

## **Appendix D. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

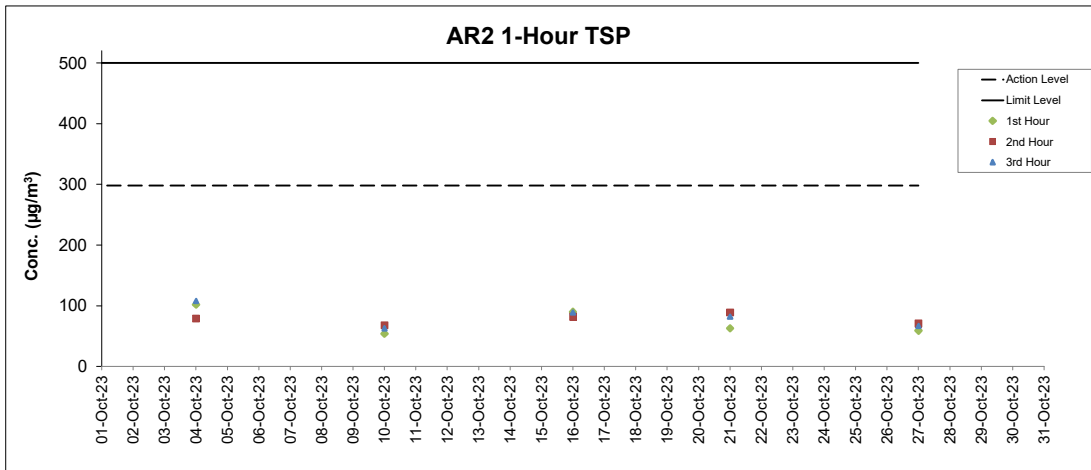
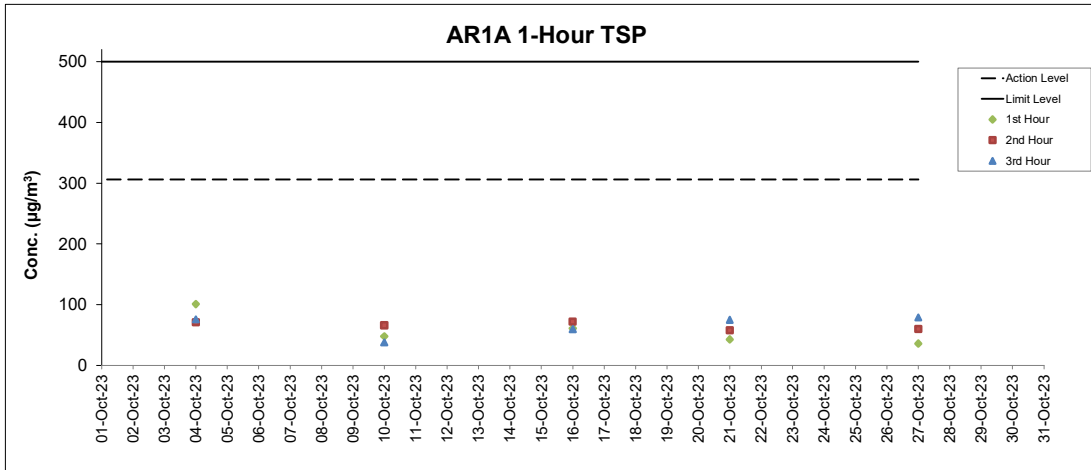
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
4-Oct-23	8:05	Sunny	1.7	311	101	306	500
4-Oct-23	9:05	Sunny	3.3	300	71	306	500
4-Oct-23	10:05	Sunny	2.8	317	76	306	500
10-Oct-23	10:31	Sunny	5.0	40	48	306	500
10-Oct-23	11:31	Sunny	5.6	2	66	306	500
10-Oct-23	12:31	Sunny	2.5	27	38	306	500
16-Oct-23	8:17	Sunny	4.4	38	61	306	500
16-Oct-23	9:17	Sunny	4.7	35	72	306	500
16-Oct-23	10:17	Sunny	4.2	46	60	306	500
21-Oct-23	8:19	Sunny	5.3	39	43	306	500
21-Oct-23	9:19	Sunny	5.0	36	58	306	500
21-Oct-23	10:19	Sunny	3.1	25	75	306	500
27-Oct-23	8:07	Sunny	4.2	85	36	306	500
27-Oct-23	9:07	Sunny	3.9	88	60	306	500
27-Oct-23	10:07	Sunny	4.2	64	79	306	500

**1-hour TSP Results**

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
4-Oct-23	12:56	Sunny	3.6	310	102	298	500
4-Oct-23	13:56	Sunny	3.3	Variable	79	298	500
4-Oct-23	14:56	Sunny	3.1	314	108	298	500
10-Oct-23	14:27	Sunny	3.1	28	54	298	500
10-Oct-23	15:27	Sunny	5.3	12	68	298	500
10-Oct-23	16:27	Sunny	3.3	44	63	298	500
16-Oct-23	12:56	Sunny	5.6	89	90	298	500
16-Oct-23	13:56	Sunny	4.4	60	82	298	500
16-Oct-23	14:56	Sunny	6.4	104	89	298	500
21-Oct-23	12:35	Sunny	5.3	43	63	298	500
21-Oct-23	13:35	Sunny	6.1	48	89	298	500
21-Oct-23	14:35	Sunny	4.2	44	82	298	500
27-Oct-23	12:11	Sunny	2.5	Variable	59	298	500
27-Oct-23	13:11	Sunny	4.4	263	71	298	500
27-Oct-23	14:11	Sunny	4.7	270	67	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) ^
4-Oct-23	Sunny	8:56	63.2	60.5	66
4-Oct-23	Sunny	9:01	63.9	60.8	
4-Oct-23	Sunny	9:06	63.9	61.0	
4-Oct-23	Sunny	9:11	64.2	61.1	
4-Oct-23	Sunny	9:16	63.8	60.8	
4-Oct-23	Sunny	9:21	64.4	61.2	
10-Oct-23	Sunny	10:30	63.5	58.9	65
10-Oct-23	Sunny	10:35	62.7	59.0	
10-Oct-23	Sunny	10:40	63.3	59.6	
10-Oct-23	Sunny	10:45	62.9	59.4	
10-Oct-23	Sunny	10:50	63.1	59.3	
10-Oct-23	Sunny	10:55	63.4	59.3	
16-Oct-23	Sunny	8:24	64.1	60.2	67
16-Oct-23	Sunny	8:29	64.5	60.3	
16-Oct-23	Sunny	8:34	63.5	60.3	
16-Oct-23	Sunny	8:39	64.3	60.0	
16-Oct-23	Sunny	8:44	62.5	58.9	
16-Oct-23	Sunny	8:49	62.8	59.5	
27-Oct-23	Sunny	9:28	63.2	59.2	64
27-Oct-23	Sunny	9:33	63.5	59.2	
27-Oct-23	Sunny	9:38	62.1	58.6	
27-Oct-23	Sunny	9:43	62.3	58.0	
27-Oct-23	Sunny	9:48	62.5	58.6	
27-Oct-23	Sunny	9:53	62.6	59.2	

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) ^
5-Oct-23	Overcast	13:42	61.8	58.4	64
5-Oct-23	Overcast	13:47	62.7	58.6	
5-Oct-23	Overcast	13:52	63.0	58.9	
5-Oct-23	Overcast	13:57	62.2	58.8	
5-Oct-23	Overcast	14:02	61.6	58.3	
5-Oct-23	Overcast	14:07	62.1	59.3	
13-Oct-23	Overcast	14:14	61.2	56.4	65
13-Oct-23	Overcast	14:19	61.5	57.4	
13-Oct-23	Overcast	14:24	63.0	57.7	
13-Oct-23	Overcast	14:29	63.3	60.6	
13-Oct-23	Overcast	14:34	65.2	63.1	
13-Oct-23	Overcast	14:39	65.2	63.5	
19-Oct-23	Overcast	14:37	62.6	58.7	64
19-Oct-23	Overcast	14:42	61.8	59.1	
19-Oct-23	Overcast	14:47	61.7	59.2	
19-Oct-23	Overcast	14:52	63.2	59.4	
19-Oct-23	Overcast	14:57	63.0	59.1	
19-Oct-23	Overcast	15:02	63.0	58.4	
26-Oct-23	Sunny	14:13	59.8	56.7	62
26-Oct-23	Sunny	14:18	60.9	57.2	
26-Oct-23	Sunny	14:23	60.7	56.8	
26-Oct-23	Sunny	14:28	61.3	56.6	
26-Oct-23	Sunny	14:33	60.1	56.9	
26-Oct-23	Sunny	14:38	61.7	58.0	

Remarks:

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

### Noise Measurement Results

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

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
4-Oct-23	Sunny	11:37	63.5	60.5	64*
4-Oct-23	Sunny	11:42	63.7	60.8	
4-Oct-23	Sunny	11:47	63.5	59.7	
4-Oct-23	Sunny	11:52	63.1	60.0	
4-Oct-23	Sunny	11:57	63.3	60.8	
4-Oct-23	Sunny	12:02	63.7	60.7	
10-Oct-23	Sunny	14:15	62.8	59.0	62*
10-Oct-23	Sunny	14:20	62.8	59.2	
10-Oct-23	Sunny	14:25	63.2	59.7	
10-Oct-23	Sunny	14:30	63.3	59.3	
10-Oct-23	Sunny	14:35	64.3	59.0	
10-Oct-23	Sunny	14:40	62.7	59.2	
16-Oct-23	Sunny	11:57	54.3	47.0	55
16-Oct-23	Sunny	12:02	56.1	48.7	
16-Oct-23	Sunny	12:07	51.5	48.0	
16-Oct-23	Sunny	12:12	55.1	47.8	
16-Oct-23	Sunny	12:17	52.3	46.5	
16-Oct-23	Sunny	12:22	55.1	48.6	
27-Oct-23	Sunny	11:16	56.6	50.9	58
27-Oct-23	Sunny	11:21	57.5	51.0	
27-Oct-23	Sunny	11:26	55.2	52.0	
27-Oct-23	Sunny	11:31	54.7	50.8	
27-Oct-23	Sunny	11:36	54.8	51.5	
27-Oct-23	Sunny	11:41	55.5	51.7	

Remarks:

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

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

### Noise Measurement Results

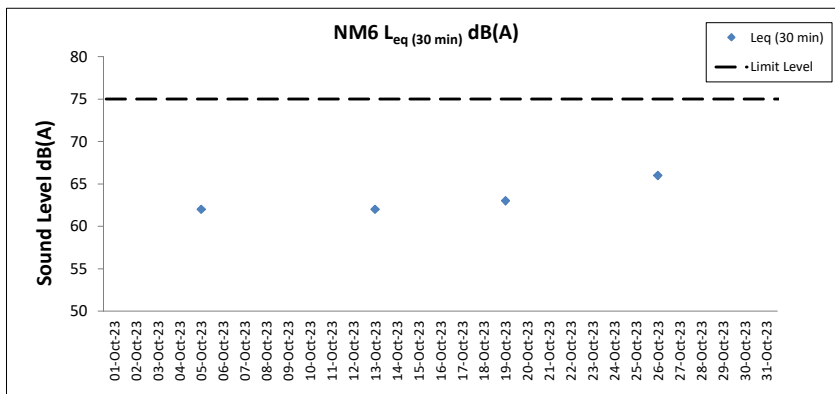
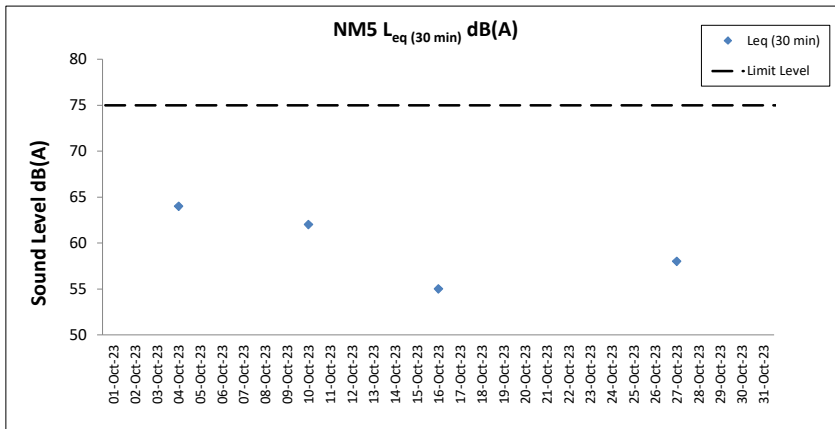
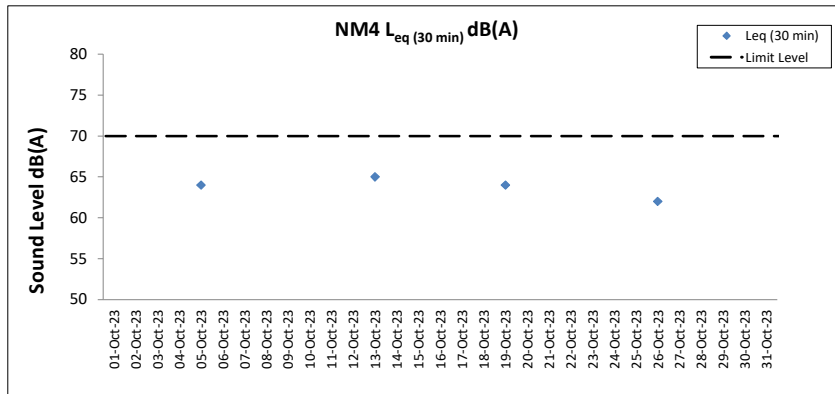
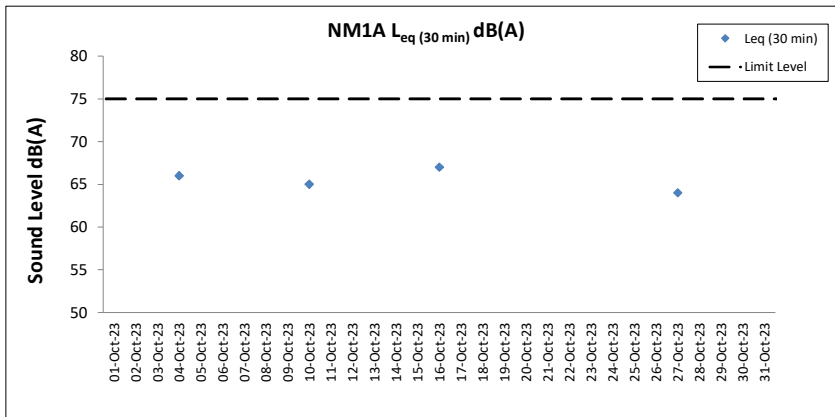
#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
5-Oct-23	Overcast	15:48	71.1	54.3	62*
5-Oct-23	Overcast	15:53	64.8	54.4	
5-Oct-23	Overcast	15:58	68.3	56.2	
5-Oct-23	Overcast	16:03	74.0	56.8	
5-Oct-23	Overcast	16:08	68.0	59.0	
5-Oct-23	Overcast	16:13	69.6	56.3	
13-Oct-23	Overcast	15:40	66.3	49.9	62*
13-Oct-23	Overcast	15:45	68.8	47.9	
13-Oct-23	Overcast	15:50	73.9	47.3	
13-Oct-23	Overcast	15:55	70.7	47.8	
13-Oct-23	Overcast	16:00	64.4	47.8	
13-Oct-23	Overcast	16:05	68.0	47.5	
19-Oct-23	Overcast	15:41	58.4	51.5	63
19-Oct-23	Overcast	15:46	66.2	54.2	
19-Oct-23	Overcast	15:51	61.2	52.0	
19-Oct-23	Overcast	15:56	64.1	54.4	
19-Oct-23	Overcast	16:01	59.7	50.2	
19-Oct-23	Overcast	16:06	55.2	45.8	
26-Oct-23	Sunny	15:44	72.2	47.5	66*
26-Oct-23	Sunny	15:49	68.8	48.3	
26-Oct-23	Sunny	15:54	68.8	48.3	
26-Oct-23	Sunny	15:59	55.2	46.8	
26-Oct-23	Sunny	16:04	71.9	48.0	
26-Oct-23	Sunny	16:09	73.5	49.8	

Remarks:

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

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



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

## **Water Quality Monitoring Results**



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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	15:35	8.0	Surface	1.0	0.2	207	<u>29.5</u>	29.5	8.1	8.1	<u>26.7</u>	26.7	<u>92.9</u>	92.9	6.1	5.9	6.3	8.3	8	7	815619	804244
						1.0	0.3	211	29.5		8.1		<u>26.7</u>		92.8		6.1		6.1		7			
					Middle	4.0	0.3	221	<u>29.2</u>	8.1	8.1	<u>29.6</u>	29.6	<u>86.6</u>	86.5	5.6	5.9	10.5	7					
						4.0	0.3	215	29.2	8.1	8.1	<u>29.6</u>	29.6	<u>86.3</u>	86.5	5.6	5.9	10.1	8					
					Bottom	7.0	0.2	220	<u>29.1</u>	29.1	8.1	8.1	<u>30.0</u>	29.9	<u>83.5</u>	83.4	5.4	5.4	8.4	6				
						7.0	0.2	215	29.1		8.1		<u>29.9</u>		83.2		5.4		5.4	8.8	5			
C2	Cloudy	Moderate	13:53	12.5	Surface	1.0	0.0	355	<u>29.8</u>	29.8	8.0	8.0	<u>24.8</u>	24.8	<u>83.0</u>	82.9	5.5	5.4	2.7	6.9	5	6	825667	806935
						1.0	0.1	348	29.8		8.0		<u>24.8</u>		82.7		5.5		2.9		5			
					Middle	6.3	0.1	6	<u>29.6</u>	29.6	8.0	8.0	<u>25.6</u>	25.7	<u>80.8</u>	80.8	5.3	5.3	6.8	5				
						6.3	0.1	11	29.6		8.0		<u>25.7</u>		80.8		5.3		6.4	6				
					Bottom	11.5	0.1	351	<u>29.5</u>	29.5	8.0	8.0	<u>27.1</u>	27.1	<u>80.6</u>	80.6	5.3	5.3	11.0	7				
						11.5	0.1	353	29.5		8.0		<u>27.0</u>		80.6		5.3		5.3	11.5	6			
C3	Fine	Moderate	14:40	9.4	Surface	1.0	0.2	90	<u>26.0</u>	26.0	8.0	8.0	<u>29.5</u>	29.5	<u>93.4</u>	93.5	6.4	6.5	6.5	7.3	4	4	822090	817782
						1.0	0.2	87	26.0		8.0		<u>29.5</u>		93.5		6.4		6.5		3			
					Middle	4.7	0.2	100	<u>26.0</u>	26.0	8.0	8.0	<u>29.5</u>	29.5	<u>94.5</u>	94.5	6.5	6.5	7.4	3				
						4.7	0.1	101	26.0		8.0		<u>29.5</u>		94.5		6.5		7.4	4				
					Bottom	8.4	0.2	80	<u>26.0</u>	26.0	8.0	8.0	<u>29.5</u>	29.5	<u>95.5</u>	95.7	6.5	6.6	8.2	4				
						8.4	0.2	73	26.0		8.0		<u>29.5</u>		95.8		6.6		6.6	8.2	4			
IM1	Cloudy	Moderate	15:12	6.6	Surface	1.0	0.2	186	<u>29.3</u>	29.3	8.1	8.1	<u>28.1</u>	28.1	<u>91.4</u>	91.3	6.0	5.8	5.9	6.5	6	7	818359	806479
						1.0	0.2	183	29.3		8.1		<u>28.2</u>		91.2		6.0		5.9		6			
					Middle	3.3	0.2	173	<u>29.2</u>	29.2	8.1	8.1	<u>28.5</u>	28.5	<u>84.8</u>	84.7	5.6	5.6	6.5	7				
						3.3	0.2	167	29.2		8.1		<u>28.6</u>		84.5		5.5		6.6	6				
					Bottom	5.6	0.1	211	<u>29.2</u>	29.2	8.1	8.1	<u>28.7</u>	28.7	<u>85.4</u>	85.6	5.6	5.6	7.1	6				
						5.6	0.2	209	29.2		8.1		<u>28.6</u>		85.8		5.6		5.6	7.2	8			
IM2	Cloudy	Moderate	15:07	7.0	Surface	1.0	0.1	186	<u>29.8</u>	29.8	8.1	8.1	<u>27.5</u>	27.5	<u>93.7</u>	93.7	6.1	5.8	8.0	8.8	6	5	819179	806226
						1.0	0.0	184	29.8		8.1		<u>27.6</u>		93.7		6.1		8.0		7			
					Middle	3.5	0.1	153	<u>29.2</u>	29.2	8.1	8.1	<u>28.5</u>	28.5	<u>84.4</u>	84.3	5.5	5.5	9.1	5				
						3.5	0.1	147	29.2		8.1		<u>28.6</u>		84.1		5.5		9.2	4				
					Bottom	6.0	0.1	175	<u>29.2</u>	29.2	8.1	8.1	<u>28.7</u>	28.7	<u>84.7</u>	84.8	5.5	5.6	9.0	3				
						6.0	0.2	167	29.2		8.1		<u>28.7</u>		84.9		5.6		5.6	9.2	4			
IM7	Cloudy	Moderate	14:33	8.0	Surface	1.0	0.2	86	<u>29.7</u>	29.7	8.1	8.1	<u>24.5</u>	24.5	<u>86.6</u>	86.6	5.8	5.7	4.0	6.1	4	4	821372	806822
						1.0	0.1	92	29.6		8.1		<u>24.5</u>		86.6		5.8		4.3		4			
					Middle	4.0	0.1	91	<u>29.5</u>	29.5	8.1	8.1	<u>27.4</u>	27.4	<u>85.9</u>	85.9	5.6	5.6	6.4	4				
						4.0	0.1	93	29.5		8.1		<u>27.4</u>		85.8		5.6		6.5	4				
					Bottom	7.0	0.2	70	<u>29.4</u>	29.4	8.1	8.1	<u>27.6</u>	27.6	<u>85.9</u>	86.0	5.6	5.6	7.6	4				
						7.0	0.2	70	29.4		8.1		<u>27.7</u>		86.0		5.6		5.6	7.6	4			

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA										
IM10	Sunny	Moderate	13:43	9.0	Surface	1.0	0.1	13	26.2	26.2	8.0	8.0	28.4	28.4	97.1	97.2	6.7	6.6	6.5	7.9	4	4	822248	809854						
						1.0	0.0	16	26.1		8.0	8.0	28.4	28.4	97.2	97.2	6.7		6.5											
					Middle	4.5	0.1	17	26.0	26.0	8.0	8.0	28.8	28.8	93.3	93.5	6.4	6.6	8.1	7.9	3				4	822248	809854			
						4.5	0.2	9	26.0		8.0	8.0	28.8	28.8	93.6	93.5	6.4		8.0											
					Bottom	8.0	0.1	24	26.2	26.2	8.0	8.0	28.4	28.4	95.1	95.3	6.5	6.6	9.3	7.9	4							4	822248	809854
						8.0	0.0	31	26.2		8.0	8.0	28.3	28.4	95.4	95.3	6.6		9.3											
IM11	Sunny	Moderate	13:47	7.2	Surface	1.0	0.1	32	26.4	26.4	8.0	8.0	28.4	28.4	97.6	97.5	6.7	6.6	5.8	7.6	2	3	821484	810555						
						1.0	0.0	29	26.4		8.0	8.0	28.4	28.4	97.3	97.5	6.7		5.8											
					Middle	3.6	0.1	42	26.1	26.1	8.0	8.0	28.8	28.8	93.1	93.0	6.4	6.5	8.0	7.6	3				3	821484	810555			
						3.6	0.1	41	26.1		8.0	8.0	28.9	28.8	92.9	93.0	6.4		7.9											
					Bottom	6.2	0.0	30	26.0	26.0	8.0	8.0	29.0	29.0	93.8	93.9	6.4	6.5	8.9	7.6	3							3	821484	810555
						6.2	0.0	35	26.0		8.0	8.0	29.0	29.0	94.0	93.9	6.5		8.8											
IM12	Sunny	Moderate	13:52	8.2	Surface	1.0	0.1	92	26.1	26.1	8.0	8.0	28.7	28.7	96.1	96.0	6.6	6.4	6.2	7.4	4	4	821172	811533						
						1.0	0.1	99	26.1		8.0	8.0	28.7	28.7	95.9	96.0	6.6		6.1											
					Middle	4.1	0.1	66	25.9	25.9	8.0	8.0	29.1	29.1	88.8	88.9	6.1	6.3	7.1	7.4	4				4	821172	811533			
						4.1	0.1	61	25.9		8.0	8.0	29.1	29.1	88.9	88.9	6.1		7.1											
					Bottom	7.2	0.0	58	25.8	25.8	8.0	8.0	29.2	29.2	91.2	91.3	6.3	6.3	9.0	7.4	4							4	821172	811533
						7.2	0.0	60	25.8		8.0	8.0	29.2	29.2	91.4	91.3	6.3		9.0											
SR1A	Fine	Moderate	14:11	4.8	Surface	1.0	0.0	29	26.2	26.2	8.0	8.0	28.5	28.5	94.6	94.6	6.5	6.5	4.5	5.1	3	3	819983	812656						
						1.0	0.0	35	26.2		8.0	8.0	28.5	28.5	94.6	94.6	6.5		4.5											
					Middle	2.4	0.1	38	-	-	-	-	-	-	-	-	-	6.5	-	5.1	-				3	819983	812656			
						2.4	0.0	36	-		-	-	-	-	-	-	-		-											
					Bottom	3.8	0.0	33	26.2	26.2	8.0	8.0	28.5	28.5	94.9	95.0	6.5	6.5	5.7	5.1	3							3	819983	812656
						3.8	0.1	29	26.2		8.0	8.0	28.5	28.5	95.0	95.0	6.5		5.8											
SR2	Fine	Moderate	14:23	4.0	Surface	1.0	0.2	57	26.2	26.2	8.1	8.1	28.6	28.6	99.4	99.3	6.8	6.8	6.9	7.2	3	4	821459	814170						
						1.0	0.2	56	26.2		8.1	8.1	28.6	28.6	99.2	99.3	6.8		6.9											
					Middle	-	0.2	41	-	-	-	-	-	-	-	-	-	6.8	-	7.2	-				4	821459	814170			
						-	0.1	37	-		-	-	-	-	-	-	-		-											
					Bottom	3.0	0.2	53	26.0	26.0	8.0	8.0	28.8	28.8	99.0	99.3	6.8	6.8	7.6	7.2	5							4	821459	814170
						3.0	0.2	47	26.0		8.0	8.0	28.8	28.8	99.5	99.3	6.8		7.6											
SR3	Cloudy	Moderate	14:26	9.3	Surface	1.0	0.1	98	30.0	30.0	8.0	8.0	24.1	24.1	88.0	88.0	5.8	5.8	4.0	6.0	4	4	822154	807593						
						1.0	0.1	92	29.9		8.0	8.0	24.2	24.1	88.0	88.0	5.8		4.1											
					Middle	4.7	0.1	115	29.7	29.7	8.1	8.1	26.4	26.4	87.7	87.7	5.8	5.8	5.0	6.0	3				4	822154	807593			
						4.7	0.2	109	29.7		8.1	8.1	26.4	26.4	87.7	87.7	5.8		5.2											
					Bottom	8.3	0.1	134	29.6	29.6	8.1	8.1	27.3	27.3	87.9	87.9	5.8	5.8	8.6	6.0	3							4	822154	807593
						8.3	0.1	141	29.5		8.1	8.1	27.3	27.3	87.9	87.9	5.8		9.1											
SR4A	Cloudy	Moderate	16:03	9.0	Surface	1.0	0.0	76	30.1	30.1	8.1	8.1	27.2	27.2	93.6	93.6	6.1	5.9	6.2	7.3	11	8	817169	807828						
						1.0	0.0	83	30.0		8.1	8.1	27.2	27.2	93.6	93.6	6.1		6.3											
					Middle	4.5	0.0	49	29.5	29.5	8.1	8.1	27.7	27.7	87.4	87.4	5.7	5.8	7.7	7.3	8				8	817169	807828			
						4.5	0.1	50	29.5		8.1	8.1	27.7	27.7	87.4	87.4	5.7		7.8											
					Bottom	8.0	0.0	74	29.4	29.4	8.1	8.1	27.7	27.7	88.0	88.2	5.8	5.8	8.1	7.3	7							8	817169	807828
						8.0	0.0	67	29.4		8.1	8.1	27.7	27.7	88.3	88.2	5.8		8.0											
SR8	Sunny	Moderate	13:56	5.0	Surface	1.0	-	-	26.1	26.1	8.0	8.0	28.6	28.6	91.4	91.3	6.3	6.3	8.1	8.6	3	4	820369	811615						
						1.0	-	-	26.1		8.0	8.0	28.6	28.6	91.2	91.3	6.3		8.1											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	8.6	-				4	820369	811615			
						-	-	-	-		-	-	-	-	-	-	-		-											
					Bottom	4.0	-	-	25.9	25.9	8.0	8.0	28.7	28.7	89.8	89.8	6.2	6.2	9.2	8.6	5							4	820369	811615
						4.0	-	-	25.9		8.0	8.0	28.7	28.7	89.8	89.8	6.2		9.1											

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 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	09:49	8.6	Surface	1.0	0.5	30	29.4	29.4	8.1	8.1	27.0	27.0	90.6	90.4	6.0	5.9	8.6	8.7	6	5	815629	804246
						1.0	0.5	33	29.4	8.1	27.0	90.2	5.8	8.3	5									
					Middle	4.3	0.4	44	29.2	8.1	8.1	29.2	29.2	88.2	88.2	5.8	5.8	7.7	5					
						4.3	0.4	41	29.2	8.1	29.2	88.2	5.8	7.1	5									
					Bottom	7.6	0.4	19	29.1	8.1	8.1	29.4	29.4	88.5	88.5	5.8	5.8	10.2	4					
						7.6	0.4	22	29.1	8.1	29.4	88.5	5.8	10.3	5									
C2	Fine	Moderate	11:28	12.7	Surface	1.0	0.4	344	29.7	29.7	8.0	8.0	25.4	25.4	82.4	82.5	5.5	5.5	3.0	4.7	4	4	825705	806934
						1.0	0.5	349	29.7	8.0	25.4	82.5	5.5	3.0	4									
					Middle	6.4	0.4	343	29.5	8.0	8.0	25.5	25.5	80.4	80.4	5.3	5.3	5.4	3					
						6.4	0.4	337	29.5	8.0	25.6	80.4	5.3	5.4	4									
					Bottom	11.7	0.4	334	29.5	8.0	8.0	25.6	25.6	80.3	80.3	5.3	5.3	5.7	3					
						11.7	0.5	327	29.5	8.0	25.6	80.3	5.3	6.0	4									
C3	Sunny	Moderate	09:19	12.2	Surface	1.0	0.5	261	25.9	25.9	8.0	8.0	28.6	28.7	89.7	89.7	6.2	6.2	4.6	5.6	4	3	822111	817818
						1.0	0.5	258	25.8	8.0	28.7	89.6	6.2	4.7	2									
					Middle	6.1	0.6	277	25.5	8.0	8.0	29.9	29.9	82.2	82.1	5.7	5.7	5.1	3					
						6.1	0.6	279	25.5	8.0	29.9	82.0	5.7	5.2	3									
					Bottom	11.2	0.5	249	25.5	8.0	8.0	30.2	30.2	79.8	79.8	5.5	5.5	7.0	3					
						11.2	0.6	247	25.5	8.0	30.1	79.8	5.5	7.0	2									
IM1	Fine	Moderate	10:12	6.5	Surface	1.0	0.3	14	29.4	29.4	8.1	8.1	27.9	27.9	87.9	87.8	5.8	5.8	7.3	8.9	4	5	818356	806448
						1.0	0.3	16	29.3	8.1	27.9	87.7	5.8	7.4	4									
					Middle	3.3	0.3	4	29.2	8.1	8.1	28.8	28.8	84.2	84.2	5.5	5.5	7.9	5					
						3.3	0.3	10	29.2	8.1	28.9	84.2	5.5	8.1	5									
					Bottom	5.5	0.3	40	29.1	8.1	8.1	29.4	29.4	84.5	84.6	5.5	5.5	11.5	6					
						5.5	0.3	33	29.1	8.1	29.4	84.6	5.5	11.2	5									
IM2	Fine	Moderate	10:17	6.6	Surface	1.0	0.3	0	29.3	29.3	8.1	8.1	28.1	28.2	89.8	87.8	5.9	5.6	6.5	9.8	3	4	819189	806244
						1.0	0.3	2	29.3	8.1	28.2	85.7	5.6	6.7	4									
					Middle	3.3	0.3	358	29.2	8.1	8.1	28.6	28.7	85.1	85.1	5.6	5.6	12.6	4					
						3.3	0.3	356	29.2	8.1	28.7	85.1	5.6	12.2	4									
					Bottom	5.6	0.3	6	29.2	8.1	8.1	29.1	29.0	85.7	85.7	5.6	5.6	10.0	4					
						5.6	0.3	6	29.2	8.1	29.0	85.7	5.6	10.7	4									
IM7	Fine	Moderate	10:49	8.2	Surface	1.0	0.3	18	29.8	29.8	8.0	8.0	24.4	24.4	85.1	85.2	5.6	5.6	11.3	9.0	4	4	821344	806840
						1.0	0.2	12	29.8	8.0	24.4	85.2	5.7	11.3	5									
					Middle	4.1	0.3	355	29.5	8.1	8.1	27.4	27.3	85.7	85.7	5.6	5.6	6.8	4					
						4.1	0.3	359	29.5	8.1	27.2	85.7	5.6	7.2	4									
					Bottom	7.2	0.2	30	29.4	8.1	8.1	27.9	27.9	85.8	85.9	5.6	5.6	8.8	4					
						7.2	0.3	31	29.4	8.1	27.9	85.9	5.6	8.9	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 03 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Sunny	Moderate	10:32	8.2	Surface	1.0	0.4	285	26.0	26.0	8.0	8.0	28.6	28.7	93.4	93.3	6.4	6.4	6.8	6.8	3	3	822239	809858
						1.0	0.4	281	26.0		8.0	8.0	28.7	28.7	93.2	93.3	6.4	6.4						
					Middle	4.1	0.4	278	25.9	25.9	8.0	8.0	29.1	29.1	92.9	92.9	6.4	6.4	6.4	6.4	3	3		
						4.1	0.4	282	25.9		8.0	8.0	29.1	29.1	92.9	92.9	6.4	6.4						
					Bottom	7.2	0.4	287	25.7	25.7	8.0	8.0	29.2	29.3	93.5	93.6	6.4	6.5	6.5	6.5	4	3		
						7.2	0.3	283	25.7		8.0	8.0	29.3	29.3	93.7	93.6	6.5	6.5						
IM11	Sunny	Moderate	10:26	7.6	Surface	1.0	0.5	281	26.2	26.2	8.0	8.0	28.6	28.6	97.6	97.5	6.7	6.7	6.4	6.4	3	4	821511	810525
						1.0	0.4	286	26.1		8.0	8.0	28.7	28.6	97.3	97.5	6.7	6.7						
					Middle	3.8	0.5	290	25.9	25.9	8.0	8.0	29.2	29.2	89.2	89.2	6.1	6.1	6.1	6.1	3	4		
						3.8	0.5	289	25.9		8.0	8.0	29.2	29.2	89.2	89.2	6.1	6.1						
					Bottom	6.6	0.5	280	26.0	26.1	8.0	8.0	29.0	29.0	90.2	90.4	6.2	6.2	6.2	6.2	4	4		
						6.6	0.5	283	26.1		8.0	8.0	29.0	29.0	90.6	90.4	6.2	6.2						
IM12	Sunny	Moderate	10:20	8.6	Surface	1.0	0.5	274	26.2	26.2	8.0	8.0	28.4	28.4	94.8	94.8	6.5	6.5	6.3	5.2	4	4	821146	811535
						1.0	0.6	275	26.2		8.0	8.0	28.4	28.4	94.8	94.8	6.5	6.5						
					Middle	4.3	0.5	265	25.9	25.9	8.0	8.0	29.2	29.2	87.5	87.4	6.0	6.0	6.0	6.0	4	3		
						4.3	0.5	266	25.9		8.0	8.0	29.2	29.2	87.3	87.4	6.0	6.0						
					Bottom	7.6	0.5	282	25.9	25.9	8.0	8.0	29.3	29.2	88.1	88.2	6.1	6.1	6.1	6.1	4	4		
						7.6	0.4	288	25.9		8.0	8.0	29.2	29.2	88.2	88.2	6.1	6.1						
SR1A	Sunny	Moderate	09:58	4.2	Surface	1.0	0.1	183	26.1	26.1	8.0	8.0	28.5	28.5	95.7	95.8	6.6	6.6	6.6	6.7	5	4	819974	812665
						1.0	0.0	181	26.1		8.0	8.0	28.5	28.5	95.8	95.8	6.6	6.6						
					Middle	2.1	0.1	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.1	0.1	180	-		-	-	-	-	-	-	-	-						
					Bottom	3.2	0.0	170	25.8	25.8	8.0	8.0	28.7	28.7	96.7	96.9	6.7	6.7	6.7	6.7	4	3		
						3.2	0.0	164	25.7		8.0	8.0	28.7	28.7	97.0	96.9	6.7	6.7						
SR2	Sunny	Moderate	09:46	4.2	Surface	1.0	0.1	252	26.2	26.2	8.0	8.0	27.9	28.0	98.8	98.8	6.8	6.8	6.8	5.0	5	4	821467	814142
						1.0	0.1	250	26.2		8.0	8.0	28.0	28.0	98.7	98.8	6.8	6.8						
					Middle	-	0.1	259	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	0.1	260	-		-	-	-	-	-	-	-	-						
					Bottom	3.2	0.2	260	26.2	26.2	8.0	8.0	28.5	28.4	95.4	95.6	6.5	6.6	6.6	6.6	5.1	5.0		
						3.2	0.1	266	26.2		8.0	8.0	28.4	28.4	95.7	95.6	6.6	6.6						
SR3	Fine	Moderate	10:55	8.7	Surface	1.0	0.4	334	30.0	30.0	8.0	8.0	23.9	23.9	87.8	87.8	5.8	5.8	5.8	9.9	4	4	822149	807588
						1.0	0.4	337	30.0		8.0	8.0	23.9	23.9	87.7	87.8	5.8	5.8						
					Middle	4.4	0.4	346	29.7	29.7	8.1	8.1	26.5	26.6	87.6	87.6	5.8	5.8	5.8	5.7	9.2	9.4		
						4.4	0.4	339	29.7		8.1	8.1	26.6	26.6	87.6	87.6	5.8	5.8						
					Bottom	7.7	0.4	7	29.5	29.5	8.1	8.1	27.4	27.4	87.3	87.3	5.7	5.7	5.7	5.7	13.8	14.0		
						7.7	0.4	5	29.5		8.1	8.1	27.4	27.4	87.3	87.3	5.7	5.7						
SR4A	Fine	Moderate	09:29	8.2	Surface	1.0	0.0	188	29.5	29.5	8.0	8.0	27.6	27.6	88.8	88.8	5.8	5.8	5.8	11.3	6	6	817191	807791
						1.0	0.1	187	29.5		8.0	8.0	27.6	27.6	88.8	88.8	5.8	5.8						
					Middle	4.1	0.0	185	29.3	29.3	8.0	8.0	28.4	28.4	87.2	87.2	5.7	5.7	5.7	5.7	11.9	12.0		
						4.1	0.0	181	29.3		8.0	8.0	28.4	28.4	87.2	87.2	5.7	5.7						
					Bottom	7.2	0.1	184	29.3	29.3	8.0	8.0	28.6	28.6	87.5	87.5	5.7	5.7	5.7	5.7	12.4	12.3		
						7.2	0.0	183	29.3		8.0	8.0	28.6	28.6	87.5	87.5	5.7	5.7						
SR8	Sunny	Moderate	10:15	5.6	Surface	1.0	-	-	26.1	26.1	8.0	8.0	28.5	28.5	92.8	92.8	6.4	6.4	6.4	8.5	4	3	820398	811637
						1.0	-	-	26.1		8.0	8.0	28.5	28.5	92.8	92.8	6.4	6.4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-		-	-	-	-	-	-	-	-						
					Bottom	4.6	-	-	26.0	26.0	8.0	8.0	28.6	28.6	92.9	93.0	6.4	6.4	6.4	6.4	8.7	8.7		
						4.6	-	-	26.0		8.0	8.0	28.6	28.6	93.0	93.0	6.4	6.4						

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 05 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	16:59	8.4	Surface	1.0	0.1	218	29.7	8.1	8.1	26.4	26.4	90.9	90.9	6.0	5.8	9.4	2	3	815615	804254		
						1.0	0.1	215	29.7	8.1	8.1	26.4	26.4	90.9	6.0	3.7								
					Middle	4.2	0.1	196	29.3	8.1	8.1	30.8	30.7	85.4	85.4	5.5			4					
						4.2	0.1	199	29.3	8.1	8.1	30.7	30.7	85.4	85.4	5.5			4					
					Bottom	7.4	0.1	224	29.3	8.1	8.1	31.3	31.3	85.1	85.2	5.5			5.5				12.9	4
						7.4	0.1	229	29.3	8.1	8.1	31.3	31.3	85.2	85.2	5.5			5.5				12.8	3
C2	Cloudy	Moderate	15:28	12.1	Surface	1.0	0.1	331	30.1	8.0	8.0	22.7	22.6	88.5	88.5	5.9	5.8	2.2	3	3	825688	806948		
						1.0	0.2	329	30.1	8.0	8.0	22.6	22.6	88.4	88.5	5.9			2.2					
					Middle	6.1	0.1	335	29.9	8.0	8.0	24.3	24.3	84.1	84.1	5.6			2.2					
						6.1	0.1	338	29.9	8.0	8.0	24.3	24.3	84.1	84.1	5.6			2.2					
					Bottom	11.1	0.1	0	29.9	8.0	8.0	24.5	24.5	83.8	83.8	5.6			5.6				2.2	2
						11.1	0.0	2	29.9	8.0	8.0	24.5	24.5	83.8	83.8	5.6			5.6				2.1	2
C3	Fine	Moderate	16:23	10.2	Surface	1.0	0.0	10	28.9	8.1	8.1	22.6	22.6	152.4	150.5	10.4	8.3	4.8	3	3	822120	817779		
						1.0	0.1	6	28.8	8.1	8.1	22.6	22.6	148.5	150.5	10.1			3.0					
					Middle	5.1	0.0	33	28.3	8.1	8.1	24.4	24.4	91.8	91.9	6.2			4.9					
						5.1	0.1	26	28.3	8.1	8.1	24.4	24.4	91.9	91.9	6.3			4.9					
					Bottom	9.2	0.1	8	28.1	8.1	8.1	28.3	28.3	86.8	87.1	5.8			5.8				6.6	4
						9.2	0.1	14	28.1	8.1	8.1	28.3	28.3	87.4	87.4	5.8			5.8				6.5	3
IM1	Cloudy	Moderate	16:35	6.8	Surface	1.0	0.0	188	29.9	8.1	8.1	26.4	26.4	87.0	87.0	5.7	5.3	9.2	3	4	818344	806446		
						1.0	0.0	189	29.9	8.1	8.1	26.4	26.4	87.0	87.0	5.7			4.5					
					Middle	3.4	0.1	173	29.3	8.1	8.1	29.8	29.8	76.1	76.2	4.9			13.2					
						3.4	0.0	176	29.3	8.1	8.1	29.8	29.8	76.2	76.2	4.9			13.9					
					Bottom	5.8	0.0	193	29.3	8.1	8.1	29.9	29.9	76.7	76.9	5.0			5.0				9.3	4
						5.8	0.0	193	29.3	8.1	8.1	29.9	29.9	77.0	77.0	5.0			5.0				9.7	4
IM2	Cloudy	Moderate	16:31	7.0	Surface	1.0	0.1	80	29.7	8.1	8.1	27.2	27.1	86.3	86.4	5.6	5.3	8.3	3	3	819164	806215		
						1.0	0.1	80	29.8	8.1	8.1	27.0	27.1	86.5	86.5	5.7			4.4					
					Middle	3.5	0.1	92	29.4	8.1	8.1	29.9	30.0	75.6	75.6	4.9			12.8					
						3.5	0.1	97	29.4	8.1	8.1	30.0	30.0	75.6	75.6	4.9			12.1					
					Bottom	6.0	0.0	89	29.4	8.1	8.1	30.3	30.2	76.9	77.0	5.0			5.0				8.0	2
						6.0	0.0	85	29.4	8.1	8.1	30.2	30.2	77.0	77.0	5.0			5.0				8.0	2
IM7	Cloudy	Moderate	15:56	7.6	Surface	1.0	0.0	81	30.0	8.0	8.0	23.0	23.0	90.6	90.7	6.0	6.0	2.1	2	3	821360	806835		
						1.0	0.0	88	30.0	8.0	8.0	23.0	23.0	90.7	90.7	6.0			2.0					
					Middle	3.8	0.1	72	29.8	8.0	8.0	23.4	23.4	88.1	88.1	5.9			2.2					
						3.8	0.1	73	29.8	8.0	8.0	23.4	23.4	88.1	88.1	5.9			2.2					
					Bottom	6.6	0.1	91	29.8	8.0	8.0	23.5	23.5	89.1	89.1	5.9			5.9				2.2	3
						6.6	0.1	90	29.8	8.0	8.0	23.5	23.5	89.1	89.1	5.9			5.9				2.2	3

DA: Depth-Averaged

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

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

Note: The monitoring session on 7 October 2023 was cancelled due to Strong Wind Signal No.3 in force.

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 05 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Sunny	Moderate	15:26	9.2	Surface	1.0	0.1	314	29.2	29.2	8.1	8.1	23.7	23.7	85.8	85.7	5.8	5.8	1.2	1.2	4	4	822256	809832				
						1.0	0.1	306	29.2	8.1	8.1	23.7	23.7	85.5	85.7	5.8	5.8	1.2	1.2	5	5							
					Middle	4.6	0.1	316	29.1	29.2	8.1	8.1	23.9	23.8	81.0	81.0	5.4	5.4	2.2	2.2	3	3						
						4.6	0.1	310	29.2	29.2	8.1	8.1	23.8	23.8	80.9	81.0	5.4	5.4	2.2	2.2	3	3						
					Bottom	8.2	0.0	308	29.2	29.2	8.1	8.1	23.5	23.5	81.3	81.5	5.5	5.5	3.0	3.0	3	3						
						8.2	0.1	311	29.2	29.2	8.1	8.1	23.4	23.5	81.6	81.5	5.5	5.5	3.0	3.0	2	2						
IM11	Sunny	Moderate	15:31	7.2	Surface	1.0	0.1	318	29.3	29.3	8.1	8.1	22.8	22.8	89.2	89.2	6.0	6.0	1.7	1.7	3	3	821508	810556				
						1.0	0.1	311	29.3	29.3	8.1	8.1	22.9	22.8	89.1	89.2	6.0	6.0	1.7	1.7	4	4						
					Middle	3.6	0.1	318	29.3	29.3	8.1	8.1	23.2	23.2	89.9	90.0	6.1	6.1	3.9	3.9	4	4						
						3.6	0.1	311	29.3	29.3	8.1	8.1	23.2	23.2	90.1	90.0	6.1	6.1	3.8	3.8	3	3						
					Bottom	6.2	0.1	295	29.3	29.3	8.1	8.1	23.2	23.1	91.2	91.5	6.1	6.1	4.4	4.4	2	2						
						6.2	0.0	295	29.3	29.3	8.1	8.1	23.1	23.1	91.7	91.5	6.2	6.2	4.3	4.3	3	3						
IM12	Sunny	Moderate	15:35	8.0	Surface	1.0	0.1	300	29.1	29.1	8.1	8.1	24.7	24.7	83.0	83.0	5.6	5.6	2.1	2.1	2	2	821154	811536				
						1.0	0.1	296	29.1	29.1	8.1	8.1	24.7	24.7	82.9	83.0	5.6	5.6	2.0	2.0	3	3						
					Middle	4.0	0.1	315	29.1	29.1	8.1	8.1	24.9	24.9	82.7	82.7	5.5	5.5	3.2	3.2	2	2						
						4.0	0.1	316	29.1	29.1	8.1	8.1	24.9	24.9	82.6	82.7	5.5	5.5	3.2	3.2	3	3						
					Bottom	7.0	0.1	321	29.0	29.0	8.1	8.1	25.0	25.0	82.6	82.7	5.5	5.5	4.8	4.8	3	3						
						7.0	0.0	328	29.0	29.0	8.1	8.1	25.0	25.0	82.7	82.7	5.5	5.5	4.9	4.9	2	2						
SR1A	Fine	Moderate	15:54	4.8	Surface	1.0	0.0	24	29.3	29.3	8.1	8.1	21.4	21.4	118.2	118.0	8.0	8.0	1.1	1.1	3	3	819979	812658				
						1.0	0.1	19	29.3	29.3	8.1	8.1	21.4	21.4	117.7	118.0	8.0	8.0	1.1	1.1	3	3						
					Middle	2.4	0.0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						2.4	0.0	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	3.8	0.0	28	29.5	29.5	8.1	8.1	23.3	23.2	113.0	113.7	7.6	7.7	2.3	2.3	4	4						
						3.8	0.0	34	29.5	29.5	8.1	8.1	23.2	23.2	114.4	113.7	7.7	7.7	2.3	2.3	3	3						
SR2	Fine	Moderate	16:06	5.0	Surface	1.0	0.1	47	29.5	29.5	8.1	8.1	21.5	21.5	120.5	120.5	8.1	8.1	1.0	1.0	3	3	821440	814181				
						1.0	0.1	43	29.5	29.5	8.1	8.1	21.5	21.5	120.5	120.5	8.1	8.1	1.0	1.0	2	2						
					Middle	-	0.1	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	0.1	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.0	0.0	76	29.5	29.5	8.1	8.1	24.4	24.4	120.2	120.2	8.0	8.0	2.8	2.8	4	4						
						4.0	0.1	70	29.5	29.5	8.1	8.1	24.4	24.4	120.2	120.2	8.0	8.0	2.8	2.8	3	3						
SR3	Cloudy	Moderate	15:49	8.6	Surface	1.0	0.1	19	30.1	30.1	8.0	8.0	22.7	22.7	90.5	90.5	6.0	6.0	2.2	2.2	4	4	822162	807563				
						1.0	0.1	24	30.0	30.1	8.0	8.0	22.8	22.7	90.4	90.5	6.0	6.0	2.2	2.2	4	4						
					Middle	4.3	0.1	8	29.9	29.9	8.0	8.0	24.0	24.0	85.0	85.1	5.6	5.6	2.4	2.4	4	4						
						4.3	0.0	1	29.9	29.9	8.0	8.0	23.9	24.0	85.1	85.1	5.7	5.7	2.4	2.4	3	3						
					Bottom	7.6	0.1	22	29.8	29.8	8.0	8.0	26.0	26.0	80.9	81.0	5.3	5.3	3.4	3.4	3	3						
						7.6	0.1	18	29.8	29.8	8.0	8.0	26.0	26.0	81.0	81.0	5.3	5.3	3.3	3.3	4	4						
SR4A	Cloudy	Moderate	17:28	8.8	Surface	1.0	0.0	344	30.0	30.0	8.1	8.1	26.5	26.5	89.2	89.2	5.8	5.8	3.5	3.5	4	4	817185	807824				
						1.0	0.0	351	30.0	30.0	8.1	8.1	26.5	26.5	89.2	89.2	5.8	5.8	3.5	3.5	5	5						
					Middle	4.4	0.0	319	29.6	29.6	8.1	8.1	26.9	26.9	86.9	86.8	5.7	5.7	7.7	7.7	3	3						
						4.4	0.0	311	29.6	29.6	8.1	8.1	27.0	26.9	86.7	86.8	5.7	5.7	8.2	8.2	3	3						
					Bottom	7.8	0.0	329	29.4	29.4	8.1	8.1	27.2	27.2	86.3	86.4	5.7	5.7	12.3	12.3	3	3						
						7.8	0.0	331	29.4	29.4	8.1	8.1	27.2	27.2	86.4	86.4	5.7	5.7	12.0	12.0	2	2						
SR8	Sunny	Moderate	15:39	5.5	Surface	1.0	-	-	29.2	29.2	8.1	8.1	23.1	23.1	85.6	85.6	5.8	5.8	5.9	5.9	3	3	820411	811625				
						1.0	-	-	29.2	29.2	8.1	8.1	23.1	23.1	85.5	85.6	5.8	5.8	5.8	5.8	3	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.5	-	-	29.2	29.2	8.1	8.1	23.1	23.1	86.5	88.1	5.8	6.0	6.6	6.6	5	5						
						4.5	-	-	29.2	29.2	8.1	8.1	23.1	23.1	89.7	88.1	6.1	6.0	6.6	6.6	4	4						

DA: Depth-Averaged

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

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

Note: The monitoring session on 7 October 2023 was cancelled due to Strong Wind Signal No.3 in force.

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Fine	Moderate	10:41	8.0	Surface	1.0	0.2	19	29.7	29.7	8.1	8.1	26.0	26.0	86.8	86.8	5.7	5.7	5.6	8.3	7.0	3	3	815607	804268
						1.0	0.2	24	29.6		8.1		26.0		86.7		5.7				6.8				
					Middle	4.0	0.2	25	29.3	29.3	8.1	8.1	30.8	30.9	85.1	85.1	5.5	5.5	8.5	8.2	2				
						4.0	0.2	19	29.3		8.1		30.9		85.1		5.5		3						
					Bottom	7.0	0.2	47	29.2	29.2	8.1	8.1	31.3	31.3	85.8	85.9	5.5	5.5	9.5	9.6	3				
						7.0	0.2	39	29.2		8.1		31.3		85.9		5.5		3						
C2	Fine	Moderate	12:13	11.8	Surface	1.0	0.2	355	30.1	30.1	8.0	8.0	22.8	22.8	88.8	88.9	5.9	5.9	5.7	8.8	2.4	4	4	825678	806956
						1.0	0.2	358	30.1		8.0		22.8		88.9		5.9				2.4				
					Middle	5.9	0.3	0	29.8	29.8	8.0	8.0	24.7	24.7	83.7	83.7	5.5	5.5	10.5	10.6	4				
						5.9	0.2	0	29.8		8.0		24.8		83.6		5.5		4						
					Bottom	10.8	0.2	356	29.8	29.8	8.0	8.0	25.3	25.3	84.2	84.3	5.6	5.6	13.7	13.5	3				
						10.8	0.2	357	29.8		8.0		25.3		84.3		5.6		3						
C3	Sunny	Moderate	12:13	11.0	Surface	1.0	0.4	264	28.5	28.5	8.1	8.1	24.5	24.6	97.0	96.8	7.0	7.0	6.4	3.1	2.1	2	2	822118	817813
						1.0	0.4	263	28.5		8.1		24.6		96.5		6.9				2.1				
					Middle	5.5	0.4	261	28.2	28.2	8.1	8.1	25.5	25.5	83.0	83.0	5.9	5.9	3.2	3.2	3				
						5.5	0.3	258	28.2		8.1		25.5		82.9		5.9		2						
					Bottom	10.0	0.4	256	28.0	28.0	8.1	8.1	26.7	26.7	82.9	83.0	5.9	5.9	4.1	4.1	3				
						10.0	0.4	251	28.0		8.1		26.7		83.0		5.9		2						
IM1	Fine	Moderate	11:06	6.4	Surface	1.0	0.1	24	29.5	29.5	8.1	8.1	28.1	28.2	82.9	82.8	5.4	5.4	5.0	7.5	3.8	2	3	818338	806435
						1.0	0.2	25	29.5		8.1		28.2		82.7		5.4				3.9				
					Middle	3.2	0.1	20	29.3	29.3	8.0	8.0	30.2	30.2	71.4	71.4	4.6	4.6	7.6	7.9	3				
						3.2	0.1	21	29.3		8.0		30.2		71.4		4.6		3						
					Bottom	5.4	0.1	359	29.3	29.3	8.0	8.0	30.5	30.5	72.1	72.2	4.7	4.7	11.0	10.8	3				
						5.4	0.1	0	29.3		8.0		30.5		72.2		4.7		3						
IM2	Fine	Moderate	11:11	6.8	Surface	1.0	0.1	319	29.4	29.4	8.1	8.1	28.7	28.7	81.2	81.1	5.3	5.3	5.2	9.4	4.0	2	2	819198	806222
						1.0	0.1	312	29.4		8.1		28.7		81.0		5.3				4.2				
					Middle	3.4	0.1	330	29.3	29.3	8.1	8.1	30.0	30.0	78.0	78.1	5.1	5.1	11.5	11.9	2				
						3.4	0.1	334	29.3		8.1		30.1		78.1		5.1		2						
					Bottom	5.8	0.1	331	29.2	29.2	8.1	8.1	30.8	30.8	79.7	79.8	5.2	5.2	12.1	12.8	3				
						5.8	0.1	331	29.2		8.1		30.8		79.8		5.2		3						
IM7	Fine	Moderate	11:45	7.6	Surface	1.0	0.2	321	30.0	30.0	8.0	8.0	23.0	23.0	89.6	89.6	6.0	6.0	6.0	2.2	2.2	3	3	821353	806831
						1.0	0.2	323	30.0		8.0		23.0		89.6		6.0				2.2				
					Middle	3.8	0.2	312	29.8	29.8	8.0	8.0	23.6	23.6	88.4	88.4	5.9	5.9	2.2	2.2	3				
						3.8	0.2	305	29.8		8.0		23.6		88.4		5.9		3						
					Bottom	6.6	0.2	307	29.8	29.8	8.0	8.0	23.6	23.6	88.5	88.6	5.9	5.9	2.3	2.3	2				
						6.6	0.1	314	29.7		8.0		23.6		88.6		5.9		3						

DA: Depth-Averaged

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

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

Note: The monitoring session on 7 October 2023 was cancelled due to Strong Wind Signal No.3 in force.

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Sunny	Moderate	13:26	8.2	Surface	1.0	0.2	312	29.1	8.1	8.1	23.8	23.9	85.5	83.9	10.6	10.3	1.3	2.4	4	4	822249	809832						
						1.0	0.1	317	29.1	8.1	8.1	23.9	23.9	82.3	83.9	10.2		1.3		3									
					Middle	4.1	0.2	297	29.0	8.1	8.1	24.3	24.3	81.8	81.8	10.1		2.2		4									
						4.1	0.2	300	29.0	8.1	8.1	24.3	24.3	81.8	81.8	10.1		2.2		3									
					Bottom	7.2	0.2	318	29.0	8.1	8.1	24.4	24.4	82.9	82.9	10.2		3.5		5									
						7.2	0.2	320	29.0	8.1	8.1	24.4	24.4	82.9	82.9	10.2		3.5		4									
IM11	Sunny	Moderate	13:20	7.6	Surface	1.0	0.3	284	29.1	8.1	8.1	23.3	23.3	82.2	81.7	10.2	9.9	4.9	5.4	3	4	821498	810552						
						1.0	0.3	289	29.0	8.1	8.1	23.3	23.3	81.2	81.7	10.1		4.9		3									
					Middle	3.8	0.2	286	29.0	8.1	8.1	24.9	24.9	78.1	78.2	9.6		5.1		3									
						3.8	0.2	292	29.0	8.1	8.1	24.9	24.9	78.2	78.2	9.6		5.1		4									
					Bottom	6.6	0.2	286	29.0	8.1	8.1	24.9	24.9	80.0	80.3	9.8		6.1		5									
						6.6	0.2	281	29.0	8.1	8.1	24.9	24.9	80.5	80.3	9.9		6.2		5									
IM12	Sunny	Moderate	13:14	8.4	Surface	1.0	0.2	285	29.3	8.1	8.1	23.2	23.3	87.0	86.9	10.8	10.5	1.8	2.1	3	4	821155	811517						
						1.0	0.2	285	29.3	8.1	8.1	23.4	23.3	86.8	86.9	10.8		1.9		4									
					Middle	4.2	0.2	296	29.1	8.1	8.1	24.1	24.2	82.8	82.8	10.2		2.2		4									
						4.2	0.3	288	29.1	8.1	8.1	24.3	24.2	82.7	82.8	10.2		2.2		5									
					Bottom	7.4	0.3	311	29.1	8.1	8.1	24.4	24.4	82.8	82.9	10.2		2.4		5									
						7.4	0.2	314	29.1	8.1	8.1	24.3	24.4	83.0	82.9	10.2		2.4		4									
SR1A	Sunny	Moderate	12:52	4.2	Surface	1.0	0.0	165	29.3	8.0	8.0	22.9	22.9	88.5	88.7	6.4	6.5	3.0	4.3	3	3	819978	812663						
						1.0	0.0	171	29.3	8.0	8.0	22.9	22.9	88.9	88.7	6.5		3.1		3									
					Middle	2.1	0.0	164	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-
						2.1	0.0	160	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-
					Bottom	3.2	0.1	162	29.2	8.1	8.1	22.8	22.8	90.6	91.0	6.6		5.4		4									
						3.2	0.1	155	29.3	8.1	8.1	22.8	22.8	91.3	91.0	6.6		5.5		3									
SR2	Sunny	Moderate	12:40	4.0	Surface	1.0	0.1	265	29.1	8.1	8.1	24.4	24.4	80.0	80.0	5.7	5.7	4.1	4.6	3	3	821461	814148						
						1.0	0.0	270	29.1	8.1	8.1	24.5	24.4	79.9	80.0	5.7		4.2		2									
					Middle	-	0.1	265	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-
						-	0.1	264	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	-
					Bottom	3.0	0.1	269	29.0	8.0	8.0	25.0	25.0	78.7	78.7	5.6		5.1		3									
						3.0	0.1	266	29.0	8.0	8.0	25.0	25.0	78.7	78.7	5.6		5.1		3									
SR3	Fine	Moderate	11:51	8.3	Surface	1.0	0.1	339	30.0	8.0	8.0	22.9	23.0	89.6	89.6	6.0	5.9	2.4	2.7	3	3	822145	807579						
						1.0	0.2	338	30.0	8.0	8.0	23.0	23.0	89.6	89.6	6.0		2.4		4									
					Middle	4.2	0.1	325	29.8	8.0	8.0	23.8	23.8	85.5	85.5	5.7		2.5		3									
						4.2	0.2	322	29.8	8.0	8.0	23.8	23.8	85.5	85.5	5.7		2.5		3									
					Bottom	7.3	0.1	353	29.7	8.0	8.0	25.0	25.0	83.2	83.2	5.5		3.1		3									
						7.3	0.1	350	29.7	8.0	8.0	25.0	25.0	83.2	83.2	5.5		3.1		3									
SR4A	Fine	Moderate	10:21	8.5	Surface	1.0	0.0	253	29.7	8.0	8.0	26.3	26.3	83.4	83.4	5.5	5.5	5.4	8.3	2	4	817185	807799						
						1.0	0.1	260	29.7	8.0	8.0	26.3	26.3	83.3	83.4	5.5		5.4		3									
					Middle	4.3	-	256	29.6	8.0	8.0	26.6	26.6	82.8	82.8	5.4		9.7		4									
						4.3	0.0	256	29.6	8.0	8.0	26.6	26.6	82.8	82.8	5.5		9.8		4									
					Bottom	7.5	0.1	253	29.6	8.0	8.0	26.7	26.7	83.3	83.4	5.5		9.7		4									
						7.5	0.1	253	29.6	8.0	8.0	26.7	26.7	83.4	83.4	5.5		9.7		4									
SR8	Sunny	Moderate	13:09	4.2	Surface	1.0	-	-	29.2	8.1	8.1	22.6	22.6	82.6	82.3	10.3	10.3	3.8	4.1	5	4	820381	811613						
						1.0	-	-	29.2	8.1	8.1	22.7	22.6	81.9	82.3	10.2		3.9		4									
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-		-		-				-	-	-	-	-	
					Bottom	3.2	-	-	29.1	8.1	8.1	24.3	24.3	78.1	78.3	9.6		4.3		4									
						3.2	-	-	29.1	8.1	8.1	24.3	24.3	78.5	78.3	9.7		4.4		3									

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 10 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	10:06	8.8	Surface	1.0	0.3	209	27.0	8.1	8.1	31.9	31.9	91.8	91.8	6.1	5.9	2.7	5.9	5	815635	804223		
						1.0	0.4	215	27.0	8.1	8.1	31.9	31.9	91.8	91.8	6.1		2.8		4				
					Middle	4.4	0.3	193	27.5	8.1	8.1	32.7	32.7	86.3	86.3	5.7		5.7		7.1			4	
						4.4	0.4	194	27.5	8.1	8.1	32.7	32.7	86.3	86.3	5.7		5.7		7.0			5	
					Bottom	7.8	0.4	189	27.5	8.1	8.1	32.7	32.7	86.4	86.5	5.7		5.7		7.7			5	
						7.8	0.4	195	27.5	8.1	8.1	32.7	32.7	86.6	86.5	5.7		5.7		8.2			5	
C2	Cloudy	Moderate	11:37	11.2	Surface	1.0	0.4	164	27.1	8.1	8.1	31.5	31.5	91.6	91.6	6.1	6.1	3.0	5.8	3	825691	806963		
						1.0	0.4	169	27.1	8.1	8.1	31.5	31.5	91.5	91.6	6.1		3.0		3				
					Middle	5.6	0.4	179	27.0	8.1	8.1	31.8	31.8	90.2	90.3	6.0		6.0		6.8			3	
						5.6	0.4	183	27.0	8.1	8.1	31.8	31.8	90.3	90.3	6.0		6.0		6.9			3	
					Bottom	10.2	0.5	166	26.9	8.1	8.1	31.7	31.7	91.0	91.2	6.1		6.1		7.1			3	
						10.2	0.5	162	26.9	8.1	8.1	31.7	31.7	91.4	91.2	6.1		6.1		7.8			3	
C3	Cloudy	Rough	09:03	10.6	Surface	1.0	0.2	60	26.9	8.2	8.2	29.8	29.8	84.7	84.7	5.7	5.7	2.8	3.6	4	822125	817816		
						1.0	0.2	65	26.9	8.2	8.2	29.8	29.8	84.7	84.7	5.7		2.8		4				
					Middle	5.3	0.3	72	27.0	8.2	8.2	30.0	30.0	83.5	83.5	5.6		5.6		3.9			5	
						5.3	0.3	74	27.0	8.2	8.2	30.0	30.0	83.4	83.5	5.6		5.6		3.9			5	
					Bottom	9.6	0.2	87	27.3	8.2	8.2	30.6	30.6	81.0	81.0	5.4		5.4		4.0			5	
						9.6	0.2	85	27.3	8.2	8.2	30.6	30.6	81.0	81.0	5.4		5.4		4.1			5	
IM1	Cloudy	Moderate	10:30	6.8	Surface	1.0	0.3	186	27.1	8.1	8.1	32.4	32.4	87.4	87.4	5.8	5.8	3.8	5.8	4	818361	806436		
						1.0	0.3	193	27.1	8.1	8.1	32.4	32.4	87.3	87.4	5.8		3.8		5				
					Middle	3.4	0.3	210	27.1	8.1	8.1	32.4	32.4	87.5	87.5	5.8		5.8		4.2			4	
						3.4	0.3	204	27.1	8.1	8.1	32.4	32.4	87.5	87.5	5.8		5.8		4.4			5	
					Bottom	5.8	0.3	173	27.0	8.1	8.1	32.4	32.4	88.1	88.2	5.9		5.9		9.0			5	
						5.8	0.3	172	27.0	8.1	8.1	32.4	32.4	88.3	88.2	5.9		5.9		9.4			5	
IM2	Cloudy	Moderate	10:36	6.9	Surface	1.0	0.4	216	27.1	8.1	8.1	32.4	32.4	88.3	88.3	5.9	5.9	3.3	5.7	6	819187	806233		
						1.0	0.4	212	27.1	8.1	8.1	32.4	32.4	88.3	88.3	5.9		3.2		5				
					Middle	3.5	0.4	218	27.1	8.1	8.1	32.4	32.4	88.0	88.0	5.8		5.8		5.4			4	
						3.5	0.4	222	27.1	8.1	8.1	32.4	32.4	87.9	88.0	5.8		5.8		5.4			5	
					Bottom	5.9	0.4	186	27.1	8.1	8.1	32.4	32.4	86.3	86.3	5.7		5.7		8.2			4	
						5.9	0.4	186	27.1	8.1	8.1	32.4	32.4	86.2	86.3	5.7		5.7		8.5			5	
IM7	Cloudy	Moderate	11:05	7.8	Surface	1.0	0.2	211	26.7	8.1	8.1	31.5	31.5	92.0	92.0	6.2	6.2	2.6	3.2	5	821354	806845		
						1.0	0.2	206	26.7	8.1	8.1	31.5	31.5	92.0	92.0	6.2		2.6		4				
					Middle	3.9	0.2	192	26.8	8.1	8.1	31.7	31.7	90.9	90.9	6.1		6.1		3.2			5	
						3.9	0.2	189	26.8	8.1	8.1	31.7	31.7	90.9	90.9	6.1		6.1		3.3			4	
					Bottom	6.8	0.2	210	26.8	8.1	8.1	31.9	31.9	90.5	90.5	6.1		6.1		3.7			6	
						6.8	0.2	203	26.8	8.1	8.1	31.9	31.9	90.5	90.5	6.1		6.1		4.0			6	

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Water Quality Monitoring

Water Quality Monitoring Results on 10 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA			
IM10	Cloudy	Rough	10:41	8.7	Surface	1.0	0.3	113	26.2	26.2	8.2	8.2	28.0	28.0	87.8	87.8	6.1	6.1	1.8	1.8	3	3	822231	809825					
						1.0	0.3	119	26.2	8.2	8.2	28.0	28.0	87.7	87.8	6.1	6.1	1.8	1.8	2	2								
					Middle	4.4	0.3	105	26.1	26.1	8.2	8.2	29.4	29.4	86.8	86.8	6.0	6.0	2.4	2.4	4	4							
						4.4	0.3	103	26.1	26.1	8.2	8.2	29.4	29.4	86.7	86.8	6.0	6.0	2.5	2.5	2	2							
					Bottom	7.7	0.3	149	26.2	26.2	8.2	8.2	29.5	29.5	82.1	82.1	5.6	5.6	7.4	7.4	3	3							
						7.7	0.3	152	26.2	26.2	8.2	8.2	29.5	29.5	82.1	82.1	5.6	5.6	7.4	7.4	4	4							
IM11	Cloudy	Rough	10:26	7.6	Surface	1.0	0.3	97	26.1	26.1	8.2	8.2	28.3	28.3	90.1	90.1	6.2	6.2	2.0	2.0	6	6	821503	810552					
						1.0	0.4	96	26.1	26.1	8.2	8.2	28.3	28.3	90.1	90.1	6.2	6.2	1.9	1.9	5	5							
					Middle	3.8	0.3	109	26.1	26.1	8.2	8.2	29.2	29.2	87.7	87.7	6.0	6.0	1.6	1.6	4	4							
						3.8	0.3	104	26.1	26.1	8.2	8.2	29.2	29.2	87.6	87.7	6.0	6.0	1.6	1.6	5	5							
					Bottom	6.6	0.3	78	26.2	26.2	8.2	8.2	29.5	29.5	84.5	84.5	5.8	5.8	5.3	5.3	4	4							
						6.6	0.3	85	26.2	26.2	8.2	8.2	29.5	29.5	84.5	84.5	5.8	5.8	5.4	5.4	5	5							
IM12	Cloudy	Rough	10:18	7.2	Surface	1.0	0.5	108	26.3	26.3	8.2	8.2	28.3	28.4	84.1	84.1	5.8	5.8	2.4	2.4	5	5	821152	811531					
						1.0	0.5	108	26.3	26.3	8.2	8.2	28.4	28.4	84.1	84.1	5.8	5.8	2.4	2.4	4	4							
					Middle	3.6	0.5	90	26.4	26.4	8.2	8.2	29.0	29.0	83.9	83.9	5.7	5.7	2.4	2.4	4	4							
						3.6	0.4	92	26.4	26.4	8.2	8.2	29.0	29.0	83.9	83.9	5.7	5.7	2.4	2.4	3	3							
					Bottom	6.2	0.4	101	26.6	26.6	8.2	8.2	29.4	29.4	82.4	82.4	5.6	5.6	7.0	7.0	4	4							
						6.2	0.5	104	26.6	26.6	8.2	8.2	29.4	29.4	82.4	82.4	5.6	5.6	7.0	7.0	3	3							
SR1A	Cloudy	Moderate	09:39	4.9	Surface	1.0	0.0	99	26.1	26.1	8.2	8.2	28.5	28.5	88.7	88.7	6.1	6.1	1.1	1.1	7	7	819979	812654					
						1.0	0.1	94	26.1	26.1	8.2	8.2	28.5	28.5	88.6	88.7	6.1	6.1	1.1	1.1	6	6							
					Middle	2.5	-	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6	
						2.5	0.1	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Bottom	3.9	0.0	78	26.2	26.2	8.2	8.2	28.9	28.9	87.8	87.8	6.0	6.0	1.2	1.2	5	5							
						3.9	0.1	82	26.2	26.2	8.2	8.2	28.9	28.9	87.8	87.8	6.0	6.0	1.2	1.2	6	6							
SR2	Cloudy	Rough	09:21	5.2	Surface	1.0	0.3	46	26.5	26.5	8.2	8.2	28.8	28.8	85.8	85.8	5.9	5.9	2.4	2.4	5	5	821485	814148					
						1.0	0.4	41	26.5	26.5	8.2	8.2	28.8	28.8	85.8	85.8	5.9	5.9	2.4	2.4	5	5							
					Middle	-	0.3	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	5	5
						-	0.3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	4.2	0.4	23	26.9	26.9	8.2	8.2	29.7	29.7	85.1	85.1	5.8	5.8	3.4	3.4	4	4							
						4.2	0.3	23	26.9	26.9	8.2	8.2	29.8	29.7	85.1	85.1	5.8	5.8	3.5	3.5	5	5							
SR3	Cloudy	Moderate	11:12	8.3	Surface	1.0	0.4	178	26.8	26.8	8.1	8.1	31.4	31.4	91.9	91.9	6.2	6.2	2.3	2.3	3	3	822146	807577					
						1.0	0.4	181	26.8	26.8	8.1	8.1	31.4	31.4	91.8	91.9	6.2	6.2	2.4	2.4	4	4							
					Middle	4.2	0.4	165	26.8	26.8	8.1	8.1	31.8	31.8	89.4	89.4	6.0	6.0	4.4	4.4	4	4							
						4.2	0.3	162	26.8	26.8	8.1	8.1	31.9	31.8	89.3	89.4	6.0	6.0	4.8	4.8	5	5							
					Bottom	7.3	0.4	176	26.9	26.9	8.1	8.1	32.2	32.2	88.8	88.8	5.9	5.9	9.8	9.8	4	4							
						7.3	0.4	182	26.9	26.9	8.1	8.1	32.2	32.2	88.8	88.8	5.9	5.9	9.4	9.4	5	5							
SR4A	Cloudy	Moderate	09:41	8.2	Surface	1.0	0.0	71	27.2	27.2	8.1	8.1	31.6	31.6	85.1	85.0	5.7	5.7	3.6	3.6	5	5	817212	807799					
						1.0	0.1	68	27.2	27.2	8.1	8.1	31.7	31.6	84.9	85.0	5.7	5.7	3.7	3.7	6	6							
					Middle	4.1	0.0	86	27.5	27.5	8.1	8.1	32.7	32.7	83.7	83.7	5.5	5.5	4.9	4.9	5	5							
						4.1	0.0	83	27.5	27.5	8.1	8.1	32.7	32.7	83.6	83.7	5.5	5.5	4.8	4.8	6	6							
					Bottom	7.2	0.0	80	27.5	27.5	8.1	8.1	32.7	32.7	83.5	83.5	5.5	5.5	4.6	4.6	6	6							
						7.2	0.1	86	27.5	27.5	8.1	8.1	32.7	32.7	83.5	83.5	5.5	5.5	4.6	4.6	7	7							
SR8	Cloudy	Moderate	10:09	4.7	Surface	1.0	-	-	26.2	26.2	8.2	8.2	28.2	28.1	86.8	86.8	6.0	6.0	1.8	1.8	5	5	820376	811623					
						1.0	-	-	26.2	26.2	8.2	8.2	28.1	28.1	86.8	86.8	6.0	6.0	1.8	1.8	5	5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	5	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.7	-	-	26.2	26.2	8.2	8.2	28.3	28.2	84.9	84.9	5.9	5.9	1.7	1.7	6	6							
						3.7	-	-	26.2	26.2	8.2	8.2	28.2	28.2	84.9	84.9	5.9	5.9	1.7	1.7	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 10 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	17:34	8.6	Surface	1.0	0.3	34	27.1	27.1	8.1	8.1	32.3	32.3	89.7	89.7	6.0	6.0	9.3	9.9	8	7	815596	804233		
						1.0	0.3	40	27.1		8.1		32.3	89.7	6.0	9.4	7									
					Middle	4.3	0.3	31	27.1	27.1	8.1	8.1	32.3	32.3	88.8	88.7	5.9	5.9	10.2	5.8	6				5.8	6
						4.3	0.2	36	27.1		8.1		32.3	88.6	5.9	10.1	7									
					Bottom	7.6	0.2	22	27.0	27.0	8.1	8.1	32.2	32.2	87.2	87.1	5.8	5.8	10.1	5.8	6				5.8	6
						7.6	0.3	26	27.0		8.1		32.2	86.9	5.8	10.0	7									
C2	Cloudy	Moderate	16:01	11.5	Surface	1.0	0.1	193	27.1	27.1	8.1	8.1	31.6	31.6	91.3	91.3	6.1	6.1	2.5	4.0	6	4	825666	806947		
						1.0	0.2	198	27.1		8.1		31.6	91.2	6.1	2.5	4									
					Middle	5.8	0.1	197	27.0	27.0	8.1	8.1	31.8	31.8	90.0	90.0	6.0	6.0	3.2	6.0	4				6.0	4
						5.8	0.1	200	27.0		8.1		31.8	89.9	6.0	3.3	4									
					Bottom	10.5	0.1	187	26.9	26.9	8.1	8.1	31.8	31.8	89.4	89.5	6.0	6.0	6.1	6.0	4				6.0	4
						10.5	0.1	190	26.9		8.1		31.8	89.5	6.0	6.1	4									
C3	Cloudy	Rough	18:03	10.1	Surface	1.0	0.4	250	26.0	26.0	8.2	8.2	25.7	25.6	88.8	88.8	6.2	5.9	1.6	3.5	3	4	822114	817819		
						1.0	0.4	250	26.0		8.2		25.6	88.8	6.2	1.6	3									
					Middle	5.1	0.3	259	27.0	27.0	8.2	8.2	29.8	29.8	83.1	83.1	5.6	5.6	2.6	5.5	4				5.5	4
						5.1	0.4	262	27.0		8.2		29.8	83.1	5.6	2.7	3									
					Bottom	9.1	0.4	253	27.3	27.3	8.2	8.2	30.5	30.5	81.6	81.6	5.5	5.5	6.2	5.5	4				5.5	4
						9.1	0.4	260	27.3		8.2		30.5	81.6	5.5	6.2	5									
IM1	Cloudy	Moderate	17:08	6.4	Surface	1.0	0.2	22	27.1	27.1	8.1	8.1	32.4	32.4	87.1	87.0	5.8	5.8	6.7	8.5	7	5	818363	806443		
						1.0	0.2	27	27.1		8.1		32.4	86.8	5.8	6.9	6									
					Middle	3.2	0.2	4	27.2	27.2	8.1	8.1	32.5	32.5	86.0	86.1	5.7	5.7	8.4	5.8	4				5.8	4
						3.2	0.2	3	27.2		8.1		32.5	86.2	5.7	8.6	5									
					Bottom	5.4	0.2	37	27.2	27.2	8.1	8.1	32.5	32.5	87.9	88.0	5.8	5.8	10.4	5.8	4				5.8	4
						5.4	0.2	31	27.2		8.1		32.5	88.1	5.8	10.2	4									
IM2	Cloudy	Moderate	17:04	7.2	Surface	1.0	0.1	20	27.1	27.1	8.1	8.1	32.4	32.4	86.4	86.5	5.7	5.8	8.6	9.3	3	4	819168	806234		
						1.0	0.1	17	27.1		8.1		32.4	86.5	5.7	8.7	3									
					Middle	3.6	0.1	2	27.1	27.1	8.1	8.1	32.4	32.4	87.0	87.1	5.8	5.8	10.8	5.8	3				5.8	3
						3.6	0.1	6	27.1		8.1		32.4	87.1	5.8	10.8	4									
					Bottom	6.2	0.1	1	27.1	27.1	8.1	8.1	32.4	32.4	87.8	87.9	5.8	5.8	8.4	5.8	4				5.8	4
						6.2	0.1	357	27.1		8.1		32.4	87.9	5.8	8.5	4									
IM7	Cloudy	Moderate	16:29	7.8	Surface	1.0	0.1	281	26.8	26.8	8.1	8.1	31.5	31.5	91.8	91.8	6.2	6.2	2.8	3.3	6	5	821363	806854		
						1.0	0.1	284	26.8		8.1		31.5	91.7	6.2	2.9	6									
					Middle	3.9	0.1	291	26.8	26.8	8.1	8.1	31.7	31.7	91.5	91.5	6.1	6.1	3.4	6.1	5				6.1	5
						3.9	0.1	295	26.8		8.1		31.7	91.5	6.1	3.4	6									
					Bottom	6.8	0.1	272	26.8	26.8	8.1	8.1	31.8	31.8	92.4	92.5	6.2	6.2	3.6	6.2	5				6.2	5
						6.8	0.1	269	26.8		8.1		31.8	92.6	6.2	3.7	4									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 October 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA				
IM10	Cloudy	Rough	16:08	8.4	Surface	1.0	0.2	268	26.4	26.4	8.2	8.2	28.2	28.3	89.4	89.4	6.3	6.2	1.8	3.2	5	5	822251	809817		
						1.0	0.3	260	26.4	8.2	8.2	28.3	28.3	89.4	89.4	6.3	6.2	1.8	3.2	4						
					Middle	4.2	0.2	284	26.1	26.1	8.2	8.2	29.2	29.2	87.4	87.4	6.1	6.0	2.5	3.0	6				6	
						4.2	0.1	289	26.1	26.1	8.2	8.2	29.2	29.2	87.4	87.4	6.1	6.0	2.6	3.0	5					
					Bottom	7.4	0.2	292	26.2	26.2	8.2	8.2	29.5	29.5	85.6	85.7	5.9	6.0	5.1	6.0	6				6	
						7.4	0.2	292	26.2	26.2	8.2	8.2	29.5	29.5	85.7	85.7	5.9	6.0	5.1	6.0	6					
IM11	Cloudy	Rough	16:23	7.1	Surface	1.0	0.3	271	26.1	26.1	8.2	8.2	29.4	29.4	87.5	87.5	6.0	6.0	2.6	3.7	5	6	821510	810550		
						1.0	0.3	269	26.1	26.1	8.2	8.2	29.4	29.4	87.5	87.5	6.0	6.0	2.6	3.7	6					
					Middle	3.6	0.3	268	26.1	26.1	8.2	8.2	29.5	29.5	87.3	87.3	6.0	6.0	3.5	6.0	6				6	
						3.6	0.3	272	26.1	26.1	8.2	8.2	29.5	29.5	87.3	87.3	6.0	6.0	3.5	6.0	6					
					Bottom	6.1	0.3	262	26.1	26.1	8.2	8.2	29.6	29.6	86.8	86.8	6.0	6.0	5.0	6.0	6				6	
						6.1	0.3	263	26.1	26.1	8.2	8.2	29.6	29.6	86.8	86.8	6.0	6.0	5.0	6.0	6					
IM12	Cloudy	Rough	16:33	6.9	Surface	1.0	0.3	288	26.1	26.1	8.2	8.2	29.3	29.3	88.2	88.2	6.1	6.1	1.9	3.0	6	6	821169	811515		
						1.0	0.3	286	26.1	26.1	8.2	8.2	29.3	29.3	88.2	88.2	6.1	6.1	1.9	3.0	7					
					Middle	3.5	0.3	290	26.1	26.1	8.2	8.2	29.4	29.4	87.4	87.4	6.0	6.0	3.0	6.0	6				6	
						3.5	0.4	290	26.1	26.1	8.2	8.2	29.4	29.4	87.4	87.4	6.0	6.0	3.0	6.0	6					
					Bottom	5.9	0.4	307	26.1	26.1	8.2	8.2	29.5	29.5	87.1	87.1	6.0	6.0	4.1	6.0	5				5	
						5.9	0.4	301	26.1	26.1	8.2	8.2	29.5	29.5	87.1	87.1	6.0	6.0	4.1	6.0	5					
SR1A	Cloudy	Rough	17:14	4.5	Surface	1.0	0.0	212	26.2	26.2	8.2	8.2	29.5	29.5	90.9	90.9	6.2	6.2	4.5	4.0	8	7	819982	812661		
						1.0	0.0	215	26.2	26.2	8.2	8.2	29.5	29.5	90.9	90.9	6.2	6.2	4.5	4.0	9					
					Middle	2.3	0.0	184	-	-	-	-	-	-	-	-	-	-	-	-	-				6	6
						2.3	0.0	187	-	-	-	-	-	-	-	-	-	-	-	-	-				6	
					Bottom	3.5	0.0	189	26.1	26.1	8.2	8.2	29.5	29.5	86.9	86.9	6.0	6.0	3.4	6.0	5				5	
						3.5	0.1	196	26.1	26.1	8.2	8.2	29.5	29.5	86.9	86.9	6.0	6.0	3.5	6.0	5					
SR2	Cloudy	Rough	17:36	4.8	Surface	1.0	0.1	227	26.6	26.6	8.2	8.2	28.8	28.8	87.1	87.1	5.9	5.9	1.1	1.4	6	5	821471	814185		
						1.0	0.0	221	26.6	26.6	8.2	8.2	28.8	28.8	87.1	87.1	5.9	5.9	1.1	1.4	5					
					Middle	-	0.1	240	-	-	-	-	-	-	-	-	-	-	-	-	-				4	4
						-	0.1	242	-	-	-	-	-	-	-	-	-	-	-	-	-				4	
					Bottom	3.8	0.1	209	27.1	27.1	8.2	8.2	30.0	30.0	84.5	84.5	5.7	5.7	1.8	6.0	5				5	
						3.8	0.2	213	27.1	27.1	8.2	8.2	30.0	30.0	84.5	84.5	5.7	5.7	1.8	6.0	5					
SR3	Cloudy	Moderate	16:24	8.4	Surface	1.0	0.1	293	26.8	26.8	8.1	8.1	31.5	31.5	91.5	91.5	6.1	6.1	2.6	3.7	4	4	822127	807581		
						1.0	0.1	288	26.8	26.8	8.1	8.1	31.5	31.5	91.4	91.4	6.1	6.1	2.7	3.7	4					
					Middle	4.2	0.0	292	26.8	26.8	8.1	8.1	31.7	31.7	90.5	90.5	6.1	6.1	3.6	6.0	4				4	
						4.2	0.0	284	26.8	26.8	8.1	8.1	31.8	31.7	90.5	90.5	6.1	6.1	3.6	6.0	4					
					Bottom	7.4	0.0	325	26.8	26.8	8.1	8.1	31.9	31.9	91.1	91.1	6.1	6.1	4.7	6.0	4				4	
						7.4	0.0	326	26.7	26.8	8.1	8.1	32.0	31.9	91.2	91.2	6.1	6.1	4.8	6.0	5					
SR4A	Cloudy	Moderate	17:59	8.4	Surface	1.0	0.0	224	27.1	27.2	8.1	8.1	28.9	28.7	83.6	83.7	5.7	5.7	5.9	8.3	5	5	817182	807832		
						1.0	0.0	227	27.2	27.2	8.1	8.1	28.5	28.7	83.8	83.7	5.7	5.7	6.0	8.3	6					
					Middle	4.2	0.0	244	27.3	27.3	8.1	8.1	32.5	32.5	85.5	85.7	5.7	5.7	8.3	6.0	4				4	
						4.2	0.0	247	27.3	27.3	8.1	8.1	32.5	32.5	85.8	85.7	5.7	5.7	9.0	6.0	5					
					Bottom	7.4	0.1	234	27.3	27.3	8.1	8.1	32.4	32.4	87.9	88.1	5.8	5.8	10.1	6.0	4				4	
						7.4	0.1	239	27.3	27.3	8.1	8.1	32.4	32.4	88.2	88.2	5.8	5.8	10.7	6.0	3					
SR8	Cloudy	Rough	16:43	4.1	Surface	1.0	-	-	26.1	26.1	8.2	8.2	29.3	29.3	89.3	89.4	6.1	6.1	2.1	2.5	5	5	820413	811640		
						1.0	-	-	26.1	26.1	8.2	8.2	29.3	29.3	89.5	89.5	6.1	6.1	2.1	2.5	5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				4	
					Bottom	3.1	-	-	26.1	26.1	8.2	8.2	29.4	29.4	87.8	87.8	6.0	6.0	2.8	6.0	4				4	
						3.1	-	-	26.1	26.1	8.2	8.2	29.4	29.4	87.8	87.8	6.0	6.0	2.8	6.0	4					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Sunny	Rough	10:59	7.8	Surface	1.0	0.3	196	<u>27.7</u>	8.1	8.1	<u>32.9</u>	32.9	<u>92.3</u>	92.3	6.1	6.1	6.0	6.0	6.0	5.7	3	3	815638	804252
						1.0	0.3	197	27.7	8.1	8.1	32.9	32.9	92.2	6.1										
					Middle	3.9	0.3	216	<u>27.5</u>	8.1	8.1	<u>32.9</u>	32.9	<u>90.6</u>	90.6	6.0									
						3.9	0.3	219	27.5	8.1	8.1	32.9	32.9	90.6	6.0										
					Bottom	6.8	0.3	193	<u>27.5</u>	8.1	8.1	<u>32.9</u>	32.9	<u>90.7</u>	90.7	6.0									
						6.8	0.3	196	27.5	8.1	8.1	32.9	32.9	90.6	6.0										
C2	Sunny	Rough	12:28	9.5	Surface	1.0	0.5	170	<u>27.3</u>	8.1	8.1	<u>32.5</u>	32.5	<u>89.5</u>	89.5	5.9	5.9	5.9	5.9	5.8	5.8	3	3	825689	806947
						1.0	0.5	172	27.3	8.1	8.1	32.5	32.5	89.4	5.9										
					Middle	4.8	0.4	170	<u>27.1</u>	8.1	8.1	<u>32.7</u>	32.7	<u>88.4</u>	88.4	5.9									
						4.8	0.5	169	27.1	8.1	8.1	32.7	32.7	88.4	5.9										
					Bottom	8.5	0.5	141	<u>27.2</u>	8.1	8.1	<u>32.7</u>	32.7	<u>88.1</u>	88.1	5.8									
						8.5	0.5	148	27.2	8.1	8.1	32.7	32.7	88.1	5.8										
C3	Fine	Moderate	11:51	10.4	Surface	1.0	0.2	82	<u>27.4</u>	8.1	8.1	<u>30.4</u>	30.4	<u>81.0</u>	80.9	5.4	5.4	5.4	5.4	3.4	3	3	822118	817810	
						1.0	0.3	88	27.4	8.1	8.1	30.4	30.4	80.8	5.4										
					Middle	5.2	0.3	89	<u>27.1</u>	8.1	8.1	<u>30.5</u>	30.5	<u>79.5</u>	79.5	5.3									
						5.2	0.2	83	27.1	8.1	8.1	30.5	30.5	79.5	5.3										
					Bottom	9.4	0.3	49	<u>27.1</u>	8.1	8.1	<u>30.5</u>	30.5	<u>80.6</u>	80.7	5.4									
						9.4	0.3	48	27.1	8.1	8.1	30.5	30.5	80.7	5.4										
IM1	Sunny	Moderate	11:25	7.3	Surface	1.0	0.2	194	<u>27.7</u>	8.1	8.1	<u>32.9</u>	32.9	<u>93.0</u>	93.1	6.1	6.1	6.0	6.0	5.9	6.2	2	2	818338	806446
						1.0	0.2	192	27.7	8.1	8.1	32.9	32.9	93.1	6.1										
					Middle	3.7	0.3	197	<u>27.5</u>	8.1	8.1	<u>32.9</u>	32.9	<u>90.5</u>	90.5	6.0									
						3.7	0.3	198	27.5	8.1	8.1	32.9	32.9	90.5	6.0										
					Bottom	6.3	0.3	176	<u>27.4</u>	8.1	8.1	<u>32.9</u>	32.9	<u>89.4</u>	89.4	5.9									
						6.3	0.3	171	27.4	8.1	8.1	32.9	32.9	89.4	5.9										
IM2	Sunny	Moderate	11:33	7.5	Surface	1.0	0.3	212	<u>27.8</u>	8.1	8.1	<u>32.7</u>	32.7	<u>93.2</u>	93.2	6.1	6.0	5.9	5.9	5.4	3	3	819188	806252	
						1.0	0.3	208	27.8	8.1	8.1	32.7	32.7	93.2	6.1										
					Middle	3.8	0.3	213	<u>27.5</u>	8.1	8.1	<u>32.9</u>	32.9	<u>90.4</u>	90.4	5.9									
						3.8	0.3	216	27.5	8.1	8.1	32.9	32.9	90.4	5.9										
					Bottom	6.5	0.3	215	<u>27.4</u>	8.1	8.1	<u>32.9</u>	32.9	<u>89.0</u>	89.0	5.9									
						6.5	0.3	213	27.4	8.1	8.1	32.9	32.9	89.0	5.9										
IM7	Sunny	Rough	12:01	7.8	Surface	1.0	0.2	189	<u>27.8</u>	8.1	8.1	<u>32.7</u>	32.7	<u>93.6</u>	93.6	6.1	6.1	6.1	6.1	5.9	6.3	3	3	821327	806851
						1.0	0.2	189	27.8	8.1	8.1	32.7	32.7	93.5	6.1										
					Middle	3.9	0.2	212	<u>27.8</u>	8.1	8.1	<u>32.8</u>	32.8	<u>92.6</u>	92.6	6.1									
						3.9	0.2	217	27.8	8.1	8.1	32.8	32.8	92.6	6.1										
					Bottom	6.8	0.2	172	<u>27.4</u>	8.1	8.1	<u>32.9</u>	32.9	<u>89.1</u>	89.1	5.9									
						6.8	0.2	165	27.4	8.1	8.1	32.9	32.9	89.1	5.9										

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 12 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	13:04	8.2	Surface	1.0	0.3	142	26.8	8.1	8.1	29.7	29.7	82.9	82.9	5.6	5.6	1.6	4	4	822254	809823		
						1.0	0.3	134	26.8	8.1	8.1	29.7	29.7	82.8	82.9	5.6								
					Middle	4.1	0.3	123	26.8	8.1	8.1	29.8	29.8	82.4	82.4	5.6								
						4.1	0.3	124	26.8	8.1	8.1	29.8	29.8	82.4	82.4	5.6								
					Bottom	7.2	0.3	133	26.8	8.1	8.1	29.8	29.8	83.0	83.1	5.6								
						7.2	0.3	129	26.8	8.1	8.1	29.8	29.8	83.1	83.1	5.6								
IM11	Fine	Moderate	12:58	7.6	Surface	1.0	0.3	111	26.9	8.1	8.1	29.7	29.7	83.8	83.8	5.7	5.7	1.6	5	5	821480	810550		
						1.0	0.3	111	26.9	8.1	8.1	29.7	29.7	83.8	83.8	5.7								
					Middle	3.8	0.3	119	26.8	8.1	8.1	29.7	29.7	83.7	83.8	5.7								
						3.8	0.3	123	26.8	8.1	8.1	29.7	29.7	83.8	83.8	5.7								
					Bottom	6.6	0.3	97	26.9	8.1	8.1	29.7	29.7	84.9	85.1	5.7								
						6.6	0.3	96	27.0	8.1	8.1	29.7	29.7	85.2	85.1	5.8								
IM12	Fine	Moderate	12:52	8.4	Surface	1.0	0.3	116	26.9	8.1	8.1	29.7	29.7	87.4	87.7	5.9	5.9	1.2	4	4	821166	811495		
						1.0	0.4	109	26.9	8.1	8.1	29.7	29.7	87.9	87.7	5.9								
					Middle	4.2	0.3	90	26.9	8.1	8.1	29.7	29.7	87.4	87.7	5.9								
						4.2	0.3	92	26.9	8.1	8.1	29.7	29.7	87.9	87.7	5.9								
					Bottom	7.4	0.4	101	26.9	8.1	8.1	29.7	29.7	89.2	89.9	6.0								
						7.4	0.4	95	26.9	8.1	8.1	29.7	29.7	90.6	89.9	6.1								
SR1A	Fine	Moderate	12:30	4.4	Surface	1.0	0.0	111	27.3	8.1	8.1	30.4	30.4	81.0	81.0	5.4	5.4	2.5	3	3	819971	812658		
						1.0	0.0	107	27.2	8.1	8.1	30.4	30.4	81.0	81.0	5.4								
					Middle	2.2	0.0	102	-	-	-	-	-	-	-	-								
						2.2	0.1	104	-	-	-	-	-	-	-	-								
					Bottom	3.4	0.0	83	27.3	8.1	8.1	30.3	30.3	81.5	81.7	5.5								
						3.4	0.0	86	27.3	8.1	8.1	30.2	30.3	81.8	81.7	5.5								
SR2	Fine	Moderate	12:18	3.8	Surface	1.0	0.4	42	27.3	8.1	8.1	30.4	30.4	81.3	81.3	5.4	5.4	1.9	3	3	821475	814165		
						1.0	0.4	36	27.3	8.1	8.1	30.4	30.4	81.3	81.3	5.4								
					Middle	-	0.4	41	-	-	-	-	-	-	-	-								
						-	0.4	42	-	-	-	-	-	-	-	-								
					Bottom	2.8	0.4	55	27.2	8.1	8.1	30.4	30.4	82.1	82.2	5.5								
						2.8	0.4	59	27.2	8.1	8.1	30.4	30.4	82.2	82.2	5.5								
SR3	Sunny	Rough	12:09	8.1	Surface	1.0	0.4	177	27.4	8.1	8.1	32.4	32.4	91.5	91.5	6.0	6.0	4.2	5	5	822126	807577		
						1.0	0.4	182	27.4	8.1	8.1	32.4	32.4	91.5	91.5	6.0								
					Middle	4.1	0.4	179	27.3	8.1	8.1	32.4	32.4	91.1	91.1	6.0								
						4.1	0.4	183	27.3	8.1	8.1	32.4	32.4	91.1	91.1	6.0								
					Bottom	7.1	0.4	179	27.3	8.1	8.1	32.9	32.9	89.7	89.7	5.9								
						7.1	0.4	186	27.3	8.1	8.1	32.9	32.9	89.7	89.7	5.9								
SR4A	Sunny	Moderate	10:37	9.6	Surface	1.0	0.0	98	27.4	8.1	8.1	32.2	32.2	88.8	88.8	5.9	5.9	5.4	4	4	817212	807810		
						1.0	0.1	103	27.3	8.1	8.1	32.2	32.2	88.8	88.8	5.9								
					Middle	4.8	0.0	104	27.2	8.2	8.2	32.7	32.7	88.6	88.6	5.9								
						4.8	0.0	98	27.2	8.2	8.2	32.7	32.7	88.6	88.6	5.9								
					Bottom	8.6	0.0	113	27.2	8.2	8.2	32.8	32.8	88.5	88.5	5.9								
						8.6	0.1	115	27.2	8.2	8.2	32.8	32.8	88.5	88.5	5.9								
SR8	Fine	Moderate	12:47	5.0	Surface	1.0	-	-	27.4	8.1	8.1	30.3	30.3	82.5	82.5	5.5	5.5	2.4	3	3	820374	811612		
						1.0	-	-	27.4	8.1	8.1	30.3	30.3	82.5	82.5	5.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.0	-	-	27.1	8.1	8.1	30.3	30.3	83.6	83.9	5.6								
						4.0	-	-	27.1	8.1	8.1	30.3	30.3	84.1	84.1	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 12 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Sunny	Moderate	18:01	7.3	Surface	1.0	0.3	42	27.7	27.7	8.1	8.1	31.6	31.6	88.3	88.3	5.8	5.8	5.8	1.9	3.1	3	3	815620	804246	
						1.0	0.3	49	27.7		8.1		31.6		88.2		5.8					1.8				3
					Middle	3.7	0.3	31	27.8	27.8	8.1	8.1	32.0	32.0	87.0	87.0	5.7	5.7	5.7	5.7	3.6	3.1				3
						3.7	0.3	37	27.8		8.1		32.0		87.0		5.7									3.5
					Bottom	6.3	0.2	7	27.7	27.7	8.1	8.1	32.0	32.0	86.8	86.8	5.7	5.7	5.7	5.7	4.0	3.1				4
						6.3	0.3	2	27.7		8.1		32.0		86.8		5.7									4.0
C2	Sunny	Moderate	16:37	8.9	Surface	1.0	0.0	195	27.5	27.5	8.0	8.0	30.9	30.9	86.1	86.1	5.7	5.7	5.7	2.3	3.8	3	3	825658	806948	
						1.0	0.0	192	27.5		8.0		31.0		86.1		5.7					2.4				2
					Middle	4.5	0.1	186	27.5	27.5	8.0	8.0	31.5	31.4	85.9	85.9	5.7	5.7	5.7	5.7	2.6	3.8				4
						4.5	0.1	180	27.5		8.0		31.4		85.9		5.7									2.6
					Bottom	7.9	0.0	178	27.4	27.4	8.0	8.0	31.9	31.9	83.7	83.7	5.5	5.5	5.5	5.5	6.4	3.8				4
						7.9	0.1	180	27.4		8.0		31.9		83.7		5.5									6.4
C3	Fine	Moderate	17:32	9.4	Surface	1.0	0.4	263	26.9	26.9	8.1	8.1	30.0	30.0	82.6	82.6	5.6	5.6	5.6	2.7	3.6	3	4	822103	817817	
						1.0	0.3	258	26.9		8.1		30.1		82.6		5.6					2.7				4
					Middle	4.7	0.4	278	26.9	26.9	8.1	8.1	30.2	30.2	83.1	83.1	5.6	5.6	5.6	5.6	3.2	3.6				3
						4.7	0.4	283	26.9		8.1		30.2		83.0		5.6									3.2
					Bottom	8.4	0.4	276	26.9	26.9	8.1	8.1	30.2	30.2	87.8	88.1	5.9	5.9	6.0	6.0	4.8	3.6				3
						8.4	0.3	270	26.9		8.1		30.2		88.4		6.0									4.9
IM1	Sunny	Moderate	17:41	6.9	Surface	1.0	0.1	7	27.6	27.6	8.1	8.1	31.9	31.9	85.8	85.8	5.7	5.7	5.7	4.5	5.4	4	3	818371	806479	
						1.0	0.1	9	27.6		8.1		31.9		85.8		5.7					4.6				4
					Middle	3.5	0.2	32	27.5	27.5	8.1	8.1	31.9	31.9	84.6	84.7	5.6	5.6	5.6	5.6	3.8	5.4				4
						3.5	0.1	34	27.5		8.1		31.9		84.7		5.6									5.3
					Bottom	5.9	0.1	11	27.6	27.6	8.1	8.1	31.9	31.9	85.7	85.7	5.7	5.7	5.7	5.7	6.3	5.4				2
						5.9	0.1	12	27.6		8.1		31.9		85.7		5.7									6.3
IM2	Sunny	Moderate	17:28	7.1	Surface	1.0	0.1	310	27.6	27.6	8.1	8.1	31.9	31.9	85.5	85.5	5.6	5.6	5.6	3.8	6.1	3	3	819167	806243	
						1.0	0.1	315	27.6		8.1		31.9		85.5		5.6					3.8				2
					Middle	3.6	0.1	289	27.5	27.5	8.1	8.1	31.9	31.9	84.4	84.4	5.6	5.6	5.6	5.6	6.2	6.1				2
						3.6	0.1	284	27.5		8.1		31.9		84.4		5.6									6.2
					Bottom	6.1	0.1	306	27.5	27.5	8.1	8.1	32.0	32.0	83.9	84.0	5.6	5.6	5.6	5.6	8.4	6.1				3
						6.1	0.1	309	27.5		8.1		32.0		84.0		5.6									8.4
IM7	Sunny	Moderate	17:07	7.5	Surface	1.0	0.1	288	27.6	27.6	8.1	8.1	31.9	31.9	85.4	85.3	5.6	5.6	5.6	5.7	8.0	4	4	821352	806846	
						1.0	0.1	287	27.6		8.1		31.9		85.2		5.6					5.7				4
					Middle	3.8	0.1	284	27.5	27.5	8.1	8.0	32.0	32.0	84.4	84.4	5.6	5.6	5.6	5.6	8.4	8.0				3
						3.8	0.1	285	27.5		8.0		32.0		84.4		5.6									8.5
					Bottom	6.5	0.2	268	27.5	27.5	8.0	8.0	32.0	32.0	84.4	84.5	5.6	5.6	5.6	5.6	9.9	8.0				4
						6.5	0.2	267	27.5		8.0		32.0		84.5		5.6									9.9

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 12 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Fine	Moderate	16:35	9.0	Surface	1.0	0.2	228	27.0	8.1	8.1	29.7	29.7	83.2	83.2	5.6	5.6	1.4	1.4	3	3	822253	809817					
						1.0	0.2	223	27.0	8.1	8.1	29.7	29.7	83.1	83.2	5.6	5.6	1.4	1.4	2	2							
					Middle	4.5	0.2	249	26.8	26.8	8.1	8.1	29.7	29.7	82.6	82.6	5.6	5.6	1.7	1.7	4			4				
						4.5	0.2	253	26.8	26.8	8.1	8.1	29.7	29.7	82.5	82.5	5.6	5.6	1.7	1.7	4			4				
					Bottom	8.0	0.2	260	26.8	26.8	8.1	8.1	29.7	29.7	82.5	82.6	5.6	5.6	1.8	1.8	3			3				
						8.0	0.2	257	26.8	26.8	8.1	8.1	29.7	29.7	82.7	82.6	5.6	5.6	1.8	1.8	4			4				
IM11	Fine	Moderate	16:40	7.2	Surface	1.0	0.3	254	27.1	8.1	8.1	29.7	29.7	83.4	83.4	5.6	5.6	1.3	1.3	3	3	821524	810549					
						1.0	0.3	253	27.1	27.1	8.1	8.1	29.7	29.7	83.4	83.4	5.6	5.6	1.3	1.3	2			2				
					Middle	3.6	0.3	280	26.8	26.8	8.1	8.1	29.7	29.7	82.4	82.4	5.6	5.6	1.6	1.6	4			4				
						3.6	0.3	280	26.8	26.8	8.1	8.1	29.7	29.7	82.3	82.4	5.6	5.6	1.7	1.7	3			3				
					Bottom	6.2	0.3	279	26.9	26.9	8.1	8.1	29.7	29.7	82.7	82.9	5.6	5.6	2.3	2.3	3			3				
						6.2	0.4	276	26.9	26.9	8.1	8.1	29.7	29.7	83.0	82.9	5.6	5.6	2.3	2.3	3			3				
IM12	Fine	Moderate	16:44	8.2	Surface	1.0	0.3	271	27.0	8.1	8.1	29.7	29.7	82.7	82.6	5.6	5.6	1.7	1.7	3	3	821158	811510					
						1.0	0.3	269	26.9	27.0	8.1	8.1	29.8	29.7	82.5	82.6	5.6	5.6	1.8	1.8	3			3				
					Middle	4.1	0.2	295	26.8	26.8	8.1	8.1	29.9	29.9	81.8	81.8	5.5	5.5	2.9	2.9	3			3				
						4.1	0.2	297	26.8	26.8	8.1	8.1	29.9	29.9	81.8	81.8	5.5	5.5	3.0	3.0	2			2				
					Bottom	7.2	0.3	288	26.8	26.8	8.1	8.1	29.9	29.9	81.9	81.9	5.5	5.5	3.4	3.4	2			2				
						7.2	0.4	288	26.8	26.8	8.1	8.1	29.9	29.9	81.9	81.9	5.5	5.5	3.3	3.3	2			2				
SR1A	Fine	Moderate	17:03	4.6	Surface	1.0	0.0	171	26.8	8.1	8.1	29.6	29.6	84.8	84.9	5.7	5.8	1.8	1.8	2	2	819979	812662					
						1.0	0.0	168	26.8	26.8	8.1	8.1	29.6	29.6	85.0	84.9	5.8	5.8	1.8	1.8	2			2				
					Middle	2.3	0.0	199	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3	
						2.3	0.1	201	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2	2	
					Bottom	3.6	0.1	169	26.7	26.7	8.1	8.1	29.6	29.6	87.6	87.8	6.0	6.0	3.1	3.1	2			2				
						3.6	0.1	167	26.7	26.7	8.1	8.1	29.6	29.6	88.0	87.8	6.0	6.0	3.1	3.1	4			4				
SR2	Fine	Moderate	17:15	4.0	Surface	1.0	0.1	240	26.9	8.1	8.1	29.6	29.6	83.4	83.4	5.6	5.6	1.6	1.6	3	3	821472	814144					
						1.0	0.1	238	26.9	26.9	8.1	8.1	29.6	29.6	83.3	83.4	5.6	5.6	1.6	1.6	4			4				
					Middle	-	0.1	249	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3	3
						-	0.2	242	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3	3
					Bottom	3.0	0.1	224	26.8	26.8	8.1	8.1	29.6	29.6	83.6	83.7	5.7	5.7	2.7	2.7	3			3				
						3.0	0.2	228	26.8	26.8	8.1	8.1	29.6	29.6	83.7	83.7	5.7	5.7	2.7	2.7	3			3				
SR3	Sunny	Moderate	16:58	7.8	Surface	1.0	0.1	298	27.5	8.1	8.1	31.2	31.2	86.0	86.0	5.7	5.7	2.4	2.4	<2	<2	822124	807582					
						1.0	0.1	294	27.5	27.5	8.1	8.1	31.2	31.2	86.0	86.0	5.7	5.7	2.4	2.4	<2			<2				
					Middle	3.9	0.1	275	27.5	27.5	8.1	8.1	31.5	31.5	85.5	85.5	5.7	5.7	2.6	2.6	<2			<2				
						3.9	0.1	273	27.5	27.5	8.1	8.1	31.5	31.5	85.4	85.4	5.7	5.7	2.6	2.6	<2			<2				
					Bottom	6.8	0.1	307	27.4	27.4	8.1	8.0	31.9	31.9	82.9	82.9	5.5	5.5	7.1	7.1	2			2				
						6.8	0.1	309	27.4	27.4	8.0	8.0	31.9	31.9	82.9	82.9	5.5	5.5	7.2	7.2	3			3				
SR4A	Sunny	Moderate	18:24	9.2	Surface	1.0	0.0	184	27.6	8.1	8.1	31.4	31.4	88.4	88.4	5.8	5.8	1.6	1.6	4	4	817207	807794					
						1.0	0.0	185	27.6	27.6	8.1	8.1	31.4	31.4	88.3	88.4	5.8	5.8	1.7	1.7	4			4				
					Middle	4.6	0.0	205	27.8	27.8	8.1	8.1	31.8	31.8	87.6	87.6	5.8	5.8	2.0	2.0	4			4				
						4.6	0.1	202	27.8	27.8	8.1	8.1	31.8	31.8	87.6	87.6	5.8	5.8	2.0	2.0	4			4				
					Bottom	8.2	0.0	207	27.8	27.8	8.1	8.1	32.0	32.0	87.0	87.0	5.7	5.7	2.3	2.3	4			4				
						8.2	0.1	209	27.8	27.8	8.1	8.1	32.0	32.0	87.0	87.0	5.7	5.7	2.3	2.3	5			5				
SR8	Fine	Moderate	16:48	4.0	Surface	1.0	-	-	27.1	8.1	8.1	29.7	29.7	83.5	83.5	5.6	5.6	1.3	1.3	3	3	820402	811621					
						1.0	-	-	27.1	27.1	8.1	8.1	29.7	29.7	83.4	83.4	5.6	5.6	1.3	1.3	4			4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3	3
					Bottom	3.0	-	-	27.1	27.2	8.1	8.1	29.7	29.7	83.4	83.4	5.6	5.6	1.3	1.3	3			3				
						3.0	-	-	27.2	27.2	8.1	8.1	29.7	29.7	83.4	83.4	5.6	5.6	1.3	1.3	3			3				

DA: Depth-Averaged

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

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



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

Water Quality Monitoring

Water Quality Monitoring Results on 14 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Sunny	Moderate	12:41	8.3	Surface	1.0	0.4	200	27.6	27.6	8.1	8.1	33.1	33.1	92.8	92.8	6.1	6.0	5.2	5.3	8	8	815596	804263		
						1.0	0.3	192	27.6		8.1		33.1		92.7		6.1		5.2		8					
					Middle	4.2	0.4	220	27.4	27.4	8.1	8.1	33.1	33.1	90.2	90.2	5.9	5.7	5.2	5.7	8				5.7	8
						4.2	0.4	221	27.4		8.1		33.1		90.1		5.9		5.2		8					
					Bottom	7.3	0.4	193	27.3	27.3	8.1	8.1	33.1	33.1	86.7	86.7	5.7	6.0	5.5	6.0	5.7				6.0	8
						7.3	0.5	193	27.3		8.1		33.1		86.7		5.7		5.5		8					
C2	Sunny	Moderate	11:12	9.1	Surface	1.0	0.2	163	27.5	27.5	8.1	8.1	32.2	32.2	91.9	91.9	6.1	6.1	3.8	6.0	5	5	825678	806966		
						1.0	0.2	165	27.5		8.1		32.2		91.9		6.1		3.8		5					
					Middle	4.6	0.2	163	27.5	27.5	8.1	8.1	32.7	32.7	92.8	92.8	6.1	6.0	6.6	6.0	6				6.0	5
						4.6	0.2	160	27.5		8.1		32.7		92.8		6.1		6.6		6					
					Bottom	8.1	0.2	176	27.3	27.3	8.1	8.1	32.9	32.9	90.7	90.7	6.0	6.0	7.7	6.0	6				6.0	5
						8.1	0.2	178	27.3		8.1		32.9		90.7		6.0		7.8		6					
C3	Fine	Moderate	12:06	9.0	Surface	1.0	0.3	81	27.0	27.0	8.1	8.1	30.2	30.2	81.5	81.5	5.5	5.5	1.4	2.4	4	4	822124	817805		
						1.0	0.4	83	27.0		8.1		30.2		81.5		5.5		1.5		4					
					Middle	4.5	0.4	65	27.0	27.0	8.1	8.1	30.2	30.2	81.6	81.7	5.5	5.5	2.6	5.5	4				5.5	4
						4.5	0.3	70	27.0		8.1		30.2		81.7		5.5		2.5		4					
					Bottom	8.0	0.3	74	27.0	27.0	8.1	8.1	30.2	30.2	81.8	82.0	5.5	5.5	3.3	5.5	4				5.5	4
						8.0	0.3	73	27.0		8.1		30.2		82.1		5.5		3.3		4					
IM1	Sunny	Moderate	12:15	7.1	Surface	1.0	0.3	190	27.6	27.6	8.1	8.1	32.7	32.7	95.6	95.7	6.3	6.3	2.8	6.3	4	4	818371	806472		
						1.0	0.2	192	27.6		8.1		32.7		95.7		6.3		2.8		5					
					Middle	3.6	0.3	184	27.6	27.6	8.1	8.1	32.7	32.7	93.7	93.7	6.2	6.2	3.1	6.2	4				6.2	4
						3.6	0.3	179	27.6		8.1		32.8		93.7		6.2		3.2		4					
					Bottom	6.1	0.2	181	27.5	27.5	8.1	8.1	33.1	33.1	91.1	91.1	6.0	6.0	5.5	6.0	4				6.0	4
						6.1	0.2	183	27.5		8.1		33.1		91.1		6.0		5.5		4					
IM2	Sunny	Moderate	12:04	7.2	Surface	1.0	0.2	193	27.5	27.5	8.1	8.1	32.7	32.7	92.2	92.3	6.1	6.1	3.8	6.1	6	6	819167	806231		
						1.0	0.2	186	27.5		8.1		32.7		92.3		6.1		3.7		6					
					Middle	3.6	0.1	175	27.5	27.5	8.1	8.1	32.8	32.8	92.6	92.6	6.1	6.1	3.9	6.1	5				6.1	5
						3.6	0.1	170	27.5		8.1		32.8		92.6		6.1		3.9		5					
					Bottom	6.2	0.2	188	27.3	27.3	8.1	8.1	33.1	33.1	90.0	90.1	5.9	5.9	8.1	5.9	5				5.9	5
						6.2	0.3	181	27.3		8.1		33.1		90.1		5.9		8.1		5					
IM7	Sunny	Moderate	11:42	7.8	Surface	1.0	0.1	131	27.4	27.4	8.1	8.1	32.6	32.6	90.2	90.2	6.0	6.0	4.2	6.0	5	5	821333	806839		
						1.0	0.1	138	27.4		8.1		32.6		90.2		6.0		4.1		5					
					Middle	3.9	0.2	136	27.2	27.3	8.1	8.1	32.6	32.6	88.8	88.8	5.9	5.9	4.6	5.9	5				5.9	5
						3.9	0.1	137	27.3		8.1		32.6		88.8		5.9		4.6		5					
					Bottom	6.8	0.2	107	27.2	27.2	8.1	8.1	32.8	32.8	88.8	88.8	5.9	5.9	6.8	5.9	5				5.9	5
						6.8	0.2	102	27.2		8.1		32.8		88.8		5.9		6.8		5					

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Moderate	11:09	8.8	Surface	1.0	0.3	96	26.6	26.6	8.1	8.1	30.0	30.0	83.6	83.6	5.7	5.7	5.0	5.0	4	4	822250	809847				
						1.0	0.3	93	26.6	8.1	8.1	30.0	30.0	83.6	83.6	5.7	5.7	5.0	5.0	4	4							
					Middle	4.4	0.3	103	26.6	26.6	8.1	8.1	30.1	30.1	83.7	83.8	5.7	5.7	5.4	5.4	4	4						
						4.4	0.2	108	26.6	26.6	8.1	8.1	30.1	30.1	83.8	83.8	5.7	5.7	5.4	5.4	4	4						
					Bottom	7.8	0.2	84	26.6	26.6	8.1	8.1	30.0	30.0	84.1	84.2	5.7	5.7	6.3	6.3	4	4						
						7.8	0.2	85	26.6	26.6	8.1	8.1	30.0	30.0	84.2	84.2	5.7	5.7	6.3	6.3	4	4						
IM11	Fine	Moderate	11:14	8.0	Surface	1.0	0.3	79	26.7	26.7	8.1	8.1	30.2	30.2	87.2	87.3	5.9	5.9	3.0	3.0	3	3	821499	810557				
						1.0	0.3	75	26.7	26.7	8.1	8.1	30.2	30.2	87.3	87.3	5.9	5.9	3.1	3.1	3	3						
					Middle	4.0	0.3	102	26.7	26.7	8.1	8.1	30.3	30.3	89.0	89.1	6.0	6.0	3.8	3.8	3	3						
						4.0	0.4	104	26.7	26.7	8.1	8.1	30.3	30.3	89.1	89.1	6.0	6.0	3.8	3.8	3	3						
					Bottom	7.0	0.4	109	26.7	26.7	8.1	8.1	30.3	30.3	90.1	90.2	6.1	6.1	4.3	4.3	3	3						
						7.0	0.4	115	26.7	26.7	8.1	8.1	30.3	30.3	90.2	90.2	6.1	6.1	4.3	4.3	3	3						
IM12	Fine	Moderate	11:17	8.2	Surface	1.0	0.3	83	26.7	26.7	8.1	8.1	30.3	30.3	87.1	87.1	5.9	5.9	3.2	3.2	3	3	821143	811536				
						1.0	0.3	89	26.7	26.7	8.1	8.1	30.3	30.3	87.1	87.1	5.9	5.9	3.2	3.2	3	3						
					Middle	4.1	0.3	85	26.7	26.7	8.1	8.1	30.3	30.3	87.2	87.3	5.9	5.9	5.0	5.0	3	3						
						4.1	0.3	80	26.6	26.6	8.1	8.1	30.3	30.3	87.3	87.3	5.9	5.9	5.0	5.0	3	3						
					Bottom	7.2	0.3	109	26.6	26.6	8.1	8.1	30.3	30.3	88.7	90.3	6.0	6.1	5.4	5.4	3	3						
						7.2	0.3	114	26.6	26.6	8.1	8.1	30.3	30.3	91.8	90.3	6.2	6.1	5.4	5.4	3	3						
SR1A	Fine	Moderate	11:30	4.6	Surface	1.0	0.0	42	26.7	26.7	8.1	8.1	30.0	30.0	87.5	87.5	5.9	5.9	4.1	4.1	4	4	819982	812663				
						1.0	0.1	34	26.6	26.6	8.1	8.1	30.0	30.0	87.5	87.5	5.9	5.9	4.0	4.0	4	4						
					Middle	2.3	0.0	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						2.3	0.0	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	3.6	0.0	24	26.6	26.6	8.1	8.1	30.0	30.0	87.4	87.4	5.9	5.9	4.2	4.2	3	3						
						3.6	0.1	21	26.6	26.6	8.1	8.1	30.0	30.0	87.4	87.4	5.9	5.9	4.3	4.3	4	4						
SR2	Fine	Moderate	11:41	4.2	Surface	1.0	0.3	60	27.0	27.0	8.1	8.1	29.9	29.9	90.4	90.5	6.1	6.1	1.4	1.4	4	4	821467	814161				
						1.0	0.3	62	27.0	27.0	8.1	8.1	29.9	29.9	90.6	90.6	6.1	6.1	1.4	1.4	3	3						
					Middle	-	0.3	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.3	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	3.2	0.3	48	26.9	26.9	8.1	8.1	29.9	29.9	92.2	92.4	6.2	6.3	2.8	2.8	4	4						
						3.2	0.3	55	26.9	26.9	8.1	8.1	29.9	29.9	92.6	92.6	6.3	6.3	2.7	2.7	4	4						
SR3	Sunny	Moderate	11:33	8.2	Surface	1.0	0.2	152	27.5	27.5	8.1	8.1	32.5	32.5	92.2	92.2	6.1	6.1	3.3	3.3	5	5	822135	807577				
						1.0	0.2	153	27.5	27.5	8.1	8.1	32.5	32.5	92.2	92.2	6.1	6.1	3.3	3.3	5	5						
					Middle	4.1	0.2	155	27.5	27.5	8.1	8.1	32.8	32.8	93.0	93.0	6.1	6.1	6.1	6.1	4	4						
						4.1	0.2	152	27.5	27.5	8.1	8.1	32.8	32.8	93.0	93.0	6.1	6.1	6.1	6.1	4	4						
					Bottom	7.2	0.2	136	27.4	27.4	8.1	8.1	32.8	32.8	91.6	91.6	6.0	6.0	7.3	7.3	4	4						
						7.2	0.2	136	27.4	27.4	8.1	8.1	32.8	32.8	91.6	91.6	6.0	6.0	7.3	7.3	4	4						
SR4A	Sunny	Moderate	13:05	9.8	Surface	1.0	0.1	64	27.5	27.5	8.1	8.1	32.3	32.3	86.2	86.2	5.7	5.7	4.1	4.1	5	5	817202	807821				
						1.0	0.1	64	27.5	27.5	8.1	8.1	32.4	32.3	86.2	86.2	5.7	5.7	4.1	4.1	5	5						
					Middle	4.9	0.1	60	27.2	27.2	8.1	8.1	33.0	33.0	89.1	89.1	5.9	5.9	5.1	5.1	4	4						
						4.9	0.1	66	27.2	27.2	8.1	8.1	33.0	33.0	89.1	89.1	5.9	5.9	5.1	5.1	4	4						
					Bottom	8.8	0.0	62	27.2	27.2	8.1	8.1	33.0	33.0	87.8	87.8	5.8	5.8	5.8	5.8	4	4						
						8.8	0.0	54	27.2	27.2	8.1	8.1	33.0	33.0	87.8	87.8	5.8	5.8	5.7	5.7	4	4						
SR8	Fine	Moderate	11:21	5.0	Surface	1.0	-	-	26.7	26.7	8.1	8.1	30.0	30.0	87.4	87.4	5.9	5.9	4.6	4.6	5	5	820387	811626				
						1.0	-	-	26.7	26.7	8.1	8.1	30.0	30.0	87.4	87.4	5.9	5.9	4.6	4.6	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.0	-	-	26.7	26.7	8.1	8.1	30.0	30.0	87.8	87.9	5.9	6.0	5.7	5.7	4	4						
						4.0	-	-	26.7	26.7	8.1	8.1	30.0	30.0	88.0	88.0	6.0	6.0	5.7	5.7	4	4						

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 14 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Fine	Rough	05:39	7.1	Surface	1.0	0.2	42	27.4	27.4	8.1	8.1	33.1	33.1	91.8	91.8	6.0	6.0	6.0	6.0	7.3	7.3	12	815609	804246		
						1.0	0.2	37	27.4	8.1	8.1	33.1	33.1	91.8	91.8	6.0	6.0	6.0	6.0	7.3	7.3	11					
					Middle	3.6	0.3	12	27.3	27.3	8.1	8.1	33.1	33.1	90.6	90.6	6.0	6.0	6.0	6.0	8.1	8.1	8.1			8.1	11
						3.6	0.2	5	27.3	27.3	8.1	8.1	33.1	33.1	90.6	90.6	6.0	6.0	6.0	6.0	8.1	8.1	8.1			8.1	12
					Bottom	6.1	0.2	54	27.2	27.2	8.0	8.0	33.1	33.1	89.5	89.5	5.9	5.9	5.9	5.9	5.9	5.9	9.4			9.4	12
						6.1	0.2	49	27.2	27.2	8.0	8.0	33.1	33.1	89.5	89.5	5.9	5.9	5.9	5.9	5.9	5.9	9.5			9.5	13
C2	Fine	Rough	07:16	8.2	Surface	1.0	0.3	0	27.4	27.4	8.1	8.1	32.6	32.6	88.2	88.2	5.8	5.8	5.8	5.8	6.4	6.4	5	825658	806961		
						1.0	0.3	5	27.4	27.4	8.1	8.1	32.6	32.6	88.2	88.2	5.8	5.8	5.8	5.8	6.4	6.4	5				
					Middle	4.1	0.3	336	27.2	27.2	8.1	8.1	32.6	32.6	87.7	87.7	5.8	5.8	5.8	5.8	6.5	6.5	6.5			6.5	5
						4.1	0.3	340	27.2	27.2	8.1	8.1	32.6	32.6	87.7	87.7	5.8	5.8	5.8	5.8	6.5	6.5	6.5			6.5	4
					Bottom	7.2	0.3	8	27.3	27.3	8.1	8.1	32.7	32.7	87.8	87.8	5.8	5.8	5.8	5.8	8.3	8.3	8.3			8.3	5
						7.2	0.3	8	27.3	27.3	8.1	8.1	32.7	32.7	87.8	87.8	5.8	5.8	5.8	5.8	8.4	8.4	8.4			8.4	4
C3	Fine	Moderate	07:17	10.0	Surface	1.0	0.4	261	27.0	27.0	8.1	8.1	30.6	30.6	78.5	78.5	5.3	5.3	5.3	5.3	2.1	2.1	4	822101	817800		
						1.0	0.4	260	27.0	27.0	8.1	8.1	30.6	30.6	78.4	78.4	5.3	5.3	5.3	5.3	2.1	2.1	4				
					Middle	5.0	0.4	268	27.0	27.0	8.1	8.1	30.6	30.6	78.5	78.5	5.3	5.3	5.3	5.3	3.2	3.2	3.2			3.2	4
						5.0	0.4	266	27.0	27.0	8.1	8.1	30.6	30.6	78.5	78.5	5.3	5.3	5.3	5.3	3.2	3.2	3.2			3.2	3
					Bottom	9.0	0.4	255	27.1	27.1	8.1	8.1	30.7	30.7	79.4	79.4	5.3	5.3	5.3	5.3	4.9	4.9	4.9			4.9	3
						9.0	0.4	248	27.0	27.0	8.1	8.1	30.7	30.7	79.5	79.5	5.3	5.3	5.3	5.3	4.9	4.9	4.9			4.9	4
IM1	Fine	Moderate	06:02	6.8	Surface	1.0	0.2	3	27.5	27.5	8.1	8.1	33.1	33.1	92.3	92.3	6.1	6.1	6.1	6.1	6.0	6.0	10	818358	806478		
						1.0	0.1	356	27.5	27.5	8.1	8.1	33.1	33.1	92.2	92.2	6.1	6.1	6.1	6.1	6.0	6.0	9				
					Middle	3.4	0.1	358	27.4	27.4	8.1	8.1	33.1	33.1	90.5	90.6	6.0	6.0	6.0	6.0	5.8	5.8	5.8			5.8	9
						3.4	0.1	-	27.3	27.3	8.1	8.1	33.1	33.1	90.6	90.6	6.0	6.0	6.0	6.0	5.8	5.8	5.8			5.8	10
					Bottom	5.8	0.1	350	27.2	27.2	8.1	8.1	33.0	33.0	86.7	86.7	5.7	5.7	5.7	5.7	5.1	5.1	5.1			5.1	9
						5.8	0.1	348	27.2	27.2	8.1	8.1	33.0	33.0	86.7	86.7	5.7	5.7	5.7	5.7	5.1	5.1	5.1			5.1	9
IM2	Fine	Moderate	06:14	7.2	Surface	1.0	0.1	354	27.5	27.5	8.1	8.1	33.1	33.1	92.7	92.7	6.1	6.1	6.1	6.1	3.1	3.1	10	819169	806242		
						1.0	0.1	350	27.5	27.5	8.1	8.1	33.1	33.1	92.7	92.7	6.1	6.1	6.1	6.1	3.2	3.2	10				
					Middle	3.6	0.1	5	27.4	27.4	8.1	8.1	33.1	33.1	91.6	91.7	6.0	6.0	6.0	6.0	6.7	6.7	6.7			6.7	9
						3.6	0.1	2	27.4	27.4	8.1	8.1	33.1	33.1	91.7	91.7	6.0	6.0	6.0	6.0	6.7	6.7	6.7			6.7	9
					Bottom	6.2	0.2	4	27.2	27.2	8.1	8.1	33.0	33.0	87.6	87.6	5.8	5.8	5.8	5.8	9.5	9.5	9.5			9.5	9
						6.2	0.2	356	27.2	27.2	8.1	8.1	33.0	33.0	87.6	87.6	5.8	5.8	5.8	5.8	9.5	9.5	9.5			9.5	8
IM7	Fine	Moderate	06:43	7.6	Surface	1.0	0.2	321	27.4	27.4	8.1	8.1	32.6	32.6	89.6	89.6	5.9	5.9	5.9	5.9	4.9	4.9	7	821358	806843		
						1.0	0.3	323	27.4	27.4	8.1	8.1	32.6	32.6	89.6	89.6	5.9	5.9	5.9	5.9	4.8	4.8	7				
					Middle	3.8	0.2	346	27.3	27.3	8.1	8.1	32.6	32.6	88.9	88.9	5.9	5.9	5.9	5.9	5.1	5.1	5.1			5.1	6
						3.8	0.2	351	27.3	27.3	8.1	8.1	32.6	32.6	88.9	88.9	5.9	5.9	5.9	5.9	5.1	5.1	5.1			5.1	7
					Bottom	6.6	0.1	350	27.2	27.2	8.1	8.1	32.6	32.6	88.3	88.3	5.8	5.8	5.8	5.8	6.3	6.3	6.3			6.3	7
						6.6	0.2	349	27.2	27.2	8.1	8.1	32.6	32.6	88.3	88.3	5.8	5.8	5.8	5.8	6.3	6.3	6.3			6.3	6

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 14 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Fine	Moderate	08:08	8.8	Surface	1.0	0.3	293	26.6	26.6	8.1	8.1	30.0	30.0	85.4	85.5	5.8	5.9	4.3	5.4	4	5	822239	809844		
						1.0	0.4	285	26.6	8.1	8.1	30.1	30.2	85.6	88.0	5.8	6.0	4.3	5							
					Middle	4.4	0.3	288	26.6	26.6	8.1	8.1	30.2	30.2	87.9	88.0	6.0	6.0	5.1	5						
						4.4	0.3	281	26.6	26.6	8.1	8.1	30.2	30.2	88.1	88.0	6.0	6.0	5.1	4						
					Bottom	7.8	0.3	299	26.6	26.6	8.1	8.1	30.2	30.2	89.1	89.2	6.0	6.1	6.9	5						
						7.8	0.3	300	26.6	26.6	8.1	8.1	30.2	30.2	89.3	89.2	6.1	6.1	6.9	5						
IM11	Fine	Moderate	08:03	7.2	Surface	1.0	0.4	278	26.8	26.8	8.1	8.1	30.2	30.2	86.4	86.5	5.8	5.9	4.0	5.9	5	5	821479	810528		
						1.0	0.4	272	26.8	26.8	8.1	8.1	30.2	30.2	86.5	87.0	5.9	5.9	4.0	5						
					Middle	3.6	0.4	264	26.7	26.7	8.1	8.1	30.2	30.2	86.9	87.0	5.9	6.0	6.0	5						
						3.6	0.4	266	26.7	26.7	8.1	8.1	30.2	30.3	87.0	89.0	5.9	6.0	6.0	5						
					Bottom	6.2	0.4	286	26.7	26.7	8.1	8.1	30.3	30.3	88.8	89.0	6.0	6.0	7.7	5						
						6.2	0.4	286	26.7	26.7	8.1	8.1	30.3	30.3	89.1	89.0	6.0	6.0	7.7	5						
IM12	Fine	Moderate	07:57	7.6	Surface	1.0	0.4	267	26.7	26.7	8.1	8.1	30.0	30.0	86.4	86.4	5.9	5.9	4.4	5.3	5	5	821150	811534		
						1.0	0.4	263	26.7	26.7	8.1	8.1	30.0	30.0	86.4	87.6	5.9	5.9	4.3	5						
					Middle	3.8	0.4	265	26.6	26.6	8.1	8.1	30.0	30.0	87.4	87.6	5.9	6.0	5.1	5						
						3.8	0.4	260	26.6	26.6	8.1	8.1	30.0	30.0	87.7	89.6	6.0	6.1	5.1	5						
					Bottom	6.6	0.4	273	26.6	26.6	8.1	8.1	30.0	30.0	89.5	89.6	6.1	6.1	6.6	4						
						6.6	0.3	275	26.6	26.6	8.1	8.1	30.0	30.0	89.7	89.6	6.1	6.1	6.5	4						
SR1A	Fine	Moderate	07:49	4.8	Surface	1.0	0.0	208	26.8	26.8	8.1	8.1	29.8	29.8	82.7	82.7	5.6	5.6	3.3	3.7	4	4	819982	812657		
						1.0	0.0	213	26.7	26.8	8.1	8.1	29.8	29.8	82.7	82.7	5.6	5.6	3.4	4						
					Middle	2.4	0.0	202	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
						2.4	0.0	207	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
					Bottom	3.8	0.0	195	26.7	26.8	8.1	8.1	29.8	29.8	83.3	83.4	5.6	5.7	4.1	4						
						3.8	0.0	189	26.8	26.8	8.1	8.1	29.8	29.8	83.5	83.4	5.7	5.7	4.1	4						
SR2	Fine	Moderate	07:41	4.4	Surface	1.0	0.0	345	26.8	26.8	8.1	8.1	29.8	29.8	84.1	84.2	5.7	5.7	3.0	3.3	3	4	821477	814187		
						1.0	0.0	347	26.8	26.8	8.1	8.1	29.8	29.8	84.3	84.2	5.7	5.7	3.1	3						
					Middle	-	0.0	343	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
						-	0.0	339	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
					Bottom	3.4	0.0	354	26.8	26.8	8.1	8.1	29.8	29.8	87.6	87.8	5.9	6.0	3.5	4						
						3.4	0.0	349	26.8	26.8	8.1	8.1	29.8	29.8	88.0	87.8	6.0	6.0	3.6	4						
SR3	Fine	Moderate	06:52	7.9	Surface	1.0	0.2	324	27.2	27.2	8.1	8.1	32.6	32.6	88.1	88.1	5.8	5.8	6.4	7.3	10	11	822159	807588		
						1.0	0.2	327	27.2	27.2	8.1	8.1	32.6	32.6	88.1	87.4	5.8	5.8	6.5	11						
					Middle	4.0	0.3	329	27.2	27.2	8.1	8.1	32.6	32.6	87.4	87.4	5.8	5.8	7.4	11						
						4.0	0.3	328	27.2	27.2	8.1	8.1	32.6	32.7	87.4	87.5	5.8	5.8	7.3	11						
					Bottom	6.9	0.2	328	27.2	27.2	8.1	8.1	32.7	32.7	87.5	87.5	5.8	5.8	8.3	11						
						6.9	0.3	321	27.2	27.2	8.1	8.1	32.7	32.7	87.5	87.5	5.8	5.8	8.3	11						
SR4A	Fine	Moderate	05:16	9.2	Surface	1.0	0.0	266	27.2	27.2	8.1	8.1	33.0	33.0	88.5	88.5	5.9	5.9	3.4	5.0	11	11	817197	807786		
						1.0	0.1	271	27.2	27.2	8.1	8.1	33.0	33.0	88.5	88.3	5.9	5.8	3.3	11						
					Middle	4.6	-	266	27.2	27.2	8.1	8.1	33.0	33.0	88.3	88.3	5.8	5.8	5.2	11						
						4.6	0.0	268	27.2	27.2	8.1	8.1	33.0	33.0	88.3	88.2	5.8	5.8	5.2	11						
					Bottom	8.2	0.0	276	27.2	27.2	8.1	8.1	33.0	33.0	88.2	88.2	5.8	5.8	6.6	11						
						8.2	0.0	269	27.2	27.2	8.1	8.1	33.0	33.0	88.2	88.2	5.8	5.8	6.6	11						
SR8	Fine	Moderate	07:53	5.0	Surface	1.0	-	-	26.8	26.8	8.1	8.1	29.8	29.8	86.1	86.2	5.8	5.8	3.3	3.8	4	4	820402	811604		
						1.0	-	-	26.8	26.8	8.1	8.1	29.8	29.8	86.3	86.2	5.8	5.8	3.3	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
					Bottom	4.0	-	-	26.7	26.7	8.1	8.1	29.9	29.9	88.0	88.1	6.0	6.0	4.2	4						
						4.0	-	-	26.7	26.7	8.1	8.1	29.9	29.9	88.2	88.1	6.0	6.0	4.2	4						

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
C1	Cloudy	Rough	14:20	8.4	Surface	1.0	0.3	214	27.1	27.1	8.2	8.2	33.1	33.1	94.6	94.6	6.3	6.2	6.2	12.0	11.9	25	26	815637	804268						
						1.0	0.3	211	27.1	27.1	8.2	8.2	33.1	33.1	94.5	94.6	6.2	6.2	6.2	11.6	11.9	25									
					Middle	4.2	0.3	196	27.1	27.1	8.1	8.1	33.0	33.0	94.1	94.1	6.2	6.2	6.2	10.9	11.9	26				26	815637	804268			
						4.2	0.3	196	27.1	27.1	8.1	8.1	33.0	33.0	94.1	94.1	6.2	6.2	6.2	10.9	11.9	26									
					Bottom	7.4	0.2	228	27.1	27.1	8.1	8.1	33.0	33.0	94.5	94.6	6.3	6.3	6.3	13.1	13.4	27							26	815637	804268
						7.4	0.2	231	27.1	27.1	8.1	8.1	33.0	33.0	94.7	94.6	6.3	6.3	6.3	13.4	13.4	28									
C2	Cloudy	Rough	12:54	12.1	Surface	1.0	0.0	168	27.3	27.3	8.1	8.1	31.7	31.7	92.3	92.3	6.1	6.1	6.1	3.3	6.7	20	21	825686	806945						
						1.0	0.1	161	27.3	27.3	8.1	8.1	31.7	31.7	92.2	92.3	6.1	6.1	6.1	3.5	6.7	21									
					Middle	6.1	0.1	152	27.1	27.1	8.1	8.1	32.3	32.3	90.6	90.6	6.0	6.0	6.0	6.4	6.7	24				21	825686	806945			
						6.1	0.1	155	27.1	27.1	8.1	8.1	32.3	32.3	90.5	90.6	6.0	6.0	6.0	6.4	6.7	8									
					Bottom	11.1	0.1	179	27.1	27.1	8.1	8.1	32.2	32.2	90.8	90.9	6.0	6.0	6.0	10.2	10.2	26							21	825686	806945
						11.1	0.1	185	27.1	27.1	8.1	8.1	32.2	32.2	91.0	90.9	6.0	6.0	6.0	10.2	10.2	25									
C3	Fine	Rough	13:56	9.0	Surface	1.0	0.3	70	27.0	27.0	8.1	8.1	31.1	31.1	79.5	79.4	5.3	5.3	5.3	4.3	5.3	9	9	822104	817810						
						1.0	0.3	77	27.0	27.0	8.1	8.1	31.1	31.1	79.3	79.4	5.3	5.3	5.3	4.3	5.3	10									
					Middle	4.5	0.3	87	26.9	26.9	8.1	8.1	31.3	31.4	79.1	79.1	5.3	5.3	5.3	5.0	5.3	8				9	822104	817810			
						4.5	0.3	89	26.9	26.9	8.1	8.1	31.4	31.4	79.2	79.1	5.3	5.3	5.3	5.0	5.3	9									
					Bottom	8.0	0.2	61	26.9	26.9	8.1	8.1	31.5	31.5	86.4	87.2	5.8	5.9	5.9	6.6	6.5	8							9	822104	817810
						8.0	0.2	56	26.9	26.9	8.1	8.1	31.5	31.5	88.0	87.2	5.9	5.9	5.9	6.5	6.5	9									
IM1	Cloudy	Rough	13:58	7.2	Surface	1.0	0.1	202	27.1	27.1	8.1	8.1	33.1	33.1	93.8	93.8	6.2	6.2	6.2	9.9	10.1	30	29	818331	806455						
						1.0	0.1	200	27.1	27.1	8.1	8.1	33.1	33.1	93.7	93.8	6.2	6.2	6.2	10.0	10.1	31									
					Middle	3.6	0.2	208	27.1	27.1	8.1	8.1	33.1	33.1	92.8	92.7	6.1	6.1	6.1	9.9	10.1	30				29	818331	806455			
						3.6	0.2	213	27.1	27.1	8.1	8.1	33.1	33.1	92.6	92.7	6.1	6.1	6.1	9.9	10.1	29									
					Bottom	6.2	0.2	183	27.1	27.1	8.1	8.1	32.9	32.9	91.6	91.7	6.1	6.1	6.1	10.4	10.7	27							29	818331	806455
						6.2	0.2	177	27.1	27.1	8.1	8.1	32.9	32.9	91.8	91.7	6.1	6.1	6.1	10.7	10.7	27									
IM2	Cloudy	Rough	13:54	7.5	Surface	1.0	0.1	200	27.1	27.1	8.1	8.1	33.1	33.1	93.1	93.1	6.2	6.2	6.2	8.8	10.1	24	21	819202	806231						
						1.0	0.1	199	27.1	27.1	8.1	8.1	33.1	33.1	93.1	93.1	6.2	6.2	6.2	8.2	10.1	22									
					Middle	3.8	0.2	195	27.1	27.1	8.1	8.1	33.1	33.1	92.6	92.7	6.1	6.1	6.1	9.7	10.1	20				21	819202	806231			
						3.8	0.2	202	27.1	27.1	8.1	8.1	33.1	33.1	92.7	92.7	6.1	6.1	6.1	9.1	10.1	19									
					Bottom	6.5	0.1	187	27.0	27.0	8.1	8.1	33.1	33.1	93.1	93.2	6.2	6.2	6.2	12.7	12.0	19							21	819202	806231
						6.5	0.1	190	26.9	27.0	8.1	8.1	33.2	33.1	93.2	93.2	6.2	6.2	6.2	12.0	12.0	19									
IM7	Cloudy	Rough	13:21	8.3	Surface	1.0	0.2	113	27.1	27.1	8.1	8.1	32.0	32.1	92.5	92.4	6.2	6.1	6.1	4.7	5.9	16	15	821328	806853						
						1.0	0.1	117	27.1	27.1	8.1	8.1	32.1	32.1	92.3	92.4	6.1	6.1	6.1	4.8	5.9	15									
					Middle	4.2	0.1	105	26.9	26.9	8.1	8.1	32.5	32.6	90.7	90.7	6.0	6.0	6.0	6.3	5.9	15				15	821328	806853			
						4.2	0.1	106	26.9	26.9	8.1	8.1	32.6	32.6	90.7	90.7	6.0	6.0	6.0	6.4	5.9	14									
					Bottom	7.3	0.2	91	26.9	26.9	8.1	8.1	32.7	32.7	90.7	90.8	6.0	6.1	6.1	6.5	6.6	14							15	821328	806853
						7.3	0.1	90	26.9	26.9	8.1	8.1	32.7	32.7	90.9	90.8	6.1	6.1	6.1	6.6	6.6	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 17 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Fine	Rough	12:50	8.8	Surface	1.0	0.1	71	26.9	26.9	8.1	8.1	30.6	30.6	84.4	84.5	5.7	5.8	3.6	4.4	10	9	822246	809814			
						1.0	0.1	63	26.9	8.1	8.1	30.7	30.6	84.6	85.7	5.7	5.8	3.5	4.1	10							
					Middle	4.4	0.2	86	26.9	26.9	8.1	8.1	30.9	30.9	85.5	85.6	5.8	5.8	4.1	10							
						4.4	0.2	85	26.9	26.9	8.1	8.1	30.9	30.9	85.7	85.6	5.8	5.8	4.1	10							
					Bottom	7.8	0.1	54	26.9	26.9	8.1	8.1	30.8	30.8	86.4	86.6	5.8	5.8	5.7	5.7	8						
						7.8	0.1	58	26.9	26.9	8.1	8.1	30.8	30.8	86.8	86.6	5.8	5.8	5.7	5.7	8						
IM11	Fine	Rough	12:56	7.2	Surface	1.0	0.2	87	27.0	27.0	8.1	8.1	30.3	30.3	85.8	85.9	5.8	5.8	2.3	3.3	9	10	821493	810563			
						1.0	0.2	89	26.9	27.0	8.1	8.1	30.3	30.3	86.0	85.9	5.8	5.8	2.2	10							
					Middle	3.6	0.2	91	26.9	26.9	8.1	8.1	30.4	30.4	87.0	87.1	5.9	5.9	3.1	10							
						3.6	0.3	94	26.9	26.9	8.1	8.1	30.4	30.4	87.3	87.1	5.9	5.9	3.1	11							
					Bottom	6.2	0.2	73	26.9	26.9	8.1	8.1	30.4	30.4	88.5	88.8	6.0	6.0	4.6	10							
						6.2	0.2	67	26.9	26.9	8.1	8.1	30.4	30.4	89.1	88.8	6.0	6.0	4.5	11							
IM12	Fine	Rough	13:01	8.0	Surface	1.0	0.2	101	27.0	27.0	8.1	8.1	30.5	30.5	85.2	85.3	5.7	5.7	1.1	2.3	13	11	821160	811532			
						1.0	0.2	97	27.0	27.0	8.1	8.1	30.5	30.5	85.4	85.3	5.7	5.7	1.1	14							
					Middle	4.0	0.2	97	27.0	27.0	8.1	8.1	30.5	30.5	87.1	87.1	5.9	5.9	2.3	12							
						4.0	0.2	91	27.0	27.0	8.1	8.1	30.5	30.5	87.1	87.1	5.9	5.9	2.3	10							
					Bottom	7.0	0.2	76	27.0	27.0	8.1	8.1	30.3	30.2	89.2	89.8	6.0	6.1	3.4	10							
						7.0	0.2	82	27.0	27.0	8.1	8.1	30.1	30.2	90.4	89.8	6.1	6.1	3.4	9							
SR1A	Fine	Rough	13:27	4.6	Surface	1.0	0.0	14	26.9	26.9	8.1	8.1	30.4	30.4	85.8	85.9	5.8	5.8	2.9	3.0	14	11	819979	812657			
						1.0	0.0	18	26.9	26.9	8.1	8.1	30.4	30.4	86.1	85.9	5.8	5.8	2.9	14							
					Middle	2.3	0.0	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						2.3	0.0	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	3.6	0.0	358	26.9	26.9	8.1	8.1	30.4	30.4	88.7	89.2	6.0	6.1	3.2	8							
						3.6	0.0	358	26.9	26.9	8.1	8.1	30.4	30.4	89.7	89.2	6.1	6.1	3.2	9							
SR2	Fine	Rough	13:38	5.6	Surface	1.0	0.2	40	26.9	26.9	8.1	8.1	30.4	30.4	87.8	88.0	5.9	5.9	4.3	4.9	10	11	821464	814162			
						1.0	0.2	38	26.9	26.9	8.1	8.1	30.4	30.4	88.2	88.0	5.9	5.9	4.3	9							
					Middle	-	0.2	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						-	0.2	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.6	0.2	31	26.9	26.9	8.1	8.1	30.4	30.4	91.1	91.5	6.1	6.2	5.6	11							
						4.6	0.2	25	26.9	26.9	8.1	8.1	30.4	30.4	91.9	91.5	6.2	6.2	5.5	12							
SR3	Cloudy	Rough	13:15	9.4	Surface	1.0	0.2	122	27.2	27.2	8.1	8.1	31.9	31.9	92.3	92.3	6.1	6.1	5.4	6.1	21	20	822139	807551			
						1.0	0.2	116	27.2	27.2	8.1	8.1	31.9	31.9	92.3	92.3	6.1	6.1	5.7	9							
					Middle	4.7	0.2	142	27.1	27.1	8.1	8.1	32.4	32.4	91.3	91.2	6.1	6.1	11.1	23							
						4.7	0.1	148	27.0	27.1	8.1	8.1	32.4	32.4	91.1	91.2	6.1	6.1	11.8	22							
					Bottom	8.4	0.1	137	27.0	27.0	8.1	8.1	32.4	32.4	90.7	90.7	6.0	6.0	12.1	24							
						8.4	0.1	133	27.0	27.0	8.1	8.1	32.4	32.4	90.7	90.7	6.0	6.0	12.1	23							
SR4A	Cloudy	Rough	14:46	8.7	Surface	1.0	0.0	43	27.2	27.2	8.1	8.1	33.0	33.0	94.0	94.0	6.2	6.2	5.2	7.6	14	13	817196	807809			
						1.0	0.0	38	27.2	27.2	8.1	8.1	33.0	33.0	93.9	94.0	6.2	6.2	5.3	15							
					Middle	4.4	0.0	38	27.0	27.0	8.1	8.1	33.0	33.0	91.8	91.9	6.1	6.1	7.8	12							
						4.4	0.0	32	27.0	27.0	8.1	8.1	33.0	33.0	91.9	91.9	6.1	6.1	8.3	12							
					Bottom	7.7	0.1	64	26.9	26.9	8.1	8.1	33.1	33.1	93.0	93.1	6.2	6.2	9.4	12							
						7.7	0.1	56	26.8	26.9	8.1	8.1	33.2	33.1	93.1	93.1	6.2	6.2	9.6	11							
SR8	Fine	Rough	13:06	5.4	Surface	1.0	-	-	27.1	27.1	8.1	8.1	30.2	30.2	87.2	87.2	5.9	5.9	3.1	4.1	9	9	820412	811641			
						1.0	-	-	27.1	27.1	8.1	8.1	30.3	30.2	87.3	87.2	5.9	5.9	3.1	8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
					Bottom	4.4	-	-	26.9	27.0	8.1	8.1	30.5	30.4	90.4	90.5	6.1	6.1	5.0	10							
						4.4	-	-	27.0	27.0	8.1	8.1	30.4	30.4	90.6	90.5	6.1	6.1	5.0	9							

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Rough	08:11	8.4	Surface	1.0	0.4	19	27.1	27.1	8.1	8.1	33.0	33.0	94.1	94.1	6.2	6.2	13.3	14.0	6	9	815599	804243	
						1.0	0.4	14	27.1		8.1		33.0		94.0		6.2		13.2		6				
					Middle	4.2	0.3	29	27.1	27.1	8.1	8.1	33.0	33.0	93.4	93.4	6.2	6.2	15.7	6.2	9	6.0			9
						4.2	0.3	22	27.1		8.1		33.0		93.4		6.2		15.4		8				
					Bottom	7.4	0.3	34	27.1	27.1	8.1	8.1	33.0	33.0	93.3	93.3	6.2	6.2	13.4	6.2	10	6.0			10
						7.4	0.3	41	27.1		8.1		33.0		93.3		6.2		13.3		12				
C2	Cloudy	Rough	09:53	11.7	Surface	1.0	0.4	342	27.3	27.3	8.1	8.1	31.6	31.6	92.5	92.5	6.1	6.1	3.2	6.0	9	10	825685	806947	
						1.0	0.4	335	27.3		8.1		31.6		92.4		6.1		3.3		10				
					Middle	5.9	0.4	358	27.1	27.1	8.1	8.1	32.2	32.2	90.9	90.9	6.0	6.0	3.6	6.0	10	6.0			10
						5.9	0.4	353	27.1		8.1		32.2		90.8		6.0		3.7		10				
					Bottom	10.7	0.5	9	27.1	27.1	8.1	8.1	32.3	32.3	90.7	90.8	6.0	6.0	11.2	6.0	10	6.0			10
						10.7	0.6	15	27.1		8.1		32.3		90.9		6.0		11.0		11				
C3	Fine	Rough	09:18	9.8	Surface	1.0	0.5	252	26.9	26.9	8.0	8.0	30.2	30.2	80.6	80.6	5.4	5.5	4.0	5.3	11	10	822124	817798	
						1.0	0.5	249	26.9		8.0		30.2		80.6		5.4		4.0		12				
					Middle	4.9	0.4	247	26.9	26.9	8.0	8.0	30.2	30.2	80.7	80.7	5.5	5.5	5.3	5.5	10	5.5			10
						4.9	0.4	242	26.9		8.0		30.2		80.8		5.5		5.3		10				
					Bottom	8.8	0.4	266	26.9	26.9	8.0	8.0	30.2	30.2	80.9	80.9	5.5	5.5	6.6	5.5	9	5.5			9
						8.8	0.4	270	26.9		8.0		30.2		80.9		5.5		6.5		8				
IM1	Cloudy	Rough	08:36	7.7	Surface	1.0	0.3	27	27.1	27.1	8.1	8.1	33.1	33.1	93.0	93.0	6.2	6.2	13.2	12.2	5	7	818351	806457	
						1.0	0.2	32	27.1		8.1		33.1		93.0		6.2		13.7		6				
					Middle	3.9	0.2	22	27.1	27.1	8.1	8.1	33.1	33.1	92.2	92.2	6.1	6.1	10.4	6.1	7	6.1			7
						3.9	0.2	26	27.1		8.1		33.1		92.2		6.1		10.4		6				
					Bottom	6.7	0.2	16	27.0	27.0	8.1	8.1	33.0	33.0	91.7	91.7	6.1	6.1	12.8	6.1	8	6.1			8
						6.7	0.2	19	27.0		8.1		33.0		91.7		6.1		12.8		9				
IM2	Cloudy	Rough	08:41	7.6	Surface	1.0	0.2	11	27.1	27.1	8.1	8.1	33.0	33.0	93.2	93.2	6.2	6.2	13.8	14.3	7	7	819167	806247	
						1.0	0.2	6	27.1		8.1		33.0		93.2		6.2		13.7		8				
					Middle	3.8	0.3	18	27.1	27.1	8.1	8.1	33.0	33.0	92.7	92.7	6.1	6.1	11.8	6.1	7	6.1			7
						3.8	0.2	22	27.1		8.1		33.0		92.7		6.1		11.4		6				
					Bottom	6.6	0.2	341	27.1	27.1	8.1	8.1	33.0	33.0	92.3	92.3	6.1	6.1	17.6	6.1	7	6.1			7
						6.6	0.2	344	27.1		8.1		33.0		92.3		6.1		17.2		6				
IM7	Cloudy	Rough	09:15	8.7	Surface	1.0	0.2	354	27.2	27.2	8.1	8.1	31.8	31.8	93.2	93.2	6.2	6.2	4.5	5.7	7	8	821351	806818	
						1.0	0.2	358	27.2		8.1		31.8		93.2		6.2		4.5		6				
					Middle	4.4	0.3	349	27.1	27.1	8.1	8.1	32.3	32.2	91.8	91.8	6.1	6.1	5.5	6.1	7	6.1			7
						4.4	0.2	351	27.1		8.1		32.2		91.7		6.1		5.5		8				
					Bottom	7.7	0.2	22	26.9	26.9	8.1	8.1	32.6	32.6	90.3	90.3	6.0	6.0	7.1	6.0	10	6.0			10
						7.7	0.2	27	26.9		8.1		32.6		90.2		6.0		7.1		9				

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 17 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Fine	Rough	10:22	9.0	Surface	1.0	0.4	288	26.9	26.9	8.1	8.1	30.4	30.4	86.4	86.5	5.8	5.9	4.3	5.4	10	11	822244	809827					
						1.0	0.4	282	26.9	8.1	8.1	30.4	30.4	86.6	86.5	5.8	5.9	4.3	5.4	9									
					Middle	4.5	0.4	298	26.9	26.9	8.1	8.1	30.4	30.4	87.8	87.9	5.9	5.9	5.9	5.9	5.9	5.9			10	10			
						4.5	0.4	293	26.9	26.9	8.1	8.1	30.4	30.4	88.1	87.9	5.9	5.9	5.9	5.9	5.9	5.9			10	10			
					Bottom	8.0	0.3	295	26.9	26.9	8.1	8.1	30.4	30.4	90.0	90.6	6.1	6.2	6.0	6.2	6.0	6.2			6.0	6.2	13	13	
						8.0	0.3	294	26.9	26.9	8.1	8.1	30.4	30.4	91.2	90.6	6.2	6.2	6.0	6.2	6.0	6.2			6.0	6.2	12	12	
IM11	Fine	Rough	10:17	7.2	Surface	1.0	0.4	300	26.9	26.9	8.1	8.1	30.4	30.4	85.3	85.5	5.8	5.8	1.2	2.3	11	10	821481	810552					
						1.0	0.5	292	26.9	26.9	8.1	8.1	30.4	30.4	85.8	85.5	5.8	5.8	1.1	2.3	10								
					Middle	3.6	0.4	284	26.9	26.9	8.1	8.1	30.4	30.4	86.6	86.7	5.8	5.8	2.5	2.3	10	10							
						3.6	0.4	281	26.9	26.9	8.1	8.1	30.4	30.4	86.9	86.7	5.9	5.9	2.5	2.3	10	10							
					Bottom	6.2	0.4	263	26.9	26.9	8.1	8.1	30.4	30.4	88.0	88.2	5.9	6.0	3.1	6.0	3.1	6.0			3.1	6.0	8	8	
						6.2	0.5	262	26.9	26.9	8.1	8.1	30.4	30.4	88.4	88.2	6.0	6.0	3.1	6.0	3.1	6.0			3.1	6.0	8	8	
IM12	Fine	Rough	10:11	8.8	Surface	1.0	0.4	291	26.9	26.9	8.1	8.1	30.5	30.5	83.4	83.4	5.6	5.7	2.8	3.5	8	9	821177	811517					
						1.0	0.4	290	26.9	26.9	8.1	8.1	30.5	30.5	83.4	83.4	5.6	5.6	2.9	3.5	8								
					Middle	4.4	0.4	295	26.9	26.9	8.1	8.1	30.5	30.5	83.9	83.9	5.7	5.7	3.4	3.5	9	9							
						4.4	0.4	295	26.9	26.9	8.1	8.1	30.5	30.5	84.0	83.9	5.7	5.7	3.5	3.5	8	8							
					Bottom	7.8	0.4	293	26.9	26.9	8.1	8.1	30.5	30.5	84.7	85.0	5.7	5.8	4.1	5.8	4.1	5.8			4.1	5.8	10	10	
						7.8	0.4	293	26.9	26.9	8.1	8.1	30.5	30.5	85.4	85.0	5.8	5.8	4.1	5.8	4.1	5.8			4.1	5.8	9	9	
SR1A	Fine	Rough	09:49	5.6	Surface	1.0	0.0	218	26.8	26.8	8.1	8.1	30.1	30.1	85.2	85.5	5.8	5.8	2.4	2.9	7	8	819983	812655					
						1.0	0.0	213	26.8	26.8	8.1	8.1	30.1	30.1	85.8	85.5	5.8	5.8	2.4	2.9	9								
					Middle	2.8	0.1	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	8	8
						2.8	0.1	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	8	8
					Bottom	4.6	0.0	192	26.8	26.8	8.1	8.1	30.2	30.2	90.1	90.8	6.1	6.2	3.3	6.2	3.3	6.2			3.3	6.2	8	8	
						4.6	0.0	186	26.8	26.8	8.1	8.1	30.2	30.2	91.5	90.8	6.2	6.2	3.3	6.2	3.3	6.2			3.3	6.2	9	9	
SR2	Fine	Rough	09:38	5.8	Surface	1.0	0.1	222	26.9	26.9	8.0	8.0	30.2	30.2	81.3	81.3	5.5	5.5	3.0	3.8	8	9	821476	814180					
						1.0	0.1	229	26.9	26.9	8.0	8.0	30.2	30.2	81.3	81.3	5.5	5.5	3.0	3.8	10								
					Middle	-	0.1	216	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	9	9
						-	0.2	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	9	9
					Bottom	4.8	0.2	211	26.9	26.9	8.0	8.0	30.2	30.2	82.2	82.4	5.6	5.6	4.6	5.6	4.6	5.6			4.6	5.6	9	9	
						4.8	0.2	207	26.9	26.9	8.0	8.0	30.2	30.2	82.6	82.4	5.6	5.6	4.6	5.6	4.6	5.6			4.6	5.6	8	8	
SR3	Cloudy	Rough	09:22	8.4	Surface	1.0	0.4	0	27.1	27.1	8.1	8.1	31.9	32.0	92.0	92.0	6.1	6.1	6.9	7.8	7	9	822130	807547					
						1.0	0.4	1	27.1	27.1	8.1	8.1	32.0	32.0	91.9	91.9	6.1	6.1	7.2	7.8	6								
					Middle	4.2	0.4	0	27.1	27.1	8.1	8.1	32.3	32.3	91.2	91.2	6.1	6.1	8.4	6.1	8.4	6.1			8.4	6.1	8	8	
						4.2	0.4	4	27.0	27.1	8.1	8.1	32.3	32.3	91.2	91.2	6.1	6.1	8.4	6.1	8.4	6.1			8.4	6.1	10	10	
					Bottom	7.4	0.4	341	27.0	27.0	8.1	8.1	32.4	32.4	91.7	91.8	6.1	6.1	7.9	6.1	7.9	6.1			7.9	6.1	12	12	
						7.4	0.3	340	27.0	27.0	8.1	8.1	32.4	32.4	91.8	91.8	6.1	6.1	7.9	6.1	7.9	6.1			7.9	6.1	11	11	
SR4A	Cloudy	Rough	07:41	9.2	Surface	1.0	0.0	202	26.9	26.9	8.1	8.1	33.0	33.0	91.9	91.9	6.1	6.1	13.5	14.7	14	12	817178	807790					
						1.0	0.0	202	26.9	26.9	8.1	8.1	33.0	33.0	91.9	91.9	6.1	6.1	13.7	14.7	12								
					Middle	4.6	0.0	206	26.9	26.9	8.1	8.1	33.0	33.0	91.8	91.8	6.1	6.1	13.8	6.1	13.8	6.1			13.8	6.1	15	12	
						4.6	0.0	202	26.9	26.9	8.1	8.1	33.0	33.0	91.8	91.8	6.1	6.1	13.8	6.1	13.8	6.1			13.8	6.1	14	12	
					Bottom	8.2	0.1	191	26.8	26.8	8.1	8.1	33.0	33.0	92.0	92.0	6.1	6.1	16.3	6.1	16.3	6.1			16.3	6.1	9	9	
						8.2	0.0	197	26.8	26.8	8.1	8.1	33.0	33.0	92.0	92.0	6.1	6.1	17.0	6.1	17.0	6.1			17.0	6.1	8	8	
SR8	Fine	Rough	10:07	5.0	Surface	1.0	-	-	27.0	27.0	8.1	8.1	30.1	30.2	88.5	88.6	6.0	6.0	5.4	6.0	9	9	820411	811621					
						1.0	-	-	27.0	27.0	8.1	8.1	30.2	30.2	88.8	88.6	6.0	6.0	5.5	6.0	10								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	8	8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	8	8
					Bottom	4.0	-	-	26.9	26.9	8.1	8.1	30.4	30.4	92.7	92.7	6.3	6.3	6.6	6.3	6.6	6.3			6.6	6.3	8	8	
						4.0	-	-	26.9	26.9	8.1	8.1	30.4	30.4	92.7	92.7	6.3	6.3	6.5	6.3	6.5	6.3			6.5	6.3	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 19 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Rough	15:35	8.6	Surface	1.0	0.1	220	26.2	26.2	8.1	8.1	30.8	30.8	93.4	93.4	6.4	6.4	9.9	9.3	8	8	815617	804248		
						1.0	0.2	226	26.2		8.1		30.8		93.3		6.4		9.6		8					
					Middle	4.3	0.1	201	26.2	26.2	8.1	8.1	30.7	30.7	92.9	92.9	6.3	6.3	8.8	6.4	7	6.4			8	8
						4.3	0.1	206	26.2		8.1		30.7		92.9		6.3		8.8		7					
					Bottom	7.6	0.1	186	26.2	26.2	8.1	8.1	30.7	30.7	93.3	93.4	6.4	6.4	9.3	6.4	7	6.4			8	8
						7.6	0.1	191	26.2		8.1		30.7		93.5		6.4		9.4		7					
C2	Cloudy	Rough	14:10	12.3	Surface	1.0	0.1	2	26.4	26.4	8.1	8.1	30.1	30.1	91.1	91.1	6.2	6.2	1.3	6.2	8	9	825697	806925		
						1.0	0.1	4	26.4		8.1		30.1		91.0		6.2		1.4		8					
					Middle	6.2	0.0	3	26.2	26.2	8.1	8.1	30.7	30.7	89.4	89.4	6.1	6.1	4.4	6.1	9	6.1			8	8
						6.2	0.0	355	26.2		8.1		30.7		89.3		6.1		4.4		8					
					Bottom	11.3	0.1	352	26.2	26.2	8.1	8.1	30.6	30.6	89.6	89.7	6.1	6.1	8.1	6.1	10	6.1			9	9
						11.3	0.1	356	26.2		8.1		30.6		89.8		6.1		8.2		9					
C3	Misty	Rough	15:25	8.8	Surface	1.0	0.1	72	26.9	26.9	8.1	8.1	32.5	32.5	89.2	89.3	5.9	6.0	6.0	6.0	9	9	822122	817798		
						1.0	0.1	69	26.9		8.1		32.5		89.3		5.9		6.0		10					
					Middle	4.4	0.1	65	26.9	26.9	8.1	8.1	32.4	32.4	90.0	90.2	6.0	6.0	7.3	6.2	7	6.2			8	8
						4.4	0.2	58	26.9		8.1		32.4		90.3		6.0		7.3		8					
					Bottom	7.8	0.2	73	26.9	26.9	8.1	8.1	32.3	32.3	91.7	92.1	6.1	6.2	8.1	6.2	9	6.2			8	9
						7.8	0.2	68	26.9		8.1		32.2		92.4		6.2		8.1		8					
IM1	Cloudy	Rough	15:14	7.4	Surface	1.0	0.1	184	26.2	26.2	8.1	8.1	30.8	30.8	92.6	92.6	6.3	6.3	7.9	6.3	7	8	818356	806471		
						1.0	0.0	182	26.2		8.1		30.8		92.5		6.3		7.9		7					
					Middle	3.7	0.0	169	26.2	26.2	8.1	8.1	30.8	30.8	91.6	91.5	6.2	6.2	7.9	6.2	8	6.2			7	7
						3.7	0.0	166	26.2		8.1		30.8		91.4		6.2		7.8		7					
					Bottom	6.4	0.0	184	26.2	26.2	8.1	8.1	30.6	30.6	90.4	90.5	6.2	6.2	8.4	6.2	9	6.2			8	9
						6.4	0.0	190	26.2		8.1		30.6		90.6		6.2		8.7		10					
IM2	Cloudy	Rough	15:09	7.6	Surface	1.0	0.1	172	26.2	26.2	8.1	8.1	31.5	31.5	91.9	91.9	6.2	6.2	6.8	6.2	7	8	819180	806225		
						1.0	0.1	170	26.2		8.1		31.5		91.9		6.2		6.2		8					
					Middle	3.8	0.0	164	26.2	26.2	8.1	8.1	31.5	31.5	91.4	91.5	6.2	6.2	7.7	6.2	8	6.2			8	8
						3.8	0.0	164	26.2		8.1		31.5		91.5		6.2		7.0		9					
					Bottom	6.6	0.0	142	26.1	26.1	8.1	8.1	31.5	31.5	91.9	92.0	6.2	6.3	10.6	6.3	9	6.3			8	9
						6.6	0.0	143	26.0		8.1		31.6		92.0		6.3		10.0		8					
IM7	Cloudy	Rough	14:37	7.8	Surface	1.0	0.0	80	26.2	26.2	8.1	8.1	30.5	30.5	91.3	91.2	6.2	6.2	2.6	6.2	8	9	821330	806854		
						1.0	0.0	86	26.2		8.1		30.5		91.1		6.2		2.8		8					
					Middle	3.9	0.1	89	26.0	26.0	8.1	8.1	31.0	31.0	89.5	89.5	6.1	6.1	4.3	6.1	8	6.1			8	8
						3.9	0.1	94	26.0		8.1		31.0		89.5		6.1		4.4		8					
					Bottom	6.8	0.1	45	26.0	26.0	8.1	8.1	31.1	31.1	89.5	89.6	6.1	6.1	4.5	6.1	11	6.1			11	11
						6.8	0.1	44	26.0		8.1		31.1		89.7		6.1		4.6		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 19 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
IM10	Misty	Rough	14:13	8.6	Surface	1.0	0.1	11	26.7	8.1	8.1	32.4	32.4	91.3	91.3	6.1	6.1	6.1	3.3	4.4	9	10	822252	809824	
						1.0	0.1	12	26.7	8.1	8.1	32.4	32.4	91.3	91.3	6.1	6.1								
					Middle	4.3	-	6	26.7	26.7	8.1	8.1	32.4	32.4	91.3	91.3	6.1	6.1	6.1	4.6	5.9	9			10
						4.3	0.0	9	26.7	26.7	8.1	8.1	32.4	32.4	91.3	91.3	6.1	6.1							
					Bottom	7.6	0.1	32	26.7	26.7	8.1	8.1	32.4	32.4	91.4	91.4	6.1	6.1	6.1	5.2	6.3	10			10
						7.6	0.1	27	26.7	26.7	8.1	8.1	32.4	32.4	91.4	91.4	6.1	6.1							
IM11	Misty	Rough	14:32	7.8	Surface	1.0	0.0	36	26.5	8.1	8.1	32.4	32.4	92.1	92.2	6.2	6.2	6.2	4.4	5.9	9	10	821503	810547	
						1.0	0.0	31	26.5	8.1	8.1	32.4	32.4	92.2	92.2	6.2	6.2								
					Middle	3.9	0.0	21	26.5	26.5	8.1	8.1	32.4	32.4	93.0	93.2	6.2	6.2	6.2	5.8	6.3	9			10
						3.9	0.1	21	26.5	26.5	8.1	8.1	32.4	32.4	93.3	93.3	6.3	6.3							
					Bottom	6.8	0.1	23	26.5	26.5	8.1	8.1	32.4	32.5	94.4	94.5	6.3	6.3	6.3	7.7	6.3	10			10
						6.8	0.0	18	26.5	26.5	8.1	8.1	32.5	32.5	94.6	94.6	6.3	6.3							
IM12	Misty	Rough	14:36	8.0	Surface	1.0	0.1	81	26.6	8.1	8.1	32.4	32.4	93.7	93.8	6.3	6.3	6.3	4.0	4.8	10	10	821173	811505	
						1.0	0.1	80	26.6	8.1	8.1	32.4	32.4	93.8	93.8	6.3	6.3								
					Middle	4.0	0.1	84	26.6	26.6	8.1	8.1	32.4	32.4	94.2	94.3	6.3	6.3	6.3	5.0	6.3	10			10
						4.0	0.1	82	26.6	26.6	8.1	8.1	32.4	32.4	94.3	94.3	6.3	6.3							
					Bottom	7.0	0.0	98	26.5	26.5	8.1	8.1	32.4	32.4	96.0	96.2	6.4	6.5	6.5	5.3	6.5	8			9
						7.0	0.0	92	26.5	26.5	8.1	8.1	32.4	32.4	96.3	96.3	6.5	6.5							
SR1A	Misty	Rough	14:49	4.4	Surface	1.0	0.0	21	26.3	8.1	8.1	32.0	32.0	90.0	90.6	6.1	6.1	6.1	8.8	8.9	8	8	819972	812664	
						1.0	0.1	19	26.3	8.1	8.1	32.0	32.0	91.1	91.1	6.1	6.1								
					Middle	2.2	0.0	18	-	-	-	-	-	-	-	-	-	-	6.1	-	6.3	-			8
						2.2	0.0	24	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.4	0.0	34	26.3	26.3	8.1	8.1	32.0	32.0	92.3	93.0	6.2	6.3	6.3	9.1	6.3	8			8
						3.4	0.0	34	26.2	26.3	8.1	8.1	32.0	32.0	93.7	93.7	6.3	6.3							
SR2	Misty	Rough	15:07	4.8	Surface	1.0	0.1	54	26.7	8.1	8.1	32.3	32.3	93.8	94.0	6.3	6.3	6.3	7.0	7.4	8	8	821471	814158	
						1.0	0.0	46	26.7	8.1	8.1	32.3	32.3	94.1	94.1	6.3	6.3								
					Middle	-	0.1	43	-	-	-	-	-	-	-	-	-	-	6.3	-	6.3	-			8
						-	0.1	48	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	0.1	46	26.7	26.7	8.1	8.1	32.1	32.0	95.7	95.9	6.4	6.4	6.4	7.8	6.4	8			8
						3.8	0.2	46	26.7	26.7	8.1	8.1	32.0	32.0	96.0	96.0	6.4	6.4							
SR3	Cloudy	Rough	14:30	8.9	Surface	1.0	0.0	30	26.3	8.1	8.1	30.3	30.3	91.1	91.1	6.2	6.2	6.2	3.4	7.6	10	10	822167	807576	
						1.0	0.0	27	26.3	8.1	8.1	30.3	30.3	91.1	91.1	6.2	6.2								
					Middle	4.5	0.0	33	26.2	26.2	8.1	8.1	30.8	30.8	90.1	90.0	6.1	6.1	6.1	9.1	6.1	8			9
						4.5	0.0	39	26.1	26.2	8.1	8.1	30.9	30.8	89.9	89.9	6.1	6.1							
					Bottom	7.9	0.0	34	26.1	26.1	8.0	8.0	30.9	30.9	89.5	89.5	6.1	6.1	6.1	10.0	6.1	8			9
						7.9	0.1	37	26.1	26.1	8.0	8.0	30.9	30.9	89.5	89.5	6.1	6.1							
SR4A	Cloudy	Rough	16:02	8.9	Surface	1.0	0.0	4	26.3	8.1	8.1	30.7	30.7	92.8	92.8	6.3	6.3	6.3	3.1	5.6	8	9	817200	807817	
						1.0	0.1	359	26.3	8.1	8.1	30.7	30.7	92.7	92.7	6.3	6.3								
					Middle	4.5	-	347	26.1	26.1	8.1	8.1	30.7	30.7	90.6	90.7	6.2	6.2	6.2	5.8	6.3	9			9
						4.5	0.1	343	26.1	26.1	8.1	8.1	30.7	30.7	90.7	90.7	6.2	6.2							
					Bottom	7.9	0.0	348	26.0	26.0	8.1	8.1	30.8	30.8	91.8	91.9	6.3	6.3	6.3	7.3	6.3	9			10
						7.9	0.0	350	25.9	26.0	8.1	8.1	30.9	30.8	91.9	91.9	6.3	6.3							
SR8	Misty	Rough	14:40	5.8	Surface	1.0	-	-	26.5	8.1	8.1	32.4	32.4	92.7	92.8	6.2	6.2	6.2	4.1	5.1	8	8	820411	811614	
						1.0	-	-	26.5	8.1	8.1	32.4	32.4	92.9	92.9	6.2	6.2								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	6.2	-			8
						-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.8	-	-	26.4	26.4	8.1	8.1	32.4	32.4	94.9	95.1	6.4	6.4	6.4	6.1	6.4	8			9
						4.8	-	-	26.4	26.4	8.1	8.1	32.4	32.4	95.2	95.2	6.4	6.4							

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 19 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Cloudy	Rough	09:46	8.6	Surface	1.0	0.3	28	25.5	25.5	8.1	8.1	30.0	30.0	88.3	88.3	6.1	6.1	8.1	8.1	8	9	815627	804238	
						1.0	0.3	24	25.5	8.1	8.1	30.0	30.0	88.2	88.2	6.1	6.1	8.0	8.0	8					
					Middle	4.3	0.3	17	25.5	25.5	8.1	8.1	30.0	30.0	87.6	87.6	6.1	6.1	10.4	10.4	8				8
						4.3	0.3	22	25.5	25.5	8.1	8.1	30.0	30.0	87.6	87.6	6.1	6.1	10.2	10.2	9				9
					Bottom	7.6	0.3	40	25.5	25.5	8.1	8.1	30.0	30.0	87.5	87.5	6.1	6.1	8.2	8.2	9				9
						7.6	0.3	42	25.5	25.5	8.1	8.1	30.0	30.0	87.5	87.5	6.1	6.1	8.1	8.1	10				10
C2	Cloudy	Rough	11:28	11.6	Surface	1.0	0.3	355	26.0	26.0	8.0	8.0	28.6	28.6	86.7	86.7	6.0	6.0	1.2	1.2	8	9	825670	806966	
						1.0	0.4	356	26.0	26.0	8.1	8.1	28.6	28.6	86.6	86.6	6.0	6.0	1.2	1.2	9				
					Middle	5.8	0.3	356	25.8	25.8	8.1	8.1	29.2	29.2	85.1	85.1	5.9	5.9	1.5	1.5	9				9
						5.8	0.4	3	25.8	25.8	8.1	8.1	29.2	29.2	85.0	85.0	5.9	5.9	1.6	1.6	10				10
					Bottom	10.6	0.3	350	25.8	25.8	8.0	8.0	29.3	29.3	84.9	84.9	5.9	5.9	9.1	9.1	9				9
						10.6	0.3	350	25.8	25.8	8.0	8.0	29.3	29.3	85.1	85.1	5.9	5.9	9.0	9.0	10				10
C3	Rainy	Moderate	10:27	9.0	Surface	1.0	0.4	251	26.7	26.7	8.1	8.1	32.4	32.4	90.7	90.7	6.1	6.1	5.4	5.4	9	8	822092	817789	
						1.0	0.4	249	26.7	26.7	8.1	8.1	32.4	32.4	90.7	90.7	6.1	6.1	5.4	5.4	8				
					Middle	4.5	0.5	270	26.7	26.7	8.0	8.0	32.4	32.4	90.6	90.6	6.1	6.1	6.6	6.6	8				8
						4.5	0.5	263	26.7	26.7	8.0	8.0	32.4	32.4	90.6	90.6	6.1	6.1	6.5	6.5	8				8
					Bottom	8.0	0.5	246	26.7	26.7	8.0	8.0	32.4	32.4	90.6	90.6	6.1	6.1	8.8	8.8	8				8
						8.0	0.5	243	26.7	26.7	8.1	8.1	32.4	32.4	90.7	90.7	6.1	6.1	8.8	8.8	8				8
IM1	Cloudy	Rough	10:10	7.2	Surface	1.0	0.2	30	25.8	25.8	8.1	8.1	30.3	30.3	87.2	87.2	6.0	6.0	8.0	8.0	8	7	818370	806438	
						1.0	0.2	23	25.8	25.8	8.1	8.1	30.3	30.3	87.2	87.2	6.0	6.0	8.5	8.5	8				
					Middle	3.6	0.2	10	25.8	25.8	8.1	8.1	30.3	30.3	86.4	86.4	5.9	5.9	5.2	5.2	7				7
						3.6	0.2	10	25.8	25.8	8.1	8.1	30.3	30.3	86.4	86.4	5.9	5.9	5.2	5.2	8				8
					Bottom	6.2	0.2	36	25.7	25.7	8.1	8.1	30.3	30.3	85.9	85.9	5.9	5.9	7.6	7.6	6				6
						6.2	0.2	41	25.7	25.7	8.1	8.1	30.3	30.3	85.9	85.9	5.9	5.9	7.6	7.6	7				7
IM2	Cloudy	Rough	10:16	7.5	Surface	1.0	0.1	342	25.8	25.8	8.1	8.1	30.3	30.3	87.4	87.4	6.0	6.0	8.6	8.6	8	8	819189	806240	
						1.0	0.1	339	25.8	25.8	8.1	8.1	30.3	30.3	87.4	87.4	6.0	6.0	8.5	8.5	9				
					Middle	3.8	0.2	338	25.8	25.8	8.1	8.1	30.3	30.3	86.9	86.9	6.0	6.0	6.6	6.6	9				9
						3.8	0.2	344	25.8	25.8	8.1	8.1	30.3	30.3	86.9	86.9	6.0	6.0	6.2	6.2	8				8
					Bottom	6.5	0.1	326	25.8	25.8	8.1	8.1	30.3	30.3	86.5	86.5	5.9	5.9	12.4	12.4	8				8
						6.5	0.1	321	25.8	25.8	8.1	8.1	30.3	30.3	86.5	86.5	5.9	5.9	11.9	11.9	8				8
IM7	Cloudy	Rough	10:50	8.2	Surface	1.0	0.2	347	25.9	25.9	8.1	8.1	28.8	28.8	87.4	87.4	6.0	6.0	2.4	2.4	10	9	821367	806813	
						1.0	0.3	341	25.9	25.9	8.1	8.1	28.8	28.8	87.4	87.4	6.0	6.0	2.4	2.4	11				
					Middle	4.1	0.2	315	25.8	25.8	8.1	8.1	29.3	29.2	86.0	86.0	5.9	5.9	3.5	3.5	8				8
						4.1	0.1	309	25.8	25.8	8.1	8.1	29.2	29.2	85.9	85.9	5.9	5.9	3.4	3.4	8				8
					Bottom	7.2	0.2	325	25.6	25.6	8.1	8.1	29.6	29.6	84.5	84.5	5.8	5.8	5.1	5.1	8				8
						7.2	0.2	318	25.6	25.6	8.1	8.1	29.6	29.6	84.4	84.4	5.8	5.8	5.1	5.1	9				9

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 19 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Misty	Moderate	12:13	9.2	Surface	1.0	0.3	308	26.7	26.7	8.1	8.1	32.4	32.4	91.4	91.4	6.1	6.1	3.3	4.3	8	9	822251	809818				
						1.0	0.2	300	26.7		8.1		32.4		91.3		6.1		3.3		9							
					Middle	4.6	0.2	301	26.7	8.1	8.1	32.4	32.4	91.3	91.3	6.1	6.1	4.3	8									
						4.6	0.3	301	26.7	8.1	8.1	32.4	32.4	91.3	91.3	6.1	6.1	4.3	10									
					Bottom	8.2	0.3	306	26.7	8.1	8.1	32.4	32.4	91.5	91.6	6.1	6.1	5.3	10									
						8.2	0.3	307	26.7	8.1	8.1	32.4	32.4	91.6	91.6	6.1	6.1	5.3	10									
IM11	Misty	Moderate	12:00	8.0	Surface	1.0	0.3	300	26.7	26.7	8.1	8.1	32.4	32.4	92.1	92.1	6.2	6.2	4.1	5.3	9	9	821495	810540				
						1.0	0.3	296	26.7		8.1		32.4		92.1		6.2		4.1		10							
					Middle	4.0	0.3	271	26.6	8.1	8.1	32.4	32.4	92.7	92.8	6.2	6.2	5.7	8									
						4.0	0.2	276	26.6	8.1	8.1	32.4	32.4	92.8	92.8	6.2	6.2	5.8	9									
					Bottom	7.0	0.4	297	26.6	8.1	8.1	32.5	32.5	93.8	93.9	6.3	6.3	6.1	9									
						7.0	0.3	291	26.6	8.1	8.1	32.5	32.5	94.0	94.0	6.3	6.3	6.1	8									
IM12	Misty	Moderate	11:55	8.2	Surface	1.0	0.3	301	26.5	26.5	8.1	8.1	32.4	32.4	93.4	93.4	6.3	6.3	5.4	6.5	9	9	821172	811504				
						1.0	0.3	298	26.5		8.1		32.4		93.4		6.3		5.4		8							
					Middle	4.1	0.4	299	26.5	8.1	8.1	32.4	32.4	94.1	94.2	6.3	6.3	6.4	8									
						4.1	0.4	297	26.5	8.1	8.1	32.4	32.4	94.2	94.2	6.3	6.3	6.5	9									
					Bottom	7.2	0.4	304	26.5	8.1	8.1	32.4	32.4	95.4	95.5	6.4	6.4	7.7	9									
						7.2	0.4	304	26.5	8.1	8.1	32.3	32.4	95.6	95.6	6.4	6.4	7.7	10									
SR1A	Misty	Moderate	11:03	4.6	Surface	1.0	0.0	185	26.3	26.3	8.1	8.1	32.1	32.1	91.0	91.1	6.1	6.1	5.6	6.1	8	9	819977	812662				
						1.0	0.0	178	26.3		8.1		32.1		91.1		6.1		5.6		9							
					Middle	2.3	0.0	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.3	0.0	204	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.6	0.0	200	26.3	8.1	8.1	32.2	32.2	93.4	93.7	6.3	6.3	6.6	9									
						3.6	0.1	206	26.3	8.1	8.1	32.2	32.2	94.0	94.0	6.3	6.3	6.6	10									
SR2	Misty	Moderate	10:44	4.2	Surface	1.0	0.1	238	26.7	26.7	8.1	8.1	32.4	32.4	90.5	90.5	6.0	6.0	5.1	5.7	9	9	821469	814160				
						1.0	0.1	238	26.7		8.1		32.4		90.5		6.0		5.1		10							
					Middle	-	0.2	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	0.2	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.2	0.1	212	26.7	8.1	8.1	32.4	32.4	90.6	90.6	6.1	6.1	6.2	9									
						3.2	0.1	207	26.7	8.1	8.1	32.4	32.4	90.6	90.6	6.1	6.1	6.3	8									
SR3	Cloudy	Rough	10:57	8.6	Surface	1.0	0.2	359	25.8	25.8	8.1	8.1	28.9	29.0	86.2	86.2	6.0	6.0	4.8	5.7	6	7	822166	807591				
						1.0	0.3	357	25.8		8.1		29.0		86.1		6.0		5.2		7							
					Middle	4.3	0.2	342	25.8	8.0	8.0	29.3	29.3	85.4	85.4	5.9	5.9	6.4	8									
						4.3	0.2	346	25.7	8.0	8.0	29.3	29.3	85.4	85.4	5.9	5.9	6.4	7									
					Bottom	7.6	0.2	347	25.7	8.0	8.0	29.4	29.4	85.9	86.0	5.9	5.9	5.9	8									
						7.6	0.3	342	25.7	8.0	8.0	29.4	29.4	86.0	86.0	6.0	6.0	5.9	7									
SR4A	Cloudy	Rough	09:21	8.3	Surface	1.0	0.1	188	25.5	25.5	8.1	8.1	30.1	30.2	84.6	84.7	5.8	5.9	4.8	6.5	10	10	817174	807828				
						1.0	0.0	193	25.5		8.1		30.2		84.7		5.9		5.0		9							
					Middle	4.2	0.0	179	25.5	8.1	8.1	30.3	30.3	85.2	85.3	5.9	5.9	5.9	8									
						4.2	0.0	174	25.5	8.1	8.1	30.3	30.3	85.3	85.3	5.9	5.9	6.1	10									
					Bottom	7.3	0.0	220	25.5	8.2	8.2	30.5	30.5	85.9	86.0	5.9	5.9	8.5	11									
						7.3	0.1	214	25.5	8.2	8.2	30.5	30.5	86.0	86.0	5.9	5.9	8.6	11									
SR8	Misty	Moderate	11:44	5.8	Surface	1.0	-	-	26.6	26.6	8.1	8.1	32.4	32.4	91.7	91.8	6.1	6.2	5.1	5.6	8	9	820381	811622				
						1.0	-	-	26.6		8.1		32.4		91.8		6.2		5.2		9							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	4.8	-	-	26.5	8.1	8.1	32.4	32.4	92.9	93.1	6.2	6.2	6.0	9									
						4.8	-	-	26.5	8.1	8.1	32.4	32.4	93.2	93.2	6.2	6.2	6.1	9									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	04:43	8.0	Surface	1.0	0.5	216	26.0	26.0	8.1	8.1	32.6	32.6	90.9	90.9	6.1	6.1	7.7	8.2	11	10	815641	804265
						1.0	0.5	223	26.0	8.1	8.1	32.6	32.6	90.8	90.9	6.1	6.1	7.7	8.2	10	10			
					Middle	4.0	0.5	204	26.0	26.0	8.1	8.1	32.6	32.6	89.8	89.8	6.1	6.1	8.0	8.2	9	10		
						4.0	0.5	208	26.0	26.0	8.1	8.1	32.6	32.6	89.7	89.8	6.1	6.1	8.0	8.2	11	10		
					Bottom	7.0	0.5	191	26.0	26.0	8.1	8.1	32.6	32.6	90.7	90.8	6.1	6.1	8.5	8.2	11	10		
						7.0	0.5	190	26.0	26.0	8.1	8.1	32.6	32.6	90.8	90.8	6.1	6.1	9.0	8.2	10	10		
C2	Cloudy	Rough	06:19	11.2	Surface	1.0	0.8	166	26.1	26.1	8.1	8.1	31.5	31.5	91.7	91.7	6.2	6.2	3.6	8.1	5	5	825663	806936
						1.0	0.8	161	26.1	26.1	8.1	8.1	31.5	31.5	91.7	91.7	6.2	6.2	3.7	8.1	5	5		
					Middle	5.6	0.8	186	26.2	26.2	8.1	8.1	31.6	31.6	91.0	91.0	6.2	6.2	12.0	8.1	5	5		
						5.6	0.8	183	26.2	26.2	8.1	8.1	31.6	31.6	91.0	91.0	6.2	6.2	11.7	8.1	5	5		
					Bottom	10.2	0.9	177	26.2	26.2	8.0	8.0	31.6	31.6	90.8	90.8	6.2	6.2	8.4	8.1	3	5		
						10.2	0.9	178	26.2	26.2	8.0	8.0	31.6	31.6	90.8	90.8	6.2	6.2	9.3	8.1	4	5		
C3	Rainy	Moderate	05:15	8.8	Surface	1.0	0.5	73	26.0	26.0	8.1	8.1	30.5	30.5	79.3	79.3	5.4	5.4	3.3	3.4	6	7	822129	817806
						1.0	0.5	69	26.0	26.0	8.1	8.1	30.5	30.5	79.3	79.3	5.4	5.4	3.3	3.4	8	7		
					Middle	4.4	0.5	64	26.0	26.0	8.1	8.1	30.5	30.5	79.5	79.5	5.4	5.4	3.4	3.4	7	7		
						4.4	0.4	62	26.0	26.0	8.1	8.1	30.5	30.5	79.5	79.5	5.4	5.4	3.4	3.4	6	7		
					Bottom	7.8	0.4	63	25.9	25.9	8.1	8.0	30.5	30.5	80.6	80.7	5.5	5.5	3.6	3.4	6	7		
						7.8	0.4	64	25.9	25.9	8.0	8.0	30.5	30.5	80.8	80.7	5.5	5.5	3.6	3.4	7	7		
IM1	Cloudy	Rough	05:03	6.9	Surface	1.0	0.4	186	25.9	25.9	8.1	8.1	32.5	32.5	91.5	91.5	6.2	6.2	3.9	4.8	5	6	818337	806481
						1.0	0.4	185	25.9	25.9	8.1	8.1	32.5	32.5	91.5	91.5	6.2	6.2	3.9	4.8	6	6		
					Middle	3.5	0.4	175	25.9	25.9	8.1	8.1	32.5	32.5	91.4	91.4	6.2	6.2	4.8	4.8	4	6		
						3.5	0.4	167	25.9	25.9	8.1	8.1	32.5	32.5	91.4	91.4	6.2	6.2	4.9	4.8	6	6		
					Bottom	5.9	0.4	192	25.8	25.8	8.1	8.1	32.5	32.5	91.6	91.7	6.2	6.2	5.4	4.8	6	6		
						5.9	0.4	185	25.8	25.8	8.1	8.1	32.5	32.5	91.7	91.7	6.2	6.2	5.7	4.8	6	6		
IM2	Cloudy	Rough	05:08	6.7	Surface	1.0	0.5	207	25.9	25.9	8.1	8.1	32.4	32.4	91.3	91.3	6.2	6.2	6.9	8.6	8	7	819166	806228
						1.0	0.5	202	25.9	25.9	8.1	8.1	32.4	32.4	91.2	91.3	6.2	6.2	7.2	8.6	6	7		
					Middle	3.4	0.5	179	25.9	25.9	8.1	8.1	32.4	32.4	90.5	90.5	6.1	6.1	9.3	8.6	8	7		
						3.4	0.5	181	25.9	25.9	8.1	8.1	32.5	32.4	90.4	90.5	6.1	6.1	10.2	8.6	6	7		
					Bottom	5.7	0.5	198	25.9	25.9	8.1	8.1	32.5	32.5	90.0	90.0	6.1	6.1	9.1	8.6	8	7		
						5.7	0.4	190	25.8	25.9	8.1	8.1	32.5	32.5	90.0	90.0	6.1	6.1	9.1	8.6	6	7		
IM7	Cloudy	Rough	05:45	7.7	Surface	1.0	0.4	188	26.2	26.2	8.1	8.1	31.7	31.7	91.4	91.4	6.2	6.2	3.3	4.4	6	6	821327	806836
						1.0	0.4	187	26.2	26.2	8.1	8.1	31.7	31.7	91.4	91.4	6.2	6.2	3.2	4.4	6	6		
					Middle	3.9	0.4	196	26.2	26.2	8.1	8.1	31.9	31.9	90.6	90.6	6.1	6.1	3.8	4.4	6	6		
						3.9	0.3	189	26.2	26.2	8.1	8.1	31.9	31.9	90.6	90.6	6.1	6.1	3.9	4.4	6	6		
					Bottom	6.7	0.4	219	26.0	26.0	8.0	8.0	32.2	32.2	90.3	90.4	6.1	6.1	6.2	4.4	4	6		
						6.7	0.4	212	26.0	26.0	8.0	8.0	32.2	32.2	90.5	90.4	6.1	6.1	6.2	4.4	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 21 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Misty	Moderate	06:21	9.0	Surface	1.0	0.5	136	25.4	25.4	8.1	8.1	30.3	30.3	86.7	86.7	6.0	6.0	2.1	2.1	7	7	822247	809840				
						1.0	0.5	136	25.4	8.1	8.1	30.3	30.3	86.7	86.7	6.0	6.0	2.1	2.1	6	6							
					Middle	4.5	0.5	145	25.4	25.4	8.1	8.1	30.3	30.3	86.7	86.7	6.0	6.0	3.0	3.0	7	7						
						4.5	0.5	146	25.4	8.1	8.1	30.3	30.3	86.7	86.7	6.0	6.0	3.1	3.1	5	5							
					Bottom	8.0	0.5	150	25.4	25.4	8.1	8.1	30.4	30.4	87.1	87.3	6.0	6.0	4.5	4.5	8	8						
						8.0	0.6	150	25.4	8.1	8.1	30.4	30.4	87.5	87.3	6.0	6.0	4.4	4.4	7	7							
IM11	Misty	Moderate	06:16	8.2	Surface	1.0	0.5	112	25.3	25.3	8.1	8.1	30.4	30.4	86.3	86.3	6.0	6.0	3.2	3.2	6	6	821512	810544				
						1.0	0.5	109	25.3	8.1	8.1	30.4	30.4	86.3	86.3	6.0	6.0	3.2	3.2	6	6							
					Middle	4.1	0.6	88	25.3	25.3	8.1	8.1	30.4	30.4	86.6	86.7	6.0	6.0	4.2	4.2	7	7						
						4.1	0.6	87	25.3	8.1	8.1	30.4	30.4	86.7	86.7	6.0	6.0	4.2	4.2	6	6							
					Bottom	7.2	0.5	120	25.3	25.3	8.1	8.1	30.4	30.4	87.7	87.8	6.1	6.1	5.7	5.7	6	6						
						7.2	0.5	121	25.3	8.1	8.1	30.4	30.4	87.8	87.8	6.1	6.1	5.7	5.7	6	6							
IM12	Misty	Moderate	06:11	8.2	Surface	1.0	0.6	95	25.4	25.4	8.1	8.1	30.4	30.4	86.3	86.3	6.0	6.0	3.1	3.1	6	5	821156	811513				
						1.0	0.7	99	25.4	8.1	8.1	30.4	30.4	86.3	86.3	6.0	6.0	3.1	3.1	5	5							
					Middle	4.1	0.6	91	25.4	25.4	8.1	8.1	30.4	30.4	87.1	87.2	6.0	6.0	4.1	4.1	6	6						
						4.1	0.6	83	25.4	8.1	8.1	30.4	30.4	87.2	87.2	6.0	6.0	4.1	4.1	5	5							
					Bottom	7.2	0.6	81	25.3	25.4	8.1	8.1	30.4	30.4	88.0	88.2	6.1	6.1	5.1	5.1	6	6						
						7.2	0.6	83	25.4	8.1	8.1	30.4	30.4	88.4	88.2	6.1	6.1	5.1	5.1	4	4							
SR1A	Misty	Moderate	05:46	4.2	Surface	1.0	0.0	67	25.4	25.4	8.0	8.0	30.3	30.3	83.5	83.6	5.8	5.8	3.1	3.1	6	6	819980	812664				
						1.0	0.1	73	25.4	8.0	8.0	30.3	30.3	83.7	83.6	5.8	5.8	3.1	3.1	6	6							
					Middle	2.1	0.1	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	7
						2.1	0.1	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
					Bottom	3.2	0.0	75	25.4	25.4	8.0	8.0	30.3	30.3	85.4	85.6	5.9	5.9	4.1	4.1	6	6						
						3.2	0.1	80	25.4	8.0	8.0	30.3	30.3	85.8	85.6	5.9	5.9	4.1	4.1	8	8							
SR2	Misty	Moderate	05:35	5.0	Surface	1.0	0.6	44	25.4	25.4	8.1	8.1	30.4	30.4	87.3	87.4	6.0	6.0	4.6	4.6	6	6	821453	814159				
						1.0	0.6	38	25.4	8.1	8.1	30.4	30.4	87.4	87.4	6.0	6.0	4.6	4.6	6	6							
					Middle	-	0.6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
						-	0.5	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	4.0	0.6	57	25.3	25.3	8.1	8.1	30.4	30.4	88.4	88.6	6.1	6.1	5.9	5.9	6	6						
						4.0	0.7	54	25.3	8.1	8.1	30.4	30.4	88.8	88.6	6.1	6.1	5.9	5.9	5	5							
SR3	Cloudy	Rough	05:52	8.0	Surface	1.0	0.7	180	26.2	26.2	8.1	8.1	31.7	31.7	91.3	91.3	6.2	6.2	3.1	3.1	6	6	822141	807552				
						1.0	0.7	181	26.2	8.1	8.1	31.7	31.7	91.3	91.3	6.2	6.2	3.2	3.2	7	7							
					Middle	4.0	0.6	184	26.2	26.2	8.1	8.1	31.9	31.9	90.5	90.5	6.1	6.1	8.8	8.8	5	5						
						4.0	0.7	179	26.2	8.1	8.1	31.9	31.9	90.5	90.5	6.1	6.1	9.2	9.2	5	5							
					Bottom	7.0	0.6	151	26.2	26.2	8.1	8.1	32.0	32.0	90.5	90.6	6.1	6.1	10.4	10.4	4	4						
						7.0	0.6	145	26.2	8.1	8.1	32.0	32.0	90.6	90.6	6.1	6.1	10.3	10.3	6	6							
SR4A	Cloudy	Rough	04:17	8.7	Surface	1.0	0.0	96	26.0	26.0	8.1	8.1	32.4	32.4	87.3	87.3	5.9	5.9	6.6	6.6	10	9	817208	807804				
						1.0	0.1	92	26.0	8.1	8.1	32.4	32.4	87.3	87.3	5.9	5.9	6.8	6.8	9	9							
					Middle	4.4	0.0	86	25.9	25.9	8.0	8.0	32.4	32.4	87.2	87.2	5.9	5.9	8.1	8.1	9	9						
						4.4	0.1	79	25.9	8.0	8.0	32.4	32.4	87.2	87.2	5.9	5.9	8.2	8.2	8	8							
					Bottom	7.7	0.0	105	25.9	25.9	8.0	8.0	32.4	32.4	87.4	87.5	5.9	5.9	8.3	8.3	8	8						
						7.7	0.1	111	25.9	8.0	8.0	32.4	32.4	87.5	87.5	5.9	5.9	8.2	8.2	10	10							
SR8	Misty	Moderate	06:03	5.2	Surface	1.0	-	-	25.4	25.4	8.1	8.1	30.4	30.4	86.9	87.0	6.0	6.0	4.3	4.3	7	6	820388	811621				
						1.0	-	-	25.4	8.1	8.1	30.4	30.4	87.1	87.0	6.0	6.0	4.3	4.3	6	6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
					Bottom	4.2	-	-	25.4	25.4	8.1	8.1	30.4	30.4	88.4	88.8	6.1	6.2	5.6	5.6	6	6						
						4.2	-	-	25.4	8.1	8.1	30.4	30.4	89.1	88.8	6.2	6.2	5.6	5.6	6	6							

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 21 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Rough	17:11	8.4	Surface	1.0	0.0	41	25.9	25.9	8.1	8.1	32.6	32.6	92.1	92.1	6.2	6.2	8.6	9.0	16	16	815626	804241		
						1.0	0.0	46	25.9		8.1		32.6		92.1		6.2		8.4		15					
					Middle	4.2	0.0	58	25.9	25.9	8.1	8.1	32.6	32.5	91.8	91.8	6.2	6.2	8.3	6.2	15				6.2	15
						4.2	0.0	51	25.9		8.1		32.5		91.8		6.2		8.5		15					
					Bottom	7.4	0.1	57	25.8	25.8	8.1	8.1	32.4	32.4	91.5	91.5	6.2	6.2	10.1	6.2	10.1				6.2	15
						7.4	0.1	55	25.8		8.1		32.4		91.4		6.2		10.1		17					
C2	Cloudy	Rough	15:40	11.9	Surface	1.0	0.0	348	26.2	26.2	8.1	8.1	31.5	31.5	91.4	91.4	6.2	6.2	3.4	5.0	6	6	825658	806945		
						1.0	0.1	345	26.2		8.1		31.5		91.3		6.2		3.5		6					
					Middle	6.0	0.1	323	26.3	26.3	8.1	8.1	31.7	31.7	90.1	90.1	6.1	6.1	3.9	6.1	6				6.1	6
						6.0	0.1	324	26.3		8.1		31.7		90.1		6.1		3.9		5					
					Bottom	10.9	0.1	318	26.3	26.3	8.1	8.1	31.8	31.7	90.7	90.8	6.1	6.1	7.7	6.1	7.7				6.1	6
						10.9	0.1	325	26.2		8.1		31.7		90.8		6.1		7.6		5					
C3	Misty	Rough	16:40	8.8	Surface	1.0	0.0	276	25.9	25.9	8.1	8.1	30.5	30.5	80.2	80.3	5.5	5.6	2.1	3.4	8	7	822090	817810		
						1.0	0.1	277	25.9		8.1		30.5		80.3		5.5		2.1		8					
					Middle	4.4	0.1	288	25.8	25.8	8.1	8.1	30.5	30.5	81.1	81.3	5.6	5.6	3.7	5.6	7				5.6	7
						4.4	0.0	285	25.8		8.1		30.5		81.4		5.6		3.7		6					
					Bottom	7.8	0.1	278	25.8	25.8	8.1	8.1	30.5	30.5	82.6	82.7	5.7	5.7	4.5	5.7	8				5.7	8
						7.8	0.1	272	25.8		8.1		30.5		82.8		5.7		4.4		7					
IM1	Cloudy	Rough	16:48	6.6	Surface	1.0	0.0	31	25.8	25.8	8.1	8.1	32.5	32.5	92.4	92.4	6.3	6.3	15.3	10.0	9	9	818359	806466		
						1.0	0.0	31	25.8		8.1		32.5		92.4		6.3		15.3		10					
					Middle	3.3	0.1	16	25.8	25.8	8.1	8.1	32.5	32.5	92.7	92.7	6.3	6.3	7.2	6.3	8				6.3	8
						3.3	0.1	9	25.8		8.1		32.5		92.7		6.3		7.2		9					
					Bottom	5.6	0.0	42	25.8	25.8	8.1	8.1	32.6	32.6	93.6	93.7	6.4	6.4	7.6	6.4	8				6.4	8
						5.6	0.0	38	25.8		8.1		32.6		93.8		6.4		7.6		7					
IM2	Cloudy	Rough	16:43	6.8	Surface	1.0	0.1	40	25.9	25.9	8.1	8.1	32.4	32.4	91.9	91.9	6.2	6.3	4.9	5.3	6	7	819173	806225		
						1.0	0.1	44	25.9		8.1		32.4		91.9		6.2		4.9		6					
					Middle	3.4	0.1	22	25.9	25.9	8.1	8.1	32.4	32.4	92.2	92.3	6.3	6.3	5.5	6.3	8				6.3	8
						3.4	0.0	14	25.9		8.1		32.4		92.3		6.3		5.4		8					
					Bottom	5.8	0.1	31	25.8	25.8	8.1	8.1	32.4	32.4	93.6	93.8	6.4	6.4	5.7	6.4	7				6.4	7
						5.8	0.0	28	25.8		8.1		32.4		94.0		6.4		5.5		7					
IM7	Cloudy	Rough	16:08	8.2	Surface	1.0	0.1	40	26.1	26.1	8.1	8.1	31.7	31.7	91.6	91.6	6.2	6.2	3.2	4.2	6	5	821353	806852		
						1.0	0.1	45	26.1		8.1		31.8		91.6		6.2		3.3		6					
					Middle	4.1	0.0	28	26.1	26.1	8.1	8.1	31.8	31.8	91.4	91.4	6.2	6.2	3.6	6.2	6				6.2	6
						4.1	0.1	25	26.1		8.1		31.8		91.4		6.2		3.6		5					
					Bottom	7.2	0.1	35	26.1	26.1	8.1	8.1	32.1	32.1	91.8	91.9	6.2	6.2	5.8	6.2	6.2				6.2	4
						7.2	0.1	38	26.1		8.1		32.1		91.9		6.2		5.8		5					

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 21 October 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Misty	Rough	15:34	8.4	Surface	1.0	0.1	289	25.4	25.4	8.2	8.2	30.3	30.3	86.8	86.8	6.0	6.0	4.3	4.3	8	9	822248	809859				
						1.0	0.1	295	25.4	8.2	8.2	30.3	30.3	86.8	86.8	6.0	6.0	4.3	4.3	9	9							
					Middle	4.2	0.2	305	25.4	25.4	8.2	8.2	30.3	30.3	86.7	86.7	6.0	6.0	5.1	5.1	8	8						
						4.2	0.2	307	25.4	8.2	8.2	30.3	30.3	86.7	86.7	6.0	6.0	5.1	5.1	10	10							
					Bottom	7.4	0.2	311	25.4	25.4	8.2	8.2	30.3	30.3	86.8	86.8	6.0	6.0	6.6	6.6	9	9						
						7.4	0.2	318	25.4	8.2	8.2	30.3	30.3	86.8	86.8	6.0	6.0	6.5	6.5	8	8							
IM11	Misty	Rough	15:40	7.4	Surface	1.0	0.1	298	25.4	25.4	8.2	8.2	30.4	30.4	86.3	86.3	6.0	6.0	2.3	2.3	8	7	821504	810550				
						1.0	0.2	297	25.4	8.2	8.2	30.4	30.4	86.3	86.3	6.0	6.0	2.3	2.3	7	7							
					Middle	3.7	0.1	305	25.4	25.4	8.2	8.2	30.4	30.4	86.3	86.3	6.0	6.0	3.1	3.1	9	9						
						3.7	0.0	310	25.4	8.2	8.2	30.4	30.4	86.3	86.3	6.0	6.0	3.1	3.1	9	9							
					Bottom	6.4	0.2	307	25.4	25.4	8.1	8.1	30.4	30.4	86.5	86.5	6.0	6.0	4.9	4.9	8	8						
						6.4	0.1	303	25.4	8.1	8.1	30.4	30.4	86.6	86.6	6.0	6.0	4.9	4.9	7	7							
IM12	Misty	Rough	15:49	8.0	Surface	1.0	0.2	298	25.4	25.4	8.1	8.1	30.4	30.4	84.2	84.3	5.8	5.8	1.4	1.4	8	7	821141	811521				
						1.0	0.2	299	25.4	8.1	8.1	30.4	30.4	84.3	84.3	5.8	5.8	1.4	1.4	7	7							
					Middle	4.0	0.1	277	25.4	25.4	8.1	8.1	30.4	30.4	84.7	84.9	5.9	5.9	3.0	3.0	8	8						
						4.0	0.1	270	25.4	8.1	8.1	30.4	30.4	85.0	85.0	5.9	5.9	3.0	3.0	7	7							
					Bottom	7.0	0.2	287	25.4	25.4	8.1	8.1	30.4	30.4	86.0	86.2	5.9	6.0	3.4	3.4	8	8						
						7.0	0.2	286	25.4	8.1	8.1	30.4	30.4	86.3	86.2	6.0	6.0	3.4	3.4	8	8							
SR1A	Misty	Rough	16:07	4.4	Surface	1.0	0.0	291	25.3	25.3	8.1	8.1	30.1	30.1	79.2	79.3	5.5	5.5	2.2	2.2	7	8	819972	812654				
						1.0	0.0	293	25.3	8.1	8.1	30.1	30.1	79.3	79.3	5.5	5.5	2.1	2.1	8	8							
					Middle	2.2	0.0	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
						2.2	0.0	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	7
					Bottom	3.4	0.0	276	25.3	25.3	8.1	8.1	30.2	30.2	79.5	79.6	5.5	5.5	3.4	3.4	7	7						
						3.4	0.1	272	25.3	8.1	8.1	30.2	30.2	79.7	79.7	5.5	5.5	3.4	3.4	8	8							
SR2	Misty	Rough	16:18	5.2	Surface	1.0	0.1	252	25.4	25.4	8.1	8.1	30.4	30.4	85.7	85.8	5.9	5.9	3.5	3.5	8	8	821466	814162				
						1.0	0.1	250	25.4	8.1	8.1	30.4	30.4	85.8	85.8	5.9	5.9	3.6	3.6	8	8							
					Middle	-	0.1	237	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
						-	0.1	239	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	7
					Bottom	4.2	0.0	237	25.4	25.4	8.1	8.1	30.3	30.3	91.1	91.5	6.3	6.3	4.7	4.7	8	8						
						4.2	0.0	240	25.4	8.1	8.1	30.3	30.3	91.9	91.9	6.4	6.4	4.7	4.7	8	8							
SR3	Cloudy	Rough	16:00	8.0	Surface	1.0	0.1	10	26.2	26.2	8.1	8.1	31.8	31.8	91.9	91.9	6.2	6.2	3.3	3.3	4	4	822141	807577				
						1.0	0.0	11	26.2	8.1	8.1	31.8	31.8	91.8	91.8	6.2	6.2	3.4	3.4	4	4							
					Middle	4.0	0.1	2	26.2	26.2	8.1	8.1	32.0	32.0	91.8	91.8	6.2	6.2	4.8	4.8	4	4						
						4.0	0.1	357	26.2	8.1	8.1	32.0	32.0	91.8	91.8	6.2	6.2	4.9	4.9	4	4							
					Bottom	7.0	0.1	4	26.1	26.1	8.1	8.1	32.0	32.0	93.5	93.6	6.3	6.3	6.3	6.3	4	4						
						7.0	0.1	359	26.1	8.1	8.1	32.1	32.0	93.7	93.7	6.3	6.3	6.4	6.4	4	4							
SR4A	Cloudy	Rough	17:41	9.0	Surface	1.0	0.0	283	26.0	26.0	8.1	8.1	32.4	32.4	88.2	88.2	6.0	6.0	5.4	5.4	8	8	817183	807795				
						1.0	0.0	279	26.0	8.1	8.1	32.4	32.4	88.2	88.2	6.0	6.0	5.4	5.4	8	8							
					Middle	4.5	0.0	293	25.9	25.9	8.1	8.1	32.4	32.4	88.9	89.0	6.0	6.0	5.7	5.7	7	7						
						4.5	0.0	298	25.9	8.1	8.1	32.4	32.4	89.0	89.0	6.0	6.0	5.7	5.7	8	8							
					Bottom	8.0	0.0	308	25.8	25.8	8.1	8.1	32.4	32.4	90.7	90.9	6.2	6.2	5.9	5.9	6	6						
						8.0	0.0	306	25.8	8.1	8.1	32.4	32.4	91.1	91.1	6.2	6.2	5.9	5.9	7	7							
SR8	Misty	Rough	15:51	4.4	Surface	1.0	-	-	25.4	25.4	8.1	8.1	30.3	30.3	86.2	86.3	6.0	6.0	2.4	2.4	9	8	820379	811639				
						1.0	-	-	25.4	8.1	8.1	30.3	30.3	86.4	86.4	6.0	6.0	2.4	2.4	8	8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	9	9
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
					Bottom	3.4	-	-	25.4	25.4	8.1	8.1	30.3	30.3	88.5	88.7	6.1	6.2	4.0	4.0	8	8						
						3.4	-	-	25.4	8.1	8.1	30.3	30.3	88.9	88.9	6.2	6.2	4.0	4.0	9	9							

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 24 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	08:18	8.4	Surface	1.0	0.3	198	25.9	25.9	8.1	8.1	32.7	32.7	90.6	90.6	6.1	6.1	6.1	10.8	8	7	815636	804270		
						1.0	0.3	199	25.9	8.1	8.1	32.7	32.7	90.5	90.6	6.1	6.1									
					Middle	4.2	0.4	220	25.9	25.9	8.1	8.1	32.9	32.9	89.6	89.6	6.1	6.1	6.1	6.1	7.8	7.9			8	8
						4.2	0.4	216	25.9	25.9	8.1	8.1	32.9	32.9	89.5	89.6	6.0	6.0	6.1	6.1	12.9	13.0			5	6
					Bottom	7.4	0.4	222	25.9	25.9	8.1	8.1	33.0	33.0	88.4	88.4	6.0	6.0	6.0	6.0	11.6	11.6			6	6
						7.4	0.4	216	25.9	25.9	8.1	8.1	33.0	33.0	88.3	88.4	6.0	6.0	6.0	6.0	11.6	11.6			6	6
C2	Cloudy	Moderate	09:58	11.4	Surface	1.0	0.6	181	26.2	26.2	8.0	8.0	31.0	31.1	95.4	95.3	6.5	6.5	6.3	8.4	7	7	825695	806950		
						1.0	0.6	184	26.2	26.2	8.0	8.0	31.1	31.1	95.1	95.3	6.5	6.5								
					Middle	5.7	0.6	165	26.2	26.2	8.0	8.0	31.5	31.5	90.1	90.2	6.1	6.1	6.1	6.1	6.6	6.5			6	6
						5.7	0.6	160	26.2	26.2	8.0	8.0	31.5	31.5	90.2	90.2	6.1	6.1	6.1	6.1	8.2	8.2			7	7
					Bottom	10.4	0.6	178	26.2	26.2	8.0	8.0	31.4	31.4	90.9	91.0	6.2	6.2	6.2	6.2	10.3	10.3			5	5
						10.4	0.6	178	26.2	26.2	8.0	8.0	31.4	31.4	91.1	91.0	6.2	6.2	6.2	6.2	10.4	10.4			6	6
C3	Sunny	Calm	09:26	9.0	Surface	1.0	0.2	77	26.0	26.0	8.1	8.1	29.3	29.3	79.0	79.0	5.5	5.5	5.5	3.2	4	5	822129	817806		
						1.0	0.2	69	26.0	26.0	8.1	8.1	29.3	29.3	79.0	79.0	5.5	5.5								
					Middle	4.5	0.3	74	26.0	26.0	8.1	8.1	29.3	29.3	79.2	79.2	5.5	5.5	5.5	5.5	2.3	2.3			4	5
						4.5	0.3	67	26.0	26.0	8.1	8.1	29.3	29.3	79.2	79.2	5.5	5.5	5.5	5.5	3.5	3.5			4	5
					Bottom	8.0	0.3	58	25.9	25.9	8.1	8.0	29.3	29.3	80.3	80.4	5.6	5.6	5.6	5.6	3.7	3.7			6	6
						8.0	0.3	62	25.9	25.9	8.0	8.0	29.3	29.3	80.5	80.4	5.6	5.6	5.6	5.6	3.6	3.6			7	7
IM1	Cloudy	Moderate	08:42	6.2	Surface	1.0	0.3	205	25.9	25.9	8.1	8.1	32.4	32.4	91.7	91.7	6.2	6.2	6.2	8.5	7	6	818334	806455		
						1.0	0.3	212	25.9	25.9	8.1	8.1	32.4	32.4	91.7	91.7	6.2	6.2								
					Middle	3.1	0.3	190	25.8	25.8	8.1	8.1	32.9	32.9	89.8	89.8	6.1	6.1	6.1	6.1	4.1	4.1			5	6
						3.1	0.2	196	25.8	25.8	8.1	8.1	32.9	32.9	89.7	89.8	6.1	6.1	6.1	6.1	7.6	7.6			5	6
					Bottom	5.2	0.3	199	25.9	25.9	8.1	8.1	33.0	33.0	89.3	89.3	6.0	6.0	6.0	6.0	13.7	13.7			6	7
						5.2	0.3	201	25.9	25.9	8.1	8.1	33.0	33.0	89.3	89.3	6.0	6.0	6.0	6.0	13.5	13.5			6	7
IM2	Cloudy	Moderate	08:48	7.2	Surface	1.0	0.4	210	25.9	25.9	8.1	8.1	32.8	32.8	90.9	90.8	6.1	6.1	6.1	9.7	11	11	819193	806249		
						1.0	0.4	210	25.9	25.9	8.1	8.1	32.8	32.8	90.7	90.8	6.1	6.1								
					Middle	3.6	0.4	181	25.9	25.9	8.1	8.1	33.1	33.1	88.9	88.9	6.0	6.0	6.0	6.0	9.9	10.0			8	8
						3.6	0.4	182	25.9	25.9	8.1	8.1	33.1	33.1	88.9	88.9	6.0	6.0	6.0	6.0	7.9	8.2			8	9
					Bottom	6.2	0.3	215	25.9	25.9	8.1	8.1	33.1	33.1	88.9	88.9	6.0	6.0	6.0	6.0	11.2	11.2			5	5
						6.2	0.3	209	25.9	25.9	8.1	8.1	33.1	33.1	88.9	88.9	6.0	6.0	6.0	6.0	11.0	11.0			6	6
IM7	Cloudy	Moderate	09:23	8.0	Surface	1.0	0.3	216	26.0	26.0	8.1	8.1	32.0	32.0	91.2	91.2	6.2	6.2	6.2	6.5	4	5	821349	806854		
						1.0	0.3	212	26.0	26.0	8.1	8.1	32.0	32.0	91.1	91.1	6.2	6.2								
					Middle	4.0	0.3	193	26.0	26.0	8.1	8.1	32.1	32.1	90.8	90.8	6.2	6.2	6.2	6.2	4.5	4.6			4	5
						4.0	0.3	196	26.0	26.0	8.1	8.1	32.1	32.1	90.8	90.8	6.2	6.2	6.2	6.2	6.7	6.9			4	6
					Bottom	7.0	0.2	201	26.0	26.0	8.1	8.1	32.1	32.1	90.8	90.8	6.2	6.2	6.2	6.2	7.9	7.9			4	4
						7.0	0.2	208	26.0	26.0	8.1	8.1	32.1	32.1	90.8	90.8	6.2	6.2	6.2	6.2	8.1	8.1			6	6

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 24 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Sunny	Calm	10:32	9.2	Surface	1.0	0.3	121	26.5	26.5	8.1	8.1	29.1	29.1	86.1	86.1	5.9	5.9	1.9	3.2	6	6	822249	809840				
						1.0	0.3	120	26.5		8.1		29.1		86.1		5.9		1.9		6							
					Middle	4.6	0.4	120	26.5	8.1	8.1	29.1	29.1	86.1	86.1	5.9	5.9	3.2	6									
						4.6	0.3	119	26.5	8.1	29.1	29.1	86.1	86.1	5.9	5.9	3.2	6										
					Bottom	8.2	0.4	128	26.5	8.1	8.1	29.2	29.2	86.5	86.7	6.0	6.0	4.6	5									
						8.2	0.4	129	26.5	8.1	29.2	29.2	86.9	86.7	6.0	6.0	4.5	6										
IM11	Sunny	Calm	10:27	8.4	Surface	1.0	0.4	99	26.4	26.4	8.1	8.1	29.1	29.1	86.0	86.0	5.9	5.9	3.2	4.6	6	6	821498	810544				
						1.0	0.4	99	26.4		8.1		29.1		86.0		5.9		3.2		6							
					Middle	4.2	0.3	117	26.4	8.1	8.1	29.1	29.1	86.3	86.4	5.9	5.9	4.8	6									
						4.2	0.3	111	26.4	8.1	29.1	29.1	86.4	86.4	5.9	5.9	4.8	6										
					Bottom	7.4	0.4	105	26.4	8.1	8.1	29.2	29.2	87.4	87.5	6.0	6.0	5.8	6									
						7.4	0.4	104	26.4	8.1	29.2	29.2	87.5	87.5	6.0	6.0	5.8	6										
IM12	Sunny	Calm	10:22	8.0	Surface	1.0	0.4	116	26.5	26.5	8.1	8.1	29.2	29.2	86.0	86.0	5.9	6.0	3.1	4.1	5	6	821163	811498				
						1.0	0.4	112	26.5		8.1		29.2		86.0		5.9		3.1		5							
					Middle	4.0	0.4	105	26.5	8.1	8.1	29.2	29.2	86.8	86.9	6.0	6.0	4.1	6									
						4.0	0.4	104	26.5	8.1	29.2	29.2	86.9	86.9	6.0	6.0	4.1	6										
					Bottom	7.0	0.5	120	26.4	8.1	8.1	29.2	29.2	87.7	87.9	6.0	6.0	5.2	6									
						7.0	0.4	118	26.5	8.1	29.2	29.2	88.1	87.9	6.0	6.0	5.2	6										
SR1A	Sunny	Calm	09:57	4.4	Surface	1.0	0.0	77	26.5	26.5	8.0	8.0	29.1	29.1	83.2	83.3	5.7	5.7	3.2	3.5	5	5	819972	812654				
						1.0	0.0	81	26.5		8.0		29.1		83.4		5.7		3.2		4							
					Middle	2.2	0.0	53	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.2	0.0	47	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.4	0.1	70	26.5	8.0	8.0	29.1	29.1	85.1	85.3	5.8	5.9	3.9	5									
						3.4	0.0	70	26.5	8.0	8.0	29.1	29.1	85.5	85.3	5.9	5.9	3.9	5									
SR2	Sunny	Calm	09:46	5.4	Surface	1.0	0.5	50	26.5	26.5	8.1	8.1	29.2	29.2	87.0	87.1	6.0	6.0	4.7	5.3	6	6	821459	814160				
						1.0	0.4	47	26.5		8.1		29.2		87.1		6.0		4.6		6							
					Middle	-	0.5	37	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	0.5	33	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
					Bottom	4.4	0.5	31	26.4	8.1	8.1	29.2	29.2	88.1	88.3	6.1	6.1	6.0	6									
						4.4	0.5	36	26.4	8.1	8.1	29.2	29.2	88.5	88.3	6.1	6.1	6.0	5									
SR3	Cloudy	Moderate	09:33	8.4	Surface	1.0	0.5	169	26.3	26.3	8.0	8.0	31.4	31.4	92.8	92.8	6.3	6.2	3.6	9.8	7	5	822123	807555				
						1.0	0.5	165	26.3		8.0		31.4		92.8		6.3		3.6		5							
					Middle	4.2	0.5	158	26.2	8.0	8.0	31.8	31.8	90.2	90.2	6.1	6.1	12.9	6									
						4.2	0.5	158	26.1	8.0	31.8	31.8	90.1	90.1	6.1	6.1	13.9	5										
					Bottom	7.4	0.5	162	26.1	8.0	8.0	31.9	31.9	89.8	89.9	6.1	6.1	12.2	4									
						7.4	0.5	157	26.1	8.0	31.9	31.9	89.9	89.9	6.1	6.1	12.9	5										
SR4A	Cloudy	Moderate	07:52	8.6	Surface	1.0	0.0	83	26.0	26.0	8.0	8.0	32.6	32.7	88.3	88.3	6.0	6.0	5.5	6.2	8	9	817176	807814				
						1.0	0.0	76	25.9		8.0		32.7		88.3		6.0		5.5		10							
					Middle	4.3	0.0	103	25.9	8.0	8.0	32.8	32.8	88.1	88.1	6.0	6.0	5.1	10									
						4.3	0.0	98	25.9	8.0	32.8	32.8	88.1	88.1	6.0	6.0	5.1	9										
					Bottom	7.6	0.0	84	26.0	8.1	8.1	32.9	32.9	88.3	88.3	6.0	6.0	8.1	9									
						7.6	0.0	87	26.0	8.1	32.9	32.9	88.3	88.3	6.0	6.0	7.9	8										
SR8	Sunny	Calm	10:14	5.2	Surface	1.0	-	-	26.5	26.5	8.1	8.1	29.2	29.2	86.6	86.7	5.9	6.0	4.4	5.0	5	5	820370	811643				
						1.0	-	-	26.5		8.1		29.2		86.8		6.0		4.4		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			
					Bottom	4.2	-	-	26.5	8.1	8.1	29.2	29.2	88.1	88.5	6.0	6.1	5.6	5									
						4.2	-	-	26.5	8.1	29.2	29.2	88.8	88.5	6.1	6.1	5.6	5										

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Moderate	16:32	8.2	Surface	1.0	0.3	24	25.9	25.9	8.1	8.1	31.8	31.8	92.3	92.3	6.3	6.2	7.2	9.3	5	5	815629	804247		
						1.0	0.3	31	25.9		8.1		31.8		92.2		6.3		7.4		5					
					Middle	4.1	0.3	14	25.9	25.9	8.0	8.0	31.9	31.9	90.1	90.1	6.1	6.1	9.3	6.1	9.7				6.1	5
						4.1	0.3	6	25.9		8.0		31.9		90.0		6.1		11.1		4					
					Bottom	7.2	0.2	26	25.9	26.0	8.0	8.0	31.8	31.8	90.2	90.3	6.1	6.1	11.1	6.1	11.4				6.1	4
						7.2	0.2	26	26.0		8.0		31.8		90.3		6.1		11.4		4					
C2	Cloudy	Moderate	14:55	11.7	Surface	1.0	0.0	183	26.3	26.3	8.1	8.1	30.7	30.7	95.4	95.4	6.5	6.4	2.9	6.7	2	3	825662	806928		
						1.0	0.1	177	26.3		8.1		30.7		95.4		6.5		3.3		2					
					Middle	5.9	0.1	205	26.1	26.1	8.0	8.0	31.5	31.5	90.6	90.6	6.2	6.2	7.6	6.2	7.4				6.2	4
						5.9	0.0	208	26.1		8.0		31.5		90.6		6.2		7.4		3					
					Bottom	10.7	0.1	213	26.1	26.1	8.0	8.0	31.5	31.5	90.7	90.7	6.2	6.2	9.6	6.2	9.6				6.2	3
						10.7	0.1	213	26.1		8.0		31.5		90.7		6.2		9.5		3					
C3	Sunny	Calm	16:05	9.0	Surface	1.0	0.3	253	27.0	27.0	8.0	8.0	29.3	29.3	79.9	80.0	5.4	5.5	2.9	3.8	5	5	822095	817804		
						1.0	0.3	246	27.0		8.0		29.3		80.0		5.4		3.0		4					
					Middle	4.5	0.4	280	26.9	26.9	8.0	8.0	29.3	29.3	80.8	81.0	5.5	5.5	3.8	5.6	3.8				5.6	5
						4.5	0.4	273	26.9		8.0		29.3		81.1		5.5		3.8		6					
					Bottom	8.0	0.4	279	26.9	26.9	8.0	8.0	29.3	29.3	82.3	82.4	5.6	5.6	4.6	5.6	4.6				5.6	4
						8.0	0.4	277	26.9		8.0		29.3		82.5		5.6		4.5		5					
IM1	Cloudy	Moderate	16:07	6.4	Surface	1.0	0.1	24	26.0	26.0	8.1	8.1	32.3	32.3	93.5	93.5	6.3	6.2	5.2	9.8	6	5	818353	806479		
						1.0	0.2	21	25.9		8.1		32.3		93.4		6.3		5.9		5					
					Middle	3.2	0.1	20	25.9	25.9	8.1	8.1	32.7	32.7	88.9	88.9	6.0	6.0	11.1	6.0	11.2				6.0	5
						3.2	0.1	19	25.9		8.1		32.7		88.8		6.0		11.2		5					
					Bottom	5.4	0.1	358	25.9	26.0	8.1	8.1	32.8	32.8	88.9	89.0	6.0	6.0	12.8	6.0	12.5				6.0	4
						5.4	0.1	353	26.0		8.1		32.8		89.0		6.0		12.5		4					
IM2	Cloudy	Moderate	16:01	7.0	Surface	1.0	0.2	352	26.4	26.4	8.1	8.1	32.4	32.4	94.3	94.3	6.3	6.3	3.3	8.3	4	5	819173	806252		
						1.0	0.2	352	26.3		8.1		32.4		94.3		6.3		3.3		3					
					Middle	3.5	0.1	16	26.0	26.0	8.1	8.1	32.5	32.5	93.1	93.1	6.3	6.3	9.3	6.3	9.3				6.3	4
						3.5	0.1	11	26.0		8.1		32.5		93.1		6.3		9.3		6					
					Bottom	6.0	0.1	13	26.2	26.2	8.0	8.0	32.6	32.6	88.5	88.7	6.0	6.0	12.2	6.0	12.3				6.0	5
						6.0	0.1	12	26.2		8.0		32.6		88.8		6.0		12.3		6					
IM7	Cloudy	Moderate	15:34	8.2	Surface	1.0	0.1	300	26.3	26.3	8.1	8.1	31.5	31.5	92.7	92.7	6.3	6.2	3.7	6.9	4	4	821372	806834		
						1.0	0.2	301	26.3		8.1		31.5		92.7		6.3		3.7		4					
					Middle	4.1	0.2	288	26.1	26.1	8.1	8.1	32.0	32.0	90.8	90.9	6.1	6.1	7.7	6.1	8.0				6.1	3
						4.1	0.2	295	26.1		8.1		32.0		90.9		6.1		8.0		4					
					Bottom	7.2	0.1	316	26.1	26.1	8.0	8.0	32.0	32.0	91.3	91.3	6.2	6.2	9.1	6.2	9.1				6.2	5
						7.2	0.1	313	26.1		8.0		32.0		91.3		6.2		9.3		6					

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Sunny	Calm	14:59	8.6	Surface	1.0	0.2	271	26.5	26.5	8.1	8.1	29.1	29.1	86.5	86.5	5.9	5.9	4.4	4.4	4	5	822261	809818				
						1.0	0.2	272	26.5	8.1	8.1	29.1	29.1	86.5	86.5	5.9	5.9	4.4	4.4	5	5							
					Middle	4.3	0.1	265	26.5	26.5	8.1	8.1	29.1	29.1	86.4	86.4	5.9	5.9	5.2	5.2	7	6			5	5		
						4.3	0.2	265	26.5	26.5	8.1	8.1	29.1	29.1	86.4	86.4	5.9	5.9	5.2	5.2	6	5						
					Bottom	7.6	0.2	284	26.5	26.5	8.1	8.1	29.1	29.1	86.5	86.5	5.9	5.9	5.7	5.7	5	4			5	4		
						7.6	0.2	289	26.5	26.5	8.1	8.1	29.1	29.1	86.5	86.5	5.9	5.9	5.7	5.7	4	4						
IM11	Sunny	Calm	15:05	7.4	Surface	1.0	0.2	253	26.5	26.5	8.1	8.1	29.1	29.1	86.0	86.0	5.9	5.9	2.4	2.4	4	4	821479	810555				
						1.0	0.3	259	26.5	26.5	8.1	8.1	29.1	29.1	86.0	86.0	5.9	5.9	2.4	2.4	4	4						
					Middle	3.7	0.2	285	26.5	26.5	8.1	8.1	29.2	29.2	86.0	86.0	5.9	5.9	3.2	3.2	6	4			5	5		
						3.7	0.2	285	26.5	26.5	8.1	8.1	29.2	29.2	86.0	86.0	5.9	5.9	3.2	3.2	4	5						
					Bottom	6.4	0.3	263	26.5	26.5	8.1	8.1	29.2	29.2	86.2	86.3	5.9	5.9	5.0	5.0	5	5			5	5		
						6.4	0.3	266	26.5	26.5	8.1	8.1	29.2	29.2	86.3	86.3	5.9	5.9	5.0	5.0	5	5						
IM12	Sunny	Calm	15:14	8.2	Surface	1.0	0.3	281	26.5	26.5	8.1	8.1	29.2	29.2	83.9	84.0	5.8	5.8	1.5	1.5	5	5	821151	811527				
						1.0	0.4	279	26.5	26.5	8.1	8.1	29.2	29.2	84.0	84.0	5.8	5.8	1.5	1.5	5	5						
					Middle	4.1	0.3	273	26.5	26.5	8.1	8.1	29.2	29.2	84.4	84.6	5.8	5.8	2.0	2.0	5	4			5	5		
						4.1	0.3	275	26.5	26.5	8.1	8.1	29.2	29.2	84.7	84.6	5.8	5.8	2.0	2.0	4	4						
					Bottom	7.2	0.3	271	26.5	26.5	8.1	8.1	29.2	29.2	85.7	85.9	5.9	5.9	3.6	3.6	4	4			5	5		
						7.2	0.3	263	26.5	26.5	8.1	8.1	29.2	29.2	86.0	86.0	5.9	5.9	3.5	3.5	5	5						
SR1A	Sunny	Calm	15:32	4.4	Surface	1.0	0.0	203	26.4	26.4	8.1	8.1	28.9	28.9	78.9	79.0	5.4	5.4	3.0	3.0	4	5	819977	812655				
						1.0	0.0	200	26.4	26.4	8.1	8.1	28.9	28.9	79.0	79.0	5.4	5.4	3.0	3.0	5	5						
					Middle	2.2	-	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						2.2	0.0	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.4	0.0	217	26.4	26.4	8.0	8.0	28.9	28.9	79.2	79.3	5.5	5.5	3.6	3.6	4	4			5	5		
						3.4	0.0	213	26.4	26.4	8.0	8.0	28.9	28.9	79.4	79.3	5.5	5.5	3.6	3.6	5	5						
SR2	Sunny	Calm	15:43	5.6	Surface	1.0	0.1	211	26.5	26.5	8.1	8.1	29.1	29.1	85.4	85.5	5.9	5.9	3.1	3.1	5	6	821447	814182				
						1.0	0.2	208	26.5	26.5	8.1	8.1	29.1	29.1	85.5	85.5	5.9	5.9	3.1	3.1	6	6						
					Middle	-	0.1	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						-	0.1	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	4.6	0.1	225	26.5	26.5	8.1	8.1	29.1	29.1	90.8	91.2	6.2	6.3	4.8	4.8	5	5			5	5		
						4.6	0.1	221	26.5	26.5	8.1	8.1	29.1	29.1	91.6	91.2	6.3	6.3	4.8	4.8	5	5						
SR3	Cloudy	Moderate	15:27	8.4	Surface	1.0	0.1	319	26.2	26.2	8.1	8.1	31.4	31.4	92.2	92.1	6.2	6.2	4.3	4.3	5	5	822125	807574				
						1.0	0.0	324	26.2	26.2	8.1	8.1	31.4	31.4	91.9	91.9	6.2	6.2	4.5	4.5	5	5						
					Middle	4.2	0.1	299	26.1	26.1	8.1	8.1	31.9	31.9	89.5	89.5	6.1	6.1	8.9	8.9	6	6			6	6		
						4.2	0.1	292	26.1	26.1	8.1	8.1	31.9	31.9	89.5	89.5	6.1	6.1	8.6	8.6	5	5						
					Bottom	7.4	0.0	324	26.1	26.1	8.1	8.1	31.9	31.9	89.3	89.3	6.0	6.0	10.9	10.9	6	6			6	6		
						7.4	0.0	329	26.1	26.1	8.1	8.1	31.9	31.9	89.3	89.3	6.0	6.0	10.6	10.6	7	7						
SR4A	Cloudy	Moderate	16:55	9.0	Surface	1.0	0.0	237	26.3	26.3	8.1	8.1	32.2	32.2	90.6	90.6	6.1	6.1	6.5	6.5	8	10	817192	807829				
						1.0	0.1	237	26.3	26.3	8.1	8.1	32.2	32.2	90.6	90.6	6.1	6.1	6.5	6.5	10	10						
					Middle	4.5	0.0	253	26.2	26.2	8.1	8.1	32.3	32.3	90.4	90.4	6.1	6.1	8.9	8.9	8	8			8	8		
						4.5	-	251	26.2	26.2	8.1	8.1	32.3	32.3	90.4	90.4	6.1	6.1	9.0	9.0	9	9						
					Bottom	8.0	0.0	223	26.2	26.2	8.1	8.1	32.3	32.3	90.4	90.4	6.1	6.1	11.4	11.4	7	7			8	8		
						8.0	0.0	217	26.2	26.2	8.1	8.1	32.3	32.3	90.4	90.4	6.1	6.1	10.8	10.8	8	8						
SR8	Sunny	Calm	15:16	4.6	Surface	1.0	-	-	26.5	26.5	8.1	8.1	29.1	29.1	85.9	86.0	5.9	5.9	3.1	3.1	4	5	820402	811646				
						1.0	-	-	26.5	26.5	8.1	8.1	29.1	29.1	86.1	86.1	5.9	5.9	3.1	3.1	5	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.6	-	-	26.5	26.5	8.1	8.1	29.1	29.1	88.2	88.4	6.1	6.1	4.1	4.1	5	5			5	5		
						3.6	-	-	26.5	26.5	8.1	8.1	29.1	29.1	88.6	88.6	6.1	6.1	4.1	4.1	4	4						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 26 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
C1	Cloudy	Moderate	09:40	8.0	Surface	1.0	0.3	212	26.5	26.5	8.0	8.0	31.8	31.8	92.4	92.3	6.2	6.2	3.7	5.4	8	7	815613	804241										
						1.0	0.3	214	26.5	8.0	8.0	31.8	31.8	92.1	92.3	6.2	4.0		7															
					Middle	4.0	0.2	197	26.4	26.4	8.0	8.0	32.2	32.2	90.6	90.6	6.1		6.1		6.7				7									
						4.0	0.3	190	26.4	26.4	8.0	8.0	32.2	32.2	90.5	90.6	6.1		6.1		6.7				8									
					Bottom	7.0	0.3	188	26.4	26.4	8.0	8.0	32.2	32.2	90.2	90.1	6.1		6.1		5.9				7									
						7.0	0.2	186	26.4	26.4	8.0	8.0	32.2	32.2	90.0	90.1	6.1		6.1		5.4				7									
					C2	Cloudy	Moderate	11:28	11.7	Surface	1.0	0.6	166	26.8	26.8	8.1	8.1		28.6		28.6				98.3	98.3	6.7	6.4	1.9	6.4	6	7	825669	806924
											1.0	0.6	168	26.8	26.8	8.1	8.1		28.6		28.6				98.3	98.3	6.7		1.9		6			
Middle	5.9	0.5	177	26.5						26.5	8.0	8.0	30.9	30.9	88.6	88.6	6.0	6.0	8.6	6														
	5.9	0.5	170	26.5						26.5	8.0	8.0	30.9	30.9	88.6	88.6	6.0	6.0	8.7	6														
Bottom	10.7	0.6	172	26.5						26.5	8.0	8.0	30.7	30.7	89.4	89.5	6.1	6.1	9.0	8														
	10.7	0.6	177	26.5						26.5	8.0	8.0	30.6	30.7	89.5	89.5	6.1	6.1	8.1	8														
C3	Sunny	Moderate	11:29	11.6						Surface	1.0	0.3	75	25.8	25.8	8.0	8.0	30.2	30.2	79.8	79.8	5.5	5.5	2.1	3.2	6	6		822090		817810			
											1.0	0.3	78	25.8	25.8	8.0	8.0	30.2	30.2	79.7	79.8	5.5		2.1		5								
					Middle	5.8	0.3	85	25.8	25.8	8.0	8.0	30.4	30.4	79.4	79.5	5.5	5.5	3.3	6														
						5.8	0.3	79	25.8	25.8	8.0	8.0	30.4	30.4	79.5	79.5	5.5	5.5	3.3	6														
					Bottom	10.6	0.4	73	25.8	25.8	8.0	8.0	30.4	30.4	80.8	80.9	5.5	5.6	4.0	7														
						10.6	0.3	80	25.8	25.8	8.0	8.0	30.4	30.4	80.9	80.9	5.6	5.6	4.0	7														
					IM1	Cloudy	Moderate	10:18	6.6	Surface	1.0	0.2	192	26.5	26.5	8.0	8.0	31.5	31.5	93.7	93.6	6.3		6.3		2.7		5.4		7		5	818365	806464
											1.0	0.2	187	26.5	26.5	8.0	8.0	31.5	31.5	93.5	93.6	6.3				2.9				6				
Middle	3.3	0.2	182	26.4						26.4	8.0	8.0	31.7	31.7	91.9	91.8	6.2	6.2	5.1	4														
	3.3	0.2	181	26.4						26.4	8.0	8.0	31.7	31.7	91.7	91.8	6.2	6.2	5.4	5														
Bottom	5.6	0.2	164	26.4						26.4	8.0	8.0	32.0	32.0	91.0	91.0	6.1	6.1	7.9	4														
	5.6	0.2	156	26.4						26.4	8.0	8.0	32.0	32.0	91.0	91.0	6.1	6.1	8.1	4														
IM2	Cloudy	Moderate	10:22	6.7						Surface	1.0	0.2	178	26.6	26.6	8.0	8.0	31.5	31.5	95.6	95.6	6.4	6.4		2.3	5.2	5		6	819195	806249			
											1.0	0.3	176	26.6	26.6	8.0	8.0	31.5	31.5	95.5	95.6	6.4			6.4		2.6							
					Middle	3.4	0.3	178	26.5	26.5	8.0	8.0	31.6	31.6	93.8	93.8	6.3	6.3	5.5	5														
						3.4	0.3	175	26.5	26.5	8.0	8.0	31.6	31.6	93.7	93.8	6.3	6.3	6.0	6														
					Bottom	5.7	0.3	198	26.5	26.5	8.0	8.0	31.7	31.7	93.4	93.3	6.3	6.3	7.4	6														
						5.7	0.3	191	26.5	26.5	8.0	8.0	31.7	31.7	93.2	93.3	6.3	6.3	7.2	6														
					IM7	Cloudy	Moderate	10:52	7.6	Surface	1.0	0.2	181	26.6	26.6	8.0	8.0	30.3	30.3	93.8	93.7	6.4		6.3	3.7		7.1	6				5	821338	806838
											1.0	0.2	186	26.6	26.6	8.0	8.0	30.4	30.3	93.6	93.7	6.3			6.3			3.9						
Middle	3.8	0.2	201	26.4						26.4	8.0	8.0	30.9	30.9	92.5	92.5	6.3	6.3	7.9	4														
	3.8	0.2	199	26.4						26.4	8.0	8.0	30.9	30.9	92.4	92.5	6.3	6.3	8.2	5														
Bottom	6.6	0.2	197	26.4						26.4	8.0	8.0	31.0	31.0	92.4	92.5	6.3	6.3	9.4	4														
	6.6	0.2	192	26.4						26.4	8.0	8.0	31.0	31.0	92.6	92.5	6.3	6.3	9.4	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 26 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Sunny	Moderate	12:36	9.0	Surface	1.0	0.4	114	25.8	25.8	8.1	8.1	28.7	28.7	89.1	89.2	6.2	6.2	2.1	2.1	7	6	822237	809826		
						1.0	0.4	117	25.8	25.8	8.1	8.1	28.7	28.7	89.2	89.2	6.2	6.2	2.1	2.1	6					
					Middle	4.5	0.4	124	25.8	25.8	8.1	8.1	28.7	28.7	89.6	89.7	6.2	6.2	3.6	3.6	3.3				3.3	7
						4.5	0.4	117	25.8	25.8	8.1	8.1	28.7	28.7	89.8	89.7	6.2	6.2	3.6	3.6	6				6	6
					Bottom	8.0	0.4	132	25.8	25.8	8.1	8.1	28.7	28.7	90.4	90.6	6.3	6.3	4.3	4.3	6.3				6.3	5
						8.0	0.4	133	25.8	25.8	8.1	8.1	28.7	28.7	90.7	90.6	6.3	6.3	4.4	4.4	6.3				6.3	5
IM11	Sunny	Moderate	12:30	7.8	Surface	1.0	0.5	116	25.9	25.9	8.1	8.1	28.7	28.7	88.8	88.8	6.1	6.1	1.2	1.2	6	6	821497	810521		
						1.0	0.5	117	25.9	25.9	8.1	8.1	28.7	28.7	88.8	88.8	6.1	6.1	1.2	1.2	5					
					Middle	3.9	0.5	113	25.9	25.9	8.1	8.1	28.7	28.7	88.9	89.0	6.2	6.2	2.3	2.3	2.0				2.0	6
						3.9	0.5	108	25.9	25.9	8.1	8.1	28.7	28.7	89.0	89.0	6.2	6.2	2.3	2.3	6				6	6
					Bottom	6.8	0.4	122	25.9	25.9	8.1	8.1	28.7	28.7	89.9	91.4	6.2	6.2	2.5	2.5	6.3				6.3	6
						6.8	0.4	123	25.9	25.9	8.1	8.1	28.7	28.7	92.9	91.4	6.4	6.4	2.5	2.5	6.3				6.3	6
IM12	Sunny	Moderate	12:25	7.6	Surface	1.0	0.5	118	25.8	25.8	8.1	8.1	28.8	28.8	88.4	88.5	6.1	6.1	3.3	3.3	5	5	821143	811526		
						1.0	0.6	120	25.8	25.8	8.1	8.1	28.8	28.8	88.5	88.5	6.1	6.1	3.4	3.4	6					
					Middle	3.8	0.5	113	25.8	25.8	8.1	8.1	28.8	28.8	88.7	88.8	6.1	6.1	3.5	3.5	3.5				3.5	4
						3.8	0.5	119	25.7	25.8	8.1	8.1	28.9	28.8	88.9	88.8	6.2	6.2	3.6	3.6	6				6	6
					Bottom	6.6	0.5	124	25.4	25.4	8.1	8.1	29.1	29.1	89.4	89.4	6.2	6.2	3.7	3.7	6.4				6.4	5
						6.6	0.5	125	25.3	25.4	8.1	8.1	29.1	29.1	93.2	91.3	6.5	6.5	3.9	3.9	6.4				6.4	5
SR1A	Sunny	Moderate	12:00	5.0	Surface	1.0	0.0	59	25.8	25.8	8.1	8.1	29.1	29.1	86.8	86.9	6.0	6.0	2.1	2.1	5	6	819975	812653		
						1.0	0.0	59	25.8	25.8	8.1	8.1	29.1	29.1	87.0	86.9	6.0	6.0	2.1	2.1	6					
					Middle	2.5	0.0	59	-	-	-	-	-	-	-	-	-	-	-	-	6.0				6.0	-
						2.5	0.0	58	-	-	-	-	-	-	-	-	-	-	-	-	6.0				6.0	-
					Bottom	4.0	0.0	51	25.9	25.9	8.1	8.1	29.1	29.1	87.6	87.7	6.0	6.0	3.4	3.4	6.1				6.1	7
						4.0	0.1	44	25.9	25.9	8.1	8.1	29.1	29.1	87.7	87.7	6.1	6.1	3.4	3.4	6.1				6.1	6
SR2	Sunny	Moderate	11:49	3.8	Surface	1.0	0.4	28	25.8	25.8	8.1	8.1	29.2	29.2	88.9	89.0	6.1	6.1	2.3	2.3	8	7	821443	814154		
						1.0	0.5	31	25.8	25.8	8.1	8.1	29.2	29.2	89.1	89.0	6.2	6.2	2.3	2.3	7					
					Middle	-	0.4	25	-	-	-	-	-	-	-	-	-	-	-	-	6.2				6.2	-
						-	0.4	22	-	-	-	-	-	-	-	-	-	-	-	-	6.2				6.2	-
					Bottom	2.8	0.5	57	25.7	25.7	8.1	8.1	29.2	29.1	93.7	93.9	6.5	6.5	3.7	3.7	6.5				6.5	6
						2.8	0.5	53	25.7	25.7	8.1	8.1	29.1	29.1	94.0	93.9	6.5	6.5	3.7	3.7	6.5				6.5	6
SR3	Cloudy	Moderate	11:00	8.5	Surface	1.0	0.5	147	26.6	26.6	8.0	8.0	29.8	29.7	95.4	95.4	6.5	6.5	2.7	2.7	5	5	822152	807556		
						1.0	0.5	146	26.6	26.6	8.0	8.0	29.7	29.7	95.4	95.4	6.5	6.5	2.6	2.6	5					
					Middle	4.3	0.5	169	26.5	26.5	8.0	8.0	30.8	30.8	89.5	89.5	6.1	6.1	10.4	10.4	7.4				7.4	5
						4.3	0.5	163	26.5	26.5	8.0	8.0	30.8	30.8	89.5	89.5	6.1	6.1	10.3	10.3	7.4				7.4	5
					Bottom	7.5	0.5	136	26.5	26.5	8.0	8.0	30.9	30.9	89.3	89.3	6.0	6.0	9.2	9.2	6.0				6.0	4
						7.5	0.5	130	26.5	26.5	8.0	8.0	30.9	30.9	89.3	89.3	6.0	6.0	9.2	9.2	6.0				6.0	4
SR4A	Cloudy	Moderate	09:15	8.9	Surface	1.0	0.1	115	26.5	26.5	8.0	8.0	31.6	31.6	91.3	91.2	6.1	6.1	3.1	3.1	6	5	817204	807809		
						1.0	0.1	111	26.5	26.5	8.0	8.0	31.6	31.6	91.1	91.2	6.1	6.1	3.2	3.2	6					
					Middle	4.5	0.0	104	26.4	26.4	8.0	8.0	31.8	31.8	90.2	90.2	6.1	6.1	3.5	3.5	3.7				3.7	5
						4.5	0.0	107	26.4	26.4	8.0	8.0	31.8	31.8	90.2	90.2	6.1	6.1	3.6	3.6	5				5	5
					Bottom	7.9	0.0	90	26.4	26.4	8.0	8.0	32.1	32.1	89.1	89.2	6.0	6.0	4.5	4.5	6.0				6.0	4
						7.9	0.0	84	26.4	26.4	8.0	8.0	32.1	32.1	89.2	89.2	6.0	6.0	4.5	4.5	6.0				6.0	5
SR8	Sunny	Moderate	12:17	5.2	Surface	1.0	-	-	26.0	26.0	8.1	8.1	29.1	29.1	91.2	91.4	6.3	6.3	2.3	2.3	6	5	820377	811638		
						1.0	-	-	26.0	26.0	8.1	8.1	29.1	29.1	91.5	91.4	6.3	6.3	2.3	2.3	5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3				6.3	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3				6.3	-
					Bottom	4.2	-	-	26.0	26.0	8.1	8.1	29.0	29.0	91.5	91.4	6.3	6.3	3.1	3.1	6.3				6.3	5
						4.2	-	-	26.0	26.0	8.1	8.1	29.0	29.0	91.2	91.4	6.3	6.3	3.1	3.1	6.3				6.3	5

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 26 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	17:09	8.1	Surface	1.0	0.3	40	26.6	26.6	8.1	8.1	31.2	31.2	93.2	93.2	6.3	6.3	10.9	5	6	815635	804227	
						1.0	0.3	37	26.5	8.1	8.1	31.2	31.2	93.2	93.2	6.3								
					Middle	4.1	0.3	50	26.5	26.5	8.1	8.1	31.2	31.2	92.9	92.9	6.3			5				
						4.1	0.3	51	26.5	8.1	8.1	31.2	31.2	92.9	92.9	6.3	6							
					Bottom	7.1	0.3	55	26.5	26.5	8.0	8.0	31.2	31.2	93.0	93.1	6.3			6.3				7
						7.1	0.3	50	26.5	8.0	8.0	31.2	31.2	93.1	93.1	6.3	6.3			6				
C2	Cloudy	Moderate	15:56	12.0	Surface	1.0	0.0	177	26.7	26.7	8.0	8.0	28.7	28.7	97.4	97.4	6.6	6.3	5.1	9	8	825686	806964	
						1.0	0.0	171	26.7	8.0	8.0	28.8	28.8	97.3	97.4	6.6								
					Middle	6.0	0.1	163	26.5	26.5	8.0	8.0	30.8	30.8	88.6	88.6	6.0			8				
						6.0	0.1	160	26.5	8.0	8.0	30.9	30.9	88.6	88.6	6.0	7							
					Bottom	11.0	0.1	166	26.5	26.5	8.0	8.0	30.9	30.9	88.9	89.0	6.0			6.0				7
						11.0	0.1	168	26.5	8.0	8.0	30.9	30.9	89.0	89.0	6.0	6.0			7				
C3	Sunny	Moderate	17:04	8.6	Surface	1.0	0.4	275	25.8	25.8	8.1	8.1	29.3	29.3	83.0	83.0	5.7	5.7	2.5	4	5	822124	817782	
						1.0	0.4	281	25.8	8.1	8.1	29.3	29.3	82.9	83.0	5.7								
					Middle	4.3	0.5	276	25.8	25.8	8.1	8.1	29.5	29.5	82.7	82.7	5.7			5				
						4.3	0.5	272	25.8	8.1	8.1	29.5	29.5	82.7	82.7	5.7	6							
					Bottom	7.6	0.4	281	25.8	25.8	8.1	8.1	29.5	29.5	82.8	82.9	5.7			5.7				6
						7.6	0.3	287	25.8	8.1	8.1	29.5	29.5	82.9	82.9	5.7	5.7			5				
IM1	Cloudy	Moderate	16:45	6.3	Surface	1.0	0.1	15	26.6	26.6	8.1	8.1	31.4	31.4	92.2	92.3	6.2	6.2	6.1	7	7	818367	806449	
						1.0	0.2	18	26.6	8.1	8.1	31.4	31.4	92.3	92.3	6.2								
					Middle	3.2	0.1	21	26.4	26.4	8.1	8.1	31.6	31.6	90.2	90.2	6.1			6.1				5.0
						3.2	0.1	24	26.4	8.1	8.1	31.6	31.6	90.2	90.2	6.1	6.1			7				
					Bottom	5.3	0.1	21	26.4	26.4	8.1	8.1	31.6	31.6	90.1	90.2	6.1			6.1				10.4
						5.3	0.0	14	26.4	8.1	8.1	31.6	31.6	90.2	90.2	6.1	6.1			9.9				
IM2	Cloudy	Moderate	16:40	6.6	Surface	1.0	0.1	303	26.7	26.7	8.1	8.1	31.3	31.3	93.3	93.3	6.3	6.2	8.9	7	8	819193	806219	
						1.0	0.0	302	26.7	8.1	8.1	31.3	31.3	93.3	93.3	6.3								
					Middle	3.3	0.1	295	26.4	26.4	8.0	8.0	31.7	31.7	90.8	90.8	6.1			6.1				10.3
						3.3	0.1	290	26.4	8.0	8.0	31.7	31.7	90.8	90.8	6.1	6.1			8				
					Bottom	5.6	0.1	310	26.5	26.5	8.0	8.0	31.8	31.7	91.5	91.6	6.2			6.2				11.6
						5.6	0.1	304	26.5	8.0	8.0	31.7	31.7	91.6	91.6	6.2	6.2			8				
IM7	Cloudy	Moderate	16:16	7.0	Surface	1.0	0.1	257	26.6	26.6	8.0	8.0	30.3	30.3	93.4	93.4	6.3	6.3	7.9	6	7	821369	806818	
						1.0	0.1	251	26.6	8.0	8.0	30.3	30.3	93.3	93.3	6.3								
					Middle	3.5	0.2	275	26.5	26.5	8.0	8.0	30.6	30.6	92.3	92.3	6.3			6.3				7
						3.5	0.2	275	26.5	8.0	8.0	30.6	30.6	92.3	92.3	6.3	6.3			6				
					Bottom	6.0	0.2	257	26.5	26.5	8.0	8.0	30.7	30.7	92.6	92.6	6.3			6.3				8
						6.0	0.3	262	26.5	8.0	8.0	30.7	30.7	92.6	92.6	6.3	6.3			7				

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 26 October 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Sunny	Moderate	15:58	8.2	Surface	1.0	0.2	244	25.9	25.9	8.1	8.1	28.6	28.6	87.2	87.2	6.0	6.0	2.9	6.0	6	822224	809817				
						1.0	0.2	248	25.9	25.9	8.1	8.1	28.6	28.6	87.2	87.2	6.0	6.0	3.0	6.0	4						
					Middle	4.1	0.2	231	25.9	25.9	8.1	8.1	28.6	28.6	87.3	87.4	6.0	6.0	3.1	6.0	3.5			6.0	5		
						4.1	0.2	230	25.9	25.9	8.1	8.1	28.6	28.6	87.4	87.4	6.0	6.0	3.1	6.0	6						
					Bottom	7.2	0.2	236	25.9	25.9	8.1	8.1	28.6	28.6	87.5	87.6	6.1	6.1	4.6	6.1	6.1			6.1	6		
						7.2	0.1	243	25.9	25.9	8.1	8.1	28.6	28.6	87.6	87.6	6.1	6.1	4.5	6.1	6.1			6.1	6		
IM11	Sunny	Moderate	16:04	7.2	Surface	1.0	0.3	267	25.7	25.7	8.1	8.1	28.9	28.9	87.4	87.3	6.1	6.1	1.3	6.1	5	821480	810559				
						1.0	0.3	274	25.7	25.7	8.1	8.1	28.9	28.9	87.1	87.3	6.0	6.0	1.3	6.0	6						
					Middle	3.6	0.3	269	25.7	25.7	8.1	8.1	29.0	29.0	87.6	87.7	6.1	6.1	2.1	6.1	2.3			6.1	5		
						3.6	0.2	272	25.7	25.7	8.1	8.1	29.0	29.0	87.7	87.7	6.1	6.1	2.1	6.1	5						
					Bottom	6.2	0.2	250	25.7	25.7	8.2	8.2	29.0	29.0	88.0	88.1	6.1	6.1	3.4	6.1	6.1			6.1	5		
						6.2	0.2	245	25.7	25.7	8.2	8.2	29.0	29.0	88.1	88.1	6.1	6.1	3.4	6.1	6.1			6.1	5		
IM12	Sunny	Moderate	16:13	8.0	Surface	1.0	0.2	275	26.1	26.1	8.1	8.1	28.6	28.6	90.2	90.3	6.2	6.2	2.9	6.2	5	821147	811540				
						1.0	0.3	269	26.1	26.1	8.1	8.1	28.6	28.6	90.4	90.3	6.2	6.2	2.9	6.2	6						
					Middle	4.0	0.3	263	26.1	26.1	8.1	8.1	28.7	28.7	90.8	91.0	6.3	6.3	3.4	6.3	3.4			6.3	5		
						4.0	0.2	268	26.0	26.0	8.1	8.1	28.7	28.7	91.1	91.0	6.3	6.3	3.5	6.3	6						
					Bottom	7.0	0.3	278	26.1	26.1	8.1	8.1	28.7	28.6	91.9	92.2	6.3	6.3	4.0	6.3	6.4			6.3	6		
						7.0	0.3	282	26.1	26.1	8.1	8.1	28.6	28.6	92.4	92.2	6.4	6.4	4.0	6.4	6.4			6.4	7		
SR1A	Sunny	Moderate	16:31	4.8	Surface	1.0	0.0	192	25.9	25.9	8.1	8.1	28.7	28.7	88.8	88.9	6.2	6.2	1.5	6.2	5	819977	812659				
						1.0	0.0	186	25.9	25.9	8.1	8.1	28.7	28.7	88.9	88.9	6.2	6.2	1.4	6.2	6						
					Middle	2.4	0.0	175	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2.2	-
						2.4	0.1	170	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.8	0.1	181	25.9	25.9	8.1	8.1	28.7	28.7	89.3	89.4	6.2	6.2	3.0	6.2	6.2			6.2	6		
						3.8	0.1	177	25.9	25.9	8.1	8.1	28.7	28.7	89.4	89.4	6.2	6.2	3.0	6.2	6.2			6.2	7		
SR2	Sunny	Moderate	16:42	5.4	Surface	1.0	0.2	241	25.9	25.9	8.1	8.1	28.6	28.7	90.6	90.6	6.3	6.3	2.3	6.3	5	821475	814182				
						1.0	0.2	244	25.9	25.9	8.1	8.1	28.7	28.7	90.5	90.6	6.3	6.3	2.3	6.3	6						
					Middle	-	0.2	234	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2.7	-
						-	0.2	237	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.4	0.2	236	25.8	25.8	8.1	8.1	28.8	28.8	94.4	94.6	6.5	6.5	3.1	6.5	6.6			6.5	6.6	4	
						4.4	0.2	239	25.8	25.8	8.1	8.1	28.8	28.8	94.7	94.6	6.6	6.6	3.1	6.6	6.6			6.6	5		
SR3	Cloudy	Moderate	16:10	8.3	Surface	1.0	0.1	255	26.5	26.5	8.0	8.0	30.2	30.2	91.9	91.8	6.2	6.2	4.7	6.2	6	822150	807554				
						1.0	0.1	256	26.5	26.5	8.0	8.0	30.2	30.2	91.7	91.8	6.2	6.2	4.9	6.2	5						
					Middle	4.2	0.1	244	26.5	26.5	8.0	8.0	30.8	30.8	89.7	89.7	6.1	6.1	7.1	6.1	6.6			6.1	6		
						4.2	0.1	238	26.5	26.5	8.0	8.0	30.8	30.8	89.7	89.7	6.1	6.1	7.3	6.1	7						
					Bottom	7.3	0.1	245	26.5	26.5	8.0	8.0	30.9	30.9	89.9	89.9	6.1	6.1	7.8	6.1	7.8			6.1	9		
						7.3	0.0	239	26.5	26.5	8.0	8.0	30.9	30.9	90.0	90.0	6.1	6.1	7.8	6.1	7.8			6.1	8		
SR4A	Cloudy	Moderate	17:43	8.1	Surface	1.0	0.0	226	26.8	26.8	8.0	8.0	31.3	31.3	93.0	93.0	6.2	6.2	8.4	6.2	5	817171	807808				
						1.0	0.1	222	26.8	26.8	8.0	8.0	31.3	31.3	93.0	93.0	6.2	6.2	8.5	6.2	4						
					Middle	4.1	0.0	206	26.8	26.8	8.0	8.0	31.4	31.4	93.1	93.1	6.2	6.2	9.5	6.2	9.2			6.2	6		
						4.1	0.0	203	26.8	26.8	8.0	8.0	31.4	31.4	93.1	93.1	6.2	6.2	9.8	6.2	5						
					Bottom	7.1	0.0	219	26.9	26.9	8.0	8.0	31.4	31.4	93.3	93.3	6.3	6.3	10.0	6.3	6.3			6.3	6		
						7.1	0.1	225	26.9	26.9	8.0	8.0	31.4	31.4	93.3	93.3	6.3	6.3	9.2	6.3	6.3			6.3	6		
SR8	Sunny	Moderate	16:15	5.8	Surface	1.0	-	-	25.5	25.5	8.1	8.1	28.9	28.9	90.6	90.8	6.3	6.3	1.3	6.3	4	820398	811633				
						1.0	-	-	25.4	25.5	8.1	8.1	28.9	28.9	90.9	90.8	6.3	6.3	1.3	6.3	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2.3	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.8	-	-	25.2	25.2	8.1	8.1	29.0	29.1	94.8	95.0	6.6	6.6	3.2	6.6	6.7			6.6	6.7	5	
						4.8	-	-	25.2	25.2	8.1	8.1	29.1	29.1	95.1	95.0	6.7	6.7	3.2	6.7	6.7			6.7	5		

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring Results on 28 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	11:06	8.0	Surface	1.0	0.1	193	25.8	25.8	8.1	8.1	30.0	30.0	87.5	87.5	6.0	6.0	5.0	7.1	7	815643	804258	
						1.0	0.0	187	25.8	8.1	8.1	30.0	30.0	87.4	87.5	6.0	5.3							
						Middle	4.0	0.1	190	25.7	8.1	8.1	30.6	30.6	87.6	87.8	6.0							8.1
							4.0	0.1	185	25.7	8.1	8.1	30.6	30.6	87.9	87.8	6.0							8.2
					Bottom	7.0	0.1	206	25.7	8.1	8.1	30.6	30.6	89.1	89.2	6.1	8.1							
						7.0	0.0	212	25.7	8.1	8.1	30.6	30.6	89.3	89.2	6.1	8.1							
						Middle	1.0	0.5	163	26.0	8.1	8.1	28.6	28.6	85.2	85.2	5.9		8.6					
							1.0	0.5	162	26.0	8.1	8.1	28.6	28.6	85.2	85.2	5.9		8.7					
C2	Rainy	Moderate	12:37	11.8	Surface	5.9	0.5	166	25.9	25.9	8.1	8.1	28.7	28.7	85.7	85.7	5.9	5.9	8.4	9.9	8	825704	806947	
						5.9	0.5	165	25.9	8.1	8.1	28.7	28.7	85.7	85.7	5.9	8.2							
					Bottom	10.8	0.6	178	25.9	8.1	8.1	28.7	28.7	87.5	87.6	6.1	12.6							
						10.8	0.6	184	25.9	8.1	8.1	28.7	28.7	87.6	87.6	6.1	12.9							
C3	Fine	Moderate	12:26	10.2	Surface	1.0	0.3	66	26.6	26.6	7.9	7.9	32.1	32.1	83.6	83.6	5.6	5.6	2.3	2.4	12	822118	817824	
						1.0	0.3	64	26.6	7.9	7.9	32.1	32.1	83.5	83.6	5.6	2.3							
						Middle	5.1	0.3	79	26.6	7.9	7.9	32.2	32.2	82.2	82.2	5.5							2.4
							5.1	0.4	83	26.6	7.9	7.9	32.2	32.2	82.2	82.2	5.5							2.4
					Bottom	9.2	0.4	75	26.6	7.9	7.9	32.3	32.3	83.3	83.6	5.6	2.4							
						9.2	0.4	77	26.6	7.9	7.9	32.2	32.3	83.8	83.6	5.6	2.4							
						Surface	1.0	0.1	173	25.9	8.1	8.1	29.9	29.9	86.9	86.9	6.0		3.5					
							1.0	0.2	169	25.9	8.1	8.1	30.0	29.9	86.8	86.9	6.0		3.5					
IM1	Rainy	Moderate	11:34	6.6	Middle	3.3	0.1	196	25.8	25.8	8.1	8.1	30.2	30.2	86.0	86.0	5.9	6.0	5.5	5.3	6	818366	806467	
						3.3	0.1	197	25.8	8.1	8.1	30.2	30.2	86.0	86.0	5.9	5.7							
					Bottom	5.6	0.1	177	25.7	8.1	8.1	30.2	30.2	86.8	86.9	6.0	6.8							
						5.6	0.2	178	25.7	8.1	8.1	30.2	30.2	86.9	86.9	6.0	6.7							
IM2	Rainy	Moderate	11:39	7.5	Surface	1.0	0.2	177	26.0	26.0	8.1	8.1	29.3	29.3	89.0	89.0	6.1	6.1	4.3	6.7	7	819198	806255	
						1.0	0.2	172	26.0	8.1	8.1	29.3	29.3	89.0	89.0	6.1	4.3							
						Middle	3.8	0.1	176	25.8	8.1	8.1	30.2	30.2	86.5	86.6	6.0							7.3
							3.8	0.2	174	25.8	8.1	8.1	30.2	30.2	86.6	86.6	6.0							7.5
					Bottom	6.5	0.2	179	25.7	8.1	8.1	30.1	30.1	86.8	86.8	6.0	8.7							
						6.5	0.2	177	25.7	8.1	8.1	30.1	30.1	86.8	86.8	6.0	8.4							
						Surface	1.0	0.2	156	26.0	8.1	8.1	28.5	28.6	85.9	85.9	5.9		4.3					
							1.0	0.2	150	26.0	8.1	8.1	28.6	28.6	85.9	85.9	5.9		4.8					
IM7	Rainy	Moderate	12:01	8.0	Middle	4.0	0.2	161	25.9	25.9	8.1	8.1	29.1	29.1	85.8	85.8	5.9	5.9	7.2	7.1	5	821338	806851	
						4.0	0.1	166	25.9	8.1	8.1	29.1	29.1	85.8	85.8	5.9	7.2							
					Bottom	7.0	0.1	139	25.9	8.1	8.1	29.2	29.2	87.0	87.1	6.0	9.6							
						7.0	0.1	139	25.9	8.1	8.1	29.2	29.2	87.1	87.1	6.0	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

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

**Water Quality Monitoring Results on 28 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
IM10	Rainy	Moderate	13:52	9.0	Surface	1.0	0.3	128	26.6	26.6	8.1	8.1	30.7	30.7	91.6	91.7	6.2	6.2	6.4	4.6	12	12	822223	809821							
						1.0	0.4	126	26.6	8.1	8.1	30.7	30.7	91.8	91.7	6.2	3.9					11									
					Middle	4.5	0.4	104	26.6	26.6	8.1	8.1	30.7	30.7	92.4	92.6	6.2					4.6			10						
						4.5	0.4	105	26.6	26.6	8.1	8.1	30.7	30.7	92.7	92.6	6.3					4.5			12						
					Bottom	8.0	0.4	105	26.6	26.6	8.1	8.1	30.7	30.7	93.6	94.0	6.3					5.5			12						
						8.0	0.4	98	26.6	26.6	8.1	8.1	30.7	30.7	94.4	94.0	6.4					5.4			12						
IM11	Rainy	Moderate	13:46	7.6	Surface	1.0	0.4	90	26.7	26.7	8.1	8.1	30.4	30.4	91.2	91.3	6.2	6.2	6.3	5.2	11	10	821505	810545							
						1.0	0.3	88	26.7	26.7	8.1	8.1	30.4	30.4	91.4	91.3	6.2					4.1			10						
					Middle	3.8	0.4	111	26.7	26.7	8.1	8.1	30.5	30.5	91.8	91.9	6.2					5.0			10						
						3.8	0.4	106	26.7	26.7	8.1	8.1	30.5	30.5	91.9	91.9	6.2					5.0			10						
					Bottom	6.6	0.4	127	26.4	26.4	8.1	8.1	30.7	30.7	92.8	93.0	6.3					6.6			12						
						6.6	0.3	120	26.3	26.4	8.1	8.1	30.7	30.7	93.1	93.0	6.3					6.5			11						
IM12	Rainy	Moderate	13:42	7.6	Surface	1.0	0.4	94	26.7	26.7	8.1	8.1	30.1	30.1	93.5	93.5	6.3	6.4	6.5	4.0	11	11	821166	811520							
						1.0	0.4	96	26.7	26.7	8.1	8.1	30.1	30.1	93.5	93.5	6.3					2.3			12						
					Middle	3.8	0.5	114	26.7	26.7	8.1	8.1	30.2	30.2	94.0	94.2	6.4					4.3			12						
						3.8	0.4	117	26.7	26.7	8.1	8.1	30.2	30.2	94.4	94.2	6.4					4.3			11						
					Bottom	6.6	0.5	101	26.6	26.6	8.1	8.1	30.2	30.2	95.5	95.8	6.5					5.4			10						
						6.6	0.4	95	26.6	26.6	8.1	8.1	30.2	30.2	96.1	95.8	6.5					5.4			10						
SR1A	Fine	Moderate	13:02	4.2	Surface	1.0	0.0	70	26.7	26.7	8.1	8.1	30.8	30.8	91.4	91.5	6.2	6.2	6.4	3.0	10	9	819974	812658							
						1.0	0.0	62	26.7	26.7	8.1	8.1	30.8	30.8	91.6	91.5	6.2					2.3			10						
					Middle	2.1	0.0	42	-	-	-	-	-	-	-	-	-					-			-	-	-	-	-	-	-
						2.1	0.1	39	-	-	-	-	-	-	-	-	-					-			-	-	-	-	-	-	-
					Bottom	3.2	-	68	26.6	26.6	8.1	8.1	30.8	30.7	93.2	94.1	6.3					3.8			10						
						3.2	0.0	74	26.6	26.6	8.1	8.1	30.7	30.7	95.0	94.1	6.4					3.7			11						
SR2	Fine	Moderate	12:49	4.6	Surface	1.0	0.4	35	26.7	26.7	8.1	8.1	31.1	31.1	89.7	89.8	6.0	6.0	6.2	3.0	8	7	821454	814146							
						1.0	0.4	38	26.7	26.7	8.1	8.1	31.2	31.1	89.8	89.8	6.0					3.0			7						
					Middle	-	0.4	31	-	-	-	-	-	-	-	-	-					-			-	-	-	-	-	-	-
						-	0.3	37	-	-	-	-	-	-	-	-	-					-			-	-	-	-	-	-	-
					Bottom	3.6	0.4	51	26.6	26.6	8.1	8.1	31.6	31.6	91.5	91.9	6.2					3.1			9						
						3.6	0.4	51	26.6	26.6	8.1	8.1	31.6	31.6	92.2	91.9	6.2					3.1			8						
SR3	Rainy	Moderate	12:09	8.5	Surface	1.0	0.3	162	26.1	26.1	8.0	8.0	27.9	27.9	85.6	85.6	5.9	6.0	6.0	7.6	4	3	822127	807589							
						1.0	0.3	163	26.1	26.1	8.0	8.0	27.9	27.9	85.5	85.6	5.9					4									
					Middle	4.3	0.4	163	26.0	26.0	8.0	8.0	28.5	28.5	86.1	86.2	6.0					6.0			5						
						4.3	0.4	168	26.0	26.0	8.1	8.1	28.5	28.5	86.2	86.2	6.0					6.1			4						
					Bottom	7.5	0.3	159	26.0	26.0	8.1	8.1	28.8	28.8	87.1	87.2	6.0					8.3			4						
						7.5	0.3	163	25.9	26.0	8.1	8.1	28.8	28.8	87.2	87.2	6.0					8.3			5						
SR4A	Rainy	Moderate	10:40	8.8	Surface	1.0	0.0	103	25.9	25.9	8.1	8.1	29.1	29.1	84.8	84.8	5.8	5.9	5.9	6.8	8	8	817201	807816							
						1.0	0.0	98	25.9	25.9	8.1	8.1	29.1	29.1	84.8	84.8	5.8					5.5			8						
					Middle	4.4	0.0	122	25.9	25.9	8.1	8.1	28.9	28.8	84.8	84.8	5.9					6.8			8						
						4.4	0.0	126	25.9	25.9	8.1	8.1	28.7	28.8	84.8	84.8	5.9					6.9			8						
					Bottom	7.8	0.0	123	25.9	25.9	8.1	8.1	29.4	29.1	84.9	84.9	5.8					7.9			7						
						7.8	0.0	121	25.9	25.9	8.1	8.1	28.9	29.1	84.9	84.9	5.9					7.9			8						
SR8	Fine	Moderate	13:38	4.4	Surface	1.0	-	-	26.4	26.4	8.1	8.1	30.8	30.8	94.8	95.4	6.4	6.5	7.0	3.1	9	9	820393	811619							
						1.0	-	-	26.3	26.4	8.1	8.1	30.9	30.9	95.9	95.4	6.5					2.3			10						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-					-			-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-					-			-	-	-	-	-	-	
					Bottom	3.4	-	-	26.0	26.0	8.1	8.1	31.0	30.9	101.8	101.7	6.9					3.9			7						
						3.4	-	-	25.9	26.0	8.1	8.1	30.9	30.9	101.5	101.7	7.0					3.9			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 28 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Rainy	Moderate	18:33	8.2	Surface	1.0	0.4	39	25.8	25.8	8.1	8.1	30.0	30.0	86.7	86.7	6.0	6.0	4.4	5.6	5	6	815625	804263	
						1.0	0.4	43	25.8	8.1	8.1	30.0	30.0	86.7	86.7	6.0	4.4		6						
						Middle	4.1	0.3	23	25.8	8.1	8.1	30.4	30.4	85.5	85.5	5.9		4.2		6				
							4.1	0.3	28	25.8	8.1	8.1	30.4	30.4	85.5	85.5	5.9		4.2		5				
					Bottom	7.2	0.4	17	25.8	8.1	8.1	30.4	30.4	85.8	85.8	5.9	8.2		7						
						7.2	0.3	19	25.8	8.1	8.1	30.4	30.4	86.0	85.9	5.9	8.2		6						
								166	26.0	26.0	8.1	8.1	28.3	28.3	85.0	85.0	5.9		4.4		5				
								164	26.0	26.0	8.1	8.1	28.3	28.3	85.0	85.0	5.9		4.4		6				
C2	Rainy	Rough	16:44	11.7	Surface	1.0	0.1	166	26.0	26.0	8.1	8.1	28.3	28.3	85.0	85.0	5.9	5.9	4.4	9.0	5	6	825665	806949	
						1.0	0.1	164	26.0	26.0	8.1	8.1	28.3	28.3	85.0	85.0	5.9		4.4		6				
						Middle	5.9	0.2	163	25.9	25.9	8.1	8.1	28.8	28.8	85.0	85.0		5.9		10.4				5
							5.9	0.1	157	25.9	25.9	8.1	8.1	28.8	28.8	84.9	84.9		5.9		10.2				6
					Bottom	10.7	0.2	157	25.9	25.9	8.1	8.1	28.8	28.8	84.6	84.6	5.8		12.2		7				
						10.7	0.2	160	25.9	25.9	8.1	8.1	28.8	28.8	84.5	84.5	5.8		12.3		6				
								250	26.6	26.6	8.1	8.1	30.9	30.9	90.9	91.0	6.1		5.0		7				
								255	26.6	26.6	8.1	8.1	31.0	31.0	91.0	91.0	6.1		5.0		7				
C3	Misty	Moderate	18:03	8.2	Surface	1.0	0.5	250	26.6	26.6	8.1	8.1	30.9	30.9	90.9	91.0	6.1	6.2	5.0	5.5	7	7	822129	817818	
						1.0	0.5	255	26.6	26.6	8.1	8.1	31.0	31.0	91.0	91.0	6.1		5.0		7				
						Middle	4.1	0.4	276	26.6	26.6	8.1	8.1	31.1	31.2	91.7	91.9		6.2		5.3				6
							4.1	0.5	279	26.6	26.6	8.1	8.1	31.2	31.2	92.0	92.0		6.2		5.2				7
					Bottom	7.2	0.5	267	26.6	26.6	8.1	8.1	31.4	31.3	93.7	94.3	6.3		6.2		6				
						7.2	0.4	264	26.6	26.6	8.1	8.1	31.3	31.3	94.8	94.3	6.4		6.3		7				
								28	26.0	26.0	8.1	8.1	29.3	29.3	87.3	87.3	6.0		2.5		6				
								26	26.0	26.0	8.1	8.1	29.3	29.3	87.2	87.2	6.0		2.6		5				
IM1	Rainy	Moderate	18:09	7.2	Surface	1.0	0.2	28	26.0	26.0	8.1	8.1	29.3	29.3	87.3	87.3	6.0	6.0	2.5	6.4	6	4	818339	806474	
						1.0	0.2	26	26.0	26.0	8.1	8.1	29.3	29.3	86.5	86.5	5.9		3.7		4				
						Middle	3.6	0.2	16	25.9	25.9	8.1	8.1	29.9	29.9	86.5	86.5		5.9		3.9				4
							3.6	0.2	19	25.9	25.9	8.1	8.1	29.9	29.9	86.4	86.4		5.9		3.9				4
					Bottom	6.2	0.2	26	25.8	25.8	8.1	8.1	30.3	30.3	86.5	86.5	5.9		12.8		4				
						6.2	0.3	27	25.8	25.8	8.1	8.1	30.3	30.3	86.8	86.7	6.0		12.7		3				
								307	26.0	26.0	8.1	8.1	29.2	29.2	86.9	87.0	6.0		3.2		5				
								308	26.0	26.0	8.1	8.1	29.2	29.2	87.0	87.0	6.0		3.2		6				
IM2	Rainy	Moderate	18:03	6.7	Surface	1.0	0.1	307	26.0	26.0	8.1	8.1	29.2	29.2	86.9	87.0	6.0	6.0	3.2	5.0	5	6	819174	806223	
						1.0	0.1	308	26.0	26.0	8.1	8.1	29.2	29.2	87.0	87.0	6.0		3.2		6				
						Middle	3.4	0.1	325	25.8	25.8	8.1	8.1	30.1	30.1	86.4	86.4		5.9		5.2				5
							3.4	0.1	327	25.8	25.8	8.1	8.1	30.1	30.1	86.4	86.4		5.9		5.4				6
					Bottom	5.7	0.1	296	25.7	25.7	8.1	8.1	30.3	30.3	87.3	87.4	6.0		6.5		6				
						5.7	0.1	298	25.7	25.7	8.1	8.1	30.3	30.3	87.4	87.4	6.0		6.4		6				
								262	25.9	25.9	8.1	8.1	28.9	28.9	86.3	86.3	6.0		4.7		5				
								254	25.9	25.9	8.1	8.1	29.0	29.0	86.3	86.3	6.0		5.0		5				
IM7	Rainy	Moderate	17:29	8.0	Surface	1.0	0.2	262	25.9	25.9	8.1	8.1	28.9	28.9	86.3	86.3	6.0	6.0	4.7	6.8	5	4	821325	806844	
						1.0	0.2	254	25.9	25.9	8.1	8.1	29.0	29.0	86.3	86.3	6.0		5.0		5				
						Middle	4.0	0.2	274	25.9	25.9	8.1	8.1	29.3	29.3	87.1	87.2		6.0		7.8				5
							4.0	0.3	277	25.9	25.9	8.1	8.1	29.3	29.3	87.3	87.3		6.0		7.8				4
					Bottom	7.0	0.2	286	25.9	25.9	8.1	8.1	29.3	29.2	88.1	88.2	6.1		7.9		3				
						7.0	0.2	278	25.9	25.9	8.1	8.1	29.2	29.2	88.3	88.3	6.1		7.8		4				
								262	25.9	25.9	8.1	8.1	28.9	28.9	86.3	86.3	6.0		4.7		5				
								254	25.9	25.9	8.1	8.1	29.0	29.0	86.3	86.3	6.0		5.0		5				

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Moderate	16:45	8.0	Surface	1.0	0.2	231	26.7	26.7	8.1	8.1	30.7	30.7	88.5	88.6	6.0	6.0	4.1	4.1	9	8	822216	809825			
						1.0	0.1	235	26.7	26.7	8.1	8.1	30.7	30.7	88.6	88.6	6.0	6.0	4.1	4.1	8						
					Middle	4.0	0.2	243	26.7	26.7	8.1	8.1	30.7	30.7	88.7	88.7	6.0	6.0	5.0	5.0	8				5.2		
						4.0	0.2	248	26.7	26.7	8.1	8.1	30.7	30.7	88.7	88.7	6.0	6.0	5.0	5.0	8						
					Bottom	7.0	0.2	208	26.7	26.7	8.1	8.1	30.7	30.7	88.9	89.0	6.0	6.0	6.6	6.6	8				6.0		
						7.0	0.2	202	26.7	26.7	8.1	8.1	30.7	30.7	89.0	89.0	6.0	6.0	6.5	6.5	8						
IM11	Misty	Moderate	17:05	7.6	Surface	1.0	0.2	257	26.6	26.6	8.1	8.1	30.7	30.7	92.2	92.3	6.2	6.2	2.1	2.1	8	9	821489	810541			
						1.0	0.2	254	26.6	26.6	8.1	8.1	30.7	30.7	92.4	92.3	6.2	6.2	2.1	2.1	7						
					Middle	3.8	0.2	247	26.6	26.6	8.1	8.1	30.7	30.7	93.2	93.4	6.3	6.3	4.3	4.3	9				6.3		
						3.8	0.3	248	26.6	26.6	8.1	8.1	30.7	30.7	93.6	93.4	6.3	6.3	4.3	4.3	9						
					Bottom	6.6	0.2	264	26.6	26.6	8.1	8.1	30.7	30.7	94.8	94.9	6.4	6.4	5.8	5.8	9				6.4		
						6.6	0.2	262	26.6	26.6	8.1	8.1	30.7	30.7	95.0	94.9	6.4	6.4	5.9	5.9	10						
IM12	Misty	Moderate	17:09	8.2	Surface	1.0	0.3	273	26.7	26.7	8.1	8.1	30.6	30.6	90.4	90.5	6.1	6.1	3.3	3.3	9	9	821158	811509			
						1.0	0.3	275	26.7	26.7	8.1	8.1	30.7	30.7	90.5	90.5	6.1	6.1	3.3	3.3	8						
					Middle	4.1	0.3	259	26.7	26.7	8.1	8.1	30.7	30.7	91.5	91.6	6.2	6.2	4.9	4.9	8				6.2		
						4.1	0.3	255	26.6	26.6	8.1	8.1	30.7	30.7	91.7	91.6	6.2	6.2	4.9	4.9	9						
					Bottom	7.2	0.3	280	26.6	26.6	8.1	8.1	30.7	30.7	92.5	92.6	6.2	6.3	5.5	5.5	9				6.3		
						7.2	0.2	285	26.6	26.6	8.1	8.1	30.7	30.7	92.7	92.6	6.3	6.3	5.4	5.4	10						
SR1A	Misty	Moderate	17:27	4.3	Surface	1.0	0.0	202	26.8	26.8	8.1	8.1	30.4	30.4	91.1	91.2	6.2	6.2	3.9	3.9	8	9	819972	812656			
						1.0	0.0	201	26.8	26.8	8.1	8.1	30.4	30.4	91.2	91.2	6.2	6.2	3.9	3.9	9						
					Middle	2.2	0.0	175	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.2
						2.2	0.0	181	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	3.3	0.0	212	26.8	26.8	8.1	8.1	30.4	30.4	91.3	91.4	6.2	6.2	4.9	4.9	10				6.2		
						3.3	0.0	208	26.8	26.8	8.1	8.1	30.4	30.4	91.4	91.4	6.2	6.2	5.0	5.0	10						
SR2	Misty	Moderate	17:47	5.6	Surface	1.0	0.1	244	26.7	26.7	8.0	8.0	30.5	30.5	90.7	90.8	6.1	6.1	5.0	5.0	11	9	821467	814170			
						1.0	0.2	251	26.7	26.7	8.0	8.0	30.5	30.5	90.8	90.8	6.1	6.1	5.0	5.0	10						
					Middle	-	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.1
						-	0.1	225	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.6	0.2	240	26.7	26.7	8.0	8.0	30.5	30.4	91.2	91.2	6.2	6.2	6.3	6.3	6				6.2		
						4.6	0.2	243	26.7	26.7	8.0	8.0	30.4	30.4	91.2	91.2	6.2	6.2	6.3	6.3	7						
SR3	Rainy	Rough	17:06	8.5	Surface	1.0	0.2	241	26.1	26.1	8.1	8.1	28.2	28.2	85.5	85.6	5.9	5.9	3.8	3.8	3	3	822130	807566			
						1.0	0.2	237	26.1	26.1	8.1	8.1	28.2	28.2	85.6	85.6	5.9	5.9	4.0	4.0	3						
					Middle	4.3	0.1	241	25.9	25.9	8.1	8.1	28.9	28.9	86.6	86.7	6.0	6.0	6.5	6.5	3				6.0		
						4.3	0.1	241	25.9	25.9	8.1	8.1	28.9	28.9	86.7	86.7	6.0	6.0	6.5	6.5	3						
					Bottom	7.5	0.1	225	25.9	25.9	8.1	8.1	29.1	29.1	86.9	86.9	6.0	6.0	6.5	6.5	3				6.0		
						7.5	0.1	231	25.9	25.9	8.1	8.1	29.0	29.0	86.9	86.9	6.0	6.0	6.4	6.4	4						
SR4A	Rainy	Moderate	19:05	8.2	Surface	1.0	0.0	172	26.0	26.0	8.1	8.1	29.5	29.5	85.2	85.2	5.9	5.9	3.2	3.2	6	6	817200	807806			
						1.0	0.0	168	26.0	26.0	8.1	8.1	29.5	29.5	85.1	85.1	5.9	5.9	3.3	3.3	7						
					Middle	4.1	0.0	182	25.8	25.8	8.1	8.1	30.0	30.0	84.6	84.6	5.8	5.8	4.9	4.9	7				5.9		
						4.1	0.0	186	25.8	25.8	8.1	8.1	30.0	30.0	84.6	84.6	5.8	5.8	5.0	5.0	6						
					Bottom	7.2	0.0	175	25.8	25.8	8.1	8.1	30.1	30.1	85.0	85.0	5.9	5.9	5.1	5.1	5				5.9		
						7.2	0.1	170	25.8	25.8	8.1	8.1	30.1	30.1	85.0	85.0	5.9	5.9	5.1	5.1	5						
SR8	Misty	Moderate	17:15	5.6	Surface	1.0	-	-	26.7	26.7	8.0	8.0	30.6	30.6	92.3	92.4	6.2	6.2	3.5	3.5	7	8	820372	811638			
						1.0	-	-	26.7	26.7	8.0	8.0	30.6	30.6	92.4	92.4	6.2	6.2	3.5	3.5	8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.2
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.6	-	-	26.6	26.6	8.1	8.1	30.6	30.6	94.0	94.3	6.3	6.4	5.1	5.1	8				6.4		
						4.6	-	-	26.6	26.6	8.1	8.1	30.6	30.6	94.6	94.6	6.4	6.4	5.1	5.1	8						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 31 October 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA									
C1	Sunny	Moderate	14:27	8.1	Surface	1.0	0.2	207	27.1	8.0	8.0	31.2	31.2	87.1	87.1	5.8	5.7	2.5	2.5	8	815606	804261									
						1.0	0.2	201	27.0	8.0	8.0	31.2	31.2	87.1	87.1	5.8			2.4												
					Middle	4.1	0.2	218	26.6	8.0	8.0	31.6	31.6	82.2	82.2	5.5		5.5	2.3												
						4.1	0.2	212	26.6	8.0	8.0	31.6	31.6	82.2	82.2	5.5		5.5	2.3												
					Bottom	7.1	0.2	227	26.5	8.0	8.0	31.9	31.9	80.2	80.2	5.4		5.4	2.8												
						7.1	0.3	233	26.5	8.0	8.0	31.9	31.9	80.2	80.2	5.4		5.4	2.8												
					C2	Sunny	Rough	12:49	9.3	Surface	1.0	0.2	350	26.7	8.1	8.1		30.9	30.8				91.6	91.6	6.2	6.2	4.9	3.8	9	825703	806930
											1.0	0.2	349	26.7	8.1	8.1		30.8	30.8				91.6	91.6	6.2			3.9			
Middle	4.7	0.2	358	26.7						8.1	8.1	30.9	30.9	91.8	91.8	6.2	6.2	4.3													
	4.7	0.1	353	26.7						8.1	8.1	30.9	30.9	91.8	91.8	6.2	6.2	4.4													
Bottom	8.3	0.1	17	26.5						8.1	8.1	30.9	30.9	91.8	91.8	6.2	6.2	6.4													
	8.3	0.1	18	26.5						8.1	8.1	30.9	30.9	91.8	91.8	6.2	6.2	6.4													
C3	Sunny	Moderate	14:39	11.7						Surface	1.0	0.2	67	26.6	8.1	8.1	28.7	28.7	86.5	86.6	5.9	5.7	8.3	7.3	8		822085	817798			
											1.0	0.2	72	26.5	8.1	8.1	28.8	28.8	86.6	86.6	5.9			7.7							
					Middle	5.9	0.2	91	26.1	8.1	8.1	29.3	29.3	80.3	80.3	5.5	5.5	8.2													
						5.9	0.2	91	26.1	8.1	8.1	29.3	29.3	80.3	80.3	5.5	5.5	8.2													
					Bottom	10.7	0.2	68	25.9	8.1	8.1	29.4	29.4	81.3	81.4	5.6	5.6	9.1													
						10.7	0.2	66	25.9	8.1	8.1	29.4	29.4	81.5	81.4	5.6	5.6	9.1													
					IM1	Sunny	Rough	14:03	7.2	Surface	1.0	0.0	181	27.3	8.0	8.0	30.7	30.7	89.6	89.6	6.0		5.8	3.4		2.8			8	818370	806464
											1.0	0.0	185	27.3	8.0	8.0	30.7	30.7	89.6	89.6	6.0					2.8					
Middle	3.6	0.1	184	26.6						8.0	8.0	31.2	31.2	83.2	83.2	5.6	5.6	3.2													
	3.6	0.2	181	26.6						8.0	8.0	31.2	31.2	83.2	83.2	5.6	5.6	3.2													
Bottom	6.2	0.1	198	26.6						8.0	8.0	31.5	31.5	82.6	82.6	5.6	5.6	4.2													
	6.2	0.1	202	26.6						8.0	8.0	31.5	31.5	82.6	82.6	5.6	5.6	4.2													
IM2	Sunny	Rough	13:48	7.6						Surface	1.0	0.1	94	27.0	8.0	8.0	30.8	30.8	88.8	88.8	6.0	5.8		3.2	3.3	10	819159	806247			
											1.0	0.1	96	27.0	8.0	8.0	30.9	30.8	88.8	88.8	6.0				3.3						
					Middle	3.8	0.0	109	26.6	8.0	8.0	31.3	31.2	83.7	83.7	5.6	5.6	3.2													
						3.8	0.0	116	26.6	8.0	8.0	31.2	31.2	83.7	83.7	5.6	5.6	3.3													
					Bottom	6.6	0.1	112	26.6	8.0	8.0	31.4	31.4	85.1	85.2	5.7	5.7	2.9													
						6.6	0.1	108	26.6	8.0	8.0	31.4	31.4	85.2	85.2	5.7	5.7	2.9													
					IM7	Sunny	Rough	13:21	8.6	Surface	1.0	0.2	73	26.9	8.0	8.0	30.6	30.6	88.7	88.6	6.0		5.9	5.0	3.3				8	821356	806816
											1.0	0.2	71	26.8	8.0	8.0	30.6	30.6	88.4	88.4	6.0				3.3						
Middle	4.3	0.1	72	26.6						8.0	8.0	30.5	30.5	85.8	85.8	5.8	5.8	4.4													
	4.3	0.1	73	26.6						8.0	8.0	30.5	30.5	85.7	85.7	5.8	5.8	4.4													
Bottom	7.6	0.2	52	26.6						8.0	8.0	31.2	31.2	84.1	84.1	5.7	5.7	7.5													
	7.6	0.2	52	26.6						8.0	8.0	31.2	31.2	84.1	84.1	5.7	5.7	7.5													

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 October 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Sunny	Moderate	12:54	8.5	Surface	1.0	0.1	6	26.0	26.0	8.1	8.1	28.4	28.4	82.2	82.2	5.7	5.7	5.7	6.5	8	7	822257	809848				
						1.0	0.1	2	26.0		8.1		28.4		82.1		5.7		6.0									
					Middle	4.3	0.1	7	26.0	26.0	8.1	8.1	28.4	28.4	82.0	82.0	5.7	5.7	6.8	7	6							
						4.3	0.1	0	26.0	8.1	8.1	28.4	28.4	82.0	82.0	5.7	5.7	6.8	7	6								
					Bottom	7.5	0.1	11	26.0	26.0	8.1	8.1	28.4	28.4	82.0	82.1	5.7	5.7	6.9	6	6							
						7.5	0.0	12	26.0	8.1	8.1	28.4	28.4	82.1	82.1	5.7	5.7	6.9	6	6								
IM11	Sunny	Moderate	13:37	8.0	Surface	1.0	0.1	59	26.1	26.1	8.1	8.1	28.5	28.5	83.7	83.7	5.8	5.8	3.6	4.6	7	8	821520	810539				
						1.0	0.1	59	26.1		8.1		28.5		83.7		5.8		3.6									
					Middle	4.0	0.1	62	26.0	26.0	8.1	8.1	28.5	28.5	83.5	83.5	5.8	5.8	5.0	8	8							
						4.0	0.1	62	26.0	8.1	8.1	28.5	28.5	83.5	83.5	5.8	5.8	5.1	7	7								
					Bottom	7.0	0.2	53	26.0	26.0	8.1	8.1	28.5	28.5	83.9	83.9	5.8	5.8	5.0	9	9							
						7.0	0.2	58	26.0	8.1	8.1	28.5	28.5	83.9	83.9	5.8	5.8	5.1	8	8								
IM12	Sunny	Moderate	13:42	8.3	Surface	1.0	0.2	99	26.5	26.5	8.1	8.1	28.6	28.6	84.8	84.8	5.8	5.8	4.6	6.8	8	7	821170	811539				
						1.0	0.1	104	26.4		8.1		28.6		84.7		5.8		4.7									
					Middle	4.2	0.2	78	26.0	26.0	8.1	8.1	28.6	28.6	84.0	84.1	5.8	5.8	7.0	8	8							
						4.2	0.2	83	26.0	8.1	8.1	28.6	28.6	84.2	84.1	5.8	5.8	7.8	7	7								
					Bottom	7.3	0.2	107	26.0	26.0	8.1	8.1	28.5	28.5	86.6	86.8	6.0	6.0	8.4	6	6							
						7.3	0.2	99	26.0	8.1	8.1	28.5	28.5	86.9	86.8	6.0	6.0	8.4	5	5								
SR1A	Sunny	Moderate	14:07	5.2	Surface	1.0	-	7	26.1	26.1	8.1	8.1	28.5	28.5	83.1	83.1	5.7	5.7	4.2	4.4	6	7	819973	812653				
						1.0	0.0	8	26.1		8.1		28.5		83.1		5.7		4.3									
					Middle	2.6	0.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.2	0.0	21	26.0	26.0	8.1	8.1	28.5	28.5	84.6	85.0	5.9	5.9	4.3	8	8							
						4.2	0.0	16	26.0	8.1	8.1	28.5	28.5	85.3	85.0	5.9	5.9	4.6	8	8								
SR2	Sunny	Moderate	14:20	5.5	Surface	1.0	0.2	50	26.1	26.1	8.1	8.1	28.5	28.5	83.6	83.6	5.8	5.8	3.9	4.6	8	8	821461	814148				
						1.0	0.2	44	26.0		8.1		28.5		83.5		5.8		4.0									
					Middle	-	0.2	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	0.2	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.5	0.2	48	25.9	25.9	8.1	8.1	28.5	28.5	85.2	85.5	5.9	5.9	5.2	8	8							
						4.5	0.2	52	25.9	8.1	8.1	28.5	28.5	85.7	85.5	5.9	5.9	5.3	8	8								
SR3	Sunny	Rough	13:14	8.9	Surface	1.0	0.1	27	26.9	26.9	8.1	8.1	30.5	30.5	89.7	89.7	6.0	5.9	2.9	4.6	9	8	822141	807571				
						1.0	0.1	27	26.9		8.1		30.5		89.7		6.0		2.9									
					Middle	4.5	0.1	48	26.6	26.6	8.0	8.0	30.6	30.6	86.3	86.3	5.8	5.8	4.6	7	7							
						4.5	0.1	53	26.6	8.0	8.0	30.6	30.6	86.3	86.3	5.8	5.8	4.6	8	8								
					Bottom	7.9	0.1	26	26.6	26.6	8.0	8.0	31.2	31.2	84.5	84.6	5.7	5.7	6.3	7	7							
						7.9	0.1	31	26.6	8.0	8.0	31.2	31.2	84.6	84.6	5.7	5.7	6.3	7	7								
SR4A	Sunny	Rough	14:50	9.7	Surface	1.0	0.0	73	27.4	27.4	8.0	8.0	31.0	31.0	89.3	89.3	6.0	5.8	2.5	2.8	7	7	817202	807806				
						1.0	0.0	68	27.3		8.0		31.0		89.3		6.0		2.5									
					Middle	4.9	0.0	77	26.6	26.6	8.0	8.0	31.5	31.5	83.7	83.7	5.6	5.6	2.1	7	7							
						4.9	0.0	77	26.6	8.0	8.0	31.5	31.5	83.6	83.7	5.6	5.6	2.1	6	6								
					Bottom	8.7	0.0	41	26.6	26.7	8.0	8.0	31.7	31.6	81.4	81.5	5.5	5.5	3.8	6	6							
						8.7	0.0	44	26.7	8.0	8.0	31.6	31.6	81.5	81.5	5.5	5.5	3.8	6	6								
SR8	Sunny	Moderate	13:46	4.7	Surface	1.0	-	-	26.3	26.3	8.1	8.1	28.5	28.5	85.4	85.4	5.9	5.9	6.2	5.3	9	9	820398	811604				
						1.0	-	-	26.2		8.1		28.5		85.3		5.9		6.4									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.7	-	-	26.0	26.0	8.1	8.1	28.5	28.5	86.7	86.8	6.0	6.0	4.2	9	9							
						3.7	-	-	26.0	8.1	8.1	28.5	28.5	86.9	86.8	6.0	6.0	4.3	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 October 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Sunny	Rough	08:02	7.4	Surface	1.0	0.3	21	26.5	26.5	8.0	8.0	30.3	30.3	92.6	92.6	6.3	6.3	6.0	6.0	6	7	815630	804260				
						1.0	0.2	21	26.5	8.0	8.0	30.3	30.3	92.5	92.5	6.3	6.3	6.1	6.1	7	7							
					Middle	3.7	0.3	43	26.4	26.4	8.0	8.0	30.9	30.9	91.7	91.7	6.2	6.2	6.3	6.3	6.6	6.6			6	7		
						3.7	0.3	49	26.4	26.4	8.0	8.0	30.9	30.9	91.6	91.6	6.2	6.2	6.8	6.8	6	7						
					Bottom	6.4	0.3	18	26.3	26.3	8.0	8.0	31.1	31.1	88.4	88.4	6.0	6.0	7.2	7.2	6	6						
						6.4	0.3	21	26.3	26.3	8.0	8.0	31.1	31.1	88.4	88.4	6.0	6.0	7.3	7.3	6	6						
C2	Sunny	Moderate	09:50	8.6	Surface	1.0	0.5	356	26.6	26.6	8.1	8.1	30.8	30.8	92.3	92.3	6.2	6.2	7.2	7.2	6	5	825695	806923				
						1.0	0.5	1	26.6	26.6	8.1	8.1	30.8	30.8	92.3	92.3	6.2	6.2	7.2	7.2	5	5						
					Middle	4.3	0.5	4	26.6	26.6	8.1	8.1	30.8	30.8	91.8	91.8	6.2	6.2	5.8	5.8	6.3	6.3			6	6		
						4.3	0.5	5	26.6	26.6	8.1	8.1	30.8	30.8	91.8	91.8	6.2	6.2	5.8	5.8	6	6						
					Bottom	7.6	0.5	334	26.6	26.6	8.1	8.1	30.9	30.9	92.4	92.4	6.2	6.2	5.8	5.8	6.2	6.2			6	8		
						7.6	0.4	327	26.6	26.6	8.1	8.1	30.9	30.9	92.5	92.5	6.2	6.2	5.8	5.8	6.2	6.2			6	9		
C3	Sunny	Moderate	08:00	12.5	Surface	1.0	0.5	257	26.0	26.0	8.0	8.0	29.5	29.5	79.3	79.3	5.5	5.5	3.1	3.1	6	6	822105	817783				
						1.0	0.5	263	26.0	26.0	8.0	8.0	29.5	29.5	79.3	79.3	5.5	5.5	3.1	3.1	6	6						
					Middle	6.3	0.5	266	25.9	25.9	8.0	8.0	29.6	29.6	79.5	79.5	5.5	5.5	4.4	4.4	4.0	4.0			7	7		
						6.3	0.4	259	25.9	25.9	8.0	8.0	29.6	29.6	79.5	79.5	5.5	5.5	4.6	4.6	4.0	4.0			7	7		
					Bottom	11.5	0.5	245	25.9	25.9	8.0	8.0	29.6	29.6	80.5	80.5	5.5	5.5	4.5	4.5	5.6	5.6			4.0	4.0	8	8
						11.5	0.5	244	25.9	25.9	8.0	8.0	29.6	29.6	80.7	80.7	5.6	5.6	4.5	4.5	5.6	5.6			4.0	4.0	8	8
IM1	Sunny	Moderate	08:27	6.7	Surface	1.0	0.2	16	26.6	26.6	8.1	8.1	30.2	30.2	93.3	93.3	6.3	6.3	6.5	6.5	10	10	818327	806460				
						1.0	0.2	17	26.6	26.6	8.1	8.1	30.2	30.2	93.3	93.3	6.3	6.3	6.5	6.5	10	10						
					Middle	3.4	0.2	358	26.5	26.5	8.1	8.1	30.4	30.4	92.3	92.4	6.3	6.3	5.0	5.0	6.0	6.0			9	9		
						3.4	0.2	351	26.5	26.5	8.1	8.1	30.4	30.4	92.4	92.4	6.3	6.3	5.0	5.0	6.0	6.0			9	9		
					Bottom	5.7	0.2	31	26.4	26.4	8.0	8.0	30.9	30.9	91.4	91.4	6.2	6.2	6.4	6.4	6.2	6.2			6.0	6.0	8	8
						5.7	0.2	23	26.4	26.4	8.0	8.0	30.9	30.9	91.4	91.4	6.2	6.2	6.4	6.4	6.2	6.2			6.0	6.0	8	8
IM2	Sunny	Moderate	08:42	7.1	Surface	1.0	0.2	354	26.4	26.4	8.1	8.1	30.8	30.8	91.6	91.6	6.2	6.2	4.1	4.1	8	9	819169	806250				
						1.0	0.2	352	26.4	26.4	8.1	8.1	30.8	30.8	91.6	91.6	6.2	6.2	4.1	4.1	8	9						
					Middle	3.6	0.2	351	26.3	26.3	8.1	8.1	31.0	31.0	90.2	90.2	6.1	6.1	3.8	3.8	4.4	4.4			6	6		
						3.6	0.2	345	26.3	26.3	8.1	8.1	31.0	31.0	90.2	90.2	6.1	6.1	3.9	3.9	4.4	4.4			6	6		
					Bottom	6.1	0.2	342	26.3	26.3	8.1	8.1	31.3	31.3	90.2	90.3	6.1	6.1	5.2	5.2	6.1	6.1			4.4	4.4	7	7
						6.1	0.2	334	26.3	26.3	8.1	8.1	31.3	31.3	90.3	90.3	6.1	6.1	5.2	5.2	6.1	6.1			4.4	4.4	7	7
IM7	Sunny	Moderate	09:11	7.7	Surface	1.0	0.2	3	26.6	26.6	8.1	8.1	30.5	30.5	92.9	92.8	6.3	6.3	5.2	5.2	8	8	821343	806851				
						1.0	0.2	7	26.6	26.6	8.1	8.1	30.5	30.5	92.7	92.7	6.3	6.3	5.2	5.2	8	8						
					Middle	3.9	0.2	5	26.3	26.3	8.0	8.0	31.2	31.2	89.7	89.7	6.1	6.1	6.7	6.7	7.1	7.1			8	8		
						3.9	0.3	2	26.3	26.3	8.0	8.0	31.2	31.2	89.7	89.7	6.1	6.1	6.9	6.9	7.1	7.1			8	8		
					Bottom	6.7	0.2	339	26.3	26.3	8.0	8.0	31.3	31.3	89.4	89.5	6.1	6.1	9.3	9.3	6.1	6.1			7.1	7.1	8	8
						6.7	0.2	334	26.3	26.3	8.0	8.0	31.3	31.3	89.5	89.5	6.1	6.1	9.3	9.3	6.1	6.1			7.1	7.1	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**

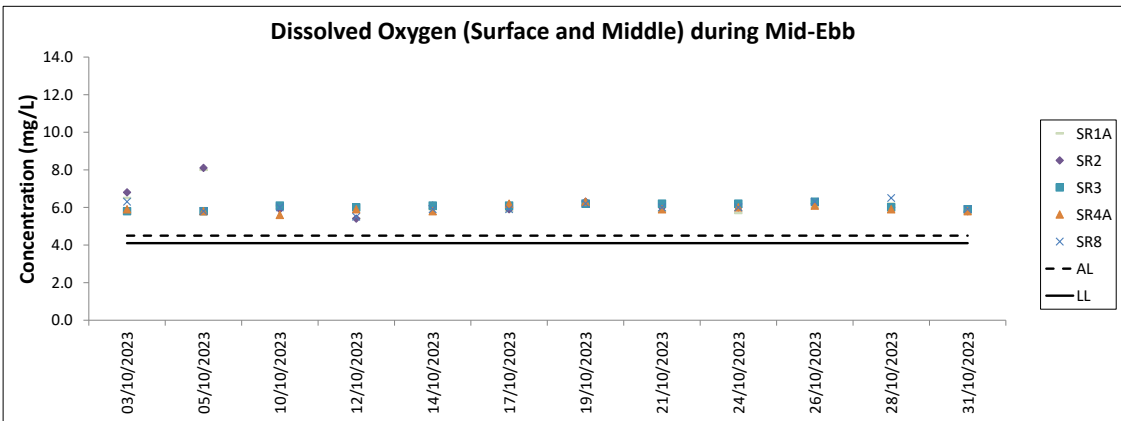
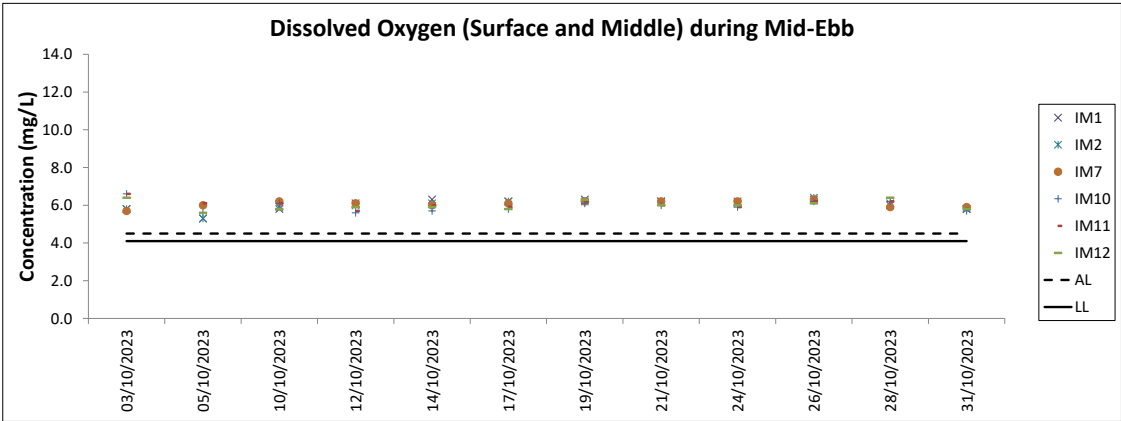
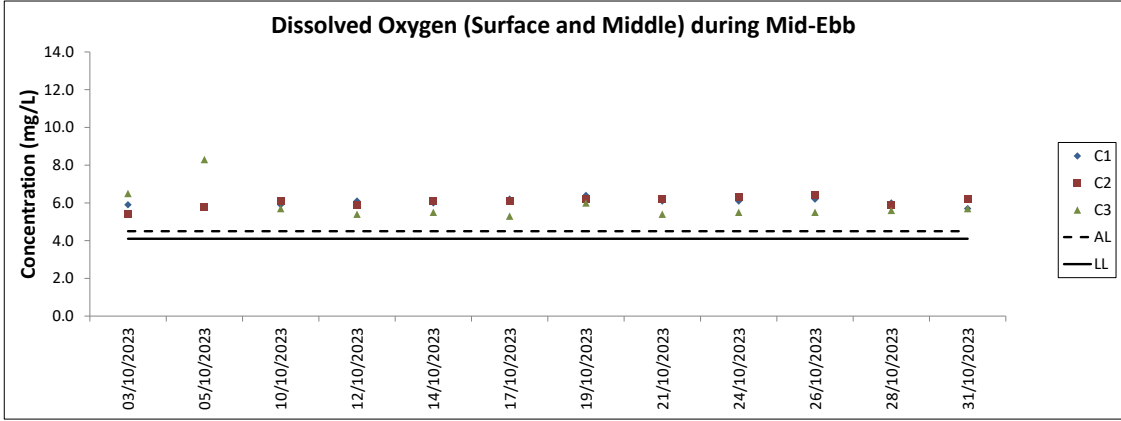
**Water Quality Monitoring**

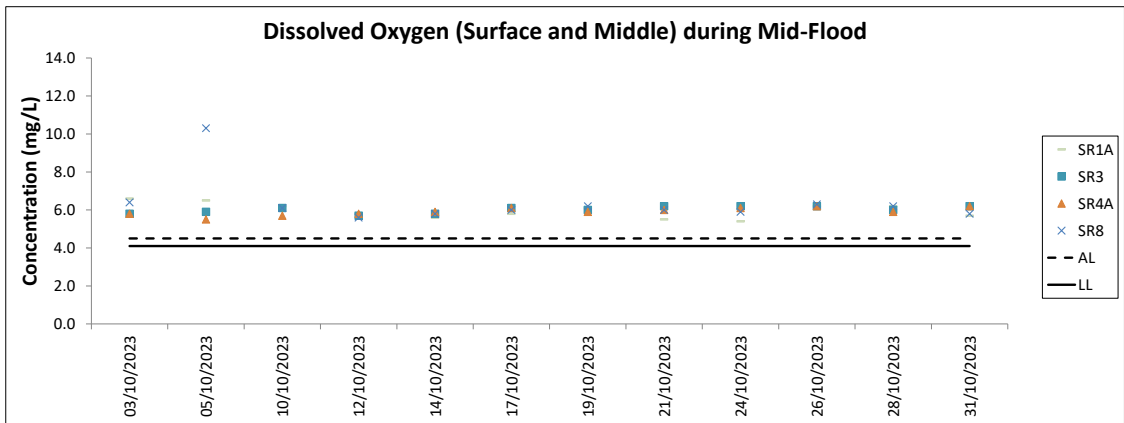
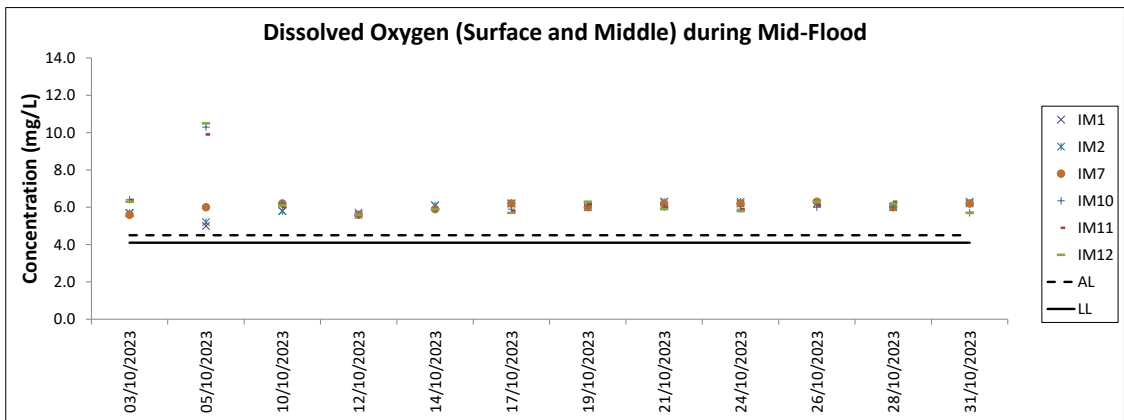
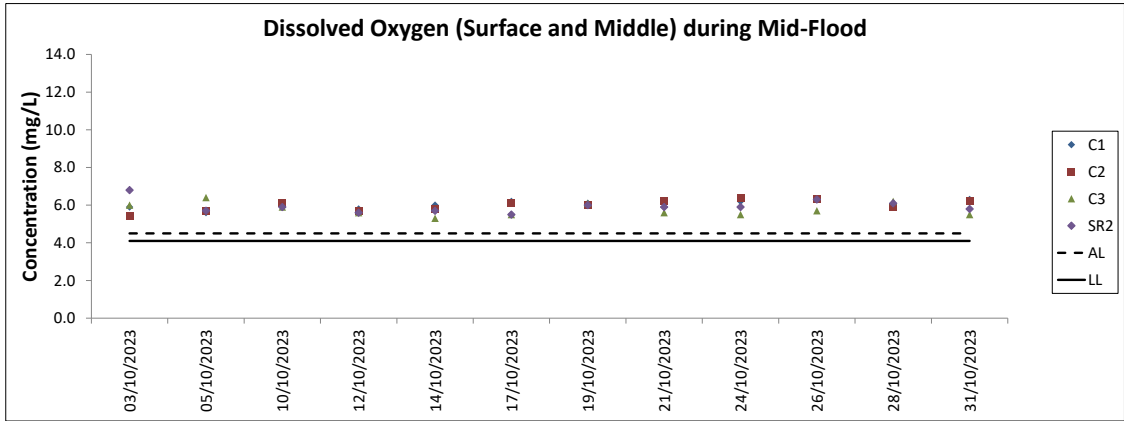
**Water Quality Monitoring Results on 31 October 23 during Mid-Flood Tide**

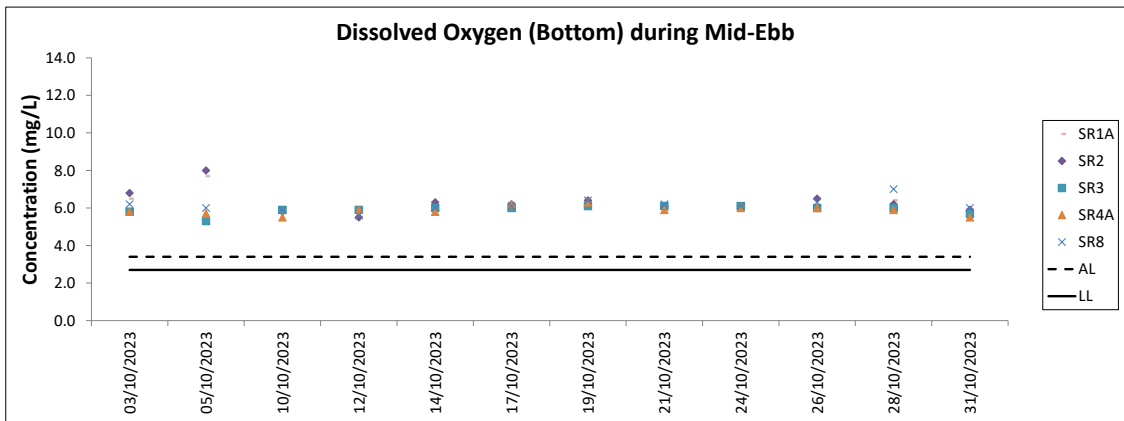
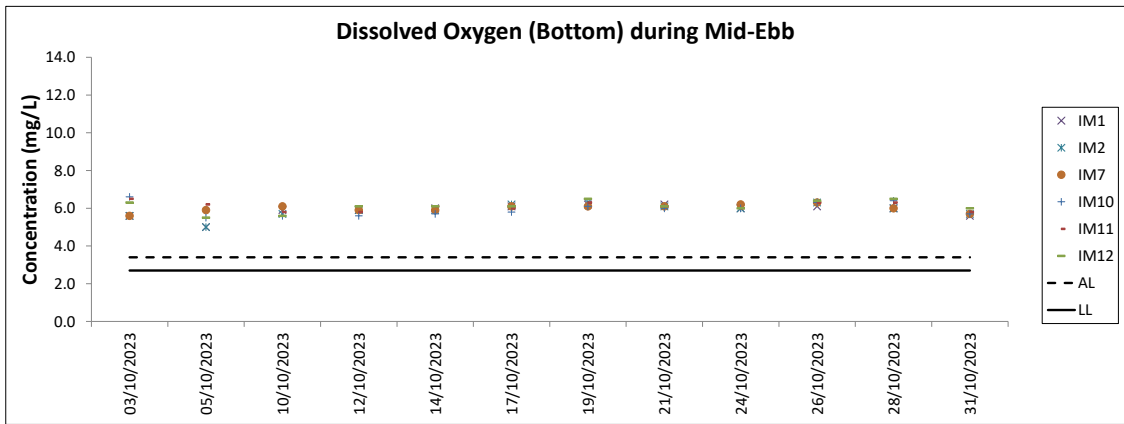
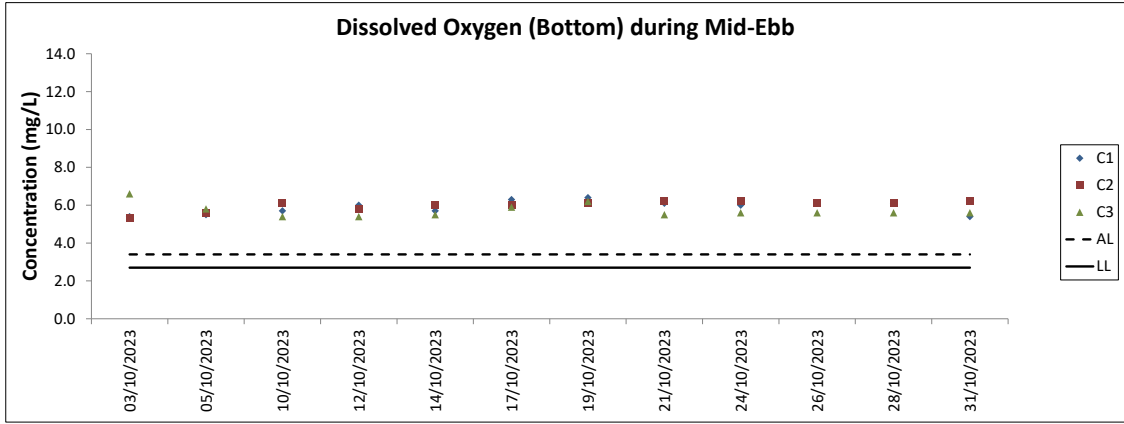
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	09:17	8.3	Surface	1.0	0.5	302	26.0	26.0	8.1	8.1	28.4	28.4	82.6	82.6	5.7	5.7	6.7	8.8	9	9	82240	809825
						1.0	0.5	298	26.0		8.1		28.4		82.6		5.7		7.1					
					Middle	4.2	0.5	297	25.9	8.1	8.1	28.4	28.4	82.7	82.7	5.7	5.7	9.8						
						4.2	0.5	296	25.9	8.1	8.1	28.4	28.4	82.7	82.7	5.7	5.7	9.7						
					Bottom	7.3	0.4	315	25.9	8.1	8.1	28.4	28.4	83.2	83.3	5.8	5.8	9.7						
						7.3	0.4	310	25.9	8.1	8.1	28.4	28.4	83.3	83.3	5.8	5.8	9.6						
IM11	Sunny	Moderate	09:10	8.2	Surface	1.0	0.6	274	26.1	26.1	8.1	8.1	28.5	28.5	83.1	83.1	5.7	5.7	3.4	4.6	9	8	821494	810534
						1.0	0.5	273	26.1		8.1		28.5		83.1		5.7		3.5					
					Middle	4.1	0.5	293	26.0	8.1	8.1	28.5	28.5	82.6	82.7	5.7	5.7	4.6						
						4.1	0.5	300	25.9	8.1	8.1	28.5	28.5	82.7	82.7	5.7	5.7	4.7						
					Bottom	7.2	0.5	274	25.9	8.1	8.1	28.5	28.5	83.1	83.2	5.7	5.8	5.5						
						7.2	0.6	273	25.9	8.1	8.1	28.5	28.5	83.2	83.2	5.8	5.8	5.7						
IM12	Sunny	Moderate	09:06	8.0	Surface	1.0	0.5	286	26.0	26.0	8.1	8.1	28.5	28.5	82.8	82.8	5.7	5.7	3.7	4.2	8	8	821174	811507
						1.0	0.6	292	26.0		8.1		28.5		82.8		5.7		3.8					
					Middle	4.0	0.5	283	26.0	8.1	8.1	28.5	28.5	82.8	82.8	5.7	5.7	4.1						
						4.0	0.6	275	26.0	8.1	8.1	28.5	28.5	82.8	82.8	5.7	5.7	4.1						
					Bottom	7.0	0.5	266	26.0	8.1	8.1	28.5	28.5	82.9	83.0	5.7	5.7	4.9						
						7.0	0.5	266	26.0	8.1	8.1	28.5	28.5	83.0	83.0	5.7	5.7	4.9						
SR1A	Sunny	Moderate	08:37	5.6	Surface	1.0	0.0	207	26.0	26.0	8.1	8.1	28.5	28.5	82.3	82.3	5.7	5.7	3.7	3.9	7	7	819972	812655
						1.0	0.0	203	26.0		8.1		28.6		82.2		82.3		5.7		3.7			
					Middle	2.8	0.0	195	-	-	-	-	-	-	-	-	-	-	-					
						2.8	0.0	188	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.6	0.0	213	25.9	8.1	8.1	28.6	28.6	82.5	82.6	5.7	5.7	4.1						
						4.6	0.0	218	25.9	8.1	8.1	28.6	28.6	82.7	82.6	5.7	5.7	4.2						
SR2	Sunny	Moderate	08:22	4.9	Surface	1.0	0.1	255	26.0	26.0	8.1	8.1	28.5	28.5	84.5	84.5	5.8	5.8	6.4	9.1	7	7	821439	814180
						1.0	0.1	247	26.0		8.1		28.5		84.5		84.5		5.8		7.3			
					Middle	-	0.1	241	-	-	-	-	-	-	-	-	-	-						
						-	0.1	238	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.9	0.2	225	26.0	8.1	8.1	28.5	28.5	85.4	85.5	5.9	5.9	11.7						
						3.9	0.2	228	26.0	8.1	8.1	28.5	28.5	85.5	85.5	5.9	5.9	11.2						
SR3	Sunny	Moderate	09:23	8.2	Surface	1.0	0.4	343	26.7	26.7	8.1	8.1	30.4	30.4	93.7	93.7	6.3	6.2	2.6	4.1	8	9	822144	807567
						1.0	0.4	338	26.7		8.1		30.4		93.7		6.3		2.7					
					Middle	4.1	0.4	351	26.4	8.1	8.1	31.1	31.1	90.0	90.0	6.1	6.1	4.3						
						4.1	0.3	355	26.4	8.1	8.1	31.1	31.1	89.9	89.2	6.1	6.1	4.3						
					Bottom	7.2	0.4	340	26.4	8.0	8.0	31.3	31.3	89.2	89.2	6.0	6.0	5.3						
						7.2	0.4	334	26.4	8.0	8.0	31.3	31.3	89.2	89.2	6.0	6.0	5.3						
SR4A	Sunny	Moderate	07:35	8.9	Surface	1.0	0.0	230	26.5	26.5	8.1	8.1	30.8	30.8	91.2	91.2	6.2	6.2	5.8	6.7	7	8	817211	807810
						1.0	0.0	233	26.5		8.1		30.8		91.1		91.2		6.2		5.9			
					Middle	4.5	0.0	211	26.5	8.1	8.1	30.9	30.9	90.8	90.8	6.1	6.1	6.6						
						4.5	0.0	206	26.5	8.1	8.1	30.9	30.9	90.8	90.8	6.1	6.1	6.7						
					Bottom	7.9	0.1	234	26.5	8.1	8.1	30.9	30.9	90.8	90.8	6.1	6.1	7.7						
						7.9	0.0	234	26.5	8.1	8.1	30.9	30.9	90.8	90.8	6.1	6.1	7.8						
SR8	Sunny	Moderate	08:59	5.8	Surface	1.0	-	-	26.0	26.0	8.1	8.1	28.5	28.5	83.4	83.4	5.8	5.8	3.2	4.5	7	7	820405	811625
						1.0	-	-	26.0		8.1		28.5		83.3		83.4		5.8		3.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.8	-	-	25.9	8.1	8.1	28.5	28.5	83.6	83.7	5.8	5.8	5.6						
						4.8	-	-	25.9	8.1	8.1	28.5	28.5	83.7	83.7	5.8	5.8	5.8						

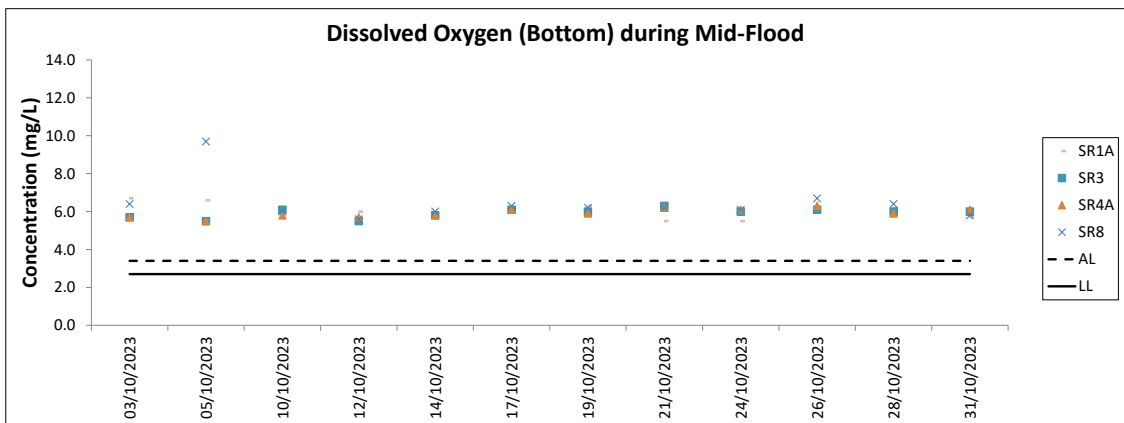
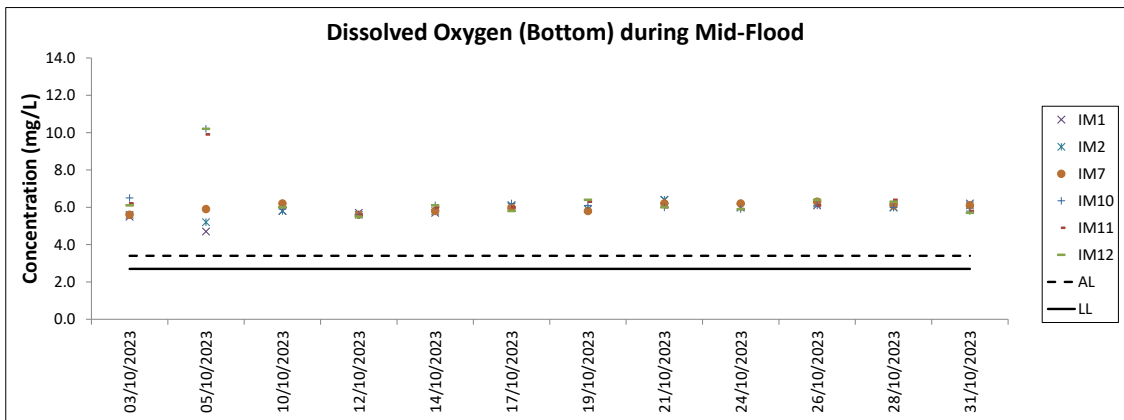
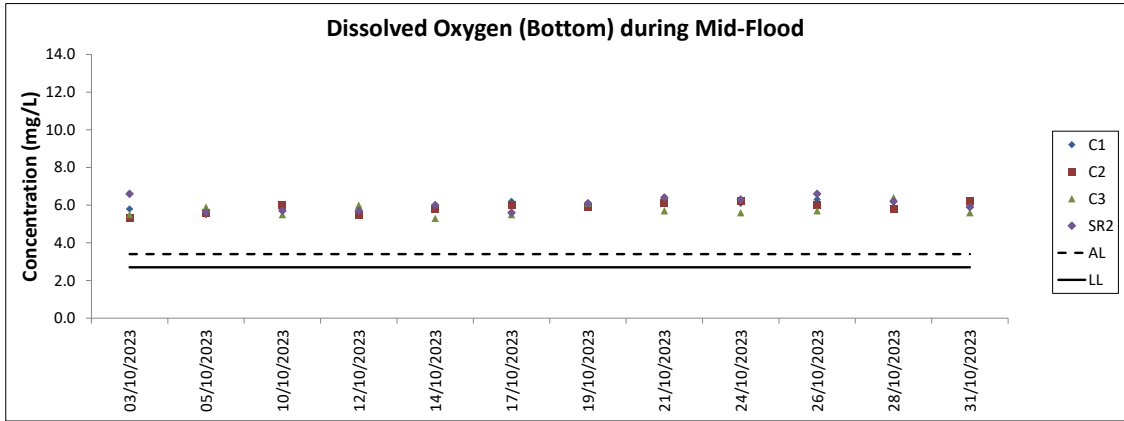
DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
 Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

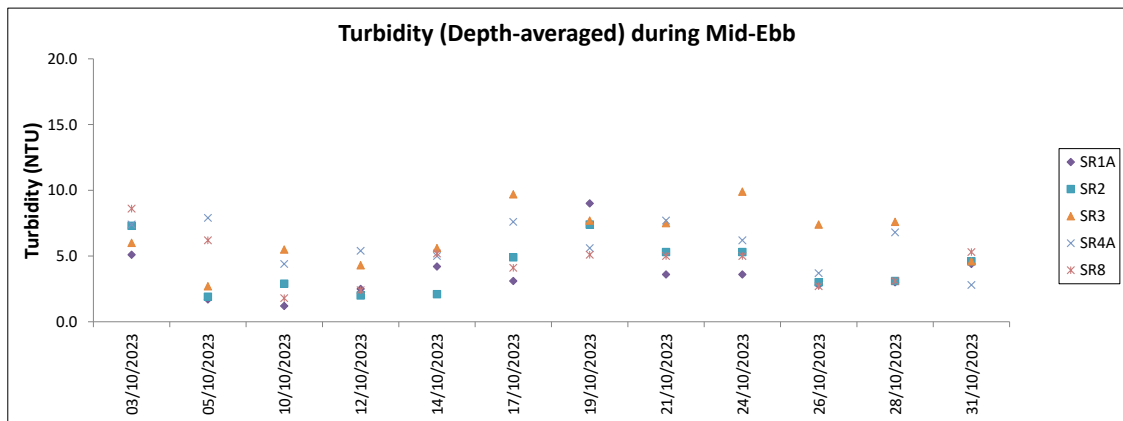
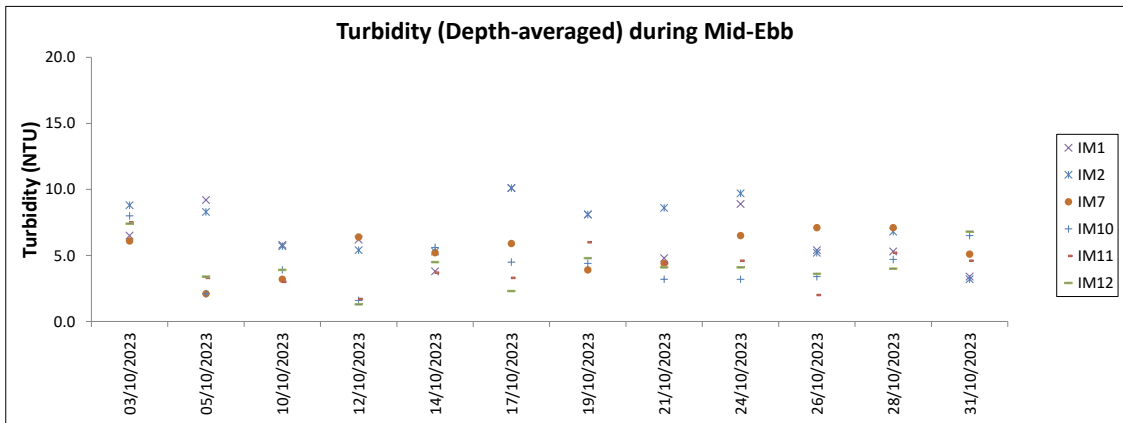
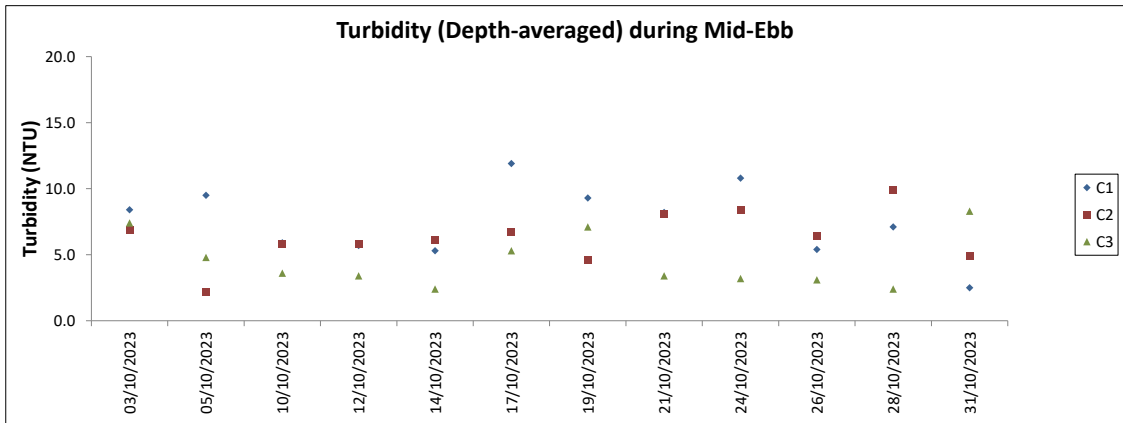




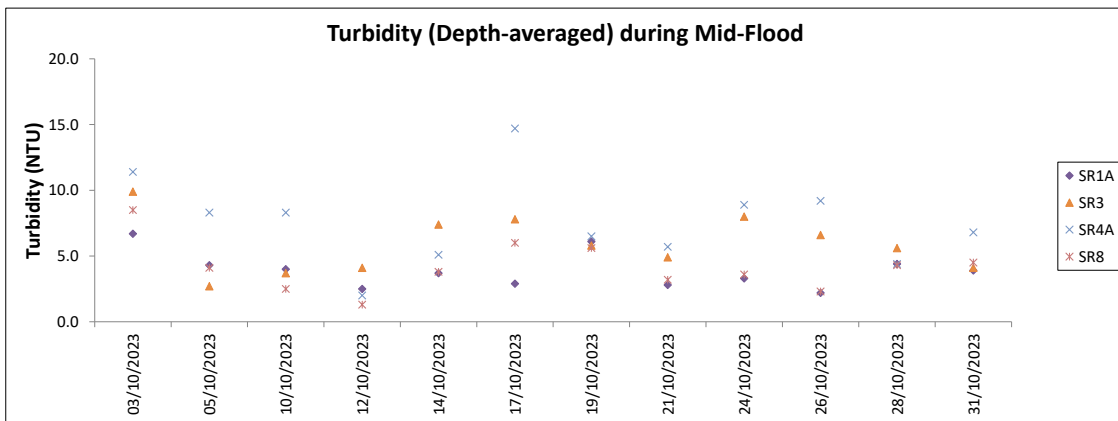
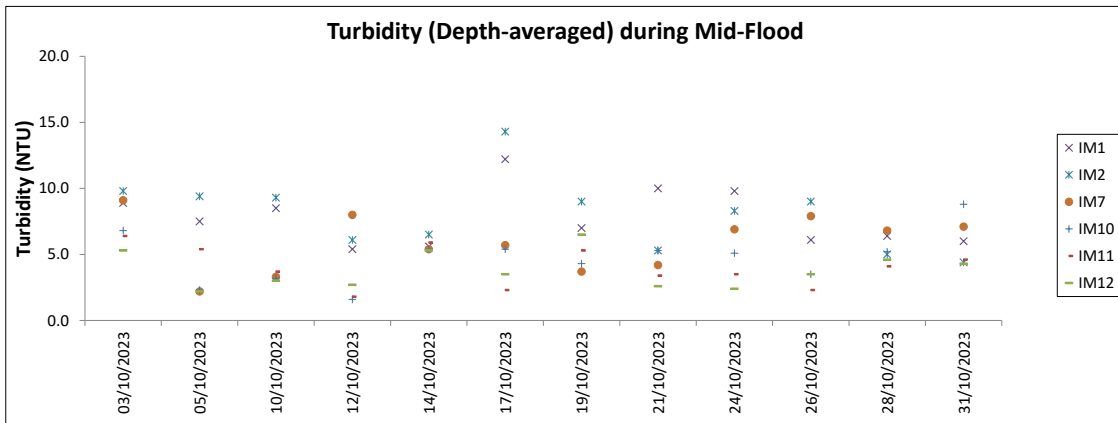
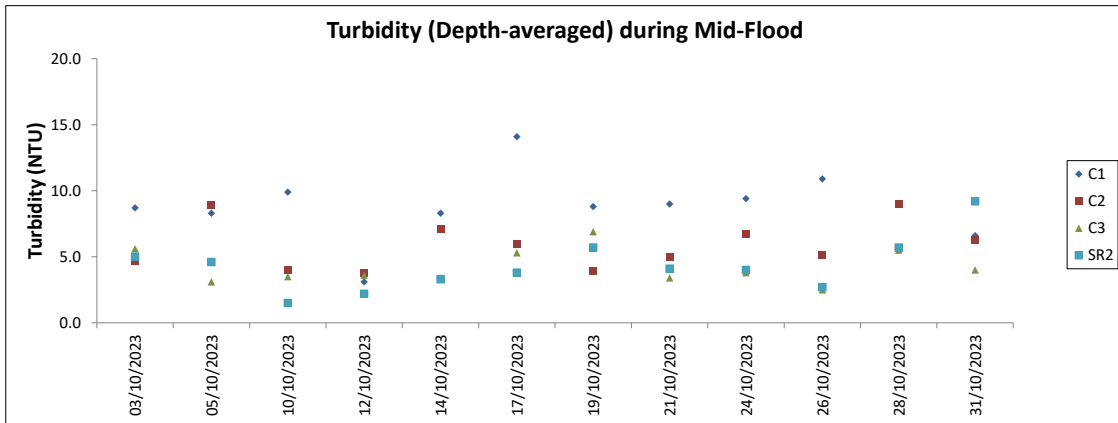




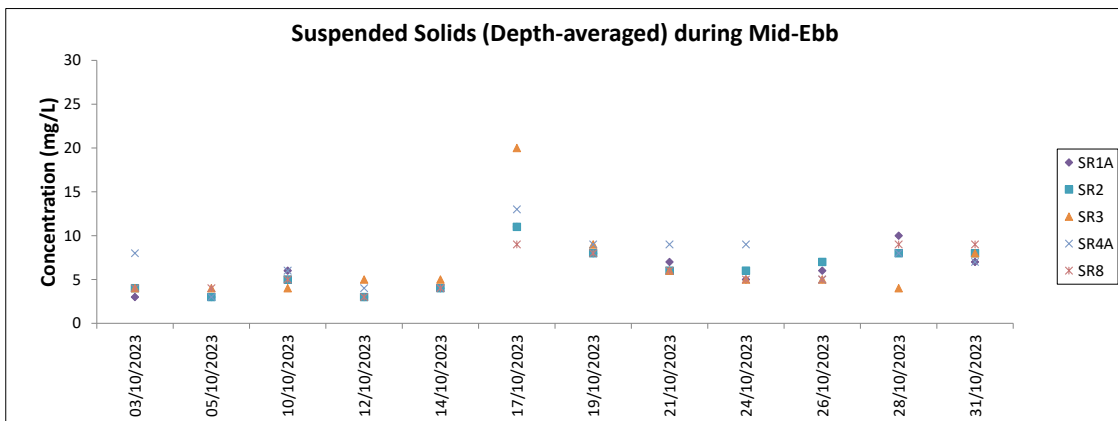
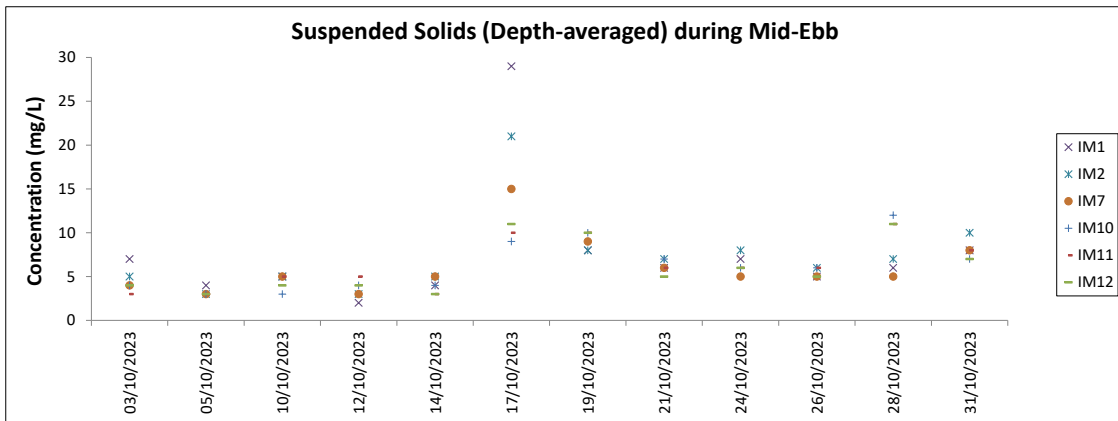
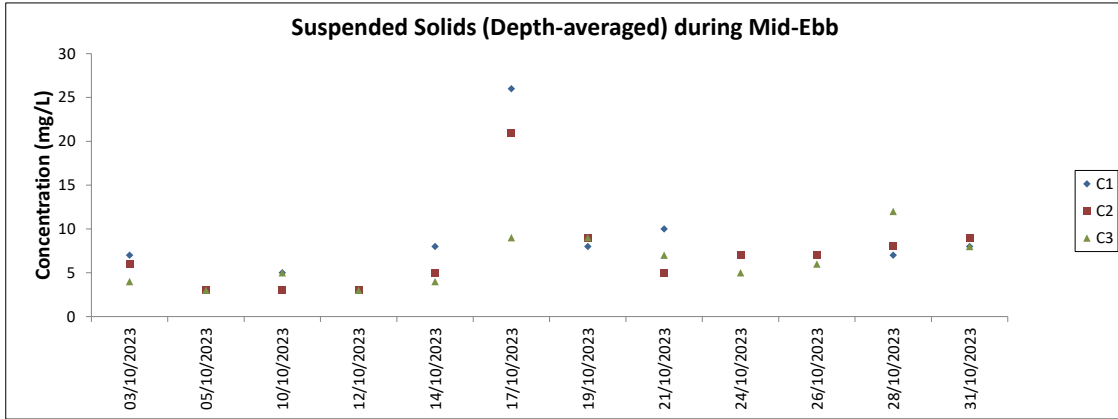




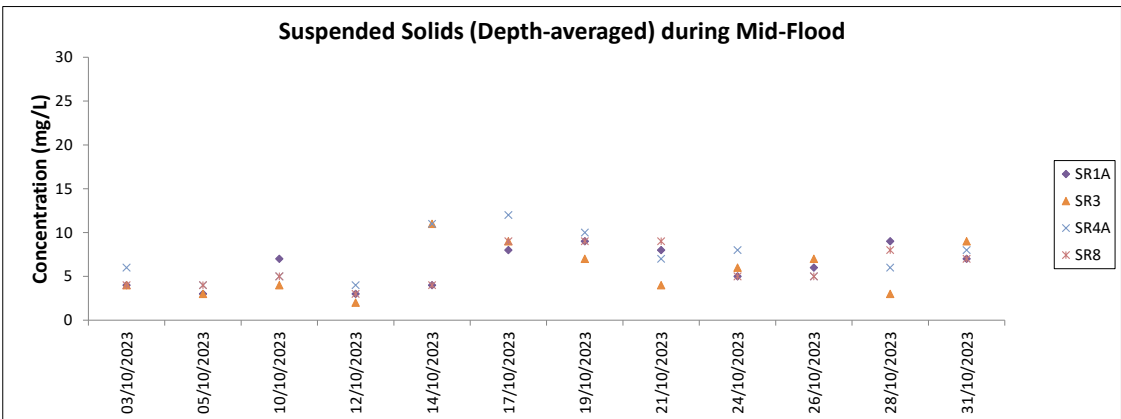
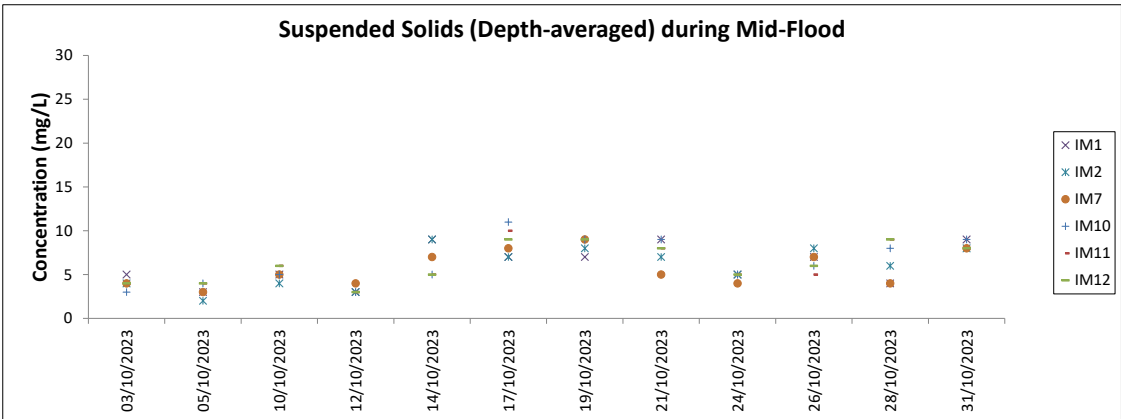
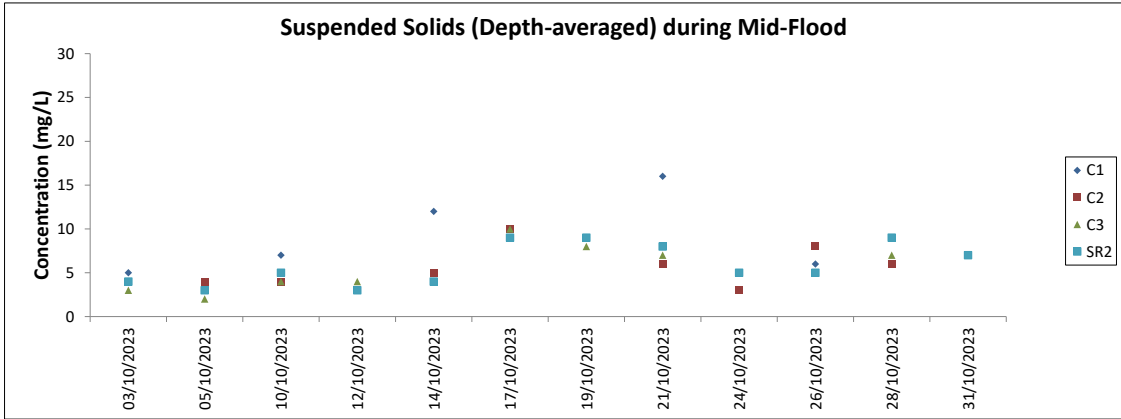
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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



# Chinese White Dolphin Monitoring Results

## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
02-Aug-23	SWL	2	35.924	SUMMER	32166	3RS ET	P
02-Aug-23	SWL	3	14.605	SUMMER	32166	3RS ET	P
02-Aug-23	SWL	2	13.071	SUMMER	32166	3RS ET	S
02-Aug-23	SWL	3	2.370	SUMMER	32166	3RS ET	S
03-Aug-23	SWL	2	50.260	SUMMER	32166	3RS ET	P
03-Aug-23	SWL	3	3.500	SUMMER	32166	3RS ET	P
03-Aug-23	SWL	2	14.140	SUMMER	32166	3RS ET	S
03-Aug-23	SWL	3	1.100	SUMMER	32166	3RS ET	S
08-Aug-23	AW	2	4.770	SUMMER	32166	3RS ET	P
08-Aug-23	WL	2	5.650	SUMMER	32166	3RS ET	P
08-Aug-23	WL	3	13.958	SUMMER	32166	3RS ET	P
08-Aug-23	WL	2	3.236	SUMMER	32166	3RS ET	S
08-Aug-23	WL	3	6.443	SUMMER	32166	3RS ET	S
09-Aug-23	NWL	1	3.200	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	2	58.200	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	3	2.100	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	1	12.2	SUMMER	32166	3RS ET	S
16-Aug-23	NEL	2	19.31	SUMMER	32166	3RS ET	P
16-Aug-23	NEL	3	17.6	SUMMER	32166	3RS ET	P
16-Aug-23	NEL	2	8.19	SUMMER	32166	3RS ET	S
16-Aug-23	NEL	3	1.8	SUMMER	32166	3RS ET	S
17-Aug-23	NEL	2	37.41	SUMMER	32166	3RS ET	P
17-Aug-23	NEL	2	9.99	SUMMER	32166	3RS ET	S
22-Aug-23	NWL	2	63.5	SUMMER	32166	3RS ET	P
22-Aug-23	NWL	2	12.2	SUMMER	32166	3RS ET	S
24-Aug-23	AW	2	4.8	SUMMER	32166	3RS ET	P
24-Aug-23	WL	2	13.49	SUMMER	32166	3RS ET	P
24-Aug-23	WL	3	6.15	SUMMER	32166	3RS ET	P
24-Aug-23	WL	2	6.47	SUMMER	32166	3RS ET	S
24-Aug-23	WL	3	3.42	SUMMER	32166	3RS ET	S
06-Sep-23	NEL	1	2.34	AUTUMN	32166	3RS ET	P
06-Sep-23	NEL	2	34.54	AUTUMN	32166	3RS ET	P
06-Sep-23	NEL	1	0.67	AUTUMN	32166	3RS ET	S
06-Sep-23	NEL	2	9.25	AUTUMN	32166	3RS ET	S
13-Sep-23	SWL	3	55.03	AUTUMN	32166	3RS ET	P
13-Sep-23	SWL	3	14.57	AUTUMN	32166	3RS ET	S
15-Sep-23	NEL	2	13.6	AUTUMN	32166	3RS ET	P
15-Sep-23	NEL	3	23.82	AUTUMN	32166	3RS ET	P
15-Sep-23	NEL	2	5.98	AUTUMN	32166	3RS ET	S
15-Sep-23	NEL	3	4.2	AUTUMN	32166	3RS ET	S
18-Sep-23	SWL	2	17.1	AUTUMN	32166	3RS ET	P
18-Sep-23	SWL	3	36.7	AUTUMN	32166	3RS ET	P
18-Sep-23	SWL	2	2.74	AUTUMN	32166	3RS ET	S
18-Sep-23	SWL	3	13	AUTUMN	32166	3RS ET	S
20-Sep-23	WL	1	9.19	AUTUMN	32166	3RS ET	P
20-Sep-23	WL	2	7.4	AUTUMN	32166	3RS ET	P
20-Sep-23	WL	3	1.904	AUTUMN	32166	3RS ET	P
20-Sep-23	WL	1	4.95	AUTUMN	32166	3RS ET	S
20-Sep-23	WL	2	4.11	AUTUMN	32166	3RS ET	S
20-Sep-23	WL	3	2.186	AUTUMN	32166	3RS ET	S
20-Sep-23	AW	1	4.63	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
21-Sep-23	AW	2	4.56	AUTUMN	32166	3RS ET	P
21-Sep-23	WL	1	3.93	AUTUMN	32166	3RS ET	P
21-Sep-23	WL	2	12.869	AUTUMN	32166	3RS ET	P
21-Sep-23	WL	2	11.546	AUTUMN	32166	3RS ET	S
22-Sep-23	NWL	2	63.9	AUTUMN	32166	3RS ET	P
22-Sep-23	NWL	2	12	AUTUMN	32166	3RS ET	S
25-Sep-23	NWL	2	1.62	AUTUMN	32166	3RS ET	P
25-Sep-23	NWL	3	43.48	AUTUMN	32166	3RS ET	P
25-Sep-23	NWL	4	18.2	AUTUMN	32166	3RS ET	P
25-Sep-23	NWL	3	8.9	AUTUMN	32166	3RS ET	S
25-Sep-23	NWL	4	3.2	AUTUMN	32166	3RS ET	S
06-Oct-23	NEL	2	26.24	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	3	10.33	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	4	0.77	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	2	6.37	AUTUMN	32166	3RS ET	S
06-Oct-23	NEL	3	4.39	AUTUMN	32166	3RS ET	S
12-Oct-23	NWL	2	11.4	AUTUMN	32166	3RS ET	P
12-Oct-23	NWL	3	52.8	AUTUMN	32166	3RS ET	P
12-Oct-23	NWL	2	4.3	AUTUMN	32166	3RS ET	S
12-Oct-23	NWL	3	7.3	AUTUMN	32166	3RS ET	S
13-Oct-23	AW	2	1.7	AUTUMN	32166	3RS ET	P
13-Oct-23	AW	3	3.03	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	2	11.126	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	3	7.776	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	2	4.944	AUTUMN	32166	3RS ET	S
13-Oct-23	WL	3	5.384	AUTUMN	32166	3RS ET	S
16-Oct-23	NWL	3	63.8	AUTUMN	32166	3RS ET	P
16-Oct-23	NWL	3	11.8	AUTUMN	32166	3RS ET	S
17-Oct-23	NEL	2	1.7	AUTUMN	32166	3RS ET	P
17-Oct-23	NEL	3	33.64	AUTUMN	32166	3RS ET	P
17-Oct-23	NEL	2	4.5	AUTUMN	32166	3RS ET	S
17-Oct-23	NEL	3	7.26	AUTUMN	32166	3RS ET	S
20-Oct-23	AW	3	4.52	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	2	4.763	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	3	15.33	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	2	2.967	AUTUMN	32166	3RS ET	S
20-Oct-23	WL	3	7.67	AUTUMN	32166	3RS ET	S
26-Oct-23	SWL	3	53.33	AUTUMN	32166	3RS ET	P
26-Oct-23	SWL	4	1.1	AUTUMN	32166	3RS ET	P
26-Oct-23	SWL	3	14.97	AUTUMN	32166	3RS ET	S
26-Oct-23	SWL	4	0.9	AUTUMN	32166	3RS ET	S
27-Oct-23	SWL	2	8.81	AUTUMN	32166	3RS ET	P
27-Oct-23	SWL	3	45.261	AUTUMN	32166	3RS ET	P
27-Oct-23	SWL	2	3.59	AUTUMN	32166	3RS ET	S
27-Oct-23	SWL	3	12.389	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
02-Aug-23	1	1023	CWD	1	SWL	2	477	ON	3RS ET	22.2085	113.93618	SUMMER	NONE	P
02-Aug-23	2	1202	FP	11	SWL	2	94	ON	3RS ET	22.1441	113.91764	SUMMER	NONE	P
02-Aug-23	3	1346	CWD	1	SWL	3	102	ON	3RS ET	22.2000	113.88808	SUMMER	NONE	P
02-Aug-23	4	1416	CWD	4	SWL	3	171	ON	3RS ET	22.1882	113.87865	SUMMER	NONE	P
02-Aug-23	5	1444	CWD	1	SWL	3	247	ON	3RS ET	22.1624	113.86891	SUMMER	NONE	P
02-Aug-23	6	1458	CWD	8	SWL	3	523	ON	3RS ET	22.1687	113.86881	SUMMER	NONE	P
02-Aug-23	7	1529	CWD	1	SWL	2	294	ON	3RS ET	22.1982	113.86840	SUMMER	PURSE SEINER	P
02-Aug-23	8	1549	CWD	3	SWL	2	225	ON	3RS ET	22.1934	113.85866	SUMMER	NONE	P
02-Aug-23	9	1605	CWD	2	SWL	2	202	ON	3RS ET	22.1849	113.85912	SUMMER	NONE	P
02-Aug-23	10	1630	CWD	8	SWL	2	272	ON	3RS ET	22.1906	113.84947	SUMMER	NONE	P
03-Aug-23	1	1152	FP	2	SWL	2	157	ON	3RS ET	22.1564	113.91727	SUMMER	NONE	P
03-Aug-23	2	1310	FP	3	SWL	2	208	ON	3RS ET	22.1495	113.89398	SUMMER	NONE	S
03-Aug-23	3	1352	CWD	4	SWL	2	346	ON	3RS ET	22.1949	113.87848	SUMMER	NONE	P
03-Aug-23	4	1523	CWD	5	SWL	3	343	ON	3RS ET	22.1889	113.85077	SUMMER	PURSE SEINER	P
08-Aug-23	1	1111	CWD	1	WL	2	108	ON	3RS ET	22.2234	113.83013	SUMMER	NONE	P
08-Aug-23	2	1131	CWD	2	WL	3	53	ON	3RS ET	22.2147	113.82890	SUMMER	NONE	P
08-Aug-23	3	1155	CWD	3	WL	2	473	ON	3RS ET	22.2055	113.82426	SUMMER	NONE	P
08-Aug-23	4	1213	CWD	3	WL	2	15	ON	3RS ET	22.2017	113.82381	SUMMER	NONE	S
08-Aug-23	5	1226	CWD	4	WL	3	23	ON	3RS ET	22.1974	113.82694	SUMMER	NONE	S
08-Aug-23	6	1256	CWD	6	WL	3	537	ON	3RS ET	22.1876	113.83260	SUMMER	NONE	P
24-Aug-23	1	1118	CWD	2	WL	3	108	ON	3RS ET	22.2176	113.81963	SUMMER	NONE	S
24-Aug-23	2	1147	CWD	2	WL	3	204	ON	3RS ET	22.2056	113.82862	SUMMER	NONE	P
13-Sep-23	1	1227	CWD	6	SWL	3	19	ON	3RS ET	22.188770	113.90627	AUTUMN	NONE	P
18-Sep-23	1	1029	FP	2	SWL	2	365	ON	3RS ET	22.197349	113.93566	AUTUMN	NONE	P
18-Sep-23	2	1037	FP	3	SWL	2	55	ON	3RS ET	22.184478	113.93564	AUTUMN	NONE	P
18-Sep-23	3	1053	FP	6	SWL	2	198	ON	3RS ET	22.153702	113.93678	AUTUMN	NONE	P
20-Sep-23	1	1030	CWD	2	WL	1	234	ON	3RS ET	22.261023	113.85093	AUTUMN	NONE	P
20-Sep-23	2	1042	CWD	2	WL	1	265	ON	3RS ET	22.260349	113.84229	AUTUMN	NONE	P
20-Sep-23	3	1112	CWD	1	WL	1	290	ON	3RS ET	22.241103	113.84425	AUTUMN	NONE	P
20-Sep-23	4	1124	CWD	1	WL	1	236	ON	3RS ET	22.241593	113.83484	AUTUMN	NONE	P
21-Sep-23	1	1034	CWD	3	WL	2	138	ON	3RS ET	22.261205	113.84683	AUTUMN	NONE	P
21-Sep-23	2	1122	CWD	3	WL	2	297	ON	3RS ET	22.223088	113.83525	AUTUMN	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
21-Sep-23	3	1156	CWD	6	WL	2	77	ON	3RS ET	22.214777	113.82498	AUTUMN	NONE	P
21-Sep-23	4	1223	CWD	1	WL	2	163	ON	3RS ET	22.206057	113.82903	AUTUMN	NONE	P
21-Sep-23	5	1231	CWD	2	WL	2	41	ON	3RS ET	22.205669	113.82487	AUTUMN	NONE	P
21-Sep-23	6	1247	CWD	1	WL	2	22	ON	3RS ET	22.196451	113.83561	AUTUMN	NONE	P
21-Sep-23	7	1254	CWD	3	WL	2	913	ON	3RS ET	22.193651	113.84263	AUTUMN	NONE	S
21-Sep-23	8	1319	CWD	1	WL	2	634	ON	3RS ET	22.187905	113.83346	AUTUMN	NONE	P
13-Oct-23	1	1028	CWD	2	WL	2	243	ON	3RS ET	22.260779	113.853468	AUTUMN	NONE	S
13-Oct-23	2	1043	CWD	2	WL	2	34	ON	3RS ET	22.260956	113.840829	AUTUMN	NONE	P
13-Oct-23	3	1058	CWD	1	WL	3	91	ON	3RS ET	22.250437	113.841275	AUTUMN	GILLNETTER	P
13-Oct-23	4	1117	CWD	9	WL	2	126	ON	3RS ET	22.241167	113.841706	AUTUMN	NONE	P
13-Oct-23	5	1149	CWD	3	WL	2	139	ON	3RS ET	22.241672	113.829845	AUTUMN	NONE	P
20-Oct-23	1	1149	CWD	2	WL	2	15	ON	3RS ET	22.196308	113.834539	AUTUMN	NONE	P
27-Oct-23	1	1202	FP	2	SWL	3	45	ON	3RS ET	22.151171	113.908504	AUTUMN	NONE	P
27-Oct-23	2	1216	CWD	1	SWL	2	128	ON	3RS ET	22.168029	113.906685	AUTUMN	NONE	S

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 453.39 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 7 on-effort sightings and total number of 20 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in October 2023 are shown as below:

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

$$STG = \frac{7}{453.39} \times 100 = 1.54$$

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

$$ANI = \frac{20}{453.39} \times 100 = 4.41$$

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

A total of 1333.16 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 39 on-effort sightings and total number of 113 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)









$$STG = \frac{39}{1333.16} \times 100 = 2.93$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)






$$ANI = \frac{113}{1333.16} \times 100 = 8.48$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM041_20231013_1_3	WLMM149_20231013_1_2
	
SLMM060_20231013_3_5	SLMM007_20231013_4_1
	
SLMM014_20231013_4_2	SLMM023_20231013_4_5
	
SLMM052_20231013_4_21	SLMM064_20231013_4_5



	
<p>WLMM007_20231013_4_2</p>	<p>WLMM109_20231013_4_4</p>
	
<p>WLMM192_20231013_4_2_Left</p>	<p>NLMM023_20231020_1_1</p>
	
<p>SLMM037_20231027_2_5</p>	



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

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
05/Oct/23	Lung Kwu Chau	8:54	14:54	6:00	3	1	0	0
11/Oct/23	Sha Chau	10:44	16:44	6:00	2	1	0	0

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