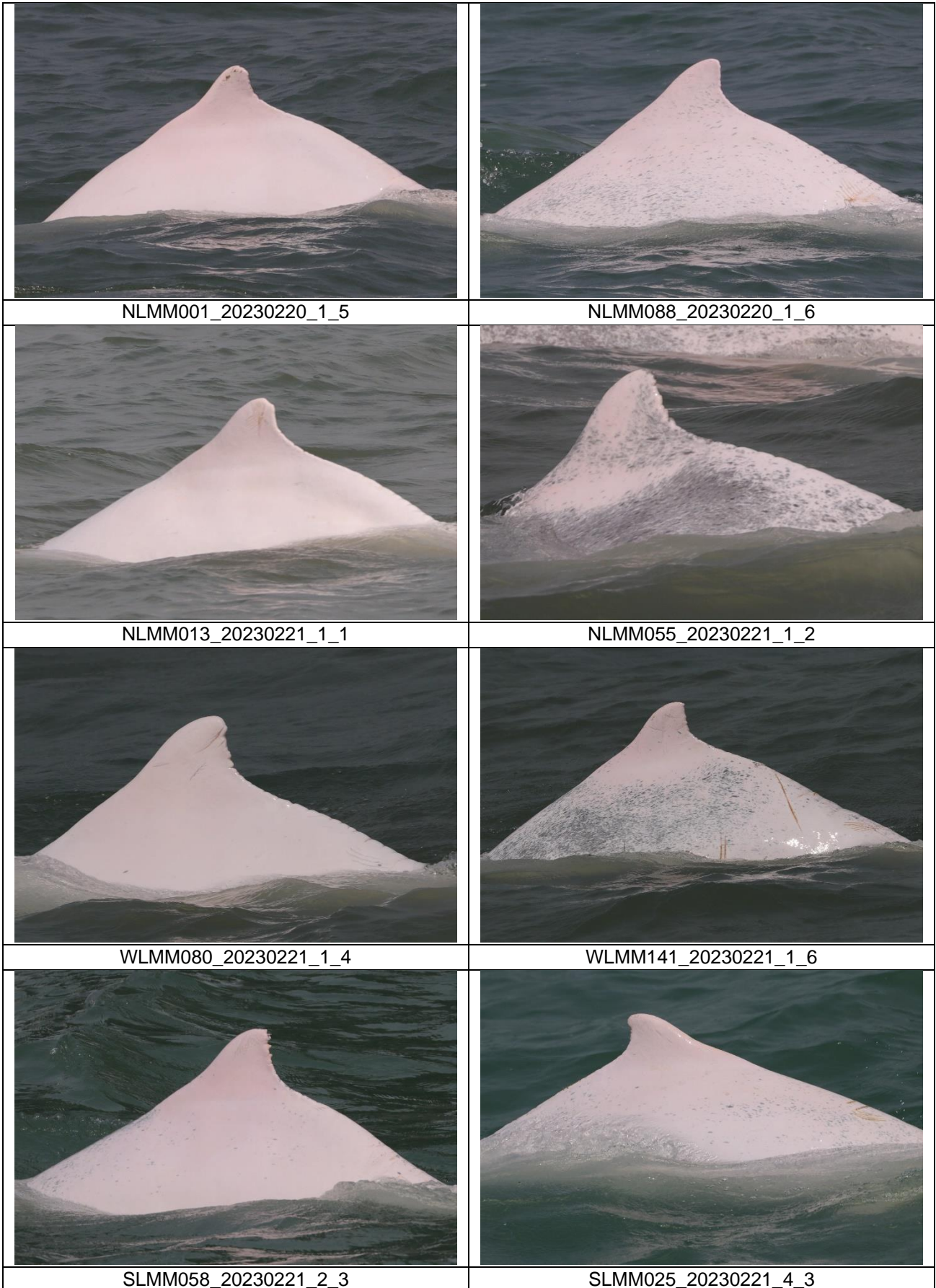
CWD Small Vessel Line-transect Survey









Photo Identification









	
NLMM020_20230216_1_1	NLMM040_20230216_1_1
	
NLMM041_20230216_1_2	NLMM060_20230216_1_3
	
SLMM030_20230216_1_1	SLMM071_20230216_1_4
	
WLMM028_20230216_1_3	WLMM063_20230216_1_11











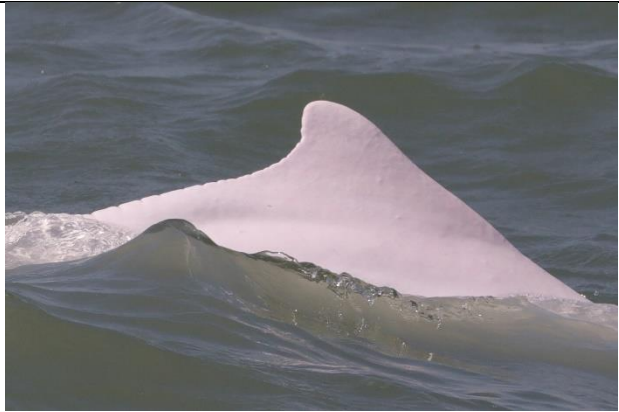
	
NLMM009_20230216_2_6	NLMM052_20230216_2_14
	
NLMM009_20230216_3_4	NLMM015_20230216_3_9
	
NLMM016_20230216_3_6	NLMM052_20230216_3_5
	
NLMM065_20230216_3_3	NLMM027_20230216_4_1



	
SLMM044_20230221_4_8	SLMM031_20230221_5_2
	
NLMM027_20230222_1_5	WLMM135_20230222_2_1
	
SLMM058_20230222_3_18	SLMM074_20230222_3_4
	
WLMM029_20230222_3_4	WLMM070_20230222_4_9

	
SLMM007_20230222_6_4	SLMM073_20230222_6_2
	
WLMM007_20230222_6_5	WLMM114_20230222_6_4
	
SLMM002_20230222_7_3	SLMM003_20230222_7_4
	
WLMM056_20230222_7_10	WLMM065_20230222_7_2

	
WLMM079_20230222_7_1	WLMM147_20230222_7_2
	
SLMM035_20230222_8_1	NLMM078_20230222_9_5
	
SLMM010_20230222_9_1	SLMM014_20230222_10_1
	
SLMM031_20230222_10_2	SLMM035_20230222_10_5

	
<p>SLMM037_20230222_10_1</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>
15/Feb/23	Sha Chau	10:37	16:37	6:00	2-3	3	0	NA
23/Feb/23	Lung Kwu Chau	8:55	14:55	6:00	2	2	0	NA

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