

## **Appendix D. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

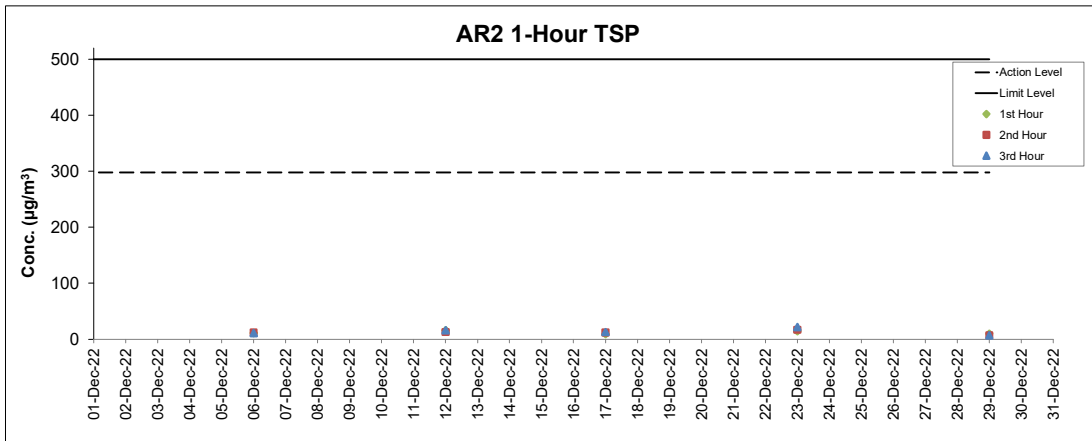
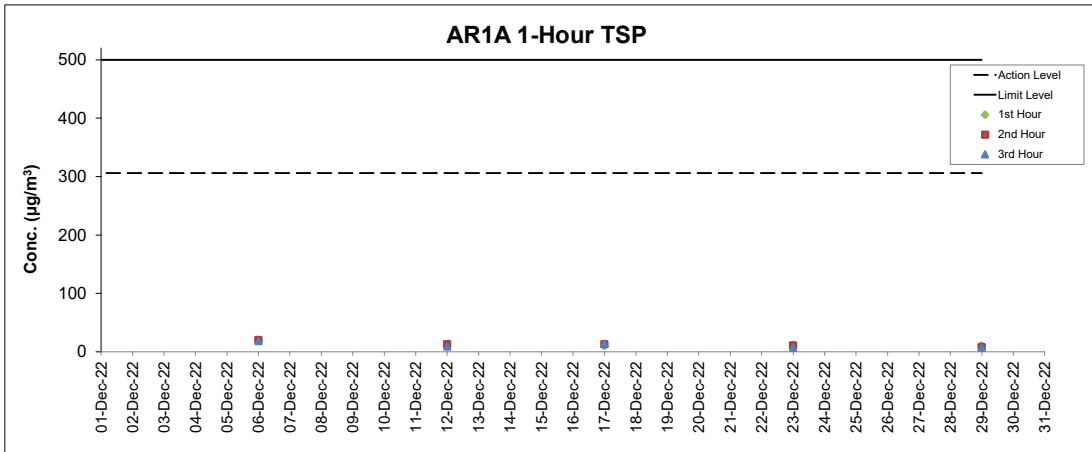
**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
6-Dec-22	8:24	Cloudy	3.9	1	20	306	500
6-Dec-22	9:24	Cloudy	3.9	347	20	306	500
6-Dec-22	10:24	Cloudy	3.6	1	18	306	500
12-Dec-22	8:02	Cloudy	5.0	14	10	306	500
12-Dec-22	9:02	Cloudy	4.7	1	13	306	500
12-Dec-22	10:02	Cloudy	4.2	8	9	306	500
17-Dec-22	10:43	Cloudy	6.4	12	10	306	500
17-Dec-22	11:43	Cloudy	7.8	11	13	306	500
17-Dec-22	12:43	Cloudy	8.3	12	14	306	500
23-Dec-22	14:42	Sunny	3.9	Variable	12	306	500
23-Dec-22	15:42	Sunny	3.3	275	11	306	500
23-Dec-22	16:42	Sunny	2.8	246	7	306	500
29-Dec-22	13:35	Sunny	4.4	317	11	306	500
29-Dec-22	14:35	Sunny	4.7	319	8	306	500
29-Dec-22	15:35	Sunny	3.3	322	7	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 ( $\mu\text{g}/\text{m}^3$ )
6-Dec-22	12:16	Cloudy	4.4	325	11	298	500
6-Dec-22	13:16	Cloudy	5.0	322	12	298	500
6-Dec-22	14:16	Cloudy	4.7	336	11	298	500
12-Dec-22	12:21	Cloudy	5.3	356	16	298	500
12-Dec-22	13:21	Cloudy	6.7	357	13	298	500
12-Dec-22	14:21	Cloudy	6.4	1	16	298	500
17-Dec-22	14:31	Cloudy	5.8	5	9	298	500
17-Dec-22	15:31	Cloudy	6.7	16	12	298	500
17-Dec-22	16:31	Cloudy	7.5	2	13	298	500
23-Dec-22	8:55	Sunny	5.0	44	14	298	500
23-Dec-22	9:55	Sunny	4.2	42	17	298	500
23-Dec-22	10:55	Sunny	2.8	78	22	298	500
29-Dec-22	8:31	Sunny	3.1	16	10	298	500
29-Dec-22	9:31	Sunny	3.9	52	7	298	500
29-Dec-22	10:31	Sunny	3.9	354	7	298	500



**Notes**

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

## **Noise Monitoring Results**

**Noise Measurement Results**  
**Station: NM1A- Man Tung Road Park**

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
6-Dec-22	Cloudy	7:21	50.7	44.6	51
6-Dec-22	Cloudy	7:26	49.9	44.2	
6-Dec-22	Cloudy	7:31	49.6	44.3	
6-Dec-22	Cloudy	7:36	49.8	45.8	
6-Dec-22	Cloudy	7:41	49.8	45.2	
6-Dec-22	Cloudy	7:46	49.3	45.6	
12-Dec-22	Cloudy	8:01	52.7	48.7	54
12-Dec-22	Cloudy	8:06	52.7	48.7	
12-Dec-22	Cloudy	8:11	52.2	48.1	
12-Dec-22	Cloudy	8:16	51.5	47.5	
12-Dec-22	Cloudy	8:21	52.5	47.8	
12-Dec-22	Cloudy	8:26	52.2	47.2	
23-Dec-22	Sunny	13:40	57.4	51.4	61
23-Dec-22	Sunny	13:45	57.7	51.8	
23-Dec-22	Sunny	13:50	60.2	51.1	
23-Dec-22	Sunny	13:55	62.1	51.4	
23-Dec-22	Sunny	14:00	61.4	53.9	
23-Dec-22	Sunny	14:05	61.7	52.6	
29-Dec-22	Sunny	13:51	62.0	58.2	63
29-Dec-22	Sunny	13:56	62.1	58.1	
29-Dec-22	Sunny	14:01	62.9	57.6	
29-Dec-22	Sunny	14:06	62.5	57.7	
29-Dec-22	Sunny	14:11	61.8	58.0	
29-Dec-22	Sunny	14:16	62.7	58.4	

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

**Noise Measurement Results**  
**Station: NM4- Ching Chung Hau Po Woon Primary School**

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
2-Dec-22	Overcast	10:51	69.2	57.9	66
2-Dec-22	Overcast	10:56	62.1	57.6	
2-Dec-22	Overcast	11:01	62.8	56.4	
2-Dec-22	Overcast	11:06	62.0	56.7	
2-Dec-22	Overcast	11:11	63.0	57.3	
2-Dec-22	Overcast	11:16	64.7	57.2	
8-Dec-22	Sunny	13:21	63.9	60.8	63
8-Dec-22	Sunny	13:26	63.6	61.0	
8-Dec-22	Sunny	13:31	61.1	55.3	
8-Dec-22	Sunny	13:36	60.8	56.5	
8-Dec-22	Sunny	13:41	61.4	55.7	
8-Dec-22	Sunny	13:46	60.9	55.3	
15-Dec-22	Overcast	11:44	63.9	60.9	64
15-Dec-22	Overcast	11:49	#REF!	60.3	
15-Dec-22	Overcast	11:54	62.9	60.4	
15-Dec-22	Overcast	11:59	61.7	58.3	
15-Dec-22	Overcast	12:04	61.4	56.9	
15-Dec-22	Overcast	12:09	62.0	57.8	
22-Dec-22	Sunny	13:44	77.2	56.2	66*
22-Dec-22	Sunny	13:49	63.8	55.1	
22-Dec-22	Sunny	13:54	62.6	55.4	
22-Dec-22	Sunny	13:59	63.3	55.2	
22-Dec-22	Sunny	14:04	70.3	56.9	
22-Dec-22	Sunny	14:09	65.4	57.1	
30-Dec-22	Sunny	11:23	61.8	56.3	62
30-Dec-22	Sunny	11:28	62.7	56.9	
30-Dec-22	Sunny	11:33	60.3	55.3	
30-Dec-22	Sunny	11:38	62.0	56.0	
30-Dec-22	Sunny	11:43	60.7	54.2	
30-Dec-22	Sunny	11:48	60.9	54.9	

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>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
6-Dec-22	Cloudy	11:13	53.9	49.4	57
6-Dec-22	Cloudy	11:18	54.6	50.7	
6-Dec-22	Cloudy	11:23	53.6	49.9	
6-Dec-22	Cloudy	11:28	56.9	50.1	
6-Dec-22	Cloudy	11:33	54.7	49.7	
6-Dec-22	Cloudy	11:38	54.7	49.9	
12-Dec-22	Cloudy	11:42	56.5	51.9	57
12-Dec-22	Cloudy	11:47	56.2	52.0	
12-Dec-22	Cloudy	11:52	57.2	51.8	
12-Dec-22	Cloudy	11:57	56.0	51.2	
12-Dec-22	Cloudy	12:02	55.5	50.6	
12-Dec-22	Cloudy	12:07	56.4	51.4	
23-Dec-22	Sunny	10:11	60.4	49.6	59
23-Dec-22	Sunny	10:16	54.5	46.9	
23-Dec-22	Sunny	10:21	61.1	51.8	
23-Dec-22	Sunny	10:26	52.2	46.6	
23-Dec-22	Sunny	10:31	54.7	48.6	
23-Dec-22	Sunny	10:36	60.3	48.4	
29-Dec-22	Sunny	10:24	52.6	46.9	57
29-Dec-22	Sunny	10:29	53.7	49.4	
29-Dec-22	Sunny	10:34	52.6	48.4	
29-Dec-22	Sunny	10:39	54.7	49.0	
29-Dec-22	Sunny	10:44	59.7	49.7	
29-Dec-22	Sunny	10:49	55.5	48.5	

Remarks:

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

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

### Noise Measurement Results

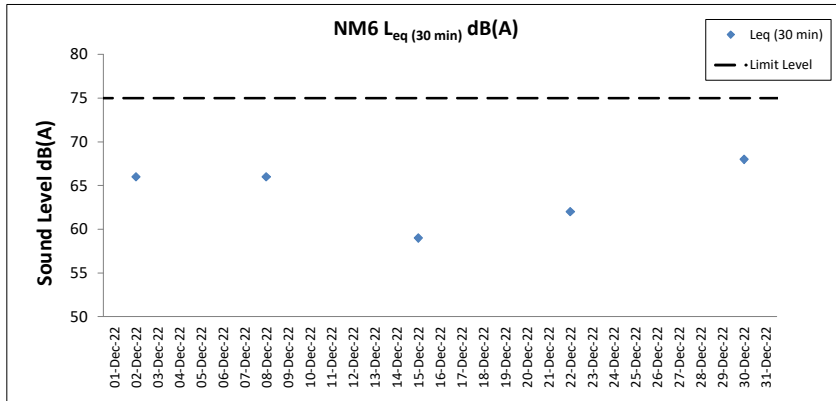
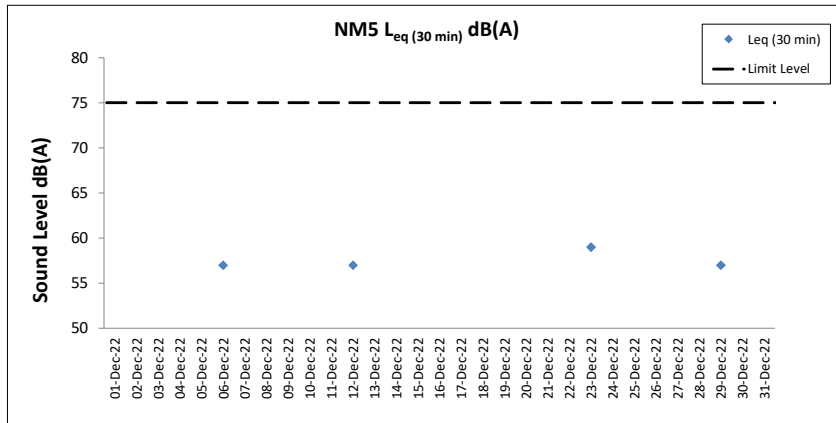
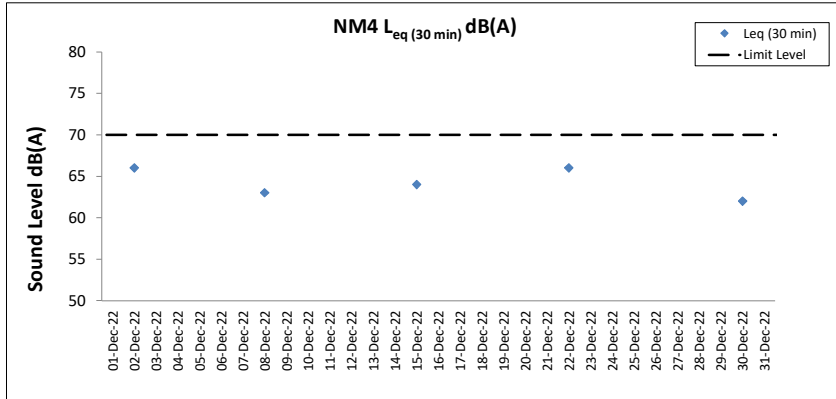
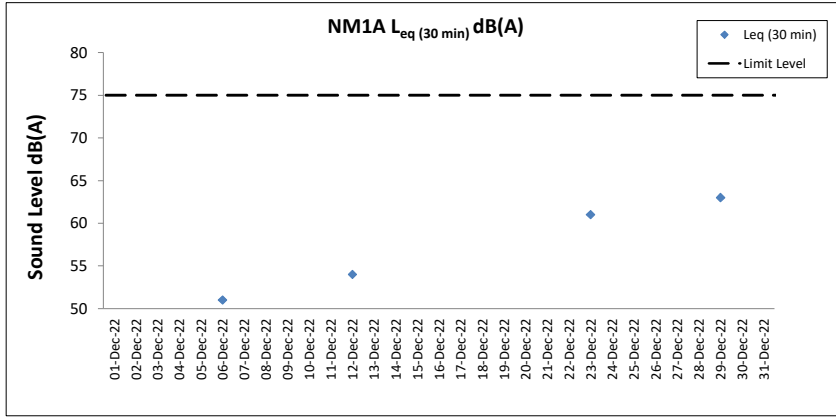
#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
2-Dec-22	Overcast	9:43	75.0	57.1	66*
2-Dec-22	Overcast	9:48	74.2	48.7	
2-Dec-22	Overcast	9:53	65.8	50.0	
2-Dec-22	Overcast	9:58	69.6	49.3	
2-Dec-22	Overcast	10:03	65.1	48.7	
2-Dec-22	Overcast	10:08	55.5	47.1	
8-Dec-22	Sunny	15:38	68.7	54.0	66*
8-Dec-22	Sunny	15:43	73.1	53.5	
8-Dec-22	Sunny	15:48	60.5	44.7	
8-Dec-22	Sunny	15:53	51.7	45.5	
8-Dec-22	Sunny	15:58	53.8	46.7	
8-Dec-22	Sunny	16:03	68.6	44.3	
15-Dec-22	Overcast	13:28	57.2	53.9	59
15-Dec-22	Overcast	13:33	56.1	52.4	
15-Dec-22	Overcast	13:38	56.8	52.8	
15-Dec-22	Overcast	13:43	57.2	53.3	
15-Dec-22	Overcast	13:48	56.9	52.6	
15-Dec-22	Overcast	13:53	57.8	52.5	
22-Dec-22	Sunny	15:40	57.6	48.1	62
22-Dec-22	Sunny	15:45	58.9	44.1	
22-Dec-22	Sunny	15:50	62.1	49.8	
22-Dec-22	Sunny	15:55	62.2	48.4	
22-Dec-22	Sunny	16:00	65.9	49.3	
22-Dec-22	Sunny	16:05	58.4	51.2	
30-Dec-22	Sunny	9:41	72.9	63.5	68*
30-Dec-22	Sunny	9:46	71.0	60.3	
30-Dec-22	Sunny	9:51	74.2	64.9	
30-Dec-22	Sunny	9:56	70.0	54.4	
30-Dec-22	Sunny	10:01	62.7	58.0	
30-Dec-22	Sunny	10:06	62.7	58.0	

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 01 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Rough	19:30	8.2	Surface	1.0	0.1	207	23.3	23.3	8.2	8.2	28.7	28.8	87.8	87.8	6.4	6.4	7.1	8.9	8	9	815613	804225
						1.0	0.1	212	23.2		8.2	8.2	28.9	28.8	87.7	87.8	6.4		7.4					
					Middle	4.1	0.1	216	23.0	23.0	8.2	8.2	29.7	29.7	87.7	87.8	6.4	6.4	10.9	9				
						4.1	0.2	210	23.0		8.2	8.2	29.7	29.7	87.8	87.8	6.4		11.6					
					Bottom	7.2	0.1	196	23.0	23.0	8.2	8.2	29.8	29.8	88.5	88.6	6.4	6.4	8.5	10				
						7.2	0.1	202	23.0		8.2	8.2	29.8	29.8	88.6	88.6	6.4		7.8					
C2	Cloudy	Rough	21:00	10.9	Surface	1.0	0.5	162	23.1	23.1	8.0	8.0	25.4	25.5	88.3	88.3	6.6	6.6	5.6	8.3	10	10	825670	806945
						1.0	0.5	160	23.0		8.0	8.0	25.5	25.5	88.2	88.3	6.6		5.6					
					Middle	5.5	0.5	187	22.7	22.7	8.1	8.1	26.2	26.2	87.9	88.0	6.6	6.6	8.8	10				
						5.5	0.4	190	22.6		8.1	8.1	26.3	26.2	88.0	88.0	6.6		9.6					
					Bottom	9.9	0.4	185	22.5	22.5	8.1	8.1	28.3	28.3	89.5	89.6	6.6	6.6	10.0	9				
						9.9	0.4	182	22.5		8.1	8.1	28.3	28.3	89.6	89.6	6.6		10.3					
C3	Misty	Moderate	20:30	10.2	Surface	1.0	0.1	64	22.8	22.8	8.0	8.0	31.0	31.0	88.7	88.8	6.4	6.5	2.7	3.3	6	8	822131	817797
						1.0	0.1	64	22.8		8.0	8.0	31.0	31.0	88.8	88.8	6.4		2.6					
					Middle	5.1	0.2	64	22.8	22.8	7.9	7.9	31.0	31.0	89.5	89.7	6.5	6.5	3.2	8				
						5.1	0.1	59	22.8		7.9	7.9	31.0	31.0	89.8	89.7	6.5		3.3					
					Bottom	9.2	0.2	97	22.8	22.8	7.9	7.9	30.9	30.9	94.1	94.5	6.8	6.8	4.1	8				
						9.2	0.2	90	22.8		7.9	7.9	30.9	30.9	94.9	94.5	6.8		4.0					
IM1	Cloudy	Rough	19:52	6.8	Surface	1.0	0.1	198	22.2	22.2	8.1	8.1	29.3	29.3	90.6	90.6	6.6	6.5	6.4	7.0	8	9	818327	806452
						1.0	0.1	192	22.2		8.1	8.1	29.4	29.3	90.5	90.6	6.6		6.4					
					Middle	3.4	0.1	189	22.4	22.4	8.1	8.1	29.8	29.9	89.3	88.7	6.5	6.5	6.8	8				
						3.4	0.2	192	22.4		8.1	8.1	30.0	29.9	88.0	88.7	6.4		7.4					
					Bottom	5.8	0.1	209	22.5	22.5	8.1	8.1	30.0	30.0	83.9	83.9	6.1	6.1	7.3	10				
						5.8	0.1	205	22.5		8.1	8.1	29.9	30.0	83.8	83.9	6.1		7.7					
IM2	Cloudy	Rough	19:57	7.6	Surface	1.0	0.2	186	22.3	22.4	8.1	8.1	29.7	29.7	88.9	88.8	6.5	6.4	5.3	6.1	10	12	819169	806233
						1.0	0.1	183	22.4		8.1	8.1	29.8	29.7	88.7	88.8	6.4		5.3					
					Middle	3.8	0.1	202	22.6	22.6	8.1	8.1	30.5	30.5	88.1	88.1	6.4	6.4	6.7	11				
						3.8	0.1	202	22.6		8.1	8.1	30.5	30.5	88.1	88.1	6.4		6.5					
					Bottom	6.6	0.2	211	22.6	22.6	8.1	8.1	30.5	30.5	87.9	87.9	6.3	6.3	6.1	13				
						6.6	0.2	216	22.6		8.1	8.1	30.5	30.5	87.9	87.9	6.3		6.8					
IM7	Cloudy	Rough	20:21	8.7	Surface	1.0	0.1	169	22.5	22.5	8.0	8.0	28.2	28.2	90.7	90.8	6.6	6.7	3.6	4.5	10	9	821333	806837
						1.0	0.1	162	22.5		8.0	8.0	28.2	28.2	90.8	90.8	6.6		3.6					
					Middle	4.4	0.1	183	22.5	22.5	8.0	8.0	28.4	28.4	91.0	91.1	6.7	6.7	4.2	9				
						4.4	0.1	188	22.5		8.0	8.0	28.4	28.4	91.1	91.1	6.7		4.4					
					Bottom	7.7	0.1	180	22.5	22.5	8.0	8.0	28.8	28.8	91.9	92.0	6.7	6.7	5.5	9				
						7.7	0.1	182	22.5		8.0	8.0	28.8	28.8	92.0	92.0	6.7		5.6					

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

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

**Water Quality Monitoring Results on 01 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	19:12	8.0	Surface	1.0	0.1	98	22.8	22.8	7.9	7.9	28.8	28.8	92.2	6.7	6.8	6.4	5.1	9	822242	809823		
						1.0	0.1	92	22.8		7.9		28.8		92.4	6.7			5.2					
					Middle	4.0	0.2	102	22.8	7.9	7.9	28.8	28.8	93.4	6.8	6.7	6.7	6.7						
						4.0	0.2	100	22.8	7.9	7.9	28.8	28.8	93.9	6.8	6.7	6.7							
					Bottom	7.0	0.2	110	22.8	7.9	7.9	28.8	28.8	95.6	6.8	7.1	7.1	7.4						
						7.0	0.1	112	22.8	7.9	7.9	28.8	28.8	96.7	7.1	7.1	7.1	7.4						
IM11	Misty	Moderate	19:20	8.2	Surface	1.0	0.2	76	22.8	22.9	7.9	7.9	28.9	28.9	89.5	6.5	6.5	7.3	6.3	7	821485	810548		
						1.0	0.2	78	22.9		7.9		28.9		89.5	6.5			6.2					
					Middle	4.1	0.2	98	22.9	7.9	7.9	29.0	29.0	89.7	6.5	6.5	6.5	7.2						
						4.1	0.3	92	22.9	7.9	7.9	29.0	29.0	89.7	6.5	6.5	6.5	7.1						
					Bottom	7.2	0.2	78	22.9	7.9	7.9	29.1	29.1	95.1	6.9	7.0	7.0	8.5						
						7.2	0.2	77	22.9	7.9	7.9	29.0	29.0	96.8	7.0	7.0	7.0	8.5						
IM12	Misty	Moderate	19:28	7.0	Surface	1.0	0.2	92	23.0	23.0	7.9	7.9	29.1	29.1	87.4	6.3	6.5	8.3	7.1	10	821180	811505		
						1.0	0.2	89	23.0		7.9		29.1		87.6	6.4			7.2					
					Middle	3.5	0.2	100	23.0	7.9	7.9	29.1	29.1	91.1	6.6	6.6	6.6	8.7						
						3.5	0.2	106	23.0	7.9	7.9	29.1	29.1	91.8	6.7	6.7	6.7	8.7						
					Bottom	6.0	0.2	78	23.0	7.9	7.9	29.1	29.1	93.6	6.8	6.9	6.9	9.0						
						6.0	0.2	85	23.0	7.9	7.9	29.1	29.1	95.1	6.9	6.9	6.9	9.0						
SR1A	Misty	Moderate	19:52	4.4	Surface	1.0	0.0	30	22.7	22.7	7.9	7.9	28.2	28.2	88.1	6.5	6.5	6.7	6.0	11	819923	812627		
						1.0	0.0	26	22.7		7.9		28.2		88.2	6.5			6.1					
					Middle	2.2	-	28	-	-	-	-	-	-	-	-	-	-	-					
						2.2	0.0	22	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.4	0.0	41	22.7	7.9	7.9	28.2	28.2	88.3	6.5	6.5	6.5	7.4						
						3.4	0.1	39	22.7	7.9	7.9	28.2	28.2	88.4	6.5	6.5	6.5	7.5						
SR2	Misty	Moderate	20:09	5.6	Surface	1.0	0.1	55	22.7	22.7	7.9	7.9	29.4	29.4	90.5	6.6	6.6	6.0	5.6	11	821468	814165		
						1.0	0.1	48	22.7		7.9		29.4		90.9	6.6			5.6					
					Middle	-	0.1	66	-	-	-	-	-	-	-	-	-	-						
						-	0.2	64	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.6	0.1	71	22.7	7.9	7.9	29.3	29.3	96.9	7.1	7.2	7.2	6.5						
						4.6	0.2	75	22.7	7.9	7.9	29.3	29.3	98.4	7.2	7.2	7.2	6.5						
SR3	Cloudy	Rough	20:27	8.7	Surface	1.0	0.3	150	22.6	22.6	8.0	8.0	28.2	28.2	90.3	6.6	6.6	7.0	6.1	9	822163	807575		
						1.0	0.2	155	22.6		8.0		28.2		90.3	6.6			6.2					
					Middle	4.4	0.3	158	22.6	8.0	8.0	28.2	28.2	90.5	6.6	6.6	6.6	7.2						
						4.4	0.3	156	22.5	8.0	8.0	28.2	28.2	90.5	6.6	6.6	6.6	7.2						
					Bottom	7.7	0.3	176	22.5	8.0	8.0	28.2	28.2	90.9	6.7	6.7	6.7	7.9						
						7.7	0.3	176	22.5	8.0	8.0	28.2	28.2	91.0	6.7	6.7	6.7	7.9						
SR4A	Cloudy	Moderate	19:08	8.8	Surface	1.0	0.1	4	24.1	24.1	8.1	8.1	29.3	29.3	90.7	6.5	6.5	7.2	4.9	11	817174	807803		
						1.0	0.0	4	24.1		8.1		29.3		90.6	6.5			5.0					
					Middle	4.4	0.0	15	23.7	8.1	8.1	29.5	29.5	89.4	6.4	6.4	6.4	8.2						
						4.4	0.1	15	23.7	8.1	8.1	29.5	29.5	89.5	6.4	6.4	6.4	8.2						
					Bottom	7.8	0.0	350	23.7	8.1	8.1	29.5	29.5	90.3	6.5	6.5	6.5	8.6						
						7.8	0.1	346	23.7	8.1	8.1	29.5	29.5	90.4	6.5	6.5	6.5	8.4						
SR8	Misty	Moderate	19:34	4.6	Surface	1.0	-	-	22.8	22.8	7.9	7.9	28.6	28.6	89.1	6.5	6.5	6.6	6.2	11	820366	811638		
						1.0	-	-	22.8		7.9		28.6		89.1	6.5			6.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.6	-	-	22.8	7.9	7.9	28.7	28.7	89.4	6.5	6.6	6.6	7.0						
						3.6	-	-	22.8	7.9	7.9	28.7	28.7	89.8	6.6	6.6	6.6	7.0						

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

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

**Water Quality Monitoring Results on 01 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Cloudy	Rough	15:27	8.6	Surface	1.0	0.2	32	23.1	23.1	8.1	8.1	28.5	28.5	93.5	93.4	6.8	6.8	7.0	9.0	9	9	815633	804255		
						1.0	0.2	29	23.0		8.1		28.5		93.3		6.8		7.0		10					
					Middle	4.3	0.3	53	22.6	22.6	8.1	8.1	29.2	29.2	91.4	91.4	6.7	6.9	6.8	6.9	9.4				9.0	9
						4.3	0.3	59	22.6		8.1		29.2		91.4		6.7		9.4							
					Bottom	7.6	0.3	52	22.6	22.6	8.1	8.1	29.2	29.2	93.3	93.4	6.9	6.9	6.9	6.9	10.7				9.0	8
						7.6	0.3	59	22.6		8.1		29.2		93.5		6.9		10.8		9					
C2	Cloudy	Rough	14:03	10.2	Surface	1.0	0.2	348	23.1	23.1	8.0	8.0	25.6	25.6	88.9	88.9	6.6	6.6	7.3	9.1	9	10	825678	806958		
						1.0	0.2	340	23.0		8.0		25.6		88.8		6.6		7.6		9					
					Middle	5.1	0.3	338	22.8	22.8	8.0	8.0	26.5	26.6	88.7	88.8	6.6	6.8	6.6	6.8	7.6				9.1	9
						5.1	0.3	340	22.8		8.0		26.6		88.8		6.6		7.7		10					
					Bottom	9.2	0.2	348	22.8	22.8	8.1	8.1	27.5	27.4	91.1	91.3	6.8	6.8	6.8	6.8	12.0				9.1	12
						9.2	0.2	344	22.8		8.1		27.4		91.4		6.8		12.2		12					
C3	Misty	Moderate	13:10	10.2	Surface	1.0	0.3	281	22.8	22.8	7.8	7.8	29.1	29.1	88.7	88.5	6.5	6.3	3.6	4.4	8	8	822086	817808		
						1.0	0.3	282	22.8		7.8		29.2		88.2		6.4		3.7		7					
					Middle	5.1	0.3	263	23.0	23.0	7.8	7.8	29.7	29.7	85.2	85.2	6.2	6.0	6.2	6.0	4.1				4.4	9
						5.1	0.3	258	23.0		7.8		29.7		85.2		6.2		4.0		8					
					Bottom	9.2	0.4	285	23.0	23.0	7.8	7.8	30.4	30.4	83.4	83.2	6.0	6.0	6.0	6.0	5.4				4.4	9
						9.2	0.3	291	23.0		7.8		30.4		82.9		6.0		5.5		9					
IM1	Cloudy	Rough	15:09	6.3	Surface	1.0	0.2	10	22.5	22.5	8.1	8.1	29.3	29.3	91.1	91.0	6.7	6.6	6.1	8.1	12	10	818350	806479		
						1.0	0.2	2	22.5		8.1		29.3		90.8		6.6		6.1		11					
					Middle	3.2	0.3	14	22.6	22.7	8.1	8.1	29.7	29.7	90.0	90.0	6.6	6.5	6.6	6.5	6.6				8.1	10
						3.2	0.2	10	22.7		8.1		29.7		89.9		6.5		6.9		10					
					Bottom	5.3	0.3	21	22.7	22.7	8.1	8.1	30.0	30.0	89.7	89.8	6.5	6.5	6.5	6.5	11.9				8.1	10
						5.3	0.2	17	22.7		8.1		30.0		89.8		6.5		11.0		9					
IM2	Cloudy	Rough	15:04	6.6	Surface	1.0	0.2	15	22.5	22.5	8.1	8.1	29.0	29.1	90.9	90.8	6.7	6.6	5.9	7.1	14	12	819199	806242		
						1.0	0.3	20	22.5		8.1		29.1		90.7		6.6		5.9		13					
					Middle	3.3	0.3	22	22.7	22.7	8.1	8.1	29.7	29.7	89.9	89.9	6.5	6.5	6.5	6.5	6.2				7.1	11
						3.3	0.3	15	22.7		8.1		29.7		89.8		6.5		6.2		12					
					Bottom	5.6	0.2	30	22.8	22.8	8.1	8.1	30.1	30.1	89.8	89.9	6.5	6.5	6.5	6.5	9.2				7.1	10
						5.6	0.2	26	22.8		8.1		30.1		89.9		6.5		9.4		11					
IM7	Cloudy	Rough	14:38	7.9	Surface	1.0	0.1	18	22.9	22.9	8.0	8.0	27.9	27.9	89.4	89.4	6.5	6.6	3.9	4.2	8	9	821356	806833		
						1.0	0.1	21	22.9		8.0		27.9		89.4		6.5		3.9		9					
					Middle	4.0	0.1	16	22.9	22.9	8.0	8.0	27.9	27.9	89.5	89.6	6.6	6.6	6.6	6.6	3.9				4.2	9
						4.0	0.2	9	22.9		8.0		27.9		89.6		6.6		3.9		10					
					Bottom	6.9	0.2	356	22.9	22.9	8.0	8.0	27.9	27.9	91.4	91.4	6.7	6.7	6.7	6.7	4.7				4.2	10
						6.9	0.2	355	22.9		8.0		27.9		91.4		6.7		4.7		10					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 01 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	14:25	8.2	Surface	1.0	0.3	282	<u>22.8</u>	7.9	7.9	<u>27.9</u>	27.9	<u>90.1</u>	90.2	6.6	6.7	5.4	6.3	9	822260	809854		
						1.0	0.3	280	22.8	7.9	7.9	27.9	27.9	90.2	6.6	5.4								
					Middle	4.1	0.3	315	<u>22.7</u>	7.9	7.9	<u>27.9</u>	27.9	91.0	6.7	6.1	6.3							
						4.1	0.3	311	22.7	7.9	7.9	27.9	27.9	91.4	6.7	6.2	6.3							
					Bottom	7.2	0.3	321	<u>22.7</u>	7.9	7.9	<u>27.8</u>	27.7	94.5	6.9	7.3	7.0							
						7.2	0.3	324	22.7	7.9	7.9	27.7	27.7	95.4	7.0	7.3	7.0							
IM11	Misty	Moderate	14:15	6.8	Surface	1.0	0.3	270	<u>22.8</u>	7.9	7.9	<u>28.0</u>	28.0	89.5	89.6	6.6	6.6	6.4	7.4	9	821501	810533		
						1.0	0.3	271	22.8	7.9	7.9	28.0	28.0	89.6	6.6	6.5	6.6							
					Middle	3.4	0.3	283	<u>22.8</u>	7.9	7.9	<u>27.9</u>	27.9	90.4	6.6	7.1	6.6							
						3.4	0.3	278	22.8	7.9	7.9	27.9	27.9	90.8	6.7	7.1	6.6							
					Bottom	5.8	0.3	285	<u>22.8</u>	7.9	7.9	<u>27.8</u>	27.8	92.1	6.8	8.6	6.8							
						5.8	0.3	291	22.8	7.9	7.9	27.8	27.8	92.4	6.8	8.5	6.8							
IM12	Misty	Moderate	14:09	9.0	Surface	1.0	0.3	295	<u>22.9</u>	7.9	7.9	<u>28.5</u>	28.5	88.7	88.7	6.5	6.5	4.4	5.5	8	821180	811524		
						1.0	0.3	289	22.9	7.9	7.9	28.6	28.5	88.6	6.5	4.4	6.5							
					Middle	4.5	0.3	293	<u>23.0</u>	7.9	7.9	<u>28.7</u>	28.7	88.8	6.5	5.7	6.5							
						4.5	0.3	299	23.0	7.9	7.9	28.7	28.7	88.9	6.5	5.6	6.5							
					Bottom	8.0	0.3	278	<u>22.9</u>	7.9	7.9	<u>28.6</u>	28.6	90.4	6.6	6.4	6.6							
						8.0	0.3	273	22.9	7.9	7.9	28.5	28.6	90.9	6.6	6.5	6.6							
SR1A	Misty	Moderate	13:43	4.8	Surface	1.0	0.1	197	<u>22.8</u>	7.8	7.8	<u>27.9</u>	27.9	90.6	90.8	6.6	6.7	6.4	7.0	7	819906.869	812668.046		
						1.0	0.0	193	22.8	7.8	7.8	27.9	27.9	90.9	6.7	6.3	6.7							
					Middle	2.4	0.0	221	-	-	-	-	-	-	-	-	-							
						2.4	0.1	222	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	0.1	224	<u>22.7</u>	7.8	7.8	<u>27.8</u>	27.8	94.0	6.9	7.8	7.0							
						3.8	0.1	224	22.7	7.8	7.8	27.8	27.8	94.9	7.0	7.8	7.0							
SR2	Misty	Moderate	13:28	4.6	Surface	1.0	0.1	243	<u>22.8</u>	7.8	7.8	<u>28.5</u>	28.5	92.3	92.5	6.8	6.8	5.2	5.8	8	821444	814180		
						1.0	0.0	242	22.8	7.8	7.8	28.5	28.5	92.7	6.8	5.2	6.8							
					Middle	-	0.1	231	-	-	-	-	-	-	-	-	-							
						-	0.1	230	-	-	-	-	-	-	-	-	-							
					Bottom	3.6	0.1	227	<u>22.7</u>	7.8	7.8	<u>28.5</u>	28.5	94.0	6.9	6.4	7.0							
						3.6	0.1	228	22.8	7.8	7.8	28.5	28.5	95.0	7.0	6.4	7.0							
SR3	Cloudy	Rough	14:30	8.5	Surface	1.0	0.2	328	<u>23.0</u>	8.0	8.0	<u>28.0</u>	28.0	89.2	89.2	6.5	6.5	6.5	9.5	10	822136	807588		
						1.0	0.2	330	23.0	8.0	8.0	28.0	28.0	89.2	6.5	6.6	6.5							
					Middle	4.3	0.2	349	<u>23.0</u>	8.0	8.0	<u>28.0</u>	28.0	89.2	6.5	9.4	6.5							
						4.3	0.2	343	23.0	8.0	8.0	28.0	28.0	89.2	6.5	9.7	6.5							
					Bottom	7.5	0.3	334	<u>23.0</u>	8.0	8.0	<u>27.9</u>	27.9	89.5	6.5	10.9	6.6							
						7.5	0.3	334	23.0	8.0	8.0	27.9	27.9	89.6	6.6	13.7	6.6							
SR4A	Cloudy	Rough	15:49	8.9	Surface	1.0	0.0	264	<u>23.0</u>	8.0	8.0	<u>29.6</u>	29.6	90.9	90.9	6.6	6.6	7.3	8.6	11	817203	807825		
						1.0	0.1	271	23.0	8.0	8.0	29.6	29.6	90.9	6.6	7.1	6.6							
					Middle	4.5	-	248	<u>22.9</u>	8.0	8.0	<u>29.5</u>	29.5	90.7	6.6	8.8	6.6							
						4.5	0.0	242	22.9	8.0	8.0	29.5	29.5	90.7	6.6	8.9	6.6							
					Bottom	7.9	0.0	249	<u>22.8</u>	7.9	7.9	<u>29.4</u>	29.4	91.1	6.7	9.8	6.7							
						7.9	0.0	242	22.8	7.9	7.9	29.4	29.4	91.1	6.7	9.9	6.7							
SR8	Misty	Moderate	14:04	5.0	Surface	1.0	-	-	<u>23.0</u>	7.9	7.9	<u>27.7</u>	27.7	93.5	93.5	6.8	6.9	6.8	7.4	8	820370	811605		
						1.0	-	-	22.9	7.9	7.9	27.7	27.7	93.5	6.9	6.9	6.9							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.0	-	-	<u>22.7</u>	7.9	7.9	<u>27.7</u>	27.7	95.1	7.0	8.1	7.1							
						4.0	-	-	22.7	7.9	7.9	27.7	27.7	96.2	7.1	8.0	7.1							

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 03 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Rough	08:12	7.7	Surface	1.0	0.2	208	21.1	21.1	7.9	7.9	31.4	31.4	93.9	93.9	7.0	7.0	5.1	6.1	6	7	815626	804228
						1.0	0.2	213	21.1		7.9		31.4		93.9		7.0		5.1		7			
					Middle	3.9	0.3	199	21.1	7.9	7.9	31.4	31.4	93.8	93.8	6.9	6.9	4.7	7					
						3.9	0.3	203	21.1	7.9	7.9	31.4	31.4	93.7	93.7	6.9	6.9	4.6	6					
					Bottom	6.7	0.2	200	21.5	21.5	7.9	7.9	31.7	31.7	92.6	92.7	6.8	6.8	8.4	7				
						6.7	0.2	198	21.5		7.9	7.9	31.7	31.7	92.7	92.7	6.8	6.8	8.5	7				
C2	Fine	Rough	09:52	9.6	Surface	1.0	0.5	182	21.7	21.7	7.8	7.8	29.9	29.9	92.1	92.1	6.8	6.7	2.7	4.3	7	6	825670	806942
						1.0	0.5	175	21.7		7.8		29.9		92.1		6.8		2.6		6			
					Middle	4.8	0.5	179	21.8	21.8	7.8	7.8	30.6	30.6	90.5	90.5	6.6	6.6	3.4	6				
						4.8	0.5	176	21.8		7.8	7.8	30.6	30.6	90.5	90.5	6.6	6.6	3.4	7				
					Bottom	8.6	0.5	154	22.0	22.0	7.8	7.8	30.9	30.9	89.3	89.3	6.5	6.5	6.9	5				
						8.6	0.5	154	22.0		7.8	7.8	30.9	30.9	89.3	89.3	6.5	6.5	6.9	5				
C3	Cloudy	Moderate	08:46	10.6	Surface	1.0	0.3	70	22.9	22.9	8.0	8.0	33.8	33.8	89.5	89.5	6.3	6.3	2.1	5.4	4	5	822130	817813
						1.0	0.2	67	22.9		8.0		33.8		89.5		6.3		2.2		4			
					Middle	5.3	0.3	90	22.9	22.9	7.9	7.9	33.9	33.9	89.4	89.4	6.3	6.3	5.2	5				
						5.3	0.3	93	22.9		7.9	7.9	33.9	33.9	89.4	89.4	6.3	6.3	5.8	4				
					Bottom	9.6	0.3	86	23.0	23.0	7.9	7.9	34.1	34.1	88.7	88.7	6.3	6.3	8.5	6				
						9.6	0.3	89	23.0		7.9	7.9	34.1	34.1	88.6	88.6	6.3	6.3	8.6	5				
IM1	Fine	Moderate	08:36	6.7	Surface	1.0	0.2	203	21.3	21.3	7.9	7.9	31.3	31.3	92.7	92.7	6.9	6.9	2.6	4.7	4	5	818368	806463
						1.0	0.2	205	21.3		7.9		31.3		92.7		6.9		2.6		5			
					Middle	3.4	0.2	182	21.2	21.2	7.9	7.9	31.3	31.3	92.6	92.6	6.8	6.8	3.7	5				
						3.4	0.1	180	21.2		7.9	7.9	31.3	31.3	92.6	92.6	6.8	6.8	3.6	6				
					Bottom	5.7	0.2	192	21.5	21.5	7.9	7.9	31.7	31.7	91.5	91.5	6.7	6.7	7.9	6				
						5.7	0.2	193	21.5		7.9	7.9	31.7	31.7	91.5	91.5	6.7	6.7	7.9	6				
IM2	Fine	Moderate	08:49	6.9	Surface	1.0	0.3	189	21.4	21.4	7.9	7.9	31.4	31.4	92.1	92.1	6.8	6.8	5.2	5.8	8	8	819206	806227
						1.0	0.3	190	21.4		7.9		31.4		92.1		6.8		5.2		8			
					Middle	3.5	0.3	212	21.4	21.4	7.9	7.9	31.5	31.5	92.1	92.1	6.8	6.8	5.7	8				
						3.5	0.3	206	21.4		7.9	7.9	31.5	31.5	92.1	92.1	6.8	6.8	5.7	8				
					Bottom	5.9	0.3	205	21.5	21.5	7.9	7.9	31.6	31.6	92.4	92.4	6.8	6.8	6.5	8				
						5.9	0.3	197	21.5		7.9	7.9	31.6	31.6	92.4	92.4	6.8	6.8	6.6	9				
IM7	Fine	Moderate	09:17	8.2	Surface	1.0	0.2	190	21.4	21.4	7.9	7.9	30.5	30.5	92.9	92.9	6.9	6.9	2.7	3.4	6	6	821325	806826
						1.0	0.2	187	21.4		7.9		30.5		92.9		6.9		2.6		6			
					Middle	4.1	0.2	178	21.4	21.4	7.9	7.9	30.7	30.7	92.7	92.8	6.9	6.9	3.0	5				
						4.1	0.1	183	21.4		7.9	7.9	30.7	30.7	92.8	92.8	6.9	6.9	3.0	6				
					Bottom	7.2	0.2	190	21.3	21.3	7.9	7.9	31.5	31.5	93.0	93.0	6.9	6.9	4.4	5				
						7.2	0.2	184	21.3		7.9	7.9	31.5	31.5	93.0	93.0	6.9	6.9	4.4	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 03 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA				
IM10	Cloudy	Moderate	10:29	7.8	Surface	1.0	0.3	139	22.4	22.4	8.1	8.1	33.0	33.0	93.0	93.0	6.7	6.7	2.5	7	6	822247	809837			
						1.0	0.4	135	22.4	8.1	8.1	33.0	33.0	92.9	93.0	6.7	6.7	2.6	8							
					Middle	3.9	0.3	119	22.4	22.4	8.1	8.1	33.1	33.1	92.6	92.6	6.6	6.6	3.2	6						
						3.9	0.4	115	22.4	22.4	8.1	8.1	33.1	33.1	92.6	92.6	6.6	6.6	3.3	6						
					Bottom	6.8	0.3	134	22.3	22.3	8.2	8.2	33.2	33.2	93.1	93.2	6.7	6.7	4.2	5						
						6.8	0.3	128	22.3	22.3	8.2	8.2	33.2	33.2	93.2	93.2	6.7	6.7	4.3	5						
IM11	Cloudy	Moderate	10:22	7.8	Surface	1.0	0.3	96	22.5	22.5	8.2	8.2	33.0	33.0	91.7	91.7	6.6	6.6	7.4	4	4	821497	810528			
						1.0	0.3	99	22.4	22.5	8.2	8.2	33.0	33.0	91.7	91.7	6.6	6.6	7.8	4						
					Middle	3.9	0.3	89	22.4	22.4	8.2	8.2	33.1	33.1	91.9	92.0	6.6	6.6	8.1	5						
						3.9	0.4	94	22.4	22.4	8.2	8.2	33.1	33.1	92.0	92.0	6.6	6.6	8.3	4						
					Bottom	6.8	0.3	87	22.2	22.2	8.2	8.2	33.2	33.2	93.7	93.8	6.7	6.7	13.9	4						
						6.8	0.2	86	22.2	22.2	8.3	8.2	33.2	33.2	93.9	93.8	6.7	6.7	13.8	5						
IM12	Cloudy	Moderate	10:00	8.8	Surface	1.0	0.4	106	22.4	22.4	8.2	8.2	33.0	33.0	92.7	92.8	6.6	6.6	5.8	7	6	821163	811505			
						1.0	0.3	108	22.4	22.4	8.2	8.2	33.0	33.0	92.8	92.8	6.7	6.7	5.9	8						
					Middle	4.4	0.3	102	22.4	22.4	8.2	8.2	33.0	33.0	93.4	93.4	6.7	6.7	10.2	6						
						4.4	0.3	95	22.4	22.4	8.2	8.2	33.0	33.0	93.4	93.4	6.7	6.7	11.1	5						
					Bottom	7.8	0.4	79	22.3	22.3	8.2	8.2	32.9	32.9	94.6	94.7	6.8	6.8	12.8	5						
						7.8	0.4	81	22.3	22.3	8.2	8.2	32.9	32.9	94.8	94.7	6.8	6.8	12.2	5						
SR1A	Cloudy	Moderate	09:28	4.8	Surface	1.0	0.0	53	22.8	22.8	8.1	8.1	32.7	32.8	89.7	89.9	6.4	6.4	4.1	6	7	819946	812632			
						1.0	0.0	51	22.8	22.8	8.1	8.1	32.8	32.8	90.0	90.0	6.4	6.4	4.4	5						
					Middle	2.4	0.0	77	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.4	0.0	71	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.8	0.0	87	22.7	22.7	8.1	8.1	33.2	33.2	91.3	91.1	6.5	6.5	8.1	8						
						3.8	0.0	89	22.7	22.7	8.2	8.1	33.2	33.2	90.9	91.1	6.5	6.5	8.1	7						
SR2	Cloudy	Moderate	09:11	5.1	Surface	1.0	0.4	50	22.9	22.9	8.0	8.0	33.4	33.4	90.3	90.4	6.4	6.4	2.9	7	6	821479	814144			
						1.0	0.4	49	22.9	22.9	8.0	8.0	33.4	33.4	90.4	90.4	6.4	6.4	2.9	6						
					Middle	-	0.3	35	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.4	42	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.1	0.4	54	22.8	22.8	8.0	8.0	33.5	33.5	93.1	93.2	6.6	6.6	4.1	5						
						4.1	0.3	50	22.8	22.8	8.0	8.0	33.5	33.5	93.3	93.2	6.6	6.6	4.1	6						
SR3	Fine	Moderate	09:25	8.4	Surface	1.0	0.4	148	21.5	21.5	7.9	7.9	30.5	30.5	93.3	93.3	6.9	6.9	2.5	3	4	822137	807552			
						1.0	0.4	150	21.5	21.5	7.9	7.9	30.5	30.5	93.3	93.3	6.9	6.9	2.5	3						
					Middle	4.2	0.4	170	21.3	21.3	7.9	7.9	31.0	31.0	92.3	92.3	6.8	6.8	4.4	5						
						4.2	0.5	174	21.3	21.3	7.9	7.9	31.0	31.0	92.2	92.3	6.8	6.8	4.3	4						
					Bottom	7.4	0.4	172	21.3	21.3	7.9	7.9	31.2	31.2	92.3	92.3	6.8	6.8	5.1	5						
						7.4	0.4	173	21.3	21.3	7.9	7.9	31.2	31.2	92.3	92.3	6.8	6.8	5.0	6						
SR4A	Fine	Moderate	07:48	9.7	Surface	1.0	0.0	111	21.3	21.3	7.8	7.8	31.0	31.0	92.2	92.3	6.8	6.8	5.4	8	9	817175	807809			
						1.0	0.0	116	21.3	21.3	7.8	7.8	31.0	31.0	92.3	92.3	6.8	6.8	5.4	8						
					Middle	4.9	0.0	114	21.1	21.1	7.8	7.8	30.9	30.9	92.7	92.7	6.9	6.9	6.5	9						
						4.9	0.0	111	21.1	21.1	7.8	7.8	30.9	30.9	92.7	92.7	6.9	6.9	6.4	10						
					Bottom	8.7	0.0	84	21.1	21.1	7.8	7.8	30.9	30.9	92.5	92.5	6.9	6.9	7.1	11						
						8.7	0.0	86	21.1	21.1	7.8	7.8	30.9	30.9	92.5	92.5	6.9	6.9	7.2	10						
SR8	Cloudy	Moderate	09:53	4.5	Surface	1.0	-	-	23.4	23.4	8.2	8.2	33.0	33.0	91.7	91.6	6.5	6.5	9.8	9	7	820389	811626			
						1.0	-	-	23.4	23.4	8.2	8.2	33.0	33.0	91.5	91.6	6.5	6.5	10.5	9						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	3.5	-	-	22.9	22.9	8.2	8.2	33.2	33.2	90.6	90.7	6.4	6.4	12.2	5						
						3.5	-	-	22.9	22.9	8.2	8.2	33.2	33.2	90.7	90.7	6.4	6.4	13.5	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 03 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Rough	15:57	7.3	Surface	1.0	0.4	31	21.5	21.5	7.9	7.9	31.5	31.5	89.4	89.4	6.6	6.6	6.1	7.9	13	14	815627	804258
						1.0	0.4	36	21.5		7.9		31.5		89.4		6.6		6.2		13			
					Middle	3.7	0.3	39	21.5	7.9	7.9	31.5	31.5	89.4	89.4	6.6	6.6	7.6	13					
						3.7	0.3	34	21.5	7.9	7.9	31.5	31.5	89.4	89.4	6.6	6.6	7.6	13					
					Bottom	6.3	0.4	56	21.4	21.4	7.9	7.9	31.5	31.5	89.4	89.4	6.6	6.6	9.8	16				
						6.3	0.4	57	21.4		7.9		7.9		31.5		31.5		89.4	89.4	6.6			
C2	Sunny	Moderate	14:28	9.1	Surface	1.0	0.1	346	21.7	21.7	7.8	7.8	29.1	29.1	91.9	91.9	6.8	6.8	5.8	4.8	5	6	825691	806953
						1.0	0.1	346	21.7		7.8		29.1		91.9		6.8		5.9		5			
					Middle	4.6	0.1	352	21.6	21.6	7.8	7.8	29.5	29.5	91.3	91.4	6.8	6.8	3.0	7				
						4.6	0.0	354	21.6		7.8		29.5		91.4		6.8		3.0	7				
					Bottom	8.1	0.1	343	21.6	21.6	7.8	7.8	29.8	29.9	91.3	91.3	6.8	6.8	5.4	7				
						8.1	0.2	348	21.6		7.8		29.9		91.3		6.8		5.4	7				
C3	Cloudy	Moderate	16:10	10.2	Surface	1.0	0.4	251	23.0	23.0	8.3	8.3	33.6	33.5	92.4	92.4	6.5	6.5	3.1	8.7	8	9	822130	817785
						1.0	0.5	249	23.0		8.3		33.5		92.3		6.5		3.1		9			
					Middle	5.1	0.4	258	23.1	23.1	8.4	8.4	34.1	34.1	91.7	91.7	6.4	6.5	11.0	9				
						5.1	0.4	260	23.1		8.4		34.2		91.7		6.5		11.7	9				
					Bottom	9.2	0.4	265	23.2	23.2	8.4	8.4	34.3	34.3	93.4	93.5	6.6	6.6	11.9	10				
						9.2	0.4	271	23.2		8.4		34.3		93.6		6.6		11.2	11				
IM1	Sunny	Moderate	15:33	6.2	Surface	1.0	0.2	6	21.5	21.5	7.9	7.9	31.6	31.6	92.1	92.1	6.8	6.8	9.5	8.9	14	14	818335	806462
						1.0	0.3	1	21.5		7.9		31.6		92.1		6.8		9.5		15			
					Middle	3.1	0.2	24	21.5	21.5	7.9	7.9	31.6	31.6	91.9	91.9	6.8	6.8	9.8	14				
						3.1	0.1	17	21.5		7.9		31.6		91.9		6.8		9.8	14				
					Bottom	5.2	0.2	358	21.5	21.5	7.9	7.9	31.6	31.6	91.9	91.9	6.7	6.7	7.3	14				
						5.2	0.3	351	21.5		7.9		31.6		91.9		6.7		7.3	13				
IM2	Sunny	Moderate	15:24	6.5	Surface	1.0	0.1	0	21.5	21.5	7.9	7.9	31.4	31.4	92.7	92.7	6.8	6.8	4.8	5.8	8	8	819186	806247
						1.0	0.1	353	21.5		7.9		31.4		92.7		6.8		4.8		7			
					Middle	3.3	0.1	347	21.4	21.4	7.9	7.9	31.4	31.4	92.4	92.4	6.8	6.8	6.3	8				
						3.3	0.1	347	21.4		7.9		31.4		92.4		6.8		6.3	8				
					Bottom	5.5	0.2	17	21.4	21.4	7.9	7.9	31.4	31.4	92.4	92.5	6.8	6.8	6.4	8				
						5.5	0.1	23	21.4		7.9		31.4		92.5		6.8		6.4	8				
IM7	Sunny	Moderate	14:58	7.6	Surface	1.0	0.2	294	21.9	21.9	7.9	7.9	30.7	30.7	92.3	92.3	6.8	6.8	2.8	3.8	4	4	821345	806826
						1.0	0.1	298	21.9		7.9		30.7		92.3		6.8		2.8		3			
					Middle	3.8	0.2	274	21.8	21.8	7.9	7.9	30.7	30.7	92.3	92.3	6.8	6.8	3.8	4				
						3.8	0.2	275	21.8		7.9		30.7		92.3		6.8		3.9	4				
					Bottom	6.6	0.1	290	21.7	21.7	7.9	7.9	30.8	30.8	92.5	92.5	6.8	6.8	4.7	5				
						6.6	0.1	294	21.7		7.9		30.8		92.5		6.8		4.7	4				

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Water Quality Monitoring

Water Quality Monitoring Results on 03 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA							
IM10	Cloudy	Moderate	14:46	8.0	Surface	1.0	0.3	268	22.6	22.6	8.2	8.2	33.1	33.1	94.6	94.6	6.8	6.8	2.4	2.6	7	7	822263	809825					
						1.0	0.3	267	22.6		8.2		33.1		94.6		6.8		2.4		6								
					Middle	4.0	0.3	275	22.6	8.2	8.2	33.1	33.1	94.7	94.7	6.8	6.8	2.5	7										
						4.0	0.3	272	22.6	8.2	8.2	33.1	33.1	94.7	94.7	6.8	6.8	2.5	7										
					Bottom	7.0	0.3	262	22.5	8.2	8.2	33.1	33.1	95.1	95.2	6.8	6.8	3.0	8										
						7.0	0.3	268	22.5	8.2	8.2	33.1	33.1	95.2	95.2	6.8	6.8	3.0	9										
IM11	Cloudy	Moderate	14:54	7.7	Surface	1.0	0.4	271	22.5	22.5	8.3	8.3	33.0	33.0	94.5	94.5	6.8	6.8	2.4	3.2	6	7	821503	810524					
						1.0	0.5	267	22.5		8.3		33.0		94.5		6.8		2.4		7								
					Middle	3.9	0.4	286	22.5	8.3	8.3	33.0	33.0	94.0	94.0	6.7	6.7	3.0	7										
						3.9	0.4	291	22.5	8.3	8.3	33.0	33.0	94.0	94.0	6.7	6.7	3.0	6										
					Bottom	6.7	0.4	269	22.4	8.3	8.3	33.0	33.0	93.6	93.6	6.7	6.7	4.1	8										
						6.7	0.4	273	22.4	8.3	8.3	33.0	33.0	93.6	93.6	6.7	6.7	4.2	8										
IM12	Cloudy	Moderate	15:01	7.8	Surface	1.0	0.4	297	22.6	22.6	8.3	8.3	33.1	33.1	93.8	93.8	6.7	6.7	2.5	3.6	6	7	821184	811537					
						1.0	0.4	304	22.6		8.3		33.1		93.8		6.7		2.5		5								
					Middle	3.9	0.4	280	22.6	8.3	8.3	33.1	33.1	93.2	93.3	6.7	6.7	3.0	6										
						3.9	0.4	273	22.6	8.3	8.3	33.1	33.1	93.3	93.3	6.7	6.7	3.0	7										
					Bottom	6.8	0.4	286	22.4	8.3	8.3	33.2	33.2	93.2	93.3	6.7	6.7	5.3	8										
						6.8	0.4	293	22.4	8.3	8.3	33.2	33.2	93.3	93.3	6.7	6.7	5.3	8										
SR1A	Cloudy	Moderate	15:32	4.6	Surface	1.0	0.0	185	23.1	23.1	8.2	8.2	32.9	32.9	88.9	89.0	6.3	6.3	8.8	9.5	6	4	819949	812627					
						1.0	0.0	184	23.0		8.2		32.9		89.0		6.3		8.2		4								
					Middle	2.3	0.0	197	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
						2.3	0.0	196	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
					Bottom	3.6	0.0	206	23.0	23.0	8.2	8.2	33.0	33.0	89.6	89.7	6.4	6.4	10.5	6.4	6.4				10.5	6.4	4	3	
						3.6	0.0	201	23.0		8.2		33.0		89.8		6.4		10.5										
SR2	Cloudy	Moderate	15:48	4.7	Surface	1.0	0.2	240	22.9	22.9	8.3	8.3	32.9	32.9	93.5	93.5	6.6	6.6	3.6	3.7	5	5	821475	814172					
						1.0	0.2	245	22.9		8.3		32.9		93.5		6.6		3.6		4								
					Middle	-	0.2	208	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
						-	0.2	215	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
					Bottom	3.7	0.2	216	22.9	22.9	8.3	8.3	33.1	33.1	94.4	94.6	6.7	6.7	3.8	6.7	6.7				3.8	6.7	5	5	
						3.7	0.2	221	22.9		8.3		33.1		94.7		6.7		3.8										
SR3	Sunny	Moderate	14:45	7.8	Surface	1.0	0.1	301	22.0	22.0	7.9	7.9	30.7	30.7	91.7	91.7	6.7	6.7	2.7	4.1	4	4	822159	807589					
						1.0	0.1	300	22.0		7.9		30.7		91.7		6.7		2.7		4								
					Middle	3.9	0.1	279	21.9	21.9	7.9	7.9	30.7	30.7	91.8	91.9	6.7	6.7	3.5	6.7	6.7				3.6	6.7	4	4	
						3.9	0.0	280	21.9		7.9		30.7		91.9		6.7		3.6		4								
					Bottom	6.8	0.1	310	21.6	21.6	7.9	7.9	30.9	30.9	91.1	91.1	6.7	6.7	6.1	6.7	6.7				6.1	6.7	4	4	
						6.8	0.2	312	21.6		7.9		30.9		91.1		6.7		6.1		4								
SR4A	Sunny	Moderate	16:27	8.4	Surface	1.0	0.0	243	21.4	21.4	7.9	7.9	30.2	30.2	92.6	92.6	6.9	6.9	6.5	7.5	10	9	817200	807786					
						1.0	0.1	247	21.4		7.9		30.2		92.6		6.9		6.5		10								
					Middle	4.2	0.0	249	21.4	21.4	7.9	7.9	30.2	30.2	92.3	92.3	6.9	6.9	6.4	6.9	6.9				6.4	6.9	9	9	
						4.2	0.1	251	21.4		7.9		30.2		92.3		6.9		6.4		9								
					Bottom	7.4	0.1	210	21.2	21.2	7.9	7.9	30.7	30.7	90.5	90.6	6.7	6.7	9.7	6.7	6.7				9.7	6.7	9	8	
						7.4	0.1	216	21.2		7.9		30.7		90.6		6.7		9.7		8								
SR8	Cloudy	Moderate	15:08	4.3	Surface	1.0	-	-	23.2	23.2	8.3	8.3	32.9	32.9	95.1	95.2	6.7	6.7	4.7	7.0	7	6	820409	811603					
						1.0	-	-	23.2		8.3		32.9		95.2		6.7		5.0		6								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	-	-	-		-		-		-		-		-		-					-		-	
					Bottom	3.3	-	-	22.5	22.5	8.3	8.3	33.0	33.0	97.3	97.4	7.0	7.0	9.0	7.0	7.0				9.0	7.0	5	6	
						3.3	-	-	22.5		8.3		33.0		97.4		7.0		9.2		6								

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 06 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Moderate	11:55	8.3	Surface	1.0	0.2	210	22.0	22.0	8.0	8.0	34.8	34.8	96.3	96.3	6.9	6.9	7.6	7.6	7	7	815630	804225		
						1.0	0.3	217	22.0	8.0	8.0	34.8	34.8	96.3	96.3	6.9	6.9	7.5	7.5	8	8					
					Middle	4.2	0.2	194	22.0	22.0	8.0	8.0	34.8	34.8	95.9	95.9	6.9	6.9	11.2	11.2	9	9			8	8
						4.2	0.2	197	22.0	22.0	8.0	8.0	34.8	34.8	95.9	95.9	6.9	6.9	11.1	11.1	8	8				
					Bottom	7.3	0.2	200	21.9	21.9	7.9	7.9	34.8	34.8	96.1	96.1	6.9	6.9	12.6	12.6	9	9			8	8
						7.3	0.3	206	21.9	21.9	7.9	7.9	34.9	34.8	96.1	96.1	6.9	6.9	12.3	12.3	9	9				
C2	Cloudy	Moderate	13:14	11.0	Surface	1.0	0.3	171	21.9	21.9	7.9	7.9	34.2	34.2	93.5	93.5	6.7	6.7	3.7	3.7	8	8	825687	806948		
						1.0	0.3	174	21.9	21.9	7.9	7.9	34.2	34.2	93.5	93.5	6.7	6.7	3.6	3.6	7	7				
					Middle	5.5	0.3	174	21.9	21.9	7.9	7.9	34.3	34.3	93.6	93.6	6.7	6.7	6.2	6.2	8	8			9	9
						5.5	0.4	168	21.9	21.9	7.9	7.9	34.3	34.3	93.6	93.6	6.7	6.7	6.4	6.4	8	8				
					Bottom	10.0	0.3	162	21.8	21.8	7.9	7.9	34.4	34.4	94.0	94.1	6.8	6.8	16.7	16.7	10	10			8	8
						10.0	0.4	164	21.8	21.8	7.9	7.9	34.4	34.4	94.2	94.1	6.8	6.8	16.8	16.8	10	10				
C3	Fine	Moderate	10:57	11.1	Surface	1.0	0.1	84	21.8	21.8	7.9	7.9	32.1	32.1	89.9	89.9	6.5	6.5	2.1	2.1	9	9	822085	817795		
						1.0	0.1	85	21.8	21.8	7.9	7.9	32.1	32.1	89.9	89.9	6.5	6.5	2.1	2.1	8	8				
					Middle	5.6	0.2	76	21.8	21.8	7.9	7.9	32.0	32.0	89.5	89.6	6.5	6.5	2.4	2.4	8	8			8	8
						5.6	0.2	70	21.8	21.8	7.9	7.9	32.0	32.0	89.6	89.6	6.5	6.5	2.3	2.3	8	8				
					Bottom	10.1	0.1	74	21.8	21.8	7.9	7.9	32.0	32.0	89.3	89.3	6.5	6.5	3.0	3.0	8	8			8	8
						10.1	0.1	79	21.8	21.8	7.9	7.9	32.0	32.0	89.3	89.3	6.5	6.5	3.0	3.0	6	6				
IM1	Cloudy	Moderate	12:14	6.3	Surface	1.0	0.2	195	22.0	22.0	8.0	8.0	34.9	34.9	96.1	96.1	6.9	6.9	8.9	8.9	10	10	818333	806436		
						1.0	0.1	194	22.0	22.0	8.0	8.0	34.9	34.9	96.1	96.1	6.9	6.9	9.2	9.2	11	11				
					Middle	3.2	0.1	183	22.0	22.0	8.0	8.0	34.9	34.9	96.3	96.4	6.9	6.9	11.6	11.6	12	12			12	12
						3.2	0.2	175	22.0	22.0	8.0	8.0	34.9	34.9	96.4	96.4	6.9	6.9	11.2	11.2	12	12				
					Bottom	5.3	0.2	176	21.9	21.9	8.0	8.0	34.9	34.9	98.2	98.4	7.0	7.1	12.2	12.2	13	13			12	12
						5.3	0.2	172	21.8	21.9	8.0	8.0	34.9	34.9	98.5	98.4	7.1	7.1	12.6	12.6	12	12				
IM2	Cloudy	Moderate	12:21	7.2	Surface	1.0	0.2	189	22.0	22.0	8.0	8.0	34.9	34.9	97.2	97.2	6.9	6.9	7.8	7.8	10	10	819205	806244		
						1.0	0.1	194	22.0	22.0	8.0	8.0	34.9	34.9	97.1	97.2	6.9	6.9	8.1	8.1	11	11				
					Middle	3.6	0.2	210	21.8	21.8	8.0	8.0	34.9	34.9	96.8	96.8	6.9	6.9	9.0	9.0	10	10			11	11
						3.6	0.2	214	21.8	21.8	8.0	8.0	34.9	34.9	96.8	96.8	6.9	6.9	9.3	9.3	11	11				
					Bottom	6.2	0.2	192	21.7	21.7	8.0	8.0	34.9	34.9	97.1	97.2	7.0	7.0	9.7	9.7	12	12			13	13
						6.2	0.2	193	21.7	21.7	8.0	8.0	34.9	34.9	97.3	97.2	7.0	7.0	9.7	9.7	13	13				
IM7	Cloudy	Moderate	12:47	8.6	Surface	1.0	0.2	204	21.5	21.5	8.0	8.0	34.6	34.6	95.4	95.5	6.9	6.9	4.4	4.4	9	9	821364	806851		
						1.0	0.2	201	21.5	21.5	8.0	8.0	34.6	34.6	95.5	95.5	6.9	6.9	4.7	4.7	9	9				
					Middle	4.3	0.1	203	21.5	21.5	8.0	8.0	34.8	34.8	95.5	95.5	6.9	6.9	6.7	6.7	8	8			8	8
						4.3	0.2	205	21.5	21.5	8.0	8.0	34.8	34.8	95.5	95.5	6.9	6.9	6.8	6.8	7	7				
					Bottom	7.6	0.2	206	21.5	21.5	8.0	8.0	34.8	34.8	95.3	95.4	6.9	6.9	7.1	7.1	6	6			6	6
						7.6	0.2	206	21.5	21.5	8.0	8.0	34.8	34.8	95.4	95.4	6.9	6.9	7.1	7.1	6	6				

DA: Depth-Averaged

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

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

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

#### Water Quality Monitoring

#### Water Quality Monitoring Results on 06 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA						
IM10	Fine	Moderate	12:41	8.3	Surface	1.0	0.3	119	20.8	20.8	7.9	7.9	31.9	31.9	93.1	93.1	6.9	7.0	4.7	10	6.5	10	9	822219	809848							
						1.0	0.2	122	20.8		7.9	7.9	31.9	31.9	93.1	93.1	6.9		4.7	10												
					Middle	4.2	0.3	111	20.7	20.7	7.9	7.9	32.0	32.0	93.7	93.7	7.0	5.6	10													
						4.2	0.3	104	20.7		7.9	7.9	32.0	32.0	93.7	93.7	7.0	5.6	9													
					Bottom	7.3	0.3	132	20.5	20.5	8.0	8.0	32.1	32.1	94.3	94.3	7.0	9.2	8													
						7.3	0.3	130	20.5		8.0	8.0	32.1	32.1	94.3	94.3	7.0	9.3	9													
IM11	Fine	Moderate	12:24	7.8	Surface	1.0	0.2	93	20.9	20.9	7.9	7.9	31.9	31.9	92.6	92.6	6.9	6.9	7.0	8	7.5	8	8	821481	810563							
						1.0	0.3	96	20.9		7.9	7.9	31.9	31.9	92.6	92.6	6.9		7.1	10												
					Middle	3.9	0.2	91	20.9	20.9	7.9	7.9	31.9	31.9	92.7	92.7	6.9	7.9	8													
						3.9	0.2	94	20.9		7.9	7.9	31.9	31.9	92.7	92.7	6.9	8.0	9													
					Bottom	6.8	0.3	87	20.9	20.9	7.9	7.9	31.9	31.9	93.1	93.1	6.9	7.4	7													
						6.8	0.3	85	20.9		7.9	7.9	31.9	31.9	93.1	93.1	6.9	7.4	6													
IM12	Fine	Moderate	12:15	8.4	Surface	1.0	0.3	110	21.3	21.3	8.0	8.0	32.0	32.0	91.2	91.2	6.7	6.7	3.7	7	4.1	7	8	821175	811502							
						1.0	0.3	108	21.3		8.0	8.0	32.0	32.0	91.2	91.2	6.7		3.7	8												
					Middle	4.2	0.3	109	21.3	21.3	8.0	8.0	32.0	32.0	90.7	90.7	6.7	3.8	8													
						4.2	0.3	115	21.3		8.0	8.0	32.0	32.0	90.7	90.7	6.7	3.9	8													
					Bottom	7.4	0.3	97	21.3	21.3	8.0	8.0	32.0	32.0	90.7	90.7	6.7	4.7	9													
						7.4	0.3	93	21.3		8.0	8.0	32.0	32.0	90.7	90.7	6.7	4.7	9													
SR1A	Fine	Calm	11:34	4.7	Surface	1.0	0.0	106	20.7	20.7	7.9	7.9	31.3	31.3	91.2	91.2	6.8	6.8	3.7	6	4.1	7	8	819911	812658							
						1.0	0.0	106	20.7		7.9	7.9	31.3	31.3	91.2	91.2	6.8		3.7	7												
					Middle	2.4	-	97	-	-	-	-	-	-	-	-	-	-	-	-		-				-	-	-	-	-	-	-
						2.4	0.0	103	-	-	-	-	-	-	-	-	-	-	-	-		-				-	-	-	-	-	-	-
					Bottom	3.7	0.0	103	20.7	20.7	7.9	7.9	31.3	31.3	91.8	91.9	6.9	4.6	9													
						3.7	0.0	100	20.7		7.9	7.9	31.3	31.3	91.9	91.9	6.9	4.6	8													
SR2	Fine	Moderate	11:19	4.4	Surface	1.0	0.2	44	21.5	21.5	7.9	7.9	32.1	32.1	90.6	90.6	6.6	6.6	3.0	7	6.6	7	7	821468	814160							
						1.0	0.2	38	21.5		7.9	7.9	32.1	32.1	90.6	90.6	6.6		3.0	8												
					Middle	-	0.2	43	-	-	-	-	-	-	-	-	-	-	-	-		-				-	-	-	-	-	-	-
						-	0.2	35	-	-	-	-	-	-	-	-	-	-	-	-		-				-	-	-	-	-	-	-
					Bottom	3.4	0.2	29	21.5	21.5	7.9	7.9	32.1	32.1	90.5	90.6	6.6	4.3	6													
						3.4	0.1	34	21.5		7.9	7.9	32.1	32.1	90.6	90.6	6.6	4.4	6													
SR3	Cloudy	Moderate	12:55	8.8	Surface	1.0	0.3	174	21.7	21.7	7.9	7.9	34.3	34.3	94.7	94.7	6.8	6.9	4.0	7	8.8	6	8	822163	807557							
						1.0	0.3	175	21.7		7.9	7.9	34.3	34.3	94.7	94.7	6.8		4.3	6												
					Middle	4.4	0.3	154	21.4	21.4	8.0	8.0	34.5	34.6	95.9	96.0	6.9	9.9	7													
						4.4	0.3	147	21.4		8.0	8.0	34.6	34.6	96.0	96.0	6.9	9.9	7													
					Bottom	7.8	0.2	196	21.3	21.3	8.0	8.0	34.7	34.7	96.9	97.0	7.0	12.3	10													
						7.8	0.2	194	21.3		8.0	8.0	34.7	34.7	97.1	97.0	7.0	12.7	9													
SR4A	Cloudy	Moderate	11:29	9.4	Surface	1.0	0.0	71	21.3	21.3	8.0	8.0	34.7	34.7	95.8	95.8	6.9	6.9	7.6	11	8.0	10	13	817189	807827							
						1.0	0.0	76	21.3		8.0	8.0	34.7	34.7	95.7	95.7	6.9		7.6	10												
					Middle	4.7	0.0	65	21.2	21.2	8.0	8.0	34.7	34.7	95.7	95.7	6.9	8.1	12													
						4.7	0.0	57	21.2		8.0	8.0	34.7	34.7	95.7	95.7	6.9	7.9	13													
					Bottom	8.4	0.0	41	21.2	21.2	8.0	8.0	34.7	34.7	95.6	95.6	6.9	8.5	15													
						8.4	0.0	33	21.2		8.0	8.0	34.7	34.7	95.6	95.6	6.9	8.5	16													
SR8	Fine	Calm	12:02	5.3	Surface	1.0	-	-	21.3	21.3	7.9	7.9	31.7	31.7	94.6	94.7	6.9	6.9	3.4	8	4.4	8	10	820398	811622							
						1.0	-	-	21.3		7.9	7.9	31.7	31.7	94.7	94.7	6.9		3.4	8												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-				-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-				-	-	-	-	-	-	-
					Bottom	4.3	-	-	21.1	21.1	7.9	7.9	31.8	31.8	93.1	93.1	6.9	5.4	10													
						4.3	-	-	21.1		7.9	7.9	31.8	31.8	93.1	93.1	6.9	5.4	12													

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 06 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Cloudy	Moderate	16:52	8.2	Surface	1.0	0.2	40	21.9	21.9	8.0	8.0	34.9	34.9	96.9	97.0	6.9	7.0	7.0	7.0	8.4	12.3	10	815627	804231			
						1.0	0.3	33	21.9	8.0	8.0	34.9	34.9	97.0	97.0	6.9	7.0	7.0	7.0	7.0	7.0	8.7	11					
					Middle	4.1	0.2	18	21.8	21.8	8.1	8.1	34.9	34.9	97.3	97.4	7.0	7.1	7.0	7.1	7.0	7.1	12.6			12	12	
						4.1	0.3	18	21.8	21.8	8.1	8.1	34.9	34.9	97.4	97.4	7.0	7.1	7.0	7.1	7.0	7.1	12.7			12	12	
					Bottom	7.2	0.2	14	21.8	21.8	8.1	8.1	34.9	34.9	98.1	98.3	7.0	7.1	7.0	7.1	7.0	7.1	15.9			13	13	
						7.2	0.2	9	21.8	21.8	8.1	8.1	34.9	34.9	98.4	98.3	7.1	7.1	7.1	7.1	7.1	7.1	15.4			13	13	
C2	Cloudy	Moderate	15:42	11.3	Surface	1.0	0.2	202	21.8	21.8	7.9	7.9	33.8	33.8	93.0	93.0	6.7	6.7	6.7	6.7	5.5	6.8	15	825666	806962			
						1.0	0.2	198	21.8	21.8	7.9	7.9	33.8	33.8	93.0	93.0	6.7	6.7	6.7	6.7	6.7	6.7	5.7			15		
					Middle	5.7	0.1	192	21.8	21.8	7.9	7.9	34.1	34.0	92.3	92.3	6.7	6.7	6.7	6.7	6.7	6.7	6.2			6.8	13	
						5.7	0.1	185	21.8	21.8	7.9	7.9	34.0	34.0	92.3	92.3	6.7	6.7	6.7	6.7	6.7	6.7	6.3			6.8	12	
					Bottom	10.3	0.1	182	21.9	21.9	7.8	7.8	34.4	34.4	91.3	91.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6			6.6	8.5	9
						10.3	0.1	186	21.9	21.9	7.8	7.8	34.4	34.4	91.3	91.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6			6.6	8.5	10
C3	Sunny	Rough	17:25	11.9	Surface	1.0	0.4	255	21.9	21.9	8.0	8.0	32.3	32.3	90.7	90.7	6.6	6.6	6.6	6.6	1.7	4.7	6	822108	817785			
						1.0	0.4	249	21.9	21.9	8.0	8.0	32.3	32.3	90.7	90.7	6.6	6.6	6.6	6.6	6.6	6.6	1.7			4.7	6	
					Middle	6.0	0.5	251	21.8	21.8	8.0	8.0	32.3	32.3	89.9	89.9	6.5	6.5	6.5	6.5	6.5	6.5	2.8			4.7	9	
						6.0	0.5	251	21.8	21.8	8.0	8.0	32.3	32.3	89.9	89.9	6.5	6.5	6.5	6.5	6.5	6.5	2.8			4.7	8	
					Bottom	10.9	0.4	252	21.8	21.8	8.0	8.0	32.3	32.3	91.1	91.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8			6.8	9.7	10
						10.9	0.4	251	21.8	21.8	8.0	8.0	32.3	32.3	91.1	91.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8			6.8	9.7	10
IM1	Cloudy	Moderate	16:28	6.6	Surface	1.0	0.0	23	21.6	21.6	8.0	8.0	34.6	34.6	94.5	94.5	6.8	6.8	6.8	6.8	7.6	10.2	11	818352	806437			
						1.0	0.0	26	21.6	21.6	8.0	8.0	34.6	34.6	94.5	94.5	6.8	6.8	6.8	6.8	6.8	6.8	8.0			10		
					Middle	3.3	0.1	40	21.6	21.6	8.0	8.0	34.6	34.6	94.4	94.4	6.8	6.8	6.8	6.8	6.8	6.8	11.1			10.2	9	
						3.3	0.1	41	21.6	21.6	8.0	8.0	34.6	34.6	94.4	94.4	6.8	6.8	6.8	6.8	6.8	6.8	11.5			10.2	8	
					Bottom	5.6	0.0	47	21.7	21.7	8.0	8.0	34.7	34.7	94.7	94.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8			6.8	11.7	8
						5.6	0.0	52	21.7	21.7	8.0	8.0	34.7	34.7	94.7	94.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8			6.8	11.2	8
IM2	Cloudy	Moderate	16:23	6.4	Surface	1.0	0.1	271	21.5	21.5	8.0	8.0	34.5	34.5	93.8	93.8	6.8	6.8	6.8	6.8	4.9	6.1	9	819181	806215			
						1.0	0.1	264	21.5	21.5	8.0	8.0	34.6	34.6	93.8	93.8	6.8	6.8	6.8	6.8	6.8	6.8	5.2			6.1	10	
					Middle	3.2	0.1	251	21.5	21.5	8.0	8.0	34.6	34.6	94.0	94.0	6.8	6.8	6.8	6.8	6.8	6.8	6.9			6.1	10	
						3.2	0.0	249	21.5	21.5	8.0	8.0	34.6	34.6	94.0	94.0	6.8	6.8	6.8	6.8	6.8	6.8	7.2			6.1	12	
					Bottom	5.4	0.0	240	21.5	21.5	8.0	7.9	34.6	34.6	94.1	94.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8			6.8	6.4	14
						5.4	0.1	240	21.5	21.5	7.9	7.9	34.6	34.6	94.1	94.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8			6.8	6.1	14
IM7	Cloudy	Moderate	16:03	8.2	Surface	1.0	0.1	247	21.8	21.8	8.0	8.0	34.3	34.3	95.5	95.6	6.9	7.0	7.0	7.0	2.7	4.9	10	821336	806846			
						1.0	0.1	247	21.8	21.8	8.0	8.0	34.3	34.3	95.6	95.6	6.9	7.0	7.0	7.0	7.0	7.0	2.7			4.9	12	
					Middle	4.1	0.1	251	21.5	21.5	8.0	8.0	34.8	34.8	97.1	97.2	7.0	7.1	7.0	7.1	7.0	7.1	5.8			4.9	10	
						4.1	0.2	251	21.5	21.5	8.0	8.0	34.8	34.8	97.2	97.2	7.0	7.1	7.0	7.1	7.0	7.1	5.9			4.9	11	
					Bottom	7.2	0.1	268	21.4	21.4	8.1	8.1	34.8	34.8	98.3	98.5	7.1	7.1	7.1	7.1	7.1	7.1	7.1			7.1	6.3	10
						7.2	0.1	270	21.4	21.4	8.1	8.1	34.8	34.8	98.7	98.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1			7.1	6.3	11

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 08 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	12:23	8.4	Surface	1.0	0.1	181	21.1	21.1	8.0	8.0	32.4	32.4	102.5	102.7	7.6	7.7	5.5	6.7	12	12	815625	804265
						1.0	0.1	182	21.1		8.0		32.4		102.8		7.6		12					
					Middle	4.2	0.0	174	21.0	8.0	8.0	32.4	32.4	103.9	104.3	7.7	7.7	6.6	12					
						4.2	0.1	169	20.9	8.0	8.0	32.4	32.4	104.6	104.3	7.7	7.7	6.6	12					
					Bottom	7.4	0.1	214	20.9	8.0	8.0	32.4	32.4	111.6	112.2	8.2	8.3	8.0	12					
						7.4	0.1	212	20.9	8.0	8.0	32.4	32.4	112.7	112.2	8.3	8.3	7.9	12					
C2	Fine	Moderate	11:32	9.0	Surface	1.0	0.1	355	20.7	20.7	8.0	8.0	32.4	32.4	95.9	96.0	7.1	7.2	7.8	8.7	14	13	825675	806946
						1.0	0.1	358	20.7		8.0		32.4		96.1		7.1		15					
					Middle	4.5	0.2	333	20.7	8.0	8.0	32.4	32.4	97.1	97.2	7.2	7.2	8.9	13					
						4.5	0.2	335	20.8	8.0	8.0	32.4	32.4	97.3	97.2	7.2	7.2	8.9	12					
					Bottom	8.0	0.2	329	20.8	8.0	8.0	32.4	32.4	98.1	98.3	7.3	7.3	9.4	12					
						8.0	0.1	327	20.8	8.0	8.0	32.4	32.4	98.5	98.3	7.3	7.3	9.5	11					
C3	Fine	Moderate	12:37	12.8	Surface	1.0	0.1	64	22.8	22.8	8.0	8.0	35.0	35.0	89.9	89.9	6.3	6.3	2.3	2.8	15	15	822098	817805
						1.0	0.1	65	22.8		8.0		35.0		89.8		6.3		2.5		15			
					Middle	6.4	0.0	66	22.7	8.0	8.0	35.0	35.0	89.5	89.5	6.3	6.3	2.8	15					
						6.4	0.0	58	22.7	8.0	8.0	35.0	35.0	89.5	89.5	6.3	6.3	2.9	16					
					Bottom	11.8	0.1	49	22.7	8.1	8.1	35.0	35.0	89.8	89.9	6.3	6.4	3.3	16					
						11.8	0.0	54	22.7	8.1	8.1	35.0	35.0	90.0	89.9	6.4	6.4	3.3	15					
IM1	Fine	Moderate	12:17	7.2	Surface	1.0	0.1	106	20.9	20.9	8.0	8.0	32.5	32.5	103.1	103.3	7.6	7.7	6.1	7.6	11	9	818351	806471
						1.0	0.1	98	20.9		8.0		32.5		103.4		7.6		10					
					Middle	3.6	0.1	103	20.9	8.0	8.0	32.5	32.5	104.1	104.7	7.7	7.7	7.7	8					
						3.6	0.1	109	20.9	8.0	8.0	32.5	32.5	105.2	104.7	7.8	7.8	7.6	9					
					Bottom	6.2	0.0	75	20.9	8.0	8.0	32.5	32.5	112.5	113.5	8.3	8.4	9.0	8					
						6.2	0.0	75	20.9	8.0	8.0	32.4	32.5	114.5	113.5	8.5	8.4	8.9	9					
IM2	Fine	Moderate	12:14	6.8	Surface	1.0	0.1	69	20.9	20.9	8.0	8.0	32.5	32.5	102.8	103.0	7.6	7.7	6.0	7.3	7	8	819186	806246
						1.0	0.1	66	20.9		8.0		32.5		103.1		7.6		8					
					Middle	3.4	0.1	52	20.9	8.0	8.0	32.5	32.5	104.2	104.6	7.7	7.7	7.7	8					
						3.4	0.1	44	20.9	8.0	8.0	32.5	32.5	104.9	104.6	7.7	7.7	7.6	8					
					Bottom	5.8	0.1	63	20.9	8.0	8.0	32.5	32.5	107.6	108.5	7.9	8.0	8.1	9					
						5.8	0.1	67	20.9	8.0	8.0	32.5	32.5	109.3	108.5	8.1	8.0	8.1	8					
IM7	Fine	Moderate	11:54	6.6	Surface	1.0	0.1	54	20.6	20.6	8.0	8.0	32.3	32.3	101.9	102.1	7.6	7.7	7.5	8.2	8	8	821331	806815
						1.0	0.1	48	20.6		8.0		32.3		102.2		7.6		8					
					Middle	3.3	0.1	63	20.7	8.0	8.0	32.3	32.3	103.8	104.1	7.7	7.7	8.3	8					
						3.3	0.1	65	20.7	8.0	8.0	32.3	32.3	104.3	104.1	7.7	7.7	8.2	8					
					Bottom	5.6	0.1	73	20.8	8.0	8.0	32.3	32.3	109.0	111.3	8.1	8.3	9.0	8					
						5.6	0.2	72	20.8	8.0	8.0	32.3	32.3	113.6	111.3	8.4	8.3	9.1	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 08 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	11:23	7.7	Surface	1.0	0.1	323	21.9	21.9	8.0	8.0	34.7	34.7	93.3	93.3	6.7	6.7	5.7	6.0	14	16	822262	809829
						1.0	0.1	319	21.9		8.0		34.7		93.3		6.7		5.9		15			
					Middle	3.9	0.1	314	21.9	8.0	34.7	93.3	6.7	6.4	16									
						3.9	0.0	310	21.9	8.0	34.7	93.3	6.7	6.4	16									
					Bottom	6.7	0.1	327	21.9	8.0	34.8	93.9	6.7	5.8	16									
						6.7	0.1	329	21.9	8.0	34.8	94.1	6.7	5.9	17									
IM11	Fine	Moderate	11:31	8.1	Surface	1.0	0.1	298	22.1	22.1	8.0	8.0	34.8	34.8	92.7	92.7	6.6	6.6	6.1	7.5	15	16	821492	810542
						1.0	0.2	300	22.1		8.0		34.8		92.7		6.6		6.3		16			
					Middle	4.1	0.1	298	22.0	8.0	34.8	92.7	6.6	7.6	16									
						4.1	0.1	296	22.0	8.0	34.8	92.7	6.6	7.7	16									
					Bottom	7.1	0.1	320	22.0	8.0	34.8	93.7	6.7	8.7	16									
						7.1	0.1	314	22.0	8.0	34.8	94.1	6.7	8.7	17									
IM12	Fine	Moderate	11:37	9.1	Surface	1.0	0.0	305	22.2	22.2	8.0	8.0	34.8	34.8	93.3	93.4	6.6	6.7	6.0	6.6	16	15	821164	811500
						1.0	0.1	308	22.2		8.0		34.8		93.4		6.6		6.1		17			
					Middle	4.6	0.1	302	21.9	8.0	34.7	93.1	6.7	6.6	16									
						4.6	0.1	302	21.9	8.0	34.7	93.2	6.7	6.7	16									
					Bottom	8.1	0.0	303	21.9	8.0	34.7	93.7	6.7	7.0	14									
						8.1	0.0	310	21.9	8.1	34.7	94.0	6.7	6.9	13									
SR1A	Fine	Moderate	12:05	5.5	Surface	1.0	0.0	16	21.7	21.7	8.0	8.0	34.5	34.5	93.3	93.3	6.7	6.7	5.1	6.7	15	16	819973	812659
						1.0	0.0	17	21.7		8.0		34.5		93.3		6.7		5.6		16			
					Middle	2.8	0.0	20	-	-	-	-	-	-	-									
						2.8	0.0	23	-	-	-	-	-	-	-									
					Bottom	4.5	0.1	18	21.6	8.0	34.6	94.5	6.8	8.0	17									
						4.5	0.1	22	21.6	8.0	34.6	94.8	6.8	7.9	16									
SR2	Fine	Moderate	12:19	4.7	Surface	1.0	0.1	19	22.1	22.1	8.0	8.0	34.8	34.8	94.6	94.8	6.8	6.8	4.9	6.8	15	16	821450	814165
						1.0	0.1	19	22.1		8.0		34.8		94.9		6.8		5.2		16			
					Middle	-	0.1	16	-	-	-	-	-	-	-									
						-	0.1	21	-	-	-	-	-	-	-									
					Bottom	3.7	0.1	35	21.9	8.0	34.8	95.7	6.9	6.0	16									
						3.7	0.1	35	21.9	8.0	34.8	96.2	6.9	5.9	17									
SR3	Fine	Moderate	11:47	8.6	Surface	1.0	0.1	17	20.7	20.7	8.0	8.0	32.4	32.4	93.8	93.8	7.0	7.0	6.2	7.0	11	12	822169	807562
						1.0	0.1	13	20.7		8.0		32.4		93.8		7.0		6.3		10			
					Middle	4.3	0.1	14	20.7	8.0	32.4	94.1	7.0	7.4	13									
						4.3	0.1	17	20.7	8.0	32.4	94.1	7.0	7.3	12									
					Bottom	7.6	0.1	356	20.7	8.0	32.4	94.4	7.0	8.4	13									
						7.6	0.2	351	20.7	8.0	32.4	94.5	7.0	8.5	12									
SR4A	Fine	Moderate	12:35	8.8	Surface	1.0	0.1	343	20.8	20.8	8.0	8.0	32.6	32.6	102.2	102.4	7.6	7.7	6.4	7.7	6	6	817174	807818
						1.0	0.0	349	20.8		8.0		32.6		102.5		7.6		6.5		7			
					Middle	4.4	0.1	4	20.7	8.0	32.6	103.7	7.7	7.2	7									
						4.4	0.1	359	20.7	8.0	32.6	104.2	7.7	7.1	6									
					Bottom	7.8	0.0	327	20.7	8.0	32.5	109.5	8.1	8.4	6									
						7.8	0.0	321	20.7	8.0	32.5	114.7	8.5	8.5	6									
SR8	Fine	Moderate	11:44	4.7	Surface	1.0	-	-	22.0	22.0	8.0	8.0	34.8	34.8	93.7	93.7	6.7	6.7	8.9	9.3	16	15	820401	811643
						1.0	-	-	22.0		8.0		34.8		93.7		6.7		8.9		16			
					Middle	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-									
					Bottom	3.7	-	-	22.0	8.0	34.7	93.7	6.7	10.0	14									
						3.7	-	-	22.0	8.0	34.7	93.8	6.7	9.5	13									

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 08 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	07:23	8.4	Surface	1.0	0.4	40	20.7	20.7	7.9	7.9	32.1	32.1	96.1	96.2	7.1	7.2	7.5	8.2	7	7	815635	804242
						1.0	0.4	32	20.7		7.9		32.1		96.2		7.1		7.5		6			
					Middle	4.2	0.3	27	20.7	7.9	7.9	32.2	32.2	96.5	96.6	7.2	7.2	8.2	7					
						4.2	0.3	21	20.7	7.9	7.9	32.2	32.2	96.7	96.6	7.2	7.3	8.1	7					
					Bottom	7.4	0.3	7	20.8	7.9	7.9	32.3	32.2	97.8	98.1	7.3	7.3	9.0	7					
						7.4	0.4	5	20.8	7.9	7.9	32.2	32.2	98.4	98.1	7.3	7.3	9.1	8					
C2	Fine	Moderate	08:21	9.4	Surface	1.0	0.3	340	20.7	20.7	8.0	8.0	32.4	32.4	100.7	100.9	7.5	7.6	7.8	8.3	13	12	825681	806948
						1.0	0.4	333	20.7		8.0		32.4		101.0		7.5		7.7		12			
					Middle	4.7	0.3	357	20.7	8.0	8.0	32.4	32.4	102.0	102.4	7.6	7.6	8.1	13					
						4.7	0.4	359	20.7	8.0	8.0	32.4	32.4	102.7	102.4	7.6	7.6	8.1	12					
					Bottom	8.4	0.4	357	20.7	8.0	8.0	32.4	32.4	106.9	109.3	7.9	8.1	9.0	11					
						8.4	0.4	356	20.7	8.0	8.0	32.4	32.4	111.6	109.3	8.3	8.1	9.0	12					
C3	Cloudy	Moderate	08:13	11.6	Surface	1.0	0.4	244	22.4	22.4	7.9	7.9	34.7	34.7	89.7	89.7	6.4	6.4	12.8	10.0	12	13	822101	817792
						1.0	0.4	250	22.4		7.9		34.7		89.7		6.4		13.1		13			
					Middle	5.8	0.4	237	22.4	7.9	7.9	34.8	34.8	89.6	89.7	6.4	6.4	8.7	13					
						5.8	0.4	244	22.4	7.9	7.9	34.8	34.8	89.7	89.7	6.4	6.4	8.8	12					
					Bottom	10.6	0.4	241	22.3	7.9	7.9	34.8	34.8	89.7	89.7	6.4	6.4	8.3	13					
						10.6	0.4	248	22.3	7.9	7.9	34.8	34.8	89.7	89.7	6.4	6.4	8.3	13					
IM1	Fine	Moderate	07:33	7.0	Surface	1.0	0.2	6	20.8	20.8	7.9	7.9	32.6	32.6	95.2	95.3	7.1	7.1	6.9	7.5	10	11	818370	806468
						1.0	0.1	6	20.8		7.9		32.6		95.3		7.1		6.8		10			
					Middle	3.5	0.2	21	20.8	8.0	8.0	32.6	32.6	95.8	95.9	7.1	7.1	7.1	11					
						3.5	0.2	21	20.8	8.0	8.0	32.6	32.6	96.0	95.9	7.1	7.1	7.2	12					
					Bottom	6.0	0.2	19	20.8	8.0	8.0	32.5	32.5	97.5	97.8	7.2	7.3	8.4	12					
						6.0	0.2	12	20.8	8.0	8.0	32.5	32.5	98.1	97.8	7.3	7.3	8.5	12					
IM2	Fine	Moderate	07:37	7.8	Surface	1.0	0.2	10	20.9	20.9	8.0	8.0	32.6	32.6	97.9	98.0	7.2	7.3	6.6	7.3	10	11	819199	806236
						1.0	0.2	14	20.9		8.0		32.6		98.0		7.2		6.5		10			
					Middle	3.9	0.2	350	20.8	8.0	8.0	32.6	32.6	99.2	99.2	7.3	7.3	7.3	11					
						3.9	0.2	351	20.8	8.0	8.0	32.6	32.6	99.2	99.2	7.3	7.3	7.3	11					
					Bottom	6.8	0.2	23	20.8	8.0	8.0	32.6	32.6	100.0	100.4	7.4	7.4	8.0	12					
						6.8	0.2	28	20.9	8.0	8.0	32.6	32.6	100.7	100.4	7.4	7.4	8.1	12					
IM7	Fine	Moderate	07:58	7.6	Surface	1.0	0.1	344	20.5	20.5	7.9	7.9	31.9	31.9	97.3	97.5	7.3	7.4	6.1	7.5	13	13	821365	806829
						1.0	0.1	343	20.5		7.9		32.0		97.6		7.3		6.2		14			
					Middle	3.8	0.2	331	20.5	8.0	8.0	32.1	32.1	98.8	99.0	7.4	7.4	8.0	12					
						3.8	0.2	330	20.5	8.0	8.0	32.1	32.1	99.2	99.0	7.4	7.4	7.9	13					
					Bottom	6.6	0.1	348	20.5	8.0	8.0	32.2	32.2	100.4	100.9	7.5	7.6	8.4	13					
						6.6	0.1	342	20.5	8.0	8.0	32.2	32.2	101.3	100.9	7.6	7.6	8.5	12					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 08 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Cloudy	Moderate	09:37	7.2	Surface	1.0	0.2	284	21.7	21.7	8.0	8.0	34.7	34.7	94.2	94.3	6.8	6.8	6.7	7.3	13	12	822233	809829
						1.0	0.2	278	21.7		8.0	8.0	34.7	34.7	94.3	94.3	6.8		6.9					
					Middle	3.6	0.3	288	21.6	21.6	8.0	8.0	34.7	34.7	94.8	94.9	6.8	6.8	7.4	13				
						3.6	0.2	280	21.6		8.0	8.0	34.7	34.7	95.0	94.9	6.8		7.5	12				
					Bottom	6.2	0.3	291	21.6	21.6	8.0	8.0	34.7	34.7	96.6	96.9	7.0	7.0	7.6	11				
						6.2	0.3	292	21.6		8.0	8.0	34.7	34.7	97.1	96.9	7.0		7.7	12				
IM11	Cloudy	Moderate	09:28	8.8	Surface	1.0	0.4	279	21.8	21.8	8.0	8.0	34.7	34.7	94.4	94.5	6.8	6.8	7.2	8.4	18	18	821481	810549
						1.0	0.4	275	21.8		8.0	8.0	34.7	34.7	94.5	94.5	6.8		7.3					
					Middle	4.4	0.4	272	21.7	21.7	8.0	8.0	34.7	34.7	95.2	95.4	6.8	6.8	8.3	18				
						4.4	0.4	270	21.7		8.0	8.0	34.7	34.7	95.5	95.4	6.9		8.8	17				
					Bottom	7.8	0.4	290	21.7	21.7	8.0	8.0	34.7	34.7	97.7	97.9	7.0	7.0	9.4	17				
						7.8	0.4	283	21.7		8.0	8.0	34.7	34.7	98.0	97.9	7.0		9.6	16				
IM12	Cloudy	Moderate	09:22	8.6	Surface	1.0	0.3	296	21.9	21.9	8.0	8.0	34.7	34.7	93.4	93.4	6.7	6.8	11.4	12.1	18	17	821149	811512
						1.0	0.3	290	21.9		8.0	8.0	34.7	34.7	93.4	93.4	6.7		11.5					
					Middle	4.3	0.4	296	21.8	21.8	8.0	8.0	34.7	34.7	94.0	94.1	6.8	6.8	11.2	17				
						4.3	0.4	291	21.8		8.0	8.0	34.7	34.7	94.2	94.1	6.8		11.9	16				
					Bottom	7.6	0.4	261	21.7	21.7	8.0	8.0	34.6	34.6	96.5	96.7	6.9	7.0	13.2	15				
						7.6	0.4	254	21.7		8.0	8.0	34.6	34.6	96.9	96.7	7.0		13.5	14				
SR1A	Cloudy	Moderate	08:49	5.4	Surface	1.0	0.1	187	21.4	21.4	8.1	8.1	34.3	34.3	92.7	92.8	6.7	6.7	9.8	11.3	16	15	819982	812663
						1.0	0.1	183	21.4		8.1	8.1	34.3	34.3	92.9	92.8	6.7		10.2					
					Middle	2.7	0.0	217	-	-	-	-	-	-	-	-	-	-	-	-				
						2.7	0.0	210	-		-	-	-	-	-	-	-		-					
					Bottom	4.4	0.0	223	21.4	21.4	8.1	8.1	34.3	34.3	94.8	94.9	6.9	6.9	13.0	15				
						4.4	0.0	215	21.4		8.1	8.1	34.3	34.3	95.0	94.9	6.9		12.2	15				
SR2	Cloudy	Moderate	08:33	4.7	Surface	1.0	0.1	235	22.0	22.0	7.9	7.9	34.7	34.7	92.2	92.2	6.6	6.6	11.5	12.2	14	15	821447	814167
						1.0	0.1	240	21.9		7.9	7.9	34.7	34.7	92.2	92.2	6.6		12.0					
					Middle	-	0.1	268	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.1	271	-		-	-	-	-	-	-	-		-					
					Bottom	3.7	0.1	244	21.9	21.9	7.9	7.9	34.7	34.7	93.0	93.1	6.7	6.7	12.5	16				
						3.7	0.0	244	21.9		7.9	7.9	34.7	34.7	93.1	93.1	6.7		12.8	16				
SR3	Fine	Moderate	08:04	9.0	Surface	1.0	0.2	346	20.5	20.5	7.9	7.9	31.8	31.8	94.4	94.5	7.1	7.3	6.2	7.3	8	9	822145	807553
						1.0	0.2	340	20.4		7.9	7.9	31.9	31.8	94.5	94.5	7.1		6.1					
					Middle	4.5	0.2	326	20.4	20.4	8.0	8.0	32.3	32.3	98.5	98.6	7.4	7.4	7.3	8				
						4.5	0.2	321	20.4		8.0	8.0	32.3	32.3	98.7	98.6	7.4		7.2	10				
					Bottom	8.0	0.2	320	20.4	20.4	8.0	8.0	32.4	32.4	100.2	100.5	7.5	7.5	8.4	10				
						8.0	0.2	325	20.4		8.0	8.0	32.4	32.4	100.7	100.5	7.5		8.5	10				
SR4A	Fine	Moderate	07:06	9.0	Surface	1.0	0.0	214	20.3	20.3	7.8	7.8	31.9	31.9	96.0	96.2	7.2	7.3	6.4	7.3	14	14	817188	807804
						1.0	0.0	209	20.3		7.8	7.8	31.9	31.9	96.3	96.2	7.2		6.5					
					Middle	4.5	0.0	216	20.2	20.2	7.8	7.8	31.9	31.9	96.9	97.0	7.3	7.3	7.0	14				
						4.5	0.0	209	20.2		7.8	7.8	31.9	31.9	97.1	97.0	7.3		7.1	13				
					Bottom	8.0	0.0	229	20.2	20.3	7.9	7.9	31.8	31.8	98.1	98.3	7.4	7.4	8.6	13				
						8.0	0.0	223	20.3		7.9	7.9	31.8	31.8	98.5	98.3	7.4		8.5	12				
SR8	Cloudy	Moderate	09:13	5.2	Surface	1.0	-	-	21.8	21.8	8.0	8.0	34.5	34.5	95.0	95.0	6.8	6.8	7.0	7.8	12	14	820404	811615
						1.0	-	-	21.8		8.0	8.0	34.5	34.5	95.0	95.0	6.8		7.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	4.2	-	-	21.5	21.5	8.0	8.0	34.7	34.7	95.3	95.5	6.9	6.9	8.1	14				
						4.2	-	-	21.5		8.0	8.0	34.7	34.7	95.7	95.5	6.9		8.4	15				

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 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
C1	Fine	Moderate	14:01	8.3	Surface	1.0	0.0	148	22.2	22.2	8.0	8.0	34.8	34.8	95.9	95.9	6.8	6.8	10.7	13.3	13	14	815601	804261			
						1.0	0.0	155	22.2		8.0		34.8		95.8		6.8		10.9		14						
					Middle	4.2	-	178	22.1	22.1	8.0	8.0	34.8	34.8	94.7	94.7	6.8	6.8	13.2	6.8	14	6.8			6.8	13.4	14
						4.2	0.0	178	22.0		8.0		34.8		94.6		6.8		13.4		14						
					Bottom	7.3	0.0	170	22.1	22.1	8.0	8.0	35.0	35.0	95.0	95.1	6.8	6.8	15.8	6.8	6.8	6.8			6.8	15.8	15
						7.3	0.0	167	22.1		8.0		35.0		95.1		6.8		15.9		15						
C2	Fine	Moderate	12:33	11.4	Surface	1.0	0.2	345	21.5	21.5	7.9	7.9	33.8	33.8	92.7	92.7	6.7	6.7	6.3	8.9	7	7	825680	806963			
						1.0	0.2	345	21.5		7.9		33.8		92.6		6.7		6.9		8						
					Middle	5.7	0.1	9	21.3	21.3	7.9	7.9	34.1	34.2	91.9	91.9	6.7	6.7	9.9	6.7	7	6.7			6.7	9.3	7
						5.7	0.1	8	21.3		7.9		34.2		91.9		6.7		7								
					Bottom	10.4	0.1	336	21.4	21.4	7.9	7.9	34.5	34.5	92.1	92.1	6.7	6.7	10.2	6.7	6.7	6.7			6.7	10.2	6
						10.4	0.2	329	21.4		7.9		34.5		92.1		6.7		10.8		6						
C3	Fine	Moderate	13:39	9.8	Surface	1.0	0.1	92	21.6	21.6	7.9	7.9	32.0	32.0	91.1	91.3	6.7	6.7	6.6	7.3	12	11	822131	817793			
						1.0	0.1	95	21.6		7.9		32.0		91.4		6.7		6.6		11						
					Middle	4.9	-	74	21.5	21.6	7.9	7.9	32.0	32.0	92.1	92.2	6.7	6.7	7.0	6.7	11	6.7			6.7	7.0	11
						4.9	0.0	77	21.6		7.9		32.0		92.3		6.8		11								
					Bottom	8.8	0.0	71	21.6	21.6	7.9	7.9	32.0	32.0	93.1	93.3	6.8	6.8	8.4	6.8	6.8	6.8			6.8	8.4	11
						8.8	0.1	69	21.6		7.9		32.0		93.5		6.8		8.5		11						
IM1	Fine	Moderate	13:46	6.4	Surface	1.0	0.1	60	21.9	21.9	7.9	7.9	34.8	34.8	94.9	94.9	6.8	6.8	13.7	13.7	14	15	818360	806444			
						1.0	0.0	56	21.9		7.9		34.8		94.9		6.8		14.1		14						
					Middle	3.2	0.0	42	21.8	21.8	7.9	7.9	34.8	34.8	94.3	94.2	6.8	6.8	14.0	6.8	15	6.8			6.8	13.6	14
						3.2	0.0	42	21.8		7.9		34.8		94.1		6.8		14								
					Bottom	5.4	0.1	64	21.7	21.7	7.9	7.9	34.7	34.7	92.9	92.9	6.7	6.7	13.5	6.7	6.7	6.7			6.7	13.5	16
						5.4	0.1	59	21.7		7.9		34.7		92.9		6.7		13.2		15						
IM2	Fine	Moderate	13:38	7.2	Surface	1.0	0.1	62	21.7	21.7	7.9	7.9	34.5	34.5	96.1	96.0	6.9	6.9	8.8	9.6	10	11	819181	806247			
						1.0	0.1	56	21.7		7.9		34.5		95.9		6.9		8.9		11						
					Middle	3.6	0.0	31	21.6	21.6	7.9	7.9	34.6	34.6	94.4	94.4	6.8	6.8	9.2	6.8	11	6.8			6.8	9.1	11
						3.6	0.0	32	21.6		7.9		34.6		94.3		6.8		11								
					Bottom	6.2	0.0	38	21.5	21.5	7.9	7.9	34.6	34.6	95.1	95.2	6.9	6.9	10.8	6.9	6.9	6.9			6.9	10.8	11
						6.2	0.0	34	21.5		7.9		34.6		95.2		6.9		10.8		11						
IM7	Fine	Moderate	13:14	7.9	Surface	1.0	0.2	41	21.4	21.4	7.9	7.9	34.6	34.6	93.2	93.2	6.7	6.7	7.6	9.4	9	9	821352	806857			
						1.0	0.1	45	21.4		7.9		34.6		93.2		6.7		7.7		8						
					Middle	4.0	0.1	65	21.4	21.4	7.9	7.9	34.6	34.6	93.2	93.2	6.7	6.7	8.9	6.7	9	6.7			6.7	10.0	9
						4.0	0.1	58	21.4		7.9		34.6		93.2		6.7		9								
					Bottom	6.9	0.1	44	21.4	21.4	7.9	7.9	34.6	34.6	93.6	93.7	6.8	6.8	10.8	6.8	6.8	6.8			6.8	10.8	9
						6.9	0.1	46	21.4		7.9		34.6		93.7		6.8		11.2		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 10 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	09:27	8.1	Surface	1.0	0.3	18	21.9	21.9	7.9	7.9	34.8	34.8	95.0	95.0	6.8	6.8	14.7	14.8	19	21	815600	804229
						1.0	0.3	16	21.9	7.9	7.9	34.8	34.8	95.0	95.0	6.8	6.8	14.6	14.8	19	21			
					Middle	4.1	0.3	19	21.8	21.8	7.9	7.9	34.8	34.8	94.5	94.5	6.8	6.8	14.6	14.8	20	21		
						4.1	0.3	20	21.8	21.8	7.9	7.9	34.8	34.8	94.4	94.5	6.8	6.8	14.2	14.8	21	21		
					Bottom	7.1	0.4	41	21.8	21.8	7.9	7.9	34.7	34.7	94.2	94.2	6.8	6.8	15.7	14.8	24	21		
						7.1	0.4	36	21.8	21.8	7.9	7.9	34.7	34.7	94.2	94.2	6.8	6.8	15.1	14.8	23	21		
C2	Fine	Moderate	10:35	11.2	Surface	1.0	0.3	344	21.4	21.4	7.9	7.9	33.9	33.9	92.4	92.4	6.7	6.7	7.5	10.4	10	8	825660	806930
						1.0	0.3	345	21.4	21.4	7.9	7.9	33.9	33.9	92.3	92.4	6.7	6.7	8.3	10.4	9	8		
					Middle	5.6	0.3	331	21.3	21.3	7.9	7.9	34.1	34.1	91.9	92.0	6.7	6.7	11.0	10.4	8	8		
						5.6	0.3	334	21.3	21.3	7.9	7.9	34.2	34.1	92.0	92.0	6.7	6.7	10.8	10.4	9	8		
					Bottom	10.2	0.3	354	21.3	21.3	7.9	7.9	34.4	34.4	92.5	92.5	6.7	6.7	12.5	10.4	7	8		
						10.2	0.3	354	21.3	21.3	7.9	7.9	34.4	34.4	92.5	92.5	6.7	6.7	12.2	10.4	6	8		
C3	Fine	Moderate	09:50	10.2	Surface	1.0	0.4	277	21.2	21.2	7.7	7.7	31.7	31.7	90.1	90.1	6.7	6.7	7.2	8.1	11	10	822123	817811
						1.0	0.5	284	21.1	21.2	7.7	7.7	31.7	31.7	90.1	90.1	6.7	6.7	7.2	8.1	11	10		
					Middle	5.1	0.5	252	21.1	21.1	7.7	7.7	31.6	31.6	90.5	90.6	6.7	6.7	8.1	8.1	9	10		
						5.1	0.5	251	21.1	21.1	7.7	7.7	31.6	31.6	90.6	90.6	6.7	6.7	8.1	8.1	10	10		
					Bottom	9.2	0.4	269	21.1	21.1	7.7	7.7	31.5	31.5	90.9	91.0	6.7	6.7	9.1	8.1	9	10		
						9.2	0.4	263	21.1	21.1	7.7	7.7	31.5	31.5	91.0	91.0	6.7	6.7	9.1	8.1	8	10		
IM1	Fine	Moderate	09:39	6.5	Surface	1.0	0.2	21	21.5	21.5	7.9	7.9	34.4	34.4	93.5	93.5	6.8	6.8	13.1	13.8	20	19	818341	806449
						1.0	0.2	27	21.5	21.5	7.9	7.9	34.4	34.4	93.4	93.5	6.8	6.8	13.2	13.8	20	19		
					Middle	3.3	0.2	2	21.4	21.4	7.9	7.9	34.4	34.4	92.6	92.6	6.7	6.7	12.5	13.3	20	19		
						3.3	0.2	8	21.4	21.4	7.9	7.9	34.4	34.4	92.6	92.6	6.7	6.7	12.6	13.3	19	19		
					Bottom	5.5	0.2	3	21.2	21.2	7.9	7.9	34.5	34.5	92.6	92.6	6.7	6.7	15.5	13.3	19	19		
						5.5	0.2	7	21.2	21.2	7.9	7.9	34.5	34.5	92.6	92.6	6.7	6.7	15.6	13.3	18	19		
IM2	Fine	Moderate	09:46	6.8	Surface	1.0	0.2	355	21.4	21.4	7.9	7.9	34.4	34.4	93.9	93.9	6.8	6.8	13.8	13.3	13	14	819180	806255
						1.0	0.1	348	21.4	21.4	7.9	7.9	34.4	34.4	93.8	93.9	6.8	6.8	13.2	13.3	13	14		
					Middle	3.4	0.2	359	21.3	21.3	7.9	7.9	34.4	34.4	93.0	93.0	6.7	6.7	12.6	13.3	15	14		
						3.4	0.2	352	21.3	21.3	7.9	7.9	34.4	34.4	93.0	93.0	6.7	6.7	12.9	13.3	14	14		
					Bottom	5.8	0.2	26	21.2	21.2	7.9	7.9	34.5	34.5	93.2	93.3	6.8	6.8	13.7	13.3	15	14		
						5.8	0.2	19	21.2	21.2	7.9	7.9	34.5	34.5	93.3	93.3	6.8	6.8	13.6	13.3	16	14		
IM7	Fine	Moderate	10:08	8.2	Surface	1.0	0.2	11	21.4	21.4	7.9	7.9	34.6	34.6	92.8	92.8	6.7	6.7	10.9	12.0	12	14	821345	806849
						1.0	0.2	4	21.4	21.4	7.9	7.9	34.6	34.6	92.8	92.8	6.7	6.7	11.0	12.0	13	14		
					Middle	4.1	0.2	353	21.3	21.3	7.9	7.9	34.6	34.6	92.4	92.4	6.7	6.7	11.2	12.0	13	14		
						4.1	0.1	356	21.3	21.3	7.9	7.9	34.6	34.6	92.4	92.4	6.7	6.7	11.6	12.0	14	14		
					Bottom	7.2	0.1	12	21.3	21.3	7.9	7.9	34.6	34.6	92.4	92.5	6.7	6.7	13.9	12.0	15	14		
						7.2	0.1	18	21.3	21.3	7.9	7.9	34.6	34.6	92.5	92.5	6.7	6.7	13.2	12.0	14	14		

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 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)			Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
										Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	10:53	8.2	Surface	1.0	0.3	287	20.5	20.5	7.8	7.8	31.6	31.6	94.3	94.4	7.1	7.1	8.2	8.2	15		822237	809857	
						1.0	0.3	289	20.5	7.8	7.8	31.6	31.6	94.5	94.4	7.1	7.1	8.2	8.2	14					
						4.1	0.2	308	20.5	7.8	7.8	31.6	31.6	94.7	94.8	7.1	7.1	9.5	9.5	14					
					Middle	4.1	0.2	300	20.5	7.8	7.8	31.6	31.6	94.9	94.8	7.1	7.1	9.6	9.6	14					
						7.2	0.2	304	20.5	7.8	7.8	31.6	31.5	95.4	95.5	7.1	7.2	10.0	10.0	14					
						7.2	0.3	302	20.5	7.8	7.8	31.5	31.5	95.6	95.5	7.2	7.2	10.0	10.0	13					
IM11	Fine	Moderate	10:46	7.0	Surface	1.0	0.3	291	20.6	20.6	7.8	7.8	31.7	31.7	94.0	94.1	7.0	7.1	6.0	6.0	10		821488	810553	
						1.0	0.3	293	20.6	7.8	7.8	31.7	31.7	94.2	94.1	7.0	7.1	6.1	6.1	10					
						3.5	0.3	274	20.6	7.8	7.8	31.6	31.6	94.9	95.0	7.1	7.1	7.7	7.7	10					
					Middle	3.5	0.3	271	20.6	7.8	7.8	31.6	31.6	95.0	95.0	7.1	7.1	7.7	7.7	10					
						6.0	0.4	259	20.6	7.8	7.8	31.6	31.6	95.5	95.6	7.1	7.2	8.5	8.5	11					
						6.0	0.4	265	20.6	7.8	7.8	31.6	31.6	95.7	95.6	7.2	7.2	8.6	8.6	12					
IM12	Fine	Moderate	10:40	8.6	Surface	1.0	0.3	294	20.5	20.5	7.8	7.8	31.6	31.6	94.1	94.2	7.0	7.1	4.9	4.9	9		821171	811535	
						1.0	0.3	289	20.5	7.8	7.8	31.6	31.6	94.3	94.2	7.1	7.1	4.9	4.9	8					
						4.3	0.3	279	20.5	7.8	7.8	31.6	31.6	94.8	94.9	7.1	7.1	5.3	5.3	8					
					Middle	4.3	0.3	286	20.5	7.8	7.8	31.6	31.6	94.9	94.9	7.1	7.1	5.2	5.2	9					
						7.6	0.3	303	20.5	7.8	7.8	31.6	31.6	95.4	95.5	7.1	7.1	6.6	6.6	9					
						7.6	0.3	305	20.5	7.8	7.8	31.6	31.6	95.6	95.5	7.1	7.1	6.7	6.7	10					
SR1A	Fine	Moderate	10:18	4.0	Surface	1.0	0.0	209	20.5	20.5	7.8	7.8	31.6	31.6	93.4	93.5	7.0	7.0	7.0	7.0	9		819979	812663	
						1.0	0.1	206	20.5	7.8	7.8	31.6	31.6	93.5	93.5	7.0	7.0	7.1	7.1	9					
						2.0	0.0	231	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4			
					Middle	2.0	0.0	235	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4			
						3.0	0.0	231	20.5	7.8	7.8	31.6	31.6	94.1	94.3	7.0	7.1	7.8	7.8	14					
						3.0	0.1	236	20.5	7.8	7.8	31.6	31.6	94.4	94.3	7.1	7.1	7.7	7.7	15					
SR2	Fine	Moderate	10:07	4.2	Surface	1.0	0.0	277	20.6	20.6	7.8	7.8	31.4	31.4	94.4	94.5	7.1	7.1	8.5	8.5	14		821474	814169	
						1.0	0.1	281	20.6	7.8	7.8	31.4	31.4	94.5	94.5	7.1	7.1	8.6	8.6	14					
						-	0.0	266	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1			
					Middle	-	0.0	270	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1			
						3.2	0.1	264	20.6	7.8	7.8	31.4	31.4	95.2	95.4	7.1	7.1	9.2	9.2	14					
						3.2	0.1	270	20.6	7.8	7.8	31.4	31.4	95.5	95.4	7.1	7.1	9.3	9.3	14					
SR3	Fine	Moderate	10:16	8.8	Surface	1.0	0.3	334	21.4	21.4	7.9	7.9	33.9	33.9	93.2	93.2	6.8	6.8	14.3	14.3	7		822147	807552	
						1.0	0.3	330	21.4	7.9	7.9	33.9	33.9	93.1	93.1	6.8	6.8	14.6	14.6	7					
						4.4	0.2	356	21.4	7.9	7.9	34.3	34.3	92.7	92.7	6.7	6.7	13.2	13.2	7					
					Middle	4.4	0.2	353	21.4	7.9	7.9	34.3	34.3	92.6	92.6	6.7	6.7	13.3	13.3	7					
						7.8	0.3	325	21.3	7.9	7.9	34.3	34.3	92.4	92.4	6.7	6.7	13.6	13.6	6					
						7.8	0.3	324	21.3	7.9	7.9	34.3	34.3	92.4	92.4	6.7	6.7	13.8	13.8	7					
SR4A	Fine	Moderate	09:09	9.2	Surface	1.0	0.0	223	21.3	21.3	7.9	7.9	34.6	34.6	94.4	94.4	6.8	6.8	14.6	14.6	13		817207	807802	
						1.0	0.1	219	21.3	7.9	7.9	34.6	34.6	94.4	94.4	6.8	6.8	14.5	14.5	12					
						4.6	0.0	209	21.2	7.9	7.9	34.6	34.6	94.0	94.0	6.8	6.8	9.5	9.5	14					
					Middle	4.6	0.1	211	21.2	7.9	7.9	34.6	34.6	94.0	94.0	6.8	6.8	9.3	9.3	12					
						8.2	0.0	197	21.2	7.9	7.9	34.6	34.6	93.8	93.8	6.8	6.8	8.7	8.7	14					
						8.2	0.0	199	21.2	7.9	7.9	34.6	34.6	93.8	93.8	6.8	6.8	8.9	8.9	14					
SR8	Fine	Moderate	10:35	5.0	Surface	1.0	-	-	20.8	20.8	7.8	7.8	31.4	31.5	97.1	97.1	7.2	7.2	5.0	5.0	9		820372	811614	
						1.0	-	-	20.7	20.7	7.8	7.8	31.5	31.5	97.0	97.0	7.2	7.2	5.0	5.0	9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7			
						4.0	-	-	20.6	20.6	7.8	7.8	31.5	31.5	97.1	97.4	7.3	7.3	6.4	6.4	6				
						4.0	-	-	20.6	20.6	7.8	7.8	31.4	31.4	97.7	97.7	7.3	7.3	6.4	6.4	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 13 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	04:25	8.2	Surface	1.0	0.6	215	19.7	19.7	7.9	7.9	32.7	32.7	95.9	95.9	7.2	7.3	11.2	10.7	13	13	815603	804223
						1.0	0.6	209	19.7		7.9		32.7		96.7		7.2		11.1		12			
					Middle	4.1	0.6	211	19.7	7.9	7.9	32.7	96.8	7.3	8.4	13								
						4.1	0.6	211	19.7	7.9	7.9	32.7	96.9	7.3	8.4	15								
					Bottom	7.2	0.6	197	19.7	7.9	7.9	32.7	97.6	7.4	12.2	13								
						7.2	0.6	194	19.7	7.9	7.9	32.7	97.8	7.4	13.0	12								
C2	Cloudy	Moderate	03:21	11.4	Surface	1.0	0.5	172	19.7	19.8	7.8	7.8	31.4	31.4	90.8	90.9	6.9	6.9	5.6	9.5	8	8	825689	806943
						1.0	0.5	172	19.8		7.8		31.4		90.9		6.9		5.7		8			
					Middle	5.7	0.6	154	19.9	7.8	7.8	31.5	91.5	6.9	11.2	7								
						5.7	0.6	148	19.9	7.8	7.8	31.5	91.5	6.9	11.1	7								
					Bottom	10.4	0.6	175	19.9	7.8	7.8	31.4	91.4	6.9	11.6	8								
						10.4	0.6	169	19.8	7.8	7.8	31.3	91.3	6.9	11.6	8								
C3	Misty	Calm	04:22	10.0	Surface	1.0	0.4	61	20.7	20.7	7.6	7.6	34.9	34.9	93.5	93.6	6.8	6.9	6.5	7.4	7	7	822116	817818
						1.0	0.3	55	20.7		7.6		34.9		93.7		6.9		6.5		6			
					Middle	5.0	0.4	53	20.7	7.6	7.5	34.9	94.1	6.9	7.6	7								
						5.0	0.3	57	20.6	7.5	7.5	34.9	94.7	6.9	8.1	7								
					Bottom	9.0	0.4	78	20.6	7.5	7.5	34.9	95.8	7.0	8.2	7								
						9.0	0.4	73	20.6	7.5	7.5	34.7	95.8	7.0	8.2	7								
IM1	Cloudy	Moderate	04:11	6.5	Surface	1.0	0.5	179	19.5	19.5	7.9	7.9	32.5	32.5	95.3	95.4	7.2	7.3	9.6	11.1	8	10	818327	806467
						1.0	0.5	175	19.5		7.9		32.5		95.4		7.2		9.5		9			
					Middle	3.3	0.4	211	19.5	7.9	7.9	32.5	96.4	7.3	12.1	10								
						3.3	0.4	209	19.5	7.9	7.9	32.5	96.7	7.3	12.4	11								
					Bottom	5.5	0.4	209	19.5	7.9	7.9	32.5	97.4	7.4	11.3	12								
						5.5	0.4	203	19.5	7.9	7.9	32.5	97.6	7.4	11.5	12								
IM2	Cloudy	Moderate	04:08	6.6	Surface	1.0	0.5	205	19.5	19.5	7.9	7.9	32.6	32.6	95.2	95.3	7.2	7.3	7.8	9.2	8	10	819165	806224
						1.0	0.5	206	19.5		7.9		32.6		95.3		7.2		7.9		9			
					Middle	3.3	0.5	204	19.5	7.9	7.9	32.6	96.1	7.3	7.4	10								
						3.3	0.5	208	19.5	7.9	7.9	32.6	96.2	7.3	7.2	10								
					Bottom	5.6	0.6	217	19.5	7.9	7.9	32.5	97.2	7.4	12.2	10								
						5.6	0.5	222	19.5	7.9	7.9	32.5	97.4	7.4	12.6	10								
IM7	Cloudy	Moderate	03:44	7.7	Surface	1.0	0.3	177	19.8	19.8	7.9	7.9	32.0	32.0	92.2	92.3	7.0	7.0	8.2	10.2	10	10	821352	806833
						1.0	0.3	180	19.8		7.9		32.0		92.3		7.0		8.3		10			
					Middle	3.9	0.3	162	19.8	7.9	7.9	32.0	93.3	7.1	10.0	11								
						3.9	0.4	168	19.8	7.9	7.9	32.0	93.5	7.1	10.1	8								
					Bottom	6.7	0.3	167	19.8	7.9	7.9	31.9	94.9	7.2	12.0	11								
						6.7	0.3	173	19.8	7.9	7.9	31.9	95.1	7.2	12.7	10								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA							
IM10	Misty	Calm	05:20	8.2	Surface	1.0	0.5	136	21.0	21.0	7.8	7.8	34.9	34.9	92.4	92.5	6.7	6.8	6.3	7.4	8	8	822219	809849					
						1.0	0.5	134	21.0		7.8	7.8	34.9	34.9	92.5	92.5	6.7		6.3										
					Middle	4.1	0.5	143	20.9	20.9	7.8	7.8	34.9	34.9	92.8	92.9	6.8	6.8	7.7	8									
						4.1	0.5	144	20.9		7.8	7.8	34.9	34.9	93.0	92.9	6.8	6.8	7.6	8									
					Bottom	7.2	0.5	127	20.9	20.9	7.8	7.8	34.9	34.9	93.6	94.0	6.8	6.9	8.3	7									
						7.2	0.5	121	20.9		7.8	7.8	34.8	34.9	94.4	94.0	6.9	6.9	8.3	8									
IM11	Misty	Calm	05:14	7.8	Surface	1.0	0.5	116	20.6	20.6	7.9	7.9	34.9	34.9	93.5	93.5	6.8	6.9	8.5	9.5	7	7	821500	810557					
						1.0	0.5	117	20.6		7.9	7.9	34.9	34.9	93.5	93.5	6.9		6.9		8.5				7				
					Middle	3.9	0.5	90	20.6	20.6	7.8	7.8	34.8	34.8	93.9	93.9	6.9	6.9	9.9	7									
						3.9	0.5	91	20.6		7.8	7.8	34.8	34.8	93.9	93.9	6.9	6.9	10.0	8									
					Bottom	6.8	0.5	107	20.5	20.5	7.8	7.8	34.7	34.7	94.1	94.2	6.9	6.9	10.0	7									
						6.8	0.4	99	20.5		7.8	7.8	34.7	34.7	94.3	94.2	6.9	6.9	10.1	8									
IM12	Misty	Calm	05:09	8.4	Surface	1.0	0.6	120	20.7	20.7	7.9	7.9	34.9	34.9	93.5	93.6	6.8	6.9	7.1	8.5	7	7	821163	811525					
						1.0	0.6	126	20.7		7.9	7.9	34.9	34.9	93.6	93.6	6.8		6.9		7.2				8				
					Middle	4.2	0.6	92	20.7	20.7	7.8	7.8	34.9	34.9	93.8	93.9	6.9	6.9	8.8	7									
						4.2	0.6	96	20.7		7.8	7.8	34.9	34.9	93.9	93.9	6.9	6.9	8.8	7									
					Bottom	7.4	0.6	108	20.7	20.7	7.8	7.8	34.9	34.9	94.2	94.5	6.9	6.9	9.4	7									
						7.4	0.6	105	20.7		7.8	7.8	34.9	34.9	94.8	94.5	6.9	6.9	9.5	7									
SR1A	Misty	Calm	04:50	4.8	Surface	1.0	0.1	86	20.6	20.6	7.8	7.8	34.7	34.6	93.1	93.5	6.8	6.9	4.2	5.1	6	7	819972	812656					
						1.0	0.0	85	20.6		7.8	7.8	34.6	34.6	93.8	93.5	6.9		6.9		4.3				7				
					Middle	2.4	0.0	64	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						2.4	0.0	67	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.8	0.1	89	20.4	20.4	7.8	7.8	34.6	34.4	95.8	95.5	7.1	7.1	5.9	6									
						3.8	0.0	95	20.4		7.8	7.8	34.3	34.4	95.1	95.5	7.0	7.1	6.0	7									
SR2	Misty	Calm	04:37	5.2	Surface	1.0	0.7	37	20.9	20.9	7.6	7.6	35.0	35.0	92.4	92.4	6.7	6.7	5.2	5.7	7	7	821448	814146					
						1.0	0.6	40	20.9		7.6	7.6	35.0	35.0	92.4	92.4	6.7		6.7		5.2				7				
					Middle	-	0.6	45	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	0.6	43	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.2	0.6	32	20.8	20.8	7.6	7.6	35.0	35.0	92.7	92.8	6.8	6.8	6.2	7									
						4.2	0.6	33	20.8		7.6	7.6	35.0	35.0	92.8	92.8	6.8	6.8	6.2	7									
SR3	Cloudy	Moderate	03:38	8.8	Surface	1.0	0.6	148	19.8	19.8	7.8	7.8	32.0	32.0	92.0	92.0	7.0	7.0	9.5	9.4	8	8	822167	807591					
						1.0	0.6	154	19.8		7.8	7.8	32.0	32.0	92.0	92.0	7.0		7.0		9.5				8				
					Middle	4.4	0.6	153	19.8	19.8	7.8	7.8	32.0	32.0	92.3	92.4	7.0	7.0	7.9	8									
						4.4	0.6	150	19.8		7.8	7.8	32.0	32.0	92.4	92.4	7.0	7.0	8.0	8									
					Bottom	7.8	0.5	139	19.8	19.8	7.8	7.8	32.0	32.0	93.4	93.6	7.1	7.1	10.8	8									
						7.8	0.6	145	19.8		7.8	7.8	32.0	32.0	93.7	93.6	7.1	7.1	10.5	9									
SR4A	Cloudy	Moderate	04:42	9.3	Surface	1.0	0.0	75	19.1	19.1	7.9	7.9	32.3	32.3	93.3	93.3	7.1	7.2	6.4	8.4	13	11	817195	807825					
						1.0	0.0	71	19.1		7.9	7.9	32.3	32.3	93.3	93.3	7.1		7.2		6.4				14				
					Middle	4.7	0.0	49	19.0	19.0	7.9	7.9	32.3	32.3	93.6	93.7	7.2	7.2	9.1	13									
						4.7	0.0	49	19.0		7.9	7.9	32.3	32.3	93.7	93.7	7.2	7.2	9.2	13									
					Bottom	8.3	0.0	80	19.0	19.0	7.9	7.9	32.3	32.3	94.0	94.2	7.2	7.2	9.6	7									
						8.3	0.1	73	19.0		7.9	7.9	32.3	32.3	94.3	94.2	7.2	7.2	9.6	7									
SR8	Misty	Calm	05:04	5.2	Surface	1.0	-	-	20.5	20.5	7.9	7.9	34.9	34.9	94.3	94.3	6.9	6.9	6.4	7.1	7	7	820368	811612					
						1.0	-	-	20.4		7.9	7.9	34.9	34.9	94.3	94.3	6.9		6.9		6.4				6				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	4.2	-	-	20.4	20.5	7.8	7.8	34.8	34.8	94.5	94.7	6.9	7.0	7.9	7									
						4.2	-	-	20.5		7.8	7.8	34.8	34.8	94.9	94.7	7.0	7.0	7.8	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 13 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	14:38	8.5	Surface	1.0	0.2	39	19.7	19.7	7.9	7.9	32.7	32.7	95.9	95.9	7.2	7.3	11.8	12.3	17	16	815607	804248
						1.0	0.2	32	19.7		7.9		32.7		95.9		7.2		11.9		15			
					Middle	4.3	0.2	33	19.7	7.9	7.9	32.7	32.7	96.4	96.4	7.3	7.3	11.7	16					
						4.3	0.1	28	19.7	7.9	7.9	32.7	32.7	96.4	96.4	7.3	7.3	11.8	16					
					Bottom	7.5	0.1	47	19.6	19.6	7.9	7.9	32.7	32.7	96.9	96.9	7.3	7.3	13.4		14			
						7.5	0.2	45	19.6		7.9		7.9		32.7		32.7		96.9		96.9			
C2	Rainy	Moderate	16:01	12.0	Surface	1.0	0.2	182	19.6	19.6	7.9	7.9	32.2	32.2	93.4	93.4	7.1	7.1	6.5	8.8	7	8	825688	806956
						1.0	0.2	185	19.6		7.9		7.9		32.2		32.2		93.4		93.4			
					Middle	6.0	0.2	191	19.4	19.4	7.9	7.9	32.4	32.4	93.9	93.9	7.1	7.1	9.1		9			
						6.0	0.2	185	19.4		7.9		7.9		32.4		32.4		93.9		93.9			
					Bottom	11.0	0.1	168	19.4	19.4	7.9	7.9	32.5	32.5	94.2	94.2	7.2	7.2	10.9		9			
						11.0	0.1	172	19.4		7.9		7.9		32.5		32.5		94.2		94.2			
C3	Misty	Calm	15:23	9.8	Surface	1.0	0.1	92	21.6	21.6	7.8	7.8	35.0	35.0	91.9	92.0	6.6	6.7	8.0	8.8	7	8	822118	817811
						1.0	0.0	96	21.6		7.8		7.8		35.0		35.0		92.1		92.0			
					Middle	4.9	0.1	103	21.6	21.6	7.8	7.8	35.0	35.0	92.5	92.7	6.7	6.7	8.9		8			
						4.9	0.0	100	21.6		7.8		7.8		35.1		35.0		92.9		92.7			
					Bottom	8.8	0.1	88	21.5	21.6	7.8	7.8	35.0	35.0	93.6	94.3	6.7	6.8	9.4		8			
						8.8	0.1	90	21.6		7.8		7.8		35.0		35.0		94.9		94.3			
IM1	Cloudy	Moderate	14:59	6.5	Surface	1.0	0.1	25	19.6	19.6	7.9	7.9	32.8	32.8	95.5	95.5	7.2	7.2	9.3	9.9	13	13	818345	806471
						1.0	0.1	31	19.6		7.9		7.9		32.8		32.8		95.5		95.5			
					Middle	3.3	0.1	36	19.6	19.6	7.9	7.9	32.8	32.8	95.8	95.8	7.2	7.2	10.0		12			
						3.3	0.1	33	19.6		7.9		7.9		32.8		32.8		95.8		95.8			
					Bottom	5.5	0.0	19	19.6	19.6	7.9	7.9	32.8	32.8	96.2	96.3	7.3	7.3	10.5		15			
						5.5	0.0	25	19.6		7.9		7.9		32.8		32.8		96.3		96.3			
IM2	Cloudy	Moderate	15:06	7.1	Surface	1.0	0.2	22	19.3	19.3	7.9	7.9	32.5	32.5	94.9	94.9	7.2	7.2	6.2	7.5	7	8	819183	806231
						1.0	0.2	27	19.3		7.9		7.9		32.5		32.5		94.9		94.9			
					Middle	3.6	0.1	41	19.4	19.4	7.9	7.9	32.7	32.7	95.1	95.1	7.2	7.2	7.7		8			
						3.6	0.1	39	19.4		7.9		7.9		32.7		32.7		95.1		95.1			
					Bottom	6.1	0.2	24	19.5	19.5	7.9	7.9	32.7	32.7	95.6	95.7	7.2	7.2	8.4		8			
						6.1	0.2	19	19.5		7.9		7.9		32.7		32.7		95.7		95.7			
IM7	Cloudy	Moderate	15:30	8.4	Surface	1.0	0.1	56	19.8	19.8	7.9	7.9	32.2	32.2	92.9	93.0	7.0	7.1	3.7	5.2	5	6	821342	806850
						1.0	0.1	51	19.8		7.9		7.9		32.2		32.2		93.0		93.0			
					Middle	4.2	0.2	66	19.5	19.5	7.9	7.9	32.4	32.4	95.2	95.3	7.2	7.2	5.8		7			
						4.2	0.2	59	19.5		7.9		7.9		32.4		32.4		95.3		95.3			
					Bottom	7.4	0.2	39	19.4	19.4	7.9	7.9	32.5	32.5	98.4	98.5	7.5	7.5	6.0		7			
						7.4	0.2	43	19.4		7.9		7.9		32.5		32.5		98.6		98.5			

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

Water Quality Monitoring Results on 13 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
IM10	Misty	Calm	14:19	7.6	Surface	1.0	0.1	312	21.0	7.8	7.7	35.0	35.0	92.5	92.6	6.7	6.8	6.7	7.4	8	8	822225	809828		
						1.0	0.0	313	20.9	7.7	7.7	35.0	35.0	92.6	92.6	6.7	6.8	6.7	7.4	7	8				
					Middle	3.8	0.1	318	20.9	7.7	7.7	34.9	34.9	92.9	93.0	6.8	6.8	7.1	7.4	8	8				
						3.8	0.1	314	20.9	7.7	7.7	35.0	34.9	93.1	93.0	6.8	6.8	7.2	7.4	8	8				
					Bottom	6.6	0.1	344	20.8	7.7	7.7	34.9	34.9	93.7	94.0	6.8	6.9	8.3	7.4	9	8				
						6.6	0.1	337	20.9	7.7	7.7	34.9	34.9	94.2	94.0	6.9	7.0	8.3	7.4	8	8				
IM11	Misty	Calm	14:26	7.8	Surface	1.0	0.0	295	20.8	7.8	7.8	34.9	34.9	93.5	93.6	6.8	6.9	5.9	6.7	7	8	821513	810556		
						1.0	0.0	295	20.8	7.8	7.8	34.9	34.9	93.7	93.6	6.8	6.9	5.8	6.7	8	8				
					Middle	3.9	0.1	295	20.8	7.8	7.8	34.9	34.9	94.0	94.2	6.9	7.0	7.0	6.7	7	8				
						3.9	0.1	301	20.8	7.8	7.8	34.9	34.9	94.3	94.2	6.9	7.0	6.9	6.7	9	8				
					Bottom	6.8	0.0	310	20.7	7.8	7.8	34.9	34.9	94.8	95.3	6.9	7.0	7.4	6.7	8	8				
						6.8	0.0	310	20.8	7.8	7.8	34.8	34.9	95.8	95.3	7.0	7.0	7.3	6.7	9	8				
IM12	Misty	Calm	14:32	7.4	Surface	1.0	0.0	304	20.8	7.8	7.8	34.9	34.9	93.4	93.5	6.8	6.9	2.1	3.4	7	7	821168	811542		
						1.0	0.0	299	20.8	7.8	7.8	34.9	34.9	93.5	93.5	6.8	6.9	2.2	3.4	8	7				
					Middle	3.7	0.1	314	20.8	7.8	7.8	34.9	34.9	94.0	94.1	6.9	7.0	3.2	3.4	6	7				
						3.7	0.1	309	20.8	7.8	7.8	34.9	34.9	94.2	94.1	6.9	7.0	3.3	3.4	7	7				
					Bottom	6.4	0.1	301	20.7	7.8	7.8	34.9	34.9	94.8	95.3	6.9	7.0	4.9	7.0	7	7				
						6.4	0.1	305	20.8	7.8	7.8	34.8	34.9	95.8	95.3	7.0	7.0	4.9	7.0	7	7				
SR1A	Misty	Calm	14:51	5.4	Surface	1.0	0.0	290	20.1	7.9	7.9	34.7	34.7	92.4	92.5	6.8	6.9	8.2	8.6	9	8	819982	812655		
						1.0	0.0	293	20.1	7.9	7.9	34.7	34.7	92.6	92.5	6.9	6.9	8.1	8.6	7	8				
					Middle	2.7	0.0	311	-	-	-	-	-	-	-	-	-	-	-	-	-			8.6	8
						2.7	0.0	316	-	-	-	-	-	-	-	-	-	-	-	-	-			8.6	8
					Bottom	4.4	0.0	277	20.1	7.9	7.9	34.7	34.6	93.5	93.7	6.9	7.0	9.1	7.0	7	7				
						4.4	0.0	283	20.1	7.9	7.9	34.6	34.6	93.9	93.7	7.0	7.0	9.1	7.0	8	7				
SR2	Misty	Calm	15:03	5.8	Surface	1.0	0.1	54	21.3	7.8	7.8	35.0	35.0	91.7	93.5	6.6	6.9	6.6	6.8	7	8	821452	814143		
						1.0	0.0	55	21.3	7.8	7.8	35.0	35.0	95.2	93.5	6.9	6.9	6.5	6.8	8	8				
					Middle	-	0.0	51	-	-	-	-	-	-	-	-	-	-	-	-	-			6.8	8
						-	0.1	45	-	-	-	-	-	-	-	-	-	-	-	-	-			6.8	8
					Bottom	4.8	0.1	75	21.1	7.8	7.8	35.0	35.0	95.9	95.8	6.9	6.9	7.0	6.9	7.0	7.0			6.8	8
						4.8	0.1	73	21.2	7.8	7.8	35.0	35.0	95.6	95.8	6.9	6.9	7.0	6.9	7.0	7.0			6.8	8
SR3	Rainy	Moderate	15:40	9.0	Surface	1.0	0.1	98	19.4	7.9	7.9	32.3	32.3	94.8	94.8	7.2	7.2	5.7	6.5	7	7	822136	807576		
						1.0	0.1	99	19.4	7.9	7.9	32.4	32.3	94.8	94.8	7.2	7.2	5.7	6.5	6	7				
					Middle	4.5	0.1	86	19.4	7.9	7.9	32.5	32.5	95.3	95.3	7.2	7.2	6.6	6.5	7	7				
						4.5	0.1	82	19.4	7.9	7.9	32.5	32.5	95.3	95.3	7.2	7.2	6.6	6.5	8	7				
					Bottom	8.0	0.1	104	19.4	7.9	7.9	32.6	32.6	95.9	96.0	7.3	7.3	7.2	7.3	7	7				
						8.0	0.0	99	19.4	7.9	7.9	32.6	32.6	96.0	96.0	7.3	7.3	7.3	7.3	8	7				
SR4A	Cloudy	Moderate	14:17	8.8	Surface	1.0	0.0	124	19.0	7.9	7.9	32.5	32.5	95.8	95.8	7.3	7.3	8.0	9.0	9	11	817187	807803		
						1.0	0.0	118	19.0	7.9	7.9	32.5	32.5	95.8	95.8	7.3	7.3	8.0	9.0	9	11				
					Middle	4.4	0.0	153	19.0	7.9	7.9	32.5	32.5	96.1	96.1	7.3	7.3	10.0	9.0	10	11				
						4.4	0.0	148	19.0	7.9	7.9	32.5	32.5	96.1	96.1	7.3	7.3	9.9	9.0	12	11				
					Bottom	7.8	0.0	125	19.0	7.9	7.9	32.5	32.5	96.6	96.7	7.4	7.4	9.2	7.4	14	11				
						7.8	0.0	129	19.0	7.9	7.9	32.5	32.5	96.7	96.7	7.4	7.4	9.2	7.4	14	11				
SR8	Misty	Calm	14:36	4.6	Surface	1.0	-	-	20.6	7.8	7.8	34.8	34.8	94.9	95.0	7.0	7.0	7.3	7.7	7	8	820380	811633		
						1.0	-	-	20.6	7.8	7.8	34.8	34.8	95.1	95.0	7.0	7.0	7.4	7.7	8	8				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			7.7	8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			7.7	8
					Bottom	3.6	-	-	20.5	7.8	7.8	34.8	34.8	95.7	96.0	7.0	7.1	8.0	7.1	8.0	7.1			8	8
						3.6	-	-	20.6	7.8	7.8	34.7	34.8	96.3	96.0	7.1	7.1	8.1	7.1	8.1	7.1			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 15 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Rainy	Rough	05:29	8.4	Surface	1.0	0.5	200	<u>18.5</u>	18.5	7.8	7.8	<u>32.3</u>	32.3	<u>93.9</u>	93.9	7.3	7.3	13.6	14.5	6	5	815616	804231		
						1.0	0.4	199	18.5		7.8	7.8	32.3	32.3	93.9	93.9	7.3		13.3		5					
					Middle	4.2	0.5	221	18.4	18.4	7.8	7.8	<u>32.1</u>	32.1	<u>92.9</u>	92.9	7.2	7.2	14.6	7.2	4				7.2	4
						4.2	0.6	223	18.4		7.8	7.8	32.1	32.1	92.8	92.9	7.2		14.8		5					
					Bottom	7.4	0.4	204	<u>18.4</u>	18.4	7.7	7.7	<u>31.8</u>	31.7	<u>91.3</u>	91.2	7.1	7.1	15.1	7.1	4				7.1	4
						7.4	0.4	210	18.4		7.7	7.7	31.7	31.7	91.1	91.2	7.1		15.9		5					
C2	Rainy	Rough	06:41	11.0	Surface	1.0	0.6	166	<u>19.2</u>	19.2	7.9	7.9	<u>32.0</u>	32.1	<u>92.6</u>	92.7	7.1	7.1	5.6	8.7	5	5	825686	806954		
						1.0	0.6	165	19.2		7.9	7.9	32.1	32.1	92.7	92.7	7.1		6.1		5					
					Middle	5.5	0.6	168	19.3	19.3	7.9	7.9	<u>32.2</u>	32.2	<u>93.6</u>	93.7	7.1	7.1	8.9	7.1	4				7.1	4
						5.5	0.7	167	19.3		7.9	7.9	32.2	32.2	93.7	93.7	7.1		9.3		5					
					Bottom	10.0	0.6	147	19.3	19.3	7.9	7.9	<u>32.2</u>	32.2	<u>94.3</u>	94.4	7.2	7.2	11.2	7.2	5				7.2	5
						10.0	0.6	145	19.3		7.9	7.9	32.2	32.2	94.5	94.4	7.2		11.3		5					
C3	Rainy	Calm	05:19	9.8	Surface	1.0	0.4	82	<u>19.3</u>	19.3	7.9	7.9	<u>35.0</u>	35.0	<u>97.1</u>	97.4	7.3	7.4	2.7	3.8	5	5	822087	817813		
						1.0	0.4	77	19.2		7.9	7.9	35.0	35.0	97.6	97.4	7.3		2.6		4					
					Middle	4.9	0.3	83	19.2	19.2	7.9	7.9	<u>35.0</u>	35.0	<u>98.5</u>	98.7	7.4	7.4	3.8	7.4	5				7.4	4
						4.9	0.3	81	19.2		7.9	7.9	35.0	35.0	98.8	98.7	7.4		3.8		4					
					Bottom	8.8	0.3	85	<u>19.2</u>	19.2	7.9	7.9	<u>35.0</u>	35.0	<u>99.6</u>	99.9	7.5	7.5	4.9	7.5	5				7.5	5
						8.8	0.3	90	19.2		7.9	7.9	35.0	35.0	100.2	99.9	7.5		4.8		5					
IM1	Rainy	Moderate	05:52	6.5	Surface	1.0	0.4	180	<u>18.4</u>	18.4	7.9	7.9	<u>32.5</u>	32.5	<u>94.6</u>	94.6	7.3	7.3	8.5	8.8	5	5	818344	806472		
						1.0	0.3	177	18.4		7.9	7.9	32.5	32.5	94.6	94.6	7.3		8.5		5					
					Middle	3.3	0.4	188	18.4	18.4	7.9	7.9	<u>32.5</u>	32.5	<u>94.7</u>	94.7	7.3	7.3	8.6	7.3	5				7.3	5
						3.3	0.4	191	18.4		7.9	7.9	32.5	32.5	94.7	94.7	7.3		8.4		5					
					Bottom	5.5	0.4	203	18.4	18.4	7.9	7.9	<u>32.4</u>	32.4	<u>94.9</u>	95.0	7.4	7.4	9.3	7.4	4				7.4	4
						5.5	0.4	201	18.4		7.9	7.9	32.4	32.4	95.0	95.0	7.4		9.5		4					
IM2	Rainy	Moderate	05:56	7.0	Surface	1.0	0.5	200	<u>18.2</u>	18.2	7.9	7.9	<u>32.5</u>	32.5	<u>95.0</u>	95.1	7.4	7.4	9.1	8.8	4	5	819171	806258		
						1.0	0.5	202	18.2		7.9	7.9	32.5	32.5	95.1	95.1	7.4		9.7		6					
					Middle	3.5	0.5	185	18.2	18.2	7.9	7.9	<u>32.5</u>	32.5	<u>95.4</u>	95.5	7.4	7.4	9.5	7.4	5				7.4	5
						3.5	0.5	179	18.2		7.9	7.9	32.5	32.5	95.5	95.5	7.4		9.5		6					
					Bottom	6.0	0.5	203	18.2	18.2	7.7	7.7	<u>32.5</u>	32.5	<u>95.8</u>	95.9	7.4	7.5	7.5	7.5	5				7.5	5
						6.0	0.4	206	18.2		7.7	7.7	32.5	32.5	95.9	95.9	7.5		7.5		5					
IM7	Rainy	Moderate	06:19	8.5	Surface	1.0	0.4	198	<u>19.3</u>	19.3	7.9	7.9	<u>32.3</u>	32.3	<u>93.7</u>	93.8	7.1	7.2	4.6	5.9	6	5	821360	806836		
						1.0	0.3	191	19.3		7.9	7.9	<u>32.4</u>	32.3	<u>93.8</u>	93.8	7.1		4.8		5					
					Middle	4.3	0.3	205	<u>19.2</u>	19.2	7.9	7.9	<u>32.5</u>	32.5	<u>94.6</u>	94.7	7.2	7.2	5.9	7.2	7				7.2	7
						4.3	0.3	199	19.2		7.9	7.9	32.5	32.5	94.7	94.7	7.2		6.2		5					
					Bottom	7.5	0.3	207	<u>19.2</u>	19.2	7.9	7.9	<u>32.5</u>	32.5	<u>95.2</u>	95.3	7.3	7.3	6.9	7.3	5				7.3	5
						7.5	0.3	207	19.2		7.9	7.9	32.5	32.5	95.4	95.3	7.3		6.9		4					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 15 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Calm	06:35	8.0	Surface	1.0	0.5	121	19.8	19.8	7.9	7.9	34.9	34.9	97.9	98.2	7.3	7.4	4.3	5.3	6	5	822261	809820
						1.0	0.5	116	19.8		7.9	7.9	34.9	34.9	98.5	98.2	7.3		4.3		5			
					Middle	4.0	0.4	123	19.7	7.9	7.9	34.9	34.9	99.5	99.7	7.4	7.4	5.4	5					
						4.0	0.5	115	19.7	7.9	7.9	34.9	34.9	99.8	99.7	7.4	7.4	5.5	4					
					Bottom	7.0	0.4	124	19.7	7.9	7.9	34.9	34.9	100.7	101.0	7.5	7.5	6.1	5					
						7.0	0.4	127	19.8	7.9	7.9	34.9	34.9	101.3	101.0	7.5	7.5	6.2	6					
IM11	Rainy	Calm	06:28	7.2	Surface	1.0	0.4	108	19.8	19.8	7.9	7.9	35.0	35.0	96.5	96.6	7.2	7.3	3.4	4.4	5	5	821505	810543
						1.0	0.4	105	19.8		7.9	7.9	35.0	35.0	96.7	96.6	7.2		3.4		5			
					Middle	3.6	0.4	95	19.8	7.9	7.9	35.0	35.0	98.0	98.3	7.3	7.3	4.4	5					
						3.6	0.4	94	19.7	7.9	7.9	35.0	35.0	98.5	98.3	7.3	7.3	4.4	5					
					Bottom	6.2	0.4	97	19.8	7.9	7.9	35.0	35.0	99.2	99.4	7.4	7.4	5.4	4					
						6.2	0.4	95	19.8	8.0	7.9	35.0	35.0	99.6	99.4	7.4	7.4	5.5	5					
IM12	Rainy	Calm	06:24	8.4	Surface	1.0	0.5	103	19.7	19.7	7.9	7.9	35.0	35.0	97.4	97.5	7.3	7.3	3.1	4.2	4	4	821138	811520
						1.0	0.5	98	19.7		7.9	7.9	35.0	35.0	97.5	97.5	7.3		3.1		4			
					Middle	4.2	0.5	123	19.7	7.9	7.9	35.0	35.0	97.9	98.0	7.3	7.3	4.2	4					
						4.2	0.5	124	19.6	7.9	7.9	35.0	35.0	98.1	98.0	7.3	7.3	4.5	4					
					Bottom	7.4	0.5	106	19.6	7.9	7.9	35.0	35.0	98.6	100.6	7.3	7.5	5.0	5					
						7.4	0.5	106	19.7	7.9	7.9	35.0	35.0	102.5	100.6	7.6	7.5	5.1	5					
SR1A	Rainy	Calm	05:52	4.6	Surface	1.0	0.0	78	19.6	19.6	7.9	7.9	34.9	34.9	98.4	98.7	7.3	7.4	3.1	3.6	6	5	819976	812661
						1.0	0.1	71	19.6		7.9	7.9	34.9	34.9	98.9	98.7	7.4		3.2		5			
					Middle	2.3	-	83	-	-	-	-	-	-	-	-	-	-	-					
						2.3	0.0	76	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.6	0.0	66	19.6	7.9	7.9	34.9	34.8	100.7	101.4	7.5	7.6	4.1	5					
						3.6	0.0	68	19.6	7.9	7.9	34.8	34.8	102.0	101.4	7.6	7.6	4.2	4					
SR2	Rainy	Calm	05:39	5.2	Surface	1.0	0.5	38	19.4	19.4	7.8	7.8	35.0	35.0	94.7	94.9	7.1	7.1	4.0	4.1	7	6	821456	814155
						1.0	0.5	32	19.4		7.9	7.8	35.0	35.0	95.0	95.0	7.1		7.1		4.0			
					Middle	-	0.5	51	-	-	-	-	-	-	-	-	-	-	-					
						-	0.5	57	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.2	0.5	18	19.4	7.9	7.9	35.0	35.0	95.6	95.7	7.2	7.2	4.3	5					
						4.2	0.5	18	19.4	7.9	7.9	35.0	35.0	95.8	95.7	7.2	7.2	4.3	5					
SR3	Rainy	Moderate	06:25	8.9	Surface	1.0	0.5	174	19.2	19.2	7.9	7.9	32.2	32.2	92.2	92.2	7.0	7.1	3.6	4.8	4	5	822169	807572
						1.0	0.6	179	19.2		7.9	7.9	32.2	32.2	92.2	92.2	7.0		7.0		3.6			
					Middle	4.5	0.6	152	19.2	7.9	7.9	32.3	32.3	92.9	93.0	7.1	7.1	4.3	5					
						4.5	0.6	153	19.2	7.9	7.9	32.3	32.3	93.0	93.0	7.1	7.1	4.5	6					
					Bottom	7.9	0.5	186	19.3	7.9	7.9	32.3	32.3	94.2	94.3	7.2	7.2	6.3	6					
						7.9	0.5	188	19.3	7.9	7.9	32.3	32.3	94.3	94.3	7.2	7.2	6.6	6					
SR4A	Rainy	Rough	05:00	8.4	Surface	1.0	0.0	63	18.0	18.0	7.8	7.8	32.2	32.2	92.1	92.1	7.2	7.2	6.4	6.9	5	5	817196	807803
						1.0	0.1	64	18.0		7.8	7.8	32.2	32.2	92.1	92.1	7.2		7.2		6.4			
					Middle	4.2	0.0	74	18.0	7.8	7.8	32.2	32.2	92.2	92.2	7.2	7.2	7.1	4					
						4.2	0.0	71	18.0	7.8	7.8	32.2	32.2	92.2	92.2	7.2	7.2	7.0	5					
					Bottom	7.4	0.1	57	18.0	7.8	7.8	32.2	32.2	92.5	92.6	7.2	7.2	7.2	4					
						7.4	0.1	64	18.0	7.8	7.8	32.2	32.2	92.6	92.6	7.2	7.2	7.2	4					
SR8	Rainy	Calm	06:17	4.8	Surface	1.0	-	-	19.4	19.4	7.9	7.9	34.9	34.9	101.2	101.4	7.6	7.6	2.6	3.0	5	5	820398	811605
						1.0	-	-	19.4		7.9	7.9	35.0	35.0	101.6	101.4	7.6		7.6		2.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.8	-	-	19.4	7.9	7.9	34.9	34.9	102.9	103.5	7.7	7.8	3.4	5					
						3.8	-	-	19.4	7.9	7.9	34.9	34.9	104.1	103.5	7.8	7.8	3.4	4					

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 15 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Rainy	Moderate	17:19	8.8	Surface	1.0	0.0	194	18.6	18.6	7.9	7.9	32.6	32.6	95.2	95.2	7.3	7.3	9.5	9.5	5	5	815627	804234		
						1.0	0.0	197	18.6	7.9	7.9	32.6	32.6	95.2	95.2	7.3	7.3	9.5	9.5	5	5					
					Middle	4.4	-	192	18.6	18.6	7.9	7.9	32.6	32.6	95.6	95.7	7.4	7.4	7.4	7.4	13.2	13.2			6	4
						4.4	0.0	196	18.6	18.6	7.9	7.9	32.6	32.6	95.7	95.7	7.4	7.4	7.4	7.4	13.2	13.2			4	5
					Bottom	7.8	0.0	211	18.6	18.6	7.9	7.9	32.5	32.5	98.2	98.3	7.6	7.6	7.6	7.6	13.3	13.3			5	5
						7.8	0.0	211	18.6	18.6	7.9	7.9	32.5	32.5	98.4	98.3	7.6	7.6	7.6	7.6	13.0	13.0			5	5
C2	Rainy	Rough	15:37	11.2	Surface	1.0	0.0	340	19.2	19.2	7.9	7.9	32.1	32.1	91.4	91.4	7.0	7.0	6.1	6.1	5	5	825688	806930		
						1.0	0.0	345	19.2	19.2	7.9	7.9	32.1	32.1	91.4	91.4	7.0	7.0	6.2	6.2	5	5				
					Middle	5.6	0.1	8	19.3	19.3	7.9	7.9	32.2	32.2	91.5	91.6	7.0	7.0	7.0	7.0	7.3	7.3			5	5
						5.6	0.1	1	19.3	19.3	7.9	7.9	32.2	32.2	91.6	91.6	7.0	7.0	7.0	7.0	7.4	7.4			5	5
					Bottom	10.2	0.1	353	19.3	19.3	7.9	7.9	32.2	32.2	92.2	92.3	7.0	7.0	7.0	7.0	11.2	11.2			5	5
						10.2	0.1	350	19.3	19.3	7.9	7.9	32.2	32.2	92.3	92.3	7.0	7.0	7.0	7.0	12.5	12.5			4	4
C3	Rainy	Calm	16:52	10.0	Surface	1.0	0.1	79	20.6	20.6	7.9	7.9	35.0	35.0	95.1	95.2	7.0	7.0	2.8	2.8	4	4	822097	817783		
						1.0	0.2	84	20.6	20.6	7.9	7.9	35.0	35.0	95.3	95.3	7.0	7.0	2.7	2.7	5	5				
					Middle	5.0	0.1	107	20.6	20.6	7.9	7.9	34.9	34.9	96.0	96.2	7.0	7.0	3.9	3.9	4	4				
						5.0	0.1	104	20.6	20.6	7.9	7.9	34.9	34.9	96.3	96.3	7.1	7.1	3.9	3.9	5	5				
					Bottom	9.0	0.1	114	20.6	20.6	7.9	7.9	34.9	34.9	97.2	97.7	7.1	7.1	4.9	4.9	4	4				
						9.0	0.1	110	20.6	20.6	7.9	7.9	34.9	34.9	98.1	97.7	7.2	7.2	4.9	4.9	4	4				
IM1	Rainy	Moderate	16:52	6.2	Surface	1.0	0.1	46	18.4	18.4	7.9	7.9	32.6	32.6	95.7	95.7	7.4	7.4	6.3	6.3	5	5	818339	806441		
						1.0	0.0	51	18.4	18.4	7.9	7.9	32.6	32.6	95.7	95.7	7.4	7.4	6.4	6.4	5	5				
					Middle	3.1	0.0	59	18.4	18.4	7.9	7.9	32.6	32.6	95.1	95.1	7.4	7.4	9.1	9.1	5	5				
						3.1	0.0	58	18.4	18.4	7.9	7.9	32.6	32.6	95.0	95.0	7.4	7.4	9.3	9.3	5	5				
					Bottom	5.2	0.0	67	18.4	18.4	7.9	7.9	32.5	32.5	94.4	94.3	7.3	7.3	12.3	12.3	5	5				
						5.2	0.0	69	18.3	18.4	7.9	7.9	32.5	32.5	94.1	94.3	7.3	7.3	11.2	11.2	5	5				
IM2	Rainy	Moderate	16:48	7.6	Surface	1.0	0.1	43	18.3	18.3	7.9	7.9	32.6	32.6	96.1	96.1	7.4	7.4	8.9	8.9	5	5	819180	806219		
						1.0	0.1	45	18.3	18.3	7.9	7.9	32.6	32.6	96.1	96.1	7.4	7.4	8.9	8.9	5	5				
					Middle	3.8	0.1	26	18.3	18.3	7.9	7.9	32.6	32.6	96.3	96.3	7.5	7.5	12.4	12.4	6	6				
						3.8	0.0	18	18.3	18.3	7.9	7.9	32.6	32.6	96.3	96.3	7.5	7.5	12.1	12.1	5	5				
					Bottom	6.6	0.1	46	18.3	18.3	7.9	7.9	32.5	32.5	97.0	97.1	7.5	7.5	12.2	12.2	5	5				
						6.6	0.2	52	18.3	18.3	7.9	7.9	32.5	32.5	97.2	97.1	7.5	7.5	12.8	12.8	5	5				
IM7	Rainy	Moderate	16:23	8.2	Surface	1.0	0.2	40	19.1	19.2	7.9	7.9	32.1	32.1	92.3	92.3	7.1	7.1	3.2	3.2	5	5	821344	806820		
						1.0	0.2	44	19.2	19.2	7.9	7.9	32.1	32.1	92.3	92.3	7.1	7.1	3.3	3.3	4	4				
					Middle	4.1	0.1	49	19.3	19.3	7.9	7.9	32.3	32.3	93.0	93.0	7.1	7.1	4.2	4.2	6	6				
						4.1	0.1	48	19.3	19.3	7.9	7.9	32.4	32.3	93.0	93.0	7.1	7.1	4.3	4.3	6	6				
					Bottom	7.2	0.1	44	19.3	19.3	7.9	7.9	32.5	32.5	93.5	93.6	7.1	7.1	4.7	4.7	5	5				
						7.2	0.1	37	19.3	19.3	7.9	7.9	32.5	32.5	93.6	93.6	7.1	7.1	4.8	4.8	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 15 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA				
IM10	Rainy	Calm	15:40	8.0	Surface	1.0	0.1	310	19.6	19.6	8.0	8.0	35.0	35.0	96.0	96.2	7.2	7.3	5.2	6.2	5	6	822244	809853						
						1.0	0.1	314	19.6		8.0		35.0		96.3		7.2		5.2		5									
					Middle	4.0	0.1	341	19.6	19.6	8.0	8.0	35.0	35.0	96.8	98.4	7.2	7.5	7.6	7.6	7.3	6.2			6	6	6	6		
						4.0	0.2	336	19.6		8.0		35.0		99.9		7.5												6.2	6
					Bottom	7.0	0.1	321	19.6	19.6	8.0	8.0	35.0	35.0	101.0	101.3	7.5	7.6	7.6	7.6	7.6	7.3			6.2	6	6	6	6	
						7.0	0.1	321	19.6		8.0		35.0		101.5		7.6													7.3
IM11	Rainy	Calm	15:51	7.6	Surface	1.0	0.1	308	19.8	19.8	8.0	8.0	35.0	35.0	96.8	97.1	7.2	7.3	1.4	2.6	5	5	821482	810544						
						1.0	0.1	312	19.8		8.0		35.0		97.4		7.2		1.5		4									
					Middle	3.8	0.1	324	19.8	19.8	8.0	8.0	35.0	35.0	98.2	98.3	7.3	7.3	7.4	7.4	7.4	3.0			6	6	6	6		
						3.8	0.1	323	19.8		8.0		35.0		98.4		7.3												3.0	6
					Bottom	6.6	0.0	292	19.8	19.8	8.0	8.0	35.0	35.0	99.4	99.7	7.4	7.4	7.4	7.4	7.4	3.3			6	6	6	6	6	
						6.6	0.0	293	19.8		8.0		35.0		100.0		7.4													3.2
IM12	Rainy	Calm	15:57	7.4	Surface	1.0	0.1	301	19.7	19.7	8.0	8.0	34.9	34.9	95.2	95.3	7.1	7.1	6.4	7.4	9	7	821169	811527						
						1.0	0.1	296	19.7		8.0		34.9		95.3		7.1		6.4		9									
					Middle	3.7	0.0	297	19.6	19.6	8.0	8.0	34.9	34.9	95.6	95.7	7.1	7.1	7.3	7.3	7.3	7.6			6	6	6	6		
						3.7	0.0	294	19.6		8.0		35.0		95.8		7.1												7.6	6
					Bottom	6.4	0.1	326	19.6	19.7	8.0	8.0	34.9	34.9	96.2	97.7	7.2	7.4	7.3	7.3	7.3	8.2			5	5	5	5	5	
						6.4	0.1	329	19.7		8.0		34.9		99.1		7.4													8.2
SR1A	Rainy	Calm	16:20	4.2	Surface	1.0	-	318	19.2	19.2	7.9	7.9	34.8	34.8	92.3	92.3	6.9	6.9	6.4	6.7	4	5	819977	812664						
						1.0	0.0	313	19.2		7.9		34.8		92.3		6.9		6.5		5									
					Middle	2.1	0.0	309	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
						2.1	0.1	313	-		-		-		-		-													-
					Bottom	3.2	0.0	326	19.2	19.2	7.9	7.9	34.8	34.8	92.4	92.5	7.0	7.0	7.0	7.0	7.0	7.0			7.1	7.0	5	5	5	5
						3.2	0.0	322	19.2		7.9		34.8		92.6		7.0													
SR2	Rainy	Calm	16:34	4.8	Surface	1.0	0.0	60	20.2	20.2	8.0	8.0	34.9	34.9	99.2	99.5	7.3	7.4	5.4	6.1	4	6	821459	814182						
						1.0	0.0	55	20.2		8.0		35.0		99.7		7.4		5.3		5									
					Middle	-	0.0	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
						-	0.1	56	-		-		-		-		-													-
					Bottom	3.8	0.0	47	20.2	20.2	8.0	8.0	34.9	34.9	100.8	101.2	7.4	7.5	7.5	7.5	7.5	7.5			6.8	7.5	7	7	7	7
						3.8	0.0	44	20.2		8.0		34.9		101.5		7.5													
SR3	Rainy	Rough	16:17	9.2	Surface	1.0	0.1	352	19.3	19.3	7.9	7.9	32.3	32.3	92.9	93.0	7.1	7.2	4.4	7.5	5	5	822157	807594						
						1.0	0.1	357	19.3		7.9		32.3		93.0		7.1		4.6		5									
					Middle	4.6	0.1	5	19.3	19.3	7.9	7.9	32.4	32.4	94.2	94.2	7.2	7.2	7.2	7.2	7.2	8.5			5	5	5	5		
						4.6	0.1	357	19.2		7.9		32.4		94.2		7.2												8.5	5
					Bottom	8.2	0.1	342	19.2	19.2	7.9	7.9	32.5	32.5	94.9	95.0	7.2	7.2	7.2	7.2	7.2	9.4			5	5	5	5		
						8.2	0.1	345	19.2		7.9		32.5		95.1		7.2												10.0	5
SR4A	Rainy	Moderate	17:50	9.4	Surface	1.0	0.1	330	18.0	18.0	7.9	7.9	32.3	32.3	93.0	93.1	7.3	7.4	4.5	5.9	5	5	817210	807815						
						1.0	0.1	325	18.0		7.9		32.3		93.1		7.3		4.5		4									
					Middle	4.7	0.0	318	18.0	18.0	7.9	7.9	32.4	32.4	94.9	95.0	7.4	7.4	7.4	7.4	6.3	5			5	5	5			
						4.7	0.0	316	18.0		7.9		32.4		95.1		7.4											6.3	4	
					Bottom	8.4	0.0	358	18.0	18.0	7.9	7.9	32.4	32.4	97.6	97.7	7.6	7.6	7.6	7.6	7.6	6.8			5	5	5	5		
						8.4	0.1	354	18.0		7.9		32.4		97.8		7.6												6.8	5
SR8	Misty	Calm	16:04	4.8	Surface	1.0	-	-	19.5	19.5	8.0	8.0	35.0	35.0	98.8	99.1	7.4	7.4	3.3	4.1	6	6	820370	811631						
						1.0	-	-	19.5		8.0		35.0		99.4		7.4		7											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
						-	-	-	-		-		-		-		-													-
					Bottom	3.8	-	-	19.5	19.5	8.0	8.0	35.0	35.0	101.0	101.3	7.5	7.6	7.6	7.6	7.6	4.9			6	6	6	6		
						3.8	-	-	19.5		8.0		35.0		101.5		7.6												4.8	6

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	20:47	8.2	Surface	1.0	0.3	207	17.2	17.2	7.9	7.9	31.7	31.7	97.0	97.0	7.7	7.8	8.9	10.5	18	18	815639	804240
						1.0	0.2	202	17.2		7.9	7.9	31.7	31.7	97.0	97.0	7.7	7.7						
					Middle	4.1	0.2	218	17.2	17.2	7.9	7.9	31.7	31.7	97.4	97.5	7.8	7.8	11.4	11.4	11.4			
						4.1	0.3	224	17.2		7.9	7.9	31.7	31.7	97.5	97.5	7.8	7.8	11.4					
					Bottom	7.2	0.2	234	17.2	17.2	7.9	7.9	31.6	31.6	100.0	100.2	8.0	8.0	11.5	11.2	11.5			
						7.2	0.2	239	17.2		7.9	7.9	31.6	31.6	100.2	100.1	8.0	8.0	11.2					
C2	Rainy	Rough	19:05	10.8	Surface	1.0	0.1	152	17.3	17.3	7.9	7.9	31.2	31.2	95.0	95.0	7.6	7.6	3.5	5.7	7	7	825674	806939
						1.0	0.1	159	17.3		7.9	7.9	31.2	31.2	95.0	95.0	7.6	7.6						
					Middle	5.4	0.0	168	17.4	17.4	7.9	7.9	31.3	31.3	95.1	95.2	7.6	7.6	4.7	4.8	4.8			
						5.4	0.0	170	17.4		7.9	7.9	31.3	31.3	95.2	95.2	7.6	7.6	4.8					
					Bottom	9.8	0.1	157	17.4	17.4	7.9	7.9	31.3	31.3	95.8	95.9	7.6	7.7	8.6	8.9	8.6			
						9.8	0.0	160	17.4		7.9	7.9	31.3	31.3	95.9	95.9	7.7	7.7	8.9					
C3	Fine	Rough	20:57	12.8	Surface	1.0	0.2	91	20.3	20.3	7.9	7.9	34.9	34.9	90.8	90.9	6.4	6.4	3.0	3.9	4	5	822125	817824
						1.0	0.2	96	20.3		7.9	7.9	34.9	34.9	90.9	90.9	6.4	6.4						
					Middle	6.4	0.2	77	20.4	20.4	7.9	7.9	34.9	34.9	91.3	91.4	6.5	6.5	3.3	3.3	3.3			
						6.4	0.2	81	20.4		7.9	7.9	34.9	34.9	91.4	91.4	6.5	6.5	3.3					
					Bottom	11.8	0.2	70	20.4	20.4	7.9	7.9	34.9	34.9	91.9	91.9	6.6	6.6	5.2	5.2	5.2			
						11.8	0.1	68	20.3		7.9	7.9	34.9	34.9	91.9	91.9	6.6	6.6	5.2					
IM1	Rainy	Moderate	20:20	6.3	Surface	1.0	0.2	198	17.0	17.0	7.9	7.9	31.7	31.7	97.5	97.5	7.8	7.8	5.7	8.5	6	9	818365	806467
						1.0	0.2	203	17.0		7.9	7.9	31.7	31.7	97.5	97.5	7.8	7.8						
					Middle	3.2	0.2	178	17.0	17.0	7.9	7.9	31.7	31.7	96.9	96.8	7.8	7.8	8.5	8.7	8.5			
						3.2	0.2	183	17.0		7.9	7.9	31.7	31.7	96.8	96.8	7.8	7.8	8.7					
					Bottom	5.3	0.2	212	17.0	17.0	7.9	7.9	31.6	31.6	96.2	96.1	7.7	7.7	11.7	10.6	11.7			
						5.3	0.1	213	16.9		7.9	7.9	31.6	31.6	95.9	95.9	7.7	7.7	10.6					
IM2	Rainy	Moderate	20:16	6.7	Surface	1.0	0.1	180	16.9	16.9	7.9	7.9	31.7	31.7	97.9	97.9	7.9	7.9	8.3	10.2	7	8	819205	806230
						1.0	0.2	177	16.9		7.9	7.9	31.7	31.7	97.9	97.9	7.9	7.9						
					Middle	3.4	0.1	206	16.9	16.9	7.9	7.9	31.7	31.7	98.1	98.1	7.9	7.9	11.2	10.9	11.2			
						3.4	0.1	211	16.9		7.9	7.9	31.7	31.7	98.1	98.1	7.9	7.9	10.9					
					Bottom	5.7	0.2	198	16.9	16.9	7.9	7.9	31.7	31.7	98.8	98.9	7.9	7.9	11.0	11.6	11.0			
						5.7	0.2	204	16.9		7.9	7.9	31.7	31.7	99.0	98.9	7.9	7.9	11.6					
IM7	Rainy	Moderate	19:51	7.9	Surface	1.0	0.0	157	17.2	17.3	7.9	7.9	31.2	31.2	94.1	94.1	7.5	7.5	2.6	3.5	6	7	821348	806823
						1.0	0.0	159	17.3		7.9	7.9	31.2	31.2	94.1	94.1	7.5	7.5						
					Middle	4.0	0.1	133	17.4	17.4	7.9	7.9	31.5	31.5	94.8	94.8	7.5	7.5	3.6	3.7	3.6			
						4.0	0.1	136	17.4		7.9	7.9	31.5	31.5	94.8	94.8	7.5	7.5	3.7					
					Bottom	6.9	0.0	168	17.4	17.4	7.9	7.9	31.6	31.6	95.3	95.4	7.6	7.6	4.1	4.2	4.1			
						6.9	0.0	172	17.4		7.9	7.9	31.6	31.6	95.4	95.4	7.6	7.6	4.2					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Fine	Rough	19:02	9.2	Surface	1.0	0.1	97	19.6	19.7	7.9	7.9	34.6	34.6	93.4	93.5	6.8	6.8	3.2	3.1	4	4	822229	809826
						1.0	0.1	100	19.7		7.9	7.9	34.6	34.6	93.5	93.5	6.8		3.2		3			
					Middle	4.6	0.1	101	19.7	7.9	7.9	34.7	34.7	93.8	93.9	6.7	6.8	3.1	4					
						4.6	0.2	106	19.7	7.9	7.9	34.7	34.7	93.9	93.9	6.7		3.1	3					
					Bottom	8.2	0.1	93	19.7	8.0	8.0	34.7	34.7	94.2	94.3	6.8	6.8	3.1	6					
						8.2	0.1	87	19.7	8.0	8.0	34.7	34.7	94.3	94.3	6.8		3.1	5					
IM11	Fine	Rough	19:17	8.8	Surface	1.0	0.1	75	19.5	19.5	7.9	7.9	34.5	34.5	93.8	93.8	6.8	6.8	3.3	4.9	4	4	821518	810566
						1.0	0.2	68	19.5		7.9	7.9	34.5	34.5	93.8	93.8	6.8		3.3		5			
					Middle	4.4	0.2	97	19.5	7.9	7.9	34.6	34.5	92.7	92.6	6.8	6.8	7.0	4					
						4.4	0.2	103	19.5	7.9	7.9	34.5	34.5	92.5	92.6	6.7		7.1	4					
					Bottom	7.8	0.1	80	19.6	7.9	7.9	34.6	34.6	87.9	87.7	6.4	6.4	4.3	4					
						7.8	0.1	77	19.7	7.9	7.9	34.7	34.6	87.4	87.7	6.4		4.3	5					
IM12	Fine	Rough	19:28	8.5	Surface	1.0	0.2	102	19.8	19.8	7.9	7.9	34.8	34.8	92.5	92.6	6.7	6.7	3.9	4.1	4	4	821166	811501
						1.0	0.2	96	19.8		7.9	7.9	34.8	34.8	92.6	92.6	6.7		3.9		3			
					Middle	4.3	0.2	95	19.8	8.0	8.0	34.8	34.8	92.9	92.9	6.7	6.7	4.1	4					
						4.3	0.3	87	19.8	8.0	8.0	34.8	34.8	92.9	92.9	6.7		4.2	3					
					Bottom	7.5	0.2	80	19.7	8.0	8.0	34.8	34.8	93.6	93.7	6.7	6.7	4.4	4					
						7.5	0.2	75	19.7	8.0	8.0	34.8	34.8	93.7	93.7	6.7		4.4	4					
SR1A	Fine	Rough	20:09	4.9	Surface	1.0	0.0	56	20.0	20.0	7.9	7.9	34.8	34.8	91.3	91.3	6.5	6.5	2.2	2.2	4	5	819979	812660
						1.0	0.1	60	20.0		7.9	7.9	34.8	34.8	91.3	91.3	6.5		2.2		3			
					Middle	2.5	0.0	63	-	-	-	-	-	-	-	-	-	-	-					
						2.5	0.1	60	-	-	-	-	-	-	-	-		-	-					
					Bottom	3.9	0.0	57	20.0	7.9	7.9	34.8	34.8	91.5	91.5	6.6	6.6	2.2	5					
						3.9	0.1	51	20.0	7.9	7.9	34.8	34.8	91.5	91.5	6.6		2.2	6					
SR2	Fine	Rough	20:28	4.7	Surface	1.0	0.3	29	20.2	20.2	7.9	7.9	34.9	34.9	91.9	91.9	6.6	6.6	6.4	4.3	4	4	821464	814162
						1.0	0.3	28	20.2		7.9	7.9	34.9	34.9	91.9	91.9	6.6		6.5		4			
					Middle	-	0.2	21	-	-	-	-	-	-	-	-	-	-	-					
						-	0.2	28	-	-	-	-	-	-	-	-		-	-					
					Bottom	3.7	0.3	17	20.2	7.9	7.9	34.9	34.9	91.9	91.9	6.6	6.6	2.1	5					
						3.7	0.3	19	20.2	7.9	7.9	34.9	34.9	91.9	91.9	6.6		2.1	4					
SR3	Rainy	Rough	19:45	8.9	Surface	1.0	0.2	144	17.4	17.4	7.9	7.9	31.4	31.4	94.7	94.8	7.5	7.6	3.8	6.9	7	7	822152	807565
						1.0	0.2	144	17.4		7.9	7.9	31.4	31.4	94.8	94.8	7.6		4.0		7			
					Middle	4.5	0.1	154	17.4	7.9	7.9	31.5	31.5	96.0	96.0	7.6	7.7	7.6	6					
						4.5	0.1	153	17.3	7.9	7.9	31.6	31.6	96.0	96.0	7.7		7.9	7					
					Bottom	7.9	0.1	133	17.3	7.9	7.9	31.6	31.6	96.7	96.8	7.7	7.7	8.8	7					
						7.9	0.1	140	17.3	7.9	7.9	31.6	31.6	96.9	96.8	7.7		9.4	8					
SR4A	Rainy	Moderate	21:19	8.9	Surface	1.0	0.1	315	16.6	16.6	7.9	7.9	31.4	31.4	94.8	94.9	7.7	7.8	3.9	5.3	9	9	817197	807793
						1.0	0.1	319	16.6		7.9	7.9	31.4	31.4	94.9	94.9	7.7		3.9		9			
					Middle	4.5	0.0	301	16.6	7.9	7.9	31.5	31.5	96.7	96.8	7.8	7.8	5.7	8					
						4.5	0.0	307	16.6	7.9	7.9	31.5	31.5	96.9	96.8	7.8		5.7	8					
					Bottom	7.9	0.0	321	16.6	7.9	7.9	31.6	31.6	99.4	99.5	8.0	8.0	6.2	9					
						7.9	0.1	322	16.6	7.9	7.9	31.6	31.6	99.6	99.5	8.0		6.2	8					
SR8	Fine	Rough	19:36	5.1	Surface	1.0	-	-	19.8	19.8	7.9	7.9	34.8	34.8	92.1	92.2	6.6	6.6	9.1	6.5	5	5	820393	811639
						1.0	-	-	19.8		7.9	7.9	34.8	34.8	92.2	92.2	6.6		9.1		5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-		-	-					
					Bottom	4.1	-	-	19.8	7.9	7.9	34.8	34.8	92.2	92.2	6.6	6.6	3.9	5					
						4.1	-	-	19.8	7.9	7.9	34.8	34.8	92.2	92.2	6.6		3.9	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 17 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Cloudy	Rough	13:57	8.8	Surface	1.0	0.2	19	18.0	18.0	7.8	7.8	32.2	32.2	90.5	90.5	7.1	7.1	7.0	7.0	10.5	6	7	815626	804251		
						1.0	0.2	18	18.0	7.8	7.8	32.2	32.2	90.4	90.4	7.1	7.1	7.0	7.0	10.6	6						
					Middle	4.4	0.3	46	18.0	18.0	7.8	7.8	32.2	32.2	88.9	88.8	7.0	7.0	6.9	6.9	11.1	7					
						4.4	0.3	47	18.0	18.0	7.8	7.8	32.2	32.2	88.6	88.6	6.9	6.9	11.7	6							
					Bottom	7.8	0.3	47	18.0	18.0	7.8	7.8	32.2	32.2	81.7	81.0	6.4	6.4	13.3	8							
						7.8	0.3	52	18.0	18.0	7.8	7.8	32.2	32.2	80.2	80.2	6.3	6.3	12.6	8							
C2	Cloudy	Rough	15:09	11.2	Surface	1.0	0.3	340	17.6	17.6	7.9	7.9	31.2	31.2	94.4	94.5	7.5	7.5	7.6	7.6	5.0	10	9	825688	806967		
						1.0	0.3	339	17.6	17.6	7.9	7.9	31.2	31.2	94.5	94.5	7.5	7.5	7.6	7.6	5.5	10					
					Middle	5.6	0.3	337	17.7	17.7	7.9	7.9	31.3	31.3	95.4	95.5	7.6	7.6	8.7	8.7	8.3	6					
						5.6	0.3	336	17.7	17.7	7.9	7.9	31.3	31.3	95.5	95.5	7.6	7.6	8.7	8.7	8.7	13					
					Bottom	10.2	0.3	11	17.7	17.7	7.9	7.9	31.3	31.3	96.1	96.2	7.6	7.6	10.6	10.6	7.6	7.6				10.6	9
						10.2	0.3	8	17.7	17.7	7.9	7.9	31.3	31.3	96.3	96.3	7.6	7.6	10.7	10.7	7.6	7.6				10.7	8
C3	Cloudy	Rough	12:52	11.2	Surface	1.0	0.3	262	20.3	20.3	7.8	7.8	35.0	35.0	89.6	89.6	6.3	6.3	6.4	6.4	1.3	5	6	822091	817798		
						1.0	0.3	263	20.3	20.3	7.8	7.8	35.0	35.0	89.6	89.6	6.3	6.3	6.4	6.4	1.3	6					
					Middle	5.6	0.3	287	20.3	20.3	7.8	7.8	35.0	35.0	89.8	89.9	6.4	6.4	6.4	6.4	3.6	6					
						5.6	0.4	287	20.3	20.3	7.8	7.8	35.0	35.0	89.9	89.9	6.4	6.4	6.4	6.4	3.6	6					
					Bottom	10.2	0.3	255	20.3	20.3	7.7	7.7	35.0	35.0	90.2	90.2	6.4	6.4	4.9	4.9	6.4	6.4				4.9	6
						10.2	0.3	256	20.3	20.3	7.7	7.7	35.0	35.0	90.2	90.2	6.4	6.4	4.9	4.9	6.4	6.4				4.9	8
IM1	Cloudy	Rough	14:20	6.9	Surface	1.0	0.2	15	17.6	17.6	7.8	7.8	32.0	32.0	94.3	94.4	7.4	7.4	7.5	7.5	6.2	6	8	818328	806451		
						1.0	0.2	7	17.6	17.6	7.8	7.8	32.0	32.0	94.5	94.5	7.4	7.4	7.5	7.5	6.3	8					
					Middle	3.5	0.2	24	17.6	17.6	7.8	7.8	32.0	32.0	95.7	95.8	7.5	7.5	7.0	7.0	6.9	8					
						3.5	0.2	20	17.6	17.6	7.8	7.8	32.0	32.0	95.9	95.9	7.6	7.6	7.0	7.0	6.9	8					
					Bottom	5.9	0.2	354	17.6	17.6	7.8	7.8	32.0	32.0	96.6	96.7	7.6	7.6	7.1	7.1	7.1	7.1				7.1	8
						5.9	0.2	357	17.6	17.6	7.8	7.8	32.0	32.0	96.7	96.7	7.6	7.6	7.1	7.1	7.1	7.1				7.1	8
IM2	Cloudy	Rough	14:24	7.4	Surface	1.0	0.2	353	17.6	17.6	7.8	7.8	32.0	32.0	91.7	91.8	7.2	7.2	7.2	7.2	6.2	6	7	819169	806255		
						1.0	0.2	355	17.6	17.6	7.8	7.8	32.0	32.0	91.8	91.8	7.2	7.2	7.2	7.2	6.3	6					
					Middle	3.7	0.2	9	17.7	17.7	7.8	7.8	32.0	32.0	92.0	92.0	7.2	7.2	7.2	7.2	6.4	8					
						3.7	0.2	7	17.7	17.7	7.8	7.8	32.0	32.0	92.0	92.0	7.2	7.2	7.2	7.2	6.3	8					
					Bottom	6.4	0.2	335	17.7	17.7	7.8	7.8	32.0	32.0	92.2	92.3	7.3	7.3	6.4	6.4	7.3	7.3				6.4	8
						6.4	0.2	341	17.7	17.7	7.8	7.8	32.0	32.0	92.3	92.3	7.3	7.3	6.4	6.4	7.3	7.3				6.4	8
IM7	Cloudy	Rough	14:48	8.1	Surface	1.0	0.1	349	17.7	17.7	7.8	7.8	31.9	31.9	93.8	94.0	7.4	7.4	7.5	7.5	6.5	10	10	821371	806829		
						1.0	0.1	355	17.7	17.7	7.8	7.8	31.9	31.9	94.1	94.1	7.4	7.4	7.5	7.5	6.8	8					
					Middle	4.1	0.2	331	17.6	17.6	7.9	7.9	32.0	32.0	96.3	96.4	7.6	7.6	9.3	9.3	9.3	9.3				9.3	9
						4.1	0.2	327	17.6	17.6	7.9	7.9	32.0	32.0	96.5	96.5	7.6	7.6	9.3	9.3	9.3	9.3				9.3	11
					Bottom	7.1	0.1	334	17.6	17.6	7.9	7.9	31.9	31.9	97.6	97.8	7.7	7.7	10.5	10.5	7.7	7.7				10.5	12
						7.1	0.1	339	17.6	17.6	7.9	7.9	31.9	31.9	98.0	98.0	7.7	7.7	10.8	10.8	7.7	7.7				10.8	10

DA: Depth-Averaged

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

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Water Quality Monitoring

Water Quality Monitoring Results on 17 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA						
IM10	Cloudy	Rough	14:41	8.5	Surface	1.0	0.3	297	20.0	20.1	8.0	8.0	34.9	34.9	91.2	91.2	6.6	6.6	6.2	4.1	7	6	822218	809851				
						1.0	0.3	302	20.1		8.0	8.0	34.9	34.9	91.2	91.2	6.7		6.3		7							
					Middle	4.3	0.3	307	20.1	8.0	8.0	34.9	34.9	90.9	90.9	6.5	6.5	2.8	5									
						4.3	0.3	306	20.1	8.0	8.0	34.9	34.9	90.9	90.9	6.5	6.5	2.9	7									
					Bottom	7.5	0.3	310	20.1	8.0	8.0	34.9	34.9	90.7	90.8	6.5	6.5	3.1	4									
						7.5	0.3	311	20.1	8.0	8.0	34.9	34.9	90.8	90.8	6.5	6.5	3.1	5									
IM11	Cloudy	Rough	14:26	7.9	Surface	1.0	0.4	288	20.0	20.0	7.9	7.9	34.9	34.9	90.8	90.8	6.5	6.5	3.0	3.0	4	5	821513	810554				
						1.0	0.4	293	20.0		7.9	7.9	34.9	34.9	90.8	90.8	6.5		3.0		4							
					Middle	4.0	0.4	288	20.0	7.9	7.9	34.9	34.9	90.8	90.8	6.5	6.5	3.1	6									
						4.0	0.4	284	20.0	7.9	7.9	34.9	34.9	90.8	90.8	6.5	6.5	3.1	5									
					Bottom	6.9	0.4	291	20.1	7.9	7.9	34.9	34.9	90.8	90.8	6.5	6.5	2.9	6									
						6.9	0.4	297	20.1	7.9	7.9	34.9	34.9	90.8	90.8	6.5	6.5	2.9	5									
IM12	Cloudy	Rough	14:18	7.4	Surface	1.0	0.4	293	20.0	20.0	7.9	7.9	34.8	34.8	91.3	91.3	6.5	6.6	4.6	3.6	6	5	821152	811531				
						1.0	0.5	291	20.0		7.9	7.9	34.8	34.8	91.3	91.3	6.5		4.7		5							
					Middle	3.7	0.4	276	20.0	7.9	7.9	34.8	34.8	91.7	91.7	6.6	6.6	3.2	5									
						3.7	0.4	278	20.0	7.9	7.9	34.8	34.8	91.7	91.7	6.6	6.6	3.2	5									
					Bottom	6.4	0.4	273	20.0	8.0	8.0	34.9	34.9	92.9	93.1	6.6	6.7	3.1	5									
						6.4	0.3	270	20.0	8.0	8.0	34.9	34.9	93.2	93.1	6.7	6.7	3.1	6									
SR1A	Cloudy	Rough	13:38	4.2	Surface	1.0	0.0	210	20.0	20.0	7.9	7.9	34.9	34.9	90.4	90.4	6.4	6.4	2.3	2.5	7	8	819975	812662				
						1.0	0.0	216	20.0		7.9	7.9	34.9	34.9	90.3	90.3	6.4		6.4		2.4				7			
					Middle	2.1	-	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.1	0.0	179	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.2	0.0	197	20.0	7.9	7.9	34.9	34.9	90.3	90.3	6.4	6.4	2.7	10									
						3.2	0.1	197	20.0	7.9	7.9	34.9	34.9	90.3	90.3	6.4	6.4	2.7	9									
SR2	Cloudy	Rough	13:19	4.1	Surface	1.0	0.1	230	20.0	20.0	7.9	7.9	34.9	34.9	91.5	91.6	6.5	6.5	2.3	2.4	7	7	821449	814144				
						1.0	0.1	233	20.0		7.9	7.9	34.9	34.9	91.6	91.6	6.5		6.5		2.3				6			
					Middle	-	0.1	223	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	0.1	227	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.1	0.1	243	20.0	7.9	7.9	34.9	34.9	91.3	91.4	6.5	6.5	2.5	7									
						3.1	0.1	242	20.0	7.9	7.9	34.9	34.9	91.4	91.4	6.5	6.5	2.4	9									
SR3	Cloudy	Rough	14:53	8.7	Surface	1.0	0.2	343	17.7	17.7	7.8	7.8	32.0	32.0	91.3	91.3	7.2	7.2	6.6	7.8	9	9	822133	807567				
						1.0	0.2	349	17.7		7.8	7.8	32.0	32.0	91.3	91.3	7.2		7.2		7.1				9			
					Middle	4.4	0.2	359	17.7	7.8	7.8	32.0	32.0	91.6	91.6	7.2	7.2	8.1	8									
						4.4	0.2	354	17.7	7.8	7.8	32.0	32.0	91.6	91.6	7.2	7.2	8.3	9									
					Bottom	7.7	0.2	339	17.7	7.8	7.8	32.0	32.0	92.0	92.1	7.2	7.2	8.6	9									
						7.7	0.2	342	17.7	7.8	7.8	32.0	32.0	92.2	92.1	7.2	7.2	8.3	8									
SR4A	Cloudy	Moderate	13:28	8.4	Surface	1.0	0.0	247	17.7	17.7	7.9	7.9	31.5	31.5	91.7	91.8	7.2	7.3	5.5	6.2	9	9	817194	807791				
						1.0	0.0	246	17.7		7.9	7.9	31.5	31.5	91.8	91.8	7.2		7.3		5.6				8			
					Middle	4.2	0.0	246	17.7	7.9	7.9	31.3	31.3	92.6	92.6	7.3	7.3	6.2	8									
						4.2	0.1	244	17.7	7.9	7.9	31.3	31.3	92.6	92.6	7.3	7.3	6.2	9									
					Bottom	7.4	0.0	244	17.7	7.9	7.9	31.2	31.2	94.1	94.4	7.4	7.5	6.9	9									
						7.4	0.0	247	17.7	7.9	7.9	31.1	31.1	94.7	94.7	7.5	7.5	6.9	10									
SR8	Cloudy	Rough	14:09	4.6	Surface	1.0	-	-	20.7	20.7	7.9	7.9	33.9	33.9	95.3	95.4	6.8	6.8	5.9	5.1	10	9	820387	811620				
						1.0	-	-	20.7		7.9	7.9	33.9	33.9	95.4	95.4	6.8		6.8		5.9				10			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.6	-	-	19.8	19.8	8.0	8.0	34.7	34.6	92.9	92.9	6.7	6.7	4.2	8								
						3.6	-	-	19.8	19.8	8.0	8.0	34.6	34.6	92.9	92.9	6.7	6.7	4.3	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 20 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	10:32	8.2	Surface	1.0	0.3	217	17.7	17.7	7.9	7.9	32.6	32.6	96.3	96.3	7.6	7.5	10.1	10.6	7	7	815639	804261			
						1.0	0.3	214	17.7		7.9		32.6		96.3		7.5		10.4		7						
					Middle	4.1	0.3	198	17.6	17.6	7.9	7.9	32.6	32.6	95.7	95.8	7.5	7.5	8.8	7.5	9.1				7.5	7	
						4.1	0.3	205	17.6		7.9		32.6		95.8		7.5		9.1		7						
					Bottom	7.2	0.3	231	17.5	17.5	7.9	7.9	32.6	32.6	95.5	95.6	7.5	7.5	12.7	7.5	12.4				7.5	8	
						7.2	0.3	227	17.5		7.9		32.6		95.6		7.5		12.4		8						
C2	Cloudy	Moderate	11:49	11.6	Surface	1.0	0.4	176	17.9	17.9	8.0	8.0	32.4	32.4	95.9	95.9	7.5	7.5	3.4	5.1	3	4	825663	806958			
						1.0	0.5	176	17.9		8.0		32.4		95.9		7.5		3.5		4						
					Middle	5.8	0.4	172	17.8	17.8	8.0	8.0	32.4	32.4	96.3	96.5	7.5	7.6	5.9		7.7				6.0	7.7	4
						5.8	0.5	178	17.8		8.0		32.4		96.5		7.6		6.0						4		
					Bottom	10.6	0.4	182	17.8	17.8	8.0	8.0	32.4	32.4	98.3	98.6	7.7	7.7	5.9		7.7				5.9	7.7	6
						10.6	0.4	179	17.8		8.0		32.4		98.6		7.7		5.9						5		
C3	Fine	Calm	10:22	9.4	Surface	1.0	0.2	71	19.2	19.2	7.8	7.8	35.1	35.1	93.2	93.4	7.0	7.1	3.2	4.4	3	4	822131	817800			
						1.0	0.2	72	19.1		7.8		35.1		93.5		7.0		3.3		4						
					Middle	4.7	0.2	85	19.1	19.1	7.8	7.8	35.0	35.0	94.7	94.9	7.1	7.1	4.0		7.2				4.1	7.2	4
						4.7	0.2	82	19.1		7.8		35.0		94.9		7.1		4.1						4		
					Bottom	8.4	0.2	81	19.1	19.2	7.8	7.8	35.0	35.0	95.9	96.1	7.2	7.2	5.9		7.2				5.9	7.2	5
						8.4	0.2	86	19.2		7.8		35.0		96.1		7.2		5.9						6		
IM1	Cloudy	Moderate	10:45	7.2	Surface	1.0	0.2	203	17.7	17.7	7.9	7.9	32.6	32.6	96.3	96.3	7.6	7.5	5.0	8.2	6	7	818328	806461			
						1.0	0.3	202	17.6		7.9		32.6		96.2		7.5		5.2		6						
					Middle	3.6	0.2	197	17.3	17.3	7.9	7.9	32.6	32.6	94.4	94.3	7.4	7.4	6.9		7.6				6.9	7.6	6
						3.6	0.2	197	17.3		7.9		32.6		94.3		7.4		6.9						7		
					Bottom	6.2	0.3	182	17.3	17.3	7.9	7.9	32.5	32.5	96.1	96.3	7.6	7.6	12.8		7.6				12.3	7.6	8
						6.2	0.3	182	17.3		7.9		32.5		96.3		7.6		12.3						7		
IM2	Cloudy	Moderate	10:51	7.5	Surface	1.0	0.2	194	17.3	17.3	7.9	7.9	32.6	32.6	97.2	97.2	7.7	7.7	3.0	4.3	8	7	819163	806241			
						1.0	0.2	190	17.3		7.9		32.6		97.2		7.7		3.1		8						
					Middle	3.8	0.2	208	17.1	17.1	7.9	7.9	32.6	32.6	97.5	97.5	7.7	7.7	5.1		7.7				5.0	7.7	7
						3.8	0.3	211	17.1		7.9		32.6		97.5		7.7		5.0						8		
					Bottom	6.5	0.2	212	17.1	17.1	7.9	7.9	32.6	32.6	97.5	97.6	7.7	7.7	4.9		7.7				5.0	7.7	5
						6.5	0.3	206	17.1		7.9		32.6		97.6		7.7		5.0						6		
IM7	Cloudy	Moderate	11:20	8.7	Surface	1.0	0.2	200	18.0	18.0	8.0	8.0	32.3	32.3	98.1	98.2	7.7	7.8	2.7	3.6	6	6	821349	806820			
						1.0	0.3	202	18.0		8.0		32.3		98.3		7.7		2.7		7						
					Middle	4.4	0.2	180	17.7	17.7	8.0	8.0	32.3	32.3	98.7	98.7	7.8	7.8	3.5		7.8				3.7	7.8	6
						4.4	0.3	175	17.6		8.0		32.3		98.7		7.8		3.7						5		
					Bottom	7.7	0.2	190	17.4	17.4	8.0	8.0	32.3	32.3	98.3	98.4	7.8	7.8	4.5		7.8				4.4	7.8	4
						7.7	0.2	192	17.4		8.0		32.3		98.4		7.8		4.4						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 20 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Fine	Calm	11:34	8.2	Surface	1.0	0.2	126	18.6	7.9	7.9	35.1	35.1	94.9	94.9	7.2	7.2	1.1	1.1	3	3	822248	809832				
						1.0	0.2	133	18.6	7.9	7.9	35.1	35.1	94.9	94.9	7.2	7.2	1.1	1.1	2	2						
					Middle	4.1	0.3	143	18.6	7.9	7.9	35.1	35.1	95.0	95.0	7.2	7.2	1.3	1.3	3	3						
						4.1	0.3	145	18.5	7.9	7.9	35.1	35.1	95.0	95.0	7.2	7.2	1.3	1.3	4	4						
					Bottom	7.2	0.3	121	18.3	7.9	7.9	35.3	35.3	95.3	95.4	7.3	7.3	2.4	2.4	5	5						
						7.2	0.3	123	18.3	7.9	7.9	35.3	35.3	95.4	95.4	7.3	7.3	2.4	2.4	4	4						
IM11	Fine	Calm	11:28	7.2	Surface	1.0	0.3	112	18.2	7.9	7.9	35.1	35.1	96.9	97.0	7.4	7.4	3.3	3.3	5	5	821492	810538				
						1.0	0.3	114	18.2	7.9	7.9	35.1	35.1	97.1	97.1	7.4	7.4	3.2	3.2	4	4						
					Middle	3.6	0.3	113	18.2	7.9	7.9	35.2	35.2	98.3	98.3	7.5	7.5	4.1	4.1	4	4						
						3.6	0.3	114	18.2	7.9	7.9	35.2	35.2	98.3	98.3	7.5	7.5	4.2	4.2	4	4						
					Bottom	6.2	0.3	108	18.1	7.9	7.9	35.2	35.2	99.4	99.5	7.6	7.6	5.4	5.4	3	3						
						6.2	0.3	102	18.1	7.9	7.9	35.2	35.2	99.6	99.6	7.6	7.6	5.5	5.5	4	4						
IM12	Fine	Calm	11:22	7.8	Surface	1.0	0.3	110	18.1	7.9	7.9	35.2	35.2	96.2	96.3	7.4	7.4	2.2	2.2	3	3	821174	811510				
						1.0	0.3	108	18.1	7.9	7.9	35.2	35.2	96.3	96.3	7.4	7.4	2.2	2.2	2	2						
					Middle	3.9	0.3	95	18.1	7.9	7.9	35.2	35.2	97.1	97.3	7.4	7.4	3.2	3.2	3	3						
						3.9	0.4	97	18.1	7.9	7.9	35.2	35.2	97.5	97.5	7.5	7.5	3.2	3.2	4	4						
					Bottom	6.8	0.3	82	18.0	7.9	7.9	35.2	35.2	98.4	98.5	7.5	7.5	4.3	4.3	4	4						
						6.8	0.3	80	18.0	7.9	7.9	35.2	35.2	98.6	98.6	7.6	7.6	4.2	4.2	4	4						
SR1A	Fine	Calm	10:54	4.8	Surface	1.0	0.0	47	18.5	7.9	7.9	35.1	35.1	96.2	96.3	7.3	7.3	5.2	5.2	6	6	819980	812654				
						1.0	0.1	49	18.4	7.9	7.9	35.1	35.1	96.3	96.3	7.3	7.3	5.2	5.2	5	5						
					Middle	2.4	-	52	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						2.4	0.0	54	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	3.8	0.0	32	18.4	7.8	7.8	35.2	35.2	97.0	97.3	7.4	7.4	6.0	6.0	4	4						
						3.8	0.0	27	18.4	7.8	7.8	35.2	35.2	97.6	97.6	7.4	7.4	6.1	6.1	4	4						
SR2	Fine	Calm	10:42	5.0	Surface	1.0	0.2	33	18.7	7.8	7.8	35.1	35.1	94.2	94.3	7.1	7.1	2.7	2.7	4	4	821477	814172				
						1.0	0.2	28	18.7	7.8	7.8	35.1	35.1	94.3	94.3	7.1	7.1	2.6	2.6	3	3						
					Middle	-	0.3	40	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.3	43	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	4.0	0.2	37	18.7	7.8	7.8	35.1	35.1	94.8	94.9	7.2	7.2	3.4	3.4	4	4						
						4.0	0.2	35	18.7	7.8	7.8	35.1	35.1	94.9	94.9	7.2	7.2	3.4	3.4	4	4						
SR3	Cloudy	Moderate	11:29	8.8	Surface	1.0	0.3	168	17.8	8.0	8.0	32.5	32.5	97.2	97.3	7.6	7.6	3.0	3.0	4	4	822158	807593				
						1.0	0.3	169	17.8	8.0	8.0	32.5	32.5	97.3	97.3	7.6	7.6	3.2	3.2	3	3						
					Middle	4.4	0.3	157	17.5	8.0	8.0	32.5	32.5	97.4	97.5	7.7	7.7	4.1	4.1	4	4						
						4.4	0.3	154	17.4	8.0	8.0	32.6	32.6	97.6	97.6	7.7	7.7	4.2	4.2	4	4						
					Bottom	7.8	0.3	162	17.4	8.0	8.0	32.6	32.6	98.4	98.5	7.8	7.8	4.6	4.6	5	5						
						7.8	0.3	160	17.4	8.0	8.0	32.6	32.6	98.5	98.5	7.8	7.8	4.7	4.7	4	4						
SR4A	Cloudy	Moderate	10:16	8.9	Surface	1.0	0.0	30	17.6	7.9	7.9	32.2	32.2	96.3	96.3	7.6	7.6	8.3	8.3	8	8	817182	807810				
						1.0	0.0	36	17.5	7.9	7.9	32.2	32.2	96.3	96.3	7.6	7.6	8.5	8.5	7	7						
					Middle	4.5	0.0	28	17.4	7.9	7.9	32.2	32.2	95.9	95.9	7.6	7.6	9.3	9.3	8	8						
						4.5	-	34	17.4	7.9	7.9	32.2	32.2	95.9	95.9	7.6	7.6	9.2	9.2	9	9						
					Bottom	7.9	0.0	27	17.4	7.9	7.9	32.2	32.2	95.9	95.9	7.6	7.6	9.3	9.3	8	8						
						7.9	0.0	30	17.4	7.9	7.9	32.2	32.2	95.9	95.9	7.6	7.6	9.4	9.4	9	9						
SR8	Fine	Calm	11:15	5.0	Surface	1.0	-	-	18.5	7.9	7.9	35.0	35.0	94.1	94.2	7.2	7.2	5.5	5.5	4	4	820405	811604				
						1.0	-	-	18.5	7.9	7.9	35.0	35.0	94.2	94.2	7.2	7.2	5.5	5.5	5	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.0	-	-	18.4	7.9	7.9	35.1	35.1	94.6	94.4	7.2	7.2	6.9	6.9	4	4						
						4.0	-	-	18.4	7.9	7.9	35.0	35.0	94.2	94.2	7.2	7.2	6.8	6.8	4	4						

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 20 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	15:18	8.2	Surface	1.0	0.2	21	17.8	17.8	8.0	8.0	32.6	32.6	97.5	97.5	7.6	7.6	5.3	7.1	8	7	815636	804262		
						1.0	0.1	15	17.8		8.0		32.6		97.4		7.6		5.3		7					
					Middle	4.1	0.2	28	17.7	17.7	8.0	8.0	32.6	32.6	97.1	97.1	7.6	7.6	5.4	7.6	5.1	7.6			8	7
						4.1	0.2	21	17.7		8.0		32.6		97.1		7.6		5.1		7					
					Bottom	7.2	0.2	16	17.6	17.6	8.0	8.0	32.6	32.6	97.4	97.5	7.6	7.7	10.6	7.7	10.6	7.7			7	7
						7.2	0.2	15	17.6		8.0		32.6		97.5		7.7		10.6		7					
C2	Cloudy	Moderate	14:22	11.6	Surface	1.0	0.1	325	18.0	18.0	8.0	8.0	32.4	32.4	95.3	95.3	7.4	7.4	3.9	7.8	5	5	825670	806953		
						1.0	0.1	319	17.9		8.0		32.4		95.3		7.4		4.0		5					
					Middle	5.8	0.0	325	17.9	17.9	8.0	8.0	32.4	32.4	94.9	94.9	7.4	7.4	8.5	7.4	9.0	7.4			5	5
						5.8	-	328	17.9		8.0		32.4		94.9		7.4		9.0		5					
					Bottom	10.6	0.1	342	17.9	17.9	8.0	8.0	32.4	32.4	95.0	95.0	7.4	7.4	11.2	7.4	11.2	7.4			5	5
						10.6	0.1	337	17.9		8.0		32.4		95.0		7.4		10.5		6					
C3	Fine	Calm	15:39	9.8	Surface	1.0	0.4	259	19.1	19.1	7.9	7.9	35.0	35.0	93.5	93.6	7.0	7.0	1.4	7.0	3	4	822110	817809		
						1.0	0.3	261	19.1		7.9		34.9		93.6		7.0		1.4		3					
					Middle	4.9	0.4	270	19.1	19.1	7.8	7.8	34.5	34.8	93.7	93.7	7.1	7.1	3.4	7.1	3.5	7.1			4	5
						4.9	0.4	264	19.1		7.8		35.2		93.7		7.0		3.5		5					
					Bottom	8.8	0.4	268	19.2	19.2	7.8	7.8	35.0	34.8	93.9	93.9	7.1	7.1	5.0	7.1	5.1	7.1			5	5
						8.8	0.4	263	19.2		7.8		34.6		93.9		7.1		5.1		5					
IM1	Cloudy	Moderate	15:06	6.4	Surface	1.0	0.0	23	17.5	17.5	8.0	8.0	32.6	32.6	98.9	99.0	7.8	7.9	4.6	7.9	6	7	818349	806458		
						1.0	0.1	23	17.5		8.0		32.6		99.1		7.8		4.8		8					
					Middle	3.2	0.0	3	17.4	17.4	8.0	8.0	32.6	32.6	99.8	99.9	7.9	8.0	5.1	8.0	5.3	8.0			7	6
						3.2	0.0	-	17.4		8.0		32.6		100.0		7.9		5.3		6					
					Bottom	5.4	0.1	30	17.4	17.4	8.0	8.0	32.6	32.6	101.5	101.6	8.0	8.0	10.1	8.0	10.8	8.0			6	6
						5.4	0.1	34	17.4		8.0		32.6		101.7		8.0		10.8		6					
IM2	Cloudy	Moderate	15:01	7.2	Surface	1.0	0.1	272	17.6	17.6	8.0	8.0	32.6	32.6	100.2	100.3	7.9	8.0	4.1	8.0	4	6	819179	806226		
						1.0	0.1	267	17.6		8.0		32.6		100.4		7.9		4.1		4					
					Middle	3.6	0.0	277	17.6	17.6	8.0	8.0	32.6	32.6	101.7	101.9	8.0	8.0	4.5	8.0	4.3	8.0			5	7
						3.6	0.1	271	17.6		8.0		32.6		102.0		8.0		4.3		6					
					Bottom	6.2	0.1	279	17.4	17.4	8.0	8.0	32.7	32.7	102.5	102.8	8.1	8.1	10.8	8.1	10.6	8.1			7	7
						6.2	0.0	281	17.4		8.0		32.8		103.0		8.1		10.6		7					
IM7	Cloudy	Moderate	14:42	7.8	Surface	1.0	0.2	270	17.9	17.9	8.0	8.0	32.6	32.6	99.0	99.1	7.7	7.8	3.9	7.8	6	5	821342	806830		
						1.0	0.2	266	17.8		8.0		32.6		99.1		7.8		4.1		5					
					Middle	3.9	0.2	254	17.6	17.6	8.0	8.0	32.6	32.6	99.6	99.7	7.8	7.8	4.7	7.8	4.6	7.8			4	4
						3.9	0.2	257	17.6		8.0		32.6		99.7		7.8		4.6		4					
					Bottom	6.8	0.2	268	17.4	17.4	8.0	8.0	32.6	32.6	100.1	100.2	7.9	7.9	4.3	7.9	4.1	7.9			4	4
						6.8	0.2	269	17.4		8.0		32.6		100.3		7.9		4.1		4					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Fine	Calm	14:25	8.2	Surface	1.0	0.1	236	18.6	18.6	7.9	7.9	34.5	34.5	91.9	91.9	8.1	8.1	1.5	2.5	4	4	822235	809827		
						1.0	0.1	231	18.6		7.9		34.5		91.9		8.1		1.6		4					
					Middle	4.1	0.2	236	18.4	18.4	7.9	7.9	35.2	35.0	91.8	91.8	8.1	8.1	2.5	8.0	3				8.0	4
						4.1	0.1	230	18.4		7.9		34.9		91.8		8.1		2.5		4					
					Bottom	7.2	0.1	228	18.4	18.4	7.8	7.8	34.9	34.8	91.8	91.9	8.0	8.0	3.5	8.0	3				8.0	3
						7.2	0.2	224	18.4		7.8		34.7		91.9		8.0		3.6		3					
IM11	Fine	Calm	14:40	7.4	Surface	1.0	0.2	264	18.5	18.6	7.9	7.9	34.7	34.9	92.6	92.6	8.4	8.4	1.1	2.2	3	3	821487	810522		
						1.0	0.2	270	18.6		7.9		35.1		92.6		8.4		1.0		4					
					Middle	3.7	0.2	251	18.6	18.6	7.9	7.9	34.8	34.9	92.7	92.7	8.3	8.3	2.3	8.3	3				8.3	4
						3.7	0.2	247	18.6		7.9		34.9		92.7		8.4		2.3		4					
					Bottom	6.4	0.2	273	18.6	18.6	7.9	7.9	34.6	34.6	92.8	92.8	8.3	8.3	3.3	8.3	3				8.3	3
						6.4	0.3	277	18.6		7.9		34.6		92.8		8.3		3.3		3					
IM12	Fine	Calm	14:46	7.2	Surface	1.0	0.2	266	18.3	18.3	7.9	7.9	35.2	35.2	91.1	91.1	7.9	7.9	1.0	1.1	4	4	821148	811531		
						1.0	0.2	261	18.3		7.9		35.2		91.0		7.9		1.1		3					
					Middle	3.6	0.2	261	18.4	18.5	7.9	7.9	34.9	34.9	90.8	90.8	7.8	7.8	1.2	7.8	4				7.8	4
						3.6	0.2	268	18.5		7.9		34.9		90.7		7.8		1.2		4					
					Bottom	6.2	0.2	273	18.5	18.5	7.8	7.8	34.7	34.7	90.7	90.7	7.8	7.8	1.2	7.7	5				7.7	5
						6.2	0.2	269	18.5		7.8		34.6		90.7		7.7		1.2		5					
SR1A	Fine	Calm	15:07	4.6	Surface	1.0	0.0	181	18.7	18.7	7.9	7.9	34.6	34.6	96.0	96.0	7.3	7.3	2.1	3.0	4	4	819975	812655		
						1.0	0.1	175	18.7		7.9		34.6		95.9		7.3		2.0		4					
					Middle	2.3	0.0	175	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.3	0.0	169	-		-		-		-		-		-		-					-
					Bottom	3.6	0.1	171	18.7	18.7	7.9	7.9	34.5	34.5	96.0	96.1	7.3	7.3	4.0	7.3	3				7.3	3
						3.6	0.1	175	18.7		7.9		34.5		96.1		7.3		4.0		3					
SR2	Fine	Calm	15:20	5.0	Surface	1.0	0.1	304	19.1	19.1	7.8	7.8	34.7	34.9	97.1	97.1	7.3	7.3	4.6	5.1	3	3	821476	814153		
						1.0	0.1	304	19.1		7.8		35.1		97.1		7.3		4.6		4					
					Middle	-	0.0	313	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	306	-		-		-		-		-		-		-					
					Bottom	4.0	0.1	324	19.0	19.1	7.8	7.8	34.8	34.9	97.2	97.2	7.3	7.3	5.7	7.3	2				7.3	2
						4.0	0.0	327	19.1		7.8		34.9		97.2		7.3		5.7		2					
SR3	Cloudy	Moderate	14:36	8.8	Surface	1.0	0.1	260	18.0	18.0	8.0	8.0	32.5	32.5	97.9	98.0	7.6	7.6	3.1	3.7	6	6	822130	807555		
						1.0	0.1	255	18.0		8.0		32.5		98.0		7.6		3.2		5					
					Middle	4.4	0.1	244	17.7	17.7	8.0	8.0	32.5	32.5	99.2	99.4	7.8	7.8	3.9	7.8	6				7.8	6
						4.4	0.2	237	17.7		8.0		32.5		99.5		7.8		3.9		6					
					Bottom	7.8	0.1	270	17.7	17.7	8.0	8.0	32.5	32.5	100.8	101.0	7.9	7.9	4.1	7.9	7				7.9	7
						7.8	0.0	265	17.7		8.0		32.5		101.2		7.9		4.1		6					
SR4A	Cloudy	Moderate	15:34	8.6	Surface	1.0	0.1	212	17.6	17.6	8.0	8.0	32.6	32.6	98.9	98.9	7.8	7.8	6.4	6.4	8	8	817199	807831		
						1.0	0.1	209	17.5		8.0		32.6		98.8		7.8		6.4		8					
					Middle	4.3	0.1	214	17.4	17.4	8.0	8.0	32.6	32.6	98.7	98.8	7.8	7.8	6.3	7.8	9				7.8	9
						4.3	0.1	211	17.4		8.0		32.6		98.8		7.8		6.4		8					
					Bottom	7.6	0.0	230	17.4	17.4	8.0	8.0	32.6	32.6	99.6	99.7	7.9	7.9	6.5	7.9	10				7.9	10
						7.6	0.0	231	17.4		8.0		32.6		99.7		7.9		6.6		11					
SR8	Fine	Calm	14:50	5.0	Surface	1.0	-	-	18.4	18.4	7.8	7.8	35.2	35.0	96.9	96.9	7.4	7.4	5.1	5.8	5	5	820411	811605		
						1.0	-	-	18.4		7.8		34.9		96.9		7.4		5.2		6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	4.0	-	-	18.4	18.4	7.8	7.8	34.9	34.8	96.9	96.9	7.4	7.4	6.5	7.4	3				7.4	3
						4.0	-	-	18.3		7.8		34.7		96.9		7.4		6.5		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 22 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
C1	Fine	Moderate	11:38	8.5	Surface	1.0	0.1	196	17.6	17.6	8.1	8.1	32.2	32.2	93.9	93.9	7.4	7.4	5.3	7.0	9	10	815605	804265			
						1.0	0.0	200	17.6	17.6	8.1	8.1	32.2	32.2	93.9	93.9	7.4	7.4	5.3	7.0	9						
					Middle	4.3	0.1	208	17.5	17.5	8.1	8.1	32.2	32.2	93.8	93.8	7.4	7.4	5.1	7.0	10				7.0	10	
						4.3	0.1	203	17.5	17.5	8.1	8.1	32.2	32.2	93.8	93.8	7.4	7.4	5.1	7.0	9						
					Bottom	7.5	0.1	187	17.4	17.4	8.1	8.1	32.1	32.1	92.5	92.5	7.3	7.3	10.6	7.3	10.6				10	7.0	10
						7.5	0.1	185	17.4	17.4	8.1	8.1	32.1	32.1	92.5	92.5	7.3	7.3	10.6	7.3	10.6				10		
C2	Fine	Moderate	10:42	11.2	Surface	1.0	0.1	350	17.6	17.6	8.1	8.1	31.9	31.9	93.0	93.0	7.4	7.4	3.8	7.8	13	825666	806967				
						1.0	0.2	345	17.5	17.6	8.1	8.1	31.9	31.9	93.0	93.0	7.4	7.4	3.9								
					Middle	5.6	0.1	3	17.5	17.5	8.1	8.1	32.0	32.0	92.6	92.6	7.3	7.4	8.5					7.4	13		
						5.6	0.1	4	17.5	17.5	8.1	8.1	32.0	32.0	92.6	92.6	7.3	7.4	9.0					7.4	13		
					Bottom	10.2	0.1	11	17.5	17.5	8.1	8.1	32.0	32.0	92.7	92.7	7.4	7.4	11.2					7.4	11	7.8	13
						10.2	0.2	5	17.5	17.5	8.1	8.1	32.0	32.0	92.7	92.7	7.4	7.4	10.5					7.4	10		
C3	Fine	Moderate	11:51	11.2	Surface	1.0	0.1	82	18.6	18.6	8.3	8.3	32.1	32.1	91.0	91.0	7.0	7.1	3.1	6.1	11	822115	817785				
						1.0	0.1	84	18.6	18.6	8.3	8.3	32.1	32.1	91.0	91.0	7.0	7.1	3.2								
					Middle	5.6	0.1	78	18.5	18.5	8.3	8.3	32.0	32.0	91.1	91.1	7.1	7.1	3.9					7.1	11		
						5.6	0.1	77	18.4	18.5	8.3	8.3	32.0	32.0	91.2	91.2	7.1	7.1	4.0					7.1	11		
					Bottom	10.2	0.1	82	18.4	18.4	8.3	8.3	31.8	31.8	92.5	92.5	7.2	7.2	11.1					7.2	11	6.1	11
						10.2	0.1	83	18.4	18.4	8.3	8.3	31.8	31.8	92.8	92.7	7.2	7.2	11.3					7.2	12		
IM1	Fine	Moderate	11:26	6.5	Surface	1.0	0.0	167	17.3	17.3	8.1	8.1	32.2	32.2	92.8	92.8	7.4	7.4	4.6	6.7	12	818349	806456				
						1.0	0.0	163	17.3	17.3	8.1	8.1	32.2	32.2	92.8	92.8	7.4	7.4	4.7								
					Middle	3.3	0.1	186	17.2	17.2	8.1	8.1	32.2	32.2	92.7	92.7	7.4	7.4	5.0					7.4	12		
						3.3	0.1	187	17.2	17.2	8.1	8.1	32.2	32.2	92.7	92.7	7.4	7.4	5.2					7.4	12		
					Bottom	5.5	0.0	151	17.2	17.2	8.1	8.1	32.2	32.2	93.2	93.2	7.4	7.4	10.0					7.4	12	6.7	12
						5.5	0.0	150	17.2	17.2	8.1	8.1	32.2	32.2	93.2	93.2	7.4	7.4	10.8					7.4	13		
IM2	Fine	Moderate	11:21	6.9	Surface	1.0	0.1	60	17.4	17.4	8.1	8.1	32.2	32.2	92.1	92.1	7.3	7.3	4.0	6.3	11	819175	806214				
						1.0	0.1	59	17.4	17.4	8.1	8.1	32.2	32.2	92.1	92.1	7.3	7.3	4.0								
					Middle	3.5	0.1	63	17.4	17.4	8.1	8.1	32.2	32.2	91.8	91.8	7.3	7.3	4.5					7.3	11		
						3.5	0.0	65	17.4	17.4	8.1	8.1	32.2	32.2	91.8	91.8	7.3	7.3	4.3					7.3	12		
					Bottom	5.9	0.0	49	17.2	17.2	8.1	8.1	32.2	32.3	91.4	91.4	7.3	7.3	10.7					7.3	13	6.3	11
						5.9	0.0	45	17.2	17.2	8.1	8.1	32.3	32.3	91.4	91.4	7.3	7.3	10.5					7.3	12		
IM7	Fine	Moderate	11:02	7.9	Surface	1.0	0.2	59	17.2	17.2	8.2	8.2	32.0	32.0	92.7	92.7	7.4	7.4	8.6	9.1	10	821337	806816				
						1.0	0.1	61	17.1	17.2	8.2	8.2	32.0	32.0	92.6	92.6	7.4	7.4	8.8								
					Middle	4.0	0.2	86	17.1	17.1	8.2	8.2	32.0	32.0	92.1	92.1	7.4	7.4	9.4					7.4	11		
						4.0	0.2	91	17.1	17.1	8.2	8.2	32.0	32.0	92.1	92.1	7.4	7.4	9.4					7.4	10		
					Bottom	6.9	0.1	69	17.1	17.1	8.2	8.2	32.0	32.0	92.2	92.2	7.4	7.4	9.2					7.4	12	9.1	10
						6.9	0.1	72	17.1	17.1	8.2	8.2	32.0	32.0	92.4	92.3	7.4	7.4	9.0					7.4	11		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA			
IM10	Fine	Moderate	10:35	7.7	Surface	1.0	0.1	331	17.6	17.6	8.3	8.3	32.2	32.2	95.4	95.4	7.5	7.5	7.3	7.3	11	11	822231	809832					
						1.0	0.1	326	17.6	17.6	8.3	8.3	32.2	32.2	95.3	95.4	7.5	7.5	7.3	7.3	10	10							
					Middle	3.9	0.1	339	17.5	17.5	8.3	8.3	32.1	32.1	94.3	94.2	7.4	7.4	10.2	10.2	11	11							
						3.9	0.2	334	17.4	17.5	8.3	8.3	32.1	32.1	94.1	94.2	7.4	7.4	10.6	10.6	12	12							
					Bottom	6.7	0.1	307	17.3	17.3	8.3	8.3	32.1	32.1	93.8	93.9	7.4	7.4	12.2	12.2	12	12							
						6.7	0.1	301	17.3	17.3	8.3	8.3	32.1	32.1	93.9	93.9	7.4	7.4	12.3	12.3	12	12							
IM11	Fine	Moderate	10:41	8.2	Surface	1.0	0.1	320	17.6	17.6	8.3	8.3	32.0	32.0	95.4	95.4	7.5	7.5	5.5	5.5	9	9	821498	810564					
						1.0	0.1	312	17.6	17.6	8.3	8.3	32.0	32.0	95.4	95.4	7.5	7.5	5.5	5.5	10	10							
					Middle	4.1	0.0	309	17.6	17.6	8.3	8.3	31.9	31.9	95.6	95.7	7.5	7.5	5.3	5.3	10	10							
						4.1	0.0	304	17.5	17.6	8.3	8.3	31.9	31.9	95.8	95.7	7.6	7.6	5.2	5.2	10	10							
					Bottom	7.2	0.0	309	17.5	17.5	8.3	8.3	31.8	31.7	96.3	96.4	7.6	7.6	5.0	5.0	11	11							
						7.2	0.0	310	17.5	17.5	8.3	8.3	31.7	31.7	96.4	96.4	7.6	7.6	5.1	5.1	12	12							
IM12	Fine	Moderate	10:46	7.2	Surface	1.0	0.0	324	18.0	18.0	8.3	8.3	32.4	32.4	95.2	95.2	7.4	7.4	4.8	4.8	9	9	821162	811523					
						1.0	0.1	322	18.0	18.0	8.3	8.3	32.4	32.4	95.2	95.2	7.4	7.4	4.9	4.9	10	10							
					Middle	3.6	0.0	326	17.9	17.9	8.3	8.3	32.5	32.5	94.8	94.8	7.4	7.4	5.6	5.6	10	10							
						3.6	0.0	326	17.8	17.9	8.3	8.3	32.5	32.5	94.8	94.8	7.4	7.4	5.6	5.6	10	10							
					Bottom	6.2	0.1	326	17.8	17.8	8.3	8.3	32.5	32.5	94.8	94.8	7.4	7.4	6.0	6.0	11	11							
						6.2	0.0	331	17.8	17.8	8.3	8.3	32.5	32.5	94.8	94.8	7.4	7.4	6.0	6.0	10	10							
SR1A	Fine	Moderate	11:17	5.4	Surface	1.0	0.0	24	17.5	17.5	8.3	8.3	32.3	32.3	93.8	93.8	7.4	7.4	6.7	6.7	10	10	819971	812653					
						1.0	0.0	21	17.5	17.5	8.3	8.3	32.3	32.3	93.7	93.7	7.4	7.4	7.0	7.0	10	10							
					Middle	2.7	0.0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	10	10	
						2.7	0.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	10	10
					Bottom	4.4	0.0	4	17.5	17.5	8.3	8.3	32.3	32.3	93.4	93.5	7.4	7.4	7.5	7.5	10	10							
						4.4	0.0	-	17.5	17.5	8.3	8.3	32.3	32.3	93.5	93.5	7.4	7.4	7.3	7.3	9	9							
SR2	Fine	Moderate	11:31	5.4	Surface	1.0	0.1	36	18.1	18.1	8.3	8.3	32.3	32.3	95.6	95.6	7.4	7.4	4.0	4.0	9	9	821480	814152					
						1.0	0.1	39	18.1	18.1	8.3	8.3	32.3	32.3	95.6	95.6	7.5	7.5	4.2	4.2	10	10							
					Middle	-	0.1	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	11	11
						-	0.1	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	11
					Bottom	4.4	0.1	63	17.9	17.9	8.3	8.3	32.2	32.2	95.8	95.9	7.5	7.5	5.1	5.1	12	12							
						4.4	0.0	57	17.9	17.9	8.3	8.3	32.2	32.2	96.0	96.0	7.5	7.5	5.2	5.2	13	13							
SR3	Fine	Moderate	10:56	8.9	Surface	1.0	0.1	28	17.6	17.6	8.1	8.1	32.0	32.0	93.2	93.2	7.4	7.4	3.1	3.1	11	11	822150	807576					
						1.0	0.1	32	17.6	17.6	8.1	8.1	32.0	32.0	93.2	93.2	7.4	7.4	3.2	3.2	10	10							
					Middle	4.5	0.1	11	17.3	17.3	8.1	8.1	32.1	32.1	92.7	92.7	7.4	7.4	3.8	3.8	11	11							
						4.5	0.0	6	17.3	17.3	8.1	8.1	32.1	32.1	92.7	92.7	7.4	7.4	3.9	3.9	11	11							
					Bottom	7.9	0.1	45	17.3	17.3	8.1	8.1	32.1	32.0	92.6	92.6	7.4	7.4	4.0	4.0	11	11							
						7.9	0.1	38	17.3	17.3	8.1	8.1	32.0	32.0	92.6	92.6	7.4	7.4	4.1	4.1	12	12							
SR4A	Fine	Moderate	11:54	8.8	Surface	1.0	0.0	317	17.4	17.4	8.1	8.1	32.1	32.1	92.7	92.7	7.4	7.4	6.4	6.4	12	12	817192	807805					
						1.0	0.0	313	17.3	17.4	8.1	8.1	32.1	32.1	92.7	92.7	7.4	7.4	6.4	6.4	12	12							
					Middle	4.4	0.0	316	17.2	17.2	8.1	8.1	32.2	32.2	92.5	92.5	7.4	7.4	6.3	6.3	11	11							
						4.4	0.0	320	17.2	17.2	8.1	8.1	32.2	32.2	92.5	92.5	7.4	7.4	6.3	6.3	12	12							
					Bottom	7.8	0.0	336	17.2	17.2	8.1	8.1	32.2	32.2	91.0	91.0	7.2	7.2	6.5	6.5	10	10							
						7.8	0.1	336	17.2	17.2	8.1	8.1	32.2	32.2	91.0	91.0	7.2	7.2	6.5	6.5	10	10							
SR8	Fine	Moderate	10:53	4.5	Surface	1.0	-	-	18.7	18.7	8.3	8.3	32.1	32.1	97.7	97.8	7.5	7.5	5.1	5.1	10	10	820370	811632					
						1.0	-	-	18.6	18.7	8.3	8.3	32.1	32.1	97.8	97.8	7.6	7.6	5.1	5.1	10	10							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	11	11
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	11
					Bottom	3.5	-	-	18.0	18.0	8.3	8.3	32.2	32.1	95.7	95.9	7.5	7.5	5.5	5.5	13	13							
						3.5	-	-	18.0	18.0	8.3	8.3	32.1	32.1	96.0	96.0	7.5	7.5	5.5	5.5	12	12							

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Fine	Moderate	07:00	8.4	Surface	1.0	0.4	22	17.5	17.5	8.0	8.0	32.1	32.1	94.0	94.0	7.4	7.4	7.4	7.4	10	11	815623	804268	
						1.0	0.4	18	17.5	8.0	8.0	32.1	32.1	94.0	94.0	7.4	7.4	7.4	7.7	10					
					Middle	4.2	0.4	26	17.4	17.4	8.0	8.0	32.1	32.1	93.4	93.5	7.4	7.4	7.4	6.1	11				
						4.2	0.4	33	17.4	17.4	8.0	8.0	32.1	32.1	93.5	93.5	7.4	7.4	7.4	6.4	12				
					Bottom	7.4	0.4	26	17.3	17.3	8.0	8.0	32.1	32.1	93.2	93.3	7.4	7.4	7.4	7.3	13				
						7.4	0.4	27	17.3	17.3	8.0	8.0	32.1	32.1	93.3	93.3	7.4	7.4	7.4	7.7	12				
C2	Fine	Moderate	08:17	10.6	Surface	1.0	0.5	343	17.7	17.7	8.1	8.1	31.9	31.9	93.6	93.6	7.4	7.4	7.4	0.8	2.4	11	825702	806962	
						1.0	0.5	344	17.7	17.7	8.1	8.1	31.9	31.9	93.6	93.6	7.4	7.4	7.4	0.8					
					Middle	5.3	0.5	9	17.6	17.6	8.1	8.1	31.9	31.9	94.0	94.1	7.5	7.5	7.5	3.2					10
						5.3	0.5	7	17.6	17.6	8.1	8.1	31.9	31.9	94.2	94.2	7.5	7.5	7.5	3.3					10
					Bottom	9.6	0.4	347	17.6	17.6	8.1	8.1	31.9	31.9	96.0	96.2	7.6	7.6	7.6	3.2					9
						9.6	0.4	341	17.6	17.6	8.1	8.1	31.9	31.9	96.3	96.3	7.6	7.6	7.6	3.2					10
C3	Fine	Moderate	06:08	11.2	Surface	1.0	0.5	280	18.5	18.5	7.8	7.8	32.0	32.0	89.8	89.8	7.0	7.0	7.0	3.8	5.3	11	822094	817780	
						1.0	0.6	278	18.5	18.5	7.8	7.8	32.0	32.0	89.8	89.8	7.0	7.0	7.0	3.7					
					Middle	5.6	0.5	260	18.4	18.4	7.8	7.8	31.9	31.9	89.3	89.3	6.9	6.9	6.9	5.5					11
						5.6	0.5	259	18.4	18.4	7.8	7.8	31.9	31.9	89.3	89.3	6.9	6.9	6.9	5.7					11
					Bottom	10.2	0.5	289	18.4	18.4	7.6	7.6	31.7	31.7	89.8	89.9	7.0	7.0	7.0	6.3					9
						10.2	0.4	293	18.4	18.4	7.6	7.6	31.7	31.7	90.0	90.0	7.0	7.0	7.0	6.5					10
IM1	Fine	Moderate	07:13	6.3	Surface	1.0	0.2	12	17.5	17.5	8.0	8.0	32.2	32.2	94.0	94.0	7.4	7.4	7.4	2.4	5.3	11	818340	806455	
						1.0	0.2	15	17.4	17.4	8.0	8.0	32.2	32.2	93.9	94.0	7.5	7.5	7.5	2.5					
					Middle	3.2	0.3	29	17.1	17.1	8.0	8.0	32.2	32.2	92.1	92.1	7.3	7.3	7.3	4.2					11
						3.2	0.2	24	17.1	17.1	8.0	8.0	32.2	32.2	92.0	92.0	7.3	7.3	7.3	4.2					11
					Bottom	5.3	0.2	34	17.1	17.1	8.0	8.0	32.1	32.1	93.8	93.9	7.5	7.5	7.5	9.1					11
						5.3	0.2	31	17.1	17.1	8.0	8.0	32.1	32.1	94.0	94.0	7.5	7.5	7.5	9.6					12
IM2	Fine	Moderate	07:19	6.7	Surface	1.0	0.3	15	17.1	17.1	8.0	8.0	32.2	32.2	94.9	94.9	7.6	7.6	7.6	3.5	4.4	12	819162	806253	
						1.0	0.3	21	17.1	17.1	8.0	8.0	32.2	32.2	94.9	94.9	7.6	7.6	7.6	3.5					
					Middle	3.4	0.3	9	16.9	16.9	8.0	8.0	32.2	32.2	95.2	95.2	7.6	7.6	7.6	4.4					12
						3.4	0.2	14	16.9	16.9	8.0	8.0	32.2	32.2	95.2	95.2	7.6	7.6	7.6	4.3					11
					Bottom	5.7	0.3	359	16.9	16.9	8.0	8.0	32.2	32.2	95.2	95.3	7.6	7.6	7.6	5.2					10
						5.7	0.2	358	16.9	16.9	8.0	8.0	32.2	32.2	95.3	95.3	7.6	7.6	7.6	5.3					11
IM7	Fine	Moderate	07:48	7.8	Surface	1.0	0.2	349	17.2	17.2	8.2	8.2	32.0	32.0	92.9	92.9	7.4	7.4	7.4	5.9	6.6	12	821360	806833	
						1.0	0.2	344	17.1	17.1	8.2	8.2	32.0	32.0	92.8	92.8	7.4	7.4	7.4	6.0					
					Middle	3.9	0.2	3	17.1	17.1	8.2	8.2	32.0	32.0	92.6	92.7	7.4	7.4	7.4	6.8					12
						3.9	0.2	357	17.1	17.1	8.2	8.2	32.0	32.0	92.7	92.7	7.4	7.4	7.4	6.8					11
					Bottom	6.8	0.2	345	17.1	17.1	8.2	8.2	31.9	31.9	93.0	93.1	7.4	7.4	7.4	7.0					10
						6.8	0.2	340	17.1	17.1	8.2	8.2	31.9	31.9	93.2	93.2	7.4	7.4	7.4	7.0					11

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**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA						
IM10	Fine	Moderate	07:26	7.2	Surface	1.0	0.4	292	17.6	17.6	8.3	8.3	32.3	32.3	95.1	95.1	7.5	7.5	5.6	5.6	11	12	822241	809861								
						1.0	0.4	295	17.6	17.6	8.3	8.3	32.3	32.3	95.1	95.1	7.5	7.5	5.6	5.6												
					Middle	3.6	0.4	290	17.5	17.5	8.3	8.3	32.2	32.2	95.7	95.7	7.5	7.5	5.9	5.9	12				5.9							
						3.6	0.4	293	17.5	17.5	8.3	8.3	32.1	32.1	95.7	95.7	7.5	7.5	6.0	6.0	11											
					Bottom	6.2	0.4	296	17.5	17.5	8.3	8.3	32.1	32.1	96.0	96.1	7.6	7.6	6.2	6.2	13				6.4							
						6.2	0.4	292	17.5	17.5	8.3	8.3	32.1	32.1	96.2	96.2	7.6	7.6	6.4	6.4	12											
					IM11	Fine	Moderate	07:20	8.2	Surface	1.0	0.5	270	17.8	17.8	8.3	8.3	32.5	32.5	95.6	95.7				7.5	7.5	5.8	5.8	10	11	821496	810568
											1.0	0.5	269	17.8	17.8	8.4	8.4	32.5	32.5	95.8	95.8				7.5	7.5	6.0	6.0	10			
Middle	4.1	0.5	270	17.7						17.7	8.4	8.4	32.5	32.5	96.1	96.1	7.5	7.5	6.6	6.6	10	6.9										
	4.1	0.5	273	17.7						17.7	8.4	8.4	32.5	32.5	96.1	96.1	7.5	7.5	7.1	7.1	11											
Bottom	7.2	0.5	272	17.7						17.7	8.4	8.4	32.5	32.4	96.8	96.9	7.6	7.6	7.8	7.8	11	8.0										
	7.2	0.5	269	17.7						17.7	8.4	8.4	32.4	32.4	97.0	97.0	7.6	7.6	8.0	8.0	11											
IM12	Fine	Moderate	07:13	8.8						Surface	1.0	0.5	273	18.0	18.0	8.2	8.2	32.4	32.3	92.9	92.9	7.3	7.3	8.1	8.1	10	11	821138	811529			
											1.0	0.4	277	18.0	18.0	8.2	8.2	32.3	32.3	92.9	92.9	7.3	7.3	8.8	8.8	10						
					Middle	4.4	0.5	295	17.9	17.9	8.2	8.2	32.3	32.3	92.8	92.8	7.3	7.3	9.7	9.7	10	9.7										
						4.4	0.5	302	17.9	17.9	8.2	8.2	32.3	32.3	92.8	92.8	7.3	7.3	9.8	9.8	11											
					Bottom	7.8	0.5	280	17.9	17.9	8.2	8.2	32.3	32.3	93.0	93.0	7.3	7.3	10.9	10.9	12	10.7										
						7.8	0.5	274	17.9	17.9	8.2	8.2	32.3	32.3	93.0	93.0	7.3	7.3	10.7	10.7	11											
					SR1A	Fine	Moderate	06:43	4.7	Surface	1.0	0.0	200	17.4	17.4	8.2	8.2	31.9	31.9	93.9	93.9	7.4	7.4	8.7	8.7	13				12	819978	812662
											1.0	-	201	17.4	17.4	8.2	8.2	31.9	31.9	93.9	93.9	7.4	7.4	9.0	9.0	12						
Middle	2.4	0.1	172	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.2								
	2.4	0.0	178	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Bottom	3.7	0.1	190	17.4						17.4	8.2	8.2	31.7	31.6	94.4	94.5	7.5	7.5	11.3	11.3	11	11.6										
	3.7	0.1	194	17.4						17.4	8.2	8.2	31.6	31.6	94.6	94.6	7.5	7.5	11.6	11.6	10											
SR2	Fine	Moderate	06:29	5.0						Surface	1.0	0.1	234	17.9	17.9	8.2	8.2	31.6	31.6	94.4	94.6	7.4	7.4	6.6	6.6	10	12	821444	814146			
											1.0	0.1	229	17.9	17.9	8.2	8.2	31.5	31.6	94.7	94.7	7.4	7.4	6.7	6.7	11						
					Middle	-	0.1	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2								
						-	0.1	245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	4.0	0.1	251	17.9	17.9	8.2	8.2	31.1	31.1	95.2	95.3	7.5	7.5	7.6	7.6	13	7.6										
						4.0	0.1	245	17.9	17.9	8.2	8.2	31.1	31.1	95.3	95.3	7.5	7.5	7.6	7.6	12											
					SR3	Fine	Moderate	07:57	8.5	Surface	1.0	0.3	332	17.5	17.5	8.2	8.2	32.0	32.0	94.5	94.6	7.5	7.5	6.3	6.3	10				13	822164	807563
											1.0	0.3	329	17.5	17.5	8.2	8.2	32.0	32.0	94.6	94.6	7.5	7.5	6.8	6.8	12						
Middle	4.3	0.3	336	17.4						17.4	8.2	8.2	32.0	32.0	95.0	95.1	7.5	7.5	9.6	9.6	13	9.0										
	4.3	0.3	340	17.4						17.4	8.3	8.3	32.0	32.0	95.1	95.1	7.5	7.5	9.0	9.0	13											
Bottom	7.5	0.3	357	17.4						17.4	8.3	8.3	32.1	32.1	96.3	96.3	7.7	7.7	11.2	11.2	13	11.1										
	7.5	0.3	354	17.4						17.4	8.3	8.3	32.1	32.1	96.8	96.8	7.7	7.7	11.1	11.1	14											
SR4A	Fine	Moderate	06:44	8.8						Surface	1.0	0.0	245	17.4	17.4	8.0	8.0	31.7	31.7	94.0	94.0	7.5	7.5	5.7	5.7	11	13	817207	807821			
											1.0	0.1	237	17.3	17.3	8.0	8.0	31.7	31.7	94.0	94.0	7.5	7.5	5.8	5.8	12						
					Middle	4.4	0.1	268	17.2	17.2	8.0	8.0	31.7	31.7	93.6	93.6	7.5	7.5	6.6	6.6	14	6.3										
						4.4	0.0	271	17.2	17.2	8.0	8.0	31.7	31.7	93.6	93.6	7.5	7.5	6.6	6.6	13											
					Bottom	7.8	0.0	232	17.2	17.2	8.0	8.0	31.7	31.7	93.6	93.6	7.5	7.5	6.6	6.6	15	6.7										
						7.8	0.1	234	17.2	17.2	8.0	8.0	31.7	31.7	93.6	93.6	7.5	7.5	6.7	6.7	14											
					SR8	Fine	Moderate	07:08	4.8	Surface	1.0	-	-	17.8	17.8	8.4	8.4	32.5	32.5	96.3	96.4	7.5	7.5	9.3	9.3	11				11	820386	811630
											1.0	-	-	17.8	17.8	8.4	8.4	32.5	32.5	96.5	96.5	7.6	7.6	9.8	9.8	11						
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.3								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Bottom	3.8	-	-	17.7						17.7	8.4	8.4	32.5	32.4	97.7	97.7	7.7	7.7	9.0	9.0	11	9.0										
	3.8	-	-	17.7						17.7	8.4	8.4	32.4	32.4	98.1	98.1	7.7	7.7	9.0	9.0	12											

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 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Fine	Moderate	13:46	8.2	Surface	1.0	0.1	192	18.0	18.0	7.9	7.9	35.1	35.1	96.7	96.7	7.4	7.4	9.2	11.7	11	13	815632	804235	
						1.0	0.1	193	18.0	18.0	7.9	7.9	35.1	35.1	96.7	96.7	7.4		10.0		12				
					Middle	4.1	0.1	184	18.0	18.0	7.9	7.9	35.1	35.1	96.8	96.8	7.4		7.4		12.3				13
						4.1	0.0	191	18.0	18.0	7.9	7.9	35.1	35.1	96.8	96.8	7.4		7.4		12.1				13
					Bottom	7.2	0.1	179	18.0	18.0	7.9	7.9	35.1	35.1	97.2	97.3	7.5		7.5		13.5				14
						7.2	0.1	185	17.9	18.0	7.9	7.9	35.1	35.1	97.3	97.3	7.5		7.5		13.3				14
C2	Fine	Moderate	12:10	11.0	Surface	1.0	0.2	4	17.8	17.8	7.9	7.9	34.9	34.9	95.4	95.4	7.4	7.4	8.1	8.7	11	12	825677	806945	
						1.0	0.1	359	17.8	17.8	7.9	7.9	34.9	34.9	95.3	95.4	7.4		7.4		8.1				12
					Middle	5.5	0.2	337	17.7	17.7	7.9	7.9	35.0	35.0	94.8	94.8	7.3		7.3		8.5				12
						5.5	0.2	339	17.7	17.7	7.9	7.9	35.0	35.0	94.7	94.7	7.3		7.3		8.8				12
					Bottom	10.0	0.2	328	17.7	17.7	7.9	7.9	35.0	35.0	94.9	94.9	7.3		7.3		9.5				12
						10.0	0.2	334	17.7	17.7	7.9	7.9	35.0	35.0	94.9	94.9	7.3		7.3		9.4				13
C3	Fine	Calm	13:23	8.4	Surface	1.0	0.2	87	18.2	18.2	7.8	7.8	32.5	32.5	93.3	93.5	7.3	7.4	3.4	4.5	12	10	822089	817798	
						1.0	0.1	85	18.1	18.2	7.8	7.8	32.5	32.5	93.6	93.5	7.3		7.4		3.5				11
					Middle	4.2	0.2	84	18.1	18.1	7.8	7.8	32.5	32.5	93.8	95.4	7.3		7.3		5.0				9
						4.2	0.1	84	18.1	18.1	7.8	7.8	32.5	32.5	97.0	97.0	7.6		7.6		5.0				10
					Bottom	7.4	0.2	74	18.1	18.1	7.8	7.8	32.4	32.4	98.2	98.6	7.7		7.7		5.1				7
						7.4	0.2	70	18.1	18.1	7.8	7.8	32.4	32.4	98.9	98.9	7.7		7.7		5.2				8
IM1	Fine	Moderate	13:22	6.7	Surface	1.0	0.0	76	17.6	17.6	7.9	7.9	34.9	34.9	95.9	95.9	7.4	7.4	9.7	9.9	13	13	818344	806438	
						1.0	0.1	81	17.6	17.6	7.9	7.9	34.9	34.9	95.9	95.9	7.4		7.4		10.0				14
					Middle	3.4	0.1	69	17.6	17.6	7.9	7.9	34.9	34.9	95.9	95.9	7.4		7.4		10.5				12
						3.4	0.0	61	17.6	17.6	7.9	7.9	34.9	34.9	95.9	95.9	7.4		7.4		10.2				13
					Bottom	5.7	0.1	83	17.7	17.7	7.9	7.9	34.9	34.9	96.1	96.2	7.4		7.4		9.9				12
						5.7	0.1	81	17.7	17.7	7.9	7.9	34.9	34.9	96.2	96.2	7.4		7.4		9.2				12
IM2	Fine	Moderate	13:11	7.2	Surface	1.0	0.0	64	17.7	17.7	7.9	7.9	34.9	34.9	96.3	96.3	7.4	7.4	12.6	12.6	14	13	819171	806220	
						1.0	0.0	64	17.7	17.7	7.9	7.9	34.9	34.9	96.2	96.3	7.4		7.4		12.8				14
					Middle	3.6	0.1	58	17.6	17.6	7.9	7.9	34.9	34.9	96.1	96.1	7.4		7.4		14.4				13
						3.6	0.1	57	17.6	17.6	7.9	7.9	34.9	34.9	96.1	96.1	7.4		7.4		14.4				12
					Bottom	6.2	0.0	37	17.6	17.6	7.9	7.9	34.9	34.9	96.5	96.6	7.5		7.5		10.7				12
						6.2	0.0	31	17.6	17.6	7.9	7.9	34.9	34.9	96.6	96.6	7.5		7.5		10.5				12
IM7	Fine	Moderate	12:49	7.9	Surface	1.0	0.2	66	17.5	17.5	7.9	7.9	34.9	34.9	96.9	97.0	7.5	7.6	7.4	9.4	11	13	821362	806812	
						1.0	0.2	61	17.4	17.5	7.9	7.9	34.9	34.9	97.0	97.0	7.5		7.6		12				
					Middle	4.0	0.2	74	17.4	17.4	7.9	7.9	34.9	34.9	97.9	98.0	7.6		7.6		9.8				13
						4.0	0.2	71	17.4	17.4	7.9	7.9	34.9	34.9	98.0	98.0	7.6		7.6		10.0				12
					Bottom	6.9	0.3	65	17.2	17.2	7.9	7.9	35.1	35.1	98.7	98.8	7.7		7.7		10.8				13
						6.9	0.2	64	17.1	17.2	7.9	7.9	35.1	35.1	98.9	98.8	7.7		7.7		10.7				14

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 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA										
IM10	Fine	Calm	12:15	9.4	Surface	1.0	0.1	321	17.5	17.5	7.8	7.8	32.6	32.6	96.6	96.6	7.6	7.6	8.1	8.1	14	15	822253	809840								
						1.0	0.1	322	17.5	7.8	7.8	32.6	32.6	96.6	96.6	7.6	7.6	8.1	8.1													
					Middle	4.7	0.1	347	17.3	17.3	7.8	7.8	32.5	32.5	96.7	96.7	7.6	7.6	9.1	9.1	16				16							
						4.7	0.1	342	17.3	7.8	7.8	32.5	32.5	96.6	96.6	7.6	7.6	9.1	9.1													
					Bottom	8.4	0.2	329	17.3	17.3	7.8	7.8	32.5	32.5	96.7	96.7	7.6	7.6	10.0	10.0	16				16							
						8.4	0.2	325	17.3	7.8	7.8	32.5	32.5	96.6	96.6	7.6	7.6	10.0	10.0													
					IM11	Fine	Calm	12:20	9.0	Surface	1.0	0.1	316	17.4	17.4	7.8	7.8	32.7	32.7	96.0	96.1				7.6	7.6	7.1	7.1	16	18	821508	810521
											1.0	0.1	315	17.4	7.8	7.8	32.7	32.7	96.2	96.1	7.6				7.6	7.1	7.1					
Middle	4.5	0.1	318	17.3						17.3	7.8	7.8	32.7	32.7	97.6	97.8	7.7	7.7	8.6	8.6	18	18										
	4.5	0.1	323	17.3						7.8	7.8	32.7	32.7	97.9	97.9	7.7	7.7	8.6	8.6													
Bottom	8.0	0.2	322	17.3						17.3	7.8	7.8	32.6	32.6	99.2	99.4	7.8	7.8	9.0	9.0	20	20										
	8.0	0.2	316	17.3						7.8	7.8	32.6	32.6	99.6	99.6	7.9	7.9	9.0	9.0													
IM12	Fine	Calm	12:27	9.2						Surface	1.0	0.1	318	17.4	17.4	7.8	7.8	32.6	32.6	95.8	95.8	7.6	7.6	6.2	6.2	20	22	821175	811528			
											1.0	0.1	312	17.4	7.8	7.8	32.6	32.6	95.7	95.7	7.6	7.6	6.4	6.4								
					Middle	4.6	0.0	309	17.2	17.2	7.8	7.8	32.6	32.6	96.6	96.8	7.6	7.6	8.0	8.0	22	22										
						4.6	0.1	312	17.2	7.8	7.8	32.6	32.6	97.0	97.0	7.7	7.7	8.0	8.0													
					Bottom	8.2	0.0	283	17.3	17.3	7.8	7.8	32.6	32.6	98.9	99.1	7.8	7.8	8.2	8.2	25	25										
						8.2	0.1	285	17.3	7.8	7.8	32.6	32.6	99.2	99.2	7.8	7.8	8.2	8.2													
					SR1A	Fine	Calm	12:49	5.0	Surface	1.0	0.0	3	17.5	17.5	7.8	7.8	32.6	32.6	94.6	94.7	7.4	7.4	3.9	3.9	20				23	819974	812660
											1.0	0.1	357	17.5	7.8	7.8	32.6	32.6	94.7	94.7	7.5	7.5	3.9	3.9								
Middle	2.5	0.1	344	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	-							
	2.5	0.0	337	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Bottom	4.0	0.0	338	17.5						17.5	7.8	7.8	32.5	32.5	95.4	95.6	7.5	7.5	4.2	4.2	25	25										
	4.0	-	341	17.5						7.8	7.8	32.5	32.5	95.7	95.7	7.5	7.5	4.2	4.2													
SR2	Fine	Calm	13:03	5.4						Surface	1.0	0.0	122	17.6	17.6	7.8	7.8	32.5	32.5	98.9	99.1	7.8	7.8	8.0	8.0	7	7	821483	814168			
											1.0	0.0	117	17.6	7.8	7.8	32.5	32.5	99.3	99.3	7.8	7.8	8.0	8.0								
					Middle	-	0.1	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-							
						-	0.1	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	4.4	0.1	121	17.5	17.5	7.8	7.8	32.5	32.5	101.0	101.4	7.9	7.9	7.9	7.9	8	8										
						4.4	0.0	123	17.5	7.8	7.8	32.5	32.5	101.8	101.8	8.0	8.0	7.9	7.9													
SR3	Fine	Moderate	12:43	8.9	Surface	1.0	0.1	43	17.5	17.5	7.9	7.9	34.9	34.9	95.9	95.9	7.4	7.4	10.2	10.2	12	14	822128	807567								
						1.0	0.1	45	17.5	7.9	7.9	34.9	34.9	95.9	95.9	7.4	7.4	10.2	10.2													
					Middle	4.5	0.2	43	17.4	17.4	7.9	7.9	34.9	34.9	95.7	95.7	7.4	7.4	9.2	9.2	13				13							
						4.5	0.2	48	17.4	7.9	7.9	34.9	34.9	95.7	95.7	7.4	7.4	10.0	10.0													
					Bottom	7.9	0.1	30	17.4	17.4	7.9	7.9	34.9	34.9	95.9	95.9	7.4	7.4	9.0	9.0	16				16							
						7.9	0.1	35	17.4	7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	9.9	9.9													
					SR4A	Fine	Moderate	14:09	9.1	Surface	1.0	0.0	51	17.5	17.5	7.9	7.9	34.9	34.9	96.1	96.1				7.5	7.5	10.0	10.0	10	11	817202	807804
											1.0	0.0	53	17.5	7.9	7.9	34.9	34.9	96.1	96.1	7.5				7.5	10.3	10.3					
Middle	4.6	0.0	59	17.5						17.5	7.9	7.9	34.9	34.9	95.7	95.7	7.4	7.4	10.0	10.0	11	11										
	4.6	0.1	57	17.4						7.9	7.9	34.9	34.9	95.6	95.6	7.4	7.4	9.1	9.1													
Bottom	8.1	0.0	66	17.4						17.4	7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	10.4	10.4	12	12										
	8.1	0.0	59	17.4						7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	10.6	10.6													
SR8	Fine	Calm	12:32	5.0	Surface	1.0	-	-	17.4	17.4	7.8	7.8	32.4	32.4	99.2	99.4	7.8	7.8	6.4	6.4	21	22	820401	811606								
						1.0	-	-	17.4	7.8	7.8	32.4	32.4	99.5	99.5	7.9	7.9	6.5	6.5													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-							
					Bottom	4.0	-	-	17.3	17.3	7.8	7.8	32.3	32.3	100.8	101.2	8.0	8.0	7.7	7.7	23				23							
						4.0	-	-	17.3	7.8	7.8	32.2	32.2	101.5	101.5	8.0	8.0	7.8	7.8	22	22											

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 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	08:06	8.2	Surface	1.0	0.3	45	17.5	17.5	8.0	8.0	34.9	34.9	97.0	97.0	7.5	7.5	10.5	12.7	12	12	815643	804257
						1.0	0.3	46	17.5	8.0	8.0	34.9	34.9	97.0	97.0	7.5	7.5	10.5	12					
					Middle	4.1	0.3	18	17.5	17.5	8.0	8.0	34.9	34.9	97.0	97.0	7.5	7.5	12.3	12				
						4.1	0.4	11	17.5	8.0	8.0	34.9	34.9	97.0	97.0	7.5	7.5	12.3	11					
					Bottom	7.2	0.4	35	17.5	17.5	8.0	8.0	34.9	34.9	97.2	97.2	7.5	7.5	15.8	11				
						7.2	0.4	35	17.5	8.0	8.0	34.9	34.9	97.2	97.2	7.5	7.5	15.1	11					
C2	Fine	Moderate	09:26	11.6	Surface	1.0	0.5	359	17.8	17.8	7.9	7.9	34.8	34.8	95.6	95.6	7.4	7.4	8.7	10.3	12	13	825670	806962
						1.0	0.5	354	17.8	7.9	7.9	34.8	34.8	95.6	95.6	7.4	7.4	8.8	13					
					Middle	5.8	0.5	7	17.7	17.7	7.9	7.9	35.0	35.0	94.8	94.8	7.3	7.3	9.9	14				
						5.8	0.5	12	17.7	7.9	7.9	35.0	35.0	94.8	94.8	7.3	7.3	9.2	13					
					Bottom	10.6	0.5	351	17.6	17.6	7.8	7.8	34.9	34.9	95.2	95.3	7.4	7.4	12.6	12				
						10.6	0.5	346	17.6	7.8	7.8	34.9	34.9	95.3	95.3	7.4	7.4	12.5	14					
C3	Fine	Calm	09:08	9.0	Surface	1.0	0.6	259	17.8	17.8	7.8	7.8	31.8	31.8	91.8	91.8	7.2	7.2	7.2	8.2	12	13	822102	817786
						1.0	0.5	257	17.8	7.8	7.8	31.8	31.8	91.8	91.8	7.2	7.2	7.2	12					
					Middle	4.5	0.6	279	17.8	17.8	7.8	7.8	31.7	31.7	92.1	92.2	7.2	7.2	8.3	13				
						4.5	0.6	278	17.8	7.8	7.8	31.7	31.7	92.2	92.2	7.3	7.3	8.3	14					
					Bottom	8.0	0.5	284	17.7	17.7	7.8	7.8	31.2	31.1	93.9	94.2	7.4	7.5	9.0	14				
						8.0	0.5	281	17.7	7.8	7.8	31.1	31.1	94.5	94.5	7.5	7.5	9.1	14					
IM1	Fine	Moderate	08:21	6.3	Surface	1.0	0.2	18	17.6	17.6	8.0	8.0	34.9	34.9	97.2	97.2	7.5	7.5	9.4	11.5	14	12	818367	806438
						1.0	0.2	14	17.6	8.0	8.0	34.9	34.9	97.2	97.2	7.5	7.5	9.0	12					
					Middle	3.2	0.3	16	17.6	17.6	8.0	8.0	34.9	34.9	97.4	97.4	7.6	7.6	10.4	12				
						3.2	0.3	17	17.6	8.0	8.0	34.9	34.9	97.4	97.4	7.6	7.6	10.0	12					
					Bottom	5.3	0.2	34	17.5	17.5	8.0	8.0	34.9	34.9	98.4	98.4	7.6	7.6	15.0	11				
						5.3	0.3	39	17.5	8.0	8.0	34.9	34.9	98.4	98.4	7.6	7.6	15.0	12					
IM2	Fine	Moderate	08:28	7.6	Surface	1.0	0.2	6	17.6	17.6	7.9	7.9	34.9	34.9	96.9	96.9	7.5	7.5	10.8	11.7	12	12	819189	806234
						1.0	0.2	358	17.5	7.9	7.9	34.9	34.9	96.9	96.9	7.5	7.5	10.3	11					
					Middle	3.8	0.3	12	17.5	17.5	7.9	7.9	34.9	34.9	97.1	97.2	7.5	7.5	12.3	12				
						3.8	0.3	6	17.5	7.9	7.9	34.9	34.9	97.2	97.2	7.5	7.5	12.1	13					
					Bottom	6.6	0.2	359	17.5	17.5	7.8	7.8	34.9	34.9	98.4	98.5	7.6	7.6	12.4	12				
						6.6	0.2	352	17.5	7.8	7.8	34.9	34.9	98.5	98.5	7.6	7.6	12.4	13					
IM7	Fine	Moderate	08:47	8.2	Surface	1.0	0.2	358	17.4	17.4	7.9	7.9	34.9	34.9	96.1	96.1	7.5	7.5	9.3	10.6	11	11	821340	806854
						1.0	0.2	351	17.4	7.9	7.9	34.9	34.9	96.0	96.0	7.5	7.5	9.5	11					
					Middle	4.1	0.2	0	17.3	17.3	7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	11.0	11				
						4.1	0.2	1	17.3	7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	11.1	11					
					Bottom	7.2	0.2	352	17.3	17.3	7.8	7.8	34.9	34.9	96.6	96.7	7.5	7.5	11.4	12				
						7.2	0.2	354	17.3	7.8	7.8	34.9	34.9	96.7	96.7	7.5	7.5	11.2	11					

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 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA						
IM10	Fine	Calm	10:17	7.8	Surface	1.0	0.4	308	17.1	17.1	7.8	7.8	32.4	32.4	97.1	97.3	7.7	7.8	5.0	6.4	14	15	822226	809831				
						1.0	0.3	302	17.1	7.8	7.8	32.4	32.4	97.4	97.3	7.7	7.8	5.1	6.4	14	15							
					Middle	3.9	0.4	294	17.1	7.8	7.8	32.4	32.4	99.3	99.6	7.9	7.8	6.2	6.4	15	15	15			15			
						3.9	0.4	299	17.1	7.8	7.8	32.4	32.4	99.8	99.6	7.9	7.8	6.2	6.4	15	15	15			15			
					Bottom	6.8	0.3	285	17.1	7.8	7.8	32.4	32.4	100.6	101.1	8.0	8.1	7.9	8.1	16	17	16			17			
						6.8	0.3	289	17.1	7.8	7.8	32.4	32.4	101.6	101.1	8.1	8.1	7.9	8.1	17	17	17			17			
IM11	Fine	Calm	10:12	7.0	Surface	1.0	0.4	278	17.2	17.2	7.8	7.8	32.4	32.4	95.8	95.9	7.6	7.7	7.7	8.3	19	17	821483	810532				
						1.0	0.3	271	17.2	7.8	7.8	32.4	32.4	95.9	95.9	7.6	7.7	7.7	8.3	19	17							
					Middle	3.5	0.4	297	17.2	7.8	7.8	32.4	32.4	96.8	96.9	7.7	7.7	8.1	8.1	17	17	17			17			
						3.5	0.4	297	17.2	7.8	7.8	32.4	32.4	96.9	96.9	7.7	7.7	8.1	8.1	17	17	17			17			
					Bottom	6.0	0.4	286	17.2	7.8	7.8	32.4	32.4	101.7	102.1	8.1	8.1	9.0	8.1	16	16	16			16			
						6.0	0.4	286	17.2	7.8	7.8	32.4	32.4	102.4	102.1	8.1	8.1	9.0	8.1	16	16	16			16			
IM12	Fine	Calm	10:07	9.0	Surface	1.0	0.4	291	17.3	17.3	7.8	7.8	32.4	32.4	95.3	95.4	7.5	7.7	7.3	8.3	11	9	821175	811507				
						1.0	0.4	292	17.3	7.8	7.8	32.4	32.4	95.4	95.4	7.6	7.7	7.3	8.3	10	9							
					Middle	4.5	0.5	295	17.2	7.8	7.8	32.4	32.4	98.4	98.7	7.8	7.7	8.7	8.0	9	9	9			9			
						4.5	0.4	297	17.2	7.8	7.8	32.4	32.4	99.0	98.7	7.8	7.7	8.7	8.0	9	9	9			9			
					Bottom	8.0	0.4	300	17.2	7.8	7.8	32.4	32.4	100.5	100.8	8.0	8.0	9.0	8.0	8	8	8			8			
						8.0	0.4	303	17.2	7.8	7.8	32.4	32.4	101.0	100.8	8.0	8.0	9.0	8.0	8	8	8			8			
SR1A	Fine	Calm	09:41	4.8	Surface	1.0	0.1	224	17.3	17.3	7.8	7.8	32.5	32.5	95.4	95.5	7.5	7.6	5.7	6.1	15	16	819974	812653				
						1.0	0.1	230	17.3	7.8	7.8	32.5	32.5	95.6	95.5	7.6	7.6	5.8	6.1	14	16							
					Middle	2.4	0.0	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	16	16
						2.4	0.1	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	16	16
					Bottom	3.8	0.0	239	17.3	7.8	7.8	32.5	32.5	97.7	99.2	7.7	7.9	6.5	7.9	18	17	18			17			
						3.8	0.0	235	17.3	7.8	7.8	32.5	32.5	100.7	99.2	8.0	7.9	6.5	7.9	17	17	17			17			
SR2	Fine	Calm	09:27	5.0	Surface	1.0	0.1	246	17.4	17.4	7.8	7.8	32.4	32.4	99.6	99.8	7.9	7.9	7.0	7.4	15	16	821462	814160				
						1.0	0.1	242	17.4	7.8	7.8	32.4	32.4	100.0	99.8	7.9	7.9	7.0	7.4	16	16							
					Middle	-	0.1	259	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	16	16
						-	0.1	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	16	16
					Bottom	4.0	0.1	237	17.3	7.8	7.8	32.3	32.3	105.9	106.2	8.4	8.4	7.9	8.4	16	17	16			17			
						4.0	0.1	233	17.3	7.8	7.8	32.3	32.3	106.5	106.2	8.4	8.4	7.9	8.4	17	17	17			17			
SR3	Fine	Moderate	08:55	8.5	Surface	1.0	0.3	346	17.4	17.4	7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	11.9	12.2	10	11	822144	807559				
						1.0	0.2	346	17.4	7.9	7.9	34.9	34.9	95.9	95.9	7.5	7.5	11.7	12.2	10	11							
					Middle	4.3	0.3	327	17.4	7.9	7.9	34.9	34.9	96.0	96.0	7.5	7.5	12.1	12.2	11	11	11			11			
						4.3	0.3	328	17.4	7.9	7.9	34.9	34.9	96.0	96.0	7.5	7.5	12.4	12.2	12	12	12			12			
					Bottom	7.5	0.3	320	17.4	7.9	7.8	34.9	34.9	96.6	96.7	7.5	7.5	12.4	12.5	12	12	12			12			
						7.5	0.3	319	17.4	7.8	7.8	34.9	34.9	96.7	96.7	7.5	7.5	12.5	12.5	12	12	12			12			
SR4A	Fine	Moderate	07:45	8.8	Surface	1.0	0.0	227	17.6	17.6	8.0	8.0	34.9	34.9	98.9	99.0	7.7	7.8	13.2	12.4	12	12	817207	807829				
						1.0	0.0	225	17.5	8.0	8.0	34.9	34.9	99.0	99.0	7.7	7.8	13.2	12.4	10	12							
					Middle	4.4	0.1	240	17.5	8.0	8.0	34.9	34.9	100.1	100.2	7.8	7.8	10.9	12.4	12	13	12			13			
						4.4	0.1	240	17.5	8.0	8.0	34.9	34.9	100.2	100.2	7.8	7.8	10.9	12.4	13	13	13			13			
					Bottom	7.8	0.0	226	17.4	8.0	8.0	34.9	34.9	101.2	101.3	7.9	7.9	13.3	13.2	13	13	13			13			
						7.8	0.0	220	17.4	8.0	8.0	34.9	34.9	101.3	101.3	7.9	7.9	13.2	13.2	13	13	13			13			
SR8	Fine	Calm	10:02	5.2	Surface	1.0	-	-	18.3	18.4	7.8	7.8	31.8	31.7	100.2	100.5	7.8	7.8	7.4	7.8	23	21	820400	811604				
						1.0	-	-	18.4	7.8	7.8	31.7	31.7	100.8	100.5	7.8	7.8	7.5	7.8	24	21							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	21	21
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	21	21
					Bottom	4.2	-	-	17.1	17.2	7.8	7.8	32.3	32.3	103.1	103.5	8.2	8.2	8.0	8.2	17	18			17	18		
						4.2	-	-	17.2	17.2	7.8	7.8	32.3	32.3	103.9	103.5	8.2	8.2	8.1	8.2	18	18			18	18		

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 27 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Fine	Calm	15:48	8.4	Surface	1.0	0.0	172	17.2	7.9	7.9	31.9	31.9	97.8	98.0	7.8	7.8	9.8	8.4	9.8	11	815642	804262		
						1.0	0.0	167	17.2	7.9	7.9	31.9	31.9	98.1	98.0	7.8									
					Middle	4.2	-	197	17.2	8.0	8.0	32.0	32.0	98.4	98.5	7.8								7.8	8.4
						4.2	-	198	17.2	8.0	8.0	32.0	32.0	98.5	98.5	7.8								7.8	9.9
					Bottom	7.4	0.0	204	17.2	8.0	8.0	32.0	32.0	99.3	99.4	7.9								7.9	11.0
						7.4	0.0	210	17.2	8.0	8.0	32.0	32.0	99.5	99.4	7.9								7.9	11.0
C2	Fine	Calm	14:47	8.8	Surface	1.0	0.0	358	17.0	7.9	7.9	31.6	31.6	93.9	94.0	7.5	7.5	10.7	9.8	10.7	11	825665	806967		
						1.0	0.0	358	17.0	7.9	7.9	31.6	31.6	94.0	94.0	7.5									
					Middle	4.4	0.0	11	17.0	8.0	8.0	31.6	31.6	94.5	94.6	7.5								7.5	11.0
						4.4	0.1	9	17.0	8.0	8.0	31.6	31.6	94.6	94.6	7.6								7.6	11.0
					Bottom	7.8	0.0	348	17.0	8.0	8.0	31.6	31.6	95.1	95.3	7.6								7.6	11.2
						7.8	0.0	345	17.0	7.9	8.0	31.6	31.6	95.4	95.3	7.6								7.6	11.2
C3	Sunny	Moderate	16:22	11.7	Surface	1.0	0.2	90	17.8	8.0	8.0	34.5	34.5	96.9	96.9	7.6	7.5	8.9	7.3	8.9	12	822096	817804		
						1.0	0.1	89	17.8	8.0	8.0	34.5	34.5	96.9	96.9	7.6									
					Middle	5.9	0.2	92	17.7	8.0	8.0	34.5	34.5	93.8	93.8	7.3								7.3	8.3
						5.9	0.2	85	17.7	8.0	8.0	34.5	34.5	93.8	93.8	7.3								7.3	8.3
					Bottom	10.7	0.1	90	17.7	8.0	8.0	34.5	34.5	93.1	93.1	7.2								7.2	11.1
						10.7	0.2	96	17.7	8.0	8.0	34.5	34.5	93.1	93.1	7.2								7.2	11.1
IM1	Fine	Calm	15:38	7.2	Surface	1.0	0.0	166	17.2	8.0	8.0	31.9	31.9	97.0	97.1	7.7	7.8	9.3	8.1	9.3	10	818371	806476		
						1.0	0.0	164	17.2	8.0	8.0	31.9	31.9	97.2	97.1	7.7									
					Middle	3.6	0.0	166	17.1	7.9	7.9	32.0	32.1	97.7	97.8	7.8								7.8	9.8
						3.6	0.0	163	17.0	7.9	7.9	32.1	32.1	97.9	97.8	7.8								7.8	9.8
					Bottom	6.2	0.1	176	16.8	7.9	7.9	32.2	32.2	98.8	99.0	7.9								7.9	10.0
						6.2	0.0	174	16.8	7.9	7.9	32.2	32.2	99.1	99.0	7.9								7.9	10.1
IM2	Fine	Calm	15:34	6.8	Surface	1.0	0.1	65	17.2	8.0	8.0	31.9	31.8	98.1	98.3	7.8	7.9	9.4	8.8	9.4	8	819187	806259		
						1.0	0.1	70	17.2	8.0	8.0	31.8	31.8	98.4	98.3	7.8									
					Middle	3.4	0.1	62	17.1	8.0	8.0	31.9	31.9	99.3	99.5	7.9								7.9	9.3
						3.4	0.0	67	17.0	8.0	8.0	32.0	32.0	99.6	99.5	7.9								7.9	9.3
					Bottom	5.8	0.1	53	17.0	8.0	8.0	32.0	32.0	100.4	100.5	8.0								8.0	10.1
						5.8	0.1	60	16.9	8.0	8.0	32.0	32.0	100.5	100.5	8.0								8.0	10.1
IM7	Fine	Calm	15:11	6.2	Surface	1.0	0.2	68	17.2	7.9	7.9	32.0	32.0	98.5	98.6	7.8	7.9	8.6	7.3	8.6	9	821340	806841		
						1.0	0.2	64	17.2	7.9	7.9	32.0	32.0	98.7	98.6	7.8									
					Middle	3.1	0.3	59	17.1	7.9	7.9	32.0	32.0	99.1	99.3	7.9								7.9	8.4
						3.1	0.2	55	17.1	7.9	7.9	32.0	32.0	99.4	99.3	7.9								7.9	8.4
					Bottom	5.2	0.2	70	17.1	8.0	8.0	31.9	31.9	100.2	100.5	8.0								8.0	10.0
						5.2	0.2	62	17.1	8.0	8.0	31.9	31.9	100.7	100.5	8.0								8.0	10.0

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 27 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Rough	14:39	8.6	Surface	1.0	0.1	30	17.5	7.9	7.9	34.2	34.2	96.6	96.7	7.5	7.5	9.0	11	11	822259	809823		
						1.0	0.1	35	17.5	7.9	7.9	34.2	34.2	96.7	96.7	7.5								
					Middle	4.3	0.1	49	17.5	7.9	7.9	34.3	34.3	95.8	95.8	7.5								
						4.3	0.1	48	17.5	7.9	7.9	34.3	34.3	95.7	95.7	7.5								
					Bottom	7.6	0.1	21	17.5	7.9	7.9	34.3	34.3	95.9	96.0	7.5								
						7.6	0.1	22	17.5	7.9	7.9	34.3	34.3	96.0	96.0	7.5								
IM11	Sunny	Rough	14:54	8.1	Surface	1.0	0.1	74	17.6	8.0	8.0	34.4	34.4	96.6	96.7	7.5	7.5	9.6	11	11	821494	810547		
						1.0	0.1	77	17.6	8.0	8.0	34.4	34.4	96.7	96.7	7.5								
					Middle	4.1	0.1	58	17.6	8.0	8.0	34.4	34.4	97.1	97.2	7.5								
						4.1	0.2	56	17.6	8.0	8.0	34.4	34.4	97.3	97.2	7.6								
					Bottom	7.1	0.1	60	17.6	8.0	8.0	34.4	34.4	98.2	98.3	7.6								
						7.1	0.1	64	17.6	8.0	8.0	34.4	34.4	98.3	98.3	7.6								
IM12	Sunny	Rough	15:01	8.5	Surface	1.0	0.1	80	17.5	8.0	8.0	34.4	34.4	96.1	96.1	7.5	7.5	8.6	10	10	821139	811524		
						1.0	0.1	79	17.5	8.0	8.0	34.4	34.4	96.1	96.1	7.5								
					Middle	4.3	0.0	86	17.5	8.0	8.0	34.4	34.4	96.3	96.3	7.5								
						4.3	0.1	89	17.5	8.0	8.0	34.4	34.4	96.3	96.3	7.5								
					Bottom	7.5	0.1	96	17.5	8.0	8.0	34.4	34.4	96.7	96.8	7.5								
						7.5	0.1	102	17.5	8.0	8.0	34.4	34.4	96.8	96.8	7.5								
SR1A	Sunny	Moderate	15:35	4.7	Surface	1.0	0.0	12	17.5	8.0	8.0	34.3	34.3	96.6	96.6	7.5	7.5	8.7	12	12	819981	812659		
						1.0	0.1	6	17.5	8.0	8.0	34.3	34.3	96.6	96.6	7.5								
					Middle	2.4	0.0	16	-	-	-	-	-	-	-	-								
						2.4	0.0	19	-	-	-	-	-	-	-	-								
					Bottom	3.7	0.0	18	17.4	8.0	8.0	34.3	34.3	98.2	98.2	7.7								
						3.7	0.0	13	17.4	8.0	8.0	34.3	34.3	98.2	98.2	7.7								
SR2	Sunny	Moderate	15:55	5.2	Surface	1.0	0.1	73	17.7	8.0	8.0	34.4	34.4	95.6	95.6	7.4	7.4	8.8	12	12	821450	814147		
						1.0	0.2	80	17.7	8.0	8.0	34.4	34.4	95.6	95.6	7.4								
					Middle	-	0.2	59	-	-	-	-	-	-	-	-								
						-	0.2	60	-	-	-	-	-	-	-	-								
					Bottom	4.2	0.2	77	17.5	8.0	8.0	34.4	34.4	94.8	94.9	7.4								
						4.2	0.2	69	17.5	8.0	8.0	34.4	34.4	94.9	94.9	7.4								
SR3	Fine	Calm	15:04	8.6	Surface	1.0	0.2	41	17.4	8.0	8.0	31.7	31.7	96.1	96.2	7.6	7.6	9.5	9	9	822165	807563		
						1.0	0.2	45	17.4	8.0	8.0	31.7	31.7	96.2	96.2	7.6								
					Middle	4.3	0.1	53	17.5	8.0	8.0	31.6	31.6	96.5	96.6	7.6								
						4.3	0.2	52	17.6	8.0	8.0	31.6	31.6	96.6	96.6	7.6								
					Bottom	7.6	0.1	55	17.7	7.9	7.9	31.5	31.5	97.3	97.6	7.7								
						7.6	0.1	50	17.8	7.9	7.9	31.4	31.5	97.8	97.6	7.7								
SR4A	Fine	Calm	16:01	8.4	Surface	1.0	0.0	89	17.2	8.0	8.0	32.0	32.0	98.6	98.7	7.8	7.9	8.6	10	10	817174	807787		
						1.0	0.1	83	17.2	8.0	8.0	32.0	32.0	98.7	98.7	7.8								
					Middle	4.2	0.0	77	17.2	8.0	8.0	32.0	32.0	99.7	99.8	7.9								
						4.2	0.0	74	17.2	8.0	8.0	32.0	32.0	99.9	99.9	7.9								
					Bottom	7.4	0.0	98	17.2	7.9	7.9	32.0	32.0	101.5	101.7	8.1								
						7.4	0.0	102	17.2	7.9	7.9	32.0	32.0	101.9	101.9	8.1								
SR8	Sunny	Moderate	15:07	5.4	Surface	1.0	-	-	17.6	8.0	8.0	34.3	34.3	96.9	96.9	7.5	7.5	9.7	10	10	820376	811616		
						1.0	-	-	17.6	8.0	8.0	34.3	34.3	96.9	96.9	7.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.4	-	-	17.6	8.0	8.0	34.4	34.4	97.1	97.2	7.6								
						4.4	-	-	17.6	8.0	8.0	34.4	34.4	97.3	97.3	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 27 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Fine	Calm	11:52	8.4	Surface	1.0	0.4	20	17.0	17.0	8.0	8.0	31.7	31.7	98.7	98.9	7.9	8.0	8.2	9.1	10	10	815639	804232		
						1.0	0.4	27	17.0		8.0		31.7		99.0		7.9		8.2		11					
					Middle	4.2	0.4	53	16.9	16.9	7.9	7.9	31.9	31.9	100.5	100.7	8.0	8.2	8.1	8.2	9.2				8.2	10
						4.2	0.4	47	16.8		7.9		32.0		100.9		8.1		9.2		10					
					Bottom	7.4	0.4	47	16.6	16.6	8.0	8.0	32.3	32.3	101.8	101.9	8.2	8.2	10.0	8.2	10.0				8.2	9
						7.4	0.4	46	16.5		8.0		32.3		102.0		8.2		10.1		8					
C2	Fine	Moderate	12:46	9.4	Surface	1.0	0.3	354	17.0	17.0	7.9	7.9	31.7	31.7	97.0	97.2	7.7	7.8	8.3	9.4	9	9	825669	806945		
						1.0	0.3	354	17.0		7.9		31.7		97.3		7.8		8.3		8					
					Middle	4.7	0.3	7	17.0	17.0	7.9	8.0	31.7	31.7	98.1	98.2	7.8	8.0	9.2	8.0	9.2				8.0	10
						4.7	0.2	1	17.0		8.0		31.7		98.3		7.9		9.2		8					
					Bottom	8.4	0.4	8	17.0	17.0	8.0	8.0	31.6	31.6	99.4	99.6	7.9	8.0	10.8	8.0	10.8				8.0	11
						8.4	0.3	8	17.0		8.0		31.6		99.8		8.0		10.8		10					
C3	Sunny	Moderate	09:47	10.4	Surface	1.0	0.5	258	17.8	17.8	7.9	7.9	34.4	34.4	94.7	94.7	7.3	7.3	5.2	8.3	12	11	822129	817823		
						1.0	0.5	256	17.8		7.9		34.4		94.6		7.3		5.2		12					
					Middle	5.2	0.5	286	17.6	17.6	7.9	7.9	34.4	34.4	93.3	93.3	7.3	7.3	9.4	7.2	9.4				7.2	11
						5.2	0.4	284	17.6		7.9		34.4		93.3		7.3		9.4		12					
					Bottom	9.4	0.5	270	17.5	17.5	7.9	7.9	34.4	34.4	93.0	93.0	7.2	7.2	10.3	7.2	10.3				7.2	10
						9.4	0.5	265	17.5		7.9		34.4		93.0		7.2		10.3		9					
IM1	Fine	Moderate	12:04	7.0	Surface	1.0	0.3	5	16.9	16.9	8.0	8.0	31.8	31.8	98.8	98.9	7.9	8.0	7.3	8.3	9	10	818362	806438		
						1.0	0.3	5	16.9		8.0		31.8		99.0		7.9		7.3		9					
					Middle	3.5	0.3	8	16.9	16.9	8.0	8.0	31.8	31.8	99.9	100.0	8.0	8.0	8.4	8.1	8.3				8.1	10
						3.5	0.3	7	16.9		8.0		31.8		100.1		8.0		8.3		10					
					Bottom	6.0	0.2	38	16.9	16.9	8.0	8.0	31.8	31.8	101.0	101.3	8.1	8.1	9.1	8.1	9.1				8.1	10
						6.0	0.2	35	16.9		8.0		31.8		101.6		8.1		9.1		10					
IM2	Fine	Moderate	12:07	7.6	Surface	1.0	0.3	5	17.0	17.0	8.0	8.0	31.8	31.8	97.6	97.7	7.8	7.9	7.6	8.3	13	11	819166	806225		
						1.0	0.3	4	17.0		8.0		31.8		97.7		7.8		7.6		12					
					Middle	3.8	0.3	9	16.9	16.9	8.0	8.0	31.8	31.8	98.5	98.6	7.9	7.9	8.1	8.1	8.1				8.1	12
						3.8	0.4	12	16.9		7.9		31.8		98.6		7.9		8.1		11					
					Bottom	6.6	0.3	356	16.9	16.9	7.9	7.9	31.8	31.8	99.9	100.3	8.0	8.1	9.1	8.1	9.1				8.1	10
						6.6	0.3	350	16.9		8.0		31.7		100.7		8.1		9.1		9					
IM7	Fine	Moderate	12:25	7.6	Surface	1.0	0.3	22	17.0	17.0	7.9	7.9	31.8	31.8	100.1	100.2	8.0	8.0	8.0	9.4	11	10	821358	806832		
						1.0	0.3	23	17.0		7.9		31.8		100.2		8.0		8.0		11					
					Middle	3.8	0.3	29	17.0	17.0	7.9	7.9	31.8	31.8	100.8	100.9	8.0	8.1	10.0	8.1	10.0				8.1	10
						3.8	0.3	23	17.0		7.9		31.8		101.0		8.1		10.0		10					
					Bottom	6.6	0.3	44	17.0	17.0	7.9	7.9	31.8	31.8	102.2	102.4	8.2	8.2	10.2	8.2	10.2				8.2	9
						6.6	0.3	48	17.0		7.9		31.8		102.5		8.2		10.2		10					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 27 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Sunny	Rough	11:15	8.1	Surface	1.0	0.2	290	17.5	17.5	7.9	7.9	34.3	34.3	95.7	95.7	7.4	7.4	7.3	7.3	10	10	822259	809830				
						1.0	0.2	285	17.5	7.9	7.9	34.3	34.3	95.6	95.7	7.4	7.4	7.3	7.3	11	11							
					Middle	4.1	0.3	289	17.5	7.9	7.9	34.3	34.3	95.2	95.2	7.4	7.4	9.4	9.4	9	9							
						4.1	0.3	291	17.5	7.9	7.9	34.3	34.3	95.2	95.2	7.4	7.4	9.5	9.5	10	10							
					Bottom	7.1	0.3	278	17.5	7.9	7.9	34.3	34.3	95.1	95.1	7.4	7.4	11.7	11.7	9	9							
						7.1	0.3	274	17.5	7.9	7.9	34.3	34.3	95.1	95.1	7.4	7.4	11.7	11.7	8	8							
IM11	Sunny	Moderate	11:04	7.4	Surface	1.0	0.4	265	17.7	17.7	7.9	7.9	34.4	34.4	96.5	96.5	7.5	7.5	5.5	5.5	9	9	821500	810557				
						1.0	0.4	259	17.6	7.9	7.9	34.4	34.4	96.5	96.5	7.5	7.5	5.5	5.5	9	9							
					Middle	3.7	0.3	273	17.6	7.9	7.9	34.4	34.4	96.2	96.2	7.5	7.5	7.0	7.0	11	11							
						3.7	0.3	279	17.6	7.9	7.9	34.4	34.4	96.2	96.2	7.5	7.5	7.0	7.0	11	11							
					Bottom	6.4	0.4	297	17.6	8.0	8.0	34.4	34.4	96.3	96.3	7.5	7.5	7.7	7.7	10	10							
						6.4	0.4	292	17.6	8.0	8.0	34.4	34.4	96.3	96.3	7.5	7.5	7.7	7.7	12	12							
IM12	Sunny	Moderate	10:58	7.1	Surface	1.0	0.3	282	17.6	17.6	8.0	8.0	34.4	34.4	95.9	95.9	7.5	7.5	8.6	8.6	12	12	821165	811528				
						1.0	0.4	285	17.6	8.0	8.0	34.4	34.4	95.9	95.9	7.5	7.5	8.6	8.6	13	13							
					Middle	3.6	0.4	293	17.5	8.0	8.0	34.4	34.4	95.6	95.6	7.4	7.4	12.4	12.4	11	11							
						3.6	0.4	287	17.5	8.0	8.0	34.4	34.4	95.6	95.6	7.4	7.4	12.5	12.5	11	11							
					Bottom	6.1	0.4	290	17.5	8.0	8.0	34.4	34.4	95.6	95.6	7.4	7.4	4.2	4.2	9	9							
						6.1	0.3	293	17.5	8.0	8.0	34.4	34.4	95.6	95.6	7.4	7.4	4.3	4.3	10	10							
SR1A	Sunny	Calm	10:22	3.3	Surface	1.0	0.0	187	17.6	17.6	7.9	7.9	34.5	34.5	96.1	96.2	7.5	7.5	5.8	5.8	13	13	819981	812659				
						1.0	0.0	189	17.6	7.9	7.9	34.5	34.5	96.2	96.2	7.5	7.5	5.8	5.8	13	13							
					Middle	1.7	0.0	186	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	13	13
						1.7	0.0	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	13	13
					Bottom	2.3	0.0	177	17.6	7.9	7.9	34.5	34.5	96.4	96.4	7.5	7.5	8.9	8.9	12	12							
						2.3	0.1	179	17.6	7.9	7.9	34.5	34.5	96.4	96.4	7.5	7.5	8.9	8.9	12	12							
SR2	Sunny	Moderate	10:08	3.8	Surface	1.0	0.1	272	17.6	17.6	7.9	7.9	34.4	34.4	96.6	96.6	7.5	7.5	8.2	8.3	14	15	821442	814187				
						1.0	0.1	276	17.6	7.9	7.9	34.4	34.4	96.6	96.6	7.5	7.5	8.3	8.3	15	15							
					Middle	-	0.0	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	13	13
						-	0.1	249	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	12	12
					Bottom	2.8	0.1	262	17.5	7.9	7.9	34.4	34.4	94.9	94.9	7.4	7.4	9.9	9.9	12	12							
						2.8	0.1	262	17.5	7.9	7.9	34.4	34.4	94.9	94.9	7.4	7.4	9.9	9.9	12	12							
SR3	Fine	Moderate	12:31	9.0	Surface	1.0	0.3	341	17.1	17.1	7.9	7.9	31.8	31.8	97.3	97.4	7.8	7.8	9.3	9.3	13	13	822127	807576				
						1.0	0.3	336	17.1	7.9	7.9	31.8	31.8	97.5	97.5	7.8	7.8	9.3	9.3	12	12							
					Middle	4.5	0.3	0	17.1	7.9	7.9	31.8	31.8	98.5	98.6	7.9	7.9	10.3	10.3	12	12							
						4.5	0.3	355	17.1	7.9	7.9	31.8	31.8	98.7	98.7	7.9	7.9	10.3	10.3	11	11							
					Bottom	8.0	0.3	339	17.1	7.9	7.9	31.8	31.8	99.7	99.7	7.9	7.9	11.1	11.1	12	12							
						8.0	0.3	343	17.1	7.9	7.9	31.8	31.8	100.2	100.0	8.0	8.0	11.0	11.0	11	11							
SR4A	Fine	Calm	11:33	9.0	Surface	1.0	0.0	147	17.1	17.1	8.0	8.0	32.0	32.0	94.4	94.4	7.5	7.5	7.0	7.1	11	12	817192	807809				
						1.0	0.0	151	17.1	8.0	8.0	32.0	32.0	94.4	94.4	7.5	7.5	7.1	7.1	12	12							
					Middle	4.5	0.0	147	17.1	7.9	7.9	32.0	32.0	94.6	94.7	7.5	7.5	8.6	8.7	11	11							
						4.5	0.0	140	17.1	7.9	7.9	32.0	32.0	94.7	94.7	7.5	7.5	8.7	8.7	10	10							
					Bottom	8.0	0.1	137	17.1	7.9	7.9	32.0	32.0	95.1	95.2	7.6	7.6	9.0	9.0	10	10							
						8.0	0.0	139	17.1	7.9	7.9	32.0	32.0	95.2	95.2	7.6	7.6	9.0	9.0	11	11							
SR8	Sunny	Calm	10:49	4.2	Surface	1.0	-	-	18.9	18.9	7.9	7.9	33.9	33.9	98.8	98.8	7.5	7.5	5.8	5.8	9	10	820402	811635				
						1.0	-	-	18.9	18.9	7.9	7.9	33.9	33.9	98.8	98.8	7.5	7.5	5.8	5.8	10	10						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	12	12
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	13	13
					Bottom	3.2	-	-	17.7	17.7	8.0	8.0	34.3	34.3	97.6	97.6	7.6	7.6	7.6	7.6	13	13						
						3.2	-	-	17.7	17.7	8.0	8.0	34.3	34.3	97.6	97.6	7.6	7.6	7.6	7.6	14	14						

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 29 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	18:45	8.7	Surface	1.0	0.2	211	17.6	7.9	7.9	34.3	34.3	95.1	95.1	7.4	7.4	10.9	8	9	815638	804225		
						1.0	0.2	213	17.6	7.9	7.9	34.3	34.3	95.0	95.1	7.4	7.4	10.2	9					
					Middle	4.4	0.3	191	17.6	7.9	7.9	34.3	34.3	94.9	94.9	7.4	7.4	11.8	9					
						4.4	0.3	187	17.6	7.9	7.9	34.3	34.3	94.8	94.9	7.4	7.4	12.6	9					
					Bottom	7.7	0.3	197	17.5	7.9	7.9	34.3	34.3	94.7	94.7	7.4	7.4	10.6	9					
						7.7	0.3	202	17.5	7.9	7.9	34.3	34.3	94.7	94.7	7.4	7.4	10.1	10					
C2	Cloudy	Rough	17:12	12.1	Surface	1.0	0.1	161	17.6	7.9	7.9	33.8	33.8	94.4	94.4	7.4	7.4	5.3	9	9	825670	806921		
						1.0	0.2	168	17.6	7.9	7.9	33.8	33.8	94.4	94.4	7.4	7.4	5.3	9					
					Middle	6.1	0.2	172	17.5	7.9	7.9	33.8	33.8	94.0	94.0	7.3	7.3	5.9	9					
						6.1	0.2	166	17.5	7.9	7.9	33.8	33.8	94.0	94.0	7.3	7.3	5.8	8					
					Bottom	11.1	0.1	183	17.5	7.9	7.9	33.8	33.8	94.2	94.3	7.4	7.4	5.8	8					
						11.1	0.1	177	17.5	7.9	7.9	33.8	33.8	94.3	94.3	7.4	7.4	5.7	8					
C3	Fine	Moderate	17:57	8.4	Surface	1.0	0.2	85	17.8	8.0	8.0	32.0	32.0	99.3	99.3	7.9	7.9	6.1	10	9	822123	817784		
						1.0	0.2	88	17.6	8.0	8.0	32.0	32.0	99.3	99.3	7.9	7.9	6.2	11					
					Middle	4.2	0.2	71	17.6	8.0	8.0	31.9	31.9	99.5	99.6	7.9	7.9	7.2	9					
						4.2	0.1	68	17.6	8.0	8.0	31.9	31.9	99.6	99.6	7.9	7.9	7.2	8					
					Bottom	7.4	0.2	95	17.6	8.0	8.0	31.9	31.9	99.8	99.9	7.9	7.9	7.9	8					
						7.4	0.3	97	17.8	8.0	8.0	31.9	31.9	99.9	99.9	7.9	7.9	7.9	8					
IM1	Cloudy	Rough	18:19	6.5	Surface	1.0	0.1	185	17.4	8.0	8.0	34.2	34.2	95.6	95.7	7.5	7.5	7.1	9	8	818351	806463		
						1.0	0.1	178	17.4	8.0	8.0	34.2	34.2	95.7	95.7	7.5	7.5	7.2	9					
					Middle	3.3	0.1	206	17.4	8.0	8.0	34.2	34.2	95.9	95.9	7.5	7.5	9.0	8					
						3.3	0.2	207	17.4	8.0	8.0	34.2	34.2	95.9	95.9	7.5	7.5	8.7	8					
					Bottom	5.5	0.2	170	17.4	8.0	8.0	34.2	34.2	96.3	96.4	7.5	7.5	8.2	8					
						5.5	0.1	170	17.4	8.0	8.0	34.2	34.2	96.5	96.5	7.5	7.5	8.2	7					
IM2	Cloudy	Rough	18:13	6.8	Surface	1.0	0.1	179	17.4	7.9	7.9	34.0	34.0	94.4	94.4	7.4	7.4	10.3	8	9	819191	806242		
						1.0	0.1	183	17.4	7.9	7.9	34.0	34.0	94.3	94.4	7.4	7.4	10.7	9					
					Middle	3.4	0.1	187	17.4	7.9	7.9	34.0	34.0	93.8	93.8	7.3	7.3	7.1	9					
						3.4	0.1	183	17.4	7.9	7.9	34.0	34.0	93.8	93.8	7.3	7.3	7.5	10					
					Bottom	5.8	0.1	182	17.4	7.9	7.9	34.0	34.0	93.7	93.7	7.3	7.3	8.7	9					
						5.8	0.1	188	17.4	7.9	7.9	34.0	34.0	93.7	93.7	7.3	7.3	8.6	10					
IM7	Cloudy	Rough	17:49	7.7	Surface	1.0	0.1	126	17.6	7.9	7.9	34.0	34.0	94.0	94.0	7.3	7.3	8.1	10	8	821333	806851		
						1.0	0.0	120	17.6	7.9	7.9	34.0	34.0	94.0	94.0	7.3	7.3	8.1	11					
					Middle	3.9	0.1	130	17.5	7.9	7.9	34.0	34.0	93.2	93.2	7.3	7.3	8.4	7					
						3.9	0.1	124	17.5	7.9	7.9	34.0	34.0	93.1	93.1	7.3	7.3	8.4	8					
					Bottom	6.7	0.1	134	17.5	7.9	7.9	34.0	34.0	92.9	92.9	7.2	7.2	8.2	7					
						6.7	0.1	139	17.5	7.9	7.9	34.0	34.0	92.8	92.8	7.2	7.2	8.3	7					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 December 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
IM10	Fine	Moderate	16:58	9.4	Surface	1.0	0.2	94	17.8	17.8	8.0	8.0	31.9	31.9	99.9	99.9	7.9	7.9	5.0	6.4	10	11	822216	809833							
						1.0	0.2	88	17.8		8.0	8.0	31.9	31.9	99.9	99.9	7.9		5.1		9										
					Middle	4.7	0.2	63	17.8	17.8	8.0	8.0	31.9	31.9	100.1	100.2	7.9	7.9	6.1	7.9	11				7.9	10	7.9	11	7.9		
						4.7	0.2	63	17.8		8.0	8.0	31.9	31.9	100.2	100.3	7.9		6.1		10										
					Bottom	8.4	0.2	82	17.8	17.8	8.0	8.0	31.9	31.9	100.3	100.3	7.9	7.9	8.0	7.9	13				7.9	8.0	7.9	13	7.9	11	7.9
						8.4	0.1	84	17.8		8.0	8.0	31.9	31.9	100.3	100.3	7.9		8.0		12										
IM11	Fine	Moderate	17:02	8.8	Surface	1.0	0.2	82	17.8	17.8	8.1	8.1	32.0	32.0	98.5	98.5	7.8	7.8	6.9	7.6	10	9	821486	810525							
						1.0	0.2	81	17.8		8.1	8.1	32.0	32.0	98.4	98.5	7.8		7.0		9										
					Middle	4.4	0.2	75	17.7	17.7	8.1	8.1	32.0	32.0	98.3	98.3	7.8	7.8	7.2	7.8	9				7.8	7.2	7.8	9	7.8	9	7.8
						4.4	0.1	67	17.7		8.1	8.1	32.0	32.0	98.2	98.3	7.8		7.2		9										
					Bottom	7.8	0.2	63	17.8	17.8	8.1	8.1	32.0	32.0	98.1	98.2	7.8	7.8	8.5	7.8	9				7.8	8.5	7.8	9	7.8	9	7.8
						7.8	0.2	64	17.8		8.1	8.1	32.0	32.0	98.2	98.2	7.8		8.6		8										
IM12	Fine	Moderate	17:09	9.0	Surface	1.0	0.2	103	17.7	17.7	8.0	8.0	32.0	32.0	99.0	99.0	7.9	7.9	4.5	5.6	8	8	821138	811529							
						1.0	0.2	106	17.7		8.0	8.0	32.0	32.0	99.0	99.0	7.9		4.5		8										
					Middle	4.5	0.2	92	17.7	17.7	8.0	8.0	32.0	32.0	98.9	98.9	7.9	7.9	5.7	7.9	8				7.9	5.7	7.9	8	7.9	8	7.9
						4.5	0.2	90	17.7		8.0	8.0	32.0	32.0	98.9	98.9	7.9		5.6		9										
					Bottom	8.0	0.2	115	17.7	17.7	8.0	8.0	32.0	32.0	98.8	98.8	7.8	7.8	6.8	7.8	8				7.8	6.8	7.8	8	7.8	8	7.8
						8.0	0.2	120	17.7		8.0	8.0	32.0	32.0	98.8	98.8	7.8		6.8		9										
SR1A	Fine	Moderate	17:26	5.0	Surface	1.0	-	52	17.6	17.7	8.0	8.0	32.0	32.0	98.9	98.9	7.9	7.9	6.6	7.0	9	10	819971	812661							
						1.0	0.0	58	17.8		8.1	8.0	32.0	32.0	98.9	98.9	7.8		6.5		8										
					Middle	2.5	0.0	52	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
						2.5	0.0	48	-		-	-	-	-	-	-	-	-	-	-					-						
					Bottom	4.0	0.0	57	17.8	17.8	8.1	8.1	32.0	31.9	98.8	98.8	7.8	7.8	7.5	7.8	11				7.8	7.5	7.8	11	7.8	10	7.8
						4.0	0.0	53	17.8		8.1	8.1	31.9	31.9	98.8	98.8	7.8		7.5		10										
SR2	Fine	Moderate	17:36	5.6	Surface	1.0	0.1	53	17.8	17.7	8.0	8.0	32.0	32.0	99.1	99.1	7.9	7.9	4.3	4.7	10	10	821457	814147							
						1.0	0.1	59	17.6		8.0	8.0	32.0	32.0	99.1	99.1	7.9		4.3		11										
					Middle	-	0.1	68	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	
						-	0.1	75	-		-	-	-	-	-	-	-	-	-												
					Bottom	4.6	0.1	82	17.6	17.6	8.0	8.0	32.0	32.0	99.1	99.1	7.9	7.9	5.2	7.9	8				7.9	5.2	7.9	8	7.9	10	7.9
						4.6	0.1	82	17.6		8.0	8.0	32.0	32.0	99.1	99.1	7.9		5.1		10										
SR3	Cloudy	Rough	17:40	8.7	Surface	1.0	0.2	159	17.7	17.7	7.9	7.9	34.0	34.0	94.7	94.7	7.4	7.3	6.3	7.4	7	8	822158	807569							
						1.0	0.2	162	17.7		7.9	7.9	34.0	34.0	94.6	94.7	7.3		6.6		8										
					Middle	4.4	0.2	148	17.6	17.6	7.9	7.9	34.1	34.1	93.9	93.9	7.3	7.3	7.8	7.3	8				7.3	7.8	7.3	8	7.3	9	7.3
						4.4	0.2	141	17.6		7.9	7.9	34.1	34.1	93.9	93.9	7.3		7.9		9										
					Bottom	7.7	0.2	139	17.6	17.6	8.0	8.0	34.1	34.1	93.6	93.6	7.3	7.3	8.0	7.3	9				7.3	8.0	7.3	9	7.3	9	7.3
						7.7	0.1	133	17.6		8.0	8.0	34.1	34.1	93.5	93.6	7.3		8.1		9										
SR4A	Cloudy	Rough	19:16	8.8	Surface	1.0	0.0	295	17.5	17.5	7.9	7.9	34.2	34.2	95.5	95.5	7.4	7.4	8.3	8.9	15	13	817177	807814							
						1.0	0.0	292	17.5		7.9	7.9	34.2	34.2	95.4	95.5	7.4		8.3		14										
					Middle	4.4	0.0	297	17.5	17.5	7.9	7.9	34.2	34.2	95.2	95.2	7.4	7.4	8.9	7.4	13				7.4	8.9	7.4	13	7.4	12	7.4
						4.4	-	294	17.5		7.9	7.9	34.2	34.2	95.1	95.1	7.4		9.0		12										
					Bottom	7.8	0.0	332	17.5	17.5	7.9	7.9	34.2	34.2	95.1	95.1	7.4	7.4	9.3	7.4	13				7.4	9.3	7.4	13	7.4	12	7.4
						7.8	0.1	339	17.5		7.9	7.9	34.2	34.2	95.1	95.1	7.4		9.3		12										
SR8	Fine	Moderate	17:13	4.8	Surface	1.0	-	-	17.8	17.8	8.0	8.0	31.9	31.9	99.7	99.7	7.9	7.9	4.6	5.1	11	10	820410	811638							
						1.0	-	-	17.8		8.0	8.0	31.9	31.9	99.7	99.7	7.9		4.6		12										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-												
					Bottom	3.8	-	-	17.7	17.7	8.0	8.0	32.0	32.0	99.7	99.7	7.9	7.9	5.5	7.9	9				7.9	5.5	7.9	9	7.9	8	7.9
						3.8	-	-	17.7		8.0	8.0	32.0	32.0	99.6	99.6	7.9		5.5		8										

DA: Depth-Averaged

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Rough	12:30	8.2	Surface	1.0	0.3	47	17.4	17.4	8.0	8.0	34.2	34.2	92.7	92.7	7.2	7.2	14.8	14.0	10	10	815612	804262		
						1.0	0.3	52	17.4		8.0		34.2		92.6		7.2		15.1		9					
					Middle	4.1	0.3	22	17.4	17.4	7.9	7.9	34.2	34.2	91.9	91.9	7.2	7.2	10.6	7.3	10	6.4			10	10
						4.1	0.3	27	17.4		7.9		34.2		91.8		7.2		10.6		11					
					Bottom	7.2	0.3	32	17.4	17.4	7.9	7.9	34.2	34.2	91.0	90.9	7.1	7.1	16.2	7.3	11	6.3			11	11
						7.2	0.3	24	17.4		7.9		34.2		90.8		7.1		16.8		11					
C2	Cloudy	Rough	13:56	11.6	Surface	1.0	0.3	346	17.5	17.5	7.9	7.9	33.8	33.8	93.9	93.8	7.3	7.3	5.5	6.4	8	10	825678	806950		
						1.0	0.3	352	17.5		7.9		33.8		93.7		7.3		5.9		9					
					Middle	5.8	0.4	337	17.5	17.5	7.9	7.9	33.8	33.8	93.1	93.1	7.3	7.3	6.9	7.3	10	6.3			10	10
						5.8	0.4	332	17.5		7.9		33.8		93.0		7.3		6.9		10					
					Bottom	10.6	0.3	7	17.5	17.5	7.9	7.9	33.8	33.8	93.0	93.0	7.3	7.3	6.9	7.3	11	6.3			11	11
						10.6	0.3	10	17.5		7.9		33.8		92.9		7.3		6.5		11					
C3	Fine	Moderate	11:12	10.0	Surface	1.0	0.4	256	17.6	17.6	8.0	8.0	31.8	31.8	103.4	103.4	8.2	8.1	5.4	6.3	12	13	822109	817804		
						1.0	0.3	252	17.6		8.0		31.8		103.3		8.1		5.4		12					
					Middle	5.0	0.4	281	17.8	17.8	8.0	8.0	31.8	31.8	103.3	103.3	8.1	8.1	6.4	8.1	13	6.3			13	13
						5.0	0.4	281	17.8		8.0		31.8		103.2		8.1		6.4		12					
					Bottom	9.0	0.4	250	17.8	17.8	8.0	8.0	31.8	31.8	103.1	103.1	8.1	8.1	7.2	8.1	15	6.3			15	15
						9.0	0.5	247	17.8		8.0		31.8		103.1		8.1		7.2		14					
IM1	Cloudy	Rough	12:52	6.8	Surface	1.0	0.2	16	17.5	17.5	7.9	7.9	34.1	34.1	92.2	92.2	7.2	7.2	10.0	10.5	13	11	818371	806444		
						1.0	0.2	21	17.5		7.9		34.1		92.1		7.2		10.1		12					
					Middle	3.4	0.2	27	17.4	17.4	7.9	7.9	34.1	34.1	91.1	91.0	7.1	7.1	10.4	7.4	10	11.0			10	11
						3.4	0.2	30	17.4		7.9		34.1		90.8		7.1		10.7		11					
					Bottom	5.8	0.2	358	17.4	17.4	7.9	7.9	34.1	34.1	89.7	89.7	7.0	7.0	10.8	7.4	11	11.0			11	11
						5.8	0.1	355	17.4		7.9		34.1		89.6		7.0		10.9		11					
IM2	Cloudy	Rough	12:58	6.7	Surface	1.0	0.2	29	17.5	17.5	7.9	7.9	34.0	34.0	94.8	94.8	7.4	7.4	11.1	11.0	12	11	819161	806247		
						1.0	0.2	22	17.4		7.9		34.0		94.7		7.4		11.3		13					
					Middle	3.4	0.2	26	17.4	17.4	7.9	7.9	34.0	34.0	93.2	93.1	7.3	7.3	12.0	7.4	12	11.0			12	11
						3.4	0.2	28	17.4		7.9		34.0		93.0		7.3		12.3		12					
					Bottom	5.7	0.3	23	17.3	17.3	7.9	7.9	34.0	34.0	91.5	91.4	7.2	7.2	10.0	7.2	9	11.0			9	11
						5.7	0.3	25	17.3		7.9		34.0		91.3		7.1		9.1		10					
IM7	Cloudy	Rough	13:19	8.3	Surface	1.0	0.2	24	17.6	17.6	7.9	7.9	34.0	34.0	93.3	93.2	7.3	7.3	8.1	8.6	10	11	821368	806855		
						1.0	0.2	25	17.6		7.9		34.0		93.1		7.3		8.1		10					
					Middle	4.2	0.2	16	17.5	17.5	7.9	7.9	34.0	34.0	92.6	92.6	7.2	7.2	8.4	7.3	11	8.6			11	11
						4.2	0.2	17	17.5		7.9		34.0		92.5		7.2		8.5		10					
					Bottom	7.3	0.2	358	17.5	17.5	7.9	7.9	34.0	34.0	91.9	91.9	7.2	7.2	9.1	7.2	12	8.6			12	11
						7.3	0.2	358	17.5		7.9		34.0		91.8		7.2		9.6		11					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 29 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Fine	Moderate	12:13	7.6	Surface	1.0	0.3	271	17.8	17.8	8.0	8.0	31.9	31.9	99.8	99.9	7.9	7.9	6.0	7.1	12	10	822255	809825			
						1.0	0.4	278	17.8		8.0	8.0	31.9	31.9	99.9	99.9	7.9		6.1								
					Middle	3.8	0.4	296	17.8	8.0	8.0	31.9	31.9	99.9	99.9	7.9	7.2	10									
						3.8	0.3	291	17.8	8.0	8.0	31.9	31.9	99.9	99.9	7.9	7.2	10									
					Bottom	6.6	0.3	281	17.8	8.0	8.0	31.8	31.8	100.2	100.3	7.9	8.0	8.1	9								
						6.6	0.3	280	17.8	8.0	8.0	31.8	31.8	100.3	100.3	8.0	8.0	8.1	9								
IM11	Fine	Moderate	12:06	7.0	Surface	1.0	0.4	268	17.8	17.8	8.0	8.0	32.0	32.0	99.9	99.9	7.9	7.9	6.4	7.3	10	10	821515	810531			
						1.0	0.4	263	17.8		8.0	8.0	32.0	32.0	99.8	99.9	7.9		6.4								
					Middle	3.5	0.4	266	17.8	8.0	8.0	32.0	32.0	99.8	99.8	7.9	7.1	10									
						3.5	0.5	265	17.8	8.0	8.0	32.0	32.0	99.7	99.7	7.9	7.1	9									
					Bottom	6.0	0.4	262	17.8	8.0	8.0	31.9	31.9	99.7	99.7	7.9	7.9	8.3	9								
						6.0	0.4	265	17.8	8.0	8.0	31.9	31.9	99.6	99.6	7.9	7.9	8.3	9								
IM12	Fine	Moderate	12:01	9.2	Surface	1.0	0.4	283	17.8	17.8	8.0	8.0	31.9	31.9	102.1	102.1	8.1	8.1	6.6	7.5	9	9	821184	811517			
						1.0	0.4	277	17.8		8.0	8.0	31.9	31.9	102.1	102.1	8.1		6.6								
					Middle	4.6	0.4	274	17.8	8.0	8.0	31.9	31.9	102.1	102.1	8.1	7.2	8									
						4.6	0.4	268	17.8	8.0	8.0	31.9	31.9	102.1	102.1	8.1	7.2	9									
					Bottom	8.2	0.4	296	17.8	8.0	8.0	31.9	31.9	102.1	102.1	8.1	8.1	8.8	8								
						8.2	0.4	290	17.8	8.0	8.0	31.9	31.9	102.1	102.1	8.1	8.1	8.8	7								
SR1A	Fine	Moderate	11:41	4.8	Surface	1.0	0.1	182	17.7	17.7	8.0	8.0	31.9	31.9	99.4	99.4	7.9	7.9	5.1	5.5	11	10	819973	812664			
						1.0	0.1	180	17.7		8.0	8.0	31.9	31.9	99.4	99.4	7.9		5.0								
					Middle	2.4	0.1	183	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.4	0.1	183	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.8	0.0	173	17.7	8.1	8.1	31.9	31.9	99.5	99.7	7.9	7.9	6.0	9								
						3.8	0.0	168	17.7	8.1	8.1	31.9	31.9	99.9	99.9	7.9	7.9	5.9	10								
SR2	Fine	Moderate	11:27	5.2	Surface	1.0	0.1	265	17.8	17.8	8.0	8.0	31.9	31.9	103.4	103.4	8.1	8.1	7.1	7.9	9	10	821455	814174			
						1.0	0.1	260	17.8		8.0	8.0	31.9	31.9	103.4	103.4	8.1		7.1								
					Middle	-	0.1	264	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.1	268	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	0.1	243	17.6	8.0	8.0	31.9	31.9	103.5	103.6	8.1	8.2	8.8	10								
						4.2	0.1	250	17.6	8.0	8.0	31.9	31.9	103.6	103.6	8.2	8.2	8.7	11								
SR3	Cloudy	Rough	13:27	9.2	Surface	1.0	0.3	341	17.6	17.6	7.9	7.9	34.1	34.1	92.6	92.6	7.2	7.2	9.6	10.5	9	10	822148	807573			
						1.0	0.3	341	17.6		7.9	7.9	34.1	34.1	92.6	92.6	7.2		9.6								
					Middle	4.6	0.3	330	17.5	7.9	7.9	34.1	34.1	92.1	92.0	7.2	7.2	10.6	10								
						4.6	0.3	327	17.5	7.9	7.9	34.1	34.1	91.9	91.5	7.2	7.2	10.7	10								
					Bottom	8.2	0.3	2	17.5	7.9	7.9	34.1	34.1	91.5	91.5	7.1	7.1	11.2	10								
						8.2	0.3	4	17.5	7.9	7.9	34.1	34.1	91.5	91.5	7.1	7.1	11.3	10								
SR4A	Cloudy	Rough	12:03	8.6	Surface	1.0	0.0	247	17.7	17.7	8.0	8.0	34.2	34.2	93.2	93.2	7.2	7.2	7.1	7.2	9	10	817168	807830			
						1.0	0.0	239	17.7		8.0	8.0	34.2	34.2	93.2	93.2	7.2		7.2		8						
					Middle	4.3	0.0	232	17.6	8.0	8.0	34.2	34.2	93.1	93.1	7.2	7.2	7.3	10								
						4.3	0.1	225	17.6	8.0	8.0	34.2	34.2	93.0	93.0	7.2	7.2	7.3	9								
					Bottom	7.6	0.1	238	17.6	8.0	8.0	34.2	34.2	93.0	93.1	7.2	7.2	7.2	11								
						7.6	0.1	235	17.7	8.0	8.0	34.2	34.2	93.1	93.1	7.2	7.2	7.0	10								
SR8	Fine	Moderate	11:58	5.0	Surface	1.0	-	-	17.8	17.8	8.0	8.0	31.9	31.9	101.7	101.7	8.1	8.1	6.4	6.8	8	9	820374	811635			
						1.0	-	-	17.8		8.0	8.0	31.9	31.9	101.7	101.7	8.1		6.4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.0	-	-	17.7	8.0	8.0	32.0	32.0	101.6	101.6	8.1	8.1	7.2	10								
						4.0	-	-	17.7	8.0	8.0	32.0	32.0	101.6	101.6	8.1	8.1	7.1	11								

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 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Fine	Rough	06:30	7.7	Surface	1.0	0.3	216	16.4	16.4	7.9	7.9	32.1	32.1	96.1	96.1	7.8	7.8	6.3	7.2	5	6	-	-	-	-	-	-	-	-	-				
						1.0	0.2	209	16.4	16.4	7.9	7.9	32.1	32.1	96.1	96.1	7.8	7.8	6.4	7.2	6	6	-	-	-	-	-	-	-	-	-	-	-		
						3.9	0.3	189	16.3	16.3	7.9	7.9	32.1	32.1	95.6	95.6	7.8	7.8	7.3	7.2	4	6	-	-	-	-	-	-	-	-	-	-	-	-	
					3.9	0.3	188	16.3	16.3	7.9	7.9	32.1	32.1	95.6	95.6	7.8	7.8	7.3	7.2	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					6.7	0.2	188	16.3	16.3	7.9	7.9	32.1	32.1	95.7	95.7	7.8	7.8	8.0	7.8	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					6.7	0.2	181	16.3	16.3	7.9	7.9	32.1	32.1	95.7	95.7	7.8	7.8	8.1	7.8	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	Fine	Rough	08:17	8.8	Surface	1.0	0.5	184	17.1	17.1	7.8	7.8	31.8	31.8	94.7	94.7	7.6	7.6	2.6	4.1	5	6	-	-	-	-	-	-	-	-	-				
						1.0	0.5	179	17.1	17.1	7.8	7.8	31.8	31.8	94.6	94.6	7.6	7.6	2.6	4.1	5	6	-	-	-	-	-	-	-	-	-	-	-		
						4.4	0.6	170	17.0	17.0	7.8	7.8	31.9	31.9	92.8	92.9	7.5	7.5	4.0	4.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
					4.4	0.5	171	17.0	17.0	7.8	7.8	31.9	31.9	92.8	92.9	7.5	7.5	4.0	4.1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					7.8	0.5	179	17.0	17.0	7.9	7.9	31.9	31.9	92.0	92.0	7.4	7.4	5.8	4.1	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					7.8	0.5	182	17.0	17.0	7.9	7.9	31.9	31.9	92.0	92.0	7.4	7.4	5.9	4.1	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	Fine	Calm	07:20	10.4	Surface	1.0	0.2	83	17.7	17.7	7.7	7.7	34.8	34.8	87.5	87.5	6.8	6.8	1.5	2.1	6	7	-	-	-	-	-	-	-	-	-				
						1.0	0.2	90	17.7	17.7	7.7	7.7	34.8	34.8	87.5	87.5	6.8	6.8	1.5	2.1	5	7	-	-	-	-	-	-	-	-	-	-	-		
						5.2	0.3	84	17.8	17.8	7.7	7.7	34.8	34.8	87.4	87.4	6.8	6.8	2.3	2.1	6	7	-	-	-	-	-	-	-	-	-	-	-		
					5.2	0.3	80	17.8	17.8	7.7	7.7	34.8	34.8	87.4	87.4	6.8	6.8	2.4	2.1	7	7	-	-	-	-	-	-	-	-	-	-	-	-		
					9.4	0.3	72	17.8	17.8	7.7	7.7	34.8	34.8	87.4	87.4	6.8	6.8	2.4	2.1	8	7	-	-	-	-	-	-	-	-	-	-	-	-		
					9.4	0.3	77	17.8	17.8	7.7	7.7	34.8	34.8	87.4	87.4	6.8	6.8	2.4	2.1	7	7	-	-	-	-	-	-	-	-	-	-	-	-		
IM1	Fine	Moderate	06:58	6.5	Surface	1.0	0.2	194	16.4	16.4	7.9	7.9	32.1	32.1	95.0	95.0	7.8	7.8	5.6	7.3	6	7	-	-	-	-	-	-	-	-	-				
						1.0	0.2	195	16.4	16.4	7.9	7.9	32.1	32.1	95.0	95.0	7.8	7.8	5.6	7.3	6	7	-	-	-	-	-	-	-	-	-	-			
						3.3	0.2	171	16.4	16.4	7.9	7.9	32.1	32.1	94.9	94.9	7.8	7.8	6.6	7.3	6	7	-	-	-	-	-	-	-	-	-	-			
					3.3	0.2	170	16.4	16.4	7.9	7.9	32.1	32.1	94.9	94.9	7.8	7.8	6.6	7.3	7	7	-	-	-	-	-	-	-	-	-	-	-			
					5.5	0.2	178	16.4	16.4	7.9	7.9	32.1	32.1	94.9	94.9	7.8	7.8	9.8	7.3	8	7	-	-	-	-	-	-	-	-	-	-	-			
					5.5	0.2	174	16.4	16.4	7.9	7.9	32.1	32.1	94.9	94.9	7.8	7.8	9.8	7.3	7	7	-	-	-	-	-	-	-	-	-	-	-			
IM2	Fine	Moderate	07:07	6.9	Surface	1.0	0.2	215	16.5	16.5	7.9	7.9	32.0	32.0	94.8	94.8	7.8	7.8	6.4	7.9	7	6	-	-	-	-	-	-	-	-	-				
						1.0	0.3	210	16.5	16.5	7.9	7.9	32.0	32.0	94.8	94.8	7.8	7.8	6.5	7.9	8	6	-	-	-	-	-	-	-	-	-	-			
						3.5	0.3	182	16.4	16.4	7.9	7.9	32.0	32.0	94.5	94.5	7.8	7.8	6.9	7.9	6	6	-	-	-	-	-	-	-	-	-	-			
					3.5	0.4	183	16.4	16.4	7.9	7.9	32.0	32.0	94.5	94.5	7.8	7.8	6.9	7.9	5	6	-	-	-	-	-	-	-	-	-	-	-			
					5.9	0.3	213	16.4	16.4	7.9	7.9	32.0	32.0	94.4	94.4	7.7	7.7	10.3	7.9	5	6	-	-	-	-	-	-	-	-	-	-	-			
					5.9	0.3	209	16.4	16.4	7.9	7.9	32.0	32.0	94.4	94.4	7.7	7.7	10.3	7.9	5	6	-	-	-	-	-	-	-	-	-	-	-			
IM7	Fine	Rough	07:39	7.2	Surface	1.0	0.2	185	16.5	16.5	7.9	7.9	31.8	31.8	94.9	94.9	7.8	7.8	3.4	5.2	7	8	-	-	-	-	-	-	-	-					
						1.0	0.2	189	16.5	16.5	7.9	7.9	31.8	31.8	94.9	94.9	7.8	7.8	3.5	5.2	8	8	-	-	-	-	-	-	-	-					
						3.6	0.3	215	16.5	16.5	7.9	7.9	31.9	31.9	94.8	94.8	7.8	7.8	4.4	5.2	8	8	-	-	-	-	-	-	-	-	-				
					3.6	0.3	220	16.5	16.5	7.9	7.9	31.9	31.9	94.8	94.8	7.8	7.8	4.4	5.2	9	8	-	-	-	-	-	-	-	-	-	-				
					6.2	0.2	184	16.4	16.4	7.9	7.9	31.9	31.9	95.1	95.1	7.8	7.8	7.8	5.2	9	8	-	-	-	-	-	-	-	-	-	-				
					6.2	0.2	186	16.4	16.4	7.9	7.9	31.9	31.9	95.1	95.1	7.8	7.8	7.8	5.2	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 31 December 22 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM10	Fine	Calm	08:35	8.2	Surface	1.0	0.3	122	16.8	16.8	7.8	7.8	34.3	34.3	97.8	98.0	7.7	7.7	3.2	3.1	8	7	-	-	-	-	-	-	-	-				
						1.0	0.3	127	16.8	16.8	7.8	7.8	34.3	34.3	98.1	98.0	7.7	7.7	3.1	3.1	7	7	-	-	-	-	-	-	-	-	-	-		
						4.1	0.3	112	16.8	16.8	7.8	7.8	34.2	34.2	99.3	99.4	7.8	7.8	4.1	4.1	6	6	-	-	-	-	-	-	-	-	-	-		
					Middle	4.1	0.3	106	16.8	16.8	7.8	7.8	34.2	34.2	99.5	99.4	7.9	7.9	4.2	4.2	7	7	-	-	-	-	-	-	-	-	-	-	-	
						7.2	0.3	106	16.8	16.8	7.8	7.8	34.2	34.2	100.7	101.0	8.0	8.0	5.5	5.5	5	5	-	-	-	-	-	-	-	-	-	-	-	
						7.2	0.3	109	16.8	16.8	7.8	7.8	34.2	34.2	101.3	101.0	8.0	8.0	5.3	5.3	6	6	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.2	0.3	106	16.8	16.8	7.8	7.8	34.2	34.2	100.7	101.0	8.0	8.0	5.5	5.5	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						7.2	0.3	109	16.8	16.8	7.8	7.8	34.2	34.2	101.3	101.0	8.0	8.0	5.3	5.3	6	6	-	-	-	-	-	-	-	-	-	-	-	-
						7.2	0.3	109	16.8	16.8	7.8	7.8	34.2	34.2	101.3	101.0	8.0	8.0	5.3	5.3	6	6	-	-	-	-	-	-	-	-	-	-	-	-
IM11	Fine	Calm	08:26	7.4	Surface	1.0	0.3	102	16.9	16.9	7.8	7.8	34.3	34.3	96.3	96.4	7.6	7.6	3.9	3.8	6	6	-	-	-	-	-	-	-	-				
						1.0	0.3	95	16.9	16.9	7.8	7.8	34.3	34.3	96.4	96.4	7.6	7.6	3.8	3.8	6	6	-	-	-	-	-	-	-	-	-	-		
						3.7	0.3	114	16.9	16.9	7.8	7.8	34.3	34.3	97.0	97.2	7.6	7.6	4.9	4.9	6	6	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.7	0.3	112	16.9	16.9	7.8	7.8	34.3	34.3	97.4	97.2	7.7	7.7	5.0	5.0	6	6	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.3	105	16.9	16.9	7.8	7.8	34.2	34.2	98.2	98.4	7.7	7.7	6.1	6.1	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.3	105	16.9	16.9	7.8	7.8	34.2	34.2	98.5	98.4	7.8	7.8	6.1	6.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	6.4	0.3	105	16.9	16.9	7.8	7.8	34.2	34.2	98.5	98.4	7.8	7.8	6.1	6.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.3	105	16.9	16.9	7.8	7.8	34.2	34.2	98.5	98.4	7.8	7.8	6.1	6.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.3	105	16.9	16.9	7.8	7.8	34.2	34.2	98.5	98.4	7.8	7.8	6.1	6.1	6	6	-	-	-	-	-	-	-	-	-	-	-	
IM12	Fine	Calm	08:21	9.0	Surface	1.0	0.4	101	17.0	17.0	7.8	7.8	34.3	34.3	96.2	96.3	7.6	7.6	3.1	3.2	6	5	-	-	-	-	-	-	-	-				
						1.0	0.3	100	17.0	17.0	7.8	7.8	34.3	34.3	96.4	96.3	7.6	7.6	3.2	3.2	5	5	-	-	-	-	-	-	-	-	-	-		
						4.5	0.4	114	17.0	17.0	7.8	7.8	34.3	34.3	97.7	97.9	7.7	7.7	4.2	4.2	8	8	-	-	-	-	-	-	-	-	-	-		
					Middle	4.5	0.4	114	17.0	17.0	7.8	7.8	34.3	34.3	98.0	98.0	7.7	7.7	4.3	4.3	8	8	-	-	-	-	-	-	-	-	-	-	-	-
						8.0	0.4	111	16.9	17.0	7.8	7.8	34.3	34.3	100.1	100.5	7.9	7.9	5.1	5.1	10	10	-	-	-	-	-	-	-	-	-	-	-	
						8.0	0.5	105	17.0	17.0	7.8	7.8	34.3	34.3	100.8	100.5	7.9	7.9	5.2	5.2	10	10	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.0	0.4	111	16.9	17.0	7.8	7.8	34.3	34.3	100.1	100.5	7.9	7.9	5.1	5.1	10	10	-	-	-	-	-	-	-	-	-	-	-	
						8.0	0.5	105	17.0	17.0	7.8	7.8	34.3	34.3	100.8	100.5	7.9	7.9	5.2	5.2	10	10	-	-	-	-	-	-	-	-	-	-	-	
						8.0	0.5	105	17.0	17.0	7.8	7.8	34.3	34.3	100.8	100.5	7.9	7.9	5.2	5.2	10	10	-	-	-	-	-	-	-	-	-	-		
SR1A	Fine	Calm	07:57	4.2	Surface	1.0	-	55	17.2	17.2	7.7	7.7	34.5	34.5	97.3	97.6	7.6	7.6	4.9	4.9	5	6	-	-	-	-	-	-	-					
						1.0	0.0	50	17.2	17.2	7.7	7.7	34.5	34.5	97.8	97.6	7.6	7.6	4.9	4.9	6	6	-	-	-	-	-	-	-					
						2.1	0.0	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	2.1	0.0	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.1	0.0	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.1	0.0	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.2	0.0	58	17.2	17.2	7.7	7.6	34.4	34.4	99.5	99.9	7.8	7.8	5.0	5.1	6	6	-	-	-	-	-	-	-	-	-			
						3.2	0.0	64	17.2	17.2	7.6	7.6	34.4	34.4	100.2	99.9	7.8	7.8	5.1	5.1	6	6	-	-	-	-	-	-	-	-	-			
						3.2	0.0	64	17.2	17.2	7.6	7.6	34.4	34.4	100.2	99.9	7.8	7.8	5.1	5.1	6	6	-	-	-	-	-	-	-	-				
SR2	Fine	Calm	07:45	4.8	Surface	1.0	0.3	32	17.4	17.4	7.8	7.8	34.7	34.7	92.6	92.7	7.2	7.2	2.1	2.2	6	6	-	-	-	-	-	-						
						1.0	0.3	30	17.4	17.4	7.8	7.8	34.7	34.7	92.8	92.7	7.2	7.2	2.2	2.2	6	6	-	-	-	-	-	-						
						-	0.3	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	0.2	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.8	0.4	23	17.4	17.4	7.7	7.7	34.7	34.7	93.6	93.9	7.3	7.3	3.5	3.5	5	5	-	-	-	-	-	-	-					
						3.8	0.4	28	17.4	17.4	7.7	7.7	34.7	34.7	94.1	93.9	7.3	7.3	3.5	3.5	6	6	-	-	-	-	-	-						
					Bottom	3.8	0.4	28	17.4	17.4	7.7	7.7	34.7	34.7	94.1	93.9	7.3	7.3	3.5	3.5	6	6	-	-	-	-	-	-						
						3.8	0.4	28	17.4	17.4	7.7	7.7	34.7	34.7	94.1	93.9	7.3	7.3	3.5	3.5	6	6	-	-	-	-	-							
						3.8	0.4	28	17.4	17.4	7.7	7.7	34.7	34.7	94.1	93.9	7.3	7.3	3.5	3.5	6	6	-	-	-	-	-							
SR3	Fine	Rough	07:52	8.1	Surface	1.0	0.4	149	16.6	16.6	7.8	7.8	31.7	31.7	94.8	94.8	7.8	7.8	4.1	4.1	6	7	-	-	-	-	-							
						1.0	0.4	146	16.6	16.6	7.8	7.8	31.7	31.7	94.8	94.8	7.8	7.8	4.1	4.1	7	7	-	-	-	-								
						4.1	0.4	161	16.6	16.6	7.8	7.8	31.7	31.7	94.7	94.7	7.7	7.7	4.1	4.1	8	8	-	-	-	-								
					Middle	4.1	0.4	162	16.6	16.6	7.8	7.8	31.7	31.7	94.6	94.7	7.7	7.7	4.1	4.1	7	7	-	-	-	-								
						7.1	0.4	169	16.5	16.5	7.9	7.9	31.6	31.6	94.4	94.5	7.7	7.7	4.3	4.3	8	8	-	-	-	-								
						7.1	0.4	167	16.5	16.5	7.9	7.9	31.6	31.6	94.5	94.5	7.7	7.7	4.3	4.3	8	8	-	-	-	-								
					Bottom	7.1	0.4	169	16.5	16.5	7.9	7.9	31.6	31.6	94.4	94.5	7.7	7.7	4.3	4.3	8	8	-	-	-	-								
						7.1	0.4	167	16.5	16.5	7.9	7.9	31.6	31.6	94.5	94.5	7.7	7.7	4.3	4.3	8	8	-	-	-	-								
						7.1	0.4	167																										

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

**Water Quality Monitoring Results on 31 December 22 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Sunny	Rough	14:27	8.1	Surface	1.0	0.3	38	16.7	16.7	7.8	7.8	31.9	31.9	95.0	95.0	7.7	7.7	5.8	6.4	6	6	-	-	-	-	-	-	-	-						
						1.0	0.3	35	16.7	7.8	7.8	31.9	31.9	95.0	95.0	7.7	7.7	5.7	6.4	7	6	-	-	-	-	-	-	-	-	-	-	-				
						4.1	0.3	32	16.5	16.5	7.8	7.8	31.9	31.9	94.6	94.6	7.7	7.7	6.6	6.4	6	6	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.1	0.3	35	16.5	16.5	7.8	7.8	31.9	31.9	94.6	94.6	7.7	7.7	6.7	6.4	6	6	-	-	-	-	-	-	-	-	-	-	-	-		
						7.1	0.3	41	16.5	16.5	7.8	7.8	31.9	31.9	94.6	94.6	7.6	7.6	6.8	6.4	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
						7.1	0.4	41	16.5	16.5	7.8	7.8	31.9	31.9	94.6	94.6	7.6	7.6	6.8	6.4	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
C2	Sunny	Rough	12:46	9.1	Surface	1.0	0.2	0	17.0	17.0	7.8	7.8	32.0	32.0	91.7	91.7	7.4	7.4	3.2	3.1	5	6	-	-	-	-	-	-	-	-	-					
						1.0	0.2	358	17.0	17.0	7.8	7.8	32.0	32.0	91.7	91.7	7.4	7.4	3.2	3.1	5	6	-	-	-	-	-	-	-	-	-	-	-	-		
						4.6	0.2	348	17.0	17.0	7.8	7.8	32.0	32.0	91.4	91.4	7.4	7.4	3.2	3.1	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.6	0.2	350	17.0	17.0	7.8	7.8	32.0	32.0	91.4	91.4	7.4	7.4	3.2	3.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.1	0.2	342	17.0	17.0	7.8	7.8	32.0	32.0	91.2	91.3	7.4	7.4	2.9	3.1	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.1	0.2	345	17.0	17.0	7.8	7.8	32.0	32.0	91.3	91.3	7.4	7.4	2.9	3.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	Fine	Calm	14:03	9.6	Surface	1.0	0.4	261	18.0	18.0	7.8	7.8	34.9	34.8	93.6	93.8	7.2	7.2	1.0	1.9	5	6	-	-	-	-	-	-	-	-	-					
						1.0	0.4	265	17.9	17.9	7.8	7.8	34.8	34.8	93.9	93.9	7.2	7.2	1.1	1.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-		
						4.8	0.4	273	17.9	17.9	7.8	7.8	34.8	34.8	94.9	95.2	7.3	7.3	2.0	1.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.8	0.4	273	17.9	17.9	7.8	7.8	34.8	34.8	95.4	95.4	7.3	7.3	1.9	1.9	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.6	0.4	277	17.9	17.9	7.8	7.8	34.8	34.8	97.2	97.7	7.5	7.5	2.7	2.7	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.6	0.4	279	17.9	17.9	7.8	7.8	34.8	34.8	98.1	97.7	7.6	7.6	2.7	2.7	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM1	Sunny	Moderate	14:01	7.2	Surface	1.0	0.2	11	16.6	16.6	7.9	7.9	32.3	32.3	96.3	96.3	7.8	7.8	7.2	7.9	7	6	-	-	-	-	-	-	-	-	-					
						1.0	0.2	3	16.6	16.6	7.9	7.9	32.3	32.3	96.2	96.2	7.8	7.8	7.3	7.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-		
						3.6	0.2	25	16.6	16.6	7.9	7.9	32.3	32.3	95.9	95.9	7.7	7.7	7.4	7.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.6	0.2	25	16.6	16.6	7.9	7.9	32.3	32.3	95.9	95.9	7.7	7.7	7.4	7.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.2	0.2	42	16.5	16.5	7.9	7.9	32.3	32.3	95.7	95.7	7.7	7.7	9.2	7.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.2	0.2	45	16.5	16.5	7.9	7.9	32.3	32.3	95.7	95.7	7.7	7.7	9.1	7.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Sunny	Moderate	13:49	7.4	Surface	1.0	0.1	1	16.4	16.4	7.9	7.9	32.1	32.1	95.5	95.6	7.8	7.8	6.3	7.8	6	7	-	-	-	-	-	-	-	-	-					
						1.0	0.2	353	16.4	16.4	7.9	7.9	32.1	32.1	95.6	95.6	7.8	7.8	6.3	7.8	6	7	-	-	-	-	-	-	-	-	-	-	-			
						3.7	0.1	356	16.4	16.4	7.9	7.9	32.1	32.1	95.6	95.7	7.8	7.8	6.8	7.8	7	7	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.7	0.1	1	16.4	16.4	7.9	7.9	32.1	32.1	95.7	95.7	7.8	7.8	6.9	7.8	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.4	0.1	14	16.4	16.4	7.9	7.9	32.2	32.2	95.8	95.9	7.8	7.8	10.1	7.9	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.4	0.1	13	16.4	16.4	7.9	7.9	32.2	32.2	96.0	95.9	7.9	7.9	10.1	7.9	8	7	-	-	-	-	-	-	-	-	-	-	-	-		
IM7	Sunny	Rough	13:21	8.5	Surface	1.0	0.1	303	16.5	16.5	7.9	7.9	31.9	31.9	95.6	95.6	7.8	7.8	6.1	6.1	6	6	-	-	-	-	-	-	-	-	-					
						1.0	0.2	300	16.5	16.5	7.9	7.9	31.9	31.9	95.5	95.5	7.8	7.8	6.1	6.1	5	6	-	-	-	-	-	-	-	-	-	-				
						4.3	0.1	301	16.5	16.5	7.9	7.9	31.9	31.9	95.0	95.0	7.8	7.8	5.9	6.1	7	6	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.3	0.1	305	16.5	16.5	7.9	7.9	31.9	31.9	95.0	95.0	7.8	7.8	5.9	6.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
						7.5	0.2	299	16.4	16.4	7.9	7.9	31.9	31.9	95.0	95.0	7.8	7.8	6.3	6.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
						7.5	0.2	293	16.4	16.4	7.9	7.9	31.9	31.9	95.1	95.1	7.8	7.8	6.4	6.1	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 31 December 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM10	Fine	Calm	12:51	9.0	Surface	1.0	0.2	253	17.0	17.0	7.8	7.8	34.3	34.3	99.1	99.2	7.8	7.9	2.0	7	-	-	-	-	822251	809832	-	-	-	-				
						1.0	0.3	254	17.0	7.8	7.8	34.3	34.3	99.2	99.2	7.8	7.9	2.1	6	-	-	-	-											
						4.5	0.3	276	17.0	7.8	7.8	34.3	34.2	99.8	100.0	7.9	7.9	3.6	6	-	-	-	-											
						4.5	0.3	271	17.0	7.8	7.8	34.2	34.2	100.1	100.1	7.9	7.9	3.5	8	-	-	-	-											
					Middle	8.0	0.3	268	17.0	7.8	7.7	34.2	34.2	101.7	103.7	8.0	8.2	4.1	8	-	-	-	-											
						8.0	0.3	271	17.0	7.7	7.7	34.2	34.2	105.7	105.7	8.3	8.2	4.2	9	-	-	-	-											
						1.0	0.3	278	17.4	7.8	7.8	34.5	34.5	97.4	97.5	7.6	7.6	1.2	7	-	-	-	-											
						1.0	0.4	271	17.4	7.8	7.8	34.5	34.5	97.6	97.5	7.6	7.6	1.2	7	-	-	-	-											
IM11	Fine	Calm	13:00	8.0	Surface	4.0	0.3	277	17.6	17.6	7.8	7.8	34.3	34.3	98.2	98.4	7.6	7.6	2.7	6	-	-	-	-	821517	810543	-	-	-	-				
						4.0	0.3	282	17.6	7.8	7.8	34.3	34.3	98.5	98.4	7.6	7.6	2.8	5	-	-	-	-											
						7.0	0.3	252	17.9	7.8	7.8	34.1	34.0	99.9	100.3	7.7	7.8	4.0	5	-	-	-	-											
						7.0	0.3	257	18.0	7.8	7.8	34.0	34.0	100.6	100.6	7.8	7.8	4.0	5	-	-	-	-											
					Middle	1.0	0.4	284	17.3	17.3	7.9	7.9	34.5	34.5	95.5	95.5	7.5	7.5	3.2	7	-	-	-	-										
						1.0	0.4	278	17.3	17.3	7.9	7.9	34.5	34.5	95.5	95.5	7.5	7.5	3.3	7	-	-	-	-										
						4.5	0.4	293	17.3	17.3	7.8	7.8	34.5	34.5	98.1	98.2	7.7	7.7	4.2	6	-	-	-	-										
						4.5	0.4	295	17.3	17.3	7.8	7.8	34.5	34.5	98.3	98.3	7.7	7.7	4.2	6	-	-	-	-										
Bottom	8.0	0.3	303	17.8	17.8	7.8	7.8	34.0	34.0	100.8	101.1	7.8	7.8	5.4	6	-	-	-	-															
	8.0	0.4	298	17.8	17.8	7.8	7.8	33.9	34.0	101.3	101.3	7.8	7.8	5.5	5	-	-	-	-															
	1.0	0.0	183	17.3	17.3	7.9	7.9	34.4	34.4	95.6	95.5	7.4	7.5	5.1	8	-	-	-	-															
	1.0	0.0	186	17.3	17.3	7.9	7.9	34.4	34.4	95.6	95.5	7.5	7.5	5.2	9	-	-	-	-															
SR1A	Fine	Calm	13:32	4.4	Surface	2.2	-	177	-	-	-	-	-	-	-	-	-	-	-	5.6	7	-	-	819978	812655	-	-	-	-					
						2.2	0.0	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					Middle	3.4	0.0	190	17.3	17.3	7.9	7.9	34.4	34.4	96.1	96.3	7.5	7.5	6.0	6	-	-	-			-								
						3.4	0.0	183	17.3	17.3	7.9	7.9	34.4	34.4	96.4	96.3	7.5	7.5	6.1	6	-	-	-			-								
					Bottom	1.0	0.1	246	17.8	17.8	7.8	7.8	34.8	34.8	95.9	96.3	7.4	7.5	3.1	5	-	-	-			-								
						1.0	0.1	244	17.8	17.8	7.8	7.8	34.8	34.8	96.6	96.3	7.5	7.5	3.2	6	-	-	-			-								
SR2	Fine	Calm	13:44	5.2	Surface	-	0.1	216	-	-	-	-	-	-	-	-	-	-	-	3.7	6	-	-	821443	814147	-	-	-	-					
						-	0.1	219	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					Middle	4.2	0.1	227	17.8	17.8	7.8	7.8	34.8	34.7	98.4	99.2	7.6	7.7	4.2	7	-	-	-			-								
						4.2	0.2	227	17.8	17.8	7.8	7.8	34.7	34.7	99.9	99.9	7.7	7.7	4.2	6	-	-	-			-								
					Bottom	1.0	0.2	315	16.6	16.6	7.9	7.9	31.9	31.9	94.8	94.8	7.7	7.7	3.6	4	-	-	-			-								
						1.0	0.2	315	16.6	16.6	7.9	7.9	31.9	31.9	94.8	94.8	7.7	7.7	3.7	5	-	-	-			-								
4.4	0.1	329	16.5	16.5		7.9	7.9	31.9	31.9	94.6	94.6	7.7	7.7	3.9	6	-	-	-	-															
4.4	0.2	327	16.5	16.5		7.9	7.9	31.9	31.9	94.5	94.6	7.7	7.7	4.0	5	-	-	-	-															
SR3	Sunny	Rough	13:09	8.8	Surface	7.8	0.2	290	16.5	16.5	7.9	7.9	31.9	31.9	94.3	94.3	7.7	7.7	4.9	7	-	-	822163	807569	-	-	-	-						
						7.8	0.1	285	16.5	16.5	7.9	7.9	31.9	31.9	94.3	94.3	7.7	7.7	5.0	7	-	-			-	-								
					Middle	1.0	0.0	242	17.6	17.6	7.9	7.9	32.4	32.4	89.4	89.4	7.1	7.1	2.6	7	-	-			-	-								
						1.0	0.0	247	17.6	17.6	7.9	7.9	32.4	32.4	89.4	89.4	7.1	7.1	2.6	7	-	-			-	-								
						4.9	0.0	224	17.5	17.5	7.9	7.9	32.4	32.4	88.3	88.3	7.0	7.0	4.8	6	-	-			-	-								
						4.9	0.0	221	17.5	17.5	7.9	7.9	32.4	32.4	88.3	88.3	7.0	7.0	4.8	6	-	-			-	-								
Bottom	8.8	0.0	233	17.4	17.4	7.9	7.9	32.4	32.4	88.4	88.4	7.0	7.0	6.4	6	-	-	-	-															
	8.8	0.0	235	17.4	17.4	7.9	7.9	32.4	32.4	88.4	88.4	7.0	7.0	6.4	6	-	-	-	-															
SR4A	Sunny	Moderate	15:04	9.8	Surface	1.0	-	-	17.3	17.3	7.9	7.9	34.5	34.5	95.5	95.5	7.5	7.5	3.2	8	-	-	817193	807786	-	-	-	-						
						1.0	-	-	17.3	17.3	7.9	7.9	34.5	34.5	95.5	95.5	7.5	7.5	3.2	9	-	-			-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-								
					Bottom	3.6	-	-	17.3	17.4	7.9	7.9	34.5	34.5	95.9	96.1	7.5	7.5	5.0	7	-	-			-	-								
						3.6	-	-	17.4	17.4	7.9	7.9	34.5	34.5	96.2	96.1	7.5	7.5	4.9	6	-	-			-	-								
SR8	Fine	Calm	13:16	4.6	Surface	1.0	-	-	17.3	17.3	7.9	7.9	34.5	34.5	95.5	95.5	7.5	7.5	3.2	8	-	-	820393	811646	-	-	-	-						
						1.0	-	-	17.3	17.3	7.9	7.9	34.5	34.5	95.5	95.5	7.5	7.5	3.2	9	-	-			-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-								
					Bottom	3.6	-	-	17.3	17.4	7.9	7.9	34.5	34.5	95.9	96.1	7.5	7.5	5.0	7	-	-			-	-								
						3.6	-	-	17.4	17.4	7.9	7.9	34.5	34.5	96.2	96.1	7.5	7.5	4.9	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**



## **Chinese White Dolphin Monitoring Results**

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
03-Oct-22	AW	2	4.950	AUTUMN	32166	3RS ET	P
03-Oct-22	WL	2	13.331	AUTUMN	32166	3RS ET	P
03-Oct-22	WL	3	6.143	AUTUMN	32166	3RS ET	P
03-Oct-22	WL	2	6.235	AUTUMN	32166	3RS ET	S
03-Oct-22	WL	3	2.682	AUTUMN	32166	3RS ET	S
07-Oct-22	NEL	2	7.950	AUTUMN	32166	3RS ET	P
07-Oct-22	NEL	3	28.710	AUTUMN	32166	3RS ET	P
07-Oct-22	NEL	2	5.340	AUTUMN	32166	3RS ET	S
07-Oct-22	NEL	3	5.400	AUTUMN	32166	3RS ET	S
11-Oct-22	NWL	3	51.620	AUTUMN	32166	3RS ET	P
11-Oct-22	NWL	4	12.480	AUTUMN	32166	3RS ET	P
11-Oct-22	NWL	3	11.700	AUTUMN	32166	3RS ET	S
17-Oct-22	NEL	2	3.700	AUTUMN	32166	3RS ET	P
17-Oct-22	NEL	3	29.010	AUTUMN	32166	3RS ET	P
17-Oct-22	NEL	4	4.400	AUTUMN	32166	3RS ET	P
17-Oct-22	NEL	2	2.000	AUTUMN	32166	3RS ET	S
17-Oct-22	NEL	3	5.990	AUTUMN	32166	3RS ET	S
17-Oct-22	NEL	4	1.900	AUTUMN	32166	3RS ET	S
19-Oct-22	NWL	2	3.000	AUTUMN	32166	3RS ET	P
19-Oct-22	NWL	3	55.820	AUTUMN	32166	3RS ET	P
19-Oct-22	NWL	4	4.880	AUTUMN	32166	3RS ET	P
19-Oct-22	NWL	2	1.900	AUTUMN	32166	3RS ET	S
19-Oct-22	NWL	3	9.600	AUTUMN	32166	3RS ET	S
20-Oct-22	WL	2	2.923	AUTUMN	32166	3RS ET	P
20-Oct-22	WL	3	17.160	AUTUMN	32166	3RS ET	P
20-Oct-22	WL	2	2.614	AUTUMN	32166	3RS ET	S
20-Oct-22	WL	3	7.390	AUTUMN	32166	3RS ET	S
20-Oct-22	AW	3	4.870	AUTUMN	32166	3RS ET	P
24-Oct-22	SWL	4	39.360	AUTUMN	32166	3RS ET	P
24-Oct-22	SWL	5	14.879	AUTUMN	32166	3RS ET	P
24-Oct-22	SWL	3	1.400	AUTUMN	32166	3RS ET	S
24-Oct-22	SWL	4	6.610	AUTUMN	32166	3RS ET	S
24-Oct-22	SWL	5	6.751	AUTUMN	32166	3RS ET	S
27-Oct-22	SWL	3	41.851	AUTUMN	32166	3RS ET	P
27-Oct-22	SWL	4	11.520	AUTUMN	32166	3RS ET	P
27-Oct-22	SWL	3	13.879	AUTUMN	32166	3RS ET	S
27-Oct-22	SWL	4	2.000	AUTUMN	32166	3RS ET	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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
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	AUTUMN	32166	3RS ET	P
16-Dec-22	NEL	3	5.130	AUTUMN	32166	3RS ET	P
16-Dec-22	NEL	2	10.070	AUTUMN	32166	3RS ET	S
19-Dec-22	NEL	2	21.500	AUTUMN	32166	3RS ET	P
19-Dec-22	NEL	3	16.020	AUTUMN	32166	3RS ET	P
19-Dec-22	NEL	2	5.070	AUTUMN	32166	3RS ET	S
19-Dec-22	NEL	3	5.110	AUTUMN	32166	3RS ET	S
20-Dec-22	NWL	2	5.240	AUTUMN	32166	3RS ET	P
20-Dec-22	NWL	3	57.300	AUTUMN	32166	3RS ET	P
20-Dec-22	NWL	2	1.100	AUTUMN	32166	3RS ET	S
20-Dec-22	NWL	3	10.600	AUTUMN	32166	3RS ET	S
21-Dec-22	AW	3	5.010	AUTUMN	32166	3RS ET	P
21-Dec-22	WL	3	8.326	AUTUMN	32166	3RS ET	P
21-Dec-22	WL	4	9.037	AUTUMN	32166	3RS ET	P
21-Dec-22	WL	5	1.900	AUTUMN	32166	3RS ET	P
21-Dec-22	WL	3	3.640	AUTUMN	32166	3RS ET	S
21-Dec-22	WL	4	7.527	AUTUMN	32166	3RS ET	S
22-Dec-22	SWL	3	52.578	AUTUMN	32166	3RS ET	P
22-Dec-22	SWL	4	1.400	AUTUMN	32166	3RS ET	P
22-Dec-22	SWL	2	0.850	AUTUMN	32166	3RS ET	S
22-Dec-22	SWL	3	14.360	AUTUMN	32166	3RS ET	S
22-Dec-22	SWL	4	1.200	AUTUMN	32166	3RS ET	S
28-Dec-22	SWL	2	30.360	AUTUMN	32166	3RS ET	P
28-Dec-22	SWL	3	22.450	AUTUMN	32166	3RS ET	P
28-Dec-22	SWL	2	12.320	AUTUMN	32166	3RS ET	S
28-Dec-22	SWL	3	2.700	AUTUMN	32166	3RS ET	S
29-Dec-22	AW	3	4.860	AUTUMN	32166	3RS ET	P
29-Dec-22	WL	3	14.870	AUTUMN	32166	3RS ET	P
29-Dec-22	WL	4	5.880	AUTUMN	32166	3RS ET	P
29-Dec-22	WL	3	9.380	AUTUMN	32166	3RS ET	S
29-Dec-22	WL	4	0.870	AUTUMN	32166	3RS ET	S
30-Dec-22	NWL	3	49.500	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
30-Dec-22	NWL	4	14.100	AUTUMN	32166	3RS ET	P
30-Dec-22	NWL	3	8.500	AUTUMN	32166	3RS ET	S
30-Dec-22	NWL	4	3.200	AUTUMN	32166	3RS ET	S

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

## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
03-Oct-22	1	1052	CWD	1	WL	2	1260	ON	3RS ET	22.2556	113.8359	AUTUMN	NONE	S
03-Oct-22	2	1114	CWD	2	WL	2	1016	ON	3RS ET	22.2418	113.8335	AUTUMN	NONE	P
03-Oct-22	3	1125	CWD	3	WL	2	91	ON	3RS ET	22.2374	113.8260	AUTUMN	NONE	S
03-Oct-22	4	1130	CWD	5	WL	2	497	ON	3RS ET	22.2356	113.8262	AUTUMN	NONE	S
03-Oct-22	5	1210	CWD	3	WL	3	16	ON	3RS ET	22.2214	113.8202	AUTUMN	NONE	S
03-Oct-22	6	1236	CWD	6	WL	2	838	ON	3RS ET	22.2058	113.8297	AUTUMN	NONE	P
03-Oct-22	7	1300	CWD	4	WL	3	98	ON	3RS ET	22.2036	113.8226	AUTUMN	NONE	S
03-Oct-22	8	1323	CWD	2	WL	3	450	ON	3RS ET	22.1879	113.8359	AUTUMN	NONE	P
20-Oct-22	1	1054	CWD	2	WL	3	210	ON	3RS ET	22.2417	113.8383	AUTUMN	NONE	P
20-Oct-22	2	1124	CWD	5	WL	3	411	ON	3RS ET	22.2326	113.8370	AUTUMN	NONE	P
20-Oct-22	3	1200	CWD	3	WL	2	266	ON	3RS ET	22.2263	113.8373	AUTUMN	NONE	S
24-Oct-22	1	1150	FP	1	SWL	5	172	ON	3RS ET	22.1787	113.9215	AUTUMN	NONE	S
27-Oct-22	1	1151	FP	2	SWL	3	137	ON	3RS ET	22.1780	113.9211	AUTUMN	NONE	S
27-Oct-22	2	1210	FP	1	SWL	3	427	ON	3RS ET	22.1428	113.9146	AUTUMN	NONE	S
27-Oct-22	3	1403	CWD	1	SWL	3	7	ON	3RS ET	22.1909	113.8781	AUTUMN	NONE	P
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

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

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 408.844 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 6 on-effort sightings and total number of 19 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in December 2022 are shown as below:

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

$$STG = \frac{6}{408.844} \times 100 = 1.47$$

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

$$ANI = \frac{19}{408.844} \times 100 = 4.65$$

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

A total of 1202.972 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 30 on-effort sightings and total number of 81 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)









$$STG = \frac{30}{1202.972} \times 100 = 2.49$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)







$$ANI = \frac{81}{1202.972} \times 100 = 6.73$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM044_20221221_2_1	WLMM001_20221221_2_1
	
WLMM028_20221221_2_1	WLMM049_20221221_2_1
	
WLMM063_20221221_2_3	SLMM023_20221228_2_7
	
SLMM031_20221228_2_8	SLMM035_20221228_2_4



	
WLMM029_20221228_2_3	SLMM035_20221228_3_1
	
WLMM029_20221228_3_1	SLMM044_20221229_1_1
	
WLMM005_20221229_1_1	WLMM163_20221229_1_1

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

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
15/Dec/22	Sha Chau	10:37	16:37	6:00	3	3	0	NA
19/Dec/22	Lung Kwu Chau	08:52	14:52	6:00	2-3	2	0	NA

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