

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

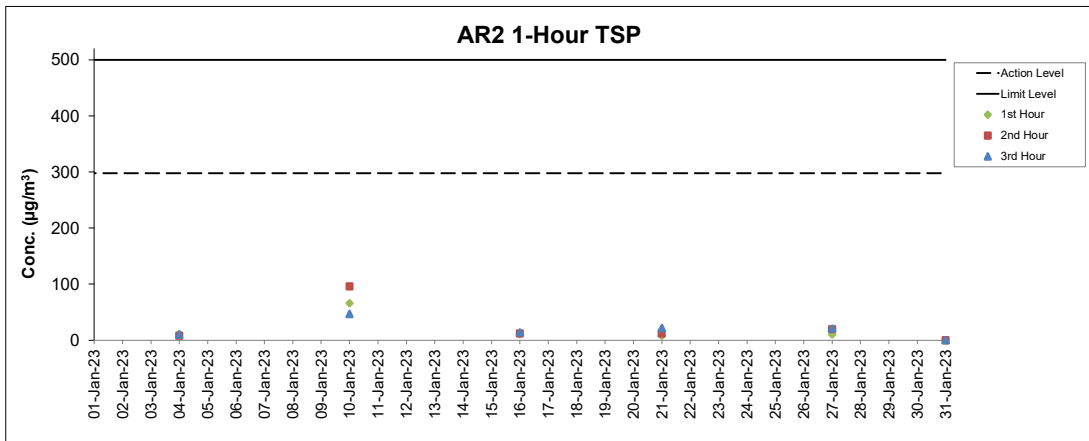
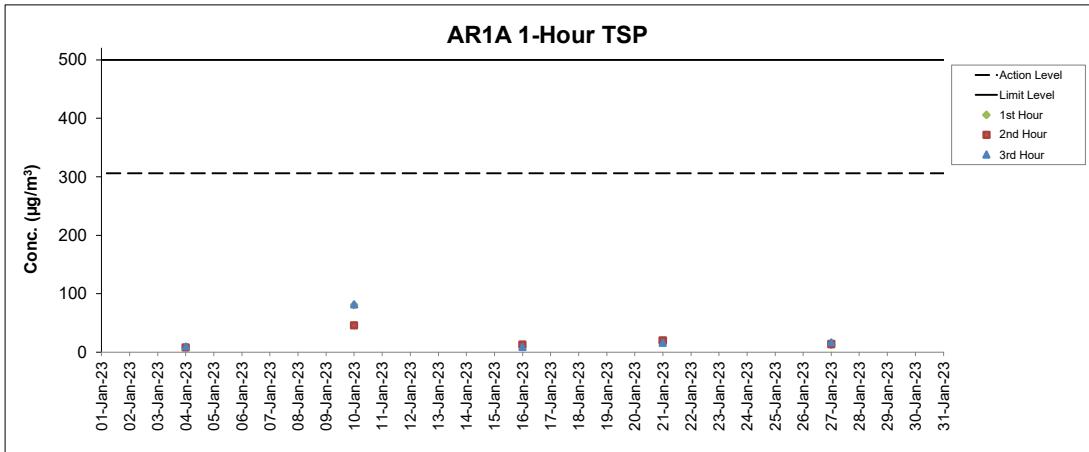
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
4-Jan-23	8:35	Cloudy	2.8	49	9	306	500
4-Jan-23	9:35	Cloudy	2.2	44	8	306	500
4-Jan-23	10:35	Cloudy	3.3	54	10	306	500
10-Jan-23	13:49	Cloudy	1.7	45	81	306	500
10-Jan-23	14:49	Cloudy	1.7	39	46	306	500
10-Jan-23	15:49	Cloudy	3.3	variable	82	306	500
16-Jan-23	8:33	Cloudy	3.3	20	9	306	500
16-Jan-23	9:33	Cloudy	3.9	19	13	306	500
16-Jan-23	10:33	Cloudy	3.6	26	9	306	500
21-Jan-23	13:33	Cloudy	6.4	92	18	306	500
21-Jan-23	14:33	Cloudy	6.1	98	20	306	500
21-Jan-23	15:33	Cloudy	5.8	100	16	306	500
27-Jan-23	14:14	Cloudy	6.7	3	13	306	500
27-Jan-23	15:14	Cloudy	6.7	17	14	306	500
27-Jan-23	16:14	Cloudy	8.3	340	17	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 ( $\mu\text{g}/\text{m}^3$ )
4-Jan-23	12:30	Cloudy	5.3	336	11	298	500
4-Jan-23	13:30	Cloudy	2.8	360	8	298	500
4-Jan-23	14:30	Cloudy	4.4	330	10	298	500
10-Jan-23	9:03	Cloudy	2.8	55	66	298	500
10-Jan-23	10:03	Cloudy	2.5	349	96	298	500
10-Jan-23	11:03	Cloudy	2.2	35	47	298	500
16-Jan-23	12:28	Cloudy	3.3	31	11	298	500
16-Jan-23	13:28	Cloudy	4.2	358	12	298	500
16-Jan-23	14:28	Cloudy	4.7	338	14	298	500
21-Jan-23	8:43	Cloudy	5.0	99	8	298	500
21-Jan-23	9:43	Cloudy	4.7	91	12	298	500
21-Jan-23	10:43	Cloudy	6.4	94	22	298	500
27-Jan-23	10:27	Cloudy	3.9	356	10	298	500
27-Jan-23	11:27	Cloudy	6.4	354	20	298	500
27-Jan-23	12:27	Cloudy	5.8	9	21	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)	
4-Jan-23	Cloudy	9:39	63.8	58.9	64
4-Jan-23	Cloudy	9:44	62.2	57.8	
4-Jan-23	Cloudy	9:49	62.0	58.1	
4-Jan-23	Cloudy	9:54	61.6	57.4	
4-Jan-23	Cloudy	9:59	62.4	58.4	
4-Jan-23	Cloudy	10:04	63.1	58.6	
10-Jan-23	Cloudy	13:42	59.5	51.5	61
10-Jan-23	Cloudy	13:47	56.4	52.1	
10-Jan-23	Cloudy	13:52	59.2	52.6	
10-Jan-23	Cloudy	13:57	61.0	50.5	
10-Jan-23	Cloudy	14:02	59.6	52.1	
10-Jan-23	Cloudy	14:07	60.5	57.2	
16-Jan-23	Cloudy	9:38	63.4	59.2	64
16-Jan-23	Cloudy	9:43	63.2	59.2	
16-Jan-23	Cloudy	9:48	62.3	58.8	
16-Jan-23	Cloudy	9:53	63.5	59.6	
16-Jan-23	Cloudy	9:58	62.7	59.1	
16-Jan-23	Cloudy	10:03	63.0	59.1	
27-Jan-23	Cloudy	13:37	55.6	51.4	57
27-Jan-23	Cloudy	13:42	56.4	51.8	
27-Jan-23	Cloudy	13:47	57.7	51.8	
27-Jan-23	Cloudy	13:52	54.8	49.8	
27-Jan-23	Cloudy	13:57	55.7	50.4	
27-Jan-23	Cloudy	14:02	57.1	51.8	

Remarks:

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

## Noise Measurement Results

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

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
6-Jan-23	Sunny	13:41	61.1	55.3	62
6-Jan-23	Sunny	13:46	59.5	55.2	
6-Jan-23	Sunny	13:51	61.4	56.3	
6-Jan-23	Sunny	13:56	60.2	55.8	
6-Jan-23	Sunny	14:01	63.0	55.8	
6-Jan-23	Sunny	14:06	60.4	56.9	
12-Jan-23	Cloudy	10:53	63.2	57.5	63
12-Jan-23	Cloudy	10:58	62.5	56.5	
12-Jan-23	Cloudy	11:03	60.7	56.4	
12-Jan-23	Cloudy	11:08	59.9	56.3	
12-Jan-23	Cloudy	11:13	60.1	55.7	
12-Jan-23	Cloudy	11:18	63.2	56.6	
19-Jan-23	Sunny	14:05	63.2	58.7	64
19-Jan-23	Sunny	14:10	64.5	60.1	
19-Jan-23	Sunny	14:15	61.9	57.1	
19-Jan-23	Sunny	14:20	59.3	55.2	
19-Jan-23	Sunny	14:25	64.8	56.7	
19-Jan-23	Sunny	14:30	64.2	57.3	
26-Jan-23	Cloudy	13:17	61.4	56.2	62
26-Jan-23	Cloudy	13:22	61.5	57.0	
26-Jan-23	Cloudy	13:27	62.0	56.8	
26-Jan-23	Cloudy	13:32	60.4	56.9	
26-Jan-23	Cloudy	13:37	61.3	54.9	
26-Jan-23	Cloudy	13:42	60.1	56.1	

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)	
4-Jan-23	Cloudy	12:12	56.5	52.4	58
4-Jan-23	Cloudy	12:17	55.4	51.0	
4-Jan-23	Cloudy	12:22	56.9	50.8	
4-Jan-23	Cloudy	12:27	56.0	51.0	
4-Jan-23	Cloudy	12:32	56.2	51.5	
4-Jan-23	Cloudy	12:37	56.9	51.9	
10-Jan-23	Cloudy	9:49	56.5	50.0	57*
10-Jan-23	Cloudy	9:54	52.5	50.5	
10-Jan-23	Cloudy	9:59	57.2	50.2	
10-Jan-23	Cloudy	10:04	63.1	49.3	
10-Jan-23	Cloudy	10:09	63.6	49.8	
10-Jan-23	Cloudy	10:14	64.3	52.5	
16-Jan-23	Cloudy	13:24	63.1	59.3	64*
16-Jan-23	Cloudy	13:29	63.7	58.8	
16-Jan-23	Cloudy	13:34	64.1	59.4	
16-Jan-23	Cloudy	13:39	63.0	59.7	
16-Jan-23	Cloudy	13:44	63.8	59.4	
16-Jan-23	Cloudy	13:49	62.9	58.9	
27-Jan-23	Cloudy	9:28	57.6	50.8	58
27-Jan-23	Cloudy	9:33	57.1	49.4	
27-Jan-23	Cloudy	9:38	61.9	51.2	
27-Jan-23	Cloudy	9:43	54.4	48.5	
27-Jan-23	Cloudy	9:48	58.3	49.6	
27-Jan-23	Cloudy	9:53	57.5	48.8	

Remarks:

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

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

### Noise Measurement Results

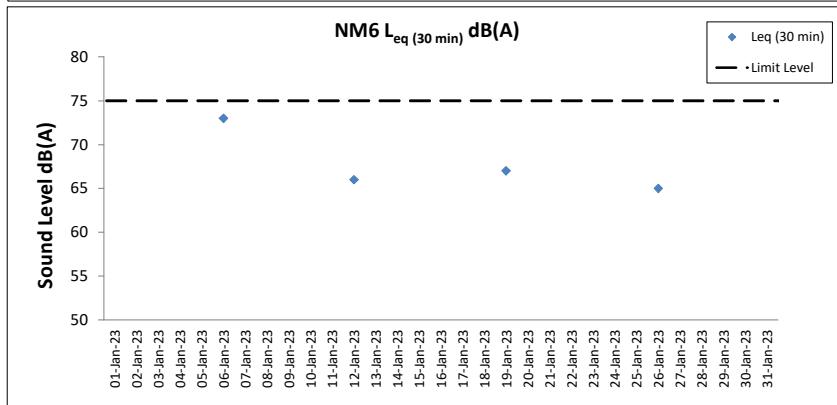
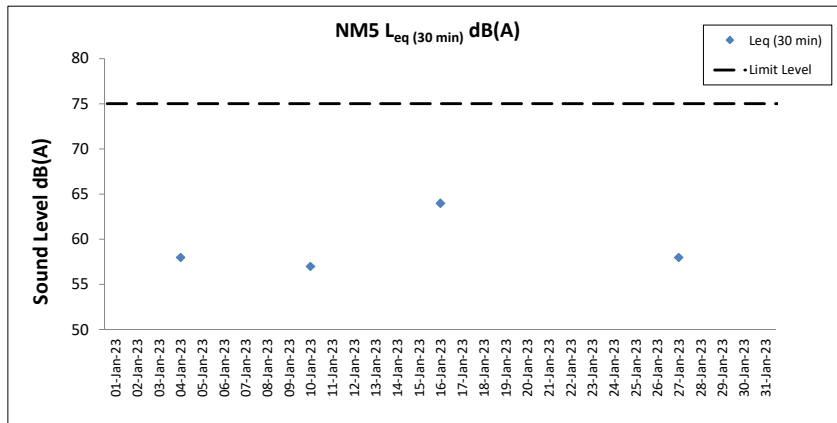
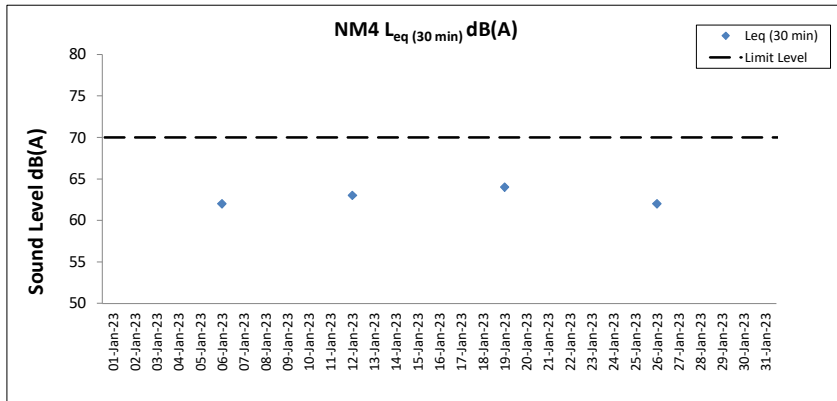
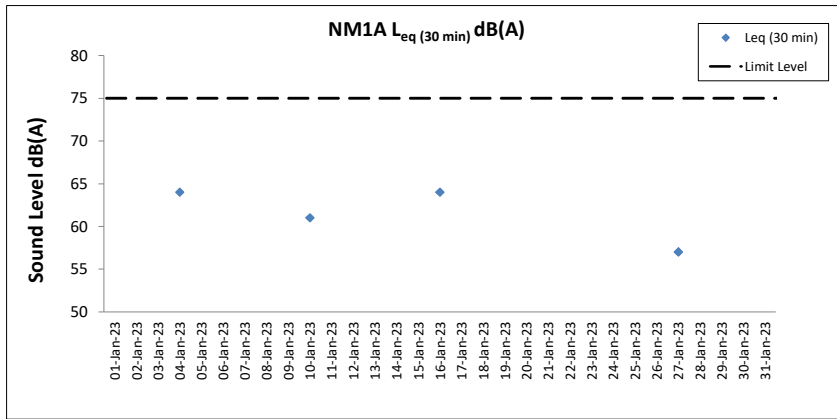
#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
6-Jan-23	Sunny	15:44	74.6	56.4	73*
6-Jan-23	Sunny	15:49	67.3	52.1	
6-Jan-23	Sunny	15:54	71.0	51.1	
6-Jan-23	Sunny	15:59	66.6	51.3	
6-Jan-23	Sunny	16:04	64.0	53.2	
6-Jan-23	Sunny	16:09	59.4	52.1	
12-Jan-23	Cloudy	9:35	67.7	51.6	66
12-Jan-23	Cloudy	9:40	71.2	56.3	
12-Jan-23	Cloudy	9:45	70.2	56.1	
12-Jan-23	Cloudy	9:50	65.3	48.0	
12-Jan-23	Cloudy	9:55	54.5	45.5	
12-Jan-23	Cloudy	10:00	56.7	45.5	
19-Jan-23	Sunny	15:41	64.8	49.3	67
19-Jan-23	Sunny	15:46	59.5	46.9	
19-Jan-23	Sunny	15:51	67.2	49.4	
19-Jan-23	Sunny	15:56	68.2	50.6	
19-Jan-23	Sunny	16:01	58.7	48.1	
19-Jan-23	Sunny	16:06	54.9	48.4	
26-Jan-23	Cloudy	15:39	73.2	49.2	65
26-Jan-23	Cloudy	15:44	68.9	51.2	
26-Jan-23	Cloudy	15:49	54.1	46.2	
26-Jan-23	Cloudy	15:54	54.7	44.7	
26-Jan-23	Cloudy	15:59	50.8	44.3	
26-Jan-23	Cloudy	16:04	54.5	46.0	

Remarks:

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

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



**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 03 January 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	10:50	8.3	Surface	1.0	0.2	216	17.0	17.0	8.0	8.0	32.7	32.7	96.5	96.5	7.7	7.7	8.9	9.3	11	12	815610	804229
						1.0	0.1	216	17.0		8.0	8.0	32.7	32.7	96.5	96.5	7.7		8.9					
					Middle	4.2	0.2	195	17.0	17.0	8.0	8.0	32.7	32.7	96.8	96.8	7.7	7.7	9.7	12				
						4.2	0.2	190	17.0		8.0	8.0	32.7	32.7	96.8	96.8	7.7		9.7					
					Bottom	7.3	0.2	212	17.0	17.0	8.0	8.0	32.7	32.7	96.9	97.0	7.7	7.7	9.6	12				
						7.3	0.2	209	17.0		8.0	8.0	32.7	32.7	97.0	97.0	7.7		9.2					
C2	Cloudy	Rough	12:20	10.4	Surface	1.0	0.2	174	17.1	17.1	8.1	8.1	32.4	32.4	98.4	98.4	7.8	7.8	2.9	4.6	4	5	825659	806952
						1.0	0.2	177	17.1		8.1	8.1	32.4	32.4	98.3	98.4	7.8		2.9					
					Middle	5.2	0.2	186	16.8	16.8	8.1	8.1	32.6	32.6	97.3	97.3	7.8	7.8	5.2	5				
						5.2	0.3	187	16.8		8.1	8.1	32.6	32.6	97.3	97.3	7.8		5.3					
					Bottom	9.4	0.2	161	16.7	16.7	8.1	8.1	32.6	32.6	98.3	98.3	7.9	7.9	5.6	7				
						9.4	0.2	158	16.7		8.1	8.1	32.6	32.6	98.3	98.3	7.9		5.9					
C3	Misty	Calm	10:32	11.0	Surface	1.0	0.1	74	17.8	17.8	7.6	7.6	34.9	34.9	95.5	95.6	7.4	7.4	2.0	3.3	5	5	822109	817793
						1.0	0.1	75	17.8		7.6	7.6	34.9	34.9	95.7	95.7	7.4		2.1					
					Middle	5.5	0.1	69	17.8	17.8	7.6	7.6	34.9	34.9	96.2	96.3	7.4	7.4	3.9	6				
						5.5	0.1	68	17.8		7.6	7.6	34.9	34.9	96.4	96.4	7.4		3.8					
					Bottom	10.0	0.2	97	17.7	17.7	7.5	7.5	34.9	35.0	100.6	100.8	7.8	7.8	4.1	5				
						10.0	0.2	102	17.6		7.5	7.5	35.0	35.0	100.9	100.9	7.8		4.1					
IM1	Cloudy	Moderate	11:10	6.3	Surface	1.0	0.1	180	16.9	16.9	8.0	8.0	32.7	32.7	97.1	97.1	7.7	7.7	7.7	8.7	11	12	818374	806469
						1.0	0.1	186	16.9		8.0	8.0	32.7	32.7	97.1	97.1	7.7		7.7					
					Middle	3.2	0.1	209	16.8	16.8	8.0	8.0	32.7	32.7	97.0	97.0	7.7	7.7	8.6	12				
						3.2	0.1	205	16.8		8.0	8.0	32.7	32.7	97.0	97.0	7.7		8.7					
					Bottom	5.3	0.2	208	16.8	16.8	8.0	8.0	32.7	32.7	97.5	97.6	7.8	7.8	9.7	12				
						5.3	0.2	204	16.8		8.0	8.0	32.7	32.7	97.6	97.6	7.8		9.8					
IM2	Cloudy	Moderate	11:16	6.8	Surface	1.0	0.2	196	16.9	16.9	8.0	8.0	32.7	32.7	98.2	98.2	7.8	7.8	6.1	6.7	8	9	819172	806259
						1.0	0.2	192	16.9		8.0	8.0	32.7	32.7	98.2	98.2	7.8		6.1					
					Middle	3.4	0.1	196	16.8	16.8	8.1	8.1	32.7	32.7	98.2	98.2	7.8	7.8	6.6	9				
						3.4	0.1	197	16.8		8.1	8.1	32.7	32.7	98.2	98.2	7.8		6.6					
					Bottom	5.8	0.2	183	16.8	16.8	8.1	8.1	32.7	32.7	99.1	99.2	7.9	7.9	7.5	10				
						5.8	0.1	182	16.8		8.1	8.1	32.7	32.7	99.2	99.2	7.9		7.5					
IM7	Cloudy	Rough	11:52	8.4	Surface	1.0	0.2	194	16.9	16.9	8.1	8.1	32.7	32.7	98.4	98.4	7.8	7.9	3.9	3.9	14	11	821366	806821
						1.0	0.2	196	16.9		8.1	8.1	32.7	32.7	98.4	98.4	7.8		3.9					
					Middle	4.2	0.1	195	16.9	16.9	8.1	8.1	32.7	32.7	98.7	98.8	7.9	7.9	3.9	11				
						4.2	0.1	193	16.9		8.1	8.1	32.7	32.7	98.8	98.8	7.9		3.8					
					Bottom	7.4	0.1	194	16.7	16.7	8.1	8.1	32.9	32.9	100.2	100.3	8.0	8.0	3.8	8				
						7.4	0.1	195	16.6		8.1	8.1	32.9	32.9	100.3	100.3	8.0		3.8					

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

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

**Water Quality Monitoring Results on 03 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
IM10	Rainy	Calm	11:43	9.2	Surface	1.0	0.2	135	17.4	7.9	7.9	34.9	34.9	102.1	102.2	7.9	8.0	8.0	1.1	1.1	4	3	4	822243	809858						
						1.0	0.3	128	17.4	7.9	7.9	34.9	34.9	102.3	102.2	8.0	8.0	1.1	1.1	3	3										
					Middle	4.6	0.2	111	17.3	7.9	7.9	34.9	34.9	103.0	103.1	8.0	8.0	1.7	1.7	4	4	1.9				4	5	5			
						4.6	0.2	112	17.3	7.9	7.9	34.9	34.9	103.2	103.1	8.0	8.0	1.7	1.7	4	4										
					Bottom	8.2	0.2	134	17.3	7.9	7.9	34.9	34.9	103.9	104.3	8.1	8.1	2.9	2.9	5	5	8.1				4	5	5			
						8.2	0.1	140	17.3	7.9	7.9	34.9	34.9	104.6	104.3	8.1	8.1	2.8	2.8	5	5										
IM11	Rainy	Calm	11:34	7.8	Surface	1.0	0.2	101	17.4	7.9	7.9	34.9	34.9	99.8	100.0	7.8	7.8	7.8	4.9	4.9	4	3	4	821488	810541						
						1.0	0.2	93	17.4	7.9	7.9	34.9	34.9	100.1	100.0	7.8	7.8	4.9	4.9	3	3										
					Middle	3.9	0.2	117	17.3	7.9	7.9	34.9	34.9	100.6	100.7	7.8	7.8	5.0	5.0	4	4	5.5				4	5	5			
						3.9	0.1	119	17.3	7.9	7.9	34.9	34.9	100.8	100.7	7.9	7.9	5.1	5.1	4	4										
					Bottom	6.8	0.2	94	17.3	7.9	7.9	34.9	34.9	101.3	101.5	7.9	7.9	6.4	6.4	5	5	7.9				4	5	4			
						6.8	0.2	100	17.3	7.9	7.9	34.9	34.9	101.6	101.5	7.9	7.9	6.5	6.5	4	4										
IM12	Rainy	Calm	11:27	9.2	Surface	1.0	0.2	110	17.8	7.9	7.9	34.8	34.8	99.5	99.6	7.7	7.7	7.8	1.1	1.1	3	4	4	821172	811508						
						1.0	0.2	112	17.8	7.9	7.9	34.8	34.8	99.7	99.6	7.7	7.7	1.1	1.1	4	4										
					Middle	4.6	0.2	94	17.8	7.9	7.9	34.8	34.8	101.0	101.2	7.8	7.8	1.1	1.1	3	3	7.8				1.2	4	4			
						4.6	0.2	87	17.8	7.9	7.9	34.8	34.8	101.4	101.2	7.8	7.8	1.2	1.2	4	4										
					Bottom	8.2	0.2	94	17.7	7.9	7.9	34.7	34.7	101.9	102.3	7.9	7.9	1.5	1.5	4	4	7.9				4	4	4			
						8.2	0.2	89	17.8	7.9	7.9	34.7	34.7	102.7	102.3	7.9	7.9	1.4	1.4	4	4										
SR1A	Misty	Calm	11:05	5.2	Surface	1.0	0.0	146	17.5	7.9	7.9	34.6	34.6	101.2	101.4	7.9	7.9	7.9	2.1	2.2	6	4	7	819970	812665						
						1.0	0.0	148	17.5	7.9	7.9	34.6	34.6	101.5	101.4	7.9	7.9	2.2	2.2	4	4										
					Middle	2.6	0.0	151	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6				-	-	-	4	6	8
						2.6	0.1	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-				
					Bottom	4.2	0.0	116	17.4	7.9	7.9	34.6	34.6	102.4	102.4	8.0	8.0	3.1	3.1	9	9	8.0				4	8	8			
						4.2	0.1	109	17.4	7.9	7.9	34.5	34.6	102.4	102.4	8.0	8.0	3.1	3.1	8	8										
SR2	Misty	Calm	10:53	5.2	Surface	1.0	0.1	39	17.8	7.7	7.7	35.0	35.0	93.4	93.5	7.2	7.2	7.2	1.8	1.9	4	5	6	821449	814161						
						1.0	0.1	45	17.8	7.7	7.7	35.0	35.0	93.5	93.5	7.2	7.2	1.9	1.9	5	5										
					Middle	-	0.1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3				-	-	-	6	8	
						-	0.1	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-				
					Bottom	4.2	0.1	45	17.8	7.6	7.6	35.0	35.0	93.8	93.9	7.2	7.3	2.8	2.7	6	6	7.3				2.3	8	8			
						4.2	0.1	48	17.8	7.6	7.6	35.0	35.0	94.0	93.9	7.3	7.3	2.7	2.7	8	8										
SR3	Cloudy	Rough	11:59	8.4	Surface	1.0	0.3	183	17.1	8.0	8.0	32.5	32.5	97.2	97.2	7.7	7.7	7.8	2.3	2.4	10	9	9	822154	807550						
						1.0	0.3	177	17.1	8.0	8.0	32.5	32.5	97.2	97.2	7.7	7.7	2.4	2.4	9	9										
					Middle	4.2	0.2	154	16.9	8.1	8.1	32.5	32.5	97.3	97.4	7.8	7.8	4.1	4.1	8	8	7.8				4.3	9	9			
						4.2	0.2	157	16.9	8.1	8.1	32.5	32.5	97.4	97.4	7.8	7.8	4.1	4.1	8	8										
					Bottom	7.4	0.2	161	16.8	8.1	8.1	32.6	32.6	97.5	97.5	7.8	7.8	6.3	6.3	7	7	7.8				4.3	7	7			
						7.4	0.2	161	16.8	8.1	8.1	32.6	32.6	97.5	97.5	7.8	7.8	6.5	6.5	7	7										
SR4A	Cloudy	Moderate	10:32	9.1	Surface	1.0	0.0	351	16.7	8.2	8.2	32.3	32.3	97.9	97.9	7.8	7.8	7.8	5.6	5.6	8	6	9	817199	807806						
						1.0	0.0	345	16.7	8.2	8.2	32.3	32.3	97.9	97.9	7.8	7.8	5.6	5.6	6	6										
					Middle	4.6	0.0	339	16.7	8.1	8.1	32.3	32.3	97.4	97.4	7.8	7.8	6.6	6.6	9	9	7.8				6.3	9	9			
						4.6	0.1	343	16.7	8.1	8.1	32.3	32.3	97.4	97.4	7.8	7.8	6.7	6.7	9	9										
					Bottom	8.1	0.1	347	16.7	8.1	8.1	32.2	32.2	97.4	97.4	7.8	7.8	6.7	6.7	10	10	7.8				6.3	9	9			
						8.1	0.0	349	16.7	8.1	8.1	32.2	32.2	97.4	97.4	7.8	7.8	6.7	6.7	9	9										
SR8	Misty	Calm	11:23	5.0	Surface	1.0	-	-	18.0	7.8	7.8	34.8	34.8	101.6	101.7	7.8	7.8	7.8	2.9	3.0	6	5	7	820410	811634						
						1.0	-	-	17.9	7.8	7.8	34.8	34.8	101.8	101.7	7.8	7.8	3.0	3.0	5	5										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5				-	-	-	7	8	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-				
					Bottom	4.0	-	-	17.7	7.8	7.8	34.6	34.4	101.8	102.3	7.9	7.9	4.0	4.0	8	8	7.9				4.0	7	7			
						4.0	-	-	17.7	7.8	7.8	34.3	34.4	102.7	102.3	7.9	7.9	4.0	4.0	7	7										

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

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

**Water Quality Monitoring Results on 03 January 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	Rough	15:33	8.5	Surface	1.0	0.2	34	17.1	17.1	8.1	8.1	32.7	32.7	96.4	96.5	7.6	7.7	8.9	9.5	10	10	815629	804246		
						1.0	0.1	38	17.1		8.1		32.7		96.5		7.6		8.9		9					
					Middle	4.3	0.2	46	17.1	17.1	8.1	8.1	32.7	32.7	97.2	97.3	7.7	7.8	9.0	7.8	10.3				7.8	10
						4.3	0.1	47	17.1		8.1		32.7		97.3		7.7		9.2		10					
					Bottom	7.5	0.2	52	16.8	16.8	8.1	8.1	32.9	32.9	98.1	98.2	7.8	7.7	10.3	7.7	10.9				7.7	11
						7.5	0.2	51	16.7		8.1		33.0		98.3		7.8		10.9		10					
C2	Cloudy	Rough	14:25	11.4	Surface	1.0	0.1	195	17.2	17.2	8.0	8.0	32.5	32.5	97.4	97.4	7.7	7.7	1.8	2.7	7	6	825660	806961		
						1.0	0.1	194	17.2		8.0		32.5		97.4		7.7		1.8		7					
					Middle	5.7	0.1	191	16.8	16.8	8.1	8.1	32.6	32.6	96.7	96.7	7.7	7.7	2.8	7.7	6				7.7	6
						5.7	0.1	189	16.8		8.1		32.6		96.7		7.7		2.9		7					
					Bottom	10.4	0.1	198	16.7	16.7	8.1	8.1	32.6	32.6	96.6	96.7	7.7	7.7	3.4	7.7	4				7.7	4
						10.4	0.0	198	16.7		8.1		32.6		96.7		7.7		3.6		5					
C3	Rainy	Calm	15:29	8.4	Surface	1.0	0.3	272	17.9	17.9	8.0	8.0	34.9	34.9	97.2	97.4	7.5	7.6	1.4	2.4	5	4	822104	817825		
						1.0	0.3	274	17.9		8.0		34.9		97.5		7.5		1.4		4					
					Middle	4.2	0.3	255	17.9	17.9	8.0	8.0	34.9	34.9	98.4	98.8	7.6	7.7	2.3	7.7	4				7.7	4
						4.2	0.3	260	17.9		8.0		34.9		98.8		7.6		2.2		4					
					Bottom	7.4	0.3	244	17.9	17.9	8.0	8.0	34.9	34.9	99.9	100.4	7.7	7.8	3.5	7.8	4				7.8	4
						7.4	0.4	250	17.9		8.0		34.9		100.9		7.8		3.5		4					
IM1	Cloudy	Rough	15:17	6.7	Surface	1.0	0.1	8	16.9	16.9	8.1	8.1	32.7	32.7	97.7	97.7	7.8	7.8	7.2	8.3	7	9	818340	806479		
						1.0	0.1	2	16.9		8.1		32.7		97.7		7.8		7.2		8					
					Middle	3.4	0.1	7	16.9	16.9	8.1	8.1	32.7	32.7	98.6	98.8	7.8	7.9	7.5	7.9	9				7.9	9
						3.4	0.1	5	16.9		8.1		32.7		98.9		7.9		7.8		10					
					Bottom	5.7	0.0	25	16.8	16.8	8.1	8.1	32.7	32.7	100.5	100.6	8.0	8.0	10.3	8.0	10				8.0	10
						5.7	0.0	31	16.7		8.1		32.7		100.7		8.0		10.1		10					
IM2	Cloudy	Rough	15:12	7.0	Surface	1.0	0.1	263	16.9	16.9	8.1	8.1	32.8	32.8	98.9	98.9	7.9	7.9	6.8	7.9	4	6	819203	806232		
						1.0	0.1	264	16.9		8.1		32.8		98.9		7.9		7.0		4					
					Middle	3.5	0.1	261	16.9	16.9	8.1	8.1	32.8	32.8	98.9	98.9	7.9	7.9	8.3	7.9	5				7.9	5
						3.5	0.1	262	16.9		8.1		32.8		98.9		7.9		8.4		6					
					Bottom	6.0	0.1	281	16.9	16.9	8.1	8.1	32.7	32.7	99.0	99.1	7.9	7.9	8.4	7.9	8				7.9	8
						6.0	0.1	279	16.9		8.1		32.8		99.1		7.9		7.9		8					
IM7	Cloudy	Rough	14:51	7.7	Surface	1.0	0.1	249	16.9	16.9	8.1	8.1	32.7	32.7	98.9	98.9	7.9	7.9	3.4	3.4	7	8	821362	806841		
						1.0	0.1	243	16.9		8.1		32.7		98.9		7.9		3.4		7					
					Middle	3.9	0.0	269	16.9	16.9	8.1	8.1	32.7	32.7	99.1	99.1	7.9	7.9	3.4	7.9	8				7.9	8
						3.9	0.0	275	16.9		8.1		32.7		99.1		7.9		3.4		9					
					Bottom	6.7	0.1	257	16.9	16.9	8.1	8.1	32.7	32.7	99.9	100.0	7.9	8.0	3.4	8.0	9				8.0	9
						6.7	0.1	256	16.9		8.1		32.7		100.1		8.0		3.4		9					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 03 January 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	Rainy	Calm	14:25	9.2	Surface	1.0	0.1	222	17.5	17.5	8.1	8.1	34.9	34.9	102.4	102.5	7.9	8.0	1.5	1.9	3	5	822229	809833		
						1.0	0.1	221	17.5		8.0		34.9		102.6		8.0		1.5		4					
					Middle	4.6	0.1	218	17.5	17.5	8.0	8.0	34.9	34.9	102.9	103.1	8.0	8.1	1.6	1.9	5				1.9	5
						4.6	0.1	214	17.5		8.0		34.9		103.2		8.0		1.6		5					
					Bottom	8.2	0.1	229	17.5	17.5	8.0	8.0	34.9	34.9	103.8	104.1	8.1	8.1	2.7	1.9	5				1.9	5
						8.2	0.1	221	17.5		8.0		34.9		104.3		8.1		2.6		5					
IM11	Rainy	Calm	14:32	8.8	Surface	1.0	0.1	245	17.8	17.8	8.0	8.0	34.8	34.8	99.8	99.9	7.7	7.8	1.0	1.7	5	5	821504	810552		
						1.0	0.2	251	17.8		8.0		34.8		100.0		7.7		1.1		5					
					Middle	4.4	0.1	232	17.8	17.8	8.0	8.0	34.7	34.7	100.5	100.7	7.8	7.9	1.8	1.7	4				1.7	5
						4.4	0.1	238	17.8		8.0		34.7		100.8		7.8		1.7		5					
					Bottom	7.8	0.1	248	17.8	17.8	8.0	8.0	34.7	34.7	101.5	101.7	7.8	7.9	2.4	1.7	4				1.7	4
						7.8	0.1	247	17.8		8.0		34.7		101.9		7.9		2.4		4					
IM12	Rainy	Calm	14:42	8.6	Surface	1.0	0.2	264	17.9	17.9	8.0	8.0	34.8	34.8	101.1	101.2	7.8	7.8	1.2	1.8	6	6	821142	811531		
						1.0	0.2	257	17.9		8.0		34.8		101.3		7.8		1.2		6					
					Middle	4.3	0.1	265	17.9	17.9	8.0	8.0	34.8	34.8	101.1	101.2	7.8	7.9	1.5	1.8	5				1.8	6
						4.3	0.2	264	17.9		8.0		34.8		101.3		7.8		1.6		6					
					Bottom	7.6	0.1	298	17.8	17.9	8.0	8.0	34.7	34.7	102.0	102.3	7.9	7.9	2.7	1.8	6				1.8	6
						7.6	0.1	292	17.9		8.0		34.7		102.5		7.9		2.6		5					
SR1A	Rainy	Calm	14:57	4.6	Surface	1.0	-	199	17.6	17.6	8.0	8.0	34.5	34.5	98.5	98.6	7.7	7.7	3.4	3.7	4	5	819973	812661		
						1.0	0.0	200	17.6		8.0		34.5		98.6		7.7		3.5		4					
					Middle	2.3	0.0	170	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.3	0.0	173	-		-		-		-		-		-		-					-
					Bottom	3.6	0.0	212	17.6	17.6	8.0	8.0	34.5	34.5	99.0	99.1	7.7	7.7	4.0	3.7	5				3.7	5
						3.6	0.0	217	17.6		8.0		34.5		99.2		7.7		4.0		6					
SR2	Rainy	Calm	15:09	5.2	Surface	1.0	0.0	241	17.9	17.9	8.0	8.0	34.9	34.9	99.9	100.1	7.7	7.7	2.0	2.8	8	6	821444	814163		
						1.0	0.0	237	17.9		8.0		34.9		100.3		7.7		2.1		7					
					Middle	-	0.1	242	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.0	246	-		-		-		-		-		-		-					
					Bottom	4.2	0.1	244	17.9	17.9	8.0	8.0	34.9	34.8	101.5	101.8	7.8	7.9	3.5	2.8	5				2.8	5
						4.2	0.0	244	17.9		8.0		34.8		102.1		7.9		3.5		4					
SR3	Cloudy	Rough	14:44	8.5	Surface	1.0	0.0	227	17.1	17.1	8.0	8.0	32.5	32.5	97.8	97.8	7.8	7.8	1.8	3.2	6	6	822141	807589		
						1.0	0.0	226	17.1		8.0		32.5		97.8		7.8		1.8		5					
					Middle	4.3	0.0	228	16.9	16.9	8.1	8.1	32.6	32.6	98.3	98.4	7.8	7.9	3.4	3.2	6				3.2	6
						4.3	0.1	229	16.9		8.1		32.6		98.4		7.8		3.6		6					
					Bottom	7.5	0.0	211	16.9	16.9	8.1	8.1	32.6	32.6	99.6	99.7	7.9	7.9	4.3	3.2	8				3.2	8
						7.5	0.1	206	16.9		8.1		32.6		99.8		7.9		4.3		7					
SR4A	Cloudy	Rough	15:53	9.5	Surface	1.0	0.0	184	16.8	16.8	8.1	8.1	32.5	32.5	98.7	98.7	7.9	7.9	4.7	5.1	7	8	817170	807829		
						1.0	0.0	180	16.8		8.1		32.5		98.6		7.9		4.8		7					
					Middle	4.8	0.0	169	16.7	16.7	8.1	8.1	32.7	32.7	98.1	98.2	7.8	8.0	5.2	5.1	8				5.1	8
						4.8	0.0	168	16.7		8.1		32.7		98.2		7.8		5.2		7					
					Bottom	8.5	0.0	177	16.7	16.7	8.1	8.1	32.7	32.6	99.8	99.9	8.0	8.0	5.4	5.1	8				5.1	8
						8.5	0.0	173	16.7		8.1		32.6		100.0		8.0		5.4		8					
SR8	Rainy	Calm	14:52	5.0	Surface	1.0	-	-	17.9	18.0	8.0	8.0	34.7	34.7	97.8	98.0	7.5	7.5	2.7	3.0	4	4	820397	811615		
						1.0	-	-	18.0		8.0		34.7		98.1		7.5		2.6		4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	4.0	-	-	18.1	18.1	8.0	8.0	34.7	34.7	99.1	99.2	7.6	7.6	3.4	3.0	4				3.0	4
						4.0	-	-	18.1		8.0		34.7		99.3		7.6		3.3		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 05 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
C1	Cloudy	Moderate	12:22	8.0	Surface	1.0	0.1	201	17.7	17.7	7.9	7.9	35.0	35.0	97.8	97.8	7.6	7.6	7.6	7.6	7.7	9.7	17	16	815634	804247			
						1.0	0.1	205	17.7		7.9		35.0		97.8		7.6												
					Middle	4.0	0.1	212	17.6	17.6	7.9	7.9	35.1	35.1	97.3	97.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5				7.5	7.5	16
						4.0	0.0	218	17.6		7.9		35.1		97.2		7.5												
					Bottom	7.0	0.1	177	17.6	17.6	7.9	7.9	35.1	35.1	97.2	97.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5				7.5	7.5	15
						7.0	0.1	182	17.6		7.9		35.1		97.3		7.5												
C2	Cloudy	Moderate	11:10	12.0	Surface	1.0	0.1	358	17.7	17.7	7.9	7.9	34.7	34.7	97.5	97.4	7.5	7.5	7.5	7.5	7.5	4.0	11	12	825705	806947			
						1.0	0.1	354	17.7		7.9		34.7		97.3		7.5												
					Middle	6.0	0.1	347	17.6	17.6	7.9	7.9	34.7	34.7	96.4	96.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5				7.5	7.5	12
						6.0	0.0	346	17.6		7.9		34.8		96.3		7.5												
					Bottom	11.0	0.0	344	17.5	17.5	7.9	7.9	34.8	34.8	95.7	95.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4				7.4	7.4	13
						11.0	0.1	341	17.5		7.9		34.8		95.8		7.4												
C3	Rainy	Calm	11:58	8.6	Surface	1.0	0.1	60	17.5	17.5	8.0	8.0	32.5	32.5	95.7	95.8	7.5	7.5	7.5	7.5	7.5	1.8	7	6	822093	817821			
						1.0	0.2	60	17.5		8.0		32.5		95.9		7.6												
					Middle	4.3	0.0	44	17.4	17.4	8.0	8.0	32.5	32.5	96.5	96.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6				7.6	7.6	6
						4.3	0.1	38	17.4		8.1		32.5		96.8		7.6												
					Bottom	7.6	0.1	54	17.4	17.4	8.0	8.0	32.5	32.5	97.7	97.9	7.7	7.7	7.7	7.7	7.7	7.7	7.7				7.7	7.7	6
						7.6	0.1	46	17.4		8.0		32.5		98.1		7.7												
IM1	Cloudy	Moderate	12:07	6.8	Surface	1.0	0.0	158	17.8	17.8	8.0	8.0	34.9	34.9	98.4	98.4	7.6	7.6	7.6	7.6	7.6	7.6	14	15	818366	806434			
						1.0	0.0	165	17.7		8.0		34.9		98.3		7.6												
					Middle	3.4	-	149	17.5	17.5	8.0	8.0	35.0	35.1	96.8	96.8	7.5	7.5	7.5	7.5	7.5	7.5	7.5				7.5	7.5	16
						3.4	0.0	143	17.5		8.0		35.1		96.8		7.5												
					Bottom	5.8	0.0	148	17.5	17.5	8.0	8.0	35.1	35.1	97.0	97.1	7.5	7.5	7.5	7.5	7.5	7.5	7.5				7.5	7.5	16
						5.8	0.1	140	17.5		8.0		35.1		97.2		7.5												
IM2	Cloudy	Moderate	12:02	6.4	Surface	1.0	0.0	102	17.7	17.7	8.0	8.0	35.1	35.1	98.4	98.4	7.6	7.6	7.6	7.6	7.6	7.6	6	7	819183	806216			
						1.0	0.0	102	17.7		8.0		35.1		98.3		7.6												
					Middle	3.2	0.0	123	17.5	17.5	8.0	8.0	35.1	35.1	97.8	97.8	7.6	7.6	7.6	7.6	7.6	7.6	7.6				7.6	7.6	7
						3.2	0.0	116	17.5		8.0		35.1		97.8		7.6												
					Bottom	5.4	0.0	111	17.6	17.6	8.0	8.0	35.1	35.0	98.2	98.3	7.6	7.6	7.6	7.6	7.6	7.6	7.6				7.6	7.6	8
						5.4	0.1	114	17.6		8.0		35.0		98.3		7.6												
IM7	Cloudy	Moderate	11:40	7.9	Surface	1.0	0.1	69	17.5	17.5	8.0	8.0	35.1	35.1	95.5	95.5	7.4	7.4	7.4	7.4	7.4	7.4	8	8	821347	806843			
						1.0	0.1	62	17.5		8.0		35.1		95.5		7.4												
					Middle	4.0	0.1	67	17.5	17.5	8.0	8.0	35.1	35.1	95.6	95.7	7.4	7.4	7.4	7.4	7.4	7.4	7.4				7.4	7.4	8
						4.0	0.1	62	17.5		8.0		35.1		95.7		7.4												
					Bottom	6.9	0.0	84	17.5	17.5	8.0	8.0	35.1	35.1	96.1	96.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5				7.5	7.5	8
						6.9	0.1	78	17.5		8.0		35.1		96.2		7.5												

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 05 January 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	Calm	10:55	8.0	Surface	1.0	0.1	321	17.2	17.2	8.0	8.0	32.6	32.6	95.2	95.2	7.5	7.5	2.1	3.3	9	12	822258	809854		
						1.0	0.2	313	17.2		8.0	8.0	32.6	32.6	95.1	95.2	7.5		2.1		10					
					Middle	4.0	0.1	338	17.2	17.2	8.0	8.0	32.6	32.6	95.2	95.3	7.5	7.5	3.4	7.6	12				7.6	12
						4.0	0.1	332	17.2		8.0	8.0	32.6	32.6	95.3	95.3	7.5		3.5		12					
					Bottom	7.0	0.1	329	17.2	17.3	8.1	8.1	32.5	32.5	95.8	95.9	7.6	7.6	4.4	7.6	14				7.6	14
						7.0	0.0	331	17.3		8.1	8.1	32.5	32.5	95.9	95.9	7.6		4.4		15					
IM11	Rainy	Calm	11:00	8.4	Surface	1.0	0.0	315	17.2	17.2	8.0	8.0	32.6	32.6	96.2	96.2	7.6	7.6	3.2	4.4	12	12	821480	810554		
						1.0	0.0	310	17.2		8.0	8.0	32.6	32.6	96.2	96.2	7.6		3.3		11					
					Middle	4.2	0.1	310	17.2	17.2	8.0	8.0	32.6	32.6	96.3	96.3	7.6	7.6	4.5	7.8	11				7.8	12
						4.2	0.1	316	17.2		8.0	8.0	32.6	32.6	96.3	96.3	7.6		4.6		12					
					Bottom	7.4	0.1	291	17.1	17.1	8.0	8.0	32.6	32.7	96.7	98.2	7.7	7.8	5.2	7.8	12				7.8	12
						7.4	0.1	289	17.0		8.0	8.0	32.7	32.7	99.7	99.7	7.9		5.2		13					
IM12	Rainy	Calm	11:06	8.6	Surface	1.0	0.0	322	17.2	17.2	8.0	8.0	32.6	32.6	96.1	96.2	7.6	7.7	2.0	2.5	12	12	821175	811521		
						1.0	0.1	315	17.2		8.0	8.0	32.6	32.6	96.2	96.2	7.6		1.9		13					
					Middle	4.3	0.0	306	17.2	17.2	8.0	8.0	32.6	32.6	98.0	98.1	7.8	7.8	2.4	7.9	12				7.9	12
						4.3	0.0	312	17.2		8.0	8.0	32.6	32.6	98.2	98.2	7.8		2.3		12					
					Bottom	7.6	0.1	326	16.9	16.9	8.0	8.0	32.8	32.8	99.2	99.3	7.9	7.9	3.2	7.9	11				7.9	11
						7.6	0.0	328	16.8		8.1	8.0	32.8	32.8	99.4	99.3	7.9		3.2		12					
SR1A	Rainy	Calm	11:26	5.0	Surface	1.0	0.0	132	17.3	17.3	8.0	8.0	32.4	32.4	95.0	95.0	7.5	7.5	2.3	2.7	5	6	819977	812654		
						1.0	0.1	137	17.3		8.0	8.0	32.4	32.4	95.0	95.0	7.5		2.2		6					
					Middle	2.5	0.0	108	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.5	0.0	103	-		-	-	-	-	-	-	-		-		-					
					Bottom	4.0	0.0	105	17.3	17.3	8.0	8.0	32.4	32.4	95.2	95.2	7.5	7.5	3.2	7.5	6				7.5	6
						4.0	0.1	111	17.3		8.0	8.0	32.4	32.4	95.2	95.2	7.5		3.3		6					
SR2	Rainy	Calm	11:38	4.8	Surface	1.0	0.1	32	17.3	17.3	8.0	8.0	32.5	32.5	98.7	98.8	7.8	7.8	4.1	4.6	5	6	821441	814164		
						1.0	0.1	35	17.3		8.0	8.0	32.5	32.5	98.9	98.8	7.8		4.1		4					
					Middle	-	0.0	33	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.0	27	-		-	-	-	-	-	-	-		-							
					Bottom	3.8	0.1	28	17.2	17.3	8.0	8.0	32.5	32.5	99.9	100.1	7.9	7.9	5.0	7.9	7				7.9	7
						3.8	0.1	21	17.3		8.0	8.0	32.4	32.5	100.2	100.1	7.9		5.1		7					
SR3	Cloudy	Moderate	11:32	8.9	Surface	1.0	0.1	25	17.6	17.6	7.9	7.9	34.9	34.9	96.1	96.0	7.4	7.4	4.4	5.7	5	4	822143	807593		
						1.0	0.1	32	17.6		7.9	7.9	35.0	34.9	95.9	95.9	7.4		4.6		5					
					Middle	4.5	0.1	0	17.5	17.5	7.9	7.9	35.1	35.1	95.1	95.1	7.4	7.4	6.1	7.4	4				7.4	4
						4.5	0.1	2	17.5		7.9	7.9	35.1	35.1	95.0	95.0	7.4		6.3		4					
					Bottom	7.9	0.1	0	17.5	17.5	7.9	7.9	35.2	35.1	95.4	95.4	7.4	7.4	6.6	7.4	4				7.4	4
						7.9	0.1	5	17.5		7.9	7.9	35.1	35.1	95.4	95.4	7.4		6.5		3					
SR4A	Cloudy	Moderate	12:40	8.7	Surface	1.0	0.0	299	17.7	17.7	8.0	8.0	35.1	35.1	97.3	97.3	7.5	7.5	5.3	5.9	11	12	817206	807789		
						1.0	0.1	303	17.7		8.0	8.0	35.1	35.1	97.3	97.3	7.5		5.3		12					
					Middle	4.4	0.0	295	17.5	17.5	8.0	8.0	35.1	35.1	96.9	96.9	7.5	7.5	5.9	7.6	12				7.6	12
						4.4	0.0	301	17.5		8.0	8.0	35.1	35.1	96.9	96.9	7.5		6.1		12					
					Bottom	7.7	0.0	322	17.5	17.5	8.0	8.0	35.1	35.1	97.4	97.5	7.5	7.6	6.3	7.6	13				7.6	13
						7.7	0.1	319	17.5		8.0	8.0	35.1	35.1	97.6	97.6	7.6		6.3		12					
SR8	Rainy	Calm	11:11	5.6	Surface	1.0	-	-	17.2	17.2	8.1	8.1	32.5	32.5	98.4	98.5	7.8	7.8	3.1	4.1	4	4	820384	811624		
						1.0	-	-	17.2		8.1	8.1	32.5	32.5	98.5	98.5	7.8		3.2		4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-	-	-	-	-	-	-		-							
					Bottom	4.6	-	-	17.2	17.2	8.1	8.1	32.5	32.5	99.7	100.2	7.9	8.0	4.9	8.0	4				8.0	4
						4.6	-	-	17.2		8.1	8.1	32.5	32.5	100.6	100.6	8.0		4.9		5					

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 05 January 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	07:33	8.4	Surface	1.0	0.3	41	17.6	17.6	7.9	7.9	35.2	35.2	96.2	96.2	7.4	7.4	10.9	11.9	11	10	815596	804247			
						1.0	0.3	45	17.6		7.9		35.2		96.1		7.4		10.9		10						
					Middle	4.2	0.3	11	17.6	17.6	7.9	7.9	35.2	35.2	96.1	96.1	7.4	7.4	11.6	7.4	11				7.4	11	
						4.2	0.3	18	17.6		7.9		35.2		96.1		7.4		11.5		11						
					Bottom	7.4	0.3	45	17.6	17.6	7.8	7.8	35.2	35.2	96.2	96.2	7.4	7.4	13.6	7.4	9				7.4	9	
						7.4	0.3	50	17.6		7.8		35.2		96.2		7.4		13.3		9						
C2	Cloudy	Moderate	08:39	11.4	Surface	1.0	0.3	341	17.7	17.7	7.9	7.9	34.6	34.6	98.1	98.1	7.6	7.6	2.3	7.5	10	11	825661	806955			
						1.0	0.3	339	17.7		7.9		34.6		98.1		7.6		2.3		11						
					Middle	5.7	0.3	349	17.6	17.6	7.9	7.9	34.8	34.8	96.1	96.1	7.4	7.4	4.7	7.4	11				7.4	11	
						5.7	0.3	352	17.6		7.9		34.8		96.0		7.4		4.8		11						
					Bottom	10.4	0.3	15	17.5	17.5	7.9	7.9	34.8	34.8	95.8	95.8	7.4	7.4	4.7	7.4	11				7.4	11	
						10.4	0.2	12	17.5		7.9		34.8		95.8		7.4		4.6		12						
C3	Misty	Calm	08:01	11.2	Surface	1.0	0.5	254	17.4	17.4	8.0	8.0	32.1	32.1	91.2	91.2	7.2	7.2	2.2	7.2	6	6	822121	817782			
						1.0	0.5	256	17.4		8.0		32.1		91.2		7.2		2.3		6						
					Middle	5.6	0.5	258	17.4	17.4	8.0	8.0	32.0	32.0	91.1	91.2	7.2	7.2	3.8	7.2	6				7.2	6	
						5.6	0.4	259	17.4		8.0		32.0		91.2		7.2		3.9		6						
					Bottom	10.2	0.5	272	17.4	17.4	8.0	8.0	31.8	31.8	92.4	92.5	7.3	7.3	4.1	7.3	5				7.3	5	
						10.2	0.5	267	17.4		8.0		31.8		92.5		7.3		4.2		4						
IM1	Cloudy	Moderate	07:47	6.7	Surface	1.0	0.2	4	17.5	17.5	7.9	7.9	35.2	35.2	95.9	95.9	7.4	7.4	9.9	7.4	9	10.0	9	818356	806441		
						1.0	0.2	1	17.5		7.9		35.2		95.9		7.4		9.0		9						
					Middle	3.4	0.2	14	17.5	17.5	7.9	7.9	35.2	35.2	95.9	96.0	7.4	7.4	8.7	7.4	8					7.4	8
						3.4	0.2	21	17.5		7.9		35.2		96.0		7.4		8.9		8						
					Bottom	5.7	0.2	1	17.5	17.5	7.8	7.8	35.1	35.1	96.8	97.0	7.5	7.5	11.3	7.5	8					7.5	8
						5.7	0.3	5	17.5		7.8		35.1		97.1		7.5		12.0		8						
IM2	Cloudy	Moderate	07:53	6.8	Surface	1.0	0.3	4	17.5	17.5	7.9	7.9	35.1	35.1	97.9	97.9	7.6	7.6	10.3	7.6	10	11.2	12	819203	806254		
						1.0	0.3	0	17.5		7.9		35.1		97.9		7.6		10.6		11						
					Middle	3.4	0.2	33	17.5	17.5	7.9	7.9	35.1	35.1	98.5	98.6	7.6	7.6	11.6	7.6	12					7.6	12
						3.4	0.2	38	17.5		7.9		35.1		98.7		7.7		11.6		11						
					Bottom	5.8	0.2	16	17.5	17.5	7.9	7.9	35.1	35.1	99.7	99.8	7.7	7.7	11.6	7.7	13					7.7	13
						5.8	0.2	14	17.5		7.9		35.1		99.9		7.7		11.8		12						
IM7	Cloudy	Moderate	08:14	7.8	Surface	1.0	0.2	347	17.5	17.5	7.9	7.9	35.2	35.2	94.9	94.9	7.4	7.3	7.1	7.3	5	7.8	6	821340	806850		
						1.0	0.1	342	17.5		7.9		35.2		94.8		7.3		7.1		5						
					Middle	3.9	0.1	346	17.5	17.5	7.9	7.9	35.2	35.2	94.7	94.7	7.3	7.3	7.1	7.3	6					7.3	6
						3.9	0.1	343	17.5		7.9		35.2		94.7		7.3		7.1		6						
					Bottom	6.8	0.2	8	17.4	17.4	7.9	7.9	35.2	35.2	94.9	95.0	7.4	7.4	9.3	7.4	7					7.4	7
						6.8	0.2	14	17.4		7.9		35.2		95.0		7.4		9.3		6						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 05 January 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	Rainy	Calm	09:05	9.4	Surface	1.0	0.3	290	17.2	17.2	8.0	8.0	32.6	32.6	96.6	96.7	7.6	7.7	3.6	4.7	7	7	822227	809851				
						1.0	0.3	285	17.2		8.0	8.0	32.6	32.6	96.7	96.7	7.7		3.5		7							
					Middle	4.7	0.3	305	17.2	17.2	8.0	8.0	32.6	32.6	97.4	97.5	7.7	7.8	5.0	7								
						4.7	0.4	310	17.2		8.0	8.0	32.6	32.6	97.5	97.5	7.7		5.0	8								
					Bottom	8.4	0.3	272	17.2	17.2	8.0	8.0	32.6	32.6	98.1	98.2	7.8	7.8	5.4	7								
						8.4	0.3	271	17.2		8.0	8.0	32.6	32.6	98.3	98.2	7.8		5.6	8								
IM11	Rainy	Calm	09:00	7.0	Surface	1.0	0.4	277	17.2	17.2	8.0	8.0	32.5	32.5	96.8	96.9	7.7	7.7	1.0	2.3	6	6	821499	810527				
						1.0	0.4	277	17.2		8.0	8.0	32.5	32.5	96.9	96.9	7.7		1.1		5							
					Middle	3.5	0.4	273	17.2	17.2	8.0	8.0	32.6	32.6	97.2	97.2	7.7	7.7	2.4	6								
						3.5	0.4	267	17.2		8.0	8.0	32.6	32.6	97.2	97.2	7.7		2.3	5								
					Bottom	6.0	0.3	291	17.2	17.2	8.0	8.0	32.6	32.6	97.6	97.7	7.7	7.7	3.4	6								
						6.0	0.3	296	17.2		8.0	8.0	32.6	32.6	97.7	97.7	7.7		3.4	7								
IM12	Rainy	Calm	08:55	7.6	Surface	1.0	0.4	280	17.2	17.2	8.0	8.0	32.6	32.6	96.7	96.8	7.7	7.7	1.6	2.5	6	7	821152	811498				
						1.0	0.4	278	17.1		8.0	8.0	32.6	32.6	96.8	96.8	7.7		1.5		6							
					Middle	3.8	0.3	290	17.1	17.1	8.0	8.0	32.6	32.6	97.3	97.4	7.7	7.7	2.6	6								
						3.8	0.3	295	17.0		8.0	8.0	32.7	32.7	97.4	97.4	7.7		2.5	7								
					Bottom	6.6	0.4	275	16.6	16.6	8.1	8.1	33.0	33.1	98.8	100.4	7.9	8.1	3.5	8								
						6.6	0.4	268	16.5		8.1	8.1	33.1	33.1	102.0	100.4	8.2		3.5	7								
SR1A	Misty	Calm	08:33	4.4	Surface	1.0	0.0	201	17.0	17.0	8.0	8.0	32.6	32.6	98.7	98.8	7.9	7.9	5.8	6.1	7	7	819971	812665				
						1.0	0.0	204	16.9		8.0	8.0	32.7	32.6	98.9	98.9	7.9		5.7		7							
					Middle	2.2	0.0	205	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.2	0.0	208	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.4	0.0	197	16.5	16.5	8.1	8.1	32.9	33.0	100.8	101.2	8.1	8.1	6.4	6								
						3.4	0.1	197	16.4		8.1	8.1	33.0	33.0	101.5	101.2	8.1		6.4	6								
SR2	Misty	Calm	08:21	5.4	Surface	1.0	0.0	286	17.3	17.3	8.1	8.1	32.4	32.4	97.7	97.9	7.7	7.8	1.1	2.0	6	7	821476	814176				
						1.0	0.1	287	17.3		8.1	8.1	32.4	32.4	98.0	97.9	7.8		1.2		7							
					Middle	-	0.1	268	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	0.1	263	-		-	-	-	-	-	-	-	-	-	-	-				-			
					Bottom	4.4	0.0	291	17.3	17.3	8.1	8.0	32.4	32.4	102.0	102.1	8.1	8.1	2.8	7								
						4.4	0.1	294	17.3		8.0	8.0	32.4	32.4	102.1	102.1	8.1		2.8	7								
SR3	Cloudy	Moderate	08:21	8.9	Surface	1.0	0.2	332	17.7	17.7	7.9	7.9	34.8	34.8	96.7	96.7	7.5	7.5	5.2	7.4	10	10	822123	807560				
						1.0	0.2	333	17.7		7.9	7.9	34.9	34.8	96.7	96.7	7.5		5.3		10							
					Middle	4.5	0.2	348	17.6	17.6	7.9	7.9	35.0	35.0	96.6	96.7	7.5	7.5	5.5	10								
						4.5	0.2	340	17.6		7.9	7.9	35.0	35.0	96.7	96.7	7.5		5.6	10								
					Bottom	7.9	0.3	342	17.7	17.7	7.8	7.8	35.0	34.9	97.7	97.9	7.6	7.6	11.5	10								
						7.9	0.3	343	17.7		7.8	7.8	34.9	34.9	98.1	97.9	7.6		11.2	11								
SR4A	Cloudy	Moderate	07:12	9.5	Surface	1.0	0.0	251	17.5	17.5	7.8	7.8	35.1	35.1	95.1	95.1	7.4	7.4	3.9	5.4	7	9	817170	807811				
						1.0	0.0	252	17.5		7.8	7.8	35.2	35.1	95.0	95.0	7.4		4.1		8							
					Middle	4.8	-	268	17.4	17.4	7.8	7.8	35.2	35.2	94.0	94.0	7.3	7.3	6.3	9								
						4.8	0.0	265	17.4		7.8	7.8	35.2	35.2	94.0	94.0	7.3		6.2	10								
					Bottom	8.5	0.0	277	17.4	17.4	7.8	7.8	35.2	35.2	94.0	94.0	7.3	7.3	6.1	10								
						8.5	0.1	273	17.4		7.8	7.8	35.2	35.2	94.0	94.0	7.3		6.0	10								
SR8	Misty	Calm	08:50	5.4	Surface	1.0	-	-	17.4	17.4	8.0	8.0	32.5	32.5	98.3	98.3	7.8	7.8	2.9	3.5	6	6	820404	811635				
						1.0	-	-	17.4		8.0	8.0	32.5	32.5	98.3	98.3	7.8		2.9		7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.4	-	-	17.1	17.1	8.1	8.1	32.5	32.5	99.8	99.9	7.9	7.9	4.1	6								
						4.4	-	-	17.1		8.1	8.1	32.5	32.5	100.0	99.9	7.9		4.1	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 07 January 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	13:20	8.0	Surface	1.0	0.0	89	17.5	17.5	7.9	7.9	32.1	32.1	97.9	97.9	7.7	7.7	7.5	9.8	7	8	815615	804238
						1.0	0.0	94	17.5		7.9		32.1		97.8		7.7		7.6		8			
					Middle	4.0	0.0	92	17.4	17.4	7.9	7.9	32.3	32.3	96.4	96.4	7.6	7.6	9.4	7.6	8			
						4.0	0.0	94	17.4		7.9		32.3		96.4		7.6		8					
					Bottom	7.0	0.0	84	17.5	17.6	7.9	7.9	32.3	32.3	96.4	96.5	7.6	7.6	12.0	7.6	8			
						7.0	0.1	82	17.6		7.9		32.2		96.6		7.6		12.5		8			
C2	Cloudy	Moderate	11:48	11.7	Surface	1.0	0.1	345	17.5	17.5	7.9	7.9	31.9	31.9	98.8	98.8	7.8	7.8	2.9	4.2	4	5	825689	806946
						1.0	0.1	350	17.5		7.9		31.9		98.8		7.8		4					
					Middle	5.9	0.1	354	17.4	17.4	7.9	7.9	32.0	32.0	97.5	97.5	7.7	7.7	4.3	7.7	4			
						5.9	0.1	351	17.4		7.9		32.0		97.4		7.7		4					
					Bottom	10.7	0.2	6	17.3	17.3	7.9	7.9	32.0	32.0	97.1	97.1	7.7	7.7	5.2	7.7	6			
						10.7	0.2	2	17.3		7.9		32.0		97.1		7.7		5.2		5			
C3	Fine	Calm	12:49	8.6	Surface	1.0	0.1	97	18.1	18.1	8.0	8.0	34.8	34.8	97.6	97.7	7.5	7.6	2.3	3.2	6	7	822128	817788
						1.0	0.0	96	18.1		8.0		34.8		97.7		7.5		5					
					Middle	4.3	0.1	109	17.8	17.8	8.0	8.0	35.0	35.1	98.5	98.7	7.6	7.6	3.2	7.6	7			
						4.3	0.1	107	17.7		8.0		35.1		98.9		7.6		8					
					Bottom	7.6	0.0	101	17.5	17.5	8.0	8.0	35.3	35.3	102.9	103.1	8.0	8.0	4.2	8.0	8			
						7.6	0.0	98	17.5		8.0		35.3		103.2		8.0		4.1		7			
IM1	Cloudy	Moderate	12:55	6.5	Surface	1.0	0.0	56	17.4	17.4	7.9	7.9	32.0	32.0	96.8	96.8	7.7	7.6	9.4	7.6	13	14	818344	806449
						1.0	0.1	49	17.4		7.9		32.0		96.7		7.6		13					
					Middle	3.3	0.1	36	17.4	17.4	7.9	7.9	32.1	32.1	96.2	96.2	7.6	7.6	9.6	7.6	14			
						3.3	0.1	40	17.4		7.9		32.1		96.2		7.6		12					
					Bottom	5.5	0.1	34	17.3	17.3	7.9	7.9	32.2	32.2	95.9	95.9	7.6	7.6	11.8	7.6	15			
						5.5	0.1	27	17.3		7.9		32.2		95.8		7.6		12.1		14			
IM2	Cloudy	Moderate	12:49	7.1	Surface	1.0	0.1	27	17.5	17.5	7.9	7.9	31.9	31.9	97.4	97.4	7.7	7.7	7.5	9.2	11	10	819184	806220
						1.0	0.0	21	17.4		7.9		32.0		97.3		7.7		10					
					Middle	3.6	0.1	32	17.4	17.4	7.9	7.9	32.2	32.2	96.1	96.1	7.6	7.6	9.7	7.6	11			
						3.6	0.1	28	17.4		7.9		32.2		96.0		7.6		10					
					Bottom	6.1	0.1	34	17.4	17.4	7.8	7.8	32.2	32.2	95.8	95.8	7.6	7.6	10.4	7.6	9			
						6.1	0.1	37	17.4		7.8		32.2		95.8		7.6		10.4		8			
IM7	Cloudy	Moderate	12:27	8.3	Surface	1.0	0.1	44	17.5	17.5	7.9	7.9	32.3	32.3	96.5	96.5	7.6	7.6	4.8	7.6	6	8	821372	806854
						1.0	0.2	37	17.5		7.9		32.3		96.5		7.6		7					
					Middle	4.2	0.2	45	17.4	17.4	7.9	7.9	32.3	32.3	96.2	96.2	7.6	7.6	5.5	7.6	7			
						4.2	0.2	38	17.4		7.9		32.3		96.2		7.6		8					
					Bottom	7.3	0.1	67	17.4	17.5	7.9	7.8	32.3	32.3	96.0	96.1	7.6	7.6	5.6	7.6	8			
						7.3	0.1	66	17.5		7.8		32.3		96.1		7.6		5.7		9			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 January 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	11:48	8.0	Surface	1.0	0.2	317	18.2	18.2	8.0	8.0	34.6	34.5	97.1	97.1	7.5	7.4	1.2	2.2	8	7	822263	809826		
						1.0	0.2	322	18.2		8.0	8.0	34.5	34.5	97.0	97.1	7.4		1.2		8					
					Middle	4.0	0.1	321	18.2	18.2	8.0	8.0	34.6	34.5	96.8	96.7	7.4	7.4	2.1	7.4	8				7	7
						4.0	0.1	320	18.2		8.1	8.0	34.5	34.5	96.6	96.7	7.4		2.1		6					
					Bottom	7.0	0.1	335	18.2	18.2	8.1	8.1	34.8	34.7	96.1	95.7	7.4	7.4	3.3	7.3	7				6	6
						7.0	0.1	339	18.1		8.1	8.1	34.7	34.7	95.2	95.7	7.3		3.3		6					
IM11	Fine	Calm	11:58	8.4	Surface	1.0	0.1	302	17.9	17.9	8.1	8.1	34.6	34.6	100.7	100.8	7.8	7.9	1.1	1.8	7	7	821512	810528		
						1.0	0.1	300	17.9		8.1	8.1	34.6	34.6	100.9	100.8	7.8		1.1		8					
					Middle	4.2	0.1	292	17.8	17.8	8.1	8.1	34.7	34.7	101.7	101.9	7.9	7.9	1.6	8.0	7				6	7
						4.2	0.1	290	17.8		8.1	8.1	34.7	34.7	102.0	101.9	7.9		1.5		6					
					Bottom	7.4	0.2	301	17.7	17.7	8.1	8.1	34.8	34.8	102.8	102.9	8.0	8.0	2.8	8.0	6				6	6
						7.4	0.2	305	17.6		8.0	8.1	34.8	34.8	103.0	102.9	8.0		2.8		6					
IM12	Fine	Calm	12:03	8.8	Surface	1.0	0.1	277	17.9	17.9	8.0	8.0	34.6	34.6	100.5	100.6	7.8	7.8	1.0	1.8	5	6	821156	811496		
						1.0	0.1	282	17.9		8.0	8.0	34.6	34.6	100.6	100.6	7.8		1.1		5					
					Middle	4.4	0.1	278	17.9	17.9	8.0	8.0	34.6	34.6	100.9	101.0	7.8	7.8	1.7	7.9	6				6	6
						4.4	0.1	274	17.9		8.0	8.0	34.6	34.6	101.0	101.0	7.8		1.7		6					
					Bottom	7.8	0.1	275	17.9	17.9	8.0	8.0	34.6	34.6	101.4	101.7	7.8	7.9	2.6	7.9	7				7	7
						7.8	0.0	281	17.9		8.0	8.0	34.6	34.6	101.9	101.7	7.9		2.7		7					
SR1A	Fine	Calm	12:21	5.4	Surface	1.0	0.0	351	18.3	18.3	8.0	8.0	34.8	34.8	101.0	101.1	7.7	7.7	2.5	3.0	7	7	819973	812655		
						1.0	0.0	357	18.3		8.0	8.0	34.8	34.8	101.1	101.1	7.7		2.5		8					
					Middle	2.7	0.0	331	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.7	0.0	326	-		-	-	-	-	-	-	-		-		-					-
					Bottom	4.4	0.0	319	18.3	18.3	8.0	8.0	34.8	34.8	101.3	101.4	7.8	7.8	3.5	7.8	6				6	6
						4.4	0.1	325	18.3		8.0	8.0	34.8	34.8	101.5	101.4	7.8		3.7		7					
SR2	Fine	Calm	12:33	5.0	Surface	1.0	0.0	12	18.0	18.0	8.0	8.0	34.7	34.7	102.9	103.0	7.9	7.9	2.0	2.5	7	7	821478	814151		
						1.0	0.0	18	18.0		8.0	8.0	34.7	34.7	103.1	103.0	7.9		2.0		7					
					Middle	-	0.0	10	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.0	10	-		-	-	-	-	-	-	-		-		-					
					Bottom	4.0	0.0	8	18.0	18.0	8.0	8.0	34.6	34.6	103.5	103.8	8.0	8.0	3.1	8.0	6				6	6
						4.0	0.0	7	18.0		8.0	8.0	34.6	34.6	104.0	103.8	8.0		3.1		6					
SR3	Cloudy	Moderate	12:21	8.5	Surface	1.0	0.1	16	17.4	17.4	7.9	7.9	32.2	32.2	96.4	96.4	7.6	7.6	4.7	6.3	6	6	822170	807554		
						1.0	0.1	13	17.4		7.9	7.9	32.2	32.2	96.4	96.4	7.6		4.9		6					
					Middle	4.3	0.2	21	17.4	17.4	7.9	7.9	32.2	32.2	96.1	96.1	7.6	7.6	5.7	7.6	6				6	6
						4.3	0.2	15	17.4		7.9	7.9	32.2	32.2	96.1	96.1	7.6		5.9		7					
					Bottom	7.5	0.2	1	17.4	17.4	7.9	7.9	32.2	32.2	95.9	95.9	7.6	7.6	8.3	7.6	6				6	6
						7.5	0.1	357	17.4		7.9	7.9	32.2	32.2	95.8	95.9	7.6		8.5		6					
SR4A	Cloudy	Moderate	13:41	8.7	Surface	1.0	0.0	315	17.5	17.5	7.9	7.9	32.2	32.2	97.8	97.8	7.7	7.7	6.7	7.0	8	10	817166	807813		
						1.0	0.0	318	17.5		7.9	7.9	32.2	32.2	97.8	97.8	7.7		6.8		9					
					Middle	4.4	0.0	303	17.5	17.5	7.9	7.9	32.2	32.2	97.4	97.4	7.7	7.7	7.1	7.7	11				7	11
						4.4	0.0	304	17.5		7.9	7.9	32.2	32.2	97.4	97.4	7.7		7.2		10					
					Bottom	7.7	0.0	296	17.5	17.5	7.9	7.9	32.2	32.2	97.5	97.5	7.7	7.7	7.2	7.7	11				6	11
						7.7	0.1	293	17.5		7.9	7.9	32.2	32.2	97.5	97.5	7.7		7.2		11					
SR8	Fine	Calm	12:09	5.6	Surface	1.0	-	-	17.9	17.9	8.0	8.0	34.6	34.6	99.2	99.2	7.6	7.7	2.2	2.5	7	8	820395	811636		
						1.0	-	-	17.9		8.0	8.0	34.6	34.6	99.2	99.2	7.7		2.2		8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-	-	-	-	-	-	-		-		-					
					Bottom	4.6	-	-	17.9	17.9	8.0	8.0	34.6	34.6	99.5	99.6	7.7	7.7	2.8	7.7	8				6	8
						4.6	-	-	17.9		8.0	8.0	34.6	34.6	99.7	99.6	7.7		2.8		8					

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 07 January 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	08:37	8.4	Surface	1.0	0.3	38	17.3	17.3	8.0	8.0	32.2	32.2	97.1	97.1	7.7	7.7	12.7	12.9	15	13	815608	804244
						1.0	0.3	37	17.3	8.0	8.0	32.2	32.2	97.1	97.1	7.7	7.7	13.0	14					
					Middle	4.2	0.3	48	17.3	8.0	8.0	32.2	32.2	96.9	96.9	7.7	7.7	12.4	13					
						4.2	0.3	42	17.3	8.0	8.0	32.2	32.2	96.8	96.8	7.7	7.7	12.3	12					
					Bottom	7.4	0.3	55	17.3	8.0	8.0	32.2	32.2	96.8	96.8	7.7	7.7	13.3	12					
						7.4	0.3	56	17.3	8.0	8.0	32.2	32.2	96.8	96.8	7.7	7.7	13.5	12					
C2	Cloudy	Moderate	10:09	12.3	Surface	1.0	0.3	2	17.5	17.5	7.9	7.9	31.9	31.9	98.9	98.9	7.8	7.8	3.2	5.1	7	6	825705	806957
						1.0	0.2	8	17.5	7.9	7.9	31.9	31.9	98.8	98.8	7.8	7.8	3.3	6					
					Middle	6.2	0.3	338	17.4	7.9	7.9	32.0	32.0	97.3	97.3	7.7	7.7	4.5	5					
						6.2	0.3	341	17.3	7.9	7.9	32.0	32.0	97.2	97.2	7.7	7.7	4.7	6					
					Bottom	11.3	0.3	2	17.3	7.9	7.9	32.0	32.0	96.8	96.8	7.7	7.7	7.4	5					
						11.3	0.3	356	17.3	7.9	7.9	32.0	32.0	96.8	96.8	7.7	7.7	7.6	4					
C3	Fine	Calm	08:58	10.8	Surface	1.0	0.5	255	18.0	18.0	8.0	8.0	35.0	35.0	93.0	93.0	7.1	7.1	1.0	2.4	6	6	822130	817809
						1.0	0.5	257	18.0	8.0	8.0	35.0	35.0	93.0	93.0	7.1	7.1	1.1	5					
					Middle	5.4	0.5	272	18.0	8.0	8.0	35.0	35.0	93.7	93.8	7.2	7.2	2.7	5					
						5.4	0.5	267	18.0	8.0	8.0	35.0	35.0	93.9	93.8	7.2	7.2	2.7	6					
					Bottom	9.8	0.5	245	18.0	8.0	8.0	35.0	35.0	95.9	96.0	7.4	7.4	3.5	6					
						9.8	0.5	252	18.0	8.0	8.0	35.0	35.0	96.1	96.0	7.4	7.4	3.5	6					
IM1	Cloudy	Moderate	09:04	6.8	Surface	1.0	0.2	9	17.4	17.4	8.0	8.0	32.2	32.2	96.8	96.8	7.7	7.7	12.5	11.8	16	14	818335	806479
						1.0	0.2	6	17.4	8.0	8.0	32.2	32.2	96.8	96.8	7.7	7.7	12.6	15					
					Middle	3.4	0.2	355	17.3	8.0	8.0	32.2	32.2	97.1	97.1	7.7	7.7	11.0	14					
						3.4	0.2	354	17.3	8.0	8.0	32.2	32.2	97.1	97.1	7.7	7.7	10.9	15					
					Bottom	5.8	0.2	29	17.3	8.1	8.1	32.2	32.2	97.9	98.0	7.7	7.8	11.8	13					
						5.8	0.2	22	17.3	8.1	8.1	32.2	32.2	98.0	98.0	7.8	7.8	11.9	12					
IM2	Cloudy	Moderate	09:09	7.0	Surface	1.0	0.3	15	17.3	17.3	8.0	8.0	32.2	32.2	96.6	96.6	7.6	7.6	10.7	12.1	16	15	819161	806230
						1.0	0.3	8	17.3	8.0	8.0	32.2	32.2	96.6	96.6	7.6	7.6	10.6	16					
					Middle	3.5	0.2	30	17.3	8.0	8.0	32.2	32.2	96.3	96.3	7.6	7.6	11.2	15					
						3.5	0.2	37	17.3	8.0	8.0	32.2	32.2	96.3	96.3	7.6	7.6	11.2	15					
					Bottom	6.0	0.3	12	17.3	8.0	7.9	32.2	32.2	96.0	96.0	7.6	7.6	14.2	15					
						6.0	0.3	9	17.3	7.9	7.9	32.2	32.2	96.0	96.0	7.6	7.6	14.5	15					
IM7	Cloudy	Moderate	09:29	8.2	Surface	1.0	0.2	350	17.5	17.5	7.9	7.9	32.4	32.4	96.7	96.7	7.6	7.6	3.7	4.4	7	8	821335	806825
						1.0	0.2	353	17.5	7.9	7.9	32.4	32.4	96.7	96.7	7.6	7.6	3.7	7					
					Middle	4.1	0.1	2	17.4	7.9	7.9	32.4	32.4	96.1	96.1	7.6	7.6	4.2	8					
						4.1	0.2	357	17.4	7.9	7.9	32.4	32.4	96.1	96.1	7.6	7.6	4.2	7					
					Bottom	7.2	0.1	336	17.4	7.9	7.9	32.4	32.4	95.9	95.9	7.6	7.6	5.1	8					
						7.2	0.1	332	17.4	7.9	7.9	32.4	32.4	95.9	95.9	7.6	7.6	5.1	9					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 January 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	Calm	10:12	9.4	Surface	1.0	0.2	305	17.9	17.9	7.9	7.9	34.6	34.6	103.6	103.7	8.0	8.0	8.0	3.4	2.5	7	8	822249	809831
						1.0	0.2	300	17.9		7.9		34.6		103.7		8.0				2.4		9		
					Middle	4.7	0.3	297	17.9	7.9	34.6	104.3	8.0	3.7	7										
						4.7	0.2	291	17.9	8.0	34.6	104.6	8.1	3.7	7										
					Bottom	8.4	0.2	282	17.9	8.0	34.6	105.1	8.1	4.1	6										
						8.4	0.3	280	17.9	8.0	34.6	105.8	8.2	4.1	6										
IM11	Fine	Calm	10:07	7.6	Surface	1.0	0.3	283	17.9	17.9	7.9	7.9	34.7	34.7	102.5	102.7	7.9	8.0	4.5	3.8	6	5	821497	810542	
						1.0	0.3	285	17.9		7.9		34.7		102.8		7.9			3.8		6			
					Middle	3.8	0.3	293	17.9	7.9	34.6	103.7	8.0	4.2	6										
						3.8	0.3	286	17.9	8.0	34.6	103.9	8.0	4.2	6										
					Bottom	6.6	0.3	263	17.9	8.0	34.6	104.6	8.1	5.4	7										
						6.6	0.3	268	17.9	8.0	34.6	105.0	8.1	5.5	7										
IM12	Fine	Calm	09:52	7.6	Surface	1.0	0.3	284	17.8	17.8	7.9	7.9	34.6	34.6	102.3	102.4	7.9	8.0	5.4	4.1	8	6	821163	811516	
						1.0	0.3	277	17.8		7.9		34.6		102.5		7.9			4.1		7			
					Middle	3.8	0.4	302	17.8	7.9	34.6	103.2	8.0	5.3	7										
						3.8	0.4	302	17.8	7.9	34.6	103.4	8.0	5.4	8										
					Bottom	6.6	0.3	268	17.8	7.9	34.6	103.8	8.0	6.7	9										
						6.6	0.4	261	17.8	7.9	34.6	104.6	8.1	6.7	8										
SR1A	Fine	Calm	09:32	4.0	Surface	1.0	0.0	236	18.1	18.1	8.1	8.1	34.8	34.8	98.8	98.9	7.6	7.6	4.0	3.7	8	9	819977	812661	
						1.0	0.0	238	18.1		8.1		34.8		98.9		7.6			3.7		10			
					Middle	2.0	0.0	237	-	-	-	-	-	-	-										
						2.0	0.1	240	-	-	-	-	-	-	-										
					Bottom	3.0	0.0	210	18.1	8.1	34.8	99.2	7.6	4.4	7										
						3.0	0.1	204	18.1	8.1	34.8	99.4	7.6	4.3	7										
SR2	Fine	Calm	09:18	4.6	Surface	1.0	0.1	298	17.9	17.9	8.0	8.0	34.7	34.7	102.3	102.5	7.9	7.9	3.0	2.6	6	6	821459	814147	
						1.0	0.1	302	17.9		8.0		34.7		102.6		7.9			2.5		6			
					Middle	-	0.1	301	-	-	-	-	-	-	-										
						-	0.1	299	-	-	-	-	-	-	-										
					Bottom	3.6	0.1	321	17.9	8.0	34.8	103.2	8.0	3.4	6										
						3.6	0.1	324	17.9	8.0	34.6	103.5	8.0	3.5	5										
SR3	Cloudy	Moderate	09:36	8.9	Surface	1.0	0.3	328	17.5	17.5	7.9	7.9	32.2	32.2	96.6	96.6	7.6	7.6	7.7	7.3	11	11	822160	807547	
						1.0	0.3	320	17.5		7.9		32.2		96.5		7.6			7.4		10			
					Middle	4.5	0.2	357	17.5	7.9	32.2	96.4	7.6	7.8	10										
						4.5	0.2	351	17.5	7.9	32.2	96.4	7.6	7.8	11										
					Bottom	7.9	0.2	357	17.5	7.9	32.2	96.5	7.6	7.9	11										
						7.9	0.2	1	17.5	7.9	32.2	96.5	7.6	7.9	12										
SR4A	Cloudy	Moderate	08:18	8.8	Surface	1.0	0.0	224	17.3	17.3	8.0	8.0	31.9	31.9	96.5	96.5	7.7	7.7	7.4	7.0	11	12	817211	807829	
						1.0	0.0	231	17.3		8.0		31.9		96.5		7.7			7.0		12			
					Middle	4.4	0.0	231	17.3	8.0	31.8	96.3	7.6	7.6	11										
						4.4	0.0	232	17.3	8.0	31.8	96.2	7.6	7.7	10										
					Bottom	7.8	0.0	211	17.3	8.0	31.8	96.1	7.6	7.7	10										
						7.8	0.0	204	17.3	8.0	31.8	96.1	7.6	7.7	9										
SR8	Fine	Calm	09:48	5.8	Surface	1.0	-	-	18.0	18.0	8.1	8.1	34.5	34.5	102.4	102.5	7.9	7.9	5.0	4.9	7	8	820378	811600	
						1.0	-	-	17.9		8.1		34.6		102.6		7.9			4.8		7			
					Middle	-	-	-	-	-	-	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-										
					Bottom	4.8	-	-	17.9	8.1	34.5	103.2	8.0	5.1	6										
						4.8	-	-	17.9	8.1	34.5	103.8	8.0	5.1	7										

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 10 January 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
C1	Rainy	Moderate	14:31	8.6	Surface	1.0	0.0	93	17.4	17.4	7.9	7.9	32.2	32.2	96.3	96.3	7.6	7.6	7.6	9.5	6.9	7	8	815631	804246
						1.0	0.0	96	17.4		7.9		32.2		96.3		7.6				7.0		7		
					Middle	4.3	0.1	96	17.4	7.9	7.9	32.4	32.4	96.6	96.7	7.6	7.6	10.7	6						
						4.3	0.0	93	17.4	7.9	7.9	32.4	32.4	96.7	96.7	7.6	7.6	10.6	7						
					Bottom	7.6	0.1	104	17.4	7.9	7.9	32.4	32.4	98.2	98.4	7.8	7.8	10.9	6						
						7.6	0.1	102	17.4	7.9	7.9	32.4	32.4	98.6	98.6	7.8	7.8	10.8	6						
C2	Rainy	Moderate	13:19	11.0	Surface	1.0	0.1	8	17.4	17.4	7.7	7.7	31.4	31.4	96.4	96.4	7.6	7.6	7.6	8.9	3.2	7	8	825694	806965
						1.0	0.1	14	17.4		7.7		31.4		96.4		7.6				3.3		7		
					Middle	5.5	0.1	357	17.4	7.6	7.6	31.5	31.5	96.2	96.2	7.6	7.6	10.6	7						
						5.5	0.1	352	17.4	7.6	7.6	31.5	31.5	96.2	96.2	7.6	7.6	10.6	8						
					Bottom	10.0	0.1	26	17.4	7.6	7.6	31.5	31.5	98.3	98.5	7.8	7.8	13.0	7						
						10.0	0.2	26	17.4	7.6	7.6	31.5	31.5	98.6	98.6	7.8	7.8	12.7	7						
C3	Rainy	Moderate	15:14	10.5	Surface	1.0	0.2	85	18.0	18.0	7.9	7.9	34.6	34.6	92.4	92.4	7.1	7.1	7.1	1.4	1.1	7	6	822087	817821
						1.0	0.3	82	18.0		7.9		34.6		92.4		7.1				1.0		6		
					Middle	5.3	0.2	93	18.0	7.9	7.9	34.7	34.7	90.6	90.6	7.0	7.0	1.3	6						
						5.3	0.2	98	18.0	7.9	7.9	34.7	34.7	90.6	90.6	7.0	7.0	1.4	7						
					Bottom	9.5	0.2	92	18.0	7.9	7.9	34.7	34.7	90.6	90.7	7.0	7.0	1.6	7						
						9.5	0.2	99	18.0	7.9	7.9	34.7	34.7	90.7	90.7	7.0	7.0	1.8	7						
IM1	Rainy	Moderate	14:09	6.3	Surface	1.0	0.0	51	17.3	17.3	7.9	7.9	31.9	31.9	96.4	96.5	7.6	7.7	7.7	9.3	8.2	7	8	818339	806434
						1.0	0.0	53	17.3		7.9		31.9		96.5		7.6				8.3		7		
					Middle	3.2	0.0	62	17.3	7.9	7.9	31.9	31.9	97.2	97.4	7.7	7.7	10.1	7						
						3.2	0.0	66	17.3	7.9	7.9	31.9	31.9	97.5	97.5	7.7	7.7	10.3	7						
					Bottom	5.3	0.0	63	17.3	7.9	7.9	31.9	31.9	98.8	99.0	7.8	7.9	9.5	7						
						5.3	0.0	56	17.3	7.9	7.9	31.9	31.9	99.2	99.2	7.9	7.9	9.7	7						
IM2	Rainy	Moderate	14:04	7.0	Surface	1.0	0.1	35	17.3	17.3	7.9	7.9	31.8	31.8	94.5	94.5	7.5	7.6	7.6	9.8	9.3	6	6	819186	806225
						1.0	0.1	35	17.3		7.9		31.8		94.5		7.5				9.2		6		
					Middle	3.5	0.1	43	17.3	7.9	7.9	31.9	31.9	95.6	95.7	7.6	7.6	9.1	6						
						3.5	0.2	49	17.3	7.9	7.9	31.9	31.9	95.7	95.7	7.6	7.6	9.6	6						
					Bottom	6.0	0.1	19	17.3	7.9	7.9	31.8	31.8	95.9	96.0	7.6	7.6	10.6	6						
						6.0	0.1	14	17.3	7.9	7.9	31.8	31.8	96.1	96.1	7.6	7.6	11.0	7						
IM7	Rainy	Moderate	13:43	8.5	Surface	1.0	0.2	41	17.3	17.3	7.9	7.9	31.8	31.8	95.3	95.3	7.6	7.6	7.6	10.1	8.6	7	8	821326	806850
						1.0	0.2	38	17.3		7.9		31.8		95.3		7.6				8.8		7		
					Middle	4.3	0.2	61	17.3	7.9	7.9	31.9	31.9	95.4	95.5	7.6	7.6	10.0	7						
						4.3	0.2	54	17.3	7.9	7.9	31.9	31.9	95.5	95.5	7.6	7.6	10.5	7						
					Bottom	7.5	0.2	25	17.3	7.9	7.9	31.9	31.9	96.0	96.1	7.6	7.6	11.8	6						
						7.5	0.2	30	17.3	7.9	7.9	31.9	31.9	96.1	96.1	7.6	7.6	11.2	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 10 January 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
IM10	Rainy	Moderate	13:20	8.2	Surface	1.0	0.0	324	17.9	17.9	7.9	7.9	34.1	34.1	95.9	95.9	7.4	7.4	2.8	2.8	7	8	822233	809822	
						1.0	0.0	330	17.9		7.9		34.1		95.9		7.4		2.8		8				
					Middle	4.1	0.1	315	17.8	17.8	7.9	7.9	34.1	34.1	95.6	95.6	7.4	7.4	2.8	2.8	8				8
						4.1	0.1	310	17.8		7.9		34.1		95.6		7.4		2.8		8				
					Bottom	7.2	0.0	333	17.8	17.8	7.9	7.9	34.1	34.1	95.7	95.7	7.4	7.4	2.7	2.7	8				8
						7.2	0.1	327	17.8		7.9		34.1		95.7		7.4		2.7		8				
IM11	Rainy	Moderate	13:31	7.8	Surface	1.0	0.0	320	17.9	17.9	7.9	7.9	34.2	34.2	96.1	96.1	7.4	7.4	3.5	3.5	6	6	821485	810536	
						1.0	0.0	324	17.9		7.9		34.2		96.1		7.4		3.5		7				
					Middle	3.9	0.0	345	17.8	17.8	7.9	7.9	34.2	34.2	96.1	96.1	7.4	7.4	3.7	3.7	7				7
						3.9	0.0	346	17.8		7.9		34.2		96.1		7.4		3.9		6				
					Bottom	6.8	0.0	310	17.8	17.8	7.9	7.9	34.2	34.2	96.3	96.4	7.5	7.5	4.0	4.0	6				6
						6.8	0.0	303	17.8		7.9		34.2		96.4		7.5		4.0		5				
IM12	Rainy	Moderate	13:39	7.4	Surface	1.0	0.0	45	17.8	17.8	7.9	7.9	34.2	34.2	96.3	96.3	7.5	7.5	3.0	3.0	6	6	821143	811505	
						1.0	0.0	40	17.8		7.9		34.2		96.3		7.5		3.0		7				
					Middle	3.7	0.0	40	17.8	17.8	7.9	7.9	34.2	34.2	96.5	96.6	7.5	7.5	3.2	3.2	7				7
						3.7	0.1	41	17.8		7.9		34.2		96.6		7.5		3.3		6				
					Bottom	6.4	0.0	81	17.8	17.8	7.9	7.9	34.2	34.2	97.5	97.7	7.6	7.6	3.6	3.6	6				6
						6.4	0.1	86	17.8		7.9		34.2		97.9		7.6		3.7		6				
SR1A	Rainy	Calm	14:28	5.1	Surface	1.0	0.0	356	17.9	17.9	7.9	7.9	34.2	34.2	96.9	96.9	7.5	7.5	2.6	2.6	6	7	819972	812665	
						1.0	0.1	351	17.9		7.9		34.2		96.9		7.5		2.6		6				
					Middle	2.6	-	351	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						2.6	0.0	344	-		-		-		-		-		-		-				
					Bottom	4.1	0.0	3	17.9	17.9	7.9	7.9	34.2	34.2	97.4	97.5	7.5	7.5	3.1	3.1	8				8
						4.1	0.0	4	17.9		7.9		34.2		97.5		7.5		3.1		8				
SR2	Rainy	Moderate	14:52	5.3	Surface	1.0	0.1	74	17.9	17.9	7.9	7.9	34.3	34.3	96.1	96.1	7.4	7.4	2.4	2.4	8	8	821467	814180	
						1.0	0.1	72	17.9		7.9		34.3		96.1		7.4		2.4		9				
					Middle	-	0.2	69	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						-	0.2	73	-		-		-		-		-		-						
					Bottom	4.3	0.1	49	17.9	17.9	7.9	7.9	34.3	34.3	95.9	95.9	7.4	7.4	2.5	2.5	7				7
						4.3	0.2	47	17.9		7.9		34.3		95.9		7.4		2.5		8				
SR3	Rainy	Moderate	13:36	9.4	Surface	1.0	0.2	19	17.4	17.4	7.9	7.9	31.8	31.8	95.3	95.3	7.6	7.6	6.2	6.2	8	7	822170	807577	
						1.0	0.2	12	17.4		7.9		31.8		95.3		7.6		6.3		6				
					Middle	4.7	0.2	2	17.4	17.4	7.9	7.9	31.9	31.9	95.3	95.3	7.5	7.5	6.6	6.6	7				7
						4.7	0.2	357	17.4		7.9		31.9		95.3		7.6		6.5		6				
					Bottom	8.4	0.2	31	17.4	17.4	7.9	7.9	31.9	31.9	97.1	97.2	7.7	7.7	9.9	9.9	6				6
						8.4	0.2	25	17.4		7.9		31.9		97.3		7.7		9.9		6				
SR4A	Rainy	Moderate	14:58	9.4	Surface	1.0	0.1	104	17.4	17.4	7.9	7.9	31.9	31.9	96.1	96.1	7.6	7.6	6.6	6.6	7	7	817188	807788	
						1.0	0.0	98	17.4		7.9		31.9		96.1		7.6		6.7		6				
					Middle	4.7	0.0	81	17.4	17.4	7.9	7.9	31.9	31.9	96.1	96.1	7.6	7.6	7.0	7.0	8				8
						4.7	0.1	82	17.4		7.9		31.9		96.1		7.6		6.9		7				
					Bottom	8.4	0.0	74	17.4	17.4	7.9	7.9	31.9	31.9	96.5	96.5	7.6	7.6	6.8	6.8	8				8
						8.4	0.0	69	17.3		7.9		31.9		96.5		7.6		6.8		7				
SR8	Rainy	Calm	13:49	5.6	Surface	1.0	-	-	17.9	17.9	7.9	7.9	34.1	34.1	96.6	96.6	7.5	7.5	2.8	2.8	7	7	820392	811639	
						1.0	-	-	17.9		7.9		34.1		96.6		7.5		2.8		7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						-	-	-	-		-		-		-		-		-						
					Bottom	4.6	-	-	17.8	17.8	7.9	7.9	34.2	34.2	96.3	96.4	7.5	7.5	4.7	4.7	7				7
						4.6	-	-	17.8		7.9		34.2		96.4		7.5		4.7		8				

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 10 January 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	Rainy	Moderate	10:14	8.0	Surface	1.0	0.3	28	17.3	17.3	7.9	7.9	31.8	31.8	95.8	95.9	7.6	7.6	8.3	9.4	7	9	815622	804251	
						1.0	0.3	26	17.3		7.9		31.8		95.9		7.6		9.1		7				
					Middle	4.0	0.4	52	17.3	17.3	7.9	7.9	31.8	31.8	96.1	96.1	7.6	7.6	9.3	7.6	9				
						4.0	0.3	52	17.3		7.9		31.8		96.1		7.6		9.5		9				
					Bottom	7.0	0.3	57	17.1	17.1	7.9	7.9	32.0	32.0	100.0	100.1	8.0	8.0	10.2	8.0	10.2	8.0			9
						7.0	0.4	59	17.0		7.9		32.1		100.2		8.0		10.2		10				
C2	Rainy	Moderate	11:25	11.2	Surface	1.0	0.3	356	17.5	17.5	7.9	7.9	31.4	31.4	96.3	96.3	7.6	7.6	3.4	7.9	7	825676	806926		
						1.0	0.3	351	17.5		7.9		31.4		96.3		7.6		3.4		8				
					Middle	5.6	0.2	359	17.4	17.4	7.9	7.9	31.4	31.4	96.2	96.2	7.6	7.6	9.5	7.6	8				
						5.6	0.2	0	17.4		7.9		31.4		96.2		7.6		10.0		9				
					Bottom	10.2	0.3	333	17.4	17.4	7.9	7.9	31.3	31.3	97.7	97.8	7.8	7.8	10.9	7.8	10.9			7.8	10
						10.2	0.3	329	17.4		7.9		31.3		97.8		7.8		10.1		9				
C3	Rainy	Moderate	09:34	10.3	Surface	1.0	0.4	275	17.9	17.9	8.0	8.0	34.4	34.4	94.9	94.9	7.3	7.3	2.5	3.9	8	822119	817788		
						1.0	0.4	269	17.9		8.0		34.4		94.9		7.3		2.5		9				
					Middle	5.2	0.4	267	17.9	17.9	7.9	7.9	34.4	34.4	94.5	94.5	7.3	7.3	2.6	7.3	9				
						5.2	0.4	270	17.9		7.9		34.4		94.5		7.3		2.7		8				
					Bottom	9.3	0.5	241	17.9	17.9	7.9	7.9	34.5	34.5	94.3	94.3	7.3	7.3	6.6	7.3	6.6			7.3	7
						9.3	0.5	243	17.9		7.9		34.5		94.3		7.3		6.6		8				
IM1	Rainy	Moderate	10:40	6.8	Surface	1.0	0.2	2	17.3	17.3	7.9	7.9	31.8	31.8	96.3	96.3	7.6	7.6	10.3	9.8	8	818343	806462		
						1.0	0.2	4	17.3		7.9		31.8		96.3		7.6		10.6		8				
					Middle	3.4	0.3	12	17.3	17.3	7.9	7.9	31.8	31.8	96.4	96.4	7.7	7.7	8.5	7.7	7				
						3.4	0.3	8	17.3		7.9		31.8		96.4		7.7		8.8		6				
					Bottom	5.8	0.3	4	17.3	17.3	7.9	7.9	31.8	31.8	97.3	97.4	7.7	7.7	10.4	7.7	6				
						5.8	0.3	9	17.3		7.9		31.8		97.4		7.7		10.2		7				
IM2	Rainy	Moderate	10:45	7.0	Surface	1.0	0.3	7	17.3	17.3	7.9	7.9	31.7	31.7	96.5	96.6	7.7	7.7	6.9	8.0	6	819177	806244		
						1.0	0.3	11	17.3		7.9		31.7		96.6		7.7		7.0		6				
					Middle	3.5	0.3	359	17.3	17.3	7.9	7.9	31.7	31.7	96.8	96.9	7.7	7.7	7.5	7.7	7				
						3.5	0.3	359	17.3		7.9		31.7		96.9		7.7		7.8		6				
					Bottom	6.0	0.2	42	17.3	17.3	7.9	7.9	31.7	31.7	98.0	98.1	7.8	7.8	9.4	7.8	7				
						6.0	0.2	40	17.3		7.9		31.7		98.1		7.8		9.6		7				
IM7	Rainy	Moderate	11:04	8.2	Surface	1.0	0.2	14	17.4	17.4	7.9	7.9	31.6	31.6	96.3	96.3	7.6	7.6	6.8	6.8	8	821358	806819		
						1.0	0.2	19	17.4		7.9		31.6		96.3		7.6		6.8		9				
					Middle	4.1	0.2	35	17.4	17.4	7.9	7.9	31.6	31.6	96.7	96.8	7.7	7.7	7.0	7.7	9				
						4.1	0.2	34	17.4		7.9		31.6		96.8		7.7		6.9		8				
					Bottom	7.2	0.2	8	17.4	17.4	7.9	7.9	31.6	31.6	98.0	98.1	7.8	7.8	6.7	7.8	6				
						7.2	0.2	10	17.4		7.9		31.6		98.2		7.8		6.8		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 10 January 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	Rainy	Moderate	11:01	7.9	Surface	1.0	0.2	293	17.8	17.8	7.9	7.9	34.1	34.1	96.1	96.1	7.4	7.4	6.5	5.7	6	7	822221	809829
						1.0	0.2	287	17.8		7.9	7.9	34.1	34.1	96.1	96.1	7.5		6.5					
					Middle	4.0	0.3	290	17.8	17.8	7.9	7.9	34.1	34.1	95.6	95.6	7.4	7.4	4.9	7	7			
						4.0	0.3	294	17.8		7.9	7.9	34.1	34.1	95.6	95.6	7.4		4.9					
					Bottom	6.9	0.2	287	17.8	17.8	7.9	7.9	34.1	34.1	95.7	95.7	7.4	7.4	5.7	8	9			
						6.9	0.2	289	17.8		7.9	7.9	34.1	34.1	95.7	95.7	7.4		5.7					
IM11	Rainy	Moderate	10:49	7.3	Surface	1.0	0.3	284	17.8	17.8	7.9	7.9	34.2	34.2	96.3	96.3	7.5	7.5	4.8	4.5	7	8	821518	810545
						1.0	0.3	283	17.8		7.9	7.9	34.2	34.2	96.3	96.3	7.5		4.7					
					Middle	3.7	0.3	276	17.8	17.8	7.9	7.9	34.2	34.2	95.9	95.9	7.4	7.4	4.0	8	8			
						3.7	0.3	272	17.8		7.9	7.9	34.2	34.2	95.9	95.9	7.4		4.1					
					Bottom	6.3	0.3	273	17.8	17.8	7.9	7.9	34.2	34.2	95.9	95.9	7.4	7.4	4.5	8	8			
						6.3	0.3	272	17.8		7.9	7.9	34.2	34.2	95.9	95.9	7.4		4.6					
IM12	Rainy	Moderate	10:42	7.1	Surface	1.0	0.3	292	17.8	17.8	7.9	7.9	34.2	34.2	95.5	95.5	7.4	7.4	7.8	7.5	11	9	821180	811524
						1.0	0.4	295	17.8		7.9	7.9	34.2	34.2	95.5	95.5	7.4		7.7					
					Middle	3.6	0.3	281	17.8	17.8	7.9	7.9	34.2	34.2	95.3	95.4	7.4	7.4	8.3	8	9			
						3.6	0.3	286	17.8		7.9	7.9	34.2	34.2	95.4	95.4	7.4		8.3					
					Bottom	6.1	0.3	270	17.8	17.8	7.9	7.9	34.2	34.2	95.4	95.4	7.4	7.4	6.4	8	8			
						6.1	0.3	270	17.8		7.9	7.9	34.2	34.2	95.4	95.4	7.4		6.5					
SR1A	Rainy	Calm	10:06	4.9	Surface	1.0	0.0	194	17.9	17.9	7.9	7.9	34.4	34.4	95.6	95.7	7.4	7.4	4.5	4.1	8	8	819971	812663
						1.0	0.0	191	17.9		7.9	7.9	34.4	34.4	95.7	95.7	7.4		4.5					
					Middle	2.5	0.1	193	-	-	-	-	-	-	-	-	-	-	-	9	-			
						2.5	0.0	191	-		-	-	-	-	-	-	-		-					
					Bottom	3.9	0.0	188	17.9	17.9	7.9	7.9	34.5	34.5	96.3	96.4	7.4	7.5	3.7	8	9			
						3.9	0.1	183	17.9		7.9	7.9	34.5	34.5	96.4	96.4	7.5		3.7					
SR2	Rainy	Moderate	09:53	4.2	Surface	1.0	0.0	281	17.8	17.8	8.0	8.0	34.1	34.1	95.8	95.8	7.4	7.4	4.7	5.3	8	8	821455	814142
						1.0	0.0	287	17.8		8.0	8.0	34.1	34.1	95.8	95.8	7.4		4.6					
					Middle	-	0.0	307	-	-	-	-	-	-	-	-	-	-	-	8	-			
						-	0.0	310	-		-	-	-	-	-	-	-		-					
					Bottom	3.2	0.1	313	17.8	17.8	8.0	8.0	34.2	34.2	95.6	95.7	7.4	7.4	6.0	8	8			
						3.2	0.0	314	17.8		8.0	8.0	34.2	34.2	95.7	95.7	7.4		6.0					
SR3	Rainy	Moderate	11:10	9.0	Surface	1.0	0.2	342	17.4	17.4	7.9	7.9	31.4	31.4	96.3	96.3	7.6	7.6	4.0	4.6	9	10	822144	807564
						1.0	0.2	345	17.4		7.9	7.9	31.4	31.4	96.2	96.2	7.6		4.0					
					Middle	4.5	0.3	333	17.4	17.4	7.9	7.9	31.5	31.5	96.2	96.2	7.6	7.6	4.7	10	9			
						4.5	0.3	333	17.4		7.9	7.9	31.5	31.5	96.2	96.2	7.6		4.8					
					Bottom	8.0	0.3	329	17.4	17.4	7.9	7.9	31.5	31.5	97.5	97.6	7.7	7.8	5.3	10	10			
						8.0	0.3	323	17.4		7.9	7.9	31.5	31.5	97.7	97.6	7.8		5.2					
SR4A	Rainy	Moderate	09:44	9.4	Surface	1.0	0.0	189	17.5	17.5	7.9	7.9	31.8	31.8	94.7	94.7	7.5	7.5	4.5	4.5	8	7	817178	807787
						1.0	0.0	182	17.5		7.9	7.9	31.8	31.8	94.7	94.7	7.5		4.6					
					Middle	4.7	0.1	172	17.5	17.5	7.8	7.8	31.7	31.7	94.7	94.7	7.5	7.5	4.5	7	8			
						4.7	0.0	166	17.5		7.8	7.8	31.7	31.7	94.7	94.7	7.5		4.5					
					Bottom	8.4	0.0	211	17.5	17.5	7.8	7.8	31.5	31.5	95.7	95.9	7.6	7.6	4.6	6	7			
						8.4	0.0	211	17.5		7.8	7.8	31.5	31.5	96.0	96.0	7.6		4.6					
SR8	Rainy	Calm	10:34	4.5	Surface	1.0	-	-	19.2	19.2	7.9	7.9	33.7	33.7	96.7	96.7	7.3	7.3	3.8	6.6	8	7	820384	811637
						1.0	-	-	19.2		7.9	7.9	33.7	33.7	96.7	96.7	7.3		3.9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-			
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.5	-	-	17.9	17.9	7.9	7.9	34.2	34.2	96.0	96.1	7.4	7.4	9.3	7	6			
						3.5	-	-	17.9		7.9	7.9	34.2	34.2	96.1	96.1	7.4		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 12 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	16:19	8.3	Surface	1.0	0.1	218	17.6	17.6	8.0	8.0	32.2	32.2	96.6	96.6	7.6	7.6	8.9	9.7	4	4	815598	804257
						1.0	0.1	211	17.6		8.0		32.2		96.5		7.6		9.0		4			
					Middle	4.2	0.1	210	17.6	8.0	8.0	32.2	32.2	96.3	96.3	7.6	7.6	9.1	4					
						4.2	0.1	217	17.6	8.0	8.0	32.2	32.2	96.3	96.3	7.6	7.6	9.3	4					
					Bottom	7.3	0.1	195	17.6	8.0	8.0	32.2	32.2	96.5	96.5	7.6	7.6	11.0	5					
						7.3	0.1	199	17.6	8.0	8.0	32.2	32.2	96.5	96.5	7.6	7.6	11.2	4					
C2	Cloudy	Rough	14:41	11.3	Surface	1.0	0.0	9	17.5	17.5	7.8	7.8	31.4	31.4	95.7	95.7	7.6	7.6	3.1	5.3	6	6	825664	806964
						1.0	0.0	12	17.5		7.8		31.4		95.7		7.6		3.1		6			
					Middle	5.7	0.0	0	17.5	7.7	7.7	31.4	31.4	95.5	95.5	7.6	7.6	4.6	6					
						5.7	0.0	5	17.5	7.7	7.7	31.4	31.4	95.5	95.5	7.6	7.6	4.8	6					
					Bottom	10.3	0.1	31	17.5	7.7	7.7	31.4	31.4	95.6	95.6	7.6	7.6	8.0	7					
						10.3	0.1	37	17.5	7.7	7.7	31.4	31.4	95.6	95.6	7.6	7.6	8.4	6					
C3	Misty	Calm	16:05	9.4	Surface	1.0	0.2	82	18.1	18.2	7.9	7.9	34.5	34.5	94.3	94.4	7.2	7.3	1.2	1.6	4	5	822105	817811
						1.0	0.3	78	18.2		7.9		34.5		94.4		7.2		1.1		4			
					Middle	4.7	0.3	70	18.3	7.9	7.9	34.5	34.4	95.0	95.1	7.3	7.3	1.7	5					
						4.7	0.3	63	18.3	7.9	7.9	34.4	34.4	95.2	95.2	7.3	7.3	1.6	5					
					Bottom	8.4	0.2	83	18.3	7.9	7.9	34.4	34.4	95.8	96.0	7.3	7.4	2.0	5					
						8.4	0.3	88	18.4	7.9	7.9	34.4	34.4	96.2	96.0	7.4	7.4	2.1	5					
IM1	Cloudy	Rough	15:49	6.4	Surface	1.0	0.1	169	17.6	17.6	8.0	8.0	32.1	32.1	96.5	96.5	7.6	7.6	10.1	10.3	5	4	818328	806446
						1.0	0.0	169	17.6		8.0		32.1		96.5		7.6		10.2		5			
					Middle	3.2	0.1	168	17.6	8.0	8.0	32.1	32.1	96.4	96.4	7.6	7.6	10.4	4					
						3.2	0.1	161	17.6	8.0	8.0	32.1	32.1	96.4	96.4	7.6	7.6	10.3	4					
					Bottom	5.4	0.0	159	17.6	8.0	8.0	32.1	32.0	96.4	96.4	7.6	7.6	10.6	4					
						5.4	0.0	156	17.6	8.0	8.0	32.0	32.0	96.4	96.4	7.6	7.6	10.3	4					
IM2	Cloudy	Rough	15:42	6.9	Surface	1.0	0.0	100	17.6	17.6	8.0	8.0	32.1	32.1	95.9	95.9	7.5	7.6	9.2	11.0	4	4	819172	806243
						1.0	0.0	94	17.6		8.0		32.1		95.9		7.5		9.3		4			
					Middle	3.5	0.1	108	17.6	8.0	8.0	32.1	32.1	96.1	96.1	7.6	7.6	11.2	4					
						3.5	0.1	103	17.6	8.0	8.0	32.1	32.1	96.1	96.1	7.6	7.6	11.3	5					
					Bottom	5.9	0.0	81	17.6	8.0	8.0	32.1	32.1	96.5	96.5	7.6	7.6	12.2	4					
						5.9	0.0	75	17.6	8.0	8.0	32.1	32.1	96.5	96.5	7.6	7.6	12.5	4					
IM7	Cloudy	Rough	15:23	8.3	Surface	1.0	0.1	61	17.6	17.6	8.0	8.0	31.8	31.8	96.5	96.5	7.6	7.6	6.7	7.3	5	5	821329	806829
						1.0	0.1	56	17.6		8.0		31.8		96.5		7.6		7.0		4			
					Middle	4.2	0.1	88	17.7	8.0	8.0	31.9	31.9	96.6	96.7	7.6	7.6	7.4	6					
						4.2	0.1	88	17.6	8.0	8.0	31.9	31.9	96.7	96.7	7.6	7.6	7.4	5					
					Bottom	7.3	0.1	47	17.7	7.9	7.9	32.0	32.0	97.3	97.3	7.7	7.7	7.7	6					
						7.3	0.2	43	17.7	7.9	7.9	32.0	32.0	97.3	97.3	7.7	7.7	7.7	6					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 12 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Misty	Calm	14:40	8.4	Surface	1.0	0.1	45	18.0	18.0	8.0	8.0	34.2	34.2	97.1	97.1	7.5	7.5	1.1	7.5	7	6	822218	809855			
						1.0	0.1	43	18.0	8.0	8.0	34.2	34.2	97.1	97.1	7.5	7.5	1.2	7.5	6							
					Middle	4.2	0.0	38	18.0	8.0	8.0	34.2	34.2	97.1	97.1	7.5	7.5	2.1	7.5	6							
						4.2	0.1	39	18.0	8.0	8.0	34.2	34.2	97.1	97.1	7.5	7.5	2.1	7.5	5							
					Bottom	7.4	0.0	59	18.0	8.0	8.0	34.2	34.2	97.3	97.3	7.5	7.5	3.2	7.5	5							
						7.4	0.0	65	18.0	8.0	8.0	34.2	34.2	97.3	97.3	7.5	7.5	3.2	7.5	5							
IM11	Misty	Calm	15:11	10.0	Surface	1.0	0.1	92	18.0	18.0	8.0	8.0	34.1	34.1	98.9	98.9	7.6	7.6	5.9	7.7	4	5	821501	810535			
						1.0	0.2	86	18.0	8.0	8.0	34.1	34.1	98.9	98.9	7.6	7.6	5.8	7.7	4							
					Middle	5.0	0.1	67	18.0	8.0	8.0	34.1	34.1	99.4	99.5	7.7	7.7	6.1	7.7	5							
						5.0	0.1	74	18.0	8.0	8.0	34.1	34.1	99.6	99.5	7.7	7.7	6.0	7.7	5							
					Bottom	9.0	0.1	63	18.1	8.0	8.0	34.0	34.0	100.7	100.8	7.8	7.8	7.0	7.8	6							
						9.0	0.2	65	18.1	8.0	8.0	34.0	34.0	100.8	100.8	7.8	7.8	7.1	7.8	7							
IM12	Misty	Calm	15:15	9.0	Surface	1.0	0.1	75	18.1	18.1	8.0	8.0	34.2	34.2	100.5	100.6	7.8	7.8	1.0	7.8	6	5	821141	811522			
						1.0	0.0	77	18.1	8.0	8.0	34.2	34.2	100.7	100.6	7.8	7.8	1.0	7.8	5							
					Middle	4.5	0.1	78	18.1	8.0	8.0	34.2	34.1	101.2	101.3	7.8	7.8	1.9	7.8	4							
						4.5	0.1	80	18.1	8.0	8.0	34.1	34.1	101.4	101.3	7.8	7.8	1.8	7.8	6							
					Bottom	8.0	0.1	96	18.1	8.0	8.0	34.1	34.2	101.9	102.0	7.9	7.9	2.7	7.9	5							
						8.0	0.1	94	18.1	8.0	8.0	34.2	34.2	102.1	102.0	7.9	7.9	2.6	7.9	4							
SR1A	Misty	Calm	15:34	5.2	Surface	1.0	0.0	41	18.2	18.2	7.9	7.9	34.2	34.2	96.8	96.8	7.4	7.4	4.7	7.4	5	6	819974	812654			
						1.0	0.0	37	18.2	7.9	7.9	34.2	34.2	96.8	96.8	7.4	7.4	4.7	7.4	6							
					Middle	2.6	0.0	31	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						2.6	0.0	29	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	4.2	0.0	37	18.2	7.9	7.9	34.2	34.2	96.8	96.8	7.4	7.4	5.7	7.4	6							
						4.2	0.0	41	18.2	7.9	7.9	34.2	34.2	96.8	96.8	7.4	7.4	5.7	7.4	6							
SR2	Misty	Calm	15:45	4.8	Surface	1.0	0.1	72	18.3	18.3	7.9	7.9	34.0	34.0	99.6	99.7	7.7	7.7	3.4	7.7	6	6	821478	814171			
						1.0	0.2	69	18.3	7.9	7.9	33.9	34.0	99.8	99.7	7.7	7.7	3.4	7.7	7							
					Middle	-	0.1	47	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	0.1	51	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	3.8	0.1	68	18.5	8.0	8.0	33.9	33.8	100.6	100.7	7.7	7.7	4.1	7.7	5							
						3.8	0.1	72	18.5	8.0	8.0	33.8	33.8	100.8	100.7	7.7	7.7	4.1	7.7	4							
SR3	Cloudy	Rough	15:17	9.0	Surface	1.0	0.0	42	17.6	17.6	8.0	8.0	31.4	31.4	95.2	95.2	7.5	7.5	4.4	7.5	6	9	822138	807568			
						1.0	0.0	35	17.6	8.0	8.0	31.5	31.4	95.2	95.2	7.5	7.5	4.5	7.5	7							
					Middle	4.5	0.1	55	17.6	8.0	8.0	31.7	31.7	95.2	95.2	7.5	7.5	6.1	7.5	9							
						4.5	0.0	53	17.6	8.0	8.0	31.7	31.7	95.2	95.2	7.5	7.5	6.5	7.5	9							
					Bottom	8.0	0.0	28	17.6	8.0	8.0	31.9	31.9	95.6	95.7	7.5	7.5	8.3	7.5	11							
						8.0	0.0	21	17.6	8.0	8.0	31.9	31.9	95.7	95.7	7.5	7.5	8.2	7.5	10							
SR4A	Cloudy	Rough	16:54	9.2	Surface	1.0	0.0	13	17.9	17.9	8.0	8.0	32.1	32.1	96.4	96.4	7.6	7.6	8.7	7.6	5	6	817194	807825			
						1.0	0.1	6	17.9	8.0	8.0	32.1	32.1	96.4	96.4	7.6	7.6	8.8	7.6	6							
					Middle	4.6	0.0	6	17.9	8.0	8.0	32.1	32.1	96.2	96.2	7.5	7.5	9.0	7.5	6							
						4.6	0.0	8	17.9	8.0	8.0	32.1	32.1	96.2	96.2	7.5	7.5	9.1	7.5	6							
					Bottom	8.2	0.0	5	17.9	8.0	8.0	32.1	32.1	96.2	96.2	7.5	7.5	9.0	7.5	6							
						8.2	0.0	0	17.9	8.0	8.0	32.1	32.1	96.2	96.2	7.5	7.5	9.0	7.5	7							
SR8	Misty	Calm	15:19	5.4	Surface	1.0	-	-	18.1	18.1	8.0	8.0	34.2	34.2	101.2	101.4	7.8	7.8	1.3	7.8	6	6	820384	811612			
						1.0	-	-	18.1	8.0	8.0	34.2	34.2	101.5	101.4	7.8	7.8	1.4	7.8	7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	4.4	-	-	18.1	8.0	8.0	34.1	34.1	102.1	102.2	7.9	7.9	2.5	7.9	5							
						4.4	-	-	18.1	8.0	8.0	34.1	34.1	102.2	102.2	7.9	7.9	2.5	7.9	4							

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 12 January 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	11:12	8.2	Surface	1.0	0.3	46	17.6	17.6	7.9	7.9	32.1	32.1	95.9	95.9	7.6	7.6	7.6	9.1	9.2	5	4	815634	804249	
						1.0	0.3	47	17.6	7.9	7.9	32.1	32.1	95.9	95.9	7.6	7.6	7.6	9.1							
					Middle	4.1	0.3	17	17.6	17.6	7.9	7.9	32.1	32.1	95.8	95.8	7.5	7.5	7.5	9.5	9.2	4				
						4.1	0.4	16	17.6	17.6	7.9	7.9	32.1	32.1	95.8	95.8	7.5	7.5	7.5	9.6						
					Bottom	7.2	0.4	8	17.6	17.6	7.9	7.9	32.0	32.0	96.0	96.0	7.6	7.6	7.6	9.0	7.6	3				
						7.2	0.4	13	17.6	17.6	7.9	7.9	32.0	32.0	96.0	96.0	7.6	7.6	7.6	8.8	7.6	4				
C2	Cloudy	Rough	12:36	11.8	Surface	1.0	0.3	345	17.6	17.6	8.0	8.0	31.4	31.4	94.6	94.6	7.5	7.5	7.5	2.6	3.7	6	825691	806931		
						1.0	0.3	337	17.6	17.6	8.0	8.0	31.4	31.4	94.5	94.5	7.5	7.5	7.5	2.6						
					Middle	5.9	0.3	3	17.6	17.6	8.0	8.0	31.4	31.4	94.4	94.4	7.5	7.5	7.5	2.7					7.5	6
						5.9	0.3	359	17.6	17.6	8.0	8.0	31.4	31.4	94.4	94.4	7.5	7.5	7.5	2.7						
					Bottom	10.8	0.3	15	17.6	17.6	8.0	8.0	31.4	31.4	94.2	94.2	7.5	7.5	7.5	5.4					7.5	6
						10.8	0.4	11	17.6	17.6	8.0	8.0	31.4	31.4	94.2	94.2	7.5	7.5	7.5	5.9					7.5	7
C3	Rainy	Moderate	11:37	11.8	Surface	1.0	0.4	251	18.0	18.0	8.0	8.0	34.6	34.6	91.7	91.7	7.1	7.1	7.1	2.1	2.8	6	822088	817785		
						1.0	0.4	249	18.0	18.0	8.0	8.0	34.6	34.6	91.7	91.7	7.1	7.1	7.1	2.2						
					Middle	5.9	0.4	245	18.0	18.0	8.0	8.0	34.6	34.6	91.7	91.7	7.1	7.1	7.1	2.9					7.1	6
						5.9	0.4	244	18.0	18.0	8.0	8.0	34.6	34.6	91.7	91.7	7.1	7.1	7.1	2.9						
					Bottom	10.8	0.4	257	18.0	18.0	8.0	8.0	34.6	34.6	91.8	91.8	7.1	7.1	7.1	3.5					7.1	4
						10.8	0.4	256	18.0	18.0	8.0	8.0	34.6	34.6	91.8	91.8	7.1	7.1	7.1	3.5						
IM1	Cloudy	Moderate	11:35	6.9	Surface	1.0	0.2	14	17.6	17.6	8.0	8.0	32.0	32.0	95.4	95.4	7.5	7.5	7.5	10.1	9.0	5	818335	806450		
						1.0	0.2	12	17.6	17.6	8.0	8.0	32.0	32.0	95.4	95.4	7.5	7.5	7.5	10.0						
					Middle	3.5	0.2	20	17.5	17.5	8.0	8.0	32.0	31.9	95.5	95.5	7.5	7.5	7.5	8.6					7.5	5
						3.5	0.3	16	17.5	17.5	8.0	8.0	31.9	31.9	95.5	95.5	7.5	7.5	7.5	8.9						
					Bottom	5.9	0.2	9	17.6	17.6	8.0	8.0	31.9	31.9	95.9	96.0	7.6	7.6	7.6	8.6					7.6	5
						5.9	0.2	2	17.6	17.6	8.0	8.0	31.9	31.9	96.0	96.0	7.6	7.6	7.6	8.1						
IM2	Cloudy	Moderate	11:39	7.3	Surface	1.0	0.2	15	17.6	17.6	8.0	8.0	31.9	31.9	96.2	96.2	7.6	7.6	7.6	8.6	9.7	6	819188	806252		
						1.0	0.2	20	17.6	17.6	8.0	8.0	31.9	31.9	96.2	96.2	7.6	7.6	7.6	8.7						
					Middle	3.7	0.3	28	17.5	17.5	8.0	8.0	31.9	31.9	96.3	96.3	7.6	7.6	7.6	9.5					7.6	6
						3.7	0.3	21	17.5	17.5	8.0	8.0	31.9	31.9	96.3	96.3	7.6	7.6	7.6	9.6						
					Bottom	6.3	0.3	24	17.5	17.5	8.0	8.0	31.9	31.9	96.6	96.6	7.6	7.6	7.6	10.8					7.6	6
						6.3	0.2	18	17.5	17.5	8.0	8.0	31.9	31.9	96.6	96.6	7.6	7.6	7.6	10.9						
IM7	Cloudy	Rough	12:00	7.7	Surface	1.0	0.2	359	17.5	17.5	8.0	8.0	31.4	31.4	96.0	96.0	7.6	7.6	7.6	4.5	4.5	5	821338	806845		
						1.0	0.2	359	17.5	17.5	8.0	8.0	31.4	31.4	96.0	96.0	7.6	7.6	7.6	4.5						
					Middle	3.9	0.2	2	17.5	17.5	8.0	8.0	31.4	31.4	96.0	96.0	7.6	7.6	7.6	4.7					7.6	5
						3.9	0.2	356	17.5	17.5	8.0	8.0	31.4	31.4	96.0	96.0	7.6	7.6	7.6	4.7						
					Bottom	6.7	0.2	4	17.5	17.5	8.0	8.0	31.4	31.4	96.4	96.4	7.6	7.6	7.6	4.4					7.6	5
						6.7	0.2	5	17.5	17.5	8.0	8.0	31.4	31.4	96.4	96.4	7.6	7.6	7.6	4.4						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 12 January 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	Rainy	Moderate	12:46	9.0	Surface	1.0	0.2	323	18.0	18.0	7.9	7.9	34.2	34.2	97.8	97.9	7.5	7.6	4.4	5.5	6	7	822244	809846				
						1.0	0.2	318	18.0		7.9		34.2		98.0		7.6		4.4		6							
					Middle	4.5	0.2	303	18.0	7.9	7.9	34.2	34.2	98.7	98.8	7.6	7.6	5.1	6									
						4.5	0.2	300	18.0	7.9	34.2	34.2	98.9	98.8	7.6	7.6	5.2	7										
					Bottom	8.0	0.2	303	18.1	7.9	7.9	34.1	34.1	100.6	100.7	7.8	7.8	6.9	7									
						8.0	0.1	300	18.1	7.9	34.1	34.1	100.8	100.7	7.8	7.8	7.0	8										
IM11	Rainy	Moderate	12:36	7.6	Surface	1.0	0.2	292	18.0	18.0	7.9	7.9	34.2	34.2	99.0	99.2	7.6	7.7	3.9	4.3	6	6	821512	810532				
						1.0	0.2	289	18.0		7.9		34.2		99.3		7.7		3.8		6							
					Middle	3.8	0.2	294	18.0	7.9	7.9	34.2	34.2	99.9	100.0	7.7	7.7	4.0	6									
						3.8	0.3	291	18.0	7.9	34.2	34.2	100.1	100.0	7.7	7.7	4.0	6										
					Bottom	6.6	0.2	302	18.0	7.9	7.9	34.2	34.2	100.8	100.9	7.8	7.8	5.1	6									
						6.6	0.2	298	18.0	7.9	34.2	34.2	101.0	100.9	7.8	7.8	5.2	6										
IM12	Rainy	Moderate	12:33	7.4	Surface	1.0	0.2	272	18.0	18.0	7.9	7.9	34.2	34.2	98.0	98.1	7.6	7.6	1.4	2.5	6	7	821176	811502				
						1.0	0.2	265	18.0		7.9		34.2		98.2		7.6		1.5		6							
					Middle	3.7	0.2	291	18.0	7.9	7.9	34.2	34.1	98.9	99.1	7.6	7.6	2.6	6									
						3.7	0.2	289	18.1	7.9	34.1	34.1	99.2	99.1	7.7	7.7	2.6	7										
					Bottom	6.4	0.3	265	18.1	7.9	7.9	34.1	34.1	100.1	100.2	7.7	7.7	3.4	7									
						6.4	0.3	271	18.1	7.9	34.1	34.1	100.3	100.2	7.7	7.7	3.4	8										
SR1A	Rainy	Moderate	12:12	4.0	Surface	1.0	0.0	183	18.1	18.1	7.9	7.9	34.2	34.2	99.3	99.5	7.6	7.7	8.7	9.1	5	5	819973	812665				
						1.0	0.0	184	18.1		7.9		34.2		99.6		7.7		8.7		5							
					Middle	2.0	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.0	-	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.0	0.0	179	18.2	7.9	7.9	34.2	33.8	100.5	100.7	7.7	7.8	9.4	4									
						3.0	0.1	185	18.2	7.9	7.9	33.5	33.8	100.8	100.7	7.8	7.8	9.5	4									
SR2	Rainy	Moderate	12:01	4.6	Surface	1.0	0.1	256	18.0	18.0	8.0	8.0	34.1	34.1	97.5	97.6	7.5	7.5	3.7	4.0	4	5	821472	814149				
						1.0	0.1	249	18.0		8.0		34.1		97.6		7.5		3.8		5							
					Middle	-	0.0	232	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	0.1	233	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.6	0.1	256	18.0	8.0	8.0	34.1	34.1	97.8	97.9	7.6	7.6	4.2	6									
						3.6	0.2	261	18.0	8.0	8.0	34.1	34.1	98.0	97.9	7.6	7.6	4.2	5									
SR3	Cloudy	Rough	12:07	8.9	Surface	1.0	0.3	349	17.5	17.5	8.0	8.0	31.4	31.4	95.4	95.4	7.6	7.6	4.1	4.0	6	6	822147	807577				
						1.0	0.2	343	17.5		8.0		31.4		95.4		7.6		4.1		5							
					Middle	4.5	0.3	346	17.5	8.0	8.0	31.5	31.5	95.4	95.5	7.6	7.6	4.0	5									
						4.5	0.2	347	17.5	8.0	31.5	31.5	95.5	95.5	7.6	7.6	4.0	6										
					Bottom	7.9	0.3	5	17.5	8.0	8.0	31.5	31.5	95.6	95.7	7.6	7.6	4.0	6									
						7.9	0.2	9	17.5	8.0	8.0	31.5	31.5	95.7	95.7	7.6	7.6	4.0	6									
SR4A	Cloudy	Moderate	10:46	8.8	Surface	1.0	0.0	226	17.7	17.7	8.0	8.0	31.5	31.5	95.1	95.1	7.5	7.5	5.9	5.9	6	5	817188	807790				
						1.0	0.0	219	17.7		8.0		31.5		95.0		7.5		5.9		5							
					Middle	4.4	0.0	229	17.6	8.0	8.0	31.5	31.5	94.6	94.6	7.5	7.5	5.9	5									
						4.4	0.0	228	17.6	8.0	31.5	31.5	94.6	94.6	7.5	7.5	6.0	6										
					Bottom	7.8	0.0	204	17.6	7.9	7.9	31.4	31.4	94.7	94.8	7.5	7.5	5.8	5									
						7.8	0.0	211	17.6	7.9	31.4	31.4	94.8	94.8	7.5	7.5	5.9	5										
SR8	Rainy	Moderate	12:28	5.4	Surface	1.0	-	-	18.2	18.2	7.9	7.9	34.1	34.1	100.0	100.2	7.7	7.7	2.2	2.8	4	5	820413	811624				
						1.0	-	-	18.2		7.9		34.1		100.3		7.7		2.2		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	4.4	-	-	18.3	18.3	7.9	7.9	34.0	34.0	101.2	101.4	7.8	7.8	3.1	3.5	6	6			6	6	6	
						4.4	-	-	18.3		7.9		34.0		101.5		7.8		3.5		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 January 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Foggy	Rough	18:24	8.5	Surface	1.0	0.2	225	17.8	8.1	8.1	32.5	32.5	94.2	94.2	7.3	7.3	8.1	9.0	3	2	815623	804266	
						1.0	0.2	225	17.8	8.1	8.1	32.5	32.5	94.1	94.1	7.3	7.3	8.2	3					
					Middle	4.3	0.3	195	17.8	8.1	8.1	32.5	32.5	93.9	93.9	7.3	7.3	8.3	2					
						4.3	0.3	199	17.8	8.1	8.1	32.5	32.5	93.9	93.9	7.3	7.3	8.5	2					
					Bottom	7.5	0.3	200	17.8	8.1	8.1	32.5	32.4	94.1	94.1	7.3	7.3	10.2	<2					
						7.5	0.3	197	17.8	8.1	8.1	32.4	32.4	94.1	94.1	7.3	7.3	10.4	<2					
C2	Foggy	Moderate	16:32	11.8	Surface	1.0	0.1	162	17.7	7.9	7.9	31.6	31.6	93.3	93.3	7.3	7.3	2.3	4.6	<2	3	825662	806961	
						1.0	0.1	164	17.7	7.9	7.9	31.6	31.6	93.3	93.3	7.3	7.3	2.4	<2					
					Middle	5.9	-	174	17.7	7.8	7.8	31.7	31.7	93.1	93.1	7.3	7.3	3.8	2					
						5.9	0.0	181	17.7	7.8	7.8	31.7	31.7	93.1	93.1	7.3	7.3	4.0	3					
					Bottom	10.8	0.0	173	17.7	7.8	7.8	31.7	31.7	93.2	93.2	7.3	7.3	7.3	3					
						10.8	0.0	172	17.7	7.8	7.8	31.7	31.7	93.2	93.2	7.3	7.3	7.6	3					
C3	Foggy	Moderate	18:08	11.9	Surface	1.0	0.2	94	18.0	8.0	8.0	32.2	32.2	91.8	91.9	7.2	7.2	4.3	4.8	3	3	822092	817793	
						1.0	0.2	88	18.1	8.0	8.0	32.2	32.2	91.9	91.9	7.2	7.2	4.3	3					
					Middle	6.0	0.2	95	18.2	8.0	8.0	32.1	32.1	92.5	92.6	7.2	7.2	4.8	2					
						6.0	0.2	90	18.2	8.0	8.0	32.1	32.1	92.7	92.7	7.2	7.2	4.8	3					
					Bottom	10.9	0.2	74	18.2	8.0	8.0	32.0	32.0	93.3	93.3	7.3	7.3	5.2	2					
						10.9	0.2	79	18.3	8.0	8.0	32.0	32.0	93.7	93.5	7.3	7.3	5.2	2					
IM1	Foggy	Moderate	17:47	6.4	Surface	1.0	0.1	177	17.8	8.2	8.2	32.3	32.3	94.1	94.1	7.4	7.3	9.3	9.5	2	2	818330	806444	
						1.0	0.1	169	17.8	8.2	8.2	32.3	32.3	94.1	94.1	7.3	7.3	9.4	2					
					Middle	3.2	0.1	188	17.8	8.2	8.2	32.3	32.3	94.0	94.0	7.3	7.3	9.6	2					
						3.2	0.1	185	17.8	8.2	8.2	32.3	32.3	94.0	94.0	7.3	7.3	9.5	2					
					Bottom	5.4	0.1	183	17.8	8.1	8.1	32.3	32.3	94.0	94.0	7.3	7.3	9.8	2					
						5.4	0.0	176	17.8	8.1	8.1	32.3	32.3	94.0	94.0	7.3	7.3	9.6	2					
IM2	Foggy	Moderate	17:40	6.9	Surface	1.0	0.1	167	17.8	8.1	8.1	32.4	32.4	93.5	93.5	7.3	7.3	8.4	10.2	<2	2	819192	806238	
						1.0	0.1	165	17.8	8.1	8.1	32.4	32.4	93.5	93.5	7.3	7.3	8.6	<2					
					Middle	3.5	0.1	190	17.8	8.1	8.1	32.4	32.4	93.7	93.7	7.3	7.3	10.4	2					
						3.5	0.1	189	17.8	8.1	8.1	32.4	32.4	93.7	93.7	7.3	7.3	10.6	2					
					Bottom	5.9	0.1	183	17.8	8.1	8.1	32.4	32.4	94.1	94.1	7.4	7.4	11.5	2					
						5.9	0.1	179	17.8	8.1	8.1	32.4	32.4	94.1	94.1	7.4	7.4	11.7	3					
IM7	Foggy	Moderate	17:22	8.1	Surface	1.0	0.1	120	17.8	8.1	8.1	32.1	32.1	94.1	94.1	7.4	7.4	6.0	6.6	3	2	821353	806857	
						1.0	0.1	118	17.8	8.1	8.1	32.1	32.1	94.1	94.1	7.4	7.4	6.3	2					
					Middle	4.1	0.1	109	17.9	8.1	8.1	32.2	32.2	94.2	94.3	7.4	7.4	6.6	2					
						4.1	0.1	112	17.8	8.1	8.1	32.2	32.2	94.3	94.3	7.4	7.4	6.7	3					
					Bottom	7.1	0.0	122	17.9	8.1	8.1	32.2	32.2	94.9	94.9	7.4	7.4	7.0	<2					
						7.1	0.0	121	17.9	8.1	8.1	32.2	32.2	94.9	94.9	7.4	7.4	7.0	<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 14 January 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	Foggy	Moderate	16:42	8.1	Surface	1.0	0.1	70	17.9	17.9	8.0	8.0	31.8	31.8	94.6	94.6	7.5	7.5	4.3	5.3	<2	3	822261	809827
						1.0	0.2	67	17.9		8.0	8.0	31.8	31.8	94.6	94.6	7.5		4.3		<2			
					Middle	4.1	0.2	62	17.9	17.9	8.0	8.0	31.8	31.8	94.6	94.6	7.5	7.5	5.3	2				
						4.1	0.1	59	17.9		8.0	8.0	31.8	31.8	94.6	94.6	7.5		5.3	3				
					Bottom	7.1	0.1	89	17.9	17.9	8.0	8.0	31.8	31.8	94.8	94.8	7.5	7.5	6.4	4				
						7.1	0.1	87	17.9		8.0	8.0	31.8	31.8	94.8	94.8	7.5		6.4	3				
IM11	Foggy	Moderate	17:13	8.2	Surface	1.0	0.2	94	17.9	17.9	8.0	8.0	31.7	31.7	96.4	96.4	7.6	7.6	9.0	8.8	<2	2	821511	810531
						1.0	0.2	90	17.9		8.0	8.0	31.7	31.7	96.4	96.4	7.6		9.0		<2			
					Middle	4.1	0.2	100	17.9	17.9	8.0	8.0	31.7	31.7	96.9	97.0	7.6	7.6	9.3	2				
						4.1	0.2	95	17.9		8.0	8.0	31.7	31.7	97.1	97.0	7.7		9.2	2				
					Bottom	7.2	0.2	101	18.0	18.0	8.0	8.0	31.6	31.6	98.2	98.3	7.7	7.7	8.2	2				
						7.2	0.2	105	18.0		8.0	8.0	31.7	31.6	98.3	98.3	7.7		8.2	2				
IM12	Foggy	Moderate	17:17	8.6	Surface	1.0	0.2	90	18.0	18.0	8.0	8.0	31.8	31.8	98.0	98.1	7.7	7.8	4.2	5.0	2	3	821179	811536
						1.0	0.2	92	18.0		8.0	8.0	31.8	31.8	98.2	98.1	7.7		4.2		2			
					Middle	4.3	0.2	92	18.0	18.0	8.0	8.0	31.8	31.8	98.7	98.8	7.8	7.8	5.0	3				
						4.3	0.2	87	18.0		8.0	8.0	31.8	31.8	98.9	98.8	7.8		5.0	3				
					Bottom	7.6	0.1	108	18.0	18.0	8.0	8.0	31.8	31.8	99.4	99.5	7.8	7.8	5.9	2				
						7.6	0.2	105	18.0		8.0	8.0	31.8	31.8	99.6	99.5	7.8		5.8	3				
SR1A	Foggy	Moderate	17:36	5.2	Surface	1.0	0.0	98	18.1	18.1	8.0	8.0	31.9	31.9	94.3	94.3	7.4	7.4	7.8	8.3	2	2	819976	812666
						1.0	0.0	92	18.1		8.0	8.0	31.9	31.9	94.3	94.3	7.4		7.8		2			
					Middle	2.6	0.0	99	-	-	-	-	-	-	-	-	-	-	-	-				
						2.6	0.0	91	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.2	0.0	69	18.1	18.1	8.0	8.0	31.8	31.8	94.3	94.3	7.4	7.4	8.9	3				
						4.2	0.1	63	18.1		8.0	8.0	31.8	31.8	94.3	94.3	7.4		8.9	2				
SR2	Foggy	Moderate	17:47	4.6	Surface	1.0	0.2	48	18.2	18.2	8.0	8.0	31.6	31.6	97.1	97.2	7.6	7.6	6.5	6.9	2	3	821463	814142
						1.0	0.2	54	18.2		8.0	8.0	31.6	31.6	97.3	97.2	7.6		6.5		2			
					Middle	-	0.2	30	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.2	28	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.6	0.2	62	18.4	18.4	8.0	8.0	31.5	31.5	98.1	98.2	7.7	7.7	7.3	3				
						3.6	0.2	63	18.4		8.0	8.0	31.4	31.5	98.3	98.2	7.7		7.3	3				
SR3	Foggy	Moderate	17:15	8.9	Surface	1.0	0.2	177	17.8	17.8	8.1	8.1	31.7	31.7	92.8	92.8	7.3	7.3	3.7	5.6	3	3	822156	807559
						1.0	0.2	180	17.8		8.1	8.1	31.7	31.7	92.8	92.8	7.3		3.7		2			
					Middle	4.5	0.1	157	17.8	17.8	8.1	8.1	31.9	32.0	92.8	92.8	7.3	7.3	5.4	3				
						4.5	0.1	154	17.8		8.1	8.1	32.0	32.0	92.8	92.8	7.3		5.7	2				
					Bottom	7.9	0.1	138	17.8	17.8	8.1	8.1	32.2	32.2	93.2	93.3	7.3	7.3	7.5	3				
						7.9	0.1	141	17.8		8.1	8.1	32.2	32.2	93.3	93.3	7.3		7.4	3				
SR4A	Foggy	Rough	19:00	9.0	Surface	1.0	0.1	339	18.1	18.1	8.1	8.1	32.4	32.4	94.0	94.0	7.3	7.3	7.9	8.2	2	3	817188	807824
						1.0	0.1	345	18.1		8.1	8.1	32.4	32.4	94.0	94.0	7.3		8.0		2			
					Middle	4.5	0.0	329	18.1	18.1	8.1	8.1	32.4	32.4	93.8	93.8	7.3	7.3	8.2	3				
						4.5	0.0	322	18.1		8.1	8.1	32.4	32.4	93.8	93.8	7.3		8.4	2				
					Bottom	8.0	0.0	349	18.1	18.1	8.1	8.1	32.4	32.4	93.8	93.8	7.3	7.3	8.2	3				
						8.0	0.0	341	18.1		8.1	8.1	32.4	32.4	93.8	93.8	7.3		8.2	3				
SR8	Foggy	Moderate	17:22	4.9	Surface	1.0	-	-	18.0	18.0	8.0	8.0	31.8	31.8	98.7	98.9	7.8	7.8	4.5	5.1	2	2	820393	811600
						1.0	-	-	18.0		8.0	8.0	31.8	31.8	99.0	99.0	7.8		4.5		2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.9	-	-	18.0	18.0	8.0	8.0	31.8	31.7	99.6	99.7	7.8	7.8	5.7	2				
						3.9	-	-	18.0		8.0	8.0	31.7	31.7	99.7	99.7	7.8		5.7	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 January 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Foggy	Moderate	11:43	8.3	Surface	1.0	0.2	42	17.8	17.8	8.1	8.1	32.4	32.4	93.5	93.5	7.3	7.3	8.4	8.4	2	2	815611	804257		
						1.0	0.2	42	17.8		8.1		32.4		93.5		7.3		8.3							
					Middle	4.2	0.3	22	17.8	17.8	8.0	8.0	32.4	32.4	93.4	93.4	7.3	7.3	8.7	7.3	8.8				7.3	2
						4.2	0.2	26	17.8		8.0		32.4		93.4		7.3		8.8							
					Bottom	7.3	0.3	41	17.8	17.8	8.0	8.0	32.3	32.3	93.6	93.6	7.3	7.3	8.2	7.3	8.2				7.3	<2
						7.3	0.3	39	17.8		8.0		32.3		93.6		7.3		8.1		<2					
C2	Foggy	Moderate	13:37	11.3	Surface	1.0	0.3	352	17.8	17.8	8.1	8.1	31.7	31.7	92.2	92.2	7.2	7.2	1.8	2.9	3	2	825673	806938		
						1.0	0.3	357	17.8		8.1		31.7		92.1		7.2		1.9							
					Middle	5.7	0.3	352	17.8	17.8	8.1	8.1	31.7	31.7	92.0	92.0	7.2	7.2	1.9	7.2	2					
						5.7	0.3	350	17.8		8.1		31.7		92.0		7.2		1.9							
					Bottom	10.3	0.3	330	17.8	17.8	8.1	8.1	31.7	31.7	91.8	91.8	7.2	7.2	4.7	7.2	5.2				7.2	2
						10.3	0.3	333	17.8		8.1		31.7		91.8		7.2		5.2		2					
C3	Foggy	Moderate	12:17	12.2	Surface	1.0	0.5	267	17.8	17.8	8.0	8.0	32.4	32.4	88.5	88.5	7.0	7.0	3.3	4.1	2	2	822086	817798		
						1.0	0.4	260	17.8		8.0		32.4		88.5		7.0		3.4							
					Middle	6.1	0.5	276	17.8	17.8	8.0	8.0	32.4	32.4	88.5	88.5	7.0	7.0	4.1	7.0	4.1				7.0	2
						6.1	0.4	275	17.8		8.0		32.4		88.5		7.0		4.1							
					Bottom	11.2	0.4	264	17.8	17.8	8.0	8.0	32.4	32.4	88.6	88.6	7.0	7.0	4.7	7.0	4.7				7.0	2
						11.2	0.4	262	17.8		8.0		32.4		88.6		7.0		4.7		2					
IM1	Foggy	Moderate	12:06	6.4	Surface	1.0	0.1	19	17.8	17.8	8.1	8.1	32.2	32.2	93.0	93.0	7.3	7.3	9.3	8.3	2	3	818361	806444		
						1.0	0.2	19	17.8		8.1		32.2		93.0		7.3		9.2							
					Middle	3.2	0.1	356	17.7	17.7	8.1	8.1	32.2	32.2	93.1	93.1	7.3	7.3	7.8	7.3	8.1				7.3	2
						3.2	0.1	354	17.7		8.1		32.2		93.1		7.3		8.1							
					Bottom	5.4	0.2	2	17.8	17.8	8.1	8.1	32.2	32.2	93.5	93.6	7.3	7.3	7.9	7.3	7.3				7.3	3
						5.4	0.1	0	17.8		8.1		32.2		93.6		7.3		7.3		4					
IM2	Foggy	Moderate	12:10	6.7	Surface	1.0	0.2	6	17.8	17.8	8.1	8.1	32.2	32.2	93.8	93.8	7.3	7.4	7.9	8.9	2	3	819196	806233		
						1.0	0.2	12	17.8		8.1		32.2		93.8		7.3		7.9							
					Middle	3.4	0.2	18	17.7	17.7	8.1	8.1	32.2	32.2	93.9	93.9	7.4	7.4	8.8	7.4	8.9				7.4	3
						3.4	0.2	16	17.7		8.1		32.2		93.9		7.4		8.9							
					Bottom	5.7	0.2	21	17.7	17.7	8.1	8.1	32.2	32.2	94.2	94.2	7.4	7.4	10.1	7.4	10.1				7.4	4
						5.7	0.1	21	17.7		8.1		32.2		94.2		7.4		10.2		3					
IM7	Foggy	Moderate	12:31	7.8	Surface	1.0	0.2	331	17.7	17.7	8.1	8.1	31.7	31.7	93.6	93.6	7.4	7.4	3.7	3.7	3	3	821334	806814		
						1.0	0.1	325	17.7		8.1		31.7		93.6		7.4		3.7							
					Middle	3.9	0.2	320	17.7	17.7	8.1	8.1	31.7	31.7	93.6	93.6	7.4	7.4	3.9	7.4	3.9				7.4	3
						3.9	0.1	326	17.7		8.1		31.7		93.6		7.4		3.9							
					Bottom	6.8	0.2	335	17.7	17.7	8.1	8.1	31.7	31.7	94.0	94.0	7.4	7.4	3.6	7.4	3.6				7.4	3
						6.8	0.2	334	17.7		8.1		31.7		94.0		7.4		3.6		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 14 January 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	Foggy	Moderate	13:26	8.6	Surface	1.0	0.3	285	17.8	17.8	8.0	8.0	32.0	32.0	94.6	94.7	7.4	7.5	5.7	6.7	2	3	822238	809834				
						1.0	0.3	284	17.8		8.0	8.0	32.0	32.0	94.8	94.7	7.5		5.6									
					Middle	4.3	0.2	311	17.8	17.8	8.0	8.0	32.0	32.0	95.5	95.6	7.5	7.7	6.3	7.7	3							
						4.3	0.2	316	17.8		8.0	8.0	32.0	32.0	95.7	95.6	7.5		6.4									
					Bottom	7.6	0.3	280	17.9	17.9	8.0	8.0	31.9	31.9	97.4	97.5	7.7	7.7	8.1	7.7	3							
						7.6	0.3	278	17.9		8.0	8.0	31.9	31.9	97.6	97.5	7.7		8.2									
IM11	Foggy	Moderate	13:16	7.8	Surface	1.0	0.4	275	17.8	17.8	8.0	8.0	32.0	32.0	95.8	95.9	7.5	7.6	5.1	5.6	2	2	821502	810562				
						1.0	0.4	279	17.8		8.0	8.0	32.0	32.0	96.1	96.8	7.6		5.1									
					Middle	3.9	0.4	281	17.8	17.8	8.0	8.0	32.0	32.0	96.7	96.8	7.6	7.7	5.2	7.7	2							
						3.9	0.4	287	17.8		8.0	8.0	32.0	32.0	96.9	96.8	7.6		5.3									
					Bottom	6.8	0.4	281	17.8	17.8	8.0	8.0	32.0	32.0	97.6	97.7	7.7	7.7	6.3	7.7	<2							
						6.8	0.4	284	17.8		8.0	8.0	32.0	32.0	97.8	97.7	7.7		6.4									
IM12	Foggy	Moderate	13:13	8.4	Surface	1.0	0.4	282	17.8	17.8	8.0	8.0	32.0	32.0	94.8	94.9	7.5	7.5	2.7	3.7	2	3	821169	811530				
						1.0	0.3	288	17.8		8.0	8.0	32.0	32.0	95.0	94.9	7.5		2.7									
					Middle	4.2	0.3	300	17.8	17.9	8.0	8.0	32.0	32.0	95.7	95.8	7.5	7.6	3.8	7.6	3							
						4.2	0.3	306	17.9		8.0	8.0	32.0	32.0	96.0	95.8	7.5		3.9									
					Bottom	7.4	0.4	289	17.9	17.9	8.0	8.0	31.9	31.9	96.9	97.0	7.6	7.6	4.6	7.6	5							
						7.4	0.3	291	17.9		8.0	8.0	31.9	31.9	97.1	97.0	7.6		4.6									
SR1A	Foggy	Moderate	12:52	5.2	Surface	1.0	0.0	215	17.9	17.9	7.9	7.9	32.1	32.1	96.1	96.2	7.6	7.6	9.9	10.3	2	3	819980	812665				
						1.0	0.0	208	17.9		7.9	7.9	32.1	32.1	96.4	96.2	7.6		9.9									
					Middle	2.6	0.0	192	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.6	0.0	197	-		-	-	-	-	-	-	-	-	-	-	-				-			
					Bottom	4.2	0.1	213	18.0	18.0	7.9	7.9	32.0	31.7	97.3	97.4	7.6	7.7	10.7	7.7	3							
						4.2	0.1	217	18.0		7.9	7.9	31.3	31.7	97.6	97.4	7.7		10.7									
SR2	Foggy	Moderate	12:41	4.6	Surface	1.0	0.1	228	17.8	17.8	8.0	8.0	32.0	32.0	94.3	94.3	7.4	7.4	5.0	5.2	3	3	821480	814142				
						1.0	0.1	224	17.8		8.0	8.0	32.0	32.0	94.4	94.3	7.4		5.0									
					Middle	-	0.1	216	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	0.1	209	-		-	-	-	-	-	-	-	-	-									
					Bottom	3.6	0.1	255	17.8	17.8	8.0	8.0	32.0	32.0	94.6	94.7	7.5	7.5	5.5	7.5	3							
						3.6	0.1	254	17.8		8.0	8.0	32.0	32.0	94.8	94.7	7.5		5.4									
SR3	Foggy	Moderate	12:53	8.6	Surface	1.0	0.3	343	17.7	17.7	8.1	8.1	31.7	31.7	93.0	93.0	7.3	7.3	3.3	3.3	3	3	822149	807560				
						1.0	0.3	343	17.7		8.1	8.1	31.7	31.7	93.0	93.0	7.3		3.4									
					Middle	4.3	0.2	323	17.7	17.7	8.1	8.1	31.7	31.7	93.0	93.1	7.3	7.3	3.3	7.3	2							
						4.3	0.2	329	17.7		8.1	8.1	31.7	31.7	93.1	93.1	7.3		3.3									
					Bottom	7.6	0.2	318	17.7	17.7	8.1	8.1	31.7	31.7	93.2	93.3	7.3	7.3	3.2	7.3	3							
						7.6	0.2	316	17.7		8.1	8.1	31.7	31.7	93.3	93.3	7.3		3.2									
SR4A	Foggy	Moderate	11:01	8.9	Surface	1.0	0.0	267	17.9	17.9	8.1	8.1	31.8	31.8	92.7	92.7	7.3	7.3	5.1	5.1	<2	2	817172	807791				
						1.0	0.0	272	17.9		8.1	8.1	31.8	31.8	92.6	92.7	7.3		5.1									
					Middle	4.5	0.1	272	17.8	17.8	8.1	8.1	31.8	31.8	92.2	92.2	7.2	7.3	5.2	7.3	2							
						4.5	0.1	271	17.8		8.1	8.1	31.8	31.8	92.2	92.2	7.2		5.2									
					Bottom	7.9	0.0	243	17.8	17.8	8.1	8.1	31.7	31.7	92.3	92.4	7.3	7.3	5.0	7.3	3							
						7.9	0.0	240	17.8		8.1	8.1	31.7	31.7	92.4	92.4	7.3		5.1									
SR8	Foggy	Moderate	13:08	4.9	Surface	1.0	-	-	18.0	18.0	8.0	8.0	32.0	32.0	96.8	96.9	7.6	7.6	3.4	4.0	2	3	820374	811599				
						1.0	-	-	18.0		8.0	8.0	31.9	32.0	97.1	96.9	7.6		3.4									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			
						-	-	-	-		-	-	-	-	-	-	-	-										
					Bottom	3.9	-	-	18.1	18.1	8.0	8.0	31.9	31.9	98.0	98.1	7.7	7.7	4.4	7.7	3							
						3.9	-	-	18.1		8.0	8.0	31.9	31.9	98.3	98.1	7.7		4.7									

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 17 January 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	08:27	8.6	Surface	1.0	0.2	206	16.5	16.5	7.9	7.9	31.7	31.7	98.1	98.2	7.9	8.0	6.2	6.2	5	5	815609	804255
						1.0	0.3	206	16.5		7.9		31.7		98.3		7.9				3.7			
					Middle	4.3	0.2	221	16.5	8.0	8.0	31.6	31.6	99.6	99.7	8.0	8.1	6.3	6.6	6	4			
						4.3	0.2	225	16.4	8.0	8.0	31.6	31.6	99.7	99.7	8.0	8.1	6.3	6.6	6	4			
					Bottom	7.6	0.2	194	16.4	8.0	8.0	31.5	31.5	100.1	100.1	8.1	8.1	8.3	8.6	5	6			
						7.6	0.3	187	16.4	8.0	8.0	31.5	31.5	100.1	100.1	8.1	8.1	8.3	8.6	5	6			
C2	Cloudy	Moderate	09:49	11.2	Surface	1.0	0.4	168	17.1	17.1	7.9	7.9	31.4	31.4	91.4	91.3	7.3	7.3	3.6	3.6	2	2	825673	806933
						1.0	0.4	164	17.1		7.9		31.4		91.1		7.3				0.7			
					Middle	5.6	0.3	177	17.4	7.9	7.9	31.8	31.9	91.2	91.4	7.2	7.2	0.6	0.6	2	2			
						5.6	0.4	184	17.4	7.9	7.9	31.9	31.9	91.5	91.4	7.2	7.2	0.6	0.6	2	2			
					Bottom	10.2	0.3	180	17.4	8.0	8.0	31.9	31.9	92.4	92.5	7.3	7.3	9.7	9.6	3	2			
						10.2	0.4	176	17.4	8.0	8.0	31.9	31.9	92.6	92.5	7.3	7.3	9.7	9.6	3	2			
C3	Misty	Calm	09:08	12.0	Surface	1.0	0.2	69	17.7	17.7	7.6	7.6	34.3	34.3	90.6	90.6	7.0	7.0	1.9	1.9	2	2	822114	817812
						1.0	0.2	73	17.7		7.6		34.3		90.6		7.0				1.1			
					Middle	6.0	0.1	74	17.8	7.6	7.6	34.4	34.4	90.8	90.9	7.0	7.0	1.7	1.7	2	2			
						6.0	0.1	72	17.8	7.6	7.6	34.4	34.4	90.9	90.9	7.0	7.0	1.7	1.7	2	2			
					Bottom	11.0	0.2	90	17.8	7.6	7.6	34.4	34.4	91.0	91.3	7.0	7.1	3.0	3.0	2	2			
						11.0	0.2	90	17.8	7.6	7.6	34.4	34.4	91.6	91.3	7.1	7.1	3.0	3.0	2	2			
IM1	Cloudy	Moderate	08:50	6.5	Surface	1.0	0.1	194	16.6	16.6	7.9	7.9	31.6	31.6	97.7	97.7	7.9	7.9	2.6	2.6	4	4	818350	806436
						1.0	0.1	193	16.6		7.9		31.6		97.7		7.9				2.9			
					Middle	3.3	0.2	181	16.6	7.9	7.9	31.6	31.6	97.7	97.7	7.9	7.9	2.2	2.2	4	5			
						3.3	0.2	184	16.6	7.9	7.9	31.6	31.6	97.7	97.7	7.9	7.9	2.2	2.2	4	5			
					Bottom	5.5	0.2	209	16.6	8.0	8.0	31.7	31.7	99.0	99.2	8.0	8.0	2.6	2.6	4	4			
						5.5	0.2	211	16.6	8.0	8.0	31.7	31.7	99.3	99.2	8.0	8.0	2.6	2.6	4	4			
IM2	Cloudy	Moderate	08:54	6.8	Surface	1.0	0.2	197	16.7	16.7	7.9	7.9	31.5	31.5	96.8	96.9	7.8	7.8	2.1	2.1	6	5	819189	806248
						1.0	0.2	200	16.7		7.9		31.5		96.9		7.8				1.9			
					Middle	3.4	0.2	200	16.7	7.9	7.9	31.6	31.6	97.6	97.7	7.8	7.8	2.0	2.0	6	5			
						3.4	0.2	202	16.7	7.9	7.9	31.6	31.6	97.7	97.7	7.9	7.9	2.0	2.0	5	5			
					Bottom	5.8	0.2	197	16.7	8.0	8.0	31.9	31.9	99.0	99.2	7.9	8.0	2.4	2.4	3	3			
						5.8	0.2	192	16.7	8.0	8.0	31.9	31.9	99.3	99.2	8.0	8.0	2.5	2.5	3	3			
IM7	Cloudy	Moderate	09:17	8.2	Surface	1.0	0.2	194	16.8	16.8	8.0	8.0	31.0	31.0	96.4	96.5	7.8	7.9	4.7	4.7	3	4	821366	806841
						1.0	0.2	188	16.8		8.0		31.0		96.5		7.8				1.4			
					Middle	4.1	0.2	193	16.8	8.0	8.0	31.1	31.1	97.9	98.2	7.9	7.9	1.7	1.7	4	4			
						4.1	0.2	197	16.8	8.0	8.0	31.1	31.1	98.4	98.2	7.9	7.9	1.7	1.7	4	4			
					Bottom	7.2	0.2	176	16.8	8.1	8.1	31.1	31.1	99.5	99.7	8.0	8.0	10.9	10.9	5	4			
						7.2	0.2	169	16.8	8.1	8.1	31.1	31.1	99.8	99.7	8.0	8.0	10.9	10.9	5	4			

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 17 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA			
IM10	Misty	Moderate	10:14	9.2	Surface	1.0	0.2	126	17.4	17.4	7.9	7.9	33.4	33.4	101.0	101.2	7.9	8.0	8.0	1.0	1.5	2	3	822236	809819				
						1.0	0.2	121	17.4		7.9		33.4		101.3		8.0					1.1				2			
					Middle	4.6	0.2	146	17.5	7.9	7.9	33.5	33.5	102.4	102.9	8.1	8.1	1.3	3										
						4.6	0.2	140	17.5	7.9	7.9	33.5	33.5	103.3	103.3	8.1	8.1	1.3	3										
					Bottom	8.2	0.2	121	17.4	7.9	7.9	33.6	33.6	110.0	110.3	8.6	8.7	2.2	4										
						8.2	0.2	116	17.2	7.9	7.9	33.5		110.5		8.7	8.7	2.2	3										
IM11	Misty	Calm	10:06	7.8	Surface	1.0	0.2	105	17.3	17.3	7.9	7.9	33.2	33.2	97.9	97.9	7.7	7.7	7.7	1.4	1.9	3	3	821496	810559				
						1.0	0.1	105	17.3		7.9		33.2		97.8		7.7					1.5				3			
					Middle	3.9	0.2	101	17.3	7.9	7.9	33.2	33.2	97.9	97.9	7.7	7.7	1.5	3										
						3.9	0.1	96	17.3	7.9	7.9	33.2	33.2	97.8	97.8	7.7	7.7	1.5	3										
					Bottom	6.8	0.2	99	17.4	7.9	7.9	33.6	33.6	100.1	101.3	7.8	7.9	2.7	2										
						6.8	0.2	103	17.4	7.9	7.9	33.5		102.5		8.0	8.0	2.6	3										
IM12	Misty	Calm	10:00	6.8	Surface	1.0	0.2	86	17.3	17.3	7.9	7.9	33.6	33.6	101.3	101.6	7.9	8.0	8.0	1.0	1.4	3	3	821166	811509				
						1.0	0.3	84	17.3		7.9		33.6		101.9		8.0					1.1				2			
					Middle	3.4	0.3	112	17.3	7.9	7.9	33.7	33.7	106.5	106.7	8.4	8.4	1.2	4										
						3.4	0.3	112	17.3	7.9	7.9	33.7	33.7	106.9	106.9	8.4	8.4	1.2	3										
					Bottom	5.8	0.2	79	17.2	7.9	7.9	33.7	33.7	107.7	108.5	8.5	8.6	2.0	4										
						5.8	0.2	77	17.3	7.9	7.9	33.7		109.3		8.6	8.6	2.0	3										
SR1A	Misty	Calm	09:40	5.6	Surface	1.0	0.1	46	17.4	17.4	7.8	7.8	33.6	33.6	93.5	93.5	7.3	7.3	7.3	1.9	2.3	3	3	819975	812657				
						1.0	0.0	49	17.4		7.8		33.6		93.4		7.3					1.8				2			
					Middle	2.8	0.0	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.8	0.0	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.6	0.0	80	17.4	7.8	7.8	33.6	33.6	92.8	92.8	7.3	7.3	2.7	3										
						4.6	0.0	83	17.5	7.8	7.8	33.7		92.7		7.2	7.3	2.7	3										
SR2	Misty	Calm	09:28	5.0	Surface	1.0	0.2	37	17.5	17.5	7.6	7.6	34.1	34.1	91.3	91.3	7.1	7.1	7.1	2.4	2.8	4	4	821471	814186				
						1.0	0.3	42	17.5		7.6		34.1		91.2		7.1					2.5				3			
					Middle	-	0.2	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.1	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.0	0.2	56	17.6	7.6	7.6	34.2	34.2	90.9	90.9	7.1	7.1	3.1	4										
						4.0	0.3	52	17.6	7.6	7.6	34.2		90.9		7.1	7.1	3.2	5										
SR3	Cloudy	Moderate	09:22	8.6	Surface	1.0	0.3	157	16.8	16.8	8.0	8.0	31.0	31.0	95.8	95.8	7.7	7.7	7.7	0.7	1.0	3	4	822152	807566				
						1.0	0.2	152	16.8		8.0		31.0		95.8		7.7					0.7				3			
					Middle	4.3	0.2	165	16.8	8.1	8.1	31.0	31.0	97.3	97.4	7.8	7.8	0.9	4										
						4.3	0.2	165	16.8	8.1	8.1	31.0	31.0	97.5	97.5	7.8	7.8	0.9	4										
					Bottom	7.6	0.3	142	16.8	8.2	8.2	31.0	31.0	98.3	98.4	7.9	7.9	1.5	5										
						7.6	0.2	138	16.8	8.2	8.2	31.0		98.5		7.9	7.9	1.6	4										
SR4A	Cloudy	Moderate	08:00	9.0	Surface	1.0	0.0	310	16.6	16.6	8.1	8.1	31.0	31.0	95.0	95.0	7.7	7.7	7.7	3.9	4.7	7	7	817167	807824				
						1.0	0.0	314	16.6		8.1		31.0		95.0		7.7					3.9				8			
					Middle	4.5	0.0	304	16.8	8.0	8.0	31.3	31.3	95.0	95.0	7.6	7.6	4.4	7										
						4.5	0.0	309	16.8	8.0	8.0	31.3	31.3	95.0	95.0	7.6	7.6	4.6	7										
					Bottom	8.0	0.0	318	16.9	8.0	8.0	31.4	31.4	95.1	95.1	7.6	7.6	5.8	7										
						8.0	0.0	314	16.9	8.0	8.0	31.4		95.1		7.6	7.6	5.8	6										
SR8	Misty	Calm	09:56	4.6	Surface	1.0	-	-	17.5	17.5	7.9	7.9	33.7	33.7	106.7	106.8	8.3	8.4	8.4	2.7	3.0	<2	2	820391	811608				
						1.0	-	-	17.4		7.9		33.7		106.9		8.4					2.6				<2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.6	-	-	17.3	7.9	7.9	33.7	33.4	107.8	108.2	8.5	8.5	3.4	2										
						3.6	-	-	17.4	7.9	7.9	33.0		108.6		8.5	8.5	3.5	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 17 January 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	14:01	8.4	Surface	1.0	0.2	46	16.7	16.7	8.1	8.1	32.1	32.1	99.5	99.5	8.0	8.1	2.0	5.8	3	2	815626	804266		
						1.0	0.1	43	16.7		8.1		32.1		99.5		8.0		2.0		3					
					Middle	4.2	0.3	36	16.7	16.7	8.1	8.1	32.1	32.1	101.7	101.8	8.1	8.2	6.2	8.2	2				8.2	2
						4.2	0.2	31	16.7		8.1		32.1		101.9		8.2		6.5		2					
					Bottom	7.4	0.2	55	16.7	16.7	8.1	8.1	32.1	32.1	102.4	102.6	8.2	8.2	9.1	8.2	2				8.2	2
						7.4	0.2	60	16.7		8.1		32.1		102.7		8.2		9.2		2					
C2	Cloudy	Moderate	12:41	11.6	Surface	1.0	0.1	346	17.1	17.2	7.8	7.8	31.4	31.4	92.3	91.2	7.4	7.2	1.1	3.7	3	3	825683	806923		
						1.0	0.1	345	17.2		7.8		31.5		90.0		7.2		1.2		2					
					Middle	5.8	0.1	349	17.4	17.4	7.8	7.8	31.9	31.9	89.7	89.8	7.1	7.3	4.7	7.3	3				7.3	3
						5.8	0.1	354	17.4		7.8		31.9		89.9		7.1		4.9		3					
					Bottom	10.6	0.1	359	17.4	17.4	7.8	7.8	31.9	31.8	91.8	92.0	7.3	7.3	5.1	7.3	3				7.3	3
						10.6	0.2	358	17.3		7.8		31.8		92.1		7.3		5.3		3					
C3	Misty	Calm	13:45	9.4	Surface	1.0	0.4	249	17.6	17.6	7.9	7.9	34.6	34.6	94.6	94.7	7.3	7.4	1.3	2.3	4	3	822116	817796		
						1.0	0.4	245	17.6		7.9		34.6		94.7		7.3		1.3		3					
					Middle	4.7	0.4	263	17.6	17.6	7.9	7.9	34.6	34.6	94.8	94.9	7.4	7.4	2.1	7.4	2				7.4	2
						4.7	0.4	263	17.6		7.9		34.6		94.9		7.4		2.2		3					
					Bottom	8.4	0.3	280	17.6	17.6	8.0	8.0	34.6	34.6	95.0	95.4	7.4	7.4	3.4	7.4	2				7.4	2
						8.4	0.2	287	17.6		8.0		34.6		95.7		7.4		3.3		2					
IM1	Cloudy	Moderate	13:39	6.4	Surface	1.0	0.1	9	16.6	16.6	8.1	8.1	31.8	31.8	99.1	99.1	8.0	8.0	1.5	1.7	2	2	818346	806478		
						1.0	0.1	13	16.6		8.1		31.8		99.1		8.0		1.5		2					
					Middle	3.2	0.1	3	16.6	16.6	8.1	8.1	31.8	31.8	99.7	99.8	8.0	8.0	1.7	8.0	2				8.0	3
						3.2	0.1	8	16.6		8.1		31.8		99.9		8.0		1.7		3					
					Bottom	5.4	0.1	29	16.6	16.6	8.1	8.1	31.7	31.7	101.2	101.3	8.1	8.2	2.0	8.2	2				8.2	2
						5.4	0.1	35	16.6		8.1		31.7		101.3		8.2		2.2		3					
IM2	Cloudy	Moderate	13:34	7.5	Surface	1.0	0.1	324	16.7	16.7	8.1	8.1	31.6	31.6	98.5	98.6	7.9	8.0	1.8	2.9	3	3	819185	806253		
						1.0	0.1	317	16.7		8.1		31.6		98.6		7.9		1.8		3					
					Middle	3.8	0.1	351	16.7	16.7	8.1	8.1	31.6	31.6	99.2	99.3	8.0	8.0	2.4	8.0	3				8.0	3
						3.8	0.1	348	16.7		8.1		31.7		99.4		8.0		2.7		3					
					Bottom	6.5	0.1	333	16.7	16.7	8.1	8.1	31.8	31.8	101.4	101.6	8.1	8.2	4.2	8.2	2				8.2	2
						6.5	0.0	331	16.7		8.1		31.8		101.7		8.2		4.4		2					
IM7	Cloudy	Moderate	13:16	7.7	Surface	1.0	0.1	273	16.8	16.8	8.0	8.0	31.0	31.0	96.8	96.9	7.8	7.9	0.9	1.1	6	6	821367	806814		
						1.0	0.0	267	16.8		8.0		31.0		96.9		7.8		0.9		6					
					Middle	3.9	0.1	293	16.8	16.8	8.0	8.0	31.0	31.0	97.6	97.7	7.9	7.9	1.1	7.9	6				7.9	6
						3.9	0.2	297	16.8		8.0		31.1		97.7		7.9		1.1		6					
					Bottom	6.7	0.1	278	16.8	16.8	8.1	8.1	31.1	31.1	100.0	100.2	8.1	8.1	1.4	8.1	7				8.1	7
						6.7	0.1	282	16.8		8.1		31.1		100.4		8.1		1.4		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

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Water Quality Monitoring

Water Quality Monitoring Results on 17 January 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Calm	12:35	8.2	Surface	1.0	0.1	242	17.2	17.2	7.9	7.9	33.4	33.4	99.3	99.4	7.8	7.9	3.8	4.6	2	3	822220	809834		
						1.0	0.1	237	17.2		7.9		33.4		99.5		7.8		3.7		2					
					Middle	4.1	0.1	262	17.2	17.2	7.9	7.9	33.5	33.5	99.9	100.0	7.9	7.9	4.8	7.9	3				7.9	3
						4.1	0.1	255	17.2		7.9		33.5		100.0		7.9		4.9		3					
					Bottom	7.2	0.1	251	17.1	17.1	7.9	7.9	33.6	33.4	100.1	100.1	7.9	7.9	5.3	7.9	3				7.9	3
						7.2	0.0	254	17.1		7.9		33.2		100.1		7.9		5.3		4					
IM11	Misty	Calm	12:45	9.0	Surface	1.0	0.2	259	17.3	17.3	8.0	8.0	33.2	33.2	105.3	105.5	8.3	8.4	1.3	2.4	<2	3	821484	810528		
						1.0	0.1	258	17.3		8.0		33.2		105.6		8.3		1.3		<2					
					Middle	4.5	0.2	247	17.3	17.3	8.0	8.0	33.2	33.2	106.6	106.8	8.4	8.6	2.2	8.6	2				8.6	3
						4.5	0.2	244	17.3		8.0		33.3		106.9		8.4		2.2		2					
					Bottom	8.0	0.2	273	17.3	17.4	8.0	8.0	33.3	33.2	107.8	108.5	8.5	8.6	3.6	8.6	3				8.6	3
						8.0	0.2	279	17.4		8.0		33.2		109.2		8.6		3.6		3					
IM12	Misty	Calm	12:51	9.2	Surface	1.0	0.1	267	17.4	17.4	7.9	7.9	33.7	33.7	98.0	98.0	7.7	7.7	1.0	1.4	2	3	821162	811537		
						1.0	0.1	269	17.4		7.9		33.8		98.0		7.7		1.1		2					
					Middle	4.6	0.2	275	17.4	17.4	7.9	7.9	33.8	33.8	98.4	98.5	7.7	7.7	1.2	7.7	3				7.7	3
						4.6	0.2	278	17.4		7.9		33.8		98.5		7.7		1.1		3					
					Bottom	8.2	0.2	296	17.4	17.4	7.9	7.9	33.8	33.8	98.8	98.9	7.7	7.7	2.0	7.7	4				7.7	3
						8.2	0.2	289	17.4		7.9		33.8		99.0		7.7		2.0		3					
SR1A	Misty	Calm	13:10	5.0	Surface	1.0	0.0	185	17.4	17.4	7.9	7.9	33.5	33.5	95.6	95.7	7.5	7.5	1.2	7.5	2	2	819976	812658		
						1.0	0.0	183	17.4		7.9		33.5		95.7		7.5		1.2		2					
					Middle	2.5	0.1	195	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.5	0.1	201	-		-		-		-		-		-		-					-
					Bottom	4.0	0.1	208	17.4	17.4	7.9	7.9	33.5	33.5	95.8	95.9	7.5	7.5	2.2	7.5	3				7.5	2
						4.0	0.0	202	17.4		7.9		33.5		95.9		7.5		2.3		2					
SR2	Misty	Calm	13:22	5.8	Surface	1.0	0.1	339	17.6	17.6	7.9	7.9	34.2	34.2	103.1	103.4	8.0	8.1	2.6	8.1	2	3	821476	814186		
						1.0	0.1	333	17.6		7.9		34.2		103.6		8.1		2.7		2					
					Middle	-	0.1	335	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.1	328	-		-		-		-		-		-		-					
					Bottom	4.8	0.1	338	17.6	17.6	7.9	7.9	34.1	34.1	106.0	106.6	8.2	8.3	3.9	8.3	4				8.3	4
						4.8	0.0	339	17.6		7.9		34.1		107.1		8.3		3.8		4					
SR3	Cloudy	Moderate	13:08	8.6	Surface	1.0	0.1	315	16.9	16.9	8.0	8.0	31.0	31.0	96.2	96.3	7.7	7.8	0.8	7.8	5	4	822146	807571		
						1.0	0.1	320	16.9		8.0		31.0		96.3		7.7		0.8		4					
					Middle	4.3	0.1	290	16.8	16.8	8.0	8.0	31.0	31.0	96.9	97.0	7.8	8.0	0.8	8.0	4				8.0	3
						4.3	0.1	283	16.8		8.0		31.0		97.0		7.8		0.8		3					
					Bottom	7.6	0.1	280	16.9	16.9	8.1	8.1	31.0	31.0	99.7	99.9	8.0	8.0	1.1	8.0	3				8.0	3
						7.6	0.1	285	16.9		8.1		31.0		100.0		8.0		1.2		2					
SR4A	Cloudy	Moderate	14:30	8.8	Surface	1.0	0.0	198	16.6	16.6	8.1	8.1	31.0	31.0	96.2	96.2	7.8	7.8	4.5	7.8	3	3	817188	807812		
						1.0	0.0	196	16.6		8.1		31.1		96.2		7.8		4.3		2					
					Middle	4.4	0.0	188	16.8	16.8	8.2	8.2	31.4	31.4	96.6	96.7	7.8	7.8	3.8	7.8	3				7.8	3
						4.4	0.0	190	16.8		8.2		31.4		96.7		7.8		3.9		3					
					Bottom	7.8	0.0	170	16.8	16.8	8.3	8.3	31.6	31.6	97.6	97.7	7.8	7.8	4.7	7.8	3				7.8	3
						7.8	0.0	172	16.8		8.3		31.6		97.7		7.8		4.7		3					
SR8	Misty	Calm	12:56	5.2	Surface	1.0	-	-	17.4	17.4	7.9	7.9	33.6	33.6	104.7	104.9	8.2	8.2	1.3	8.2	2	3	820372	811646		
						1.0	-	-	17.4		7.9		33.6		105.1		8.2		1.4		2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	4.2	-	-	17.4	17.4	7.9	7.9	33.2	33.3	106.7	107.6	8.4	8.5	2.4	8.5	3				8.5	3
						4.2	-	-	17.4		8.0		33.5		108.4		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 19 January 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	10:54	8.6	Surface	1.0	0.1	192	16.2	16.2	8.1	8.1	32.2	32.2	98.9	98.9	8.0	8.0	8.0	8.6	8.6	3	3	815629	804261
						1.0	0.0	190	16.2	8.1	8.1	32.2	32.2	98.8	98.8	8.0	8.0								
					Middle	4.3	0.1	201	16.1	16.1	8.1	8.1	32.3	32.3	98.5	98.6	8.0	8.0	8.0	8.6	8.6	3	3		
						4.3	0.1	198	16.1	16.1	8.1	8.1	32.3	32.3	98.6	98.6	8.0	8.0							
					Bottom	7.6	0.1	226	16.0	16.0	8.1	8.1	32.2	32.2	98.8	98.8	8.0	8.0	8.0	8.6	8.6	3	3		
						7.6	0.1	225	16.0	16.0	8.1	8.1	32.2	32.2	98.8	98.8	8.0	8.0							
C2	Cloudy	Moderate	12:21	11.2	Surface	1.0	0.2	166	16.5	16.5	8.1	8.1	31.7	31.7	97.7	97.8	7.9	7.9	8.0	2.4	2.4	3	3	825683	806948
						1.0	0.2	160	16.5	16.5	8.1	8.1	31.7	31.7	97.8	97.8	7.9	7.9							
					Middle	5.6	0.2	161	16.3	16.3	8.2	8.2	31.8	31.8	98.6	98.7	8.0	8.0	8.0	2.4	2.4	3	3		
						5.6	0.2	155	16.3	16.3	8.2	8.2	31.9	31.9	98.7	98.7	8.0	8.0							
					Bottom	10.2	0.2	187	16.2	16.2	8.3	8.3	31.9	31.9	99.2	99.3	8.0	8.0	8.1	2.4	2.4	3	3		
						10.2	0.2	191	16.2	16.2	8.3	8.3	31.9	31.9	99.4	99.3	8.1	8.1							
C3	Fine	Calm	11:06	11.8	Surface	1.0	0.2	93	17.3	17.3	7.9	7.9	34.7	34.7	98.1	98.1	7.6	7.6	7.7	5.3	5.3	3	3	822101	817819
						1.0	0.2	99	17.3	17.3	7.9	7.9	34.7	34.7	98.1	98.1	7.7	7.7							
					Middle	5.9	0.2	76	17.3	17.3	7.9	7.9	34.7	34.7	98.5	98.6	7.7	7.7	7.7	5.3	5.3	3	3		
						5.9	0.1	79	17.3	17.3	7.9	7.9	34.7	34.7	98.7	98.6	7.7	7.7							
					Bottom	10.8	0.2	58	17.3	17.3	7.9	7.9	34.7	34.7	99.4	99.5	7.7	7.7	7.8	5.3	5.3	3	3		
						10.8	0.1	64	17.3	17.3	7.9	7.9	34.7	34.7	99.6	99.5	7.8	7.8							
IM1	Cloudy	Moderate	11:19	6.6	Surface	1.0	0.1	182	16.2	16.2	8.1	8.1	32.1	32.1	100.2	100.2	8.1	8.1	8.1	3.8	3.8	3	3	818361	806443
						1.0	0.1	183	16.2	16.2	8.1	8.1	32.1	32.1	100.2	100.2	8.1	8.1							
					Middle	3.3	0.0	196	16.0	16.0	8.2	8.2	32.2	32.2	99.1	99.1	8.0	8.0	8.1	3.8	3.8	3	3		
						3.3	0.1	203	16.0	16.0	8.2	8.2	32.2	32.2	99.1	99.1	8.0	8.0							
					Bottom	5.6	0.1	196	16.0	16.0	8.2	8.2	32.2	32.2	99.7	99.8	8.1	8.1	8.1	3.8	3.8	3	3		
						5.6	0.1	201	16.0	16.0	8.2	8.2	32.2	32.2	99.9	99.8	8.1	8.1							
IM2	Cloudy	Moderate	11:24	7.1	Surface	1.0	0.1	168	16.2	16.2	8.1	8.1	32.1	32.1	100.2	100.2	8.1	8.1	8.1	3.1	3.1	3	3	819163	806253
						1.0	0.1	172	16.2	16.2	8.1	8.1	32.1	32.1	100.1	100.1	8.1	8.1							
					Middle	3.6	0.1	185	16.0	16.0	8.1	8.1	32.2	32.2	99.6	99.6	8.1	8.1	8.1	3.1	3.1	3	3		
						3.6	0.1	187	16.0	16.0	8.1	8.1	32.2	32.2	99.5	99.5	8.1	8.1							
					Bottom	6.1	0.1	171	16.0	16.0	8.1	8.1	32.3	32.3	99.7	99.8	8.1	8.1	8.1	3.1	3.1	3	3		
						6.1	0.1	175	16.0	16.0	8.1	8.1	32.3	32.3	99.8	99.8	8.1	8.1							
IM7	Cloudy	Moderate	11:45	7.3	Surface	1.0	0.1	168	16.3	16.3	8.1	8.1	32.1	32.1	100.4	100.4	8.1	8.1	8.1	2.0	2.0	3	3	821372	806843
						1.0	0.0	166	16.3	16.3	8.1	8.1	32.1	32.1	100.4	100.4	8.1	8.1							
					Middle	3.7	0.1	176	16.1	16.1	8.2	8.2	32.2	32.2	100.4	100.4	8.1	8.1	8.1	2.0	2.0	3	3		
						3.7	0.0	182	16.1	16.1	8.2	8.2	32.2	32.2	100.4	100.4	8.1	8.1							
					Bottom	6.3	0.1	180	16.1	16.1	8.2	8.2	32.2	32.2	101.0	101.0	8.2	8.2	8.2	2.0	2.0	3	3		
						6.3	0.0	182	16.1	16.1	8.2	8.2	32.2	32.2	101.1	101.1	8.2	8.2							

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									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Fine	Moderate	12:12	9.2	Surface	1.0	0.2	134	16.7	16.7	8.0	8.0	34.4	34.4	102.0	102.1	8.1	8.1	1.6	1.9	3	3	82244	809856		
						1.0	0.2	134	16.7		8.0	8.0	34.4	34.4	102.1	102.1	8.1		1.6		3					
					Middle	4.6	0.1	102	16.6	16.6	8.0	8.0	34.4	34.4	102.3	102.3	8.1	8.1	1.8	1.9	3					
						4.6	0.1	98	16.6		8.0	8.0	34.4	34.4	102.3	102.3	8.1		1.9		3					
					Bottom	8.2	0.1	140	16.6	16.6	8.0	8.0	34.4	34.4	102.8	102.9	8.1	8.2	2.3	2.3	4					
						8.2	0.1	140	16.6		8.0	8.0	34.4	34.4	103.0	102.9	8.2		2.3		3					
IM11	Fine	Calm	12:04	7.8	Surface	1.0	0.2	102	16.9	16.9	8.0	8.0	34.3	34.3	102.4	102.6	8.1	8.1	1.1	1.8	2	3	821520	810567		
						1.0	0.2	104	16.9		8.0	8.0	34.3	34.3	102.7	102.6	8.1		1.1		3					
					Middle	3.9	0.2	91	16.8	16.8	8.0	7.9	34.3	34.3	103.2	103.3	8.1	8.1	2.0	2.0	2					
						3.9	0.1	94	16.8		7.9	7.9	34.3	34.3	103.4	103.3	8.2		2.0		4					
					Bottom	6.8	0.1	85	16.8	16.9	7.9	7.9	34.3	34.2	104.3	104.7	8.2	8.3	2.4	2.3	4					
						6.8	0.2	89	16.9		7.9	7.9	34.2	34.2	105.0	104.7	8.3		2.3		3					
IM12	Fine	Calm	11:59	6.8	Surface	1.0	0.1	96	17.0	17.0	8.0	8.0	34.3	34.3	102.8	102.9	8.1	8.1	1.1	1.2	2	3	821179	811515		
						1.0	0.2	96	17.0		8.0	8.0	34.3	34.3	103.0	102.9	8.1		1.0		3					
					Middle	3.4	0.2	122	17.0	17.0	8.0	8.0	34.3	34.3	103.4	103.5	8.1	8.1	1.2	1.1	3					
						3.4	0.2	126	17.0		8.0	8.0	34.3	34.3	103.6	103.5	8.1		1.1		3					
					Bottom	5.8	0.2	100	17.0	17.0	7.9	7.9	34.3	34.3	104.3	104.6	8.2	8.2	1.2	1.3	3					
						5.8	0.2	105	17.0		7.9	7.9	34.3	34.3	104.8	104.6	8.2		1.3		3					
SR1A	Fine	Calm	11:38	5.4	Surface	1.0	0.0	100	17.0	17.0	7.9	7.9	34.1	34.1	103.5	103.8	8.1	8.2	1.3	2.0	3	4	819982	812664		
						1.0	0.0	100	17.0		7.9	7.9	34.2	34.1	104.0	103.8	8.2		1.4		4					
					Middle	2.7	0.0	86	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.7	0.0	85	-		-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	4.4	0.0	128	16.9	16.9	7.8	7.8	34.2	33.0	105.1	105.5	8.3	8.4	2.6	2.5	5					
						4.4	0.0	125	16.9		7.8	7.8	31.8	33.0	105.9	105.5	8.5		2.5		4					
SR2	Fine	Calm	11:26	5.2	Surface	1.0	0.1	40	17.0	17.0	7.9	7.9	34.4	34.4	102.0	102.2	8.0	8.0	2.2	2.8	4	4	821454	814167		
						1.0	0.1	41	17.0		7.9	7.9	34.4	34.4	102.3	102.2	8.0		2.2		3					
					Middle	-	0.1	34	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.2	40	-		-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	4.2	0.2	31	16.9	16.9	7.8	7.8	34.3	34.2	102.2	102.6	8.1	8.1	3.4	3.5	4					
						4.2	0.1	33	16.9		7.8	7.8	34.1	34.2	103.0	102.6	8.1		3.5		5					
SR3	Cloudy	Moderate	11:52	8.8	Surface	1.0	0.1	163	16.3	16.3	8.1	8.1	32.0	32.0	98.2	98.2	7.9	8.0	1.2	2.8	3	3	822130	807578		
						1.0	0.1	162	16.3		8.1	8.1	32.0	32.0	98.2	98.2	7.9		1.2		3					
					Middle	4.4	0.2	179	16.1	16.1	8.2	8.2	32.0	32.0	98.6	98.7	8.0	8.1	3.0	3.2	3					
						4.4	0.2	173	16.1		8.2	8.2	32.0	32.0	98.7	98.7	8.0		3.2		3					
					Bottom	7.8	0.1	145	16.0	16.0	8.2	8.2	32.0	32.0	99.6	99.7	8.1	8.1	4.0	4.1	2					
						7.8	0.2	147	16.0		8.2	8.2	32.0	32.0	99.8	99.7	8.1		4.1		3					
SR4A	Cloudy	Moderate	10:23	8.8	Surface	1.0	0.0	10	16.0	16.0	8.0	8.0	31.9	31.9	98.0	98.0	8.0	8.0	5.2	5.4	3	4	817175	807817		
						1.0	0.1	15	16.0		8.0	8.0	31.9	31.9	98.0	98.0	8.0		5.3		4					
					Middle	4.4	0.0	7	15.9	15.9	8.0	8.0	31.9	31.9	97.7	97.7	8.0	8.0	5.4	5.5	4					
						4.4	0.1	3	15.9		8.0	8.0	31.9	31.9	97.7	97.7	8.0		5.4		5					
					Bottom	7.8	0.0	346	15.9	15.9	8.0	8.0	31.9	31.9	97.7	97.7	8.0	8.0	5.5	5.6	4					
						7.8	0.0	346	15.9		8.0	8.0	31.9	31.9	97.6	97.7	8.0		5.6		5					
SR8	Fine	Calm	11:55	4.2	Surface	1.0	-	-	17.1	17.1	8.0	8.0	34.4	34.4	103.1	103.2	8.1	8.1	1.3	1.7	3	2	820412	811630		
						1.0	-	-	17.0		8.0	8.0	34.4	34.4	103.2	103.2	8.1		1.3		2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.2	-	-	16.9	17.0	7.9	7.9	34.3	34.3	104.0	104.3	8.2	8.2	2.1	2.1	2					
						3.2	-	-	17.0		7.9	7.9	34.4	34.3	104.6	104.3	8.2		2.1		2					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 19 January 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	15:40	8.5	Surface	1.0	0.2	37	16.5	16.5	8.1	8.1	32.1	32.1	100.8	100.8	8.1	8.1	4.1	4.6	4	3	815634	804229		
						1.0	0.2	36	16.5		8.1		32.1		100.7		8.1		4.2		3					
					Middle	4.3	0.2	22	16.3	16.3	8.1	8.1	32.2	32.2	99.6	99.6	8.0	8.0	4.7	8.1	4.8				8.1	4
						4.3	0.2	28	16.3		8.1		32.2		99.6		8.0		4.8		3					
					Bottom	7.5	0.2	19	16.3	16.3	8.1	8.1	32.2	32.2	100.1	100.1	8.1	8.1	4.8	8.1	4.8				8.1	3
						7.5	0.2	17	16.3		8.1		32.2		100.1		8.1		4.8		3					
C2	Cloudy	Moderate	14:18	11.6	Surface	1.0	0.1	338	16.6	16.6	8.0	8.0	31.8	31.8	98.4	98.5	7.9	8.0	1.7	2.0	4	4	825678	806964		
						1.0	0.1	335	16.6		8.0		31.8		98.6		7.9		1.7		5					
					Middle	5.8	-	336	16.1	16.1	8.0	8.0	32.1	32.1	98.8	98.8	8.0	8.0	2.2	8.1	2.2				8.1	3
						5.8	0.0	332	16.1		8.0		32.1		98.8		8.0		2.2		4					
					Bottom	10.6	0.1	0	16.1	16.1	8.0	8.0	32.1	32.1	99.2	99.3	8.1	8.1	2.1	8.1	2.1				8.1	3
						10.6	0.1	354	16.1		8.0		32.1		99.3		8.1		2.1		3					
C3	Fine	Calm	16:03	10.0	Surface	1.0	0.3	266	17.3	17.3	8.1	8.1	34.6	34.6	97.8	97.9	7.6	7.7	1.1	1.9	4	3	822102	817826		
						1.0	0.4	271	17.3		8.1		34.6		97.9		7.6		1.1		3					
					Middle	5.0	0.3	254	17.3	17.3	8.0	8.0	34.6	34.6	98.3	98.4	7.7	7.7	1.6	7.8	1.5				7.8	3
						5.0	0.4	252	17.3		8.0		34.6		98.5		7.7		3							
					Bottom	9.0	0.3	244	17.2	17.3	8.0	8.0	34.6	34.6	99.4	100.0	7.8	7.8	3.0	7.8	3.0				7.8	3
						9.0	0.3	243	17.3		8.0		34.6		100.5		7.8		3.0		3					
IM1	Cloudy	Moderate	15:16	6.1	Surface	1.0	0.1	41	16.5	16.5	8.0	8.0	32.1	32.1	101.1	101.1	8.1	8.1	4.1	6.6	3	3	818353	806463		
						1.0	0.1	40	16.5		8.0		32.1		101.0		8.1		4.1		3					
					Middle	3.1	0.1	46	16.3	16.3	8.0	8.0	32.2	32.2	99.5	99.4	8.0	8.0	6.3	8.0	6.7				8.0	3
						3.1	0.1	46	16.2		8.0		32.2		99.2		8.0		6.7		2					
					Bottom	5.1	0.0	36	16.1	16.1	8.0	8.0	32.2	32.2	99.2	99.3	8.0	8.0	9.3	8.0	9.1				8.0	2
						5.1	0.1	34	16.1		8.0		32.2		99.3		8.0		9.1		2					
IM2	Cloudy	Moderate	15:12	6.7	Surface	1.0	0.1	26	16.3	16.3	8.0	8.0	32.1	32.1	99.7	99.7	8.0	8.0	4.3	4.4	4	5	819205	806222		
						1.0	0.1	28	16.3		8.0		32.1		99.6		8.0		4.4		4					
					Middle	3.4	0.1	33	16.1	16.1	8.0	8.0	32.2	32.3	98.7	98.6	8.0	8.0	4.3	8.0	4.4				8.0	4
						3.4	0.1	37	16.1		8.0		32.3		98.5		8.0		4.4		5					
					Bottom	5.7	0.1	39	16.1	16.1	8.0	8.0	32.3	32.3	98.1	98.1	8.0	8.0	4.4	8.0	4.4				8.0	3
						5.7	0.1	44	16.1		8.0		32.3		98.1		7.9		4.4		6					
IM7	Cloudy	Moderate	14:53	7.8	Surface	1.0	0.1	310	16.1	16.1	8.1	8.1	32.2	32.2	100.0	100.0	8.1	8.1	2.4	2.7	4	4	821332	806814		
						1.0	0.0	314	16.1		8.2		32.2		100.0		8.1		2.4		4					
					Middle	3.9	0.1	300	16.1	16.1	8.2	8.2	32.2	32.2	100.1	100.1	8.1	8.1	2.6	8.2	2.6				8.2	4
						3.9	0.0	301	16.1		8.2		32.2		100.1		8.1		2.6		3					
					Bottom	6.8	0.0	312	16.1	16.1	8.3	8.3	32.2	32.2	100.8	100.9	8.2	8.2	3.1	8.2	3.1				8.2	3
						6.8	0.1	312	16.1		8.3		32.2		100.9		8.2		3.2		3					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 19 January 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	14:23	8.0	Surface	1.0	0.1	266	16.8	16.8	8.1	8.1	34.4	34.4	100.3	100.4	7.9	7.9	1.1	1.6	3	3	822261	809824
						1.0	0.1	267	16.8		8.1		34.4		100.4		7.9		1.1		2			
					Middle	4.0	0.1	270	16.8	8.0	8.0	34.4	34.4	100.7	100.8	7.9	1.3	3						
						4.0	0.1	263	16.8	8.0	8.0	34.4	34.4	100.9	100.8	8.0	1.3	4						
					Bottom	7.0	0.1	261	16.8	8.0	8.0	34.4	34.4	101.1	101.2	8.0	2.3	4						
						7.0	0.1	267	16.8	8.0	8.0	34.4	34.4	101.2	101.2	8.0	2.3	4						
IM11	Fine	Calm	15:05	9.2	Surface	1.0	0.2	274	16.8	16.8	8.0	8.0	34.4	34.4	102.2	102.3	8.1	8.1	1.1	1.8	2	3	821511	810552
						1.0	0.2	271	16.8		8.0		34.4		102.4		8.1		1.1		3			
					Middle	4.6	0.2	281	16.8	7.9	7.9	34.4	34.4	102.8	102.9	8.1	1.4	4						
						4.6	0.2	280	16.8	7.9	7.9	34.4	34.4	102.9	102.9	8.1	1.5	3						
					Bottom	8.2	0.2	282	16.8	7.9	7.9	34.3	34.3	103.8	103.9	8.2	3.0	4						
						8.2	0.2	281	16.8	7.9	7.9	34.3	34.3	104.0	103.9	8.2	2.9	4						
IM12	Fine	Calm	15:11	9.0	Surface	1.0	0.3	271	17.0	17.0	8.1	8.1	34.3	34.3	99.8	99.8	7.9	7.9	1.0	1.4	3	4	821161	811523
						1.0	0.2	275	17.0		8.1		34.3		99.8		7.9		1.0		3			
					Middle	4.5	0.2	279	17.0	8.1	8.1	34.3	34.3	99.9	100.0	7.9	1.2	4						
						4.5	0.3	285	17.0	8.1	8.1	34.3	34.3	100.0	100.0	7.9	1.2	3						
					Bottom	8.0	0.2	294	17.0	8.1	8.1	34.3	34.3	100.1	100.2	7.9	2.1	4						
						8.0	0.2	290	16.9	8.1	8.1	34.3	34.3	100.2	100.2	7.9	2.1	4						
SR1A	Fine	Calm	15:31	5.2	Surface	1.0	0.0	191	17.0	17.0	8.1	8.1	34.1	34.1	98.6	98.7	7.8	7.8	2.3	2.8	4	3	819983	812658
						1.0	0.0	191	17.0		8.1		34.1		98.7		7.8		2.3		3			
					Middle	2.6	0.0	205	-	-	-	-	-	-	-	-	-	-	-					
						2.6	0.0	206	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.2	0.0	220	17.0	8.0	8.0	34.1	34.1	99.6	99.7	7.8	3.3	3						
						4.2	0.0	218	17.0	8.0	8.0	34.1	34.1	99.7	99.7	7.8	3.3	3						
SR2	Fine	Calm	15:43	5.8	Surface	1.0	0.1	242	17.2	17.2	8.0	8.0	34.4	34.4	100.5	100.6	7.9	7.9	1.4	2.1	3	3	821449	814158
						1.0	0.1	235	17.2		8.0		34.4		100.6		7.9		1.4		3			
					Middle	-	0.1	264	-	-	-	-	-	-	-	-	-	-						
						-	0.1	265	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.8	0.1	251	17.2	8.0	8.0	34.4	34.2	101.6	101.8	8.0	2.8	4						
						4.8	0.1	244	17.2	8.0	8.0	34.0	34.2	101.9	101.8	8.0	2.8	3						
SR3	Cloudy	Moderate	14:46	8.5	Surface	1.0	0.1	290	16.5	16.5	8.0	8.0	31.9	31.9	98.1	98.1	7.9	8.0	1.2	2.4	6	4	822166	807564
						1.0	0.0	292	16.5		8.0		31.9		98.1		7.9		1.2		5			
					Middle	4.3	0.0	296	16.3	8.1	8.1	32.0	32.0	98.9	98.9	8.0	2.2	4						
						4.3	0.0	300	16.3	8.1	8.1	32.0	32.0	98.9	98.9	8.0	2.4	4						
					Bottom	7.5	0.1	309	16.1	8.2	8.2	32.2	32.2	98.7	98.7	8.0	3.7	3						
						7.5	0.1	306	16.1	8.2	8.2	32.2	32.2	98.7	98.7	8.0	3.6	4						
SR4A	Cloudy	Moderate	16:09	8.2	Surface	1.0	0.0	164	16.3	16.3	8.2	8.2	32.2	32.2	100.0	99.9	8.1	8.1	3.0	3.3	2	3	817212	807818
						1.0	0.0	171	16.3		8.2		32.2		99.8		8.1		3.0		3			
					Middle	4.1	0.1	164	16.1	8.2	8.2	32.2	32.2	99.3	99.3	8.0	3.4	3						
						4.1	0.1	157	16.1	8.2	8.2	32.2	32.2	99.3	99.3	8.1	3.4	3						
					Bottom	7.2	0.1	160	16.0	8.2	8.2	32.2	32.2	99.9	100.0	8.1	3.6	4						
						7.2	0.1	157	16.0	8.3	8.2	32.2	32.2	100.1	100.0	8.1	3.6	5						
SR8	Fine	Calm	15:15	5.2	Surface	1.0	-	-	17.0	17.0	8.0	8.0	34.3	34.3	101.9	102.0	8.0	8.0	1.4	1.7	3	3	820390	811635
						1.0	-	-	17.0		8.0		34.3		102.0		8.0		1.5		3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.2	-	-	17.0	8.0	8.0	34.3	34.3	102.5	102.6	8.1	1.9	3						
						4.2	-	-	17.0	8.0	8.0	34.3	34.3	102.7	102.6	8.1	1.9	4						

DA: Depth-Averaged

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	12:45	8.4	Surface	1.0	0.0	205	<u>16.8</u>	16.8	7.9	7.9	<u>34.0</u>	34.0	<u>100.3</u>	100.3	7.9	7.9	7.5	11	10	815630	804246	
						1.0	0.0	205	16.8	7.9	7.9	34.0	34.0	100.2	100.3	7.9	7.9	7.7	12					
					Middle	4.2	0.1	182	16.8	16.8	7.9	7.9	<u>34.1</u>	34.1	<u>100.5</u>	100.6	7.9	7.9	10.6	10				
						4.2	0.1	183	16.8	16.8	7.9	7.9	<u>34.1</u>	34.1	<u>100.6</u>	100.6	8.0	8.0	10.9	11				
					Bottom	7.4	0.1	200	16.9	16.9	7.8	7.8	<u>33.9</u>	33.9	<u>101.3</u>	101.4	8.0	8.0	12.2	7				
						7.4	0.1	206	16.9	16.9	7.8	7.8	<u>33.9</u>	33.9	<u>101.5</u>	101.4	8.0	8.0	12.4	8				
C2	Cloudy	Moderate	11:15	11.8	Surface	1.0	0.1	343	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.3</u>	99.3	7.9	7.9	5.1	8	7	825685	806933	
						1.0	0.1	350	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.2</u>	99.3	7.9	7.9	5.3	7				
					Middle	5.9	0.2	8	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.1</u>	99.1	7.8	7.8	6.4	7				
						5.9	0.2	4	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.1</u>	99.1	7.8	7.8	6.2	6				
					Bottom	10.8	0.1	14	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.4</u>	99.5	7.9	7.9	9.0	6				
						10.8	0.1	8	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.5</u>	99.5	7.9	7.9	9.4	6				
C3	Misty	Moderate	12:45	11.0	Surface	1.0	0.2	79	16.6	16.6	8.0	8.0	<u>32.0</u>	32.0	<u>96.6</u>	96.6	7.8	7.8	1.0	8	1.8	8	822087	817789
						1.0	0.2	85	16.6	16.6	8.0	8.0	<u>32.0</u>	32.0	<u>96.6</u>	96.6	7.8	7.8	1.0	10				
					Middle	5.5	0.2	67	16.6	16.6	8.0	8.0	<u>32.0</u>	32.0	<u>96.8</u>	96.9	7.8	7.8	1.7	8				
						5.5	0.2	64	16.6	16.6	8.0	8.0	<u>32.0</u>	32.0	<u>96.9</u>	96.9	7.8	7.8	1.7	8				
					Bottom	10.0	0.2	78	16.6	16.7	8.0	8.0	<u>32.0</u>	32.0	<u>97.2</u>	97.3	7.8	7.8	2.6	7				
						10.0	0.2	71	16.7	16.7	8.0	8.0	<u>32.0</u>	32.0	<u>97.3</u>	97.3	7.8	7.8	2.5	6				
IM1	Cloudy	Moderate	12:15	6.5	Surface	1.0	0.0	67	16.9	16.9	8.0	8.0	<u>33.8</u>	33.8	<u>101.9</u>	101.9	8.1	8.1	6.3	8	7.2	9	818374	806454
						1.0	0.1	59	16.8	16.8	8.0	8.0	<u>33.9</u>	33.8	<u>101.8</u>	101.9	8.1	8.1	6.4	7				
					Middle	3.3	0.0	81	16.8	16.8	8.0	8.0	<u>34.0</u>	34.0	<u>101.6</u>	101.6	8.0	8.0	6.9	8				
						3.3	0.0	87	16.8	16.8	8.0	8.0	<u>34.0</u>	34.0	<u>101.6</u>	101.6	8.0	8.0	7.0	9				
					Bottom	5.5	0.1	45	16.8	16.8	8.0	8.0	<u>34.0</u>	34.0	<u>101.9</u>	101.9	8.1	8.1	8.7	9				
						5.5	0.0	49	16.8	16.8	8.0	8.0	<u>34.0</u>	34.0	<u>101.9</u>	101.9	8.1	8.1	7.9	10				
IM2	Cloudy	Moderate	12:09	6.8	Surface	1.0	0.1	53	16.9	16.9	7.9	7.9	<u>33.8</u>	33.8	<u>102.0</u>	102.0	8.1	8.1	6.8	11	8.3	9	819178	806249
						1.0	0.1	54	16.9	16.9	7.9	7.9	<u>33.8</u>	33.8	<u>101.9</u>	102.0	8.1	8.1	7.1	10				
					Middle	3.4	0.1	48	16.8	16.8	7.9	7.9	<u>34.0</u>	34.0	<u>101.4</u>	101.4	8.0	8.0	8.0	9				
						3.4	0.1	48	16.8	16.8	7.9	7.9	<u>34.0</u>	34.0	<u>101.3</u>	101.4	8.0	8.0	8.3	8				
					Bottom	5.8	0.1	34	16.8	16.9	7.9	7.9	<u>34.0</u>	34.0	<u>101.2</u>	101.2	8.0	8.0	9.7	7				
						5.8	0.1	31	16.9	16.9	7.9	7.9	<u>34.0</u>	34.0	<u>101.2</u>	101.2	8.0	8.0	10.1	7				
IM7	Cloudy	Moderate	11:44	7.8	Surface	1.0	0.2	63	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>100.1</u>	100.1	7.9	7.9	3.0	8	4.0	6	821346	806833
						1.0	0.3	69	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>100.1</u>	100.1	7.9	7.9	3.2	8				
					Middle	3.9	0.2	53	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>99.9</u>	100.0	7.9	7.9	4.3	6				
						3.9	0.2	52	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>100.0</u>	100.0	7.9	7.9	4.4	7				
					Bottom	6.8	0.2	38	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>100.9</u>	101.0	8.0	8.0	4.6	4				
						6.8	0.2	38	16.7	16.7	7.9	7.9	<u>34.2</u>	34.2	<u>101.1</u>	101.0	8.0	8.0	4.5	4				

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 21 January 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	11:19	9.2	Surface	1.0	0.1	345	16.3	16.3	7.9	7.9	31.8	31.8	98.6	98.7	8.0	8.0	8.0	8.0	3.4	7	822263	809836			
						1.0	0.1	338	16.3	7.9	7.9	31.8	31.8	98.7	98.7	8.0	8.0	8.0	8.0	3.5	7						
					Middle	4.6	0.2	334	16.3	16.3	7.9	7.9	31.8	31.8	98.7	98.8	8.0	8.0	8.0	8.0	4.5	8					
						4.6	0.2	341	16.3	16.3	7.9	7.9	31.8	31.8	98.8	98.8	8.0	8.0	8.0	8.0	4.5	7					
					Bottom	8.2	0.1	328	16.3	16.3	7.9	7.9	31.8	31.8	98.9	98.9	8.0	8.0	8.0	8.0	5.9	9					
						8.2	0.1	332	16.3	16.3	7.9	7.9	31.8	31.8	98.9	98.9	8.0	8.0	8.0	8.0	6.0	8					
IM11	Misty	Moderate	11:42	8.8	Surface	1.0	0.0	14	16.7	16.8	7.9	7.9	31.6	31.5	101.0	101.1	8.1	8.1	8.1	8.1	2.1	8	821502	810544			
						1.0	0.0	6	16.8	16.8	7.9	7.9	31.5	31.5	101.2	101.1	8.1	8.1	8.1	8.1	2.1	7					
					Middle	4.4	0.1	0	16.9	16.9	7.9	7.9	31.4	31.4	101.6	101.7	8.1	8.1	8.1	8.1	3.2	8					
						4.4	0.1	4	16.9	16.9	7.9	7.9	31.4	31.4	101.7	101.7	8.1	8.1	8.1	8.1	3.3	9					
					Bottom	7.8	0.1	11	17.0	17.1	7.9	7.9	31.2	31.2	102.0	102.1	8.2	8.2	8.2	8.2	4.0	9					
						7.8	0.1	8	17.1	17.1	7.9	7.9	31.1	31.2	102.2	102.1	8.2	8.2	8.2	8.2	4.1	9					
IM12	Misty	Moderate	11:49	8.4	Surface	1.0	0.0	3	16.7	16.8	7.8	7.8	31.7	31.6	99.0	99.0	7.9	7.9	7.9	7.9	1.6	7	821159	811523			
						1.0	0.1	3	16.8	16.8	7.8	7.8	31.6	31.6	99.0	99.0	7.9	7.9	7.9	7.9	1.5	8					
					Middle	4.2	0.1	344	16.9	17.0	7.8	7.8	31.5	31.4	99.1	99.2	7.9	7.9	7.9	7.9	2.0	8					
						4.2	0.1	343	17.0	17.0	7.8	7.8	31.4	31.4	99.2	99.2	7.9	7.9	7.9	7.9	2.1	8					
					Bottom	7.4	0.1	7	17.2	17.3	7.8	7.8	31.2	31.1	99.3	99.3	7.9	7.9	7.9	7.9	2.5	9					
						7.4	0.1	13	17.3	17.3	7.8	7.8	31.1	31.1	99.2	99.3	7.9	7.9	7.9	7.9	2.5	10					
SR1A	Misty	Moderate	12:08	5.4	Surface	1.0	0.0	15	16.6	16.6	7.9	7.9	31.9	31.9	97.8	97.9	7.9	7.9	7.9	7.9	1.9	8	819970	812659			
						1.0	0.0	21	16.6	16.6	8.0	8.0	31.9	31.9	98.0	98.0	7.9	7.9	7.9	7.9	1.8	8					
					Middle	2.7	0.0	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8
						2.7	0.0	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8
					Bottom	4.4	0.0	4	16.6	16.6	8.0	8.0	31.9	31.9	98.7	98.8	7.9	7.9	7.9	7.9	2.9	8					
						4.4	0.0	356	16.6	16.6	8.0	8.0	31.9	31.9	98.9	98.8	7.9	7.9	7.9	7.9	2.9	7					
SR2	Misty	Moderate	12:19	4.8	Surface	1.0	0.1	114	16.6	16.6	8.0	8.0	32.0	32.0	101.1	101.2	8.1	8.1	8.1	8.1	2.8	8	821441	814163			
						1.0	0.1	118	16.6	16.6	8.0	8.0	32.0	32.0	101.2	101.2	8.1	8.1	8.1	8.1	2.9	8					
					Middle	-	0.1	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7
						-	0.0	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7
					Bottom	3.8	0.1	124	16.6	16.6	8.0	8.0	31.9	31.9	101.6	101.7	8.2	8.2	8.2	8.2	3.1	7					
						3.8	0.1	128	16.6	16.6	8.0	8.0	31.9	31.9	101.7	101.7	8.2	8.2	8.2	8.2	3.0	6					
SR3	Cloudy	Moderate	11:37	8.8	Surface	1.0	0.2	9	16.7	16.7	7.9	7.9	34.2	34.2	99.3	99.3	7.9	7.9	7.9	7.9	4.1	5	822154	807586			
						1.0	0.2	10	16.7	16.7	7.9	7.9	34.2	34.2	99.2	99.2	7.9	7.9	7.9	7.9	4.2	6					
					Middle	4.4	0.2	30	16.7	16.7	7.9	7.9	34.2	34.2	99.1	99.1	7.8	7.8	7.8	7.8	4.7	7					
						4.4	0.2	37	16.7	16.7	7.9	7.9	34.2	34.2	99.0	99.0	7.8	7.8	7.8	7.8	4.8	6					
					Bottom	7.8	0.2	16	16.7	16.7	7.9	7.9	34.2	34.2	99.0	99.0	7.8	7.8	7.8	7.8	5.7	7					
						7.8	0.2	18	16.7	16.7	7.9	7.9	34.2	34.2	99.0	99.0	7.8	7.8	7.8	7.8	5.7	6					
SR4A	Cloudy	Moderate	13:19	8.5	Surface	1.0	0.0	77	16.8	16.8	7.9	7.9	34.0	34.0	101.9	101.9	8.1	8.1	8.1	8.1	4.6	6	817193	807833			
						1.0	0.1	78	16.8	16.8	7.9	7.9	34.0	34.0	101.8	101.8	8.0	8.0	8.0	8.0	4.6	8					
					Middle	4.3	0.0	60	16.8	16.8	7.9	7.9	34.1	34.1	101.6	101.6	8.0	8.0	8.0	8.0	4.6	8					
						4.3	0.0	56	16.8	16.8	7.9	7.9	34.1	34.1	101.6	101.6	8.0	8.0	8.0	8.0	4.7	8					
					Bottom	7.5	0.0	77	16.8	16.8	7.9	7.9	34.1	34.1	102.0	102.1	8.1	8.1	8.1	8.1	4.6	9					
						7.5	0.0	79	16.8	16.8	7.9	7.9	34.1	34.1	102.1	102.1	8.1	8.1	8.1	8.1	4.7	10					
SR8	Misty	Moderate	11:53	5.4	Surface	1.0	-	-	16.7	16.7	7.8	7.8	31.7	31.6	101.1	101.3	8.1	8.1	8.1	8.1	1.8	9	820409	811613			
						1.0	-	-	16.7	16.7	7.8	7.8	31.6	31.6	101.4	101.4	8.1	8.1	8.1	8.1	1.7	10					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8
					Bottom	4.4	-	-	17.0	17.0	7.8	7.8	31.5	31.4	102.4	102.5	8.2	8.2	8.2	8.2	2.7	8					
						4.4	-	-	17.0	17.0	7.8	7.8	31.4	31.4	102.6	102.6	8.2	8.2	8.2	8.2	2.7	6					

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 21 January 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	08:05	8.3	Surface	1.0	0.5	35	16.7	16.7	8.0	8.0	33.4	33.4	101.2	101.2	8.0	8.0	5.3	7.2	9	10	815640	804238
						1.0	0.4	35	16.7		8.0		33.4		101.1		8.0		5.6		8			
					Middle	4.2	0.5	42	16.7	8.0	8.0	33.6	33.6	100.6	100.6	8.0	8.0	6.8	10					
						4.2	0.5	45	16.7	8.0	8.0	33.6		100.6		8.0	8.0	6.6	9					
					Bottom	7.3	0.4	37	16.7	16.7	8.0	8.0	34.1	34.1	98.6	98.7	98.7	7.8	7.8	7.8	9.0	11		
						7.3	0.4	35	16.7		8.0		8.0		34.1		98.7	7.8	7.8	10.0	10			
C2	Cloudy	Moderate	09:24	12.1	Surface	1.0	0.4	357	16.7	16.7	7.9	7.9	34.2	34.2	99.5	99.5	7.9	7.9	3.9	7.9	10	9	825675	806927
						1.0	0.4	359	16.7		7.9		7.9		34.2		99.4		7.9		7.9			
					Middle	6.1	0.4	337	16.7	7.9	7.9	34.2	34.2	99.3	99.3	7.9	7.9	8.1	9					
						6.1	0.4	341	16.7	7.9	7.9	34.2		99.3		7.9	7.9	8.3	8					
					Bottom	11.1	0.4	2	16.7	16.7	7.9	7.9	34.2	34.2	99.4	99.5	99.5	7.9	7.9	12.2	6			
						11.1	0.5	2	16.7		7.9		7.9		34.2		99.5	7.9	7.9	12.4	8			
C3	Misty	Moderate	08:11	11.6	Surface	1.0	0.6	258	16.6	16.6	7.9	7.9	31.0	31.0	99.4	99.5	8.0	8.1	4.9	5.8	9	10	822092	817798
						1.0	0.6	254	16.6		7.9		7.9		31.0		99.6		8.0		8.0			
					Middle	5.8	0.6	276	16.6	7.9	7.9	30.9	30.9	100.6	100.7	8.1	8.1	5.9	10					
						5.8	0.6	280	16.6	7.9	7.9	30.9		100.8		8.2	8.2	5.9	9					
					Bottom	10.6	0.6	277	16.6	16.6	7.9	7.9	30.7	30.6	101.7	101.8	101.8	8.2	8.3	6.7	11			
						10.6	0.5	281	16.6		7.9		7.9		30.6		101.9	8.3	8.3	6.8	10			
IM1	Cloudy	Moderate	08:28	6.5	Surface	1.0	0.3	22	16.7	16.7	7.9	7.9	34.1	34.1	100.3	100.3	7.9	7.9	9.6	10.9	12	13	818370	806454
						1.0	0.3	22	16.7		7.9		7.9		34.1		100.3		7.9		7.9			
					Middle	3.3	0.3	32	16.7	7.9	7.9	34.1	34.1	100.4	100.5	7.9	8.0	10.3	13					
						3.3	0.4	24	16.7	7.9	7.9	34.1		100.5		8.0	8.0	10.3	14					
					Bottom	5.5	0.3	14	16.7	16.7	7.8	7.8	34.2	34.2	101.9	102.1	102.1	8.1	8.1	12.7	14			
						5.5	0.3	19	16.7		7.8		7.8		34.2		102.2	8.1	8.1	12.8	15			
IM2	Cloudy	Moderate	08:34	6.8	Surface	1.0	0.3	27	16.7	16.7	7.9	7.9	33.9	33.9	100.6	100.6	8.0	8.0	9.0	9.0	11	12	819203	806232
						1.0	0.3	32	16.7		7.9		7.9		33.9		100.6		8.0		8.0			
					Middle	3.4	0.3	26	16.7	7.9	7.9	33.9	33.9	100.6	100.7	8.0	8.0	9.7	12					
						3.4	0.3	20	16.7	7.9	7.9	33.9		100.7		8.0	8.0	9.9	12					
					Bottom	5.8	0.3	356	16.7	16.7	7.8	7.8	33.9	33.9	101.8	101.9	101.9	8.1	8.1	8.5	12			
						5.8	0.3	355	16.7		7.8		7.8		33.9		101.9	8.1	8.1	8.2	13			
IM7	Cloudy	Moderate	08:54	7.6	Surface	1.0	0.3	12	16.8	16.8	8.0	8.0	34.1	34.1	100.2	100.2	7.9	7.9	2.1	1.9	7	6	821325	806831
						1.0	0.3	4	16.7		8.0		8.0		34.1		100.1		7.9		7.9			
					Middle	3.8	0.3	1	16.7	8.0	8.0	34.2	34.2	100.0	100.1	7.9	7.9	1.8	7					
						3.8	0.2	1	16.7	8.0	8.0	34.2		100.1		7.9	7.9	1.8	6					
					Bottom	6.6	0.3	6	16.7	16.7	8.0	8.0	34.2	34.2	100.7	100.8	100.8	8.0	8.0	1.6	6			
						6.6	0.2	11	16.7		8.0		8.0		34.2		100.8	8.0	8.0	1.7	5			

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 21 January 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	Misty	Moderate	09:16	9.6	Surface	1.0	0.3	288	16.4	16.4	7.8	7.8	31.8	31.8	99.7	99.8	8.1	8.1	8.1	1.3	2.7	9	9	822251	809845
						1.0	0.4	292	16.4		7.8		31.8		99.8		8.1					8			
					Middle	4.8	0.4	313	16.4	16.5	7.8	7.8	31.7	31.7	100.4	100.5	8.1	8.1	8.1	1.4	2.6	9			
						4.8	0.5	311	16.5		7.8		31.7		100.5		8.1					9			
					Bottom	8.6	0.4	302	16.5	16.6	7.8	7.8	31.6	31.6	101.0	101.1	8.1	8.1	8.1	4.3	4.3	10			
						8.6	0.3	309	16.6		7.8		31.6		101.1		8.1					10			
IM11	Misty	Moderate	09:11	9.0	Surface	1.0	0.5	274	16.4	16.4	7.9	7.9	31.8	31.8	99.9	100.0	8.1	8.1	8.1	3.0	4.3	7	8	821489	810532
						1.0	0.5	279	16.4		7.9		31.8		100.1		8.1					8			
					Middle	4.5	0.4	268	16.5	16.5	7.9	7.9	31.7	31.7	100.6	100.7	8.1	8.1	8.1	4.1	4.2	8			
						4.5	0.4	273	16.5		7.9		31.7		100.8		8.1					7			
					Bottom	8.0	0.5	284	16.5	16.6	7.9	7.9	31.7	31.6	101.1	101.2	8.2	8.2	8.2	5.8	5.7	10			
						8.0	0.4	287	16.6		7.9		31.6		101.2		8.2					9			
IM12	Misty	Moderate	09:06	6.2	Surface	1.0	0.4	297	16.4	16.4	7.9	7.9	31.8	31.8	99.4	99.5	8.0	8.0	8.1	1.5	2.6	10	9	821145	811534
						1.0	0.4	291	16.4		7.9		31.8		99.5		8.0					8			
					Middle	3.1	0.4	272	16.5	16.5	7.9	7.9	31.7	31.7	99.9	100.0	8.1	8.1	8.1	2.8	2.7	9			
						3.1	0.5	264	16.5		7.9		31.7		100.1		8.1					9			
					Bottom	5.2	0.5	298	16.5	16.5	7.9	7.9	31.6	31.6	100.4	100.5	8.1	8.1	8.1	3.4	3.4	8			
						5.2	0.5	291	16.5		7.9		31.6		100.6		8.1					8			
SR1A	Misty	Moderate	08:46	5.4	Surface	1.0	0.1	204	16.6	16.6	7.8	7.8	31.8	31.7	100.7	100.8	8.1	8.1	8.1	1.5	1.8	9	8	819980	812658
						1.0	0.0	210	16.6		7.8		31.7		100.8		8.1					10			
					Middle	2.7	0.0	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.7	0.0	224	-		-		-		-		-								
					Bottom	4.4	0.1	214	16.5	16.5	7.8	7.8	31.8	31.5	101.1	101.1	8.1	8.1	8.2	2.0	2.1	8			
						4.4	0.1	219	16.5		7.8		31.2		101.1		8.2					6			
SR2	Misty	Moderate	08:34	5.0	Surface	1.0	0.1	268	16.7	16.7	7.8	7.8	31.6	31.6	101.1	101.2	8.1	8.1	8.1	3.5	4.1	7	8	821441	814165
						1.0	0.2	271	16.7		7.8		31.6		101.3		8.1					8			
					Middle	-	0.1	263	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	259	-		-		-		-		-								
					Bottom	4.0	0.1	276	16.8	16.8	7.8	7.8	31.4	31.3	101.5	101.6	8.2	8.2	8.2	4.8	4.8	8			
						4.0	0.0	272	16.8		7.8		31.1		101.6		8.2					9			
SR3	Cloudy	Moderate	09:03	9.4	Surface	1.0	0.4	2	16.7	16.7	7.9	7.9	34.2	34.2	100.0	100.0	7.9	7.9	7.9	4.0	4.6	2	3	822146	807565
						1.0	0.4	359	16.7		7.9		34.2		100.0		7.9					3			
					Middle	4.7	0.4	347	16.7	16.7	7.9	7.9	34.2	34.2	100.3	100.4	7.9	8.0	8.0	4.8	4.8	3			
						4.7	0.4	352	16.7		7.9		34.2		100.5		8.0					3			
					Bottom	8.4	0.4	2	16.7	16.7	7.9	7.9	34.2	34.2	101.1	101.2	8.0	8.0	8.0	5.0	4.8	5			
						8.4	0.3	0	16.7		7.9		34.2		101.3		8.0					4			
SR4A	Cloudy	Moderate	07:44	9.0	Surface	1.0	0.0	237	16.7	16.7	7.8	7.8	34.3	34.3	98.9	98.9	7.8	7.8	7.8	5.9	6.1	10	10	817172	807816
						1.0	0.1	231	16.7		7.8		34.3		98.9		7.8					9			
					Middle	4.5	0.1	239	16.7	16.7	7.8	7.8	34.3	34.3	98.9	98.9	7.8	7.8	7.8	5.9	5.9	11			
						4.5	0.1	238	16.7		7.8		34.3		98.9		7.8					10			
					Bottom	8.0	0.0	261	16.7	16.7	7.8	7.8	34.3	34.3	98.8	98.9	7.8	7.8	7.8	6.4	6.3	10			
						8.0	0.0	254	16.7		7.8		34.3		98.9		7.8					11			
SR8	Misty	Moderate	09:01	4.6	Surface	1.0	-	-	16.3	16.3	7.9	7.9	31.8	31.8	100.3	100.3	8.1	8.1	8.1	1.4	1.9	8	9	820410	811644
						1.0	-	-	16.3		7.9		31.9		100.3		8.1					8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-		-		-		-								
					Bottom	3.6	-	-	16.4	16.4	7.9	7.9	31.8	31.8	100.7	100.8	8.1	8.1	8.1	2.3	2.3	9			
						3.6	-	-	16.4		7.9		31.7		100.8		8.1					9			

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 24 January 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	15:05	8.7	Surface	1.0	0.2	192	16.9	16.9	8.0	8.0	30.8	30.8	92.9	92.9	7.5	7.5	9.6	10.6	6	6	815601	804243										
						1.0	0.2	184	16.9	8.0	8.0	30.8	30.8	92.8	92.9	7.5	9.8		7															
					Middle	4.4	0.1	189	16.9	16.9	7.9	7.9	30.9	30.9	93.1	93.2	7.5		10.1		6													
						4.4	0.2	184	16.9	16.9	7.9	7.9	30.9	30.9	93.2	93.2	7.5		10.4		6													
					Bottom	7.7	0.2	187	17.0	17.0	7.9	7.9	30.7	30.7	93.9	94.0	7.6		11.8		6													
						7.7	0.3	187	17.0	17.0	7.9	7.9	30.7	30.7	94.1	94.0	7.6		12.0		5													
					C2	Cloudy	Moderate	13:35	11.1	Surface	1.0	0.1	26	16.8	16.8	8.0	8.0		30.9		30.9				91.9	91.9	7.4	7.4	4.7	6.5	9	7	825667	806955
											1.0	0.1	30	16.8	16.8	8.0	8.0		30.9		30.9				91.8	91.9	7.4		4.8		8			
Middle	5.6	0.0	16	16.8						16.8	8.0	8.0	30.9	30.9	91.7	91.7	7.4	6.4	6															
	5.6	0.0	12	16.8						16.8	8.0	8.0	30.9	30.9	91.7	91.7	7.4	5.8	6															
Bottom	10.1	0.1	5	16.8						16.8	8.0	8.0	30.9	30.9	92.0	92.1	7.5	8.6	6															
	10.1	0.1	4	16.8						16.8	8.0	8.0	30.9	30.9	92.1	92.1	7.5	9.0	6															
C3	Fine	Calm	14:48	12.0						Surface	1.0	0.3	70	16.7	16.7	7.8	7.8	31.8	31.8	90.0	90.0	7.3	7.3	1.5	2.6	3	3		822118		817788			
											1.0	0.3	70	16.7	16.7	7.8	7.8	31.8	31.8	89.9	90.0	7.3		1.5		4								
					Middle	6.0	0.2	86	16.7	16.7	7.9	7.9	31.9	31.9	90.2	90.2	7.3	2.9	3															
						6.0	0.2	80	16.7	16.7	7.9	7.9	31.9	31.9	90.2	90.2	7.3	2.9	3															
					Bottom	11.0	0.3	93	17.1	17.2	7.9	7.9	31.6	31.6	91.3	91.5	7.3	3.3	2															
						11.0	0.3	89	17.2	17.2	7.9	7.9	31.6	31.6	91.6	91.5	7.3	3.4	3															
					IM1	Cloudy	Moderate	14:36	6.6	Surface	1.0	0.1	148	17.0	17.0	8.0	8.0	30.6	30.6	94.5	94.5	7.6		7.6		5.8		6.8		6		6	818333	806481
											1.0	0.1	143	16.9	17.0	8.0	8.0	30.6	30.6	94.4	94.5	7.6				6.0				6				
Middle	3.3	0.0	160	16.9						16.9	8.0	8.0	30.8	30.8	94.2	94.2	7.6	6.5	6															
	3.3	0.0	158	16.9						16.9	8.0	8.0	30.8	30.8	94.2	94.2	7.6	6.6	6															
Bottom	5.6	0.0	157	16.9						16.9	8.0	8.0	30.8	30.8	94.5	94.5	7.6	8.3	7															
	5.6	0.0	154	16.9						16.9	8.0	8.0	30.8	30.8	94.5	94.5	7.6	7.5	6															
IM2	Cloudy	Moderate	14:30	6.9						Surface	1.0	0.0	107	17.0	17.0	8.0	8.0	30.5	30.6	94.6	94.6	7.6	7.6		6.4	7.9	7		6	819199	806246			
											1.0	0.0	103	17.0	17.0	8.0	8.0	30.6	30.6	94.5	94.6	7.6			6.7		6							
					Middle	3.5	0.1	100	16.9	16.9	8.0	8.0	30.8	30.8	94.0	94.0	7.6	7.5	5															
						3.5	0.0	100	16.9	16.9	8.0	8.0	30.8	30.8	93.9	94.0	7.6	7.9	6															
					Bottom	5.9	0.0	80	16.9	17.0	7.9	7.9	30.8	30.8	93.8	93.8	7.6	9.3	5															
						5.9	0.0	85	17.0	17.0	7.9	7.9	30.8	30.8	93.8	93.8	7.6	9.7	5															
					IM7	Cloudy	Moderate	14:04	8.1	Surface	1.0	0.3	54	16.8	16.8	8.0	8.0	31.0	31.0	92.7	92.7	7.5		7.5	2.6		3.6	7				5	821357	806854
											1.0	0.2	47	16.8	16.8	8.0	8.0	31.0	31.0	92.7	92.7	7.5			2.7			6						
Middle	4.1	0.2	69	16.8						16.8	8.0	8.0	31.0	31.0	92.5	92.6	7.5	3.9	5															
	4.1	0.3	62	16.8						16.8	8.0	8.0	31.0	31.0	92.6	92.6	7.5	3.9	6															
Bottom	7.1	0.2	67	16.8						16.8	7.9	7.9	31.0	31.0	93.5	93.6	7.6	4.2	4															
	7.1	0.2	66	16.8						16.8	7.9	7.9	31.0	31.0	93.7	93.6	7.6	4.1	4															

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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 24 January 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	13:38	8.0	Surface	1.0	0.1	45	16.9	16.9	7.9	7.9	30.7	30.7	95.3	95.3	7.7	7.7	1.4	1.4	4	4	822236	809822				
						1.0	0.2	51	16.9	16.9	7.9	7.9	30.7	30.7	95.2	95.3	7.7	7.7	1.3	1.3	5	5						
					Middle	4.0	0.2	61	16.8	16.8	7.9	7.9	30.7	30.7	94.3	94.3	7.7	7.7	1.4	1.4	5	5						
						4.0	0.1	61	16.8	16.8	7.9	7.9	30.7	30.7	94.2	94.3	7.7	7.7	1.4	1.4	5	5						
					Bottom	7.0	0.1	66	16.8	16.8	7.9	7.9	30.8	30.8	94.4	94.4	7.7	7.7	1.5	1.5	6	6						
						7.0	0.1	71	16.8	16.8	7.9	7.9	30.8	30.8	94.4	94.4	7.7	7.7	1.5	1.5	5	5						
IM11	Fine	Calm	13:46	9.2	Surface	1.0	0.1	62	16.8	16.8	7.8	7.8	30.8	30.8	95.1	95.0	7.7	7.7	2.0	2.0	7	7	821492	810546				
						1.0	0.1	59	16.8	16.8	7.8	7.8	30.8	30.8	94.9	95.0	7.7	7.7	2.0	2.0	7	7						
					Middle	4.6	0.1	76	16.8	16.8	7.9	7.9	30.9	30.9	94.5	94.5	7.7	7.7	2.8	2.8	6	6						
						4.6	0.1	80	16.8	16.8	7.9	7.9	30.9	30.9	94.4	94.5	7.7	7.7	2.9	2.9	5	5						
					Bottom	8.2	0.1	79	16.8	16.9	7.9	7.9	30.8	30.8	95.3	95.5	7.7	7.8	4.1	4.1	4	4						
						8.2	0.1	81	16.9	16.9	7.9	7.9	30.8	30.8	95.6	95.5	7.8	7.8	4.1	4.1	3	3						
IM12	Fine	Calm	13:53	9.0	Surface	1.0	0.2	92	16.8	16.8	7.9	7.9	31.0	31.0	94.2	94.2	7.6	7.7	1.4	1.4	4	4	821176	811517				
						1.0	0.2	88	16.8	16.8	7.9	7.9	31.0	31.0	94.2	94.2	7.6	7.7	1.4	1.4	4	4						
					Middle	4.5	0.2	85	16.8	16.8	7.9	7.9	31.1	31.1	94.6	94.6	7.7	7.7	2.1	2.1	4	4						
						4.5	0.2	87	16.8	16.8	7.9	7.9	31.1	31.1	94.6	94.6	7.7	7.7	2.1	2.1	5	5						
					Bottom	8.0	0.1	71	16.8	16.8	7.9	7.9	31.1	31.1	95.2	95.3	7.7	7.7	2.6	2.6	6	6						
						8.0	0.1	63	16.8	16.8	7.9	7.9	31.1	31.1	95.3	95.3	7.7	7.7	2.6	2.6	6	6						
SR1A	Fine	Calm	14:05	5.2	Surface	1.0	0.0	3	17.0	17.0	7.9	7.9	30.7	30.7	98.7	98.7	8.0	8.0	1.4	1.4	4	4	819979	812654				
						1.0	0.0	6	17.0	17.0	7.9	7.9	30.7	30.7	98.6	98.6	8.0	8.0	1.4	1.4	4	4						
					Middle	2.6	0.0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						2.6	0.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.2	0.0	34	17.1	17.1	7.8	7.8	30.7	30.7	98.6	98.6	8.0	8.0	2.5	2.5	2	2						
						4.2	0.0	29	17.1	17.1	7.8	7.8	30.6	30.7	98.5	98.6	8.0	8.0	2.5	2.5	4	4						
SR2	Fine	Calm	14:24	5.8	Surface	1.0	0.1	77	16.9	16.9	7.9	7.9	31.3	31.3	95.8	95.9	7.7	7.7	5.6	5.6	4	4	821467	814169				
						1.0	0.1	83	16.9	16.9	7.9	7.9	31.3	31.3	95.9	95.9	7.7	7.7	5.6	5.6	4	4						
					Middle	-	0.1	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.1	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.8	0.1	72	17.1	17.1	7.9	7.9	31.2	31.2	97.2	97.4	7.8	7.8	6.3	6.3	3	3						
						4.8	0.2	70	17.1	17.1	7.9	7.9	31.2	31.2	97.5	97.4	7.8	7.8	6.3	6.3	4	4						
SR3	Cloudy	Moderate	13:57	8.9	Surface	1.0	0.1	59	16.8	16.8	8.0	8.0	31.0	31.0	91.9	91.9	7.4	7.4	3.6	3.6	6	6	822169	807558				
						1.0	0.1	65	16.8	16.8	8.0	8.0	31.0	31.0	91.8	91.9	7.4	7.4	3.8	3.8	5	5						
					Middle	4.5	0.1	58	16.8	16.8	8.0	8.0	31.0	31.0	91.7	91.7	7.4	7.4	4.4	4.4	7	7						
						4.5	0.1	50	16.8	16.8	8.0	8.0	31.0	31.0	91.6	91.6	7.4	7.4	4.4	4.4	6	6						
					Bottom	7.9	0.1	54	16.8	16.8	8.0	8.0	30.9	30.9	91.6	91.6	7.4	7.4	5.2	5.2	7	7						
						7.9	0.1	60	16.8	16.8	8.0	8.0	30.9	30.9	91.6	91.6	7.4	7.4	5.2	5.2	7	7						
SR4A	Cloudy	Moderate	15:39	8.9	Surface	1.0	0.0	46	16.9	16.9	8.0	8.0	30.8	30.8	94.5	94.5	7.6	7.6	6.7	6.7	6	6	817200	807822				
						1.0	0.0	41	16.9	16.9	8.0	8.0	30.8	30.8	94.4	94.5	7.6	7.6	6.7	6.7	5	5						
					Middle	4.5	0.0	36	16.9	16.9	8.0	8.0	30.8	30.8	94.2	94.2	7.6	7.6	6.7	6.7	6	6						
						4.5	0.0	38	16.9	16.9	8.0	8.0	30.8	30.8	94.2	94.2	7.6	7.6	6.8	6.8	6	6						
					Bottom	7.9	0.0	63	16.9	16.9	8.0	8.0	30.8	30.8	94.6	94.7	7.6	7.7	6.7	6.7	5	5						
						7.9	0.0	57	16.9	16.9	8.0	8.0	30.8	30.8	94.7	94.7	7.7	7.7	6.8	6.8	5	5						
SR8	Fine	Calm	13:59	5.2	Surface	1.0	-	-	17.0	17.0	7.9	7.9	30.8	30.8	97.2	97.2	7.9	7.9	1.3	1.3	3	3	820412	811639				
						1.0	-	-	17.0	17.0	7.9	7.9	30.8	30.8	97.1	97.2	7.9	7.9	1.3	1.3	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.2	-	-	17.1	17.1	7.9	7.9	30.7	30.7	97.3	97.3	7.9	7.9	1.7	1.7	3	3						
						4.2	-	-	17.1	17.1	7.9	7.9	30.7	30.7	97.5	97.5	7.9	7.9	1.7	1.7	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 24 January 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	09:27	8.5	Surface	1.0	0.3	29	16.8	16.8	8.0	8.0	30.1	30.1	93.8	93.8	7.6	7.6	4.9	4.9	6	6	5	815635	804265									
						1.0	0.3	33	16.8	16.8	8.0	8.0	30.1	30.1	93.7	93.8	7.6	7.6	5.1	5.1	6	6												
						Middle	4.3	0.3	47	16.8	16.8	8.0	8.0	30.4	30.3	93.2	93.2	7.6	7.6	6.4	6.4	5				5								
							4.3	0.4	51	16.8	16.8	8.0	8.0	30.3	30.3	93.2	93.2	7.6	7.6	6.2	6.2	5				5								
					Bottom	7.5	0.4	57	16.8	16.8	8.0	8.0	30.9	30.9	91.2	91.3	7.4	7.4	8.6	8.6	5	5												
						7.5	0.4	58	16.8	16.8	8.0	8.0	30.9	30.9	91.3	91.3	7.4	7.4	9.6	9.6	5	5												
						C2	Cloudy	Moderate	10:47	11.8	Surface	1.0	0.3	345	16.8	16.8	8.0	8.0	31.0	31.0	92.1	92.1				7.5	7.5	3.5	3.5	6	6	7	825703	806943
												1.0	0.3	341	16.8	16.8	8.0	8.0	31.0	31.0	92.0	92.1				7.5	7.5	3.6	3.6	5	5			
Middle	5.9	0.4	10	16.8	16.8							8.0	8.0	31.0	31.0	91.9	91.9	7.4	7.4	7.6	7.6	7	7											
	5.9	0.4	10	16.8	16.8							8.0	8.0	31.0	31.0	91.9	91.9	7.4	7.4	8.3	8.3	6	6											
Bottom	10.8	0.4	6	16.8	16.8						8.0	8.0	31.0	31.0	92.0	92.1	7.5	7.5	11.7	11.7	8	8												
	10.8	0.3	0	16.8	16.8						8.0	8.0	31.0	31.0	92.1	92.1	7.5	7.5	11.9	11.9	7	7												
	C3	Fine	Calm	08:13	11.8						Surface	1.0	0.4	276	16.7	16.7	7.9	7.9	31.6	31.6	89.7	89.7	7.3	7.3	1.1	1.1	7	7	6	822109	817800			
												1.0	0.4	283	16.7	16.7	7.9	7.9	31.6	31.6	89.7	89.7	7.3	7.3	1.1	1.1	6	6						
Middle						5.9	0.4	252	16.7	16.7		7.9	7.9	31.8	31.8	88.1	88.1	7.1	7.1	2.1	2.1	6	6											
						5.9	0.4	255	16.7	16.7		7.9	7.9	31.9	31.9	88.0	88.1	7.1	7.1	2.1	2.1	5	5											
Bottom						10.8	0.4	278	16.6	16.7	7.9	7.9	31.9	31.9	89.3	89.5	7.2	7.2	3.4	3.4	6	6												
						10.8	0.4	283	16.7	16.7	7.9	7.9	31.9	31.9	89.6	89.5	7.2	7.2	3.3	3.3	5	5												
						IM1	Cloudy	Moderate	09:51	6.2	Surface	1.0	0.3	9	16.8	16.8	8.0	8.0	30.9	30.9	92.9	92.9	7.5	7.5	9.2	9.2	6	6				6	818374	806450
												1.0	0.2	12	16.8	16.8	8.0	8.0	30.9	30.9	92.9	92.9	7.5	7.5	9.3	9.3	7	7						
Middle	3.1	0.2	32	16.8	16.8							7.9	7.9	30.9	30.9	93.0	93.1	7.5	7.5	9.8	9.8	6	6											
	3.1	0.2	30	16.8	16.8							7.9	7.9	30.9	30.9	93.1	93.1	7.6	7.6	9.8	9.8	5	5											
Bottom	5.2	0.2	355	16.8	16.8						7.9	7.9	31.0	31.0	94.5	94.7	7.7	7.7	12.2	12.2	5	5												
	5.2	0.2	358	16.8	16.8						7.9	7.9	31.0	31.0	94.8	94.7	7.7	7.7	12.4	12.4	5	5												
	IM2	Cloudy	Moderate	09:57	6.5						Surface	1.0	0.3	19	16.8	16.8	8.0	8.0	30.7	30.7	93.2	93.2	7.6	7.6	8.6	8.6	5	5	6	819201	806225			
												1.0	0.3	18	16.8	16.8	8.0	8.0	30.7	30.7	93.2	93.2	7.6	7.6	8.7	8.7	6	6						
Middle						3.3	0.3	21	16.8	16.8		7.9	7.9	30.7	30.7	93.2	93.3	7.6	7.6	9.3	9.3	6	6											
						3.3	0.3	16	16.8	16.8		7.9	7.9	30.7	30.7	93.3	93.3	7.6	7.6	9.5	9.5	6	6											
Bottom						5.5	0.3	2	16.8	16.8	7.9	7.9	30.7	30.7	94.4	94.5	7.7	7.7	8.0	8.0	6	6												
						5.5	0.3	2	16.8	16.8	7.9	7.9	30.7	30.7	94.5	94.5	7.7	7.7	7.8	7.8	7	7												
						IM7	Cloudy	Moderate	10:17	7.6	Surface	1.0	0.3	356	16.9	16.9	8.0	8.0	30.9	30.9	92.8	92.8	7.5	7.5	1.7	1.7	6	6				6	821347	806845
												1.0	0.2	349	16.8	16.8	8.0	8.0	30.9	30.9	92.7	92.7	7.5	7.5	1.7	1.7	6	6						
Middle	3.8	0.2	349	16.8	16.8							8.0	8.0	30.9	30.9	92.6	92.7	7.5	7.5	1.4	1.4	6	6											
	3.8	0.3	342	16.8	16.8							8.0	8.0	30.9	30.9	92.7	92.7	7.5	7.5	1.4	1.4	5	5											
Bottom	6.6	0.3	354	16.8	16.8						8.0	8.0	31.0	31.0	93.3	93.4	7.6	7.6	1.2	1.2	5	5												
	6.6	0.3	358	16.8	16.8						8.0	8.0	31.0	31.0	93.4	93.4	7.6	7.6	1.2	1.2	5	5												

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA						
IM10	Fine	Moderate	09:32	9.2	Surface	1.0	0.3	298	16.8	16.8	7.8	7.8	30.8	30.8	93.9	93.9	7.6	7.6	1.3	7.6	4	4	822218	809831								
						1.0	0.4	305	16.8	16.8	7.9	7.8	30.8	30.8	93.8	93.9	7.6	7.6	1.3	7.6	3											
					Middle	4.6	0.3	284	16.7	16.7	7.9	7.9	30.9	30.9	93.7	93.7	7.6	7.6	2.4	7.6	2.4				4							
						4.6	0.3	289	16.7	16.7	7.9	7.9	30.9	30.9	93.7	93.7	7.6	7.6	2.6	7.6	4											
					Bottom	8.2	0.4	292	16.7	16.7	7.9	7.9	30.9	30.9	95.4	95.5	7.8	7.8	3.5	7.8	3.5				4							
						8.2	0.4	297	16.7	16.7	7.9	7.9	30.9	30.9	95.6	95.5	7.8	7.8	3.5	7.8	4											
					IM11	Fine	Calm	09:24	7.8	Surface	1.0	0.5	266	16.7	16.7	7.9	7.9	30.9	30.9	94.3	94.3				7.7	7.7	1.3	7.7	3	4	821514	810561
											1.0	0.5	266	16.7	16.7	7.9	7.9	30.9	30.9	94.3	94.3				7.7	7.7	1.3	7.7	3			
Middle	3.9	0.4	275	16.7						16.7	7.9	7.9	30.9	30.9	94.4	94.4	7.7	7.7	1.8	7.7	1.7	4										
	3.9	0.4	267	16.7						16.7	7.9	7.9	30.9	30.9	94.4	94.4	7.7	7.7	1.8	7.7	5											
Bottom	6.8	0.5	286	16.5						16.5	7.9	7.9	31.1	31.1	95.2	96.7	7.8	7.9	2.0	7.9	2.0	6										
	6.8	0.5	286	16.5						16.5	7.9	7.9	31.1	31.1	98.1	96.7	8.0	7.9	2.0	7.9	4											
IM12	Fine	Calm	09:16	7.8						Surface	1.0	0.4	290	16.7	16.7	7.9	7.9	31.0	31.0	93.2	93.2	7.6	7.6	1.3	7.6	3	4	821163	811532			
											1.0	0.5	295	16.7	16.7	7.9	7.9	31.1	31.0	93.1	93.2	7.6	7.6	1.3	7.6	3						
					Middle	3.9	0.5	266	16.7	16.7	7.9	7.9	31.1	31.1	93.2	93.2	7.6	7.6	1.4	7.6	1.6	4										
						3.9	0.5	262	16.7	16.7	7.9	7.9	31.1	31.1	93.2	93.2	7.6	7.6	1.4	7.6	4											
					Bottom	6.8	0.5	261	16.7	16.7	7.9	7.8	31.1	31.1	93.7	93.8	7.6	7.6	2.0	7.6	2.0	5										
						6.8	0.5	266	16.7	16.7	7.8	7.8	31.1	31.1	93.8	93.8	7.6	7.6	2.1	7.6	5											
					SR1A	Fine	Calm	08:41	5.4	Surface	1.0	0.0	200	16.8	16.8	7.9	7.9	31.3	31.3	92.1	92.2	7.5	7.5	2.3	7.5	5				5	819974	812664
											1.0	0.1	196	16.8	16.8	7.9	7.9	31.3	31.3	92.3	92.2	7.5	7.5	2.3	7.5	6						
Middle	2.7	0.0	198	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-							
	2.7	0.0	192	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Bottom	4.4	0.0	189	16.8						16.8	7.9	7.9	31.3	31.3	93.1	93.2	7.5	7.6	3.1	7.6	3.1	7.6	3									
	4.4	0.1	194	16.7						16.8	7.9	7.9	31.3	31.3	93.2	93.2	7.6	7.6	3.1	7.6	4											
SR2	Fine	Calm	08:37	5.2						Surface	1.0	0.1	255	16.7	16.7	7.9	7.9	31.3	31.3	93.7	93.7	7.6	7.6	3.2	7.6	7	5	821474	814168			
											1.0	0.1	259	16.7	16.7	7.9	7.9	31.3	31.3	93.7	93.7	7.6	7.6	3.2	7.6	6						
					Middle	-	0.1	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-							
						-	0.1	268	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.2	0.1	241	16.5	16.5	7.9	7.9	31.5	31.5	98.2	98.3	8.0	8.0	3.4	8.0	3.4	8.0	4									
						4.2	0.1	234	16.5	16.5	7.9	7.9	31.5	31.5	98.4	98.3	8.0	8.0	3.5	8.0	4											
					SR3	Cloudy	Moderate	10:25	8.9	Surface	1.0	0.3	345	16.8	16.8	8.0	8.0	30.9	30.9	92.6	92.6	7.5	7.5	3.5	7.5	6				5	822156	807554
											1.0	0.3	339	16.8	16.8	8.0	8.0	30.9	30.9	92.6	92.6	7.5	7.5	3.6	7.5	5						
Middle	4.5	0.3	343	16.8						16.8	8.0	8.0	30.9	30.9	92.9	93.0	7.5	7.5	4.4	7.5	4.2	5										
	4.5	0.3	344	16.8						16.8	8.0	8.0	30.9	30.9	93.1	93.1	7.5	7.5	4.4	7.5	5											
Bottom	7.9	0.3	325	16.8						16.8	7.9	7.9	30.9	30.9	93.7	93.8	7.6	7.6	4.6	7.6	4											
	7.9	0.3	331	16.8						16.8	7.9	7.9	30.9	30.9	93.9	93.8	7.6	7.6	4.4	7.6	5											
SR4A	Cloudy	Moderate	09:07	8.9						Surface	1.0	0.0	174	16.8	16.8	8.0	8.0	31.1	31.1	91.5	91.5	7.4	7.4	5.5	7.4	5	5	817203	807793			
											1.0	0.0	168	16.8	16.8	8.0	8.0	31.1	31.1	91.5	91.5	7.4	7.4	5.5	7.4	5						
					Middle	4.5	0.0	174	16.8	16.8	8.0	8.0	31.1	31.1	91.5	91.5	7.4	7.4	5.5	7.4	5.6	5										
						4.5	0.0	170	16.8	16.8	8.0	8.0	31.1	31.1	91.5	91.5	7.4	7.4	5.5	7.4	5											
					Bottom	7.9	0.0	179	16.8	16.8	7.9	7.9	31.1	31.1	91.4	91.5	7.4	7.4	6.0	7.4	6											
						7.9	0.0	176	16.8	16.8	7.9	7.9	31.1	31.1	91.5	91.5	7.4	7.4	5.8	7.4	6											
					SR8	Fine	Calm	09:00	4.2	Surface	1.0	-	-	16.9	16.9	7.8	7.8	31.2	31.2	94.1	94.1	7.6	7.6	1.8	7.6	4				3	820401	811609
											1.0	-	-	16.8	16.9	7.8	7.8	31.3	31.2	94.1	94.1	7.6	7.6	1.9	7.6	3						
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Bottom	3.2	-	-	16.7						16.7	7.9	7.9	31.3	31.3	94.5	94.6	7.7	7.7	2.5	7.7	2.5	7.7	3									
	3.2	-	-	16.7						16.7	7.9	7.9	31.3	31.3	94.6	94.6	7.7	7.7	2.5	7.7	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 26 January 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	16:41	8.2	Surface	1.0	0.2	210	16.5	16.5	8.1	8.1	32.2	32.2	99.7	99.7	8.0	8.0	8.0	6.7	3	3	815600	804234												
						1.0	0.3	202	16.5	16.5	8.1	8.1	32.2	32.2	99.7	99.7	8.0																			
					Middle	4.1	0.3	212	16.4	16.4	8.1	8.1	32.2	32.2	99.3	99.3	8.0																			
						4.1	0.2	216	16.4	16.4	8.1	8.1	32.2	32.2	99.3	99.3	8.0																			
					Bottom	7.2	0.3	225	16.4	16.4	8.1	8.1	32.2	32.2	99.5	99.6	8.0																			
						7.2	0.4	218	16.4	16.4	8.1	8.1	32.2	32.2	99.6	99.6	8.0																			
					C2	Cloudy	Moderate	15:11	11.4	Surface	1.0	0.1	153	16.5	16.5	7.9	7.9								31.3	31.3	98.8	98.8	8.0	8.0	8.0	3.5	3	4	825669	806940
											1.0	0.1	155	16.5	16.5	7.9	7.9								31.3	31.3	98.7	98.8	8.0							
Middle	5.7	0.1	162	16.2						16.2	7.9	7.9	31.5	31.5	97.4	97.4	7.9																			
	5.7	0.1	166	16.2						16.2	7.9	7.9	31.5	31.5	97.3	97.4	7.9																			
Bottom	10.4	0.0	163	16.2						16.2	7.9	7.9	31.5	31.5	97.1	97.1	7.9																			
	10.4	0.0	166	16.2						16.2	7.9	7.9	31.5	31.5	97.1	97.1	7.9																			
C3	Fine	Calm	16:20	10.2						Surface	1.0	0.3	85	16.8	16.8	8.0	8.0	33.7	33.7	101.5	101.6	8.0	8.0	8.0	1.1	4	822104	817788								
											1.0	0.3	82	16.8	16.8	8.0	8.0	33.7	33.7	101.6	101.6	8.0														
					Middle	5.1	0.3	103	16.8	16.8	8.0	8.0	33.8	33.8	101.4	101.4	8.0																			
						5.1	0.4	99	16.8	16.8	8.0	8.0	33.8	33.8	101.3	101.4	8.0																			
					Bottom	9.2	0.3	94	16.8	16.8	8.0	8.0	33.8	33.8	101.4	101.4	8.0																			
						9.2	0.3	99	16.8	16.8	8.0	8.0	33.8	33.8	101.4	101.4	8.0																			
					IM1	Cloudy	Moderate	16:06	6.5	Surface	1.0	0.1	174	16.4	16.4	8.0	8.0	32.2	32.2	99.9	99.9	8.0							8.0	8.0	6.8	4	818341	806443		
											1.0	0.1	179	16.4	16.4	8.0	8.0	32.2	32.2	99.9	99.9	8.0														
Middle	3.3	0.1	165	16.4						16.4	8.0	8.0	32.2	32.2	99.4	99.4	8.0																			
	3.3	0.1	163	16.4						16.4	8.0	8.0	32.2	32.2	99.4	99.4	8.0																			
Bottom	5.5	0.1	206	16.4						16.4	8.0	8.0	32.2	32.2	99.4	99.4	8.0																			
	5.5	0.1	201	16.4						16.4	8.0	8.0	32.2	32.2	99.4	99.4	8.0																			
IM2	Cloudy	Moderate	16:02	7.0						Surface	1.0	0.1	160	16.4	16.4	8.0	8.0	32.2	32.2	99.9	99.9	8.0	8.0	8.0	7.2	3	819188	806247								
											1.0	0.1	156	16.4	16.4	8.1	8.0	32.2	32.2	99.8	99.9	8.0														
					Middle	3.5	0.1	134	16.4	16.4	8.1	8.1	32.2	32.2	99.6	99.6	8.0																			
						3.5	0.1	136	16.4	16.4	8.1	8.1	32.2	32.2	99.5	99.6	8.0																			
					Bottom	6.0	0.1	154	16.4	16.4	8.1	8.1	32.2	32.2	99.4	99.4	8.0																			
						6.0	0.0	156	16.4	16.4	8.1	8.1	32.2	32.2	99.4	99.4	8.0																			
					IM7	Cloudy	Moderate	15:40	8.5	Surface	1.0	0.2	80	16.3	16.3	8.0	8.0	31.6	31.6	98.4	98.4	8.0							8.0	8.0	2.3	4	821339	806853		
											1.0	0.2	80	16.3	16.3	8.0	8.0	31.6	31.6	98.4	98.4	8.0														
Middle	4.3	0.2	81	16.2						16.2	8.0	8.0	31.7	31.7	97.9	97.9	8.0																			
	4.3	0.2	79	16.2						16.2	8.0	8.0	31.7	31.7	97.9	97.9	8.0																			
Bottom	7.5	0.1	83	16.1						16.1	8.0	8.0	31.7	31.7	98.1	98.2	8.0																			
	7.5	0.1	81	16.1						16.1	8.0	8.0	31.7	31.7	98.2	98.2	8.0																			

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 26 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Calm	15:11	8.2	Surface	1.0	0.1	91	16.7	16.7	7.9	7.9	33.8	33.8	101.7	101.7	8.1	8.1	1.1	1.1	4	4	822221	809829				
						1.0	0.2	86	16.7	16.7	7.9	7.9	33.8	33.8	101.6	101.6	8.1	8.1	1.1	1.1	4	4						
					Middle	4.1	0.1	81	16.7	16.7	7.9	7.9	33.8	33.8	101.6	101.6	8.1	8.1	1.2	1.2	4	4						
						4.1	0.1	78	16.7	16.7	7.9	7.9	33.8	33.8	101.6	101.6	8.1	8.1	1.3	1.3	4	4						
					Bottom	7.2	0.2	97	16.7	16.7	7.9	7.9	33.6	33.6	101.7	101.8	8.1	8.1	1.3	1.3	4	4						
						7.2	0.2	92	16.7	16.7	7.9	7.9	33.5	33.6	101.8	101.8	8.1	8.1	1.3	1.3	3	3						
IM11	Fine	Calm	15:19	9.0	Surface	1.0	0.2	79	16.9	16.9	8.1	8.1	33.9	34.0	102.7	102.7	8.1	8.1	1.1	1.1	4	4	821514	810535				
						1.0	0.1	83	16.8	16.9	8.1	8.1	34.0	34.0	102.6	102.6	8.1	8.1	1.1	1.1	3	3						
					Middle	4.5	0.2	70	16.7	16.7	8.1	8.1	34.1	34.2	102.4	102.4	8.1	8.1	1.3	1.3	4	4						
						4.5	0.2	66	16.6	16.6	8.1	8.1	34.2	34.2	102.3	102.3	8.1	8.1	1.3	1.3	4	4						
					Bottom	8.0	0.2	81	16.4	16.4	8.1	8.1	34.3	34.4	102.0	102.0	8.1	8.1	1.4	1.4	4	4						
						8.0	0.2	77	16.4	16.4	8.1	8.1	34.4	34.4	101.9	101.9	8.1	8.1	1.4	1.4	4	4						
IM12	Fine	Calm	15:26	9.2	Surface	1.0	0.3	85	16.8	16.8	8.0	8.0	33.8	33.8	100.6	100.6	8.0	8.0	1.1	1.1	5	4	821180	811499				
						1.0	0.3	79	16.8	16.8	8.0	8.0	33.8	33.8	100.6	100.6	8.0	8.0	1.1	1.1	4	4						
					Middle	4.6	0.2	103	16.8	16.8	8.0	8.0	33.8	33.8	100.7	100.8	8.0	8.0	1.1	1.1	4	4						
						4.6	0.3	106	16.8	16.8	8.0	8.0	33.8	33.8	100.8	100.8	8.0	8.0	1.1	1.1	4	4						
					Bottom	8.2	0.2	100	16.8	16.8	8.0	8.0	33.7	33.7	100.9	101.0	8.0	8.0	1.1	1.1	3	3						
						8.2	0.2	92	16.8	16.8	8.0	8.0	33.7	33.7	101.0	101.0	8.0	8.0	1.1	1.1	4	4						
SR1A	Fine	Calm	15:38	4.8	Surface	1.0	0.0	33	16.8	16.8	8.0	8.0	33.7	33.7	101.8	101.8	8.1	8.1	1.2	1.2	3	2	819970	812663				
						1.0	0.0	26	16.8	16.8	8.0	8.0	33.8	33.8	101.8	101.8	8.1	8.1	1.2	1.2	2	2						
					Middle	2.4	0.1	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						2.4	0.1	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	3.8	0.0	16	16.8	16.8	8.0	8.0	33.8	33.8	101.8	101.9	8.1	8.1	1.2	1.2	3	3						
						3.8	0.0	9	16.8	16.8	8.0	8.0	33.8	33.8	101.9	101.9	8.1	8.1	1.3	1.3	4	4						
SR2	Fine	Calm	15:57	5.0	Surface	1.0	0.2	59	16.7	16.7	8.0	8.0	33.8	33.8	101.6	101.6	8.1	8.1	1.1	1.1	3	3	821455	814158				
						1.0	0.2	55	16.7	16.7	8.0	8.0	33.8	33.8	101.5	101.5	8.1	8.1	1.1	1.1	3	3						
					Middle	-	0.2	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	0.3	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.0	0.2	58	16.7	16.7	8.0	8.0	33.8	33.7	101.5	101.5	8.1	8.1	1.2	1.2	3	3						
						4.0	0.2	51	16.7	16.7	8.0	8.0	33.7	33.7	101.5	101.5	8.1	8.1	1.2	1.2	3	3						
SR3	Cloudy	Moderate	15:33	9.0	Surface	1.0	0.1	101	16.4	16.4	7.9	7.9	31.3	31.3	99.8	99.8	8.1	8.1	13.9	13.9	4	4	822159	807551				
						1.0	0.1	96	16.4	16.4	7.9	7.9	31.3	31.3	99.8	99.8	8.1	8.1	14.0	14.0	4	4						
					Middle	4.5	0.1	102	16.3	16.3	7.9	7.9	31.6	31.6	99.5	99.5	8.1	8.1	5.1	5.1	4	4						
						4.5	0.1	105	16.3	16.3	7.9	7.9	31.6	31.6	99.5	99.5	8.1	8.1	5.2	5.2	4	4						
					Bottom	8.0	0.1	91	16.3	16.3	7.9	7.9	31.8	31.8	99.4	99.5	8.0	8.1	7.8	7.8	4	4						
						8.0	0.1	96	16.3	16.3	7.9	7.9	31.8	31.8	99.5	99.5	8.1	8.1	8.3	8.3	3	3						
SR4A	Cloudy	Moderate	17:09	9.2	Surface	1.0	0.0	52	16.3	16.3	8.1	8.1	31.9	31.9	98.8	98.8	8.0	8.0	4.7	4.7	3	3	817210	807796				
						1.0	0.0	49	16.3	16.3	8.1	8.1	31.9	31.9	98.8	98.8	8.0	8.0	4.7	4.7	3	3						
					Middle	4.6	0.1	42	16.3	16.3	8.1	8.1	31.9	31.9	98.6	98.6	8.0	8.0	4.7	4.7	4	4						
						4.6	0.1	48	16.3	16.3	8.1	8.1	31.9	31.9	98.6	98.6	8.0	8.0	4.7	4.7	4	4						
					Bottom	8.2	0.0	44	16.2	16.2	8.1	8.1	31.9	31.9	98.7	98.7	8.0	8.0	4.7	4.7	5	4						
						8.2	0.0	46	16.2	16.2	8.1	8.1	31.9	31.9	98.7	98.7	8.0	8.0	4.7	4.7	4	4						
SR8	Fine	Calm	15:32	5.0	Surface	1.0	-	-	16.7	16.7	8.0	8.0	34.0	34.0	101.5	101.5	8.0	8.0	1.1	1.1	3	4	820382	811623				
						1.0	-	-	16.7	16.7	8.0	8.0	34.0	34.0	101.5	101.5	8.0	8.0	1.1	1.1	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.0	-	-	16.7	16.7	8.0	8.0	34.0	33.9	101.4	101.5	8.0	8.1	1.2	1.2	4	4						
						4.0	-	-	16.6	16.7	8.0	8.0	33.8	33.8	101.5	101.5	8.1	8.1	1.2	1.2	5	5						

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

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

**Water Quality Monitoring Results on 26 January 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	10:51	8.2	Surface	1.0	0.4	30	16.3	8.0	8.0	32.0	32.0	98.3	98.3	8.0	8.0	10.6	10.4	3	815637	804228	4		
						1.0	0.4	23	16.3	8.0	8.0	32.0	32.0	98.3	98.3	8.0							4		
					Middle	4.1	0.4	34	16.3	8.0	8.0	32.0	32.0	98.3	98.4	8.0							8.0	10.6	4
						4.1	0.4	29	16.3	8.0	8.0	32.0	32.0	98.4	98.4	8.0							8.0	10.7	3
					Bottom	7.2	0.3	36	16.3	8.0	8.0	32.0	32.0	98.5	98.6	8.0							8.0	11.0	4
						7.2	0.3	29	16.3	8.0	8.0	32.0	32.0	98.6	98.6	8.0							8.0	9.7	3
C2	Cloudy	Moderate	12:11	11.0	Surface	1.0	0.4	5	16.4	8.2	8.2	31.1	31.1	99.1	99.1	8.0	8.1	2.2	2.7	3	825675	806923	3		
						1.0	0.4	3	16.4	8.2	8.2	31.1	31.1	99.1	99.1	8.0							4		
					Middle	5.5	0.4	334	16.3	8.2	8.2	31.1	31.1	99.2	99.2	8.1							8.1	2.2	4
						5.5	0.3	327	16.3	8.2	8.2	31.1	31.1	99.2	99.2	8.1							8.1	2.9	3
					Bottom	10.0	0.4	336	16.3	8.3	8.3	31.2	31.2	99.7	99.7	8.1							8.1	2.9	3
						10.0	0.3	328	16.3	8.3	8.3	31.2	31.2	99.7	99.7	8.1							8.1	3.0	3
C3	Fine	Calm	11:19	12.0	Surface	1.0	0.4	260	17.0	8.0	8.0	33.8	33.8	98.8	98.8	7.8	7.8	1.1	1.1	3	822121	817815	3		
						1.0	0.4	261	17.0	8.0	8.0	33.8	33.8	98.7	98.8	7.8							4		
					Middle	6.0	0.4	256	17.0	8.0	8.0	33.8	33.8	98.6	98.6	7.8							7.8	1.1	3
						6.0	0.5	263	17.0	8.0	8.0	33.8	33.8	98.5	98.6	7.8							7.8	1.1	3
					Bottom	11.0	0.5	248	17.0	8.0	8.0	33.9	34.0	98.2	98.0	7.7							7.8	1.3	2
						11.0	0.5	246	16.9	8.0	8.0	34.1	34.0	97.8	98.0	7.8							7.8	1.2	3
IM1	Cloudy	Moderate	11:14	6.3	Surface	1.0	0.2	19	16.2	8.1	8.1	31.8	31.8	98.3	98.3	8.0	8.0	6.2	8.6	4	818336	806434	4		
						1.0	0.2	17	16.2	8.1	8.1	31.8	31.8	98.3	98.3	8.0							4		
					Middle	3.2	0.3	27	16.2	8.1	8.1	31.8	31.8	98.2	98.2	8.0							8.0	9.1	4
						3.2	0.3	21	16.2	8.1	8.1	31.8	31.8	98.2	98.2	8.0							8.0	9.1	4
					Bottom	5.3	0.3	29	16.1	8.1	8.1	31.8	31.8	98.2	98.2	8.0							8.0	10.4	4
						5.3	0.3	35	16.1	8.1	8.1	31.9	31.8	98.2	98.2	8.0							8.0	10.9	4
IM2	Cloudy	Moderate	11:19	7.0	Surface	1.0	0.2	27	16.2	8.0	8.0	31.7	31.7	98.7	98.7	8.0	8.0	3.8	4.3	4	819171	806244	3		
						1.0	0.2	33	16.2	8.0	8.0	31.7	31.7	98.7	98.7	8.0							8.0	3.8	3
					Middle	3.5	0.2	13	16.1	8.1	8.1	31.8	31.8	98.3	98.3	8.0							8.0	4.4	4
						3.5	0.2	5	16.1	8.1	8.1	31.8	31.8	98.3	98.3	8.0							8.0	4.5	3
					Bottom	6.0	0.2	11	16.1	8.1	8.1	31.7	31.7	98.4	98.5	8.0							8.0	4.7	4
						6.0	0.3	13	16.1	8.1	8.1	31.7	31.7	98.5	98.5	8.0							8.0	4.7	4
IM7	Cloudy	Moderate	11:37	8.1	Surface	1.0	0.2	17	16.4	8.0	8.0	31.3	31.3	98.0	98.0	7.9	7.9	3.4	3.4	4	821334	806858	4		
						1.0	0.2	16	16.4	8.0	8.0	31.3	31.3	98.0	98.0	7.9							7.9	3.4	5
					Middle	4.1	0.3	6	16.4	8.1	8.1	31.2	31.2	97.7	97.7	7.9							7.9	3.4	4
						4.1	0.3	0	16.4	8.1	8.1	31.2	31.2	97.6	97.7	7.9							7.9	3.4	4
					Bottom	7.1	0.3	14	16.4	8.1	8.1	31.3	31.3	97.5	97.5	7.9							7.9	3.4	3
						7.1	0.2	11	16.4	8.1	8.1	31.3	31.3	97.5	97.5	7.9							7.9	3.4	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 26 January 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	Fine	Moderate	12:24	9.2	Surface	1.0	0.3	315	16.7	16.7	7.9	7.9	33.9	33.9	103.4	103.5	8.2	8.3	1.0	1.2	2	3	822243	809860							
						1.0	0.3	313	16.7	7.9	7.9	33.9	33.9	103.5	103.5	8.2	1.0		3												
					Middle	4.6	0.3	295	16.7	16.7	7.9	7.9	33.9	33.9	104.0	104.1	8.3		8.3		1.2				3						
						4.6	0.3	296	16.6	16.7	7.9	7.9	33.9	33.9	104.1	104.1	8.3		8.3		1.2				3						
					Bottom	8.2	0.3	291	16.6	16.7	7.9	7.9	33.7	33.7	104.2	104.4	8.3		8.3		1.3				4						
						8.2	0.3	294	16.7	16.7	7.9	7.9	33.8	33.7	104.5	104.4	8.3		8.3		1.4				4						
IM11	Fine	Calm	12:16	8.0	Surface	1.0	0.3	274	16.7	16.7	8.0	8.0	33.8	33.8	102.8	102.8	8.2	8.2	1.1	1.3	4	4	821482	810543							
						1.0	0.3	269	16.7	16.7	8.0	8.0	33.8	33.8	102.8	102.8	8.2		1.1		5										
					Middle	4.0	0.4	290	16.7	16.7	8.0	8.0	33.8	33.8	102.9	103.0	8.2		8.2		1.3				5						
						4.0	0.3	296	16.7	16.7	8.0	8.0	33.8	33.8	103.1	103.0	8.2		8.2		1.3				4						
					Bottom	7.0	0.4	299	16.7	16.7	8.0	8.0	33.8	33.8	103.2	103.5	8.2		8.2		1.5				3						
						7.0	0.4	302	16.7	16.7	8.0	8.0	33.8	33.8	103.7	103.5	8.2		8.2		1.4				4						
IM12	Fine	Calm	12:11	6.6	Surface	1.0	0.3	296	16.8	16.8	8.0	8.0	33.9	33.9	102.6	102.7	8.1	8.1	1.1	1.2	3	4	821170	811517							
						1.0	0.3	297	16.8	16.8	8.0	8.0	33.9	33.9	102.7	102.7	8.1		8.1		1.1				4						
					Middle	3.3	0.3	281	16.8	16.8	8.0	8.0	33.9	33.9	103.0	103.1	8.1		8.1		1.1				4						
						3.3	0.3	280	16.8	16.8	8.0	8.0	33.9	33.9	103.1	103.1	8.2		8.1		1.1				5						
					Bottom	5.6	0.3	261	16.8	16.8	8.0	8.0	33.9	33.9	103.5	103.7	8.2		8.2		1.3				4						
						5.6	0.4	254	16.8	16.8	8.0	8.0	33.9	33.9	103.9	103.7	8.2		8.2		1.3				5						
SR1A	Fine	Calm	11:50	5.2	Surface	1.0	0.0	191	16.3	16.3	7.9	7.9	33.9	33.9	103.5	103.6	8.3	8.3	1.1	1.1	3	3	819981	812653							
						1.0	0.1	198	16.2	16.3	7.9	7.9	34.0	33.9	103.6	103.6	8.3		8.3		1.1				4						
					Middle	2.6	0.1	212	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
						2.6	0.0	216	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
					Bottom	4.2	0.0	187	16.1	16.1	7.9	7.9	34.0	32.4	103.9	104.0	8.4		8.4		1.1				2						
						4.2	0.0	191	16.1	16.1	7.9	7.9	30.9	32.4	104.1	104.0	8.4		8.4		1.1				3						
SR2	Fine	Calm	11:39	5.4	Surface	1.0	0.1	257	16.9	16.9	7.9	7.9	33.9	33.9	99.8	99.8	7.9	7.9	1.0	1.0	3	3	821464	814159							
						1.0	0.1	262	16.9	16.9	7.9	7.9	33.9	33.9	99.7	99.7	7.9		7.9		1.0				3						
					Middle	-	0.1	243	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
						-	0.1	247	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	-
					Bottom	4.4	0.1	254	17.0	17.0	8.0	8.0	33.8	33.8	99.1	99.1	7.8		7.8		1.0				4						
						4.4	0.1	257	17.0	17.0	8.0	8.0	33.8	33.8	99.1	99.1	7.8		7.8		1.0				3						
SR3	Cloudy	Moderate	11:44	9.2	Surface	1.0	0.4	338	16.4	16.4	8.0	8.0	31.2	31.2	97.5	97.5	7.9	7.9	2.8	2.5	3	3	822160	807569							
						1.0	0.3	336	16.4	16.4	8.0	8.0	31.2	31.2	97.5	97.5	7.9		7.9		2.7				3						
					Middle	4.6	0.3	333	16.3	16.3	8.1	8.1	31.3	31.3	97.4	97.4	7.9		7.9		2.5				2						
						4.6	0.3	332	16.3	16.3	8.1	8.1	31.3	31.3	97.4	97.4	7.9		7.9		2.5				3						
					Bottom	8.2	0.3	345	16.1	16.1	8.1	8.1	31.4	31.4	97.7	97.7	8.0		8.0		2.3				4						
						8.2	0.3	337	16.1	16.1	8.1	8.1	31.4	31.4	97.7	97.7	8.0		8.0		2.4				3						
SR4A	Cloudy	Moderate	10:34	9.3	Surface	1.0	0.0	229	15.9	15.9	8.0	8.0	31.1	31.1	97.4	97.4	8.0	8.0	2.3	2.7	6	4	817165	807814							
						1.0	0.0	231	15.9	15.9	8.0	8.0	31.1	31.1	97.4	97.4	8.0		8.0		2.4				4						
					Middle	4.7	0.0	237	15.9	15.9	7.9	7.9	31.1	31.1	97.1	97.1	8.0		8.0		2.8				4						
						4.7	0.1	240	15.9	15.9	7.9	7.9	31.1	31.1	97.0	97.0	8.0		8.0		2.8				4						
					Bottom	8.3	0.1	221	15.9	15.9	7.9	7.9	31.1	31.1	96.9	97.0	7.9		7.9		2.9				3						
						8.3	0.1	214	15.9	15.9	7.9	7.9	31.1	31.1	97.0	97.0	7.9		7.9		2.9				4						
SR8	Fine	Calm	12:07	4.0	Surface	1.0	-	-	16.9	16.9	8.0	8.0	33.9	33.9	104.7	104.8	8.3	8.3	1.1	1.3	4	3	820393	811634							
						1.0	-	-	16.9	16.9	8.0	8.0	33.9	33.9	104.8	104.8	8.3		8.3		1.1				3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-	
					Bottom	3.0	-	-	16.8	16.8	8.0	8.0	33.9	33.7	104.4	104.5	8.3		8.3		1.4				3						
						3.0	-	-	16.8	16.8	8.0	8.0	33.4	33.7	104.6	104.5	8.3		8.3		1.5				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 28 January 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
C1	Cloudy	Moderate	18:57	8.8	Surface	1.0	0.4	216	16.2	8.0	8.0	31.5	31.5	103.3	103.3	8.4	8.4	6.9	8.4	9	7	815640	804229		
						1.0	0.3	221	16.2	8.0	8.0	31.5	31.5	103.3	103.3	8.4	8.4	7.1	8.4	8					
					Middle	4.4	0.4	198	16.1	8.1	8.1	31.5	31.5	102.1	102.1	8.3	8.3	10.3	8.3	8				8.3	8
						4.4	0.3	190	16.1	8.1	8.1	31.5	31.5	102.0	102.0	8.3	8.3	10.3	8.3	7				8.3	7
					Bottom	7.8	0.3	192	16.1	8.1	8.1	31.5	31.5	100.4	100.3	8.2	8.2	13.7	8.2	6				8.2	6
						7.8	0.3	197	16.1	8.1	8.1	31.5	31.5	100.1	100.3	8.1	8.2	13.2	8.1	6				8.2	6
C2	Cloudy	Moderate	17:28	11.8	Surface	1.0	0.3	187	16.1	7.9	7.9	30.9	30.9	103.1	103.1	8.4	8.4	4.4	8.4	4	5	825682	806923		
						1.0	0.3	182	16.1	7.9	7.9	30.9	30.9	103.0	103.1	8.4	8.4	4.7	8.4	5					
					Middle	5.9	0.3	178	16.0	7.9	7.9	30.9	30.8	102.6	102.6	8.4	8.4	6.8	8.4	5				8.4	5
						5.9	0.3	179	16.0	7.9	7.9	30.8	30.8	102.6	102.6	8.4	8.4	7.1	8.4	4				8.4	4
					Bottom	10.8	0.3	164	16.0	7.9	7.9	30.8	30.8	102.9	103.0	8.4	8.4	8.9	8.4	5				8.4	5
						10.8	0.3	165	16.1	7.9	7.9	30.8	30.8	103.1	103.0	8.4	8.4	8.5	8.4	6				8.4	6
C3	Fine	Rough	18:19	10.2	Surface	1.0	0.2	75	16.4	8.0	8.0	32.1	32.1	98.7	99.1	8.0	8.0	1.0	8.0	4	5	822097	817819		
						1.0	0.3	74	16.4	8.0	8.0	32.1	32.1	99.4	99.1	8.0	8.0	1.1	8.0	6					
					Middle	5.1	0.3	80	16.4	8.0	8.0	32.1	32.1	104.9	105.0	8.5	8.5	1.4	8.5	5				8.5	5
						5.1	0.3	85	16.4	8.0	8.0	32.1	32.0	105.0	105.6	8.5	8.5	1.5	8.5	4				8.5	4
					Bottom	9.2	0.2	58	16.4	8.0	8.0	32.0	32.0	105.6	106.0	8.5	8.6	1.6	8.5	4				8.6	4
						9.2	0.3	50	16.4	8.0	8.0	32.1	32.0	106.4	106.0	8.6	8.6	1.5	8.6	4				8.6	4
IM1	Cloudy	Moderate	18:32	6.4	Surface	1.0	0.2	201	16.1	8.1	8.1	31.4	31.4	102.5	102.5	8.3	8.4	5.5	8.4	8	7	818371	806440		
						1.0	0.2	207	16.1	8.1	8.1	31.4	31.4	102.5	102.5	8.4	8.4	5.6	8.4	7					
					Middle	3.2	0.2	199	16.1	8.1	8.1	31.4	31.4	102.6	102.6	8.4	8.4	5.9	8.4	7				8.4	7
						3.2	0.3	198	16.1	8.1	8.1	31.4	31.4	102.6	102.6	8.4	8.4	6.0	8.4	6				8.4	6
					Bottom	5.4	0.2	201	16.1	8.1	8.1	31.4	31.4	103.1	103.2	8.4	8.4	6.5	8.4	7				8.4	7
						5.4	0.2	203	16.1	8.1	8.1	31.4	31.4	103.2	103.2	8.4	8.4	7.1	8.4	7				8.4	7
IM2	Cloudy	Moderate	18:26	6.8	Surface	1.0	0.3	185	16.1	8.0	8.0	31.4	31.4	102.5	102.5	8.3	8.3	5.3	8.3	5	7	819165	806229		
						1.0	0.3	180	16.1	8.0	8.0	31.4	31.4	102.5	102.5	8.3	8.3	5.4	8.3	6					
					Middle	3.4	0.3	215	16.1	8.0	8.0	31.4	31.4	102.5	102.6	8.3	8.3	5.3	8.3	8				8.3	8
						3.4	0.3	214	16.1	8.0	8.0	31.4	31.4	102.6	102.6	8.4	8.4	5.3	8.4	7				8.4	7
					Bottom	5.8	0.3	179	16.1	8.0	8.0	31.4	31.4	103.5	103.6	8.4	8.4	5.5	8.4	8				8.4	8
						5.8	0.3	173	16.1	8.0	8.0	31.4	31.4	103.6	103.6	8.4	8.4	5.6	8.4	9				8.4	9
IM7	Cloudy	Moderate	18:01	8.4	Surface	1.0	0.2	162	16.0	8.0	8.0	31.2	31.2	102.3	102.3	8.4	8.4	4.5	8.4	6	7	821344	806821		
						1.0	0.3	164	16.0	8.0	8.0	31.2	31.2	102.3	102.3	8.4	8.4	4.6	8.4	7					
					Middle	4.2	0.2	141	15.9	8.0	8.0	31.3	31.3	102.6	102.7	8.4	8.4	4.3	8.4	7				8.4	7
						4.2	0.2	146	15.9	8.0	8.0	31.3	31.3	102.7	102.7	8.4	8.4	4.3	8.4	7				8.4	7
					Bottom	7.4	0.2	134	15.9	8.0	8.0	31.2	31.2	103.0	103.1	8.4	8.4	3.9	8.4	7				8.4	7
						7.4	0.1	139	15.9	8.0	8.0	31.2	31.2	103.1	103.1	8.4	8.4	3.8	8.4	7				8.4	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 28 January 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
IM10	Fine	Rough	17:12	8.6	Surface	1.0	0.3	101	15.9	15.9	8.0	8.0	31.9	31.9	100.7	100.7	8.2	8.2	8.2	8.2	1.0	1.3	6	7	822220	809852					
						1.0	0.3	101	15.9		8.0	8.0	31.9	31.9	100.6	100.7	8.2	8.2					1.1				6				
					Middle	4.3	0.3	82	15.8	15.8	8.0	8.0	32.0	32.0	100.3	100.3	8.2	8.2	1.1	7	6										
						4.3	0.3	79	15.8		8.0	8.0	32.0	32.0	100.2	100.3	8.2	8.2	1.1	7	6										
					Bottom	7.6	0.2	70	15.7	15.7	8.0	8.0	32.0	32.2	100.0	100.2	8.2	8.2	1.8	8	8										
						7.6	0.3	70	15.6		8.0	8.0	32.2	32.2	100.3	100.2	8.2	8.2	1.9	8	8										
IM11	Fine	Rough	17:19	9.2	Surface	1.0	0.3	104	16.0	16.0	7.9	7.9	31.9	31.9	104.8	104.9	8.5	8.5	8.6	8.6	1.0	1.3	5	5	821494	810556					
						1.0	0.3	99	16.0		7.9	7.9	31.9	31.9	105.0	105.5	8.5	8.6					1.1				6				
					Middle	4.6	0.3	92	16.0	16.0	8.0	8.0	31.9	31.9	105.4	105.5	8.6	8.6	1.2	5	5										
						4.6	0.3	93	16.0		8.0	8.0	31.9	31.9	105.5	105.5	8.6	8.6	1.2	4	4										
					Bottom	8.2	0.3	66	16.0	16.0	8.0	8.0	31.9	31.9	106.1	106.2	8.6	8.6	1.7	4	4										
						8.2	0.3	66	16.0		8.0	8.0	31.9	31.9	106.3	106.2	8.6	8.6	1.7	4	4										
IM12	Fine	Rough	17:25	9.0	Surface	1.0	0.3	91	15.9	15.9	8.0	8.0	31.8	31.8	108.3	108.4	8.8	8.9	8.9	8.9	1.6	1.8	3	5	821148	811529					
						1.0	0.3	84	15.9		8.0	8.0	31.8	31.8	108.5	108.4	8.9	8.9					1.5				4				
					Middle	4.5	0.3	110	15.8	15.8	8.0	8.0	31.8	31.8	109.3	109.4	8.9	8.9	1.8	6	6										
						4.5	0.3	109	15.8		8.1	8.0	31.8	31.8	109.4	109.4	8.9	8.9	1.9	5	5										
					Bottom	8.0	0.3	108	15.9	15.9	8.0	8.0	31.7	31.7	110.1	110.2	9.0	9.0	2.0	6	6										
						8.0	0.3	110	15.9		8.0	8.0	31.7	31.7	110.3	110.2	9.0	9.0	2.1	5	5										
SR1A	Fine	Rough	17:42	5.6	Surface	1.0	0.0	27	15.7	15.7	8.0	8.0	31.5	31.5	105.2	105.3	8.6	8.7	8.7	8.7	1.9	2.0	7	6	819973	812654					
						1.0	0.1	30	15.6		8.0	8.0	31.5	31.5	105.4	105.3	8.7	8.7					2.0				6				
					Middle	2.8	-	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						2.8	0.0	44	-		-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.6	0.0	62	15.6	15.6	8.0	8.0	31.5	31.5	105.8	105.9	8.7	8.7	2.0	6	6										
						4.6	0.1	64	15.6		8.0	8.0	31.5	31.5	105.9	105.9	8.7	8.7	2.0	4	4										
SR2	Fine	Rough	17:54	5.8	Surface	1.0	0.2	38	16.2	16.2	8.0	8.0	31.9	31.9	106.4	106.6	8.6	8.6	8.6	8.6	1.8	1.9	6	5	821469	814145					
						1.0	0.2	44	16.2		8.0	8.0	31.9	31.9	106.7	106.6	8.6	8.6					1.7				5				
					Middle	-	0.3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	0.3	64	-		-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.8	0.3	57	16.2	16.2	8.0	8.0	31.8	31.8	109.0	109.4	8.8	8.9	2.0	4	4										
						4.8	0.2	50	16.2		8.0	8.0	31.9	31.8	109.8	109.4	8.9	8.9	2.0	4	4										
SR3	Cloudy	Moderate	17:54	8.4	Surface	1.0	0.3	167	16.2	16.2	8.0	8.0	30.8	30.8	104.6	104.6	8.5	8.5	8.5	8.5	2.5	2.7	4	5	822130	807571					
						1.0	0.3	167	16.2		8.0	8.0	30.8	30.8	104.5	104.6	8.5	8.5					2.5				5				
					Middle	4.2	0.3	134	16.1	16.1	8.0	8.0	30.8	30.8	103.3	103.3	8.5	8.4	2.8	4	4										
						4.2	0.4	131	16.1		8.0	8.0	30.8	30.8	103.3	103.3	8.4	8.4	2.8	6	6										
					Bottom	7.4	0.3	146	16.0	16.0	8.1	8.1	30.8	30.8	102.7	102.7	8.4	8.4	2.8	6	6										
						7.4	0.3	144	16.0		8.1	8.1	30.8	30.8	102.7	102.7	8.4	8.4	2.8	5	5										
SR4A	Cloudy	Moderate	19:26	8.5	Surface	1.0	0.0	4	16.0	16.0	8.0	8.0	31.5	31.4	106.1	106.2	8.7	8.7	8.7	8.7	6.5	6.6	8	8	817211	807792					
						1.0	0.0	358	16.0		8.0	8.0	31.4	31.4	106.2	106.9	8.7	8.7					6.5				9				
					Middle	4.3	0.1	0	15.9	15.9	8.0	8.0	31.4	31.4	106.8	106.9	8.7	8.7	6.6	8	8										
						4.3	0.1	4	15.9		8.0	8.0	31.4	31.4	106.9	106.9	8.7	8.7	6.7	8	8										
					Bottom	7.5	0.0	337	15.9	15.9	8.0	8.0	31.4	31.4	107.2	107.3	8.8	8.8	6.7	7	7										
						7.5	0.0	334	15.9		8.0	8.0	31.4	31.4	107.4	107.3	8.8	8.8	6.7	7	7										
SR8	Fine	Rough	17:29	5.0	Surface	1.0	-	-	15.9	15.9	8.0	8.0	31.7	31.7	106.6	106.7	8.7	8.7	8.7	8.7	2.3	2.6	6	5	820391	811644					
						1.0	-	-	15.9		8.0	8.0	31.7	31.7	106.8	106.8	8.7	8.7					2.2				4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.0	-	-	15.9	15.9	8.0	8.0	31.7	31.7	108.1	108.3	8.8	8.9	3.0	5	5										
						4.0	-	-	15.9		8.0	8.0	31.7	31.7	108.5	108.3	8.9	8.9	3.1	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 28 January 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	11:24	8.3	Surface	1.0	0.3	36	15.8	15.8	7.9	7.9	31.5	31.5	102.5	102.5	8.4	8.4	9.6	9.8	14	12	815621	804266		
						1.0	0.3	29	15.8	7.9	7.9	31.5	31.5	102.5	102.5	8.4	8.4	9.7	9.8	13	12					
					Middle	4.2	0.2	10	15.8	15.8	7.9	7.9	31.5	31.5	102.6	102.6	8.4	8.4	9.3	9.8	12	12			815621	804266
						4.2	0.2	15	15.8	15.8	7.9	7.9	31.5	31.5	102.6	102.6	8.4	8.4	9.4	9.8	10	12				
					Bottom	7.3	0.3	36	15.8	15.8	7.9	7.9	31.5	31.5	102.8	102.8	8.4	8.4	10.6	9.8	11	12			815621	804266
						7.3	0.3	30	15.8	15.8	7.9	7.9	31.5	31.5	102.8	102.8	8.4	8.4	10.3	9.8	12	12				
C2	Cloudy	Moderate	12:42	11.6	Surface	1.0	0.4	1	16.1	16.1	7.9	7.9	30.8	30.8	104.0	104.0	8.5	8.5	2.5	5.3	6	5	825667	806927		
						1.0	0.4	355	16.1	16.1	7.9	7.9	30.9	30.9	104.0	104.0	8.5	8.5	2.5	5.3	5	5				
					Middle	5.8	0.4	348	16.0	16.0	7.9	7.9	30.9	30.9	104.1	104.2	8.5	8.5	2.7	5.3	5	5			825667	806927
						5.8	0.3	346	16.0	16.0	7.9	7.9	30.9	30.9	104.2	104.2	8.5	8.5	2.7	5.3	4	5				
					Bottom	10.6	0.3	356	16.0	16.0	7.9	7.9	30.9	30.9	104.8	104.9	8.6	8.6	10.8	5.3	3	5			825667	806927
						10.6	0.4	353	16.0	16.0	7.9	7.9	30.9	30.9	104.9	104.9	8.6	8.6	10.5	5.3	4	5				
C3	Fine	Rough	11:32	11.2	Surface	1.0	0.4	271	16.5	16.5	8.0	8.0	31.3	31.3	95.4	95.4	7.7	7.8	1.0	1.7	4	5	822102	817816		
						1.0	0.4	271	16.5	16.5	8.0	8.0	31.3	31.3	95.4	95.4	7.7	7.8	1.1	1.7	5	5				
					Middle	5.6	0.4	273	16.5	16.5	8.0	8.0	31.1	31.1	95.8	95.8	7.8	7.8	1.7	1.7	4	5			822102	817816
						5.6	0.4	265	16.5	16.5	8.0	8.0	31.1	31.1	95.8	95.8	7.8	7.8	1.7	1.7	5	5				
					Bottom	10.2	0.5	264	16.5	16.5	8.0	8.0	31.0	30.9	96.3	96.4	7.8	7.8	2.5	1.7	6	5			822102	817816
						10.2	0.5	267	16.5	16.5	8.0	8.0	30.9	30.9	96.4	96.4	7.8	7.8	2.4	1.7	5	5				
IM1	Cloudy	Moderate	11:38	6.4	Surface	1.0	0.1	5	16.0	16.0	7.9	7.9	31.3	31.3	102.9	102.9	8.4	8.4	4.5	4.9	7	6	818349	806453		
						1.0	0.1	11	16.0	16.0	7.9	7.9	31.3	31.3	102.9	102.9	8.4	8.4	4.5	4.9	7	6				
					Middle	3.2	0.1	16	16.0	16.0	7.9	7.9	31.3	31.3	103.0	103.0	8.4	8.4	5.0	4.9	7	6			818349	806453
						3.2	0.1	13	16.0	16.0	7.9	7.9	31.3	31.3	103.0	103.0	8.4	8.4	5.0	4.9	6	6				
					Bottom	5.4	0.2	18	16.0	16.0	8.0	8.0	31.3	31.3	103.1	103.2	8.4	8.4	5.2	4.9	5	6			818349	806453
						5.4	0.2	23	16.0	16.0	8.0	8.0	31.3	31.3	103.2	103.2	8.4	8.4	5.2	4.9	6	6				
IM2	Cloudy	Moderate	11:46	7.1	Surface	1.0	0.2	352	16.0	16.0	8.0	8.0	31.2	31.2	103.8	103.8	8.5	8.5	6.2	6.9	4	6	819202	806249		
						1.0	0.2	346	16.0	16.0	8.0	8.0	31.2	31.2	103.8	103.8	8.5	8.5	6.4	6.9	5	6				
					Middle	3.6	0.2	13	16.0	16.0	8.0	8.0	31.3	31.3	103.7	103.7	8.5	8.5	7.3	6.9	6	6			819202	806249
						3.6	0.1	6	16.0	16.0	8.0	8.0	31.3	31.3	103.7	103.7	8.5	8.5	7.1	6.9	6	6				
					Bottom	6.1	0.1	338	15.9	15.9	8.0	8.0	31.3	31.3	103.5	103.5	8.5	8.5	7.4	6.9	7	6			819202	806249
						6.1	0.2	343	15.9	15.9	8.0	8.0	31.3	31.3	103.5	103.5	8.5	8.5	6.8	6.9	8	6				
IM7	Cloudy	Moderate	12:08	8.9	Surface	1.0	0.2	321	15.9	15.9	7.9	7.9	30.9	30.9	103.2	103.2	8.5	8.5	2.5	2.5	5	5	821368	806812		
						1.0	0.2	320	15.9	15.9	7.9	7.9	30.9	30.9	103.2	103.2	8.5	8.5	2.5	2.5	5	5				
					Middle	4.5	0.2	314	15.9	15.9	7.9	7.9	30.9	30.9	103.3	103.3	8.5	8.5	2.5	2.5	5	5			821368	806812
						4.5	0.2	313	15.9	15.9	7.9	7.9	30.9	30.9	103.3	103.3	8.5	8.5	2.5	2.5	4	5				
					Bottom	7.9	0.2	319	15.9	15.9	7.9	7.9	30.9	30.9	103.2	103.2	8.5	8.5	2.6	2.5	5	5			821368	806812
						7.9	0.2	323	15.9	15.9	7.9	7.9	30.9	30.9	103.2	103.2	8.5	8.5	2.6	2.5	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 28 January 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Fine	Rough	12:35	9.4	Surface	1.0	0.4	289	15.7	15.7	8.0	8.0	31.6	31.6	103.7	103.8	8.5	8.6	1.1	1.8	5	5	822229	809838				
						1.0	0.4	296	15.7		8.0	8.0	31.6	31.6	103.9	103.8	8.5	8.6	1.1	1.8	4							
					Middle	4.7	0.3	293	15.7	8.0	8.0	31.6	31.6	104.5	104.7	8.6	8.6	1.7	1.8	5								
						4.7	0.3	294	15.7	8.0	8.0	31.6	31.6	104.8	104.7	8.6	8.6	1.6	1.8	5								
					Bottom	8.4	0.4	307	15.7	8.0	8.0	31.6	31.6	109.2	109.6	9.0	9.0	2.7	1.8	5								
						8.4	0.4	305	15.7	8.0	8.0	31.6	31.6	110.0	109.6	9.0	9.0	2.7	1.8	6								
IM11	Fine	Rough	12:31	8.0	Surface	1.0	0.4	268	15.9	15.9	7.9	7.9	31.7	31.7	102.5	102.6	8.4	8.5	1.1	1.8	5	5	821495	810545				
						1.0	0.4	268	15.9		7.9	7.9	31.7	31.7	102.7	102.6	8.4	8.5	1.1									
					Middle	4.0	0.4	263	15.9	8.0	8.0	31.7	31.7	105.8	106.0	8.6	8.6	1.7	1.8		5							
						4.0	0.4	265	15.9	8.0	8.0	31.7	31.7	106.2	106.0	8.7	8.6	1.6	1.8		5							
					Bottom	7.0	0.5	254	15.9	8.1	8.1	31.7	31.7	107.6	107.9	8.8	8.8	2.7	1.8		5							
						7.0	0.5	254	15.9	8.1	8.1	31.7	31.7	108.1	107.9	8.8	8.8	2.6	1.8		4							
IM12	Fine	Rough	12:26	7.0	Surface	1.0	0.4	280	15.9	15.9	8.0	8.0	31.7	31.7	102.7	102.8	8.4	8.6	1.1	1.4	6	5	821159	811497				
						1.0	0.4	281	15.9		8.0	8.0	31.7	31.7	102.9	102.8	8.4	8.6	1.2									
					Middle	3.5	0.4	271	15.9	8.0	8.0	31.7	31.7	106.4	106.5	8.7	8.6	1.4	1.4		4							
						3.5	0.4	269	15.9	8.0	8.0	31.7	31.7	106.6	106.5	8.7	8.6	1.4	1.4		5							
					Bottom	6.0	0.4	289	15.9	8.0	8.1	31.7	31.7	107.9	108.2	8.8	8.8	1.6	1.4		5							
						6.0	0.4	283	15.9	8.1	8.1	31.7	31.7	108.4	108.2	8.8	8.8	1.6	1.4		4							
SR1A	Fine	Rough	12:05	4.4	Surface	1.0	0.1	185	15.5	15.5	8.0	7.9	31.5	31.5	102.1	102.2	8.4	8.4	3.2	3.9	4	4	819983	812660				
						1.0	0.1	189	15.5		7.9	7.9	31.5	31.5	102.2	102.2	8.4	8.4	3.2									
					Middle	2.2	0.0	193	-	-	-	-	-	-	-	-	-	-	-		-				-	-	3.9	4
						2.2	0.0	196	-	-	-	-	-	-	-	-	-	-	-		-				-	-	4	
					Bottom	3.4	0.0	178	15.5	7.9	7.9	31.4	31.5	102.7	102.8	8.5	8.5	4.6	1.4		3							
						3.4	-	173	15.5	8.0	7.9	31.5	31.5	102.8	102.8	8.5	8.5	4.6	1.4		4							
SR2	Fine	Rough	11:49	5.2	Surface	1.0	0.1	244	15.9	15.9	8.0	8.0	31.7	31.7	109.4	109.6	8.9	9.0	1.9	2.5	4	5	821466	814157				
						1.0	0.1	247	15.9		8.0	8.0	31.7	31.7	109.8	109.6	8.9	9.0	1.8									
					Middle	-	0.1	257	-	-	-	-	-	-	-	-	-	-	-		-				-	-	2.5	5
						-	0.1	250	-	-	-	-	-	-	-	-	-	-	-		-				-	-	5	
					Bottom	4.2	0.1	265	15.9	8.0	8.0	31.5	31.6	110.9	111.1	9.1	9.1	3.2	2.5		6							
						4.2	0.1	271	15.9	8.0	8.0	31.6	31.6	111.2	111.1	9.1	9.1	3.2	2.5		5							
SR3	Cloudy	Moderate	12:16	8.9	Surface	1.0	0.3	325	16.1	16.1	8.0	8.0	30.8	30.8	105.5	105.5	8.6	8.7	2.4	2.8	8	6	822137	807563				
						1.0	0.2	320	16.1		8.0	8.0	30.8	30.8	105.5	105.5	8.6	8.7	2.4									
					Middle	4.5	0.3	350	16.0	8.0	8.0	30.8	30.8	105.8	105.8	8.7	8.7	2.8	2.8		6							
						4.5	0.3	353	16.0	8.0	8.0	30.8	30.8	105.8	105.8	8.7	8.7	2.8	2.8		5							
					Bottom	7.9	0.3	332	15.9	8.0	8.0	30.9	30.9	107.6	107.8	8.8	8.9	3.1	2.8		5							
						7.9	0.3	329	15.9	8.0	8.0	30.9	30.9	108.0	107.8	8.9	8.9	3.1	2.8		4							
SR4A	Cloudy	Moderate	11:03	8.2	Surface	1.0	0.0	274	16.0	16.0	7.9	7.9	31.2	31.2	101.0	101.0	8.2	8.2	4.0	4.6	7	9	817180	807790				
						1.0	0.0	273	16.0		7.9	7.9	31.2	31.2	101.0	101.0	8.2	8.2	4.1									
					Middle	4.1	-	296	15.8	7.9	7.9	31.2	31.2	100.4	100.4	8.2	8.2	4.8	4.6		8							
						4.1	0.0	292	15.8	7.9	7.9	31.2	31.2	100.4	100.4	8.2	8.2	4.8	4.6		9							
					Bottom	7.2	0.0	266	15.8	7.9	7.9	31.2	31.2	100.1	100.1	8.2	8.2	4.9	4.6		11							
						7.2	0.0	268	15.8	7.9	7.9	31.2	31.2	100.1	100.1	8.2	8.2	4.9	4.6		10							
SR8	Fine	Rough	12:21	4.2	Surface	1.0	-	-	16.1	16.1	7.9	7.9	31.5	31.6	107.9	108.0	8.8	8.8	1.8	2.1	6	7	820409	811646				
						1.0	-	-	16.0		7.9	7.9	31.6	31.6	108.0	108.0	8.8	8.8	1.9									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-				-	2.1	7	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-				-	7		
					Bottom	3.2	-	-	15.9	15.9	7.9	7.9	31.4	31.4	109.3	109.1	8.9	9.0	2.3		2.1				7			
						3.2	-	-	15.8	15.9	7.9	7.9	31.5	31.4	108.9	109.1	8.9	9.0	2.2		2.1				8			

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



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

Water Quality Monitoring

Water Quality Monitoring Results on 31 January 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	22:02	8.3	Surface	1.0	0.4	205	15.8	15.8	7.9	7.9	32.5	32.5	119.0	118.9	9.7	9.6	2.8	3.0	4	3	815619	804236		
						1.0	0.4	212	15.8	7.9	7.9	32.5	32.5	118.7	118.9	9.7	9.6	2.8	3.0	4						
					Middle	4.2	0.4	217	15.6	15.6	7.9	7.9	32.5	32.5	116.8	116.8	9.5	9.2	3.1	3.0	3				3	
						4.2	0.4	216	15.6	15.6	7.9	7.9	32.5	32.5	116.8	116.8	9.5	9.2	3.1	3.0	3					
					Bottom	7.3	0.4	209	15.6	15.6	7.9	7.9	32.5	32.5	112.8	112.7	9.2	9.2	3.1	3.0	3					3
						7.3	0.5	210	15.6	15.6	7.9	7.9	32.5	32.5	112.6	112.7	9.2	9.2	3.2	3.0	3					
C2	Fine	Moderate	20:39	11.0	Surface	1.0	0.4	176	15.9	15.9	7.9	7.9	32.1	32.1	117.9	118.0	9.6	9.5	1.8	2.0	5	4	825678	806951		
						1.0	0.4	170	15.9	15.9	7.9	7.9	32.1	32.1	118.0	118.0	9.6	9.5	1.9	2.0	4					
					Middle	5.5	0.4	152	15.7	15.7	8.0	8.0	32.2	32.2	114.3	114.2	9.3	9.3	2.0	2.0	3				4	
						5.5	0.5	155	15.7	15.7	8.0	8.0	32.2	32.2	114.1	114.2	9.3	9.3	2.0	2.0	4					
					Bottom	10.0	0.4	176	15.7	15.7	8.0	8.0	32.2	32.2	113.9	113.9	9.3	9.3	2.1	2.0	2					4
						10.0	0.4	169	15.7	15.7	8.0	8.0	32.2	32.2	113.8	113.9	9.3	9.3	2.1	2.0	4					
C3	Fine	Moderate	22:04	10.2	Surface	1.0	0.3	85	16.7	16.7	8.0	8.0	31.3	31.3	104.1	103.9	8.4	8.4	1.7	2.2	4	4	822116	817802		
						1.0	0.3	84	16.7	16.7	8.0	8.0	31.3	31.3	103.7	103.9	8.4	8.4	1.6	2.2	5					
					Middle	5.1	0.3	76	16.7	16.7	8.0	8.0	31.3	31.3	102.7	102.7	8.3	8.3	2.3	2.2	3				4	
						5.1	0.3	69	16.7	16.7	8.0	8.0	31.3	31.3	102.6	102.7	8.3	8.3	2.2	2.2	4					
					Bottom	9.2	0.3	55	16.7	16.8	8.0	8.0	31.2	31.2	102.2	102.2	8.2	8.2	2.7	2.2	3					4
						9.2	0.4	59	16.8	16.8	8.0	8.0	31.2	31.2	102.1	102.2	8.2	8.2	2.6	2.2	3					
IM1	Fine	Moderate	21:39	6.4	Surface	1.0	0.3	177	16.0	16.0	7.9	7.9	32.5	32.5	112.8	112.8	9.1	9.1	2.7	3.1	4	4	818337	806445		
						1.0	0.3	181	16.0	16.0	7.9	7.9	32.5	32.5	112.7	112.8	9.1	9.1	2.8	3.1	5					
					Middle	3.2	0.3	172	15.7	15.7	7.9	7.8	32.5	32.5	111.4	111.4	9.1	9.1	3.2	3.1	4				4	
						3.2	0.3	166	15.7	15.7	7.8	7.8	32.5	32.5	111.3	111.4	9.1	9.1	3.2	3.1	4					
					Bottom	5.4	0.3	176	15.7	15.7	7.8	7.8	32.5	32.5	110.1	110.0	9.0	9.0	3.4	3.1	4					4
						5.4	0.3	181	15.7	15.7	7.8	7.8	32.5	32.5	109.9	110.0	9.0	9.0	3.3	3.1	3					
IM2	Fine	Moderate	21:35	7.2	Surface	1.0	0.4	188	16.3	16.3	7.9	7.9	32.5	32.5	112.5	112.6	9.1	9.1	2.2	3.1	3	4	819182	806220		
						1.0	0.4	188	16.3	16.3	7.9	7.9	32.5	32.5	112.7	112.6	9.1	9.1	2.2	3.1	4					
					Middle	3.6	0.3	194	15.6	15.6	7.9	7.9	32.5	32.5	110.8	110.8	9.1	9.1	3.5	3.1	4				4	
						3.6	0.3	200	15.6	15.6	7.9	7.9	32.5	32.5	110.7	110.8	9.0	9.0	3.5	3.1	4					
					Bottom	6.2	0.3	190	15.6	15.6	7.9	7.9	32.5	32.5	110.0	110.0	9.0	9.0	3.5	3.1	4					4
						6.2	0.4	185	15.6	15.6	7.9	7.9	32.5	32.5	109.9	110.0	9.0	9.0	3.5	3.1	5					
IM7	Fine	Moderate	21:14	8.9	Surface	1.0	0.2	173	15.9	15.9	7.9	7.9	32.2	32.2	116.4	116.3	9.5	9.4	1.8	2.0	4	4	821353	806823		
						1.0	0.3	172	15.9	15.9	7.9	7.9	32.2	32.2	116.2	116.3	9.5	9.4	1.8	2.0	4					
					Middle	4.5	0.2	169	15.5	15.5	7.9	7.9	32.4	32.4	112.7	112.6	9.2	9.2	2.1	2.0	3				4	
						4.5	0.1	173	15.5	15.5	7.9	7.9	32.4	32.4	112.5	112.6	9.2	9.2	2.1	2.0	4					
					Bottom	7.9	0.2	160	15.4	15.4	7.9	7.9	32.5	32.5	111.0	111.0	9.1	9.1	2.1	2.0	3					4
						7.9	0.2	158	15.4	15.4	7.9	7.9	32.5	32.5	110.9	111.0	9.1	9.1	2.1	2.0	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 31 January 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Moderate	20:41	8.6	Surface	1.0	0.4	110	16.3	16.3	8.0	8.0	31.3	31.3	116.0	115.9	9.4	9.4	1.1	1.1	4	4	822240	809817				
						1.0	0.4	108	16.3	8.0	8.0	31.3	31.3	115.7	115.9	9.4	9.4	1.1	1.1	4	4							
					Middle	4.3	0.4	116	16.3	16.3	8.0	8.0	31.3	31.3	115.2	115.0	9.3	9.3	1.2	1.2	4	4						
						4.3	0.5	117	16.3	16.3	8.0	8.0	31.3	31.3	114.8	115.0	9.3	9.3	1.1	1.1	3	3						
					Bottom	7.6	0.4	97	16.3	16.3	8.0	8.0	31.3	31.3	113.9	113.7	9.2	9.2	1.2	1.2	3	3						
						7.6	0.4	98	16.3	16.3	8.0	8.0	31.3	31.3	113.4	113.7	9.2	9.2	1.3	1.3	3	3						
IM11	Fine	Moderate	21:03	9.0	Surface	1.0	0.5	91	16.3	16.3	8.1	8.1	31.3	31.3	113.7	113.4	9.2	9.2	1.0	1.0	5	5	821510	810541				
						1.0	0.5	88	16.3	16.3	8.1	8.1	31.3	31.3	113.1	113.4	9.2	9.2	1.1	1.1	5	5						
					Middle	4.5	0.5	92	16.3	16.3	8.1	8.1	31.3	31.3	111.3	109.3	9.0	9.0	1.3	1.3	4	4						
						4.5	0.5	87	16.3	16.3	8.1	8.1	31.3	31.3	107.2	109.3	8.7	8.7	1.3	1.3	4	4						
					Bottom	8.0	0.5	98	16.3	16.4	8.1	8.1	31.3	31.3	105.6	104.9	8.6	8.6	2.0	2.0	4	4						
						8.0	0.4	92	16.4	16.4	8.2	8.1	31.3	31.3	104.2	104.9	8.6	8.6	1.9	1.9	3	3						
IM12	Fine	Moderate	21:08	9.2	Surface	1.0	0.6	92	16.3	16.3	8.1	8.1	31.3	31.3	113.3	113.1	9.2	9.2	1.0	1.0	3	3	821149	811536				
						1.0	0.5	90	16.3	16.3	8.1	8.1	31.3	31.3	112.8	113.1	9.2	9.2	1.1	1.1	3	3						
					Middle	4.6	0.5	85	16.3	16.3	8.1	8.1	31.3	31.3	112.0	110.1	9.1	9.1	1.5	1.5	4	4						
						4.6	0.5	81	16.2	16.3	8.1	8.1	31.3	31.3	108.2	110.1	8.8	8.8	1.4	1.4	3	3						
					Bottom	8.2	0.5	125	16.2	16.2	8.1	8.1	31.3	31.2	106.6	106.2	8.7	8.7	2.0	2.0	3	3						
						8.2	0.6	132	16.2	16.2	8.1	8.1	31.2	31.2	105.8	106.2	8.6	8.6	1.9	1.9	4	4						
SR1A	Fine	Moderate	21:29	5.0	Surface	1.0	0.0	65	15.9	15.9	8.0	8.0	31.1	31.1	106.9	106.8	8.8	8.8	1.4	1.4	<2	<2	819975	812660				
						1.0	0.1	59	15.8	15.9	8.0	8.0	31.1	31.1	106.6	106.8	8.7	8.7	1.5	1.5	<2	<2						
					Middle	2.5	0.0	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2	2
						2.5	0.0	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2	2
					Bottom	4.0	0.0	59	15.7	15.7	8.0	8.0	31.2	30.8	104.6	103.0	8.6	8.6	2.1	2.1	2	2						
						4.0	0.0	61	15.7	15.7	8.0	8.0	30.3	30.8	101.3	103.0	8.4	8.5	2.0	2.0	3	3						
SR2	Fine	Moderate	21:42	5.8	Surface	1.0	0.4	46	16.7	16.7	8.0	8.0	31.3	31.3	113.2	112.9	9.1	9.1	1.0	1.0	2	2	821453	814150				
						1.0	0.4	47	16.7	16.7	8.0	8.0	31.3	31.3	112.5	112.9	9.1	9.1	1.1	1.1	3	3						
					Middle	-	0.4	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2	2
						-	0.5	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2	2
					Bottom	4.8	0.5	54	16.6	16.6	8.0	8.0	31.2	31.2	106.0	105.9	8.6	8.6	1.2	1.2	<2	<2						
						4.8	0.4	59	16.6	16.6	8.0	8.0	31.2	31.2	105.7	105.9	8.5	8.6	1.2	1.2	<2	<2						
SR3	Fine	Moderate	21:07	8.8	Surface	1.0	0.5	147	15.9	15.9	8.0	8.0	32.2	32.2	118.6	118.7	9.7	9.7	1.7	1.7	3	3	822133	807589				
						1.0	0.5	145	15.8	15.9	8.0	8.0	32.2	32.2	118.7	118.7	9.7	9.7	1.7	1.7	3	3						
					Middle	4.4	0.4	161	15.5	15.5	8.0	8.0	32.2	32.2	112.6	112.5	9.2	9.2	2.1	2.1	3	3						
						4.4	0.5	153	15.5	15.5	8.0	8.0	32.2	32.2	112.3	112.5	9.2	9.2	2.2	2.2	3	3						
					Bottom	7.8	0.5	157	15.4	15.4	8.0	8.0	32.2	32.2	109.2	109.2	9.0	9.0	10.5	10.5	4	4						
						7.8	0.5	154	15.4	15.4	8.0	8.0	32.2	32.2	109.1	109.2	9.0	9.0	10.2	10.2	3	3						
SR4A	Fine	Moderate	22:29	9.0	Surface	1.0	0.0	357	15.5	15.5	8.1	8.1	32.5	32.5	119.3	119.3	9.8	9.8	2.8	2.8	5	5	817182	807833				
						1.0	0.0	3	15.5	15.5	8.1	8.1	32.5	32.5	119.2	119.3	9.8	9.8	2.8	2.8	5	5						
					Middle	4.5	0.0	6	15.3	15.3	8.1	8.1	32.5	32.5	114.6	114.6	9.4	9.4	2.7	2.7	5	5						
						4.5	0.0	6	15.3	15.3	8.1	8.1	32.5	32.5	114.5	114.6	9.4	9.4	2.7	2.7	6	6						
					Bottom	8.0	0.0	24	15.4	15.4	8.2	8.2	32.5	32.5	113.7	113.7	9.3	9.3	2.7	2.7	6	6						
						8.0	0.0	17	15.4	15.4	8.2	8.2	32.5	32.5	113.7	113.7	9.3	9.3	2.7	2.7	6	6						
SR8	Fine	Moderate	21:13	5.2	Surface	1.0	-	-	16.4	16.4	8.1	8.1	31.2	31.2	110.7	110.5	9.0	9.0	1.2	1.2	3	3	820369	811629				
						1.0	-	-	16.4	16.4	8.1	8.1	31.2	31.2	110.2	110.5	8.9	8.9	1.3	1.3	3	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.2	-	-	16.4	16.4	8.1	8.1	31.2	31.1	106.7	105.8	8.6	8.6	1.7	1.7	5	5						
						4.2	-	-	16.4	16.4	8.1	8.1	31.1	31.1	104.8	105.8	8.5	8.5	1.6	1.6	4	4						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 31 January 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	Moderate	09:50	8.0	Surface	1.0	0.1	210	15.7	15.7	8.1	8.1	32.5	32.5	113.0	113.0	9.2	9.2	8.3	8.4	3	2	815642	804231		
						1.0	0.1	211	15.7		8.1		32.5		113.0		9.2		8.5		2					
					Middle	4.0	0.1	213	15.6	15.6	8.1	8.1	32.5	32.5	112.0	112.0	9.1	9.1	7.3	9.0	2	2				
						4.0	0.1	218	15.6		8.1		32.5		112.0		9.1		7.4		2					
					Bottom	7.0	0.1	208	15.6	15.6	8.2	8.2	32.4	32.4	109.6	109.6	9.0	9.0	9.0	9.0	9.6	9.0			2	2
						7.0	0.1	212	15.6		8.2		32.4		109.6		9.0		9.2		2					
C2	Fine	Moderate	11:10	11.2	Surface	1.0	0.1	190	15.8	15.8	8.0	8.0	32.0	32.1	114.1	113.9	9.3	9.3	1.8	4.0	3	3	825662	806958		
						1.0	0.2	184	15.8		8.0		32.1		113.7		9.3		1.9		3					
					Middle	5.6	0.2	182	15.6	15.6	8.0	8.0	32.1	32.1	112.5	112.5	9.2	9.2	1.9	9.1	2	3				
						5.6	0.2	187	15.6		8.0		32.1		112.4		9.2		2.0		2					
					Bottom	10.2	0.1	197	15.6	15.6	8.0	8.0	32.0	32.0	111.4	111.4	9.1	9.1	8.5	9.1	8.2	9.1			2	3
						10.2	0.1	201	15.6		8.0		32.0		111.4		9.1		8.2		3					
C3	Fine	Moderate	10:30	12.0	Surface	1.0	0.1	108	16.3	16.3	8.0	8.0	31.2	31.2	112.2	112.1	9.1	8.9	1.0	1.1	4	4	822132	817790		
						1.0	0.1	106	16.3		8.1		31.2		111.9		9.1		1.0		2					
					Middle	6.0	0.1	117	16.3	16.3	8.1	8.1	31.1	31.1	107.3	107.2	8.7	8.7	1.0	8.6	3	4				
						6.0	0.0	113	16.3		8.1		31.1		107.1		8.7		1.1		4					
					Bottom	11.0	0.0	103	16.4	16.4	8.1	8.1	31.0	31.0	106.5	106.4	8.6	8.6	1.2	8.6	4	8.6				
						11.0	0.0	97	16.4		8.1		30.9		106.2		8.6		1.2		4					
IM1	Fine	Moderate	10:15	6.3	Surface	1.0	0.1	176	15.7	15.7	8.1	8.1	32.5	32.5	109.7	109.7	8.9	8.9	2.6	2.9	3	3	818334	806464		
						1.0	0.1	181	15.7		8.1		32.5		109.7		8.9		2.6		3					
					Middle	3.2	0.1	191	15.5	15.5	8.1	8.1	32.5	32.5	108.3	108.3	8.9	8.9	3.0	8.8	3	8.8				
						3.2	0.1	188	15.5		8.1		32.5		108.3		8.9		3.0		3					
					Bottom	5.3	0.2	176	15.5	15.5	8.1	8.1	32.5	32.5	107.5	107.5	8.8	8.8	3.1	8.8	3	8.8				
						5.3	0.2	174	15.5		8.1		32.5		107.5		8.8		3.1		4					
IM2	Fine	Moderate	10:18	6.8	Surface	1.0	0.1	216	15.5	15.5	8.1	8.1	32.5	32.5	110.1	109.9	9.0	9.0	9.3	10.0	3	3	819182	806241		
						1.0	0.2	208	15.5		8.1		32.5		109.7		9.0		9.8		2					
					Middle	3.4	0.1	200	15.4	15.4	8.1	8.1	32.5	32.5	108.5	108.5	8.9	8.9	10.9	8.9	3	8.9				
						3.4	0.2	204	15.4		8.1		32.5		108.4		8.9		10.9		3					
					Bottom	5.8	0.2	231	15.3	15.3	8.1	8.1	32.5	32.5	108.2	108.2	8.9	8.9	9.3	8.9	4	8.9				
						5.8	0.1	230	15.3		8.1		32.5		108.2		8.9		9.9		3					
IM7	Fine	Moderate	10:40	8.6	Surface	1.0	0.1	214	15.8	15.8	8.1	8.1	32.2	32.2	114.4	114.4	9.3	9.1	1.6	1.9	3	4	821372	806842		
						1.0	0.2	220	15.8		8.1		32.2		114.4		9.3		1.6		3					
					Middle	4.3	0.1	192	15.4	15.4	8.1	8.1	32.3	32.3	108.9	108.9	9.0	8.9	1.6	8.9	3	8.9				
						4.3	0.1	187	15.4		8.1		32.3		108.8		8.9		1.6		4					
					Bottom	7.6	0.1	225	15.3	15.3	8.1	8.1	32.3	32.3	108.4	108.4	8.9	8.9	2.5	8.9	4	8.9				
						7.6	0.2	224	15.3		8.1		32.3		108.3		8.9		2.5		4					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

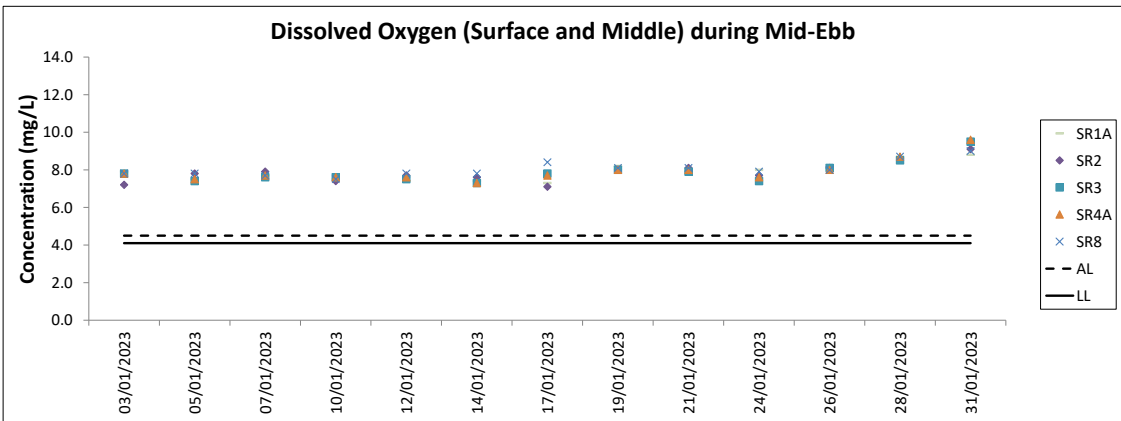
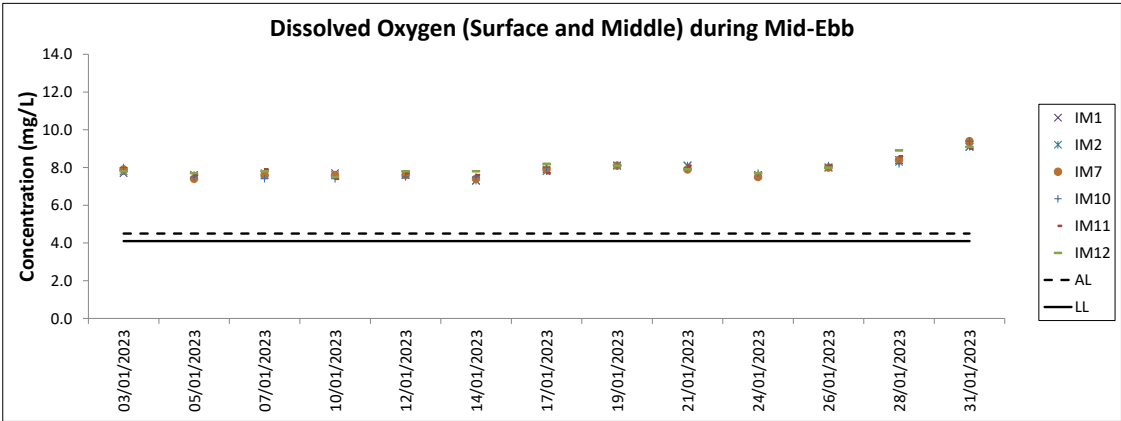
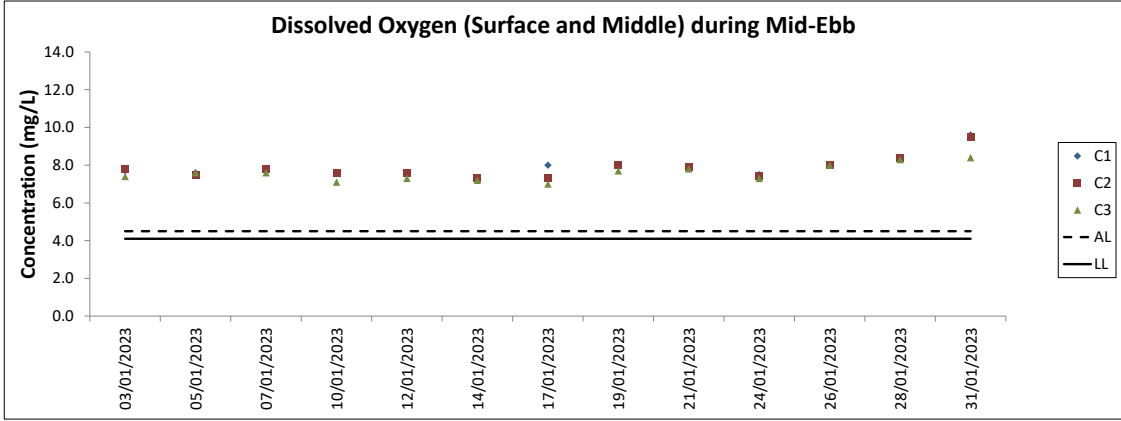
Water Quality Monitoring Results on 31 January 23 during Mid-Flood Tide

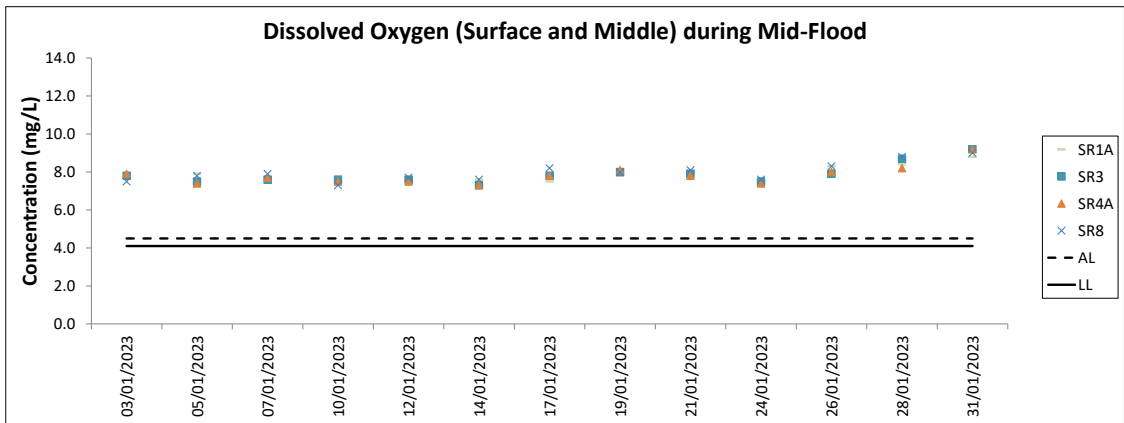
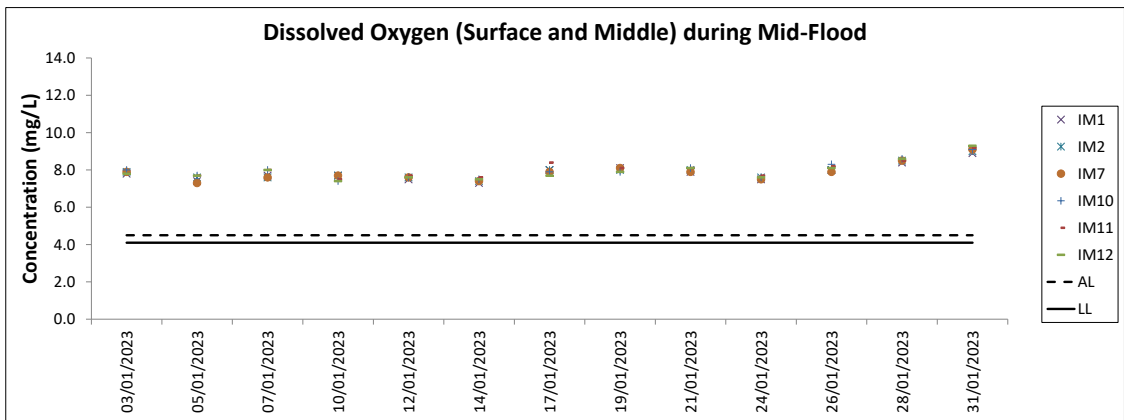
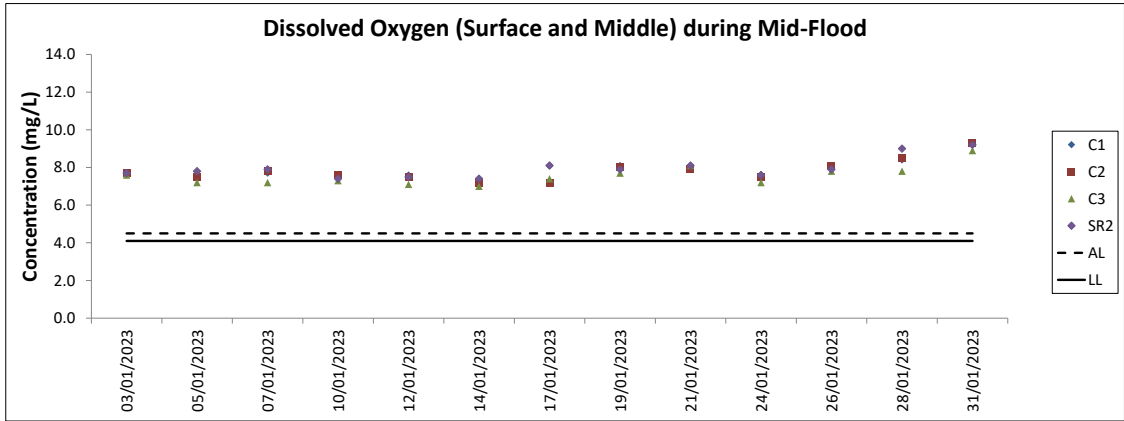
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA						
IM10	Fine	Moderate	11:26	9.0	Surface	1.0	0.0	185	16.3	16.3	8.0	8.0	31.3	31.3	112.8	112.6	9.1	9.1	1.0	1.5	3	4	822253	809861				
						1.0	0.1	180	16.3		8.0	8.0	31.3	31.3	112.4	112.6	9.1		1.1		4							
					Middle	4.5	0.0	188	16.3	16.3	8.0	8.0	31.3	31.3	111.7	111.5	9.1	9.0	1.4	2								
						4.5	0.1	181	16.3		8.0	8.0	31.3	31.3	111.3	111.5	9.0		1.3	4								
					Bottom	8.0	0.0	164	16.3	16.3	8.1	8.1	31.3	31.3	110.4	110.2	9.0	9.0	2.0	4								
						8.0	0.0	170	16.3		8.1	8.1	31.3	31.3	110.0	110.2	8.9		2.0	5								
IM11	Fine	Moderate	11:18	8.2	Surface	1.0	0.1	117	16.3	16.3	8.0	8.0	31.3	31.2	116.0	115.6	9.4	9.2	1.0	1.4	3	3	821513	810535				
						1.0	0.1	124	16.2		8.0	8.0	31.2	31.2	115.1	115.6	9.4		1.1		3							
					Middle	4.1	0.0	104	16.2	16.2	8.0	8.0	31.2	31.2	109.7	109.4	8.9	8.9	1.6	4								
						4.1	-	110	16.2		8.1	8.1	31.2	31.2	109.0	109.4	8.9		1.5	3								
					Bottom	7.2	0.1	102	16.2	16.2	8.1	8.1	31.2	31.2	107.6	107.5	8.8	8.8	1.7	4								
						7.2	0.1	107	16.2		8.1	8.1	31.2	31.2	107.4	107.5	8.7		1.7	3								
IM12	Fine	Moderate	11:13	7.2	Surface	1.0	0.0	77	16.5	16.5	8.0	8.0	31.3	31.3	117.2	117.3	9.5	9.3	1.0	1.2	<2	3	821143	811540				
						1.0	0.1	76	16.5		8.0	8.0	31.3	31.3	117.3	117.3	9.5		1.1		<2							
					Middle	3.6	0.0	93	16.2	16.2	8.0	8.0	31.3	31.3	111.1	111.0	9.0	9.0	1.2	3								
						3.6	0.1	87	16.2		8.0	8.0	31.3	31.3	110.8	111.0	9.0		1.2	2								
					Bottom	6.2	0.0	101	16.1	16.3	8.1	8.1	31.3	31.1	109.5	107.2	8.9	8.7	1.4	3								
						6.2	0.1	103	16.4		8.2	8.1	31.0	31.1	104.9	107.2	8.5		1.5	4								
SR1A	Fine	Moderate	10:52	4.6	Surface	1.0	0.0	183	16.0	16.0	8.0	8.0	31.1	31.1	107.3	107.2	8.8	8.8	1.1	1.6	2	3	819974	812657				
						1.0	0.0	189	16.0		8.0	8.0	31.1	31.1	107.1	107.2	8.8		1.1		2							
					Middle	2.3	0.0	154	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.3	0.1	157	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.6	0.0	153	16.0	16.0	8.0	8.1	31.1	31.1	106.3	106.0	8.7	8.7	2.0	3								
						3.6	0.0	158	16.0		8.1	8.1	31.1	31.1	105.6	106.0	8.7		2.0	4								
SR2	Fine	Moderate	10:41	5.4	Surface	1.0	0.1	43	16.5	16.5	8.0	8.0	31.2	31.2	113.5	113.5	9.2	9.2	1.2	1.7	3	3	821445	814147				
						1.0	0.2	41	16.5		8.0	8.0	31.2	31.2	113.4	113.5	9.2		1.3		3							
					Middle	-	0.0	44	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	0.0	39	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.4	0.1	27	16.5	16.5	8.0	8.0	31.2	31.2	113.2	113.2	9.1	9.1	2.3	2								
						4.4	0.0	26	16.5		8.0	8.0	31.2	31.2	113.2	113.2	9.1		2.2	3								
SR3	Fine	Moderate	10:46	8.8	Surface	1.0	0.2	174	15.5	15.5	8.0	8.0	32.2	32.2	112.2	112.1	9.2	9.2	1.6	2.5	2	2	822166	807574				
						1.0	0.2	169	15.5		8.0	8.0	32.2	32.2	111.9	112.1	9.2		1.6		2							
					Middle	4.4	0.2	156	15.3	15.3	8.0	8.0	32.2	32.2	110.2	110.2	9.1	9.1	3.1	2								
						4.4	0.2	160	15.3		8.0	8.0	32.2	32.2	110.1	110.2	9.1		3.2	2								
					Bottom	7.8	0.2	187	15.3	15.3	8.0	8.0	32.2	32.2	109.4	109.3	9.0	9.0	2.8	2								
						7.8	0.2	184	15.3		8.0	8.0	32.2	32.2	109.2	109.3	9.0		2.9	3								
SR4A	Fine	Moderate	09:22	8.7	Surface	1.0	0.0	284	15.2	15.2	8.0	8.0	32.2	32.2	111.8	111.8	9.2	9.2	2.6	3.0	2	3	817194	807800				
						1.0	0.0	285	15.2		8.0	8.0	32.2	32.2	111.8	111.8	9.2		2.7		2							
					Middle	4.4	0.0	277	15.2	15.2	8.0	8.0	32.2	32.2	110.9	110.9	9.1	9.1	3.0	4								
						4.4	0.1	275	15.2		8.0	8.0	32.2	32.2	110.8	110.9	9.1		3.0	3								
					Bottom	7.7	0.1	270	15.2	15.2	8.0	7.9	32.3	32.3	110.4	110.4	9.1	9.1	3.2	5								
						7.7	0.0	277	15.2		7.9	7.9	32.3	32.3	110.3	110.3	9.1		3.3	4								
SR8	Fine	Moderate	11:08	5.0	Surface	1.0	-	-	16.4	16.4	8.0	8.0	31.2	31.2	110.6	110.3	9.0	9.0	1.2	1.6	4	3	820400	811626				
						1.0	-	-	16.3		8.0	8.0	31.2	31.2	110.0	110.3	8.9		1.3		3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-			
					Bottom	4.0	-	-	16.3	16.4	8.0	8.0	31.1	30.9	107.8	107.2	8.8	8.7	1.9	2								
						4.0	-	-	16.4		8.1	8.0	30.8	30.9	106.5	107.2	8.6		1.8	3								

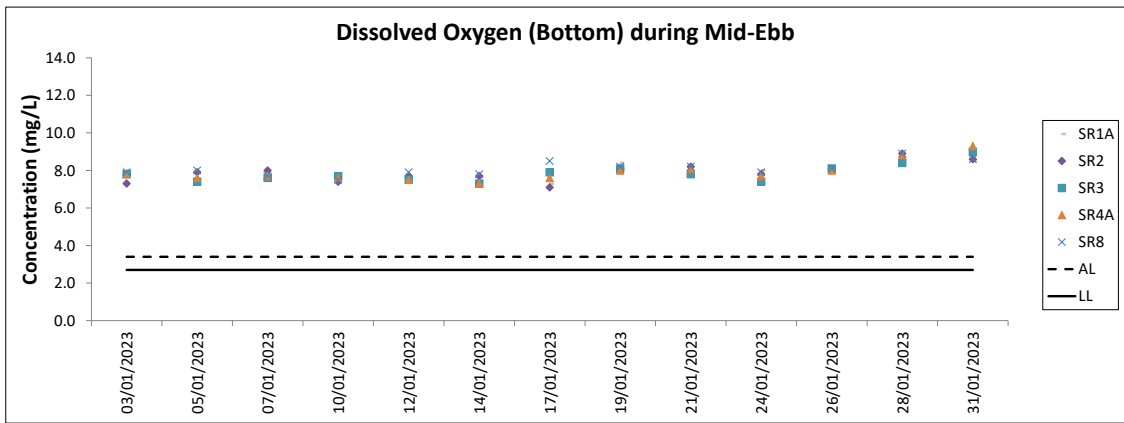
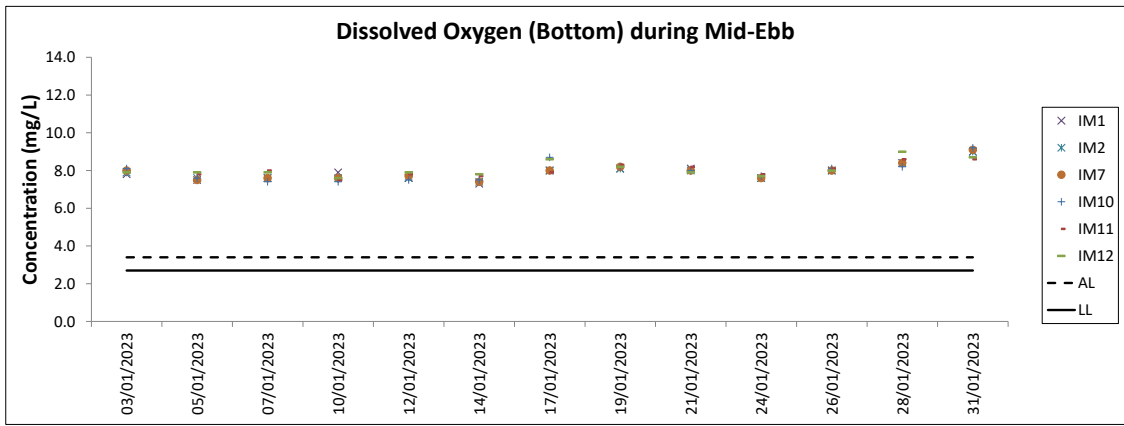
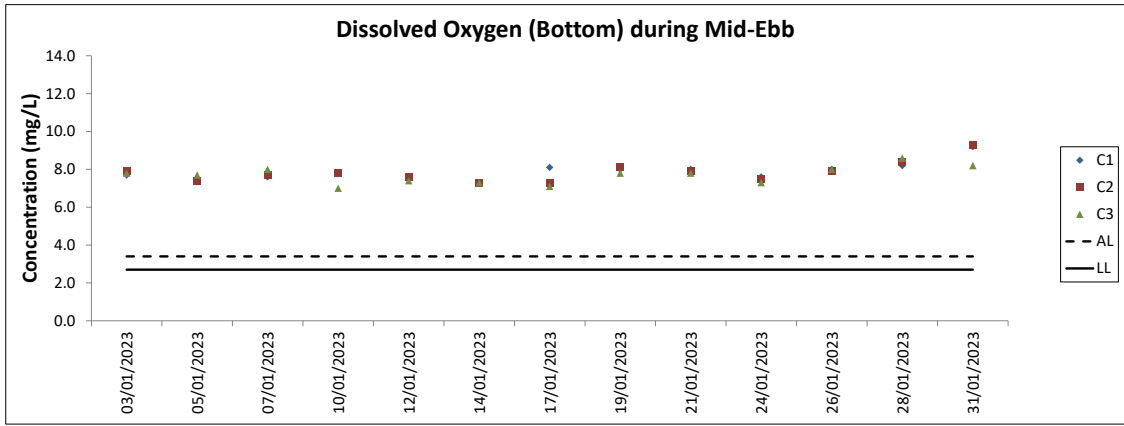
DA: Depth-Averaged

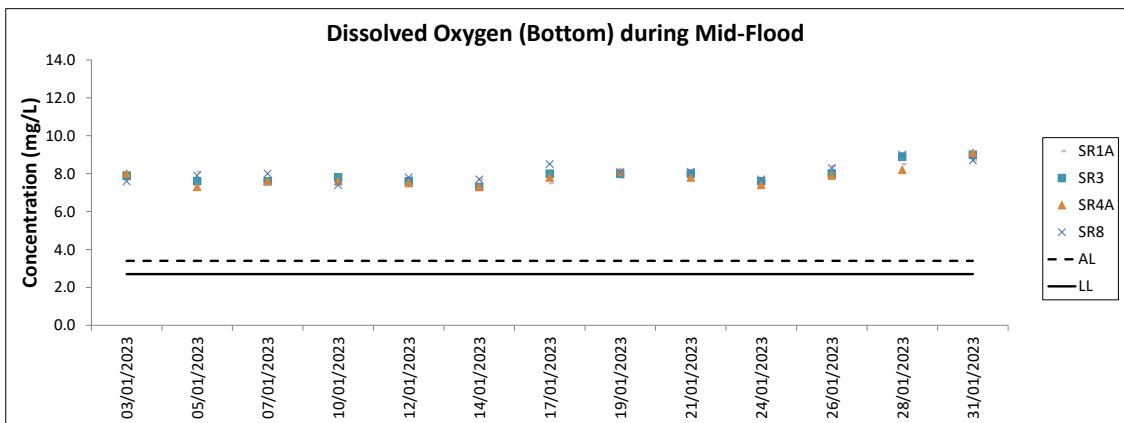
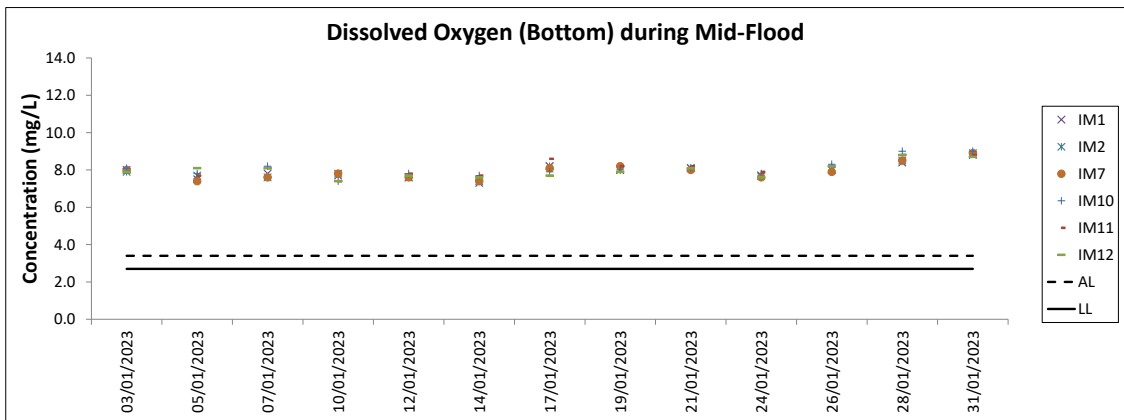
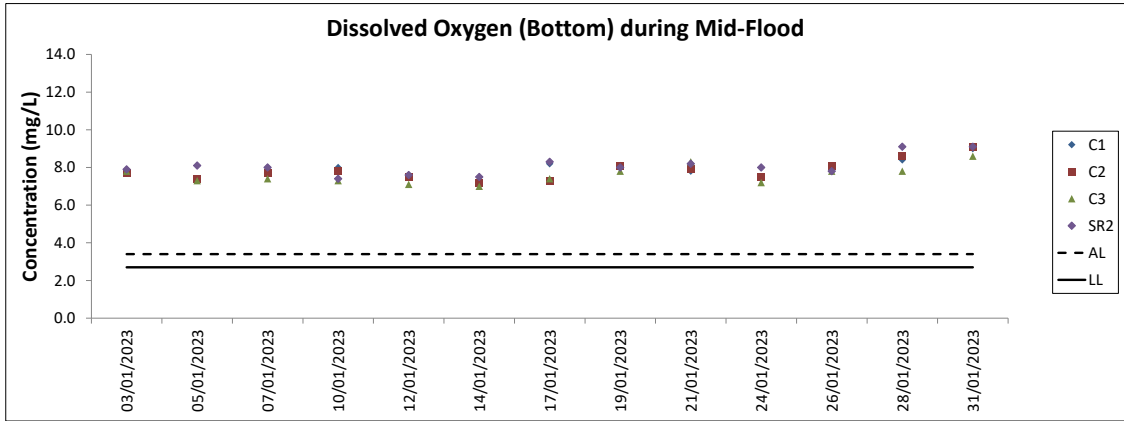
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

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

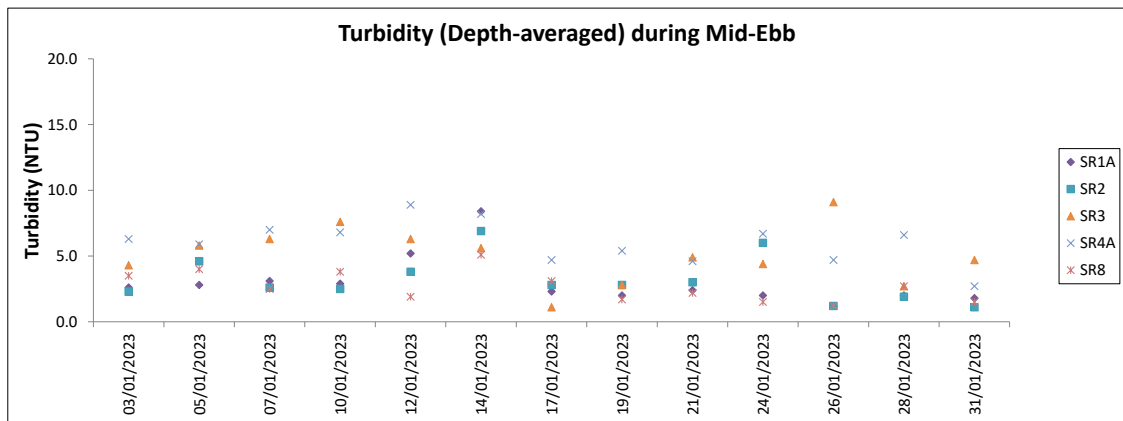
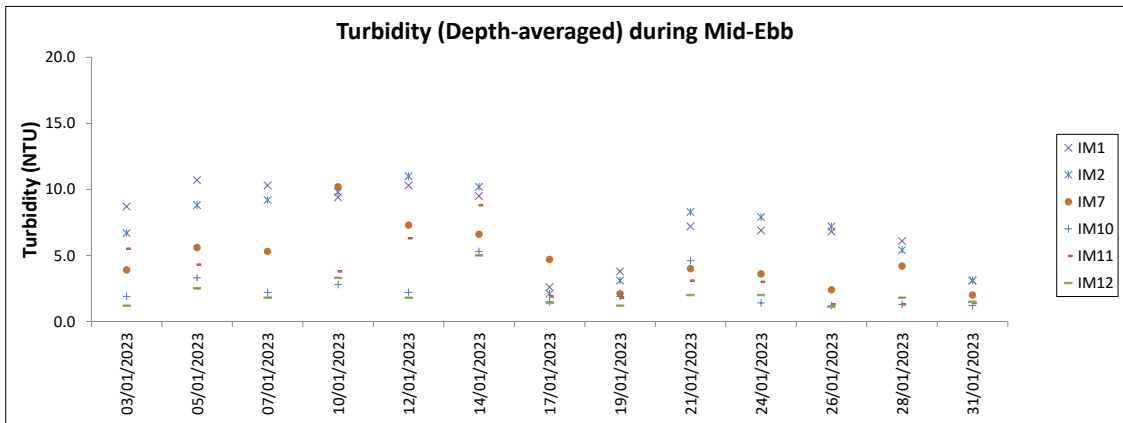
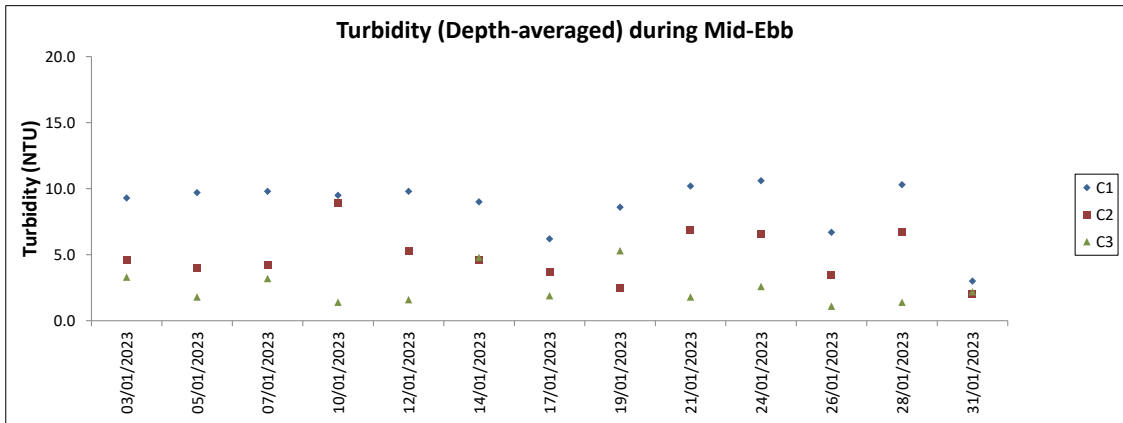




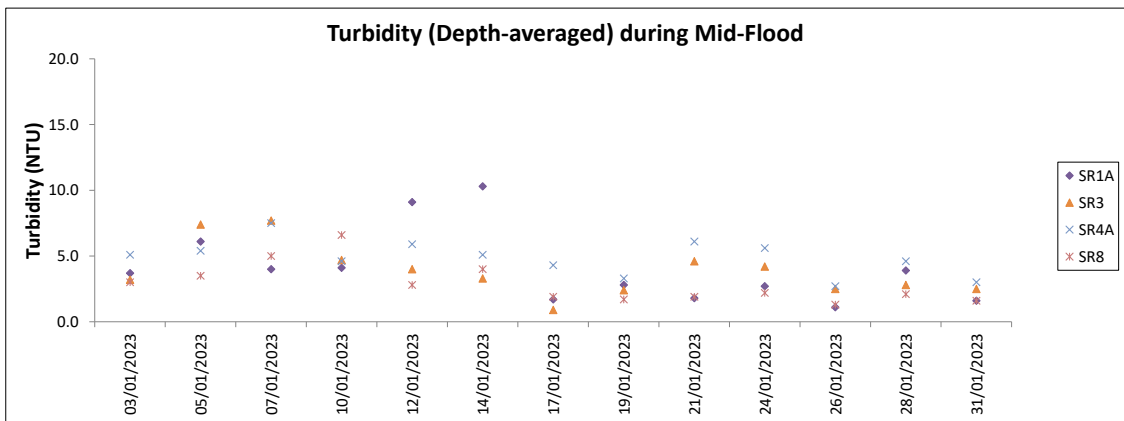
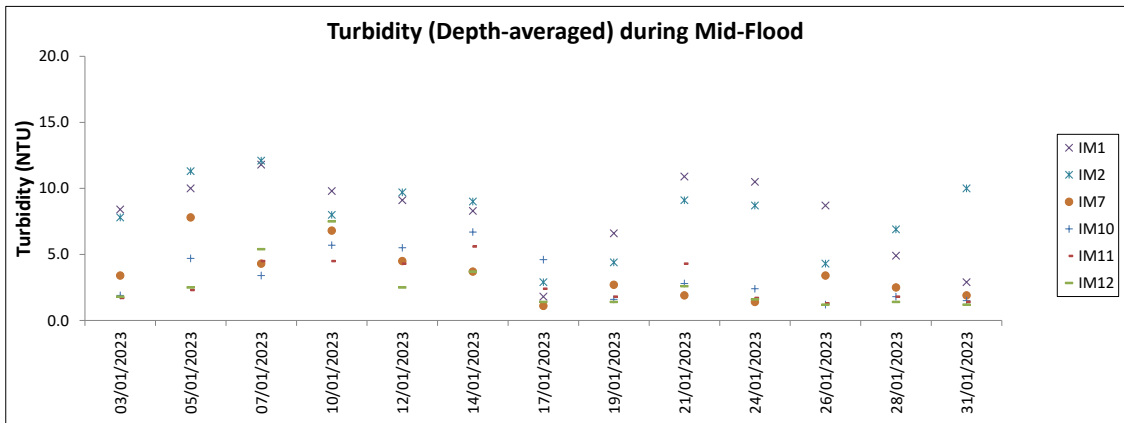
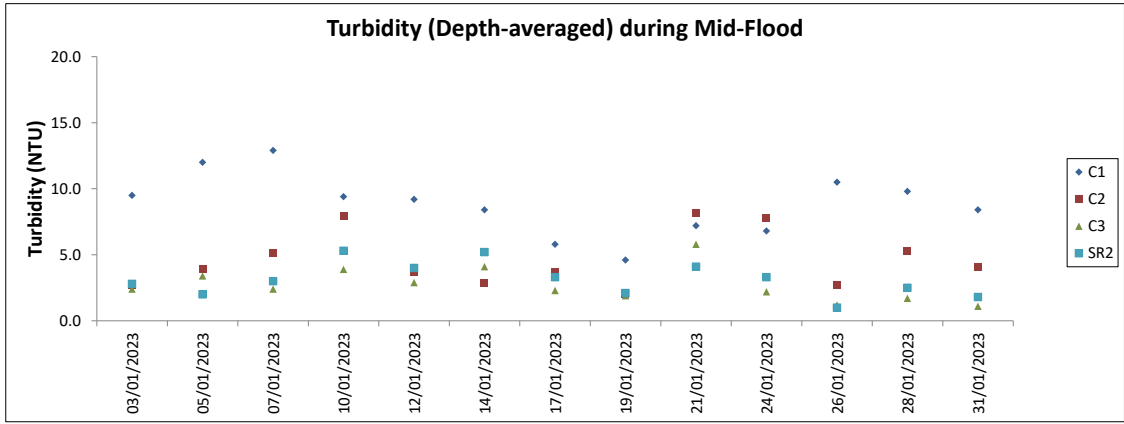




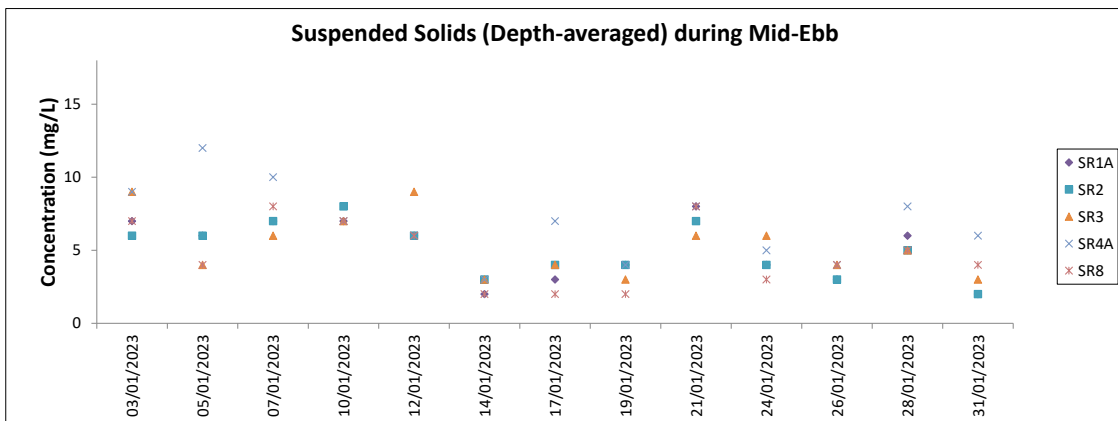
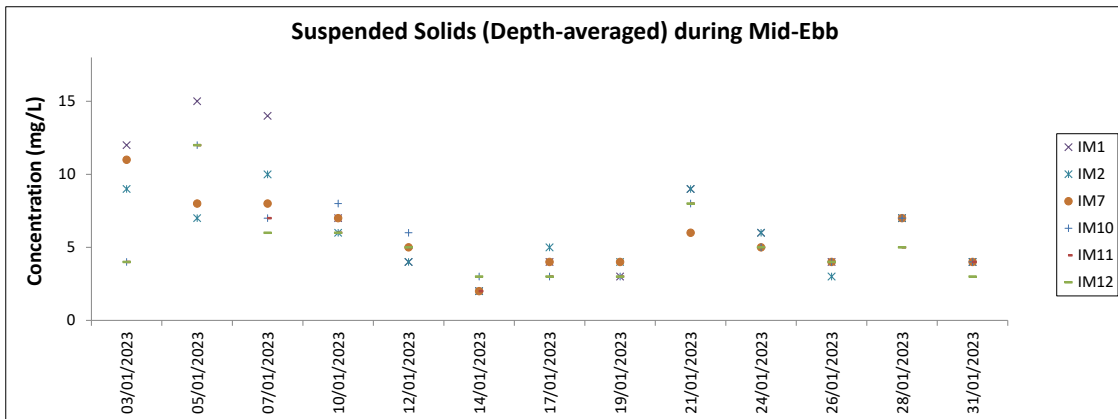
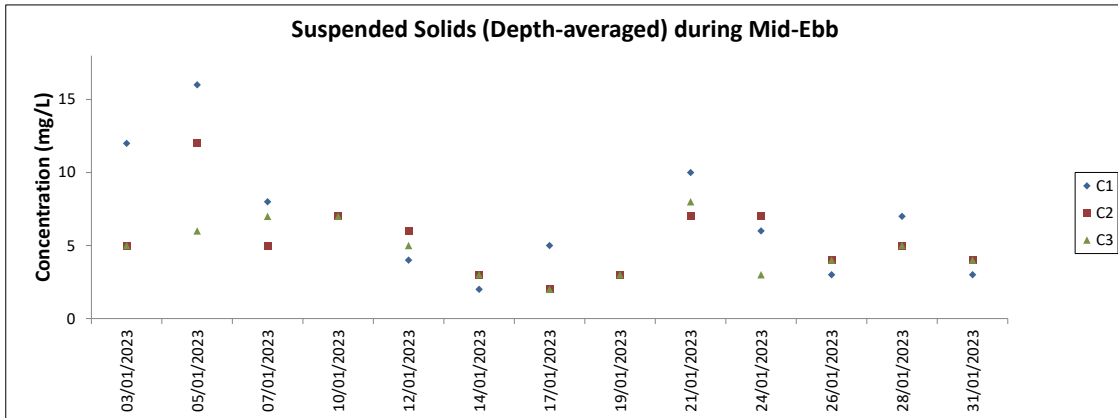




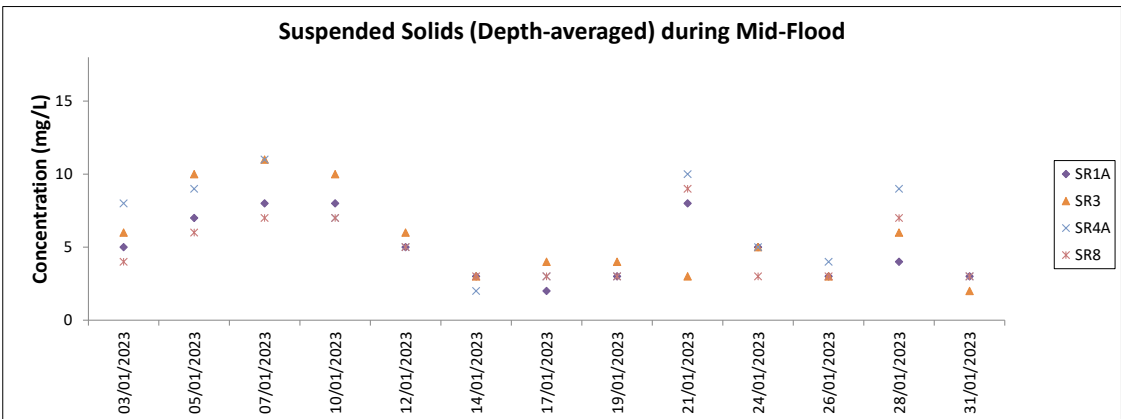
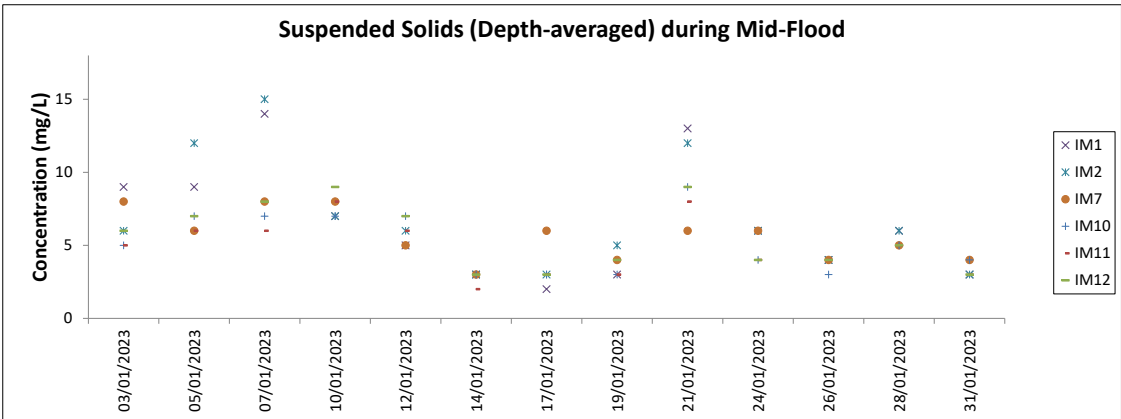
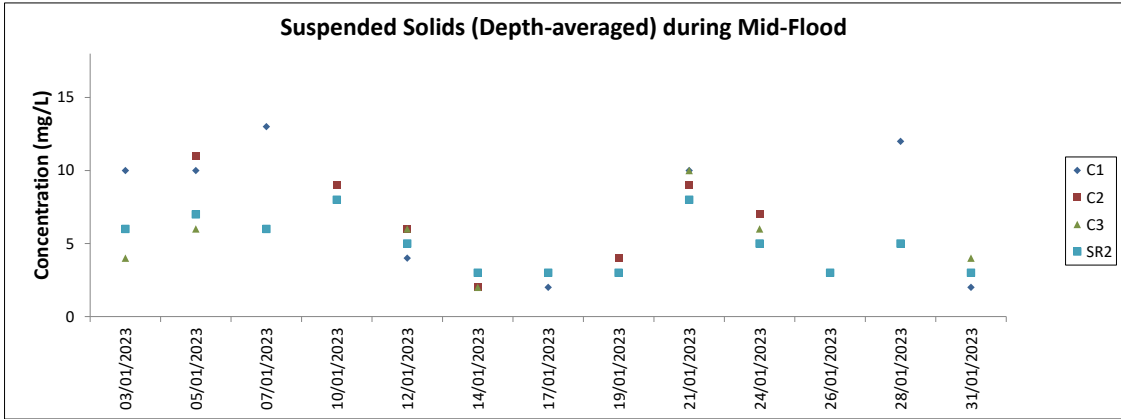
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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



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

## **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
07-Nov-22	NEL	2	37.270	AUTUMN	32166	3RS ET	P
07-Nov-22	NEL	2	9.330	AUTUMN	32166	3RS ET	S
09-Nov-22	AW	2	4.83	AUTUMN	32166	3RS ET	P
09-Nov-22	WL	2	19.620	AUTUMN	32166	3RS ET	P
09-Nov-22	WL	2	9.450	AUTUMN	32166	3RS ET	S
10-Nov-22	SWL	2	53.970	AUTUMN	32166	3RS ET	P
10-Nov-22	SWL	2	16.030	AUTUMN	32166	3RS ET	S
11-Nov-22	NWL	2	57.080	AUTUMN	32166	3RS ET	P
11-Nov-22	NWL	3	1.800	AUTUMN	32166	3RS ET	P
11-Nov-22	NWL	2	16.600	AUTUMN	32166	3RS ET	S
14-Nov-22	NEL	2	37.010	AUTUMN	32166	3RS ET	P
14-Nov-22	NEL	2	9.400	AUTUMN	32166	3RS ET	S
17-Nov-22	AW	2	4.870	AUTUMN	32166	3RS ET	P
17-Nov-22	WL	2	16.517	AUTUMN	32166	3RS ET	P
17-Nov-22	WL	3	2.199	AUTUMN	32166	3RS ET	P
17-Nov-22	WL	2	9.653	AUTUMN	32166	3RS ET	S
17-Nov-22	WL	3	1.121	AUTUMN	32166	3RS ET	S
18-Nov-22	SWL	2	34.800	AUTUMN	32166	3RS ET	P
18-Nov-22	SWL	3	18.740	AUTUMN	32166	3RS ET	P
18-Nov-22	SWL	2	8.780	AUTUMN	32166	3RS ET	S
18-Nov-22	SWL	3	7.120	AUTUMN	32166	3RS ET	S
21-Nov-22	NWL	2	36.350	AUTUMN	32166	3RS ET	P
21-Nov-22	NWL	3	27.650	AUTUMN	32166	3RS ET	P
21-Nov-22	NWL	2	2.100	AUTUMN	32166	3RS ET	S
21-Nov-22	NWL	3	9.500	AUTUMN	32166	3RS ET	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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/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
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

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
09-Nov-22	1	1001	CWD	2	WL	2	189	ON	3RS ET	22.2992	113.8612	AUTUMN	NONE	P
09-Nov-22	2	1138	CWD	1	WL	2	139	ON	3RS ET	22.2239	113.8248	AUTUMN	NONE	P
09-Nov-22	3	1209	CWD	3	WL	2	84	ON	3RS ET	22.2026	113.8231	AUTUMN	NONE	S
09-Nov-22	4	1235	CWD	1	WL	2	760	ON	3RS ET	22.1873	113.8394	AUTUMN	NONE	P
10-Nov-22	1	1338	FP	1	SWL	2	2	ON	3RS ET	22.1833	113.8877	AUTUMN	NONE	P
11-Nov-22	1	0947	CWD	1	NWL	2	222	ON	3RS ET	22.3847	113.8707	AUTUMN	NONE	P
17-Nov-22	1	1031	CWD	7	WL	2	188	ON	3RS ET	22.2612	113.8457	AUTUMN	NONE	P
17-Nov-22	2	1119	CWD	2	WL	2	18	ON	3RS ET	22.2318	113.8288	AUTUMN	NONE	P
17-Nov-22	3	1141	CWD	1	WL	2	50	ON	3RS ET	22.2235	113.8297	AUTUMN	NONE	P
17-Nov-22	4	1202	CWD	2	WL	2	110	ON	3RS ET	22.2147	113.8255	AUTUMN	NONE	P
17-Nov-22	5	1234	CWD	1	WL	2	83	ON	3RS ET	22.2048	113.8332	AUTUMN	NONE	P
17-Nov-22	6	1300	CWD	2	WL	3	145	ON	3RS ET	22.1960	113.8392	AUTUMN	NONE	P
18-Nov-22	1	1034	FP	1	SWL	2	66	ON	3RS ET	22.1727	113.9360	AUTUMN	NONE	P
18-Nov-22	2	1100	FP	1	SWL	2	43	ON	3RS ET	22.1705	113.9277	AUTUMN	NONE	P
18-Nov-22	3	1159	FP	4	SWL	3	13	ON	3RS ET	22.1544	113.9048	AUTUMN	NONE	S
18-Nov-22	4	1451	CWD	2	SWL	3	665	ON	3RS ET	22.1914	113.8488	AUTUMN	NONE	P
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



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

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 447.890 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 7 on-effort sightings and total number of 19 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in January 2023 are shown as below:

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

$$STG = \frac{7}{447.890} \times 100 = 1.56$$

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

$$ANI = \frac{19}{447.890} \times 100 = 4.24$$

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

A total of 1303.694 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 25 on-effort sightings and total number of 63 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

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









$$STG = \frac{25}{1303.694} \times 100 = 1.92$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)

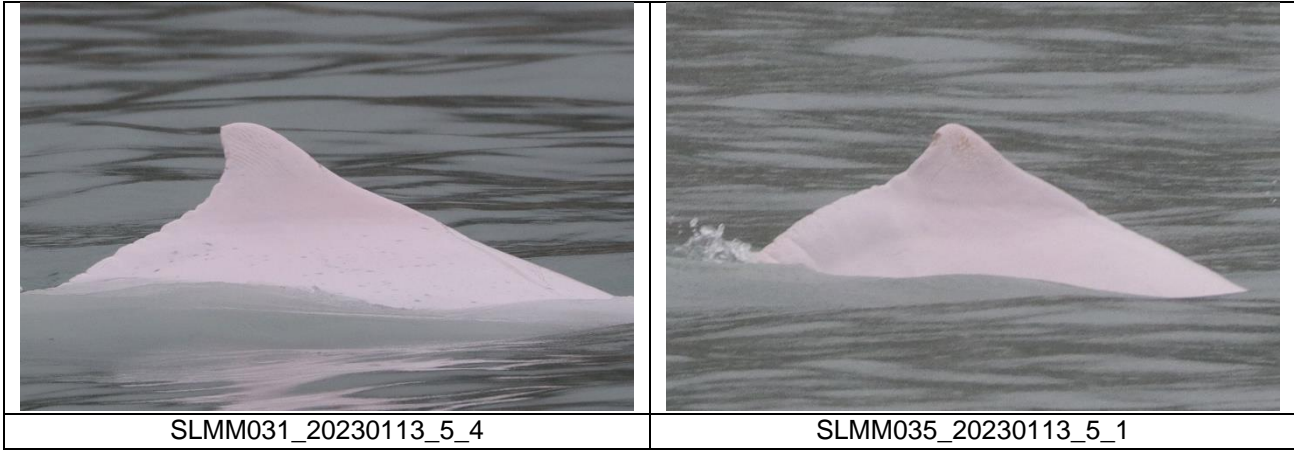
$$ANI = \frac{63}{1303.694} \times 100 = 4.83$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM086_20230106_1_3	NLMM087_20230106_1_8
	
WLMM043_20230106_1_6	WLMM071_20230106_1_5
	
NLMM021_20230106_2_2	NLMM028_20230106_2_9
	
NLMM085_20230106_2_3	NLMM040_20230109_1_1

	
NLMM041_20230109_1_1	NLMM040_20230109_2_1
	
NLMM041_20230109_2_1	WLMM019_20230109_3_5
	
WLMM043_20230109_3_4	WLMM067_20230109_3_5
	
WLMM122_20230109_3_8	SLMM014_20230113_3_5



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

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
17/Jan/23	Sha Chau	10:42	16:42	6:00	2	3	0	NA
19/Jan/23	Lung Kwu Chau	8:42	14:42	6:00	2-3	3	2	3-4

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