

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

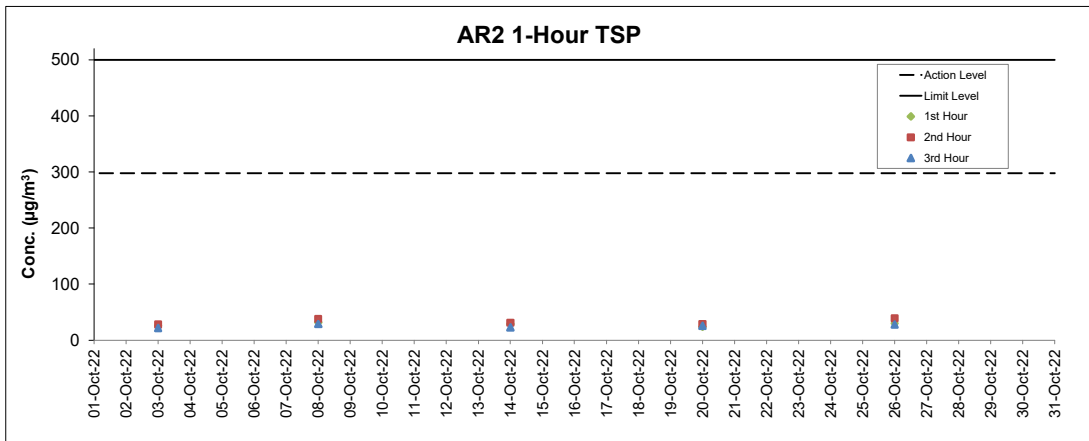
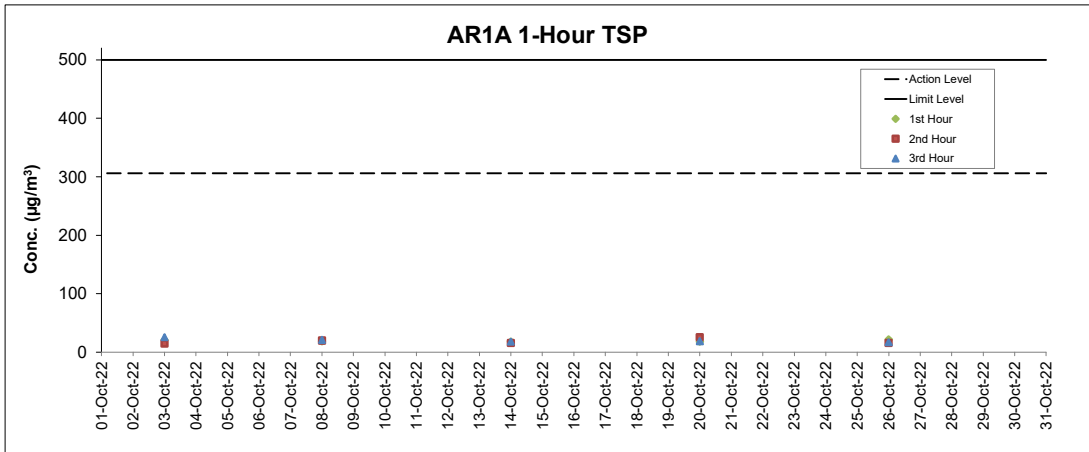
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
3-Oct-22	12:52	Sunny	3.9	173	21	306	500
3-Oct-22	13:52	Sunny	2.8	Variable	15	306	500
3-Oct-22	14:52	Sunny	3.3	108	26	306	500
8-Oct-22	12:33	Sunny	3.1	55	19	306	500
8-Oct-22	13:33	Sunny	3.3	80	20	306	500
8-Oct-22	14:33	Sunny	3.9	100	21	306	500
14-Oct-22	12:38	Sunny	2.8	Variable	18	306	500
14-Oct-22	13:38	Sunny	3.1	326	16	306	500
14-Oct-22	14:38	Sunny	5.3	268	18	306	500
20-Oct-22	12:47	Sunny	6.1	105	18	306	500
20-Oct-22	13:47	Sunny	5.8	116	26	306	500
20-Oct-22	14:47	Sunny	4.7	108	19	306	500
26-Oct-22	13:03	Sunny	4.2	92	22	306	500
26-Oct-22	14:03	Sunny	3.3	137	16	306	500
26-Oct-22	15:03	Sunny	5.3	263	17	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
3-Oct-22	8:41	Sunny	3.3	50	26	298	500
3-Oct-22	9:41	Sunny	3.3	52	28	298	500
3-Oct-22	10:41	Sunny	3.3	61	22	298	500
8-Oct-22	8:41	Sunny	4.7	60	32	298	500
8-Oct-22	9:41	Sunny	3.9	34	38	298	500
8-Oct-22	10:41	Sunny	3.3	30	29	298	500
14-Oct-22	8:46	Sunny	5.3	56	29	298	500
14-Oct-22	9:46	Sunny	4.2	40	31	298	500
14-Oct-22	10:46	Sunny	2.8	48	23	298	500
20-Oct-22	8:51	Sunny	7.5	75	24	298	500
20-Oct-22	9:51	Sunny	6.7	75	29	298	500
20-Oct-22	10:51	Sunny	5.6	84	26	298	500
26-Oct-22	8:46	Sunny	6.4	84	30	298	500
26-Oct-22	9:46	Sunny	4.9	82	39	298	500
26-Oct-22	10:46	Sunny	4.2	53	28	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 ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
3-Oct-22	Sunny	12:24	56.9	52.5	59
3-Oct-22	Sunny	12:29	57.7	52.9	
3-Oct-22	Sunny	12:34	57.0	53.1	
3-Oct-22	Sunny	12:39	56.8	53.1	
3-Oct-22	Sunny	12:44	57.1	53.1	
3-Oct-22	Sunny	12:49	56.7	53.2	67
14-Oct-22	Sunny	13:49	65.0	50.2	
14-Oct-22	Sunny	13:56	67.8	49.2	
14-Oct-22	Sunny	14:01	68.0	52.3	
14-Oct-22	Sunny	14:07	68.1	51.2	
14-Oct-22	Sunny	14:20	68.2	50.9	
14-Oct-22	Sunny	14:25	55.5	48.0	66
20-Oct-22	Sunny	12:29	63.8	55.7	
20-Oct-22	Sunny	12:34	63.2	57.0	
20-Oct-22	Sunny	12:39	63.9	58.6	
20-Oct-22	Sunny	12:44	64.7	52.9	
20-Oct-22	Sunny	12:49	68.4	61.1	
20-Oct-22	Sunny	12:54	67.5	62.1	64
26-Oct-22	Sunny	12:11	62.3	54.4	
26-Oct-22	Sunny	12:16	63.3	55.4	
26-Oct-22	Sunny	12:21	63.2	56.1	
26-Oct-22	Sunny	12:26	63.6	57.5	
26-Oct-22	Sunny	12:31	62.9	55.5	
26-Oct-22	Sunny	12:36	62.8	56.4	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
5-Oct-22	Sunny	12:16	64.8	60.8	69*
5-Oct-22	Sunny	12:21	65.1	60.6	
5-Oct-22	Sunny	12:26	65.5	61.4	
5-Oct-22	Sunny	12:31	64.7	61.9	
5-Oct-22	Sunny	12:36	63.0	60.6	
5-Oct-22	Sunny	12:41	63.6	60.4	
7-Oct-22	Sunny	12:31	57.0	54.4	61
7-Oct-22	Sunny	12:36	58.8	55.0	
7-Oct-22	Sunny	12:41	57.6	53.4	
7-Oct-22	Sunny	12:46	56.0	53.3	
7-Oct-22	Sunny	12:51	55.2	53.6	
7-Oct-22	Sunny	12:56	55.0	53.8	
13-Oct-22	Sunny	8:06	60.1	53.3	63
13-Oct-22	Sunny	8:11	61.7	55.3	
13-Oct-22	Sunny	8:16	61.8	54.6	
13-Oct-22	Sunny	8:22	61.3	54.4	
13-Oct-22	Sunny	8:27	62.4	55.2	
13-Oct-22	Sunny	8:32	60.6	52.4	
21-Oct-22	Sunny	9:30	60.3	57.0	64*
21-Oct-22	Sunny	9:35	60.4	57.2	
21-Oct-22	Sunny	9:40	61.4	57.4	
21-Oct-22	Sunny	9:45	62.0	58.1	
21-Oct-22	Sunny	9:50	62.6	58.5	
21-Oct-22	Sunny	9:55	59.7	57.3	
28-Oct-22	Sunny	11:15	61.8	57.8	66
28-Oct-22	Sunny	11:20	63.1	58.3	
28-Oct-22	Sunny	11:25	63.4	58.8	
28-Oct-22	Sunny	11:30	62.4	57.7	
28-Oct-22	Sunny	11:35	67.7	57.5	
28-Oct-22	Sunny	11:40	63.2	58.4	

Remarks:

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

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
3-Oct-22	Sunny	9:47	52.0	48.8	54
3-Oct-22	Sunny	9:52	51.2	48.9	
3-Oct-22	Sunny	9:57	51.6	49.2	
3-Oct-22	Sunny	10:02	51.0	48.8	
3-Oct-22	Sunny	10:07	51.2	49.1	
3-Oct-22	Sunny	10:12	51.5	48.9	
14-Oct-22	Sunny	9:02	54.9	52.5	53*
14-Oct-22	Sunny	9:07	54.9	52.6	
14-Oct-22	Sunny	9:12	58.0	52.9	
14-Oct-22	Sunny	9:17	59.9	53.1	
14-Oct-22	Sunny	9:22	59.5	52.9	
14-Oct-22	Sunny	9:27	59.4	53.4	
20-Oct-22	Sunny	8:45	64.5	53.5	61*
20-Oct-22	Sunny	8:50	56.2	52.6	
20-Oct-22	Sunny	8:55	62.3	52.5	
20-Oct-22	Sunny	9:00	62.8	52.9	
20-Oct-22	Sunny	9:05	63.6	52.6	
20-Oct-22	Sunny	9:10	61.8	54.2	
26-Oct-22	Sunny	8:15	53.0	52.2	57*
26-Oct-22	Sunny	8:20	53.2	52.0	
26-Oct-22	Sunny	8:25	52.8	51.9	
26-Oct-22	Sunny	8:30	53.6	52.2	
26-Oct-22	Sunny	8:35	52.9	52.1	
26-Oct-22	Sunny	8:40	53.1	52.1	

Remarks:

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

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

Noise Measurement Results

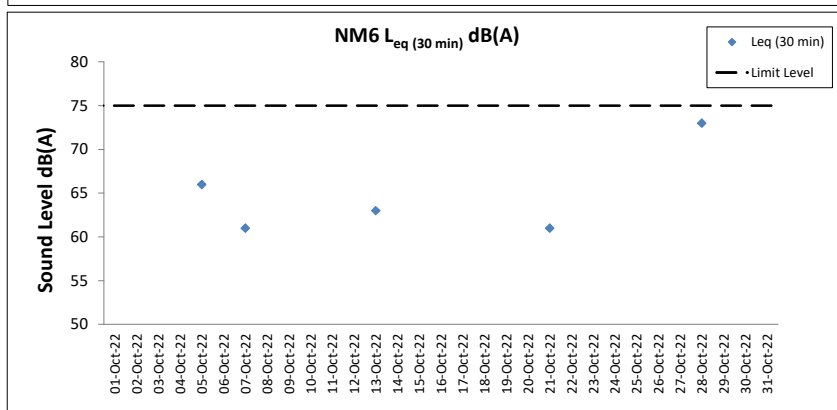
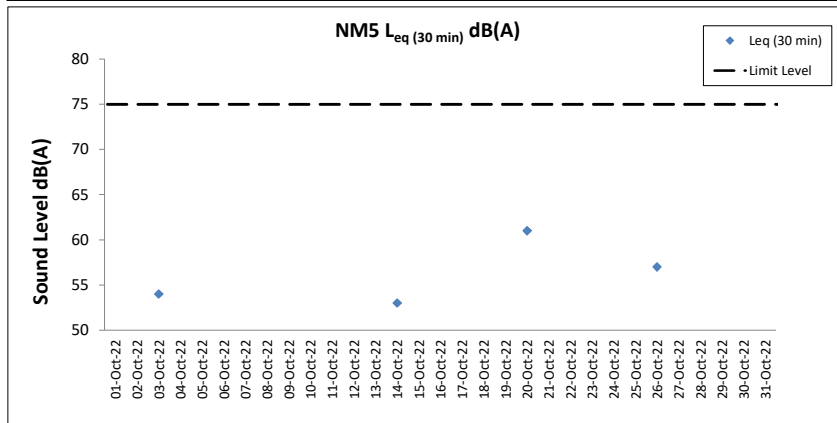
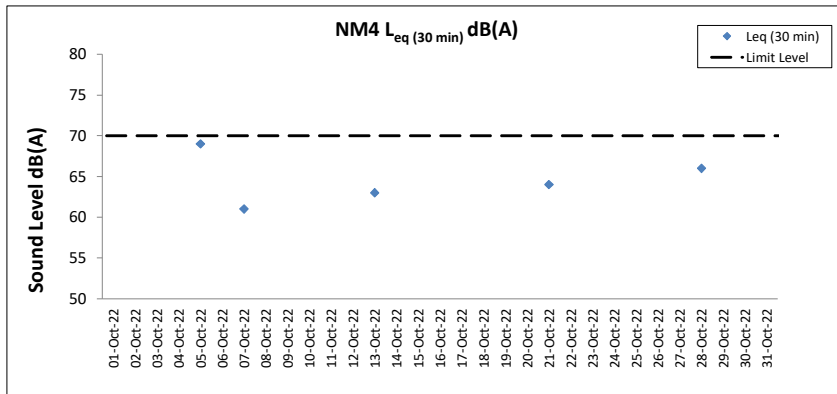
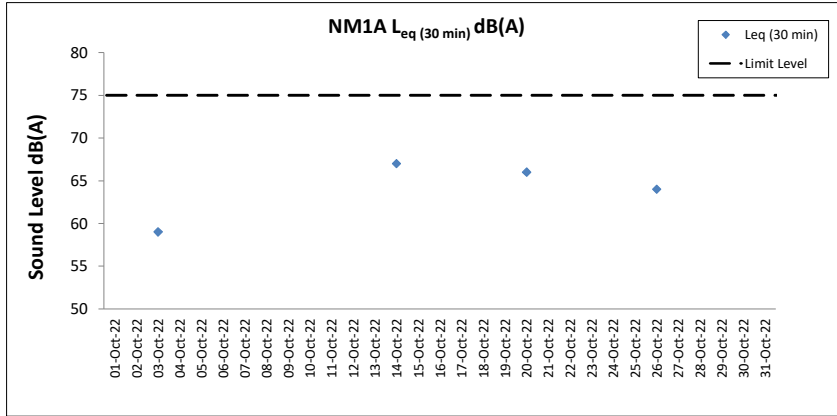
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
5-Oct-22	Sunny	15:19	67.0	52.8	66
5-Oct-22	Sunny	15:24	65.6	53.6	
5-Oct-22	Sunny	15:29	67.0	53.9	
5-Oct-22	Sunny	15:34	63.6	52.3	
5-Oct-22	Sunny	15:39	63.4	52.0	
5-Oct-22	Sunny	15:44	53.7	52.0	
7-Oct-22	Sunny	14:51	65.7	50.9	61
7-Oct-22	Sunny	14:56	59.9	54.3	
7-Oct-22	Sunny	15:01	59.2	53.6	
7-Oct-22	Sunny	15:06	57.8	53.4	
7-Oct-22	Sunny	15:11	55.0	51.4	
7-Oct-22	Sunny	15:16	53.3	52.0	
13-Oct-22	Sunny	10:07	61.3	49.0	63
13-Oct-22	Sunny	10:12	57.0	52.3	
13-Oct-22	Sunny	10:17	57.1	51.3	
13-Oct-22	Sunny	10:22	58.5	53.0	
13-Oct-22	Sunny	10:29	56.6	52.9	
13-Oct-22	Sunny	10:35	56.2	52.5	
21-Oct-22	Sunny	11:26	56.4	52.3	61
21-Oct-22	Sunny	11:31	56.8	51.7	
21-Oct-22	Sunny	11:36	61.6	53.0	
21-Oct-22	Sunny	11:42	61.3	53.7	
21-Oct-22	Sunny	11:47	62.0	53.2	
21-Oct-22	Sunny	11:52	60.7	54.1	
28-Oct-22	Sunny	9:42	72.4	55.7	73*
28-Oct-22	Sunny	9:47	71.7	61.5	
28-Oct-22	Sunny	9:52	74.4	59.2	
28-Oct-22	Sunny	9:57	77.2	56.8	
28-Oct-22	Sunny	10:02	68.1	55.1	
28-Oct-22	Sunny	10:07	77.2	57.1	

Remarks:

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

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



Notes

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

Water Quality Monitoring Results

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Rough	16:47	8.2	Surface	1.0	0.2	206	<u>27.6</u>	27.6	8.2	8.2	<u>28.9</u>	28.9	<u>85.7</u>	85.7	5.8	5.7	8.6	11.4	9	9	815603	804229
						1.0	0.1	210	27.6		8.2		<u>28.9</u>		85.6		5.7		8.5		10			
					Middle	4.1	0.2	195	<u>27.4</u>	8.2	8.2	<u>29.0</u>	29.0	<u>84.7</u>	84.6	5.7	11.5	10						
						4.1	0.1	188	27.4	8.2	8.2	<u>29.0</u>	29.0	<u>84.5</u>	84.6	5.7	11.6	9						
					Bottom	7.2	0.2	197	<u>27.3</u>	27.3	8.2	8.2	<u>29.1</u>	29.1	<u>84.0</u>	84.1	5.7	5.7	14.1	9				
						7.2	0.2	197	27.3		8.2		<u>29.1</u>		<u>84.1</u>		5.7		14.1	9				
C2	Fine	Rough	14:58	9.2	Surface	1.0	0.1	354	<u>28.0</u>	28.0	8.1	8.1	<u>26.4</u>	26.4	<u>80.2</u>	80.2	5.4	5.4	4.9	6.9	9	11	825671	806959
						1.0	0.1	349	28.0		8.1		<u>26.4</u>		80.2		5.4		4.9		10			
					Middle	4.6	0.1	346	<u>27.7</u>	27.7	8.1	8.1	<u>26.6</u>	26.6	<u>78.4</u>	78.4	5.3	5.3	5.5		10			
						4.6	0.1	340	27.7		8.1		<u>26.6</u>		<u>78.4</u>		5.3		5.6		10			
					Bottom	8.2	0.1	348	<u>27.3</u>	27.3	8.2	8.2	<u>28.5</u>	28.6	<u>81.2</u>	81.2	5.5	5.5	10.1		12			
						8.2	0.1	351	27.3		8.2		<u>28.6</u>		<u>81.2</u>		5.5		10.2		12			
C3	Misty	Moderate	16:04	9.0	Surface	1.0	0.1	83	<u>28.0</u>	28.0	8.1	8.1	<u>32.3</u>	32.3	<u>81.2</u>	81.3	5.3	5.4	5.0	5.6	10	9	822090	817810
						1.0	0.1	86	27.9		8.1		<u>32.3</u>		81.3		5.3		5.0		11			
					Middle	4.5	0.1	88	<u>27.9</u>	27.9	8.1	8.1	<u>32.4</u>	32.4	<u>81.9</u>	82.1	5.4	5.4	5.6		9			
						4.5	0.1	85	27.9		8.1		<u>32.4</u>		<u>82.2</u>		5.4		5.5		9			
					Bottom	8.0	0.2	89	<u>27.9</u>	27.9	8.2	8.2	<u>32.4</u>	32.4	<u>85.1</u>	86.0	5.6	5.7	6.3		8			
						8.0	0.1	94	27.9		8.2		<u>32.4</u>		<u>86.8</u>		5.7		6.3		8			
IM1	Fine	Rough	16:14	7.6	Surface	1.0	0.1	195	<u>27.6</u>	27.6	8.2	8.2	<u>29.0</u>	29.0	<u>86.8</u>	86.8	5.8	5.8	8.7	7.9	10	10	818335	806467
						1.0	0.2	189	27.6		8.2		<u>29.0</u>		<u>86.8</u>		5.8		8.6		10			
					Middle	3.8	0.0	205	<u>27.6</u>	27.6	8.2	8.2	<u>28.9</u>	28.9	<u>86.3</u>	86.4	5.8	5.8	8.8		11			
						3.8	0.0	199	27.6		8.2		<u>28.9</u>		<u>86.4</u>		5.8		8.8		10			
					Bottom	6.6	0.1	208	<u>27.2</u>	27.2	8.2	8.2	<u>29.1</u>	29.1	<u>82.5</u>	82.4	5.6	5.6	6.4		11			
						6.6	0.1	208	27.2		8.2		<u>29.1</u>		<u>82.3</u>		5.6		6.4		10			
IM2	Fine	Rough	16:02	7.8	Surface	1.0	0.0	164	<u>27.9</u>	27.9	8.2	8.2	<u>28.6</u>	28.6	<u>86.3</u>	86.3	5.8	5.7	7.6	7.7	11	11	819199	806216
						1.0	0.0	159	27.9		8.2		<u>28.6</u>		<u>86.3</u>		5.8		7.6		11			
					Middle	3.9	0.0	161	<u>27.4</u>	27.5	8.2	8.2	<u>28.9</u>	28.8	<u>83.2</u>	83.4	5.6	5.6	10.4		11			
						3.9	0.0	167	27.5		8.2		<u>28.8</u>		<u>83.6</u>		5.6		10.4		10			
					Bottom	6.8	0.0	159	<u>27.1</u>	27.1	8.2	8.2	<u>29.3</u>	29.3	<u>83.1</u>	83.2	5.6	5.6	5.0		10			
						6.8	0.0	165	27.1		8.2		<u>29.3</u>		<u>83.2</u>		5.6		5.0		10			
IM7	Fine	Rough	15:32	8.4	Surface	1.0	0.1	74	<u>27.9</u>	27.9	8.1	8.1	<u>28.4</u>	28.4	<u>86.7</u>	86.8	5.8	5.8	6.6	6.5	11	11	821331	806843
						1.0	0.1	69	27.9		8.2		<u>28.4</u>		<u>86.8</u>		5.8		6.6		10			
					Middle	4.2	0.1	86	<u>27.9</u>	27.9	8.2	8.2	<u>28.4</u>	28.4	<u>86.6</u>	86.7	5.8	5.8	7.5		11			
						4.2	0.1	89	27.9		8.2		<u>28.4</u>		<u>86.7</u>		5.8		7.5		11			
					Bottom	7.4	0.1	101	<u>27.2</u>	27.2	8.2	8.2	<u>28.9</u>	28.9	<u>83.4</u>	83.7	5.6	5.7	5.3		12			
						7.4	0.1	108	27.2		8.2		<u>28.9</u>		<u>84.0</u>		5.7		5.4		13			

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Moderate	14:57	8.8	Surface	1.0	0.1	352	28.1	28.1	8.3	8.3	30.2	30.2	88.4	88.5	5.8	5.9	5.1	6.4	11	10	822243	809828			
						1.0	0.1	352	28.1		8.3	8.3	30.3	30.2	88.5	88.5	5.8		5.2								
					Middle	4.4	0.1	4	28.3	28.4	8.3	8.3	30.3	30.3	88.9	89.0	5.9	5.9	6.8	6.4	10						
						4.4	0.1	356	28.4		8.3	8.3	30.3	30.3	89.1	89.0	5.9		6.9								
					Bottom	7.8	0.1	341	28.6	28.7	8.3	8.3	30.1	30.1	89.8	90.0	5.9	5.9	7.3	6.4	9						
						7.8	0.0	346	28.8		8.3	8.3	30.1	30.1	90.2	90.0	5.9		7.3								
IM11	Misty	Moderate	15:04	8.0	Surface	1.0	0.0	313	28.1	28.1	8.1	8.1	30.7	30.7	88.6	88.7	5.8	5.9	5.2	6.7	9	9	821510	810560			
						1.0	0.0	317	28.1		8.1	8.1	30.7	30.7	88.8	88.7	5.9		5.2								
					Middle	4.0	0.0	326	27.8	27.8	8.1	8.1	30.8	30.9	89.9	90.1	6.0	6.0	6.8	6.7	10						
						4.0	0.0	324	27.7		8.1	8.1	30.9	30.9	90.3	90.1	6.0		6.8								
					Bottom	7.0	0.0	297	27.6	27.6	8.2	8.2	31.0	31.0	91.3	92.0	6.1	6.2	8.0	6.7	9						
						7.0	0.0	291	27.5		8.2	8.2	31.0	31.0	92.6	92.0	6.2		7.9								
IM12	Misty	Moderate	15:11	8.4	Surface	1.0	0.0	59	27.9	27.9	8.1	8.1	30.9	30.9	85.0	85.0	5.6	5.8	7.7	8.3	13	11	821161	811536			
						1.0	0.0	65	27.9		8.1	8.1	30.9	30.9	85.0	85.0	5.6		7.8								
					Middle	4.2	0.1	82	27.9	27.9	8.1	8.1	30.9	30.9	88.6	88.9	5.9	5.9	8.2	8.3	11						
						4.2	0.1	83	27.9		8.1	8.1	30.9	30.9	89.1	88.9	5.9		8.1								
					Bottom	7.4	0.0	73	27.9	27.9	8.1	8.1	31.0	30.9	91.8	92.3	6.1	6.1	9.0	8.3	10						
						7.4	0.0	78	27.9		8.1	8.1	30.9	30.9	92.7	92.3	6.1		9.1								
SR1A	Misty	Moderate	15:30	5.0	Surface	1.0	0.0	18	28.1	28.1	8.1	8.1	30.6	30.6	82.9	83.0	5.5	5.5	2.7	3.2	11	10	819976	812655			
						1.0	0.1	19	28.1		8.1	8.1	30.6	30.6	83.0	83.0	5.5		2.7								
					Middle	2.5	0.0	13	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.5	0.0	10	-		-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.0	-	20	28.0	28.0	8.1	8.1	30.7	30.7	83.4	83.5	5.5	5.5	3.7	3.2	9						
						4.0	0.1	14	28.0		8.1	8.1	30.7	30.7	83.6	83.5	5.5		3.6								
SR2	Misty	Moderate	15:43	5.2	Surface	1.0	0.1	38	28.0	28.0	8.1	8.1	31.2	31.2	90.6	90.9	6.0	6.0	7.2	7.6	8	9	821445	814189			
						1.0	0.1	34	28.0		8.1	8.1	31.2	31.2	91.2	90.9	6.0		7.1								
					Middle	-	0.1	61	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.0	64	-		-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	4.2	0.0	24	27.9	27.9	8.1	8.1	31.3	31.2	94.2	94.9	6.2	6.3	8.0	7.6	9						
						4.2	0.1	27	27.9		8.1	8.1	31.1	31.2	95.5	94.9	6.3		8.1								
SR3	Fine	Rough	15:24	8.1	Surface	1.0	0.0	56	27.7	27.7	8.1	8.1	28.2	28.2	83.2	83.2	5.6	5.6	7.3	9.5	10	10	822133	807591			
						1.0	0.0	53	27.7		8.1	8.1	28.2	28.2	83.2	83.2	5.6		7.3								
					Middle	4.1	0.0	64	27.5	27.5	8.2	8.2	28.5	28.5	82.7	82.8	5.6	5.6	8.9	9.5	10						
						4.1	-	58	27.5		8.2	8.2	28.5	28.5	82.8	82.8	5.6		9.0								
					Bottom	7.1	0.1	79	27.4	27.4	8.2	8.2	28.7	28.7	82.7	82.7	5.6	5.6	12.2	9.5	10						
						7.1	0.1	78	27.4		8.2	8.2	28.7	28.7	82.7	82.7	5.6		12.2								
SR4A	Fine	Rough	17:22	10.1	Surface	1.0	0.0	314	27.8	27.8	8.1	8.1	28.9	28.9	79.2	79.1	5.3	5.2	5.9	6.1	11	11	817171	807787			
						1.0	0.0	315	27.8		8.1	8.1	28.9	28.9	79.0	79.1	5.3		5.9								
					Middle	5.1	0.0	311	27.5	27.5	8.1	8.1	29.5	29.5	74.6	74.7	5.0	5.0	5.7	6.1	10						
						5.1	0.1	316	27.5		8.1	8.1	29.5	29.5	74.7	74.7	5.0		5.7								
					Bottom	9.1	0.0	290	27.5	27.5	8.1	8.1	29.6	29.6	76.2	76.3	5.1	5.1	6.8	6.1	10						
						9.1	0.0	289	27.5		8.1	8.1	29.6	29.6	76.3	76.3	5.1		6.7								
SR8	Misty	Moderate	15:15	5.6	Surface	1.0	-	-	27.9	27.9	8.1	8.1	30.8	30.8	90.9	90.9	6.0	6.0	8.5	8.9	10	12	820381	811618			
						1.0	-	-	27.9		8.1	8.1	30.8	30.8	90.9	90.9	6.0		8.4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.6	-	-	27.8	27.8	8.1	8.1	30.8	30.7	93.3	94.5	6.2	6.3	9.4	8.9	14						
						4.6	-	-	27.8		8.1	8.1	30.7	30.7	95.6	94.5	6.3		9.4								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Sunny	Rough	10:33	7.4	Surface	1.0	0.4	38	27.8	27.8	8.2	8.2	28.7	28.7	85.6	85.6	5.7	5.7	7.7	6.6	8	10	815599	804229	
						1.0	0.3	43	27.8		8.2	8.2	28.7	28.7	85.6	85.6	5.7		7.7						
					Middle	3.7	0.3	25	27.2	27.2	8.2	8.2	29.1	29.1	83.0	83.0	5.6	5.6	6.7	5.6	9				
						3.7	0.3	18	27.2		8.2	8.2	29.1	29.1	83.0	83.0	5.6		6.7						
					Bottom	6.4	0.3	38	27.1	27.1	8.2	8.2	29.2	29.2	82.9	83.0	5.6	5.6	5.4	5.6	10				
						6.4	0.3	39	27.1		8.2	8.2	29.2	29.2	83.0	83.0	5.6		5.4						
C2	Sunny	Rough	12:11	8.1	Surface	1.0	0.3	339	27.5	27.5	8.2	8.2	28.7	28.7	82.7	82.7	5.6	5.6	8.8	10.0	10	11	825669	806968	
						1.0	0.3	336	27.5		8.2	8.2	28.7	28.7	82.7	82.7	5.6		8.9						
					Middle	4.1	0.3	347	27.3	27.3	8.2	8.2	28.8	28.8	81.7	81.7	5.5	5.5	9.4		5.5				10
						4.1	0.3	354	27.3		8.2	8.2	28.8	28.8	81.7	81.7	5.5		9.5						
					Bottom	7.1	0.3	344	27.3	27.3	8.2	8.2	28.9	28.9	81.4	81.4	5.5	5.5	11.6		5.5				12
						7.1	0.3	337	27.3		8.2	8.2	28.9	28.9	81.4	81.4	5.5		11.7						
C3	Misty	Moderate	10:11	9.8	Surface	1.0	0.4	255	28.0	28.0	8.0	8.0	31.1	31.1	82.6	82.6	5.4	5.4	7.1	8.2	12	11	822114	817812	
						1.0	0.3	254	28.0		8.0	8.0	31.1	31.1	82.6	82.6	5.4		7.2						
					Middle	4.9	0.4	272	28.0	28.0	8.0	8.0	31.1	31.1	82.6	82.6	5.4	5.4	8.5		5.4				12
						4.9	0.5	276	28.0		8.0	8.0	31.1	31.1	82.6	82.6	5.4		8.5						
					Bottom	8.8	0.4	257	28.0	28.0	8.0	8.0	31.1	31.1	82.7	82.7	5.5	5.5	9.0		5.5				9
						8.8	0.4	253	28.0		8.0	8.0	31.1	31.1	82.7	82.7	5.5		9.1						
IM1	Sunny	Moderate	11:05	6.1	Surface	1.0	0.2	18	27.8	27.8	8.1	8.1	28.4	28.4	85.4	85.4	5.7	5.7	4.6	7.0	9	10	818342	806478	
						1.0	0.1	18	27.8		8.1	8.1	28.4	28.4	85.4	85.4	5.7		4.6						
					Middle	3.1	0.2	24	27.5	27.6	8.1	8.1	28.5	28.5	83.9	84.0	5.7	5.7	7.9		5.7				9
						3.1	0.2	25	27.6		8.2	8.1	28.5	28.5	84.1	84.0	5.7		7.9						
					Bottom	5.1	0.2	14	27.2	27.2	8.2	8.2	29.0	29.0	82.0	82.1	5.5	5.5	8.7		5.5				12
						5.1	0.2	14	27.2		8.2	8.2	29.0	29.0	82.1	82.1	5.5		8.6						
IM2	Sunny	Moderate	11:18	6.6	Surface	1.0	0.2	5	27.7	27.7	8.1	8.1	28.5	28.5	84.7	84.7	5.7	5.6	7.6	7.0	11	10	819197	806247	
						1.0	0.2	10	27.7		8.1	8.1	28.5	28.5	84.7	84.7	5.7		7.6						
					Middle	3.3	0.2	346	27.7	27.7	8.1	8.1	28.5	28.5	81.1	81.2	5.5	5.5	8.0		5.5				9
						3.3	0.2	341	27.7		8.2	8.1	28.5	28.5	81.2	81.2	5.5		8.0						
					Bottom	5.6	0.2	358	27.2	27.2	8.2	8.2	29.0	29.0	79.3	79.3	5.3	5.3	5.3		5.3				9
						5.6	0.2	356	27.2		8.2	8.2	29.0	29.0	79.3	79.3	5.3		5.4						
IM7	Sunny	Rough	11:37	7.5	Surface	1.0	0.2	338	27.8	27.8	8.1	8.1	28.1	28.1	84.5	84.5	5.7	5.6	6.4	4.9	10	9	821327	806835	
						1.0	0.2	334	27.8		8.1	8.1	28.1	28.1	84.4	84.4	5.7		6.5						
					Middle	3.8	0.3	356	27.3	27.3	8.2	8.2	28.7	28.7	81.2	81.3	5.5	5.5	3.8		5.5				9
						3.8	0.3	351	27.3		8.2	8.2	28.7	28.7	81.3	81.3	5.5		3.8						
					Bottom	6.5	0.2	320	27.1	27.1	8.2	8.2	29.3	29.3	81.5	81.5	5.5	5.5	4.6		5.5				9
						6.5	0.2	325	27.1		8.2	8.2	29.3	29.3	81.4	81.4	5.5		4.6						

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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 01 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Misty	Moderate	11:14	8.2	Surface	1.0	0.4	290	<u>28.2</u>	8.1	8.1	30.4	30.4	89.1	89.2	5.9	6.0	4.5	6.9	10	10	822249	809831			
						1.0	0.3	292	28.2	8.1	8.1	30.4	30.4	89.3	89.2	5.9	6.0	4.5	6.9	11						
					Middle	4.1	0.3	274	28.2	8.1	8.1	30.4	30.4	90.3	90.5	6.0	6.0	7.5	6.9	10						
						4.1	0.3	279	28.2	8.1	8.1	30.4	30.4	90.7	90.5	6.0	6.0	7.5	6.9	9						
					Bottom	7.2	0.3	291	28.2	8.1	8.1	30.3	30.3	93.1	93.9	6.1	6.2	8.8	6.2	8						
						7.2	0.3	287	28.2	8.1	8.1	30.3	30.3	94.6	93.9	6.2	6.2	8.7	6.2	8						
IM11	Misty	Moderate	11:08	8.4	Surface	1.0	0.5	267	27.9	8.1	8.1	30.6	30.6	86.4	86.6	5.7	5.8	6.6	7.5	10	12	821511	810538			
						1.0	0.5	272	27.8	8.1	8.1	30.7	30.6	86.7	86.6	5.7	5.8	6.5	7.5	10						
					Middle	4.2	0.5	287	27.7	8.1	8.1	30.8	30.8	87.4	87.6	5.8	5.8	7.4	7.5	11						
						4.2	0.5	292	27.6	8.1	8.1	30.8	30.8	87.8	87.6	5.8	5.8	7.5	7.5	11						
					Bottom	7.4	0.5	276	27.5	8.1	8.1	30.9	30.9	90.0	90.5	6.0	6.0	8.4	6.0	13						
						7.4	0.5	282	27.4	8.1	8.1	30.9	30.9	90.9	90.5	6.0	6.0	8.5	6.0	14						
IM12	Misty	Moderate	11:04	8.6	Surface	1.0	0.5	295	27.8	8.1	8.1	30.9	30.9	85.4	85.5	5.7	5.7	7.0	8.3	12	12	821165	811497			
						1.0	0.5	289	27.7	8.1	8.1	30.9	30.9	85.5	85.5	5.7	5.7	7.0	8.3	12						
					Middle	4.3	0.5	285	27.6	8.1	8.1	31.0	31.0	86.1	86.3	5.7	5.7	8.6	6.1	12						
						4.3	0.5	279	27.6	8.1	8.1	31.0	31.0	86.4	86.3	5.7	5.7	8.6	6.1	12						
					Bottom	7.6	0.4	277	27.4	8.1	8.1	31.1	31.1	91.5	91.9	6.1	6.1	9.5	6.1	11						
						7.6	0.4	280	27.4	8.1	8.1	31.1	31.1	92.2	91.9	6.1	6.1	9.5	6.1	11						
SR1A	Misty	Moderate	10:43	5.2	Surface	1.0	0.0	196	27.6	8.1	8.1	30.9	30.9	90.0	90.1	6.0	6.0	3.1	6.0	14	13	819982	812655			
						1.0	0.0	195	27.5	8.1	8.1	30.9	30.9	90.2	90.1	6.0	6.0	3.2	6.0	14						
					Middle	2.6	0.0	186	-	-	-	-	-	-	-	-	-	-	-	-				-	3.9	-
						2.6	0.0	178	-	-	-	-	-	-	-	-	-	-	-	-				-	3.9	-
					Bottom	4.2	-	170	27.3	8.1	8.1	30.7	30.6	95.5	98.4	6.4	6.6	4.7	6.6	11						
						4.2	0.0	168	27.2	8.1	8.1	30.5	30.6	101.3	98.4	6.8	6.6	4.7	6.6	12						
SR2	Misty	Moderate	10:31	4.2	Surface	1.0	0.2	219	27.9	8.0	8.0	31.1	31.1	82.8	82.8	5.5	5.5	7.2	7.8	10	10	821477	814181			
						1.0	0.2	215	27.9	8.0	8.0	31.1	31.1	82.8	82.8	5.5	5.5	7.2	7.8	11						
					Middle	-	0.1	206	-	-	-	-	-	-	-	-	-	-	-	-				-	7.8	-
						-	0.1	199	-	-	-	-	-	-	-	-	-	-	-	-				-	7.8	-
					Bottom	3.2	0.2	237	27.9	8.0	8.0	31.1	31.1	82.9	82.9	5.5	5.5	8.5	5.5	9						
						3.2	0.2	233	27.9	8.0	8.0	31.1	31.1	82.9	82.9	5.5	5.5	8.5	5.5	10						
SR3	Sunny	Rough	11:45	7.8	Surface	1.0	0.3	355	27.8	8.1	8.1	28.2	28.2	84.4	84.4	5.7	5.6	6.2	8.3	14	12	822126	807565			
						1.0	0.3	353	27.8	8.1	8.1	28.2	28.2	84.4	84.4	5.7	5.6	6.2	8.3	13						
					Middle	3.9	0.2	335	27.3	8.2	8.2	28.8	28.8	80.8	80.8	5.5	5.5	6.4	5.6	12						
						3.9	0.2	333	27.3	8.2	8.2	28.9	28.8	80.8	80.8	5.5	5.5	6.4	5.6	10						
					Bottom	6.8	0.3	330	27.1	8.2	8.2	29.2	29.2	81.7	81.8	5.5	5.5	12.3	5.5	10						
						6.8	0.3	337	27.2	8.2	8.2	29.2	29.2	81.8	81.8	5.5	5.5	12.3	5.5	10						
SR4A	Sunny	Moderate	09:50	8.6	Surface	1.0	0.0	223	27.2	8.1	8.1	28.5	28.5	80.6	80.7	5.5	5.5	7.6	9.4	10	11	817186	807800			
						1.0	0.0	219	27.2	8.1	8.1	28.5	28.5	80.7	80.7	5.5	5.5	7.5	9.4	10						
					Middle	4.3	0.0	241	27.0	8.1	8.1	28.5	28.5	79.9	80.0	5.4	5.4	9.3	5.4	10						
						4.3	0.1	240	27.0	8.1	8.1	28.5	28.5	80.0	80.0	5.4	5.4	9.4	5.4	10						
					Bottom	7.6	0.1	240	27.0	8.1	8.1	28.6	28.6	79.8	79.8	5.4	5.4	11.3	5.4	12						
						7.6	0.1	241	27.0	8.1	8.1	28.6	28.6	79.8	79.8	5.4	5.4	11.3	5.4	11						
SR8	Misty	Moderate	10:59	4.0	Surface	1.0	-	-	27.9	8.1	8.1	30.6	30.6	87.1	87.2	5.8	5.8	7.3	7.7	11	11	820401	811639			
						1.0	-	-	27.9	8.1	8.1	30.6	30.6	87.2	87.2	5.8	5.8	7.4	7.7	11						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	7.7	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	7.7	-
					Bottom	3.0	-	-	27.8	8.1	8.1	30.7	30.8	87.5	87.7	5.8	5.8	8.1	5.8	11						
						3.0	-	-	27.8	8.1	8.1	30.8	30.8	87.8	87.7	5.8	5.8	8.1	5.8	11						

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	07:40	8.4	Surface	1.0	0.4	205	<u>27.8</u>	27.8	8.2	8.2	<u>28.3</u>	28.3	<u>83.5</u>	83.5	5.6	5.6	9.2	11.2	4	4	815605	804267
						1.0	0.4	200	27.8		8.2		28.3		83.4		5.6		9.4		5			
					Middle	4.2	0.5	217	27.5	8.2	8.2	29.7	29.7	82.6	82.7	5.5	5.5	11.1	4					
						4.2	0.5	210	27.5	8.2	8.2	29.7	29.7	82.7	82.7	5.5	5.5	11.2	5					
					Bottom	7.4	0.5	192	27.5	8.2	8.2	29.8	29.8	83.6	83.8	5.6	5.6	13.0	3					
						7.4	0.5	196	27.5	8.2	8.2	29.8	29.8	83.9	83.8	5.6	5.6	13.5	4					
C2	Cloudy	Moderate	08:56	11.4	Surface	1.0	0.8	183	28.5	28.6	8.3	8.3	23.0	23.0	84.5	84.7	5.8	5.5	7.0	10.5	4	5	825683	806934
						1.0	0.8	184	28.6		8.3		22.9		84.9		5.8		6.8		5			
					Middle	5.7	0.7	169	28.1	8.3	8.3	27.6	27.6	76.7	76.8	5.1	5.1	10.2	4					
						5.7	0.6	161	28.1	8.3	8.3	27.6	27.6	76.8	76.8	5.2	5.2	10.3	5					
					Bottom	10.4	0.7	165	28.1	8.3	8.3	27.7	27.7	77.3	77.4	5.2	5.2	14.3	6					
						10.4	0.7	167	28.1	8.3	8.3	27.7	27.7	77.4	77.4	5.2	5.2	14.3	5					
C3	Fine	Moderate	07:50	9.0	Surface	1.0	0.3	88	28.3	28.3	8.1	8.1	31.0	31.0	81.7	81.8	5.4	5.4	7.7	8.3	4	5	822096	817793
						1.0	0.3	95	28.3		8.1		31.1		81.9		5.4		7.6		4			
					Middle	4.5	0.3	79	28.3	8.1	8.1	31.2	31.2	82.5	82.8	5.4	5.4	8.2	5					
						4.5	0.3	84	28.3	8.1	8.1	31.2	31.2	83.0	82.8	5.4	5.4	8.1	4					
					Bottom	8.0	0.4	66	28.3	8.1	8.1	31.3	31.3	85.1	85.5	5.6	5.6	9.0	5					
						8.0	0.3	68	28.3	8.1	8.1	31.2	31.3	85.9	85.5	5.6	5.6	9.1	6					
IM1	Cloudy	Moderate	07:59	6.2	Surface	1.0	0.3	208	27.9	27.9	8.2	8.2	29.3	29.3	86.4	86.4	5.8	5.6	2.4	5.5	6	6	818342	806440
						1.0	0.4	209	27.8		8.2		29.3		86.3		5.8		2.6		7			
					Middle	3.1	0.4	179	27.5	8.2	8.2	29.8	29.8	80.2	80.3	5.4	5.4	3.6	6					
						3.1	0.4	182	27.5	8.2	8.2	29.8	29.8	80.3	80.3	5.4	5.4	3.6	5					
					Bottom	5.2	0.4	214	27.5	8.3	8.3	30.3	30.3	82.8	82.9	5.5	5.5	10.7	4					
						5.2	0.4	219	27.5	8.3	8.3	30.3	30.3	83.0	82.9	5.5	5.5	10.2	5					
IM2	Cloudy	Moderate	08:04	6.8	Surface	1.0	0.4	189	28.0	28.0	8.2	8.2	29.2	29.3	84.7	84.5	5.6	5.5	2.3	6.4	4	4	819171	806223
						1.0	0.4	189	28.0		8.2		29.3		84.3		5.6		2.3		5			
					Middle	3.4	0.4	182	27.6	8.2	8.2	29.7	29.7	81.2	81.2	5.4	5.4	3.0	4					
						3.4	0.4	179	27.6	8.2	8.2	29.7	29.7	81.1	81.1	5.4	5.4	3.0	4					
					Bottom	5.8	0.4	212	27.5	8.2	8.2	30.3	30.3	80.0	80.1	5.3	5.3	13.7	3					
						5.8	0.4	209	27.5	8.2	8.2	30.3	30.3	80.2	80.1	5.4	5.4	13.9	3					
IM7	Cloudy	Moderate	08:27	7.7	Surface	1.0	0.3	213	28.4	28.4	8.2	8.2	25.5	25.5	83.6	83.6	5.6	5.6	4.1	8.5	6	5	821350	806824
						1.0	0.4	205	28.4		8.2		25.6		83.5		5.6		4.5		5			
					Middle	3.9	0.3	200	28.2	8.2	8.2	26.9	26.9	82.6	82.6	5.6	5.6	8.9	4					
						3.9	0.3	197	28.2	8.2	8.2	26.9	26.9	82.6	82.6	5.6	5.6	9.3	5					
					Bottom	6.7	0.3	200	28.1	8.2	8.2	27.2	27.2	82.7	82.8	5.6	5.6	12.1	4					
						6.7	0.4	197	28.1	8.2	8.2	27.2	27.2	82.8	82.8	5.6	5.6	12.2	4					

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Moderate	08:56	8.2	Surface	1.0	0.4	128	28.9	28.9	8.1	8.1	27.0	27.1	92.7	92.8	6.2	6.2	1.3	6.2	4	5	822230	809819				
						1.0	0.4	129	28.9	8.1	8.1	27.1	27.1	92.8	92.8	6.2	6.2	1.4	6.2	4								
					Middle	4.1	0.5	112	28.9	28.9	8.1	8.1	27.4	27.4	93.7	94.0	6.2	6.2	2.5	6.2	4							
						4.1	0.4	116	28.9	28.9	8.1	8.1	27.4	27.4	94.3	94.0	6.3	6.3	2.5	6.3	5							
					Bottom	7.2	0.5	109	28.9	28.9	8.1	8.1	27.4	27.4	95.3	96.3	6.3	6.4	3.8	6.4	6							
						7.2	0.4	110	28.9	28.9	8.1	8.1	27.4	27.4	97.2	96.3	6.4	6.4	3.8	6.4	5							
IM11	Fine	Moderate	08:49	8.0	Surface	1.0	0.4	103	28.9	28.9	8.0	8.0	26.4	26.4	90.3	90.3	6.0	6.0	2.7	6.0	2	4	821506	810564				
						1.0	0.4	107	28.9	28.9	8.1	8.0	26.4	26.4	90.2	90.3	6.0	6.0	2.7	6.0	3							
					Middle	4.0	0.4	92	28.7	28.7	8.1	8.1	28.9	29.0	90.6	90.8	6.0	6.0	4.0	6.0	4							
						4.0	0.4	96	28.7	28.7	8.1	8.1	29.0	29.0	91.0	90.8	6.0	6.0	4.0	6.0	4							
					Bottom	7.0	0.5	108	28.7	28.7	8.1	8.1	29.1	29.1	92.9	93.5	6.1	6.2	5.1	6.2	5							
						7.0	0.4	107	28.7	28.7	8.1	8.1	29.0	29.1	94.0	93.5	6.2	6.2	5.1	6.2	5							
IM12	Fine	Moderate	08:43	7.6	Surface	1.0	0.5	98	28.8	28.8	8.1	8.1	28.6	28.7	92.2	92.3	6.1	6.1	1.0	6.1	3	4	821152	811531				
						1.0	0.5	101	28.8	28.8	8.1	8.1	28.7	28.7	92.3	92.3	6.1	6.1	1.0	6.1	3							
					Middle	3.8	0.5	116	28.6	28.6	8.1	8.1	29.2	29.3	93.1	93.3	6.1	6.1	1.7	6.1	4							
						3.8	0.5	119	28.6	28.6	8.1	8.1	29.3	29.3	93.4	93.3	6.2	6.2	1.6	6.2	4							
					Bottom	6.6	0.5	125	28.6	28.6	8.1	8.1	29.4	29.4	94.5	94.9	6.2	6.3	3.0	6.3	4							
						6.6	0.5	130	28.6	28.6	8.1	8.1	29.4	29.4	95.2	94.9	6.3	6.3	2.9	6.3	5							
SR1A	Fine	Moderate	08:22	5.2	Surface	1.0	0.0	62	28.6	28.6	8.1	8.1	29.6	29.6	90.0	90.1	5.9	5.9	7.3	5.9	5	4	819981	812662				
						1.0	0.1	65	28.6	28.6	8.1	8.1	29.6	29.6	90.1	90.1	5.9	5.9	7.3	5.9	5							
					Middle	2.6	0.0	59	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4	
						2.6	0.1	63	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4	
					Bottom	4.2	0.1	58	28.6	28.6	8.1	8.1	29.7	29.7	91.4	92.8	6.0	6.1	8.1	6.1	8.1				6.1	4		
						4.2	0.1	58	28.5	28.5	8.1	8.1	29.7	29.7	94.2	94.2	6.2	6.2	8.2	6.2	8.2				6.2	3		
SR2	Fine	Moderate	08:11	5.8	Surface	1.0	0.5	35	28.4	28.4	8.3	8.3	30.0	30.0	90.2	90.4	5.9	6.0	3.4	6.0	4	4	821484	814151				
						1.0	0.5	30	28.4	28.4	8.3	8.3	30.1	30.0	90.5	90.4	6.0	6.0	3.5	6.0	4							
					Middle	-	0.5	55	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4	
						-	0.5	60	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4	
					Bottom	4.8	0.5	26	28.4	28.4	8.3	8.3	30.2	30.2	93.1	93.9	6.1	6.2	5.0	6.2	4.9				6.2	3		
						4.8	0.5	30	28.4	28.4	8.3	8.3	30.2	30.2	94.7	94.7	6.2	6.2	4.9	6.2	4.9				6.2	3		
SR3	Cloudy	Moderate	08:35	8.5	Surface	1.0	0.6	177	28.4	28.4	8.2	8.2	25.3	25.4	83.1	83.0	5.6	5.6	2.7	5.6	4	3	822161	807582				
						1.0	0.5	175	28.4	28.4	8.2	8.2	25.4	25.4	82.9	83.0	5.6	5.6	2.6	5.6	4							
					Middle	4.3	0.6	151	28.1	28.1	8.2	8.2	27.3	27.3	79.6	79.7	5.4	5.4	4.8	5.4	3							
						4.3	0.6	156	28.1	28.1	8.2	8.2	27.3	27.3	79.7	79.7	5.4	5.4	4.9	5.4	3							
					Bottom	7.5	0.6	185	28.0	28.0	8.2	8.2	27.6	27.7	80.7	80.9	5.4	5.4	5.7	5.4	5.7				5.4	2		
						7.5	0.6	182	28.0	28.0	8.2	8.2	27.7	27.7	81.0	80.9	5.4	5.4	5.8	5.4	5.8				5.4	3		
SR4A	Cloudy	Moderate	07:23	8.4	Surface	1.0	0.0	35	27.8	27.8	8.1	8.1	28.7	28.7	80.7	80.8	5.4	5.4	6.4	5.4	4	4	817174	807794				
						1.0	0.1	30	27.8	27.8	8.1	8.1	28.7	28.7	80.8	80.8	5.4	5.4	6.3	5.4	6.3				5.4	3		
					Middle	4.2	0.0	48	27.6	27.6	8.1	8.1	29.2	29.2	79.0	79.0	5.3	5.3	8.8	5.3	8.8				5.3	4		
						4.2	0.0	54	27.6	27.6	8.1	8.1	29.2	29.2	79.0	79.0	5.3	5.3	9.0	5.3	9.0				5.3	4		
					Bottom	7.4	0.0	52	27.6	27.6	8.1	8.1	29.3	29.3	79.4	79.5	5.3	5.3	10.7	5.3	10.7				5.3	5		
						7.4	0.0	55	27.6	27.6	8.1	8.1	29.4	29.3	79.5	79.5	5.3	5.3	11.0	5.3	11.0				5.3	4		
SR8	Fine	Moderate	08:38	4.2	Surface	1.0	-	-	29.0	29.0	8.1	8.1	29.2	29.2	95.8	95.8	6.3	6.3	5.4	6.3	4	4	820371	811626				
						1.0	-	-	28.9	28.9	8.1	8.1	29.2	29.2	95.8	95.8	6.3	6.3	5.3	6.3	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4	
					Bottom	3.2	-	-	28.8	28.8	8.2	8.2	29.3	29.2	97.0	97.8	6.4	6.5	6.0	6.5	6.0				6.5	6.0	6.5	4
						3.2	-	-	28.8	28.8	8.1	8.2	29.2	29.2	98.5	98.5	6.5	6.5	6.1	6.5	6.1				6.5	6.1	6.5	3

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Water Quality Monitoring

Water Quality Monitoring Results on 04 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	19:30	8.2	Surface	1.0	0.1	49	28.0	28.0	8.2	8.2	27.7	27.8	84.4	84.2	5.7	5.5	11.4	11.8	6	5	815635	804239
						1.0	0.1	55	28.0	8.2	8.2	27.8	27.8	84.0	84.0	5.6	5.5	11.5	11.8	5	5			
					Middle	4.1	0.1	49	27.6	27.6	8.2	8.2	29.4	29.4	81.3	81.3	5.4	5.5	11.0	11.8	5	5		
						4.1	0.1	45	27.6	27.6	8.2	8.2	29.4	29.4	81.3	81.3	5.4	5.5	11.8	11.8	6	5		
					Bottom	7.2	0.1	23	27.6	27.6	8.2	8.2	29.7	29.7	81.4	81.5	5.4	5.5	12.8	12.4	5	5		
						7.2	0.1	27	27.6	27.6	8.2	8.2	29.7	29.7	81.6	81.5	5.5	5.5	12.4	12.4	5	5		
C2	Rainy	Moderate	18:38	11.5	Surface	1.0	0.2	335	28.4	28.4	8.2	8.2	23.8	23.8	80.2	80.2	5.5	5.5	4.5	9.8	5	5	825691	806963
						1.0	0.2	342	28.4	28.4	8.2	8.2	23.8	23.8	80.1	80.2	5.5	5.5	4.5	9.8	4	5		
					Middle	5.8	0.2	355	28.1	28.1	8.2	8.2	27.5	27.6	75.0	74.9	5.0	4.9	12.7	12.0	4	5		
						5.8	0.1	358	28.1	28.1	8.2	8.2	27.6	27.6	74.7	74.4	5.0	4.9	12.9	12.0	5	5		
					Bottom	10.5	0.1	314	28.1	28.1	8.2	8.2	27.6	27.5	73.4	73.4	4.9	4.9	12.0	12.4	5	5		
						10.5	0.2	317	28.1	28.1	8.2	8.2	27.5	27.5	73.3	73.4	4.9	4.9	12.4	12.4	6	5		
C3	Fine	Moderate	19:55	9.6	Surface	1.0	0.0	88	28.7	28.7	8.1	8.1	30.3	30.4	84.7	84.5	5.5	5.5	4.1	5.1	5	5	822128	817780
						1.0	0.1	94	28.7	28.7	8.1	8.1	30.4	30.4	84.3	84.5	5.5	5.5	4.2	5.1	5	5		
					Middle	4.8	0.1	89	28.7	28.8	8.1	8.1	30.6	30.7	84.0	84.2	5.5	5.5	5.2	5.1	4	5		
						4.8	0.1	94	28.8	28.8	8.1	8.1	30.7	30.7	84.3	84.3	5.5	5.5	5.1	5.1	5	5		
					Bottom	8.6	0.1	84	28.8	28.8	8.1	8.1	30.7	30.7	86.3	87.0	5.6	5.7	6.0	6.1	4	5		
						8.6	0.1	80	28.8	28.8	8.1	8.1	30.7	30.7	87.6	87.0	5.7	5.7	6.1	6.1	4	5		
IM1	Rainy	Moderate	19:17	6.3	Surface	1.0	0.1	21	27.8	27.8	8.2	8.2	29.5	29.5	80.5	80.5	5.4	5.4	11.2	11.8	6	5	818362	806480
						1.0	0.1	25	27.8	27.8	8.2	8.2	29.5	29.5	80.5	80.5	5.4	5.4	11.8	11.8	5	5		
					Middle	3.2	0.1	12	27.6	27.6	8.2	8.2	29.8	29.8	80.5	80.5	5.4	5.4	11.1	11.3	4	5		
						3.2	0.1	15	27.6	27.6	8.2	8.2	29.9	29.8	80.5	80.5	5.4	5.4	11.3	11.3	4	5		
					Bottom	5.3	0.1	43	27.6	27.6	8.2	8.2	30.2	30.2	81.7	82.0	5.4	5.5	12.8	12.6	4	5		
						5.3	0.1	37	27.6	27.6	8.2	8.2	30.2	30.2	82.2	82.0	5.5	5.5	12.6	12.6	4	5		
IM2	Rainy	Moderate	19:12	6.6	Surface	1.0	0.1	13	28.4	28.4	8.3	8.3	28.9	28.9	89.1	89.1	5.9	5.7	4.7	5.3	5	5	819177	806249
						1.0	0.1	10	28.4	28.4	8.3	8.3	28.9	28.9	89.1	89.1	5.9	5.7	4.8	5.3	6	5		
					Middle	3.3	0.1	24	27.6	27.6	8.3	8.3	30.0	30.1	81.3	81.3	5.4	5.5	3.8	3.7	4	5		
						3.3	0.1	21	27.6	27.6	8.3	8.3	30.1	30.1	81.2	81.3	5.4	5.5	3.7	3.7	4	5		
					Bottom	5.6	0.1	352	27.5	27.5	8.3	8.3	30.3	30.3	81.9	82.2	5.5	5.5	7.7	7.0	4	5		
						5.6	0.1	348	27.5	27.5	8.3	8.3	30.3	30.3	82.4	82.2	5.5	5.5	7.0	7.0	4	5		
IM7	Rainy	Moderate	18:55	7.5	Surface	1.0	0.1	47	28.3	28.3	8.1	8.1	26.1	26.1	83.4	83.5	5.6	5.7	4.6	7.9	5	5	821349	806816
						1.0	0.1	50	28.3	28.3	8.1	8.1	26.1	26.1	83.5	83.5	5.6	5.7	4.9	7.9	5	5		
					Middle	3.8	0.1	55	28.3	28.3	8.1	8.1	26.4	26.4	84.4	84.5	5.7	5.7	7.8	10.8	4	5		
						3.8	0.2	53	28.3	28.3	8.1	8.1	26.4	26.4	84.6	84.5	5.7	5.9	8.3	10.8	4	5		
					Bottom	6.5	0.2	43	28.3	28.3	8.1	8.1	26.4	26.4	87.1	87.3	5.9	5.9	10.8	11.1	4	5		
						6.5	0.1	37	28.3	28.3	8.1	8.1	26.4	26.4	87.5	87.3	5.9	5.9	11.1	11.1	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 04 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	18:41	8.4	Surface	1.0	0.1	307	29.0	29.0	8.0	8.0	26.9	26.9	91.1	91.2	6.0	6.1	1.4	2.6	6	5	822247	809823
						1.0	0.2	313	29.0		8.0	8.0	27.0	26.9	91.3	91.2	6.0		1.4		5			
					Middle	4.2	0.1	297	29.0	29.0	8.0	8.0	27.2	27.2	91.8	91.9	6.1	6.1	2.6	5				
						4.2	0.2	293	29.0		8.0	8.0	27.2	27.1	91.9	91.9	6.1		2.6	5				
					Bottom	7.4	0.2	293	29.0	29.0	8.0	8.0	27.2	27.1	92.4	92.5	6.1	6.1	3.6	5				
						7.4	0.1	289	29.0		8.0	8.0	27.0	27.1	92.6	92.5	6.1		3.7	4				
IM11	Fine	Moderate	19:00	8.0	Surface	1.0	0.1	278	29.0	29.0	8.2	8.2	24.9	24.9	92.0	91.9	6.2	6.2	1.0	2.0	5	5	821510	810540
						1.0	0.2	274	29.0		8.2	8.2	25.0	24.9	91.8	91.9	6.2		1.1		4			
					Middle	4.0	0.2	278	28.9	28.9	8.2	8.2	28.2	28.3	92.2	92.4	6.1	6.1	2.3	5				
						4.0	0.2	280	28.8		8.2	8.2	28.4	28.3	92.6	92.4	6.1		2.3	4				
					Bottom	7.0	0.1	269	28.8	28.9	8.2	8.2	28.7	28.3	94.5	95.2	6.2	6.3	2.8	5				
						7.0	0.1	264	29.0		8.2	8.2	27.9	28.3	95.8	95.2	6.3		2.8	6				
IM12	Fine	Moderate	19:05	7.4	Surface	1.0	0.2	286	28.8	28.8	8.1	8.1	28.6	28.7	89.4	89.4	5.9	5.9	6.2	7.1	4	5	821156	811503
						1.0	0.2	287	28.8		8.1	8.1	28.7	28.7	89.4	89.4	5.9		6.3		4			
					Middle	3.7	0.2	271	28.9	28.9	8.2	8.2	29.1	29.1	89.4	89.4	5.9	5.9	7.1	5				
						3.7	0.3	271	28.9		8.2	8.2	29.2	29.1	89.4	89.4	5.9		7.2	4				
					Bottom	6.4	0.2	268	29.4	29.5	8.2	8.2	29.0	29.0	90.9	91.1	5.9	5.9	8.0	5				
						6.4	0.2	262	29.5		8.2	8.2	28.9	29.0	91.3	91.1	5.9		8.1	5				
SR1A	Fine	Moderate	19:24	5.2	Surface	1.0	0.1	261	28.8	28.8	8.1	8.1	29.6	29.6	87.2	87.2	5.7	5.7	2.2	2.7	4	5	819977	812662
						1.0	0.0	260	28.8		8.1	8.1	29.6	29.6	87.2	87.2	5.7		2.2		4			
					Middle	2.6	0.0	254	-	-	-	-	-	-	-	-	-	-	-	-				
						2.6	-	250	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.2	0.0	249	28.9	28.9	8.1	8.1	29.6	29.5	87.1	88.8	5.7	5.8	3.2	6				
						4.2	0.0	242	28.9		8.1	8.1	29.5	29.5	90.5	88.8	5.9		3.1	5				
SR2	Fine	Moderate	19:35	5.8	Surface	1.0	0.1	207	28.3	28.3	8.1	8.1	30.1	30.2	91.1	91.1	6.0	6.0	4.7	5.1	4	4	821448	814150
						1.0	0.0	200	28.2		8.1	8.1	30.3	30.2	91.0	91.1	6.0		4.7		4			
					Middle	-	0.1	183	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.0	184	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.8	0.1	200	28.0	28.0	8.1	8.1	31.0	31.0	93.7	95.0	6.2	6.3	5.4	4				
						4.8	0.1	202	28.0		8.1	8.1	31.0	31.0	96.2	95.0	6.4		5.5	5				
SR3	Rainy	Moderate	18:50	8.1	Surface	1.0	0.1	10	28.4	28.5	8.1	8.1	25.1	25.1	84.3	84.4	5.7	5.6	2.6	5.3	4	4	822143	807571
						1.0	0.2	12	28.5		8.1	8.1	25.0	25.1	84.4	84.4	5.7		2.6		4			
					Middle	4.1	0.2	9	28.1	28.1	8.1	8.1	27.2	27.2	80.2	80.3	5.4	5.4	4.9	4				
						4.1	0.2	2	28.1		8.1	8.1	27.2	27.2	80.4	80.3	5.4		5.3	4				
					Bottom	7.1	0.2	16	28.1	28.1	8.1	8.1	27.3	27.3	81.9	82.0	5.5	5.5	7.8	4				
						7.1	0.2	15	28.1		8.1	8.1	27.3	27.3	82.0	82.0	5.5		8.9	4				
SR4A	Rainy	Moderate	19:46	8.8	Surface	1.0	0.0	81	28.2	28.2	8.5	8.5	28.9	28.9	81.8	81.9	5.4	5.5	10.7	10.0	4	5	817181	807802
						1.0	0.1	74	28.2		8.5	8.5	28.9	28.9	81.9	81.9	5.4		10.5		4			
					Middle	4.4	0.0	84	28.2	28.2	8.5	8.5	28.9	28.9	82.1	82.2	5.5	5.5	8.7	5				
						4.4	0.0	86	28.2		8.5	8.5	28.9	28.9	82.2	82.2	5.5		8.6	4				
					Bottom	7.8	0.0	63	28.2	28.2	8.5	8.5	28.9	28.9	83.8	84.1	5.6	5.6	10.7	6				
						7.8	0.0	65	28.2		8.5	8.5	28.9	28.9	84.3	84.1	5.6		10.8	5				
SR8	Fine	Moderate	19:10	5.0	Surface	1.0	-	-	29.4	29.4	8.1	8.1	28.8	28.7	94.3	94.4	6.2	6.2	7.1	7.6	4	4	820404	811617
						1.0	-	-	29.3		8.2	8.1	28.7	28.7	94.5	94.4	6.2		7.2		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	-	-	29.0	29.1	8.1	8.1	27.5	27.2	96.3	96.9	6.4	6.4	8.0	4				
						4.0	-	-	29.1		8.1	8.1	27.0	27.2	97.5	96.9	6.4		8.1	4				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	10:08	8.7	Surface	1.0	0.5	215	28.1	28.1	8.2	8.2	29.0	29.0	87.1	87.1	5.8	5.8	3.2	9.8	4	4	815602	804238
						1.0	0.5	209	28.1		8.2		29.0		87.1		5.8		3.3		5			
					Middle	4.4	0.5	218	28.0	28.0	8.2	8.2	30.1	30.1	86.7	86.8	5.7	5.8	12.6	3				
						4.4	0.5	225	28.0		8.2		30.1		86.8		5.7		12.3		4			
					Bottom	7.7	0.5	188	28.0	28.0	8.2	8.2	30.0	30.0	87.9	88.0	5.8	5.8	13.3	3				
						7.7	0.5	180	28.0		8.2		30.0		88.0		5.8		13.9		4			
C2	Cloudy	Moderate	11:22	10.9	Surface	1.0	0.6	179	28.4	28.4	8.1	8.1	26.2	26.2	82.8	82.7	5.6	5.6	5.3	10.3	3	4	825669	806938
						1.0	0.7	176	28.4		8.1		26.3		82.5		5.6		6.0		4			
					Middle	5.5	0.6	171	28.2	28.2	8.1	8.1	26.5	26.5	81.1	81.0	5.5	5.5	12.6	3				
						5.5	0.5	176	28.2		8.1		26.5		80.9		5.5		12.5		4			
					Bottom	9.9	0.6	167	28.2	28.2	8.0	8.0	28.1	28.1	72.9	73.1	4.9	4.9	12.7	4				
						9.9	0.7	173	28.2		8.0		28.1		73.2		4.9		12.7		5			
C3	Fine	Moderate	09:39	9.6	Surface	1.0	0.4	64	28.4	28.4	7.9	7.9	32.2	32.3	77.1	77.1	5.0	5.0	2.7	3.6	4	4	822116	817794
						1.0	0.3	61	28.3		7.9		32.3		77.0		5.0		2.8		5			
					Middle	4.8	0.3	74	28.3	28.3	7.9	7.9	32.7	32.7	77.5	77.6	5.0	5.0	3.9	4				
						4.8	0.2	72	28.3		7.9		32.7		77.7		5.0		3.9		4			
					Bottom	8.6	0.4	60	28.3	28.3	7.8	7.8	32.7	32.7	79.0	79.2	5.1	5.2	4.2	3				
						8.6	0.3	56	28.3		7.8		32.7		79.4		5.2		4.2		4			
IM1	Cloudy	Moderate	10:27	6.5	Surface	1.0	0.3	181	28.1	28.1	8.2	8.2	29.3	29.3	85.0	85.0	5.7	5.6	4.6	6.0	4	4	818331	806437
						1.0	0.3	184	28.1		8.2		29.3		84.9		5.6		4.7		5			
					Middle	3.3	0.3	192	28.0	28.0	8.2	8.2	29.5	29.5	84.3	84.3	5.6	5.6	5.8	4				
						3.3	0.4	188	28.0		8.2		29.6		84.2		5.6		5.4		4			
					Bottom	5.5	0.4	173	28.0	28.0	8.2	8.2	29.6	29.6	84.8	84.9	5.6	5.6	7.6	4				
						5.5	0.4	175	28.0		8.2		29.6		84.9		5.6		7.7		4			
IM2	Cloudy	Moderate	10:32	6.7	Surface	1.0	0.4	200	28.1	28.1	8.1	8.1	29.2	29.2	84.6	84.6	5.6	5.6	4.0	5.5	2	3	819176	806238
						1.0	0.4	198	28.1		8.1		29.2		84.6		5.6		4.1		3			
					Middle	3.4	0.4	207	28.0	28.0	8.1	8.1	29.3	29.3	84.1	84.0	5.6	5.6	5.5	4				
						3.4	0.4	206	28.0		8.1		29.4		83.9		5.6		5.7		4			
					Bottom	5.7	0.4	222	28.0	28.0	8.1	8.1	29.4	29.4	84.4	84.5	5.6	5.6	7.0	4				
						5.7	0.4	218	28.0		8.1		29.4		84.5		5.6		7.1		4			
IM7	Cloudy	Moderate	10:54	8.5	Surface	1.0	0.3	210	28.2	28.2	8.1	8.1	26.7	26.7	87.2	87.2	5.9	5.7	2.2	5.8	6	5	821328	806828
						1.0	0.3	212	28.2		8.1		26.7		87.1		5.9		2.2		6			
					Middle	4.3	0.3	226	28.0	28.0	8.2	8.2	26.9	27.0	82.1	81.8	5.5	5.5	4.2	4				
						4.3	0.3	227	28.0		8.2		27.0		81.4		5.5		6.2		4			
					Bottom	7.5	0.3	188	27.9	27.9	8.2	8.2	29.0	29.0	81.6	81.7	5.4	5.5	9.8	4				
						7.5	0.3	192	27.9		8.2		29.0		81.7		5.5		9.9		4			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Fine	Moderate	10:55	8.6	Surface	1.0	0.5	117	28.5	28.5	8.0	8.0	30.6	30.6	84.1	84.1	5.5	5.5	5.0	6.4	5	4	822256	809845				
						1.0	0.5	114	28.5		8.0		30.7		84.0		5.5		5.1		4							
					Middle	4.3	0.4	133	28.4	28.4	8.0	8.0	30.8	30.8	84.0	84.2	5.5	5.5	6.2	5.7	5.5	5.7			6.2	5	4	
						4.3	0.4	131	28.4		8.0		30.8		84.3		5.5		6.2		4							
					Bottom	7.6	0.5	108	28.4	28.4	8.0	8.0	30.8	30.7	85.5	85.8	5.6	5.7	7.9	5.7	5.6	5.7			7.9	4	4	
						7.6	0.5	107	28.4		8.0		30.7		86.1		5.7		7.9		4							
IM11	Fine	Moderate	10:47	8.0	Surface	1.0	0.4	103	28.5	28.5	8.0	8.0	30.2	30.2	85.5	85.5	5.6	5.6	4.8	5.4	4	4	821497	810552				
						1.0	0.4	110	28.5		8.0		30.3		85.4		5.6		4.7		4							
					Middle	4.0	0.5	109	28.5	28.5	8.0	8.0	30.4	30.4	85.4	85.5	5.6	5.6	5.4	5.8	5.6	5.8			5.5	5.8	4	4
						4.0	0.5	115	28.4		8.0		30.4		85.6		5.6		5.5		4							
					Bottom	7.0	0.5	78	28.3	28.3	8.0	8.0	30.5	30.5	86.9	87.2	5.7	5.8	6.1	5.8	5.7	5.8			6.1	4	4	
						7.0	0.5	73	28.3		8.0		30.5		87.5		5.8		6.2		4							
IM12	Fine	Moderate	10:40	7.6	Surface	1.0	0.5	106	28.5	28.5	8.0	8.0	30.4	30.4	83.7	83.6	5.5	5.5	5.1	6.5	4	5	821185	811505				
						1.0	0.5	104	28.5		8.0		30.4		83.5		5.5		5.1		5							
					Middle	3.8	0.5	116	28.4	28.4	8.0	8.0	30.6	30.7	83.7	83.9	5.5	5.5	6.7	5.7	5.5	5.7			6.7	4	6	
						3.8	0.5	121	28.3		8.0		30.7		84.0		5.5		6.7		4							
					Bottom	6.6	0.6	105	28.3	28.3	8.0	7.9	30.7	30.7	86.1	86.7	5.7	5.7	7.8	5.7	5.7	5.7			7.8	5	5	
						6.6	0.6	98	28.2		7.9		30.7		87.2		5.7		7.9		5							
SR1A	Fine	Moderate	10:17	5.0	Surface	1.0	0.0	72	28.3	28.3	7.9	7.9	30.9	30.9	84.6	84.9	5.6	5.6	4.4	4.9	4	4	819973	812656				
						1.0	0.1	72	28.3		7.9		30.9		85.1		5.6		4.4		4							
					Middle	2.5	0.0	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						2.5	0.0	60	-		-		-		-		-		-		-							
					Bottom	4.0	0.0	85	28.1	28.1	7.9	7.9	31.0	31.0	87.6	87.9	5.8	5.8	5.3	5.8	5.8	5.8			5.3	3	3	
						4.0	0.0	90	28.0		7.9		31.0		88.1		5.8		5.3		3							
SR2	Fine	Moderate	10:03	4.8	Surface	1.0	0.5	45	28.3	28.3	7.9	7.9	31.0	31.0	82.0	81.9	5.4	5.4	4.1	5.4	5	4	821459	814167				
						1.0	0.4	48	28.3		7.9		31.1		81.7		5.4		4.2		4							
					Middle	-	0.6	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	5
						-	0.6	50	-		-		-		-		-		-		-							
					Bottom	3.8	0.5	47	28.1	28.1	7.9	7.8	31.5	31.4	83.4	84.5	5.5	5.6	6.0	5.6	5.5	5.6			6.0	5	5	
						3.8	0.5	46	28.0		7.8		31.3		85.5		5.6		6.0		5							
SR3	Cloudy	Moderate	11:01	8.7	Surface	1.0	0.5	175	28.3	28.3	8.1	8.1	26.9	26.9	87.7	87.7	5.9	5.9	2.5	6.2	5	4	822151	807576				
						1.0	0.5	176	28.3		8.1		26.9		87.6		5.9		2.6		5							
					Middle	4.4	0.6	164	28.1	28.1	8.1	8.1	27.2	27.2	85.1	84.9	5.7	5.7	3.5	5.4	5.7	5.4			3.7	4	4	
						4.4	0.6	167	28.1		8.1		27.3		84.7		5.7		3.7		4							
					Bottom	7.7	0.6	150	27.9	27.9	8.1	8.1	28.3	28.3	80.4	80.2	5.4	5.4	12.8	5.4	5.4	5.4			12.8	3	3	
						7.7	0.6	151	27.9		8.1		28.3		79.9		5.4		12.1		3							
SR4A	Cloudy	Moderate	09:52	9.0	Surface	1.0	0.0	84	28.0	28.0	8.2	8.2	29.3	29.3	83.9	83.9	5.6	5.6	7.8	8.4	3	4	817176	807788				
						1.0	0.0	79	28.0		8.2		29.3		83.8		5.6		7.8		3							
					Middle	4.5	0.1	84	28.0	28.0	8.2	8.2	29.3	29.3	83.5	83.5	5.6	5.6	7.8	5.5	5.6	5.5			7.8	4	4	
						4.5	0.1	82	28.0		8.2		29.3		83.5		5.6		7.8		4							
					Bottom	8.0	0.1	68	28.0	28.0	8.2	8.2	29.3	29.3	82.8	82.8	5.5	5.5	9.6	5.5	5.5	5.5			9.6	4	5	
						8.0	0.1	73	28.0		8.2		29.3		82.8		5.5		9.7		5							
SR8	Fine	Moderate	10:35	4.2	Surface	1.0	-	-	28.7	28.7	8.0	8.0	30.7	29.5	83.7	83.6	5.5	5.7	6.1	7.0	4	4	820394	811638				
						1.0	-	-	28.6		8.0		30.7		83.5		5.7		6.1		5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-		-		-		-		-		-		-							
					Bottom	3.2	-	-	28.4	28.4	7.9	7.9	30.8	30.8	85.1	85.7	5.6	5.7	7.9	5.7	5.6	5.7			7.9	4	3	
						3.2	-	-	28.4		7.9		30.8		86.3		5.7		7.8		3							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	16:56	8.4	Surface	1.0	0.2	30	28.3	28.3	8.2	8.2	27.8	27.8	84.7	84.7	5.7	5.6	12.1	12.1	5	4	815608	804233
						1.0	0.2	23	28.3		8.2		27.9	84.6	84.7	5.6	13.0		4					
					Middle	4.2	0.3	12	28.1	28.1	8.2	8.2	29.4	29.4	83.9	83.9	5.6	5.6	10.3	10.3	4			
						4.2	0.2	9	28.1		8.2		29.4	83.9	83.9	5.6	10.5		4					
					Bottom	7.4	0.3	7	28.1	28.1	8.2	8.2	29.6	29.6	84.7	84.8	5.6	5.6	13.2	13.2	4			
						7.4	0.3	12	28.1		8.2		29.6	84.9	84.8	5.6	13.7		3					
C2	Rainy	Moderate	16:02	9.3	Surface	1.0	0.2	202	28.4	28.4	8.1	8.1	23.9	24.0	86.5	85.8	5.9	5.8	5.4	8.1	3	3	825659	806952
						1.0	0.2	206	28.4		8.1		24.1	85.1	85.8	5.8	5.1		3					
					Middle	4.7	0.2	168	28.2	28.2	8.1	8.1	27.4	27.4	76.0	76.0	5.1	5.1	9.6	9.7	3			
						4.7	0.2	165	28.2		8.1		27.4	76.0	76.0	5.1	9.7		3					
					Bottom	8.3	0.1	208	28.2	28.2	8.1	8.1	27.6	27.6	77.2	77.3	5.2	5.2	10.0	10.0	3			
						8.3	0.1	203	28.2		8.1		27.6	77.4	77.3	5.2	9.1		4					
C3	Fine	Moderate	17:16	8.8	Surface	1.0	0.4	272	28.6	28.6	8.0	8.0	31.1	31.1	80.5	80.6	5.3	5.3	2.1	3.3	3	3	822097	817797
						1.0	0.4	272	28.6		8.0		31.1	80.6	80.6	5.3	2.2		3					
					Middle	4.4	0.4	281	28.5	28.5	8.0	8.0	31.2	31.2	80.7	80.8	5.3	5.3	3.4	3.5	3			
						4.4	0.4	275	28.5		8.0		31.2	80.8	80.8	5.3	3.5		3					
					Bottom	7.8	0.4	259	28.5	28.6	8.0	8.0	31.2	31.2	81.4	81.6	5.3	5.3	4.4	4.3	4			
						7.8	0.4	257	28.6		8.0		31.1	81.8	81.6	5.3	4.3		4					
IM1	Rainy	Moderate	16:43	6.7	Surface	1.0	0.1	15	28.4	28.4	8.2	8.2	29.1	29.1	84.5	84.5	5.6	5.6	11.9	11.3	2	3	818353	806464
						1.0	0.1	18	28.3		8.2		29.1	84.5	84.5	5.6	11.8		3					
					Middle	3.4	0.2	30	28.2	28.2	8.2	8.2	29.8	29.8	84.1	84.2	5.6	5.6	11.5	11.5	3			
						3.4	0.1	28	28.1		8.2		29.8	84.3	84.2	5.6	11.5		3					
					Bottom	5.7	0.2	15	28.1	28.1	8.2	8.2	29.8	29.8	85.2	85.3	5.6	5.7	10.1	10.9	4			
						5.7	0.1	14	28.1		8.2		29.8	85.3	85.3	5.7	10.9		3					
IM2	Rainy	Moderate	16:37	6.7	Surface	1.0	0.1	354	28.2	28.2	8.2	8.2	29.3	29.3	84.2	84.2	5.6	5.6	9.4	10.1	3	3	819197	806259
						1.0	0.1	347	28.2		8.2		29.4	84.2	84.2	5.6	9.5		4					
					Middle	3.4	0.1	342	28.2	28.2	8.2	8.2	29.6	29.6	84.5	84.6	5.6	5.6	10.6	10.6	4			
						3.4	0.1	342	28.2		8.2		29.6	84.6	84.6	5.6	10.6		2					
					Bottom	5.7	0.1	348	28.2	28.2	8.2	8.2	29.8	29.8	84.6	84.7	5.6	5.6	10.0	10.3	3			
						5.7	0.1	349	28.2		8.2		29.8	84.7	84.7	5.6	10.3		2					
IM7	Rainy	Moderate	16:19	8.1	Surface	1.0	0.1	287	28.4	28.4	8.1	8.1	26.6	26.6	82.4	82.4	5.5	5.6	5.9	7.4	5	4	821356	806811
						1.0	0.1	292	28.4		8.1		26.6	82.4	82.4	5.5	6.1		4					
					Middle	4.1	0.1	267	28.4	28.4	8.1	8.1	26.8	26.8	83.1	83.3	5.6	5.6	7.5	7.8	4			
						4.1	0.1	262	28.4		8.1		26.8	83.5	83.3	5.6	7.8		3					
					Bottom	7.1	0.1	259	28.4	28.4	8.1	8.1	26.8	26.8	85.6	85.8	5.7	5.8	8.5	8.6	4			
						7.1	0.1	251	28.4		8.1		26.8	85.9	85.8	5.8	8.6		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 06 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA				
IM10	Fine	Moderate	16:03	7.4	Surface	1.0	0.1	258	28.8	28.8	8.0	8.0	29.4	29.5	83.1	83.2	5.5	5.5	5.5	5.5	1.7	1.7	3	3	822227	809817				
						1.0	0.2	260	28.8	8.0	8.0	29.5	29.5	83.3	83.2	5.5	5.5	5.5	5.5	1.7	1.7	2	2							
					Middle	3.7	0.2	255	28.8	28.8	8.0	8.0	29.6	29.6	84.2	84.3	5.5	5.5	5.5	5.5	2.9	2.9	3	3						
						3.7	0.2	257	28.8	28.8	8.0	8.0	29.6	29.6	84.4	84.3	5.5	5.5	5.5	5.5	3.0	3.0	4	4						
					Bottom	6.4	0.1	280	28.8	28.8	7.9	7.9	29.7	29.6	85.9	86.3	5.6	5.7	5.6	5.7	3.8	3.8	3	3						
						6.4	0.1	286	28.8	28.8	7.9	7.9	29.6	29.6	86.6	86.3	5.7	5.7	5.7	5.7	3.8	3.8	4	4						
IM11	Fine	Moderate	16:19	8.0	Surface	1.0	0.3	285	29.0	29.0	8.0	8.0	29.3	29.3	87.6	87.7	5.7	5.7	5.7	5.7	2.5	2.5	3	3	821515	810551				
						1.0	0.3	279	29.0	29.0	8.0	8.0	29.4	29.3	87.7	87.7	5.7	5.7	5.7	5.7	2.5	2.5	3	3						
					Middle	4.0	0.3	283	29.0	29.0	8.0	8.0	29.6	29.6	88.1	88.3	5.8	5.8	5.8	5.8	3.5	3.5	3	3						
						4.0	0.2	282	28.9	29.0	8.0	8.0	29.7	29.6	88.4	88.3	5.8	5.8	5.8	5.8	3.5	3.5	3	3						
					Bottom	7.0	0.3	261	28.9	28.9	8.0	7.9	29.8	29.7	89.4	89.8	5.8	5.9	5.8	5.9	4.2	4.2	3	3						
						7.0	0.3	260	28.9	28.9	7.9	7.9	29.7	29.7	90.2	89.8	5.9	5.9	5.9	5.9	4.2	4.2	3	3						
IM12	Fine	Moderate	16:24	8.2	Surface	1.0	0.4	282	29.0	29.0	8.0	8.0	29.7	29.8	88.0	88.0	5.7	5.7	5.7	5.7	1.8	1.7	2	2	821185	811503				
						1.0	0.4	281	29.0	29.0	8.0	8.0	29.8	29.8	88.0	88.0	5.8	5.8	5.8	5.8	1.7	1.7	2	2						
					Middle	4.1	0.3	288	29.0	29.0	8.0	8.0	29.9	29.9	88.1	88.2	5.7	5.7	5.7	5.7	2.3	2.3	2	2						
						4.1	0.4	285	29.0	29.0	8.0	8.0	29.9	29.9	88.2	88.2	5.7	5.7	5.7	5.7	2.4	2.4	2	2						
					Bottom	7.2	0.3	274	29.4	29.5	8.0	8.0	29.6	29.5	88.8	89.1	5.8	5.8	5.8	5.8	4.0	4.0	4	4						
						7.2	0.3	268	29.6	29.5	8.0	8.0	29.5	29.5	89.3	89.1	5.8	5.8	5.8	5.8	4.0	4.0	3	3						
SR1A	Fine	Moderate	16:44	5.8	Surface	1.0	0.0	184	29.0	29.0	8.1	8.1	30.3	30.3	86.4	86.5	5.6	5.6	5.6	5.6	6.1	6.2	3	3	819973	812654				
						1.0	0.0	181	29.0	29.0	8.1	8.1	30.3	30.3	86.5	86.5	5.6	5.6	5.6	5.6	6.2	6.2	3	3						
					Middle	2.9	0.0	183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						2.9	0.0	178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.8	0.0	195	29.0	29.0	8.1	8.1	30.3	30.3	86.8	86.9	5.7	5.7	5.7	5.7	7.4	7.4	4	4						
						4.8	0.0	197	29.0	29.0	8.1	8.1	30.3	30.3	87.0	86.9	5.7	5.7	5.7	5.7	7.5	7.5	3	3						
SR2	Fine	Moderate	16:55	5.6	Surface	1.0	0.1	219	28.9	28.9	8.0	8.0	30.1	30.1	89.1	89.0	5.8	5.8	5.8	5.8	3.0	3.1	3	3	821465	814151				
						1.0	0.0	218	28.9	28.9	8.0	8.0	30.0	30.0	88.8	89.0	5.8	5.8	5.8	5.8	3.1	3.1	3	3						
					Middle	-	0.1	219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	0.1	217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.6	0.1	241	29.1	29.2	8.0	7.9	29.9	29.8	89.1	89.7	5.8	5.9	5.8	5.9	4.4	4.5	4	4						
						4.6	0.0	243	29.2	29.2	7.9	7.9	29.8	29.8	90.3	89.7	5.9	5.9	5.9	5.9	4.5	4.5	3	3						
SR3	Rainy	Moderate	16:14	8.5	Surface	1.0	0.1	205	28.4	28.4	8.1	8.1	26.4	26.5	84.2	82.5	5.7	5.4	5.5	5.5	2.5	2.4	5	4	822136	807562				
						1.0	0.1	204	28.4	28.4	8.1	8.1	26.5	26.5	80.7	81.4	5.4	5.5	5.5	5.5	2.4	7.4	4	3						
					Middle	4.3	0.1	219	28.3	28.3	8.1	8.1	26.8	26.8	81.3	81.4	5.5	5.5	5.5	5.5	7.2	7.2	3	3						
						4.3	0.1	214	28.3	28.3	8.1	8.1	26.8	26.8	81.5	81.4	5.5	5.5	5.5	5.5	7.2	7.2	3	3						
					Bottom	7.5	0.0	197	28.3	28.3	8.1	8.1	26.9	27.0	82.4	82.6	5.5	5.6	5.5	5.6	9.9	9.9	2	2						
						7.5	0.1	191	28.2	28.3	8.1	8.1	27.0	27.0	82.7	82.6	5.6	5.6	5.6	5.6	9.5	9.5	3	3						
SR4A	Rainy	Moderate	17:11	8.5	Surface	1.0	0.0	233	28.7	28.7	8.1	8.1	28.2	28.2	86.1	86.1	5.7	5.7	5.7	5.7	13.0	13.6	2	3	817200	807789				
						1.0	0.0	229	28.7	28.7	8.1	8.1	28.2	28.2	86.1	86.1	5.7	5.7	5.7	5.7	13.6	13.6	3	3						
					Middle	4.3	0.0	228	28.7	28.7	8.1	8.1	28.3	28.3	86.8	86.9	5.7	5.8	5.7	5.8	13.1	13.1	4	4						
						4.3	0.1	220	28.7	28.7	8.1	8.1	28.3	28.3	87.0	86.9	5.8	5.8	5.8	5.8	13.1	13.1	3	3						
					Bottom	7.5	0.0	198	28.6	28.6	8.1	8.1	28.4	28.4	88.2	88.3	5.8	5.9	5.8	5.9	13.4	13.2	5	4						
						7.5	0.0	201	28.6	28.6	8.1	8.1	28.4	28.4	88.4	88.3	5.9	5.9	5.9	5.9	13.2	13.2	4	4						
SR8	Fine	Moderate	16:28	5.0	Surface	1.0	-	-	29.5	29.5	8.0	8.0	29.6	29.6	91.7	91.7	5.9	5.9	5.9	5.9	3.0	3.0	3	3	820403	811612				
						1.0	-	-	29.5	29.5	8.0	8.0	29.6	29.6	91.6	91.7	5.9	5.9	5.9	5.9	3.0	3.0	3	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	4.0	-	-	29.8	29.9	7.9	7.9	29.2	29.2	92.2	92.5	6.0	6.0	6.0	6.0	4.1	4.1	3	3						
						4.0	-	-	29.9	29.9	7.9	7.9	29.2	29.2	92.8	92.5	6.0	6.0	6.0	6.0	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 08 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	11:59	8.4	Surface	1.0	0.5	215	28.1	8.3	8.3	30.0	30.1	93.7	93.7	6.2	6.2	6.2	13.0	8	7	815613	804236	
						1.0	0.6	214	28.1	8.3	8.3	30.1	30.1	93.7	93.7	6.2	6.2							
					Middle	4.2	0.5	204	27.9	8.3	8.3	30.9	30.9	93.5	93.5	6.2	6.2	6.2	13.0	6	6			
						4.2	0.5	200	27.9	8.3	8.3	30.9	30.9	93.4	93.4	6.2	6.2							
					Bottom	7.4	0.5	228	27.9	8.3	8.3	30.9	30.9	93.0	93.0	6.2	6.2	6.2	13.0	6	7			
						7.4	0.5	230	27.8	8.3	8.3	30.9	30.9	92.9	93.0	6.2	6.2							
C2	Cloudy	Moderate	13:29	10.7	Surface	1.0	0.5	176	28.5	8.1	8.1	26.7	26.7	84.7	84.8	5.7	5.7	5.7	10.7	4	5	825704	806937	
						1.0	0.5	170	28.5	8.1	8.1	26.7	26.7	84.8	84.8	5.7	5.7							
					Middle	5.4	0.5	145	28.4	8.1	8.1	27.0	27.0	85.0	85.0	5.7	5.7	5.7	10.7	4	5			
						5.4	0.5	140	28.4	8.1	8.1	27.0	27.0	84.9	84.9	5.7	5.7							
					Bottom	9.7	0.4	150	28.4	8.1	8.1	27.0	27.0	83.3	83.3	5.6	5.6	5.6	12.6	5	6			
						9.7	0.4	145	28.4	8.1	8.1	27.0	27.0	83.3	83.3	5.6	5.6							
C3	Fine	Moderate	11:44	9.6	Surface	1.0	0.3	79	28.5	7.9	7.9	32.4	32.4	79.1	79.1	5.1	5.1	5.2	3.7	5	5	822126	817818	
						1.0	0.3	73	28.4	7.9	7.9	32.5	32.4	79.0	79.0	5.1	5.1							
					Middle	4.8	0.3	64	28.4	7.9	7.9	32.8	32.8	79.5	79.6	5.2	5.2	5.2	3.7	5	4			
						4.8	0.3	60	28.4	7.9	7.9	32.8	32.8	79.7	79.6	5.2	5.2							
					Bottom	8.6	0.4	94	28.4	7.9	7.9	32.7	32.7	81.4	81.5	5.3	5.3	5.3	4.7	7	6			
						8.6	0.4	96	28.3	7.9	7.9	32.7	32.7	81.6	81.5	5.3	5.3							
IM1	Cloudy	Moderate	12:19	6.2	Surface	1.0	0.4	203	28.1	8.3	8.3	29.6	29.6	91.3	91.3	6.1	6.1	6.1	12.1	10	9	818359	806441	
						1.0	0.4	200	28.1	8.3	8.3	29.6	29.6	91.3	91.3	6.1	6.1							
					Middle	3.1	0.4	192	28.0	8.3	8.3	30.1	30.1	91.2	91.2	6.0	6.0	6.0	14.0	8	8			
						3.1	0.3	198	28.0	8.3	8.3	30.1	30.1	91.2	91.2	6.0	6.0							
					Bottom	5.2	0.4	201	28.0	8.2	8.2	30.4	30.4	91.0	91.0	6.0	6.0	6.0	13.9	8	8			
						5.2	0.4	202	28.0	8.2	8.2	30.4	30.4	91.0	91.0	6.0	6.0							
IM2	Cloudy	Moderate	12:27	7.0	Surface	1.0	0.5	209	28.2	8.2	8.2	29.9	29.8	91.0	91.0	6.0	6.0	6.0	9.2	8	8	819163	806240	
						1.0	0.4	215	28.2	8.2	8.2	29.8	29.8	91.0	91.0	6.0	6.0							
					Middle	3.5	0.5	210	28.1	8.2	8.2	30.1	30.1	90.7	90.7	6.0	6.0	6.0	12.9	7	8			
						3.5	0.4	208	28.1	8.2	8.2	30.1	30.1	90.7	90.7	6.0	6.0							
					Bottom	6.0	0.5	218	28.0	8.2	8.2	30.4	30.4	90.5	90.7	6.0	6.0	6.0	12.3	7	8			
						6.0	0.5	214	28.0	8.2	8.2	30.4	30.4	90.8	90.7	6.0	6.0							
IM7	Cloudy	Moderate	12:53	7.5	Surface	1.0	0.4	188	28.3	8.1	8.1	28.3	28.3	88.0	88.0	5.9	5.9	5.9	5.7	6	6	821364	806829	
						1.0	0.4	180	28.3	8.1	8.1	28.3	28.3	88.0	88.0	5.9	5.9							
					Middle	3.8	0.3	183	28.2	8.2	8.2	28.5	28.6	89.2	89.3	5.9	5.9	5.9	4.3	6	6			
						3.8	0.3	180	28.2	8.2	8.2	28.6	28.6	89.3	89.3	5.9	5.9							
					Bottom	6.5	0.3	208	28.0	8.2	8.2	29.8	29.8	90.8	90.8	6.0	6.0	6.0	8.9	6	6			
						6.5	0.3	210	28.0	8.2	8.2	29.8	29.8	91.0	90.9	6.0	6.0							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Fine	Moderate	13:11	9.2	Surface	1.0	0.4	131	28.7	28.7	8.1	8.1	31.0	31.0	89.6	89.7	5.8	5.9	7.7	8.4	8	9	822248	809829			
						1.0	0.5	126	28.7	8.1	8.1	31.0	31.0	89.7	89.7	5.8	5.9	7.6	8.4	7							
					Middle	4.6	0.5	122	28.7	28.8	8.1	8.1	31.0	31.0	90.0	90.1	5.9	5.9	8.0	8.4	9						
						4.6	0.5	117	28.8	28.8	8.1	8.1	31.0	31.0	90.2	90.1	5.9	5.9	8.0	8.4	9						
					Bottom	8.2	0.5	131	28.9	28.9	8.0	8.0	30.9	30.9	90.7	90.9	5.9	5.9	9.4	8.4	10						
						8.2	0.5	131	28.9	28.9	8.0	8.0	30.9	30.9	91.1	90.9	5.9	5.9	9.5	8.4	10						
IM11	Fine	Moderate	13:07	8.2	Surface	1.0	0.5	98	28.8	28.8	8.1	8.1	30.8	30.8	89.7	89.7	5.8	5.9	7.5	8.2	6	7	821484	810561			
						1.0	0.5	91	28.8	28.8	8.1	8.1	30.8	30.8	89.6	89.7	5.8	5.9	7.5	8.2	6						
					Middle	4.1	0.5	118	28.7	28.7	8.1	8.1	30.9	30.9	89.8	89.9	5.9	5.9	8.1	8.2	6						
						4.1	0.5	123	28.7	28.7	8.1	8.1	30.9	30.9	89.9	89.9	5.9	5.9	8.1	8.2	6						
					Bottom	7.2	0.5	92	28.7	28.7	8.0	8.0	30.9	30.9	90.6	90.9	5.9	5.9	9.1	8.2	7						
						7.2	0.5	96	28.7	28.7	8.0	8.0	30.9	30.9	91.2	90.9	5.9	5.9	9.0	8.2	8						
IM12	Fine	Moderate	12:46	7.6	Surface	1.0	0.6	96	28.7	28.7	8.0	8.0	30.7	30.7	88.4	88.4	5.8	5.8	6.8	7.4	10	12	821168	811521			
						1.0	0.6	98	28.6	28.7	8.0	8.0	30.7	30.7	88.4	88.4	5.8	5.8	6.7	7.4	10						
					Middle	3.8	0.5	87	28.6	28.6	8.0	8.0	30.8	30.7	88.7	88.8	5.8	5.8	7.4	7.4	13						
						3.8	0.5	83	28.6	28.6	8.0	8.0	30.7	30.7	88.9	88.8	5.8	5.8	7.5	7.4	12						
					Bottom	6.6	0.5	108	28.7	28.7	8.0	8.0	30.7	30.7	90.3	90.7	5.9	5.9	8.0	7.4	13						
						6.6	0.6	103	28.7	28.7	8.0	8.0	30.7	30.7	91.0	90.7	5.9	5.9	8.0	7.4	14						
SR1A	Fine	Moderate	12:24	4.4	Surface	1.0	0.0	57	28.8	28.8	8.0	8.0	30.9	30.9	87.8	88.0	5.7	5.7	4.0	4.0	6	6	819981	812663			
						1.0	0.0	60	28.7	28.8	8.0	8.0	30.9	30.9	88.1	88.0	5.7	5.7	4.0	4.0	8						
					Middle	2.2	0.1	80	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4.0	-
						2.2	0.1	74	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4.0	-
					Bottom	3.4	0.0	61	28.7	28.7	7.9	7.9	30.9	30.9	89.6	90.3	5.8	5.9	4.1	4.0	4						
						3.4	0.1	67	28.7	28.7	7.9	7.9	30.9	30.9	91.0	90.3	5.9	5.9	4.1	4.0	5						
SR2	Fine	Moderate	12:12	5.0	Surface	1.0	0.5	34	28.6	28.6	8.0	8.0	30.6	30.7	88.1	88.1	5.8	5.8	5.3	5.7	5	5	821455	814169			
						1.0	0.5	34	28.6	28.6	8.0	8.0	30.7	30.7	88.1	88.1	5.8	5.8	5.4	5.7	4						
					Middle	-	0.5	21	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.7	-
						-	0.5	27	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.7	-
					Bottom	4.0	0.5	29	28.5	28.5	7.9	7.9	30.8	30.5	89.4	90.8	5.9	6.0	6.0	6.0	6.1				6.0	5	
						4.0	0.4	32	28.4	28.5	7.9	7.9	30.3	30.5	92.1	90.8	6.1	6.0	6.1	6.0	6.1				6.0	6	
SR3	Cloudy	Moderate	13:03	8.6	Surface	1.0	0.4	177	28.6	28.6	8.1	8.1	28.0	28.0	86.7	86.7	5.8	5.9	3.8	7.9	6	7	822155	807573			
						1.0	0.4	170	28.6	28.6	8.1	8.1	28.0	28.0	86.7	86.7	5.8	5.8	3.8	7.9	5						
					Middle	4.3	0.5	176	28.2	28.2	8.2	8.2	28.8	28.8	88.2	88.3	5.9	5.9	9.1	7.9	6						
						4.3	0.5	178	28.2	28.2	8.2	8.2	28.8	28.8	88.3	88.3	5.9	5.9	9.6	7.9	7						
					Bottom	7.6	0.4	173	28.2	28.2	8.2	8.2	28.9	28.9	90.5	90.6	6.0	6.0	10.7	7.9	8						
						7.6	0.5	178	28.2	28.2	8.2	8.2	28.9	28.9	90.6	90.6	6.0	6.0	10.7	7.9	8						
SR4A	Cloudy	Moderate	11:42	9.2	Surface	1.0	0.0	68	28.1	28.1	8.2	8.2	30.1	30.1	91.7	91.7	6.1	6.1	8.6	10.5	11	11	817210	807810			
						1.0	0.0	63	28.1	28.1	8.2	8.2	30.1	30.1	91.6	91.7	6.1	6.1	8.8	10.5	12						
					Middle	4.6	0.0	93	28.0	28.0	8.2	8.2	30.4	30.4	90.7	90.7	6.0	6.0	11.6	10.5	11						
						4.6	0.0	99	28.0	28.0	8.2	8.2	30.4	30.4	90.7	90.7	6.0	6.0	11.6	10.5	11						
					Bottom	8.2	0.0	95	28.0	28.0	8.2	8.2	30.4	30.4	91.0	91.1	6.0	6.0	11.4	10.5	10						
						8.2	0.0	98	28.0	28.0	8.2	8.2	30.4	30.4	91.1	91.1	6.0	6.0	11.1	10.5	9						
SR8	Fine	Moderate	12:42	4.2	Surface	1.0	-	-	28.9	28.9	8.0	8.0	30.7	30.7	89.1	89.1	5.8	5.8	5.2	5.9	5	6	820391	811606			
						1.0	-	-	28.8	28.9	8.0	8.0	30.7	30.7	89.0	89.1	5.8	5.8	5.2	5.9	6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.9	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.9	-
					Bottom	3.2	-	-	28.7	28.7	8.0	8.0	30.8	30.6	90.4	90.9	5.9	6.0	6.5	5.9	6.0				6.5	7	
						3.2	-	-	28.7	28.7	8.0	8.0	30.4	30.6	91.4	90.9	6.0	6.0	6.5	5.9	6.0				6.5	6	

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

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Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	18:10	8.5	Surface	1.0	0.3	21	28.2	28.2	8.2	8.2	29.2	29.2	90.4	90.5	6.0	6.0	6.0	15.7	13.9	20	19	815638	804269	
						1.0	0.3	23	28.2		8.2		29.2		90.5		6.0					15.9				21
					Middle	4.3	0.4	15	28.2	28.2	8.2	8.2	29.4	29.4	91.2	91.3	6.0	6.1	6.1	6.1	13.7	13.7				20
						4.3	0.3	19	28.2		8.2		29.4		91.3		6.1									13.7
					Bottom	7.5	0.3	17	28.1	28.1	8.2	8.2	29.6	29.6	92.0	92.1	6.1	6.1	6.1	6.1	12.6	12.6				16
						7.5	0.4	16	28.1		8.2		29.6		92.1		6.1									12.1
C2	Cloudy	Moderate	17:02	10.4	Surface	1.0	0.1	167	28.5	28.5	8.1	8.1	26.7	26.7	84.4	84.4	5.6	5.7	5.7	4.4	8.7	9	8	825689	806953	
						1.0	0.0	162	28.5		8.1		26.7		84.4		5.7					4.4				8
					Middle	5.2	0.2	185	28.4	28.4	8.1	8.1	27.1	27.1	85.1	85.1	5.7	5.7	5.7	5.7	10.3	10.3				8
						5.2	0.2	188	28.4		8.1		27.1		85.1		5.7									10.3
					Bottom	9.4	0.1	158	28.4	28.4	8.1	8.1	27.1	27.1	84.8	84.8	5.7	5.7	5.7	5.7	11.6	11.6				8
						9.4	0.2	163	28.4		8.1		27.1		84.8		5.7									11.1
C3	Fine	Moderate	17:58	8.6	Surface	1.0	0.4	271	28.5	28.5	8.0	8.0	31.4	31.0	87.6	87.1	5.7	5.5	5.5	7.5	8.3	9	7	822126	817797	
						1.0	0.4	276	28.5		8.0		30.6		86.5		6.0					7.6				8
					Middle	4.3	0.5	247	28.5	28.5	8.0	8.0	32.1	32.1	79.1	78.9	5.1	5.1	5.1	5.1	8.2	8.2				6
						4.3	0.5	245	28.5		8.0		32.1		78.7		5.1									8.2
					Bottom	7.6	0.4	272	28.5	28.5	8.0	8.0	32.1	32.1	77.6	79.1	5.0	5.1	5.1	5.1	9.1	9.1				6
						7.6	0.5	274	28.5		8.0		32.1		80.5		5.2									9.0
IM1	Cloudy	Moderate	17:54	6.0	Surface	1.0	0.2	18	28.3	28.3	8.2	8.2	29.8	29.8	92.4	92.3	6.1	6.1	6.1	6.0	7.5	6	7	818334	806471	
						1.0	0.2	19	28.3		8.2		29.8		92.2		6.1					6.2				6
					Middle	3.0	0.1	10	28.2	28.2	8.2	8.2	29.9	30.0	91.3	91.3	6.0	6.0	6.0	6.0	6.8	6.9				6
						3.0	0.1	17	28.1		8.2		30.0		91.3		6.0									6.9
					Bottom	5.0	0.2	4	28.0	28.0	8.3	8.3	30.8	30.8	91.3	91.3	6.0	6.0	6.0	6.0	9.9	9.4				7
						5.0	0.2	359	28.0		8.3		30.8		91.3		6.0									9.4
IM2	Cloudy	Moderate	17:47	7.0	Surface	1.0	0.1	326	28.2	28.2	8.2	8.2	29.8	29.8	93.9	93.9	6.2	6.2	6.2	5.3	9.2	6	8	819200	806239	
						1.0	0.1	323	28.2		8.2		29.8		93.9		6.2					5.3				7
					Middle	3.5	0.0	320	28.1	28.1	8.2	8.2	30.3	30.3	92.3	92.3	6.1	6.1	6.1	6.1	8.9	9.2				8
						3.5	0.1	316	28.1		8.2		30.3		92.2		6.1									9.2
					Bottom	6.0	0.1	290	28.0	28.0	8.3	8.3	30.7	30.7	91.9	92.0	6.1	6.1	6.1	6.1	13.6	13.2				8
						6.0	0.1	296	28.0		8.3		30.7		92.0		6.1									13.2
IM7	Cloudy	Moderate	17:28	8.0	Surface	1.0	0.2	279	28.3	28.3	8.1	8.1	27.9	27.9	86.4	86.5	5.8	5.9	5.9	8.0	9.5	10	10	821356	806822	
						1.0	0.2	280	28.3		8.1		27.9		86.5		5.8					8.2				11
					Middle	4.0	0.2	273	28.3	28.3	8.2	8.2	28.1	28.1	88.6	88.6	5.9	5.9	5.9	5.9	9.8	9.8				10
						4.0	0.2	266	28.3		8.2		28.1		88.6		5.9									9.8
					Bottom	7.0	0.2	262	28.1	28.1	8.2	8.2	28.3	28.3	90.2	90.4	6.0	6.1	6.1	6.1	10.5	10.6				10
						7.0	0.1	266	28.0		8.2		28.3		90.5		6.1									10.6

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 08 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Fine	Moderate	17:07	7.4	Surface	1.0	0.2	236	28.6	28.6	8.1	8.1	31.0	31.0	89.3	89.3	5.8	5.8	5.7	7	8	822238	809860				
						1.0	0.2	235	28.6	8.1	8.1	31.0	31.0	89.3	89.3	5.8	5.8	5.8	6								
					Middle	3.7	0.2	263	28.6	28.6	8.1	8.1	31.0	31.0	89.4	89.4	5.8	5.8	6.7	6.7				6.7	9		
						3.7	0.2	259	28.6	28.6	8.1	8.1	31.0	31.0	89.4	89.4	5.8	5.8	6.8	6.8				6.8	8		
					Bottom	6.4	0.2	252	28.6	28.6	8.1	8.1	31.0	31.0	89.4	89.4	5.8	5.8	7.6	7.6				7.6	10		
						6.4	0.1	251	28.6	28.6	8.1	8.1	31.0	31.0	89.4	89.4	5.8	5.8	7.6	7.6				7.6	9		
IM11	Fine	Moderate	17:11	7.2	Surface	1.0	0.3	273	28.7	28.7	8.1	8.1	31.0	31.0	90.2	90.2	5.9	5.9	7.8	8	9	821480	810560				
						1.0	0.4	270	28.7	28.7	8.1	8.1	31.0	31.0	90.2	90.2	5.9	5.9	7.7	7.7				7.7	8		
					Middle	3.6	0.4	257	28.7	28.8	8.1	8.0	31.0	31.0	90.5	90.7	5.9	5.9	8.8	8.8				8.8	8		
						3.6	0.4	251	28.8	28.8	8.0	8.0	31.0	31.0	90.8	90.7	5.9	5.9	8.7	8.7				8.7	9		
					Bottom	6.2	0.3	287	28.9	28.9	8.0	8.0	31.0	30.9	91.9	92.2	6.0	6.0	9.0	9.0				9.0	10		
						6.2	0.3	281	28.9	28.9	8.0	8.0	30.9	30.9	92.5	92.2	6.0	6.0	9.0	9.0				9.0	9		
IM12	Fine	Moderate	17:13	8.6	Surface	1.0	0.3	269	28.7	28.7	8.1	8.1	31.0	31.0	88.4	88.5	5.8	5.8	6.1	10	11	821141	811506				
						1.0	0.4	270	28.7	28.7	8.1	8.1	31.0	31.0	88.5	88.5	5.8	5.8	6.2	6.2				6.2	10		
					Middle	4.3	0.3	276	28.7	28.7	8.1	8.1	31.0	31.1	88.7	88.8	5.8	5.8	7.1	7.1				7.1	11		
						4.3	0.4	274	28.6	28.7	8.1	8.1	31.1	31.1	88.8	88.8	5.8	5.8	7.1	7.1				7.1	12		
					Bottom	7.6	0.3	282	28.7	28.7	8.0	8.0	31.0	31.0	89.6	89.9	5.8	5.8	8.0	8.0				8.0	12		
						7.6	0.3	274	28.7	28.7	8.0	8.0	31.0	31.0	90.2	89.9	5.9	5.9	8.1	8.1				8.1	12		
SR1A	Fine	Moderate	17:31	5.6	Surface	1.0	0.1	203	28.8	28.8	8.0	8.0	30.8	30.8	84.9	85.0	5.5	5.5	5.9	4	5	819977	812656				
						1.0	0.1	209	28.8	28.8	8.0	8.0	30.8	30.8	85.0	85.0	5.5	5.5	5.9	5.9				5.9	5		
					Middle	2.8	0.0	186	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.8	0.1	182	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.6	0.0	173	28.7	28.7	8.0	8.0	30.8	30.8	85.3	85.5	5.6	5.6	6.0	6.0				6.0	5		
						4.6	0.1	166	28.7	28.7	8.0	8.0	30.8	30.8	85.6	85.5	5.6	5.6	6.0	6.0				6.0	6		
SR2	Fine	Moderate	17:42	5.0	Surface	1.0	0.2	220	28.6	28.6	8.0	8.0	31.1	31.1	89.2	89.3	5.8	5.8	8.3	6	7	821446	814145				
						1.0	0.2	216	28.6	28.6	8.0	8.0	31.1	31.1	89.4	89.3	5.8	5.8	8.3	8.3				8.3	5		
					Middle	-	0.2	214	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.2	208	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.0	0.1	235	28.6	28.6	8.0	8.0	31.3	31.3	91.4	91.8	6.0	6.0	9.0	9.0				9.0	9		
						4.0	0.2	235	28.6	28.6	8.0	8.0	31.3	31.3	92.1	91.8	6.0	6.0	9.0	9.0				9.0	9		
SR3	Cloudy	Moderate	17:21	8.3	Surface	1.0	0.1	251	28.2	28.2	8.2	8.2	27.7	27.7	84.7	84.7	5.7	5.7	12.0	10	8	822148	807587				
						1.0	0.1	251	28.2	28.2	8.2	8.2	27.8	27.8	84.6	84.7	5.7	5.7	12.2	12.2				12.2	9		
					Middle	4.2	0.1	283	28.2	28.2	8.2	8.2	28.1	28.1	84.7	84.7	5.7	5.7	14.2	14.2				14.2	8		
						4.2	0.1	283	28.2	28.2	8.2	8.2	28.1	28.1	84.7	84.7	5.7	5.7	14.4	14.4				14.4	7		
					Bottom	7.3	0.1	244	28.1	28.1	8.2	8.2	28.3	28.2	85.3	85.3	5.7	5.7	15.8	15.8				15.8	6		
						7.3	0.1	244	28.1	28.1	8.2	8.2	28.2	28.2	85.3	85.3	5.7	5.7	15.9	15.9				15.9	6		
SR4A	Cloudy	Moderate	18:29	8.4	Surface	1.0	0.0	219	28.3	28.3	8.2	8.2	29.0	29.0	87.4	87.5	5.8	5.8	11.0	25	23	817186	807793				
						1.0	0.0	219	28.3	28.3	8.2	8.2	29.0	29.0	87.5	87.5	5.8	5.8	10.3	10.3				10.3	24		
					Middle	4.2	0.1	215	28.3	28.3	8.2	8.2	29.0	29.0	88.1	88.2	5.8	5.8	11.3	11.3				11.3	22		
						4.2	0.1	217	28.3	28.3	8.2	8.2	29.0	29.0	88.3	88.2	5.9	5.9	11.4	11.4				11.4	23		
					Bottom	7.4	0.0	212	28.3	28.3	8.2	8.2	29.0	29.0	90.0	90.1	6.0	6.0	15.1	15.1				15.1	21		
						7.4	0.0	209	28.3	28.3	8.2	8.2	29.0	29.0	90.2	90.1	6.0	6.0	15.7	15.7				15.7	22		
SR8	Fine	Moderate	17:16	5.4	Surface	1.0	-	-	28.8	28.8	8.0	8.0	30.7	30.7	89.4	89.6	5.8	5.8	3.2	10	10	820391	811616				
						1.0	-	-	28.8	28.8	8.0	8.0	30.7	30.7	89.7	89.6	5.8	5.8	3.2	3.2				3.2	8		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.4	-	-	28.9	28.9	8.0	8.0	30.6	29.7	90.7	91.4	5.9	5.9	5.0	5.0				5.0	10		
						4.4	-	-	28.9	28.9	8.0	8.0	28.8	28.8	92.1	92.1	6.0	6.0	4.9	4.9				4.9	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 11 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Rainy	Moderate	13:06	8.2	Surface	1.0	0.2	216	<u>26.7</u>	26.7	8.2	8.2	31.9	31.9	95.3	95.3	6.4	6.4	5.8	7.5	4	5	815625	804247		
						1.0	0.2	219	26.7		8.2		31.9		95.3		6.4		5.8		6					
					Middle	4.1	0.3	220	<u>26.6</u>	26.6	8.2	8.2	31.9	31.9	93.6	93.6	6.3	6.3	6.6	6.3	6.6	6.3			5	5
						4.1	0.2	226	26.6		8.2		31.9		93.6		6.3		6.6		5					
					Bottom	7.2	0.2	220	<u>26.5</u>	26.5	8.2	8.2	31.8	31.8	93.6	93.7	6.3	6.3	10.4	6.3	10.4	6.3			5	5
						7.2	0.2	223	26.5		8.2		31.8		93.8		6.3		10.1		5					
C2	Rainy	Moderate	12:05	11.1	Surface	1.0	0.0	17	<u>26.7</u>	26.7	8.1	8.1	29.6	29.6	89.5	89.6	6.1	6.2	4.1	7.5	7	8	825688	806960		
						1.0	0.0	17	26.7		8.1		29.6		89.6		6.1		4.2		7					
					Middle	5.6	0.0	17	<u>26.4</u>	26.4	8.1	8.1	30.1	30.1	91.5	91.6	6.2	6.2	7.8	6.2	8.2	6.2			8	8
						5.6	0.0	10	26.4		8.1		30.2		91.6		6.2		8.2		8					
					Bottom	10.1	0.1	10	<u>26.2</u>	26.2	8.1	8.1	30.5	30.5	91.1	91.1	6.2	6.2	10.7	6.2	10.7	6.2			7	8
						10.1	0.1	8	26.2		8.1		30.4		91.0		6.2		10.2		9					
C3	Fine	Moderate	13:08	8.6	Surface	1.0	0.3	67	<u>27.6</u>	27.6	8.2	8.2	33.6	33.6	90.7	90.9	5.9	6.0	1.1	2.4	11	12	822121	817782		
						1.0	0.3	71	27.6		8.2		33.6		91.0		5.9		1.2		13					
					Middle	4.3	0.3	93	<u>27.6</u>	27.6	8.2	8.2	33.7	33.7	92.3	92.6	6.0	6.2	3.0	6.2	3.0	6.2			11	12
						4.3	0.4	99	27.6		8.2		33.7		92.8		6.1		3.1		12					
					Bottom	7.6	0.3	94	<u>27.6</u>	27.6	8.2	8.2	33.7	33.7	94.1	94.6	6.2	6.2	3.1	6.2	3.1	6.2			12	11
						7.6	0.3	97	27.6		8.2		33.6		95.1		6.2		3.1		11					
IM1	Rainy	Moderate	12:54	6.8	Surface	1.0	0.2	190	<u>26.4</u>	26.4	8.2	8.2	30.9	30.9	93.4	93.4	6.3	6.3	6.6	8.8	5	7	818356	806463		
						1.0	0.1	194	26.4		8.2		30.9		93.3		6.3		6.8		6					
					Middle	3.4	0.1	180	<u>26.3</u>	26.3	8.2	8.2	31.2	31.2	92.2	92.2	6.2	6.2	8.4	6.2	8.5	6.2			9	7
						3.4	0.1	179	26.3		8.2		31.2		92.2		6.2		8.5		9					
					Bottom	5.8	0.1	208	<u>26.4</u>	26.4	8.2	8.2	31.5	31.4	90.2	90.1	6.1	6.1	11.4	6.1	11.4	6.1			7	8
						5.8	0.1	212	26.4		8.2		31.4		89.9		6.1		11.4		8					
IM2	Rainy	Moderate	12:49	7.5	Surface	1.0	0.1	144	<u>26.3</u>	26.3	8.2	8.2	30.9	31.0	92.9	92.9	6.3	6.3	5.4	6.7	6	6	819195	806249		
						1.0	0.1	136	26.3		8.2		31.0		92.8		6.3		5.6		7					
					Middle	3.8	0.1	153	<u>26.3</u>	26.3	8.2	8.2	31.3	31.3	92.7	92.8	6.3	6.3	7.2	6.3	7.2	6.3			6	6
						3.8	0.1	158	26.3		8.2		31.3		92.8		6.3		7.2		5					
					Bottom	6.5	0.0	131	<u>26.4</u>	26.4	8.2	8.2	31.4	31.4	93.6	93.7	6.3	6.3	6.9	6.3	6.9	6.3			6	6
						6.5	0.0	127	26.4		8.2		31.4		93.7		6.3		7.7		6					
IM7	Rainy	Moderate	12:28	8.1	Surface	1.0	0.2	91	<u>26.4</u>	26.4	8.2	8.2	30.4	30.4	89.3	89.3	6.1	6.1	6.1	10.0	8	7	821331	806814		
						1.0	0.1	89	26.4		8.2		30.5		89.2		6.1		6.2		7					
					Middle	4.1	0.1	85	<u>26.3</u>	26.3	8.2	8.2	30.6	30.6	88.8	88.8	6.0	6.0	9.1	6.0	9.2	6.0			6	7
						4.1	0.1	90	26.3		8.2		30.6		88.8		6.0		9.2		7					
					Bottom	7.1	0.2	81	<u>26.3</u>	26.3	8.2	8.2	30.7	30.7	89.3	89.4	6.1	6.1	14.6	6.1	14.6	6.1			7	7
						7.1	0.2	81	26.3		8.2		30.7		89.4		6.1		14.9		7					

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Water Quality Monitoring

Water Quality Monitoring Results on 11 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Fine	Moderate	12:07	7.2	Surface	1.0	0.2	73	<u>26.8</u>	26.8	8.2	8.2	<u>32.5</u>	32.5	93.4	93.5	6.2	6.3	5.6	6.3	12	12	822261	809835				
						1.0	0.2	78	26.8	8.2	8.2	32.6	32.5	93.6	94.5	6.2	6.3	5.6	6.3	11	12							
					Middle	3.6	0.1	83	<u>26.8</u>	26.8	8.2	8.2	32.7	32.7	94.4	94.5	6.3	6.3	6.1	6.4	6.1	6.4			10	12		
						3.6	0.1	84	26.8	26.8	8.2	8.2	32.7	32.7	94.5	94.5	6.3	6.3	6.1	6.4	6.1	6.4			12	12		
					Bottom	6.2	0.1	85	<u>26.8</u>	26.8	8.3	8.3	32.7	32.7	95.3	95.5	6.3	6.4	7.1	6.4	7.1	6.4			12	12		
						6.2	0.1	82	26.8	26.8	8.3	8.3	32.7	32.7	95.6	95.5	6.4	6.4	7.2	6.4	7.2	6.4			12	12		
IM11	Fine	Moderate	12:17	7.2	Surface	1.0	0.2	75	<u>27.2</u>	27.2	8.2	8.2	32.1	32.1	92.7	92.8	6.2	6.2	2.4	6.2	11	12	821512	810550				
						1.0	0.2	68	27.2	27.2	8.2	8.2	32.1	32.1	92.8	92.8	6.2	6.2	2.5	6.2	12	12						
					Middle	3.6	0.2	91	<u>27.2</u>	27.2	8.2	8.2	32.2	32.2	93.2	93.4	6.2	6.2	3.8	6.2	3.8	6.2			12	12		
						3.6	0.2	85	27.2	27.2	8.2	8.2	32.2	32.2	93.6	93.4	6.2	6.2	3.8	6.2	3.8	6.2			12	12		
					Bottom	6.2	0.2	104	<u>27.2</u>	27.2	8.2	8.2	32.2	32.2	94.5	95.4	6.3	6.4	4.7	6.4	4.7	6.4			11	12		
						6.2	0.2	106	27.2	27.2	8.2	8.2	32.2	32.2	96.3	95.4	6.4	6.4	4.7	6.4	4.7	6.4			11	12		
IM12	Fine	Moderate	12:21	7.8	Surface	1.0	0.2	93	<u>27.3</u>	27.3	8.1	8.1	32.5	32.5	89.4	89.5	5.9	5.9	5.4	5.9	11	11	821157	811535				
						1.0	0.2	95	27.3	27.3	8.1	8.1	32.5	32.5	89.5	89.5	5.9	5.9	5.4	5.9	11	11						
					Middle	3.9	0.2	78	<u>27.3</u>	27.3	8.1	8.1	32.5	32.5	89.8	90.0	5.9	6.0	5.8	6.0	5.8	6.0			11	10		
						3.9	0.2	73	27.3	27.3	8.1	8.1	32.5	32.5	90.1	90.0	6.0	6.0	5.8	6.0	5.8	6.0			10	10		
					Bottom	6.8	0.2	92	<u>27.3</u>	27.3	8.1	8.1	32.5	32.5	91.5	92.1	6.0	6.1	6.2	6.1	6.2	6.1			6.1	10	11	
						6.8	0.2	91	27.3	27.3	8.2	8.1	32.5	32.5	92.7	92.1	6.1	6.1	6.2	6.1	6.2	6.1			6.1	11	11	
SR1A	Fine	Moderate	12:40	5.8	Surface	1.0	0.1	25	<u>26.9</u>	26.9	8.1	8.1	31.8	31.8	87.0	87.2	5.8	5.8	6.1	5.8	10	11	819978	812653				
						1.0	0.0	31	26.9	26.9	8.1	8.1	31.8	31.8	87.4	87.2	5.8	5.8	6.1	5.8	6.1	5.8			11	11		
					Middle	2.9	0.0	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.9	0.1	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.8	0.0	52	<u>26.9</u>	26.9	8.1	8.1	31.9	31.9	87.7	87.8	5.9	5.9	7.2	5.9	7.2	5.9			5.9	7.2	10	10
						4.8	0.0	46	26.8	26.8	8.1	8.1	31.9	31.9	87.9	87.8	5.9	5.9	7.2	5.9	7.2	5.9			5.9	7.2	10	10
SR2	Fine	Moderate	12:51	5.0	Surface	1.0	0.2	44	<u>27.3</u>	27.3	8.1	8.1	32.3	32.3	94.2	96.1	6.2	6.4	3.4	6.4	11	12	821470	814161				
						1.0	0.2	38	27.3	27.3	8.1	8.1	32.4	32.3	98.0	96.1	6.5	6.4	3.5	6.4	12	12						
					Middle	-	0.2	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	0.3	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.0	0.3	36	<u>27.1</u>	27.2	8.1	8.1	32.5	32.5	100.1	100.9	6.6	6.7	4.2	6.7	4.2	6.7			6.6	6.7	11	10
						4.0	0.3	33	27.2	27.2	8.1	8.1	32.4	32.5	101.7	100.9	6.7	6.7	4.3	6.7	4.3	6.7			6.7	6.7	10	10
SR3	Rainy	Moderate	12:22	9.2	Surface	1.0	0.1	83	<u>26.6</u>	26.6	8.1	8.1	29.7	29.7	88.8	88.8	6.0	6.1	5.1	6.1	6	7	822135	807573				
						1.0	0.2	88	26.6	26.6	8.1	8.1	29.7	29.7	88.8	88.8	6.0	6.1	5.1	6.1	7	7						
					Middle	4.6	0.1	69	<u>26.5</u>	26.5	8.2	8.2	29.9	29.9	89.5	89.6	6.1	6.1	7.6	6.1	7.6	6.1			6.1	8	7	
						4.6	0.1	65	26.5	26.5	8.2	8.2	30.0	29.9	89.7	89.6	6.1	6.1	7.9	6.1	7.9	6.1			6.1	7	7	
					Bottom	8.2	0.1	82	<u>26.4</u>	26.4	8.2	8.2	30.4	30.4	90.9	91.0	6.2	6.2	11.5	6.2	11.5	6.2			6.2	8	7	
						8.2	0.1	84	26.4	26.4	8.2	8.2	30.4	30.4	91.0	91.0	6.2	6.2	11.7	6.2	11.7	6.2			6.2	7	7	
SR4A	Rainy	Moderate	13:24	8.7	Surface	1.0	0.0	70	<u>26.4</u>	26.4	8.2	8.2	31.1	31.1	92.9	92.9	6.3	6.3	6.6	6.3	9	8	817198	807798				
						1.0	0.0	71	26.4	26.4	8.2	8.2	31.1	31.1	92.9	92.9	6.3	6.3	6.6	6.3	6.6	6.3			8	8		
					Middle	4.4	-	84	<u>26.3</u>	26.3	8.2	8.2	31.2	31.2	92.2	92.2	6.2	6.2	8.6	6.2	8.6	6.2			6.2	8	8	
						4.4	0.0	87	26.3	26.3	8.2	8.2	31.2	31.2	92.2	92.2	6.2	6.2	8.8	6.2	8.8	6.2			6.2	8	8	
					Bottom	7.7	0.0	85	<u>26.3</u>	26.3	8.2	8.2	31.2	31.2	92.5	92.6	6.3	6.3	9.8	6.3	9.8	6.3			6.3	8	8	
						7.7	0.0	86	26.3	26.3	8.2	8.2	31.2	31.2	92.6	92.6	6.3	6.3	9.8	6.3	9.8	6.3			6.3	8	8	
SR8	Fine	Moderate	12:26	5.0	Surface	1.0	-	-	<u>27.3</u>	27.3	8.1	8.1	32.3	32.3	94.4	94.9	6.3	6.3	7.7	6.3	10	12	820403	811641				
						1.0	-	-	27.2	27.2	8.1	8.1	32.3	32.3	95.3	94.9	6.3	6.3	7.8	6.3	7.8	6.3			12	10		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.0	-	-	<u>27.1</u>	27.2	8.1	8.1	32.3	32.3	97.0	97.5	6.4	6.5	8.0	6.4	8.0	6.4			6.5	11	10	
						4.0	-	-	27.2	27.2	8.1	8.1	32.2	32.3	98.0	97.5	6.5	6.5	8.1	6.5	8.1	6.5			6.5	10	10	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	08:02	8.2	Surface	1.0	0.4	25	26.5	26.5	8.2	8.2	31.8	31.8	91.3	91.3	6.1	6.1	6.1	9.7	10.1	15	14	815619	804270
						1.0	0.4	30	26.5	26.5	8.2	8.2	31.8	31.8	91.2	91.2	6.1	6.1							
					Middle	4.1	0.5	16	26.5	26.5	8.2	8.2	31.8	31.8	91.1	91.2	6.1	6.1	11.4	11.0					
						4.1	0.5	16	26.5	26.5	8.2	8.2	31.8	31.8	91.2	91.2	6.1	6.1	11.0	11.0					
					Bottom	7.2	0.5	57	26.5	26.5	8.2	8.2	31.8	31.8	91.9	92.0	6.2	6.2	9.2	9.5					
						7.2	0.5	55	26.5	26.5	8.2	8.2	31.8	31.8	92.0	92.0	6.2	6.2	9.5	9.5					
C2	Cloudy	Moderate	09:06	11.3	Surface	1.0	0.4	2	26.5	26.5	8.1	8.1	29.8	29.8	88.5	88.6	6.0	6.0	6.1	6.4	8.5	13	11	825663	806966
						1.0	0.4	1	26.5	26.5	8.1	8.1	29.8	29.8	88.6	88.6	6.0	6.0							
					Middle	5.7	0.5	351	26.3	26.3	8.1	8.1	30.2	30.2	88.9	89.0	6.1	6.1	9.7	8					
						5.7	0.5	344	26.3	26.3	8.1	8.1	30.2	30.2	89.0	89.0	6.1	6.1	9.6	9					
					Bottom	10.3	0.5	342	26.3	26.3	8.1	8.1	30.3	30.2	89.8	90.0	6.1	6.1	9.6	10					
						10.3	0.5	341	26.3	26.3	8.1	8.1	30.2	30.2	90.1	90.0	6.1	6.1	8.9	9					
C3	Fine	Moderate	08:30	9.4	Surface	1.0	0.5	252	27.3	27.3	8.0	8.0	32.7	32.7	85.4	85.4	5.6	5.6	5.6	6.5	7.4	12	12	822129	817806
						1.0	0.5	253	27.3	27.3	8.0	8.0	32.7	32.7	85.4	85.4	5.6	5.6							
					Middle	4.7	0.5	273	27.3	27.3	8.0	8.0	32.7	32.7	85.5	85.5	5.6	5.6	7.6	13					
						4.7	0.5	276	27.3	27.3	8.0	8.0	32.7	32.7	85.5	85.5	5.7	5.7	7.6	12					
					Bottom	8.4	0.5	274	27.3	27.3	8.0	8.0	32.7	32.7	85.6	85.7	5.7	5.7	8.0	13					
						8.4	0.5	267	27.3	27.3	8.0	8.0	32.7	32.7	85.8	85.7	5.7	5.7	8.1	12					
IM1	Cloudy	Moderate	08:17	7.0	Surface	1.0	0.3	24	26.3	26.3	8.2	8.2	31.0	31.0	90.9	90.9	6.2	6.2	6.2	12.7	13.2	15	14	818358	806456
						1.0	0.3	30	26.2	26.2	8.2	8.2	31.0	31.0	90.9	90.9	6.2	6.2							
					Middle	3.5	0.3	18	26.2	26.2	8.2	8.2	31.1	31.1	91.0	91.0	6.2	6.2	13.2	15					
						3.5	0.3	18	26.2	26.2	8.2	8.2	31.1	31.1	91.0	91.0	6.2	6.2	13.3	14					
					Bottom	6.0	0.3	40	26.2	26.2	8.2	8.2	31.1	31.1	90.9	90.9	6.2	6.2	13.9	13					
						6.0	0.3	35	26.2	26.2	8.2	8.2	31.1	31.1	90.9	90.9	6.2	6.2	13.7	13					
IM2	Cloudy	Moderate	08:22	7.3	Surface	1.0	0.4	21	26.2	26.2	8.2	8.2	30.9	30.9	90.0	90.0	6.1	6.1	6.1	12.0	11.5	13	14	819165	806232
						1.0	0.3	13	26.2	26.2	8.2	8.2	30.9	30.9	90.0	90.0	6.1	6.1							
					Middle	3.7	0.3	1	26.2	26.2	8.2	8.2	30.9	30.9	89.9	89.9	6.1	6.1	12.1	13					
						3.7	0.3	8	26.2	26.2	8.2	8.2	30.9	30.9	89.9	89.9	6.1	6.1	12.1	12					
					Bottom	6.3	0.3	37	26.2	26.2	8.2	8.2	30.9	30.9	91.4	91.5	6.2	6.2	10.6	15					
						6.3	0.3	40	26.2	26.2	8.2	8.2	30.9	30.9	91.5	91.5	6.2	6.2	10.3	16					
IM7	Cloudy	Moderate	08:42	8.5	Surface	1.0	0.3	358	26.3	26.3	8.1	8.1	30.4	30.4	88.6	88.6	6.0	6.0	6.0	9.7	12.6	15	14	821338	806811
						1.0	0.3	354	26.3	26.3	8.1	8.1	30.4	30.4	88.6	88.6	6.0	6.0							
					Middle	4.3	0.3	4	26.3	26.3	8.1	8.1	30.4	30.4	88.8	88.8	6.0	6.0	14.2	13					
						4.3	0.3	359	26.3	26.3	8.1	8.1	30.4	30.4	88.8	88.8	6.0	6.0	14.6	13					
					Bottom	7.5	0.3	356	26.3	26.3	8.1	8.1	30.4	30.4	90.0	90.1	6.1	6.1	13.6	13					
						7.5	0.3	352	26.3	26.3	8.1	8.1	30.4	30.4	90.2	90.2	6.1	6.1	13.5	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 11 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	09:29	9.2	Surface	1.0	0.4	305	<u>27.2</u>	27.2	8.1	8.1	<u>32.6</u>	32.6	<u>92.4</u>	92.6	6.1	6.2	7.3	8.2	12	12	822245	809831
						1.0	0.3	311	<u>27.2</u>		8.1		<u>32.6</u>		<u>92.7</u>		6.1		7.3		11			
					Middle	4.6	0.4	284	<u>27.2</u>	8.1	8.1	<u>32.6</u>	32.6	<u>93.7</u>	93.9	6.2	8.2	12						
						4.6	0.4	277	<u>27.2</u>	8.1	<u>32.6</u>	<u>94.1</u>		6.2		8.1	11							
					Bottom	8.2	0.3	289	<u>27.2</u>	27.2	8.1	8.1	<u>32.6</u>	32.6	<u>102.4</u>	103.4	6.8	9.0	13					
						8.2	0.3	281	<u>27.2</u>		8.1		<u>32.5</u>		<u>104.4</u>		6.9	9.1	11					
IM11	Fine	Moderate	09:24	8.2	Surface	1.0	0.4	277	<u>27.2</u>	27.2	8.1	8.1	<u>32.5</u>	32.5	<u>91.2</u>	91.4	6.0	6.1	7.0	7.6	13	12	821506	810527
						1.0	0.4	283	<u>27.2</u>		8.1		<u>32.5</u>		<u>91.6</u>		6.1		6.9		12			
					Middle	4.1	0.4	264	<u>27.2</u>	27.2	8.1	8.1	<u>32.5</u>	32.5	<u>92.7</u>	93.0	6.1	7.5	11					
						4.1	0.4	259	<u>27.2</u>		8.1		<u>32.5</u>		<u>93.2</u>		6.2	7.6	12					
					Bottom	7.2	0.4	260	<u>27.2</u>	27.2	8.1	8.1	<u>32.5</u>	32.5	<u>100.1</u>	101.1	6.6	8.4	11					
						7.2	0.4	258	<u>27.2</u>		8.1		<u>32.5</u>		<u>102.0</u>		6.8	8.5	12					
IM12	Fine	Moderate	09:18	7.6	Surface	1.0	0.5	287	<u>27.2</u>	27.2	8.1	8.1	<u>32.5</u>	32.5	<u>92.1</u>	92.3	6.1	6.2	7.6	8.2	10	11	821139	811513
						1.0	0.5	281	<u>27.2</u>		8.1		<u>32.5</u>		<u>92.5</u>		6.1		7.5		12			
					Middle	3.8	0.4	287	<u>27.2</u>	27.2	8.1	8.1	<u>32.5</u>	32.5	<u>93.4</u>	93.8	6.2	8.0	11					
						3.8	0.4	292	<u>27.2</u>		8.1		<u>32.5</u>		<u>94.1</u>		6.2	8.1	10					
					Bottom	6.6	0.4	273	<u>27.1</u>	27.2	8.1	8.1	<u>32.4</u>	32.4	<u>101.5</u>	102.7	6.7	9.1	12					
						6.6	0.5	267	<u>27.2</u>		8.1		<u>32.4</u>		<u>103.8</u>		6.9	9.2	13					
SR1A	Fine	Moderate	08:57	4.0	Surface	1.0	0.0	211	<u>26.6</u>	26.6	8.0	8.0	31.9	31.9	<u>93.1</u>	94.3	6.2	6.3	6.6	6.9	10	11	819978	812663
						1.0	0.1	211	<u>26.6</u>		8.0		31.9		<u>95.4</u>		6.4		6.7		11			
					Middle	2.0	0.1	211	-	-	-	-	-	-	-	-	-	-	-					
						2.0	0.0	205	-		-		-		-		-	-	-					
					Bottom	3.0	0.0	229	<u>26.5</u>	26.6	8.1	8.1	<u>31.2</u>	31.5	<u>101.5</u>	101.7	6.8	7.1	11					
						3.0	-	233	<u>26.6</u>		8.1		<u>31.8</u>		<u>101.8</u>		6.8	7.1	12					
SR2	Fine	Moderate	08:45	4.4	Surface	1.0	0.1	248	<u>27.3</u>	27.3	8.0	8.0	<u>32.7</u>	32.7	<u>85.3</u>	85.3	5.6	5.6	7.5	8.0	12	13	821456	814173
						1.0	0.1	249	<u>27.3</u>		8.0		<u>32.7</u>		<u>85.3</u>		5.6		7.6		13			
					Middle	-	0.1	257	-	-	-	-	-	-	-	-	-	-	-					
						-	0.1	253	-		-		-		-		-	-						
					Bottom	3.4	0.1	267	<u>27.3</u>	27.3	8.0	8.0	<u>32.7</u>	32.7	<u>85.3</u>	85.3	5.6	8.4	12					
						3.4	0.2	263	<u>27.3</u>		8.0		<u>32.7</u>		<u>85.3</u>		5.6	8.5	13					
SR3	Cloudy	Moderate	08:49	9.2	Surface	1.0	0.4	331	<u>26.5</u>	26.5	8.1	8.1	<u>29.6</u>	29.6	<u>89.0</u>	89.1	6.1	6.1	7.9	11.4	12	12	822146	807583
						1.0	0.4	328	<u>26.5</u>		8.1		<u>29.6</u>		<u>89.1</u>		6.1		8.5		12			
					Middle	4.6	0.5	325	<u>26.3</u>	26.3	8.1	8.1	<u>30.2</u>	30.2	<u>89.7</u>	89.7	6.1	12.1	12					
						4.6	0.4	327	<u>26.3</u>		8.1		<u>30.2</u>		<u>89.7</u>		6.1	12.8	10					
					Bottom	8.2	0.4	336	<u>26.2</u>	26.2	8.2	8.2	<u>30.5</u>	30.5	<u>90.4</u>	90.5	6.2	13.4	10					
						8.2	0.5	331	<u>26.2</u>		8.2		<u>30.5</u>		<u>90.5</u>		6.2	13.5	13					
SR4A	Cloudy	Moderate	07:43	8.8	Surface	1.0	0.0	178	<u>26.1</u>	26.1	8.1	8.1	<u>30.7</u>	30.7	<u>90.6</u>	90.6	6.2	6.2	11.6	12.5	14	13	817175	807795
						1.0	0.0	170	<u>26.1</u>		8.1		<u>30.7</u>		<u>90.6</u>		6.2		12.0		12			
					Middle	4.4	0.0	201	<u>26.1</u>	26.1	8.1	8.1	<u>30.7</u>	30.7	<u>90.5</u>	90.5	6.2	14.5	13					
						4.4	0.1	194	<u>26.1</u>		8.1		<u>30.7</u>		<u>90.5</u>		6.2	14.7	12					
					Bottom	7.8	0.0	171	<u>26.1</u>	26.1	8.0	8.0	<u>30.7</u>	30.6	<u>90.5</u>	90.5	6.2	11.6	13					
						7.8	0.0	174	<u>26.1</u>		8.0		<u>30.6</u>		<u>90.5</u>		6.2	10.7	13					
SR8	Fine	Moderate	09:14	5.6	Surface	1.0	-	-	<u>27.2</u>	27.2	8.1	8.1	<u>32.1</u>	32.2	<u>96.3</u>	96.5	6.4	6.4	7.1	7.6	12	8	820376	811615
						1.0	-	-	<u>27.1</u>		8.1		<u>32.2</u>		<u>96.7</u>		6.4		7.1		0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-		-		-		-		-	-						
					Bottom	4.6	-	-	<u>27.0</u>	27.0	8.1	8.1	<u>32.3</u>	32.2	<u>99.1</u>	99.8	6.6	8.0	11					
						4.6	-	-	<u>27.0</u>		8.1		<u>32.2</u>		<u>100.5</u>		6.7	8.0	10					

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	14:20	8.0	Surface	1.0	0.2	222	26.8	8.3	8.3	34.4	34.4	92.7	92.5	6.1	6.1	6.1	8.7	8.7	5	5	815631	804248
						1.0	0.2	228	26.7	8.3	8.3	34.5	34.4	92.3	92.5	6.1								
					Middle	4.0	0.1	189	26.7	8.3	8.3	34.6	34.6	91.8	91.9	6.1								
						4.0	0.1	195	26.7	8.3	8.3	34.6	34.6	91.9	91.9	6.1								
					Bottom	7.0	0.2	187	26.7	8.3	8.3	34.6	34.6	92.3	92.4	6.1								
						7.0	0.1	187	26.7	8.3	8.3	34.6	34.6	92.5	92.4	6.1								
C2	Rainy	Moderate	13:10	11.0	Surface	1.0	0.1	350	26.5	8.3	8.3	32.7	32.7	92.4	92.5	6.2	6.2	6.2	8.4	8.4	5	5	825690	806952
						1.0	0.1	343	26.5	8.3	8.3	32.7	32.7	92.5	92.5	6.2								
					Middle	5.5	0.0	350	26.5	8.3	8.3	33.3	33.4	92.5	92.4	6.2								
						5.5	0.0	345	26.5	8.3	8.3	33.4	33.4	92.3	92.4	6.2								
					Bottom	10.0	0.1	348	26.4	8.3	8.3	33.9	33.9	92.1	92.2	6.1								
						10.0	0.1	350	26.4	8.3	8.3	33.9	33.9	92.2	92.2	6.1								
C3	Fine	Moderate	14:13	8.2	Surface	1.0	0.2	89	27.0	8.2	8.2	31.5	31.5	87.5	87.6	5.9	6.0	6.0	1.8	1.8	6	6	822122	817788
						1.0	0.2	90	26.9	8.2	8.2	31.5	31.5	87.7	87.6	5.9								
					Middle	4.1	0.2	75	26.9	8.2	8.2	31.5	31.5	89.2	89.4	6.0								
						4.1	0.2	75	26.9	8.2	8.2	31.5	31.5	89.6	89.4	6.0								
					Bottom	7.2	0.2	63	26.9	8.2	8.2	31.5	31.5	91.2	91.7	6.1								
						7.2	0.3	60	26.9	8.2	8.2	31.5	31.5	92.2	91.7	6.2								
IM1	Rainy	Moderate	14:02	7.3	Surface	1.0	0.1	168	26.5	8.3	8.3	34.1	34.1	92.2	92.2	6.1	6.1	6.1	7.8	7.8	5	5	818356	806447
						1.0	0.1	160	26.5	8.3	8.3	34.1	34.1	92.1	92.2	6.1								
					Middle	3.7	0.1	185	26.4	8.3	8.3	34.2	34.2	92.2	92.3	6.1								
						3.7	0.1	190	26.4	8.3	8.3	34.2	34.2	92.4	92.3	6.1								
					Bottom	6.3	0.0	185	26.4	8.3	8.3	34.2	34.2	92.8	92.9	6.2								
						6.3	0.0	186	26.4	8.3	8.3	34.2	34.2	92.9	92.9	6.2								
IM2	Rainy	Moderate	13:57	7.6	Surface	1.0	0.1	119	26.6	8.4	8.4	34.0	34.0	96.9	96.8	6.4	6.4	6.4	5.7	5.7	5	5	819193	806230
						1.0	0.1	116	26.6	8.4	8.4	34.0	34.0	96.7	96.8	6.4								
					Middle	3.8	0.0	112	26.4	8.3	8.3	34.1	34.1	94.5	94.5	6.3								
						3.8	0.0	112	26.4	8.3	8.3	34.1	34.1	94.4	94.4	6.3								
					Bottom	6.6	0.1	108	26.4	8.3	8.3	34.1	34.1	94.4	94.5	6.3								
						6.6	0.1	102	26.4	8.3	8.3	34.1	34.1	94.6	94.5	6.3								
IM7	Rainy	Moderate	13:37	7.9	Surface	1.0	0.1	90	26.6	8.3	8.3	33.0	33.0	93.1	93.0	6.2	6.2	6.2	5.5	5.5	4	4	821325	806845
						1.0	0.1	82	26.6	8.3	8.3	33.1	33.0	92.8	93.0	6.2								
					Middle	4.0	0.1	97	26.4	8.3	8.3	33.7	33.7	91.5	91.5	6.1								
						4.0	0.1	104	26.4	8.3	8.3	33.8	33.8	91.5	91.5	6.1								
					Bottom	6.9	0.2	62	26.4	8.2	8.2	33.8	33.8	93.7	93.9	6.2								
						6.9	0.2	67	26.4	8.2	8.2	33.8	33.8	94.0	93.9	6.3								

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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 13 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Moderate	13:11	7.0	Surface	1.0	0.1	24	26.4	26.4	8.2	8.2	31.0	31.0	86.4	86.4	5.8	5.8	3.2	3.2	5	6	822249	809853						
						1.0	0.2	19	26.4	8.2	8.2	31.0	31.0	86.3	86.4	5.8	5.9	3.2	3.2	6										
					Middle	3.5	0.1	34	26.4	26.4	8.2	8.2	31.0	31.0	86.4	86.5	5.9	5.9	4.3	4.3	6				6					
						3.5	0.1	26	26.4	8.2	8.2	31.0	31.0	86.5	86.5	5.9	5.9	4.3	4.3	6										
					Bottom	6.0	0.1	22	26.4	26.4	8.2	8.2	31.0	31.0	86.7	86.7	5.9	5.9	5.4	5.4	8				8					
						6.0	0.1	23	26.4	26.4	8.2	8.2	31.0	31.0	86.7	86.7	5.9	5.9	5.5	5.5	7				7					
IM11	Fine	Moderate	13:16	8.8	Surface	1.0	0.0	27	26.5	26.5	8.2	8.2	31.1	31.1	86.6	86.7	5.8	5.8	3.0	3.0	6	6	821505	810546						
						1.0	0.1	34	26.5	26.5	8.2	8.2	31.1	31.1	86.7	86.7	5.9	5.9	3.1	3.1	7									
					Middle	4.4	0.1	57	26.5	26.5	8.3	8.3	31.1	31.1	87.3	87.4	5.9	5.9	4.4	4.4	6				6					
						4.4	0.0	52	26.5	26.5	8.3	8.3	31.1	31.1	87.4	87.4	5.9	5.9	4.5	4.5	6				6					
					Bottom	7.8	0.0	65	26.5	26.5	8.3	8.3	31.1	31.1	87.7	88.0	5.9	6.0	5.7	5.7	6				6					
						7.8	0.0	67	26.5	26.5	8.3	8.3	31.1	31.1	88.2	88.0	6.0	6.0	5.7	5.7	5				5					
IM12	Fine	Moderate	13:25	7.8	Surface	1.0	0.1	73	26.6	26.6	8.2	8.2	31.1	31.1	90.1	90.2	6.1	6.1	4.4	4.4	5	5	821142	811530						
						1.0	0.1	66	26.5	26.6	8.2	8.2	31.1	31.1	90.3	90.2	6.1	6.1	4.5	4.5	6									
					Middle	3.9	0.1	65	26.5	26.5	8.2	8.2	31.1	31.1	91.0	91.2	6.1	6.1	4.7	4.7	6				6					
						3.9	0.1	62	26.5	26.5	8.2	8.2	31.1	31.1	91.3	91.2	6.2	6.2	4.8	4.8	5				5					
					Bottom	6.8	0.1	107	26.5	26.5	8.2	8.2	31.0	31.0	93.3	93.7	6.3	6.4	5.2	5.2	5				5					
						6.8	0.1	107	26.5	26.5	8.2	8.2	31.0	31.0	94.1	93.7	6.4	6.4	5.1	5.1	4				4					
SR1A	Fine	Moderate	13:46	4.6	Surface	1.0	0.0	32	26.3	26.3	8.2	8.2	30.6	30.6	90.1	90.1	6.1	6.1	2.6	2.6	4	5	819976	812653						
						1.0	0.0	26	26.3	26.3	8.2	8.2	30.6	30.6	90.1	90.1	6.1	6.1	2.5	2.5	5									
					Middle	2.3	0.0	31	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.1	5	819976	812653
						2.3	0.1	26	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.1			
					Bottom	3.6	0.0	33	26.2	26.2	8.2	8.2	30.6	30.6	91.0	91.0	6.2	6.2	3.6	3.6	6				6					
						3.6	0.1	26	26.2	26.2	8.2	8.2	30.6	30.6	91.0	91.0	6.2	6.2	3.6	3.6	5				5					
SR2	Fine	Moderate	13:56	5.8	Surface	1.0	0.2	65	26.6	26.6	8.2	8.2	30.9	30.9	92.9	93.1	6.3	6.3	2.8	2.8	5	6	821486	814172						
						1.0	0.2	65	26.6	26.6	8.2	8.2	30.9	30.9	93.2	93.1	6.3	6.3	2.8	2.8	5									
					Middle	-	0.2	46	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.3	6	821486	814172
						-	0.2	48	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.3			
					Bottom	4.8	0.2	67	26.6	26.6	8.2	8.2	31.0	31.0	96.2	96.2	6.5	6.5	3.9	3.9	6				6					
						4.8	0.2	71	26.6	26.6	8.2	8.2	31.0	31.0	96.2	96.2	6.5	6.5	3.9	3.9	6				6					
SR3	Rainy	Moderate	13:31	9.2	Surface	1.0	0.1	55	26.6	26.6	8.4	8.4	32.8	32.8	93.2	93.2	6.2	6.2	4.7	4.7	6	4	822160	807573						
						1.0	0.1	53	26.6	26.6	8.4	8.4	32.8	32.8	93.2	93.2	6.2	6.2	4.8	4.8	5									
					Middle	4.6	0.0	30	26.5	26.5	8.4	8.4	33.1	33.2	93.3	93.3	6.2	6.2	5.6	5.6	4				4					
						4.6	0.1	22	26.5	26.5	8.4	8.4	33.2	33.2	93.3	93.3	6.2	6.2	5.6	5.6	4				4					
					Bottom	8.2	0.1	28	26.4	26.4	8.4	8.4	33.8	33.8	93.4	93.4	6.2	6.2	12.0	12.0	4				4					
						8.2	0.1	24	26.4	26.4	8.4	8.4	33.8	33.8	93.5	93.5	6.2	6.2	12.3	12.3	3				3					
SR4A	Rainy	Moderate	14:39	9.0	Surface	1.0	0.0	61	26.5	26.5	8.2	8.2	34.1	34.1	93.8	93.8	6.2	6.2	6.8	6.8	5	6	817208	807821						
						1.0	0.0	54	26.5	26.5	8.2	8.2	34.2	34.2	93.7	93.7	6.2	6.2	7.1	7.1	4									
					Middle	4.5	0.0	57	26.5	26.5	8.2	8.2	34.2	34.2	93.4	93.5	6.2	6.2	8.7	8.7	5				5					
						4.5	0.0	52	26.5	26.5	8.2	8.2	34.2	34.2	93.5	93.5	6.2	6.2	8.9	8.9	6				6					
					Bottom	8.0	0.0	54	26.4	26.4	8.3	8.3	34.2	34.2	94.4	94.5	6.3	6.3	9.5	9.5	6				6					
						8.0	0.1	52	26.4	26.4	8.3	8.3	34.2	34.2	94.6	94.5	6.3	6.3	9.5	9.5	7				7					
SR8	Fine	Moderate	13:29	5.6	Surface	1.0	-	-	26.7	26.7	8.2	8.2	30.9	30.9	90.8	90.8	6.1	6.1	3.1	3.1	4	5	820397	811626						
						1.0	-	-	26.7	26.7	8.2	8.2	30.9	30.9	90.8	90.8	6.1	6.1	3.1	3.1	5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.8	5	820397	811626
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.8			
					Bottom	4.6	-	-	26.6	26.6	8.2	8.2	30.9	30.9	91.6	93.5	6.2	6.3	4.6	4.6	5				5					
						4.6	-	-	26.6	26.6	8.2	8.2	30.9	30.9	95.3	95.3	6.4	6.4	4.5	4.5	6				6					

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 13 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
C1	Cloudy	Moderate	09:07	8.2	Surface	1.0	0.4	36	26.5	26.5	8.1	8.1	34.5	34.5	92.1	92.1	6.1	6.1	6.1	11.2	10.3	6	6	815621	804224						
						1.0	0.4	40	26.5		8.1		34.5		92.1		6.1					11.3				4					
					Middle	4.1	0.4	33	26.5	26.5	8.1	8.1	34.5	34.5	92.2	92.3	6.1	6.1	6.1	9.8	6	6	6			6	6	6	6	6	
						4.1	0.4	33	26.5		8.1		34.5		92.3		6.1														9.3
					Bottom	7.2	0.4	40	26.5	26.5	8.1	8.1	34.5	34.5	92.8	93.0	6.2	6.2	6.2	10.0	6	6	6			6	6	6	6	6	6
						7.2	0.5	46	26.5		8.1		34.5		93.1		6.2														
C2	Cloudy	Moderate	10:11	12.1	Surface	1.0	0.4	354	26.5	26.5	8.1	8.1	32.0	32.0	91.1	91.1	6.1	6.1	6.1	3.8	5.9	3	4	825678	806967						
						1.0	0.4	353	26.5		8.1		32.0		91.1		6.1					4.0				4					
					Middle	6.1	0.4	351	26.4	26.4	8.1	8.1	32.1	32.1	90.6	90.6	6.1	6.1	6.1	3.4	5	5	5			5	5	5	5	5	
						6.1	0.4	355	26.4		8.1		32.1		90.5		6.1														3.5
					Bottom	11.1	0.4	334	26.4	26.4	8.1	8.1	32.2	32.2	89.6	89.6	6.0	6.0	6.0	10.6	5	5	5			5	5	5	5	5	5
						11.1	0.4	337	26.4		8.1		32.2		89.6		6.0														
C3	Fine	Moderate	08:59	9.2	Surface	1.0	0.5	254	26.1	26.1	7.9	7.9	30.4	30.4	87.4	87.6	6.0	6.0	6.0	5.2	6.2	4	5	822093	817810						
						1.0	0.5	247	26.1		7.9		30.4		87.7		6.0					5.2				5					
					Middle	4.6	0.5	261	26.1	26.1	7.9	7.9	30.4	30.4	88.5	88.5	6.0	6.0	6.0	6.3	5	5	5			5	5	5	5	5	
						4.6	0.5	268	26.1		7.9		30.4		88.5		6.0														6.4
					Bottom	8.2	0.5	244	26.1	26.1	7.9	7.9	30.4	30.4	90.3	90.6	6.2	6.2	6.2	7.0	6	6	6			6	6	6	6	6	6
						8.2	0.4	248	26.1		7.9		30.4		90.8		6.2														
IM1	Cloudy	Moderate	09:23	6.9	Surface	1.0	0.2	31	26.3	26.3	8.1	8.1	34.1	34.1	92.5	92.5	6.2	6.2	6.2	9.6	10.8	4	5	818363	806475						
						1.0	0.2	36	26.3		8.1		34.1		92.5		6.2					9.6				5					
					Middle	3.5	0.3	26	26.3	26.3	8.1	8.1	34.2	34.2	92.0	92.0	6.1	6.1	6.1	11.2	5	5	5			5	5	5	5	5	
						3.5	0.3	23	26.3		8.1		34.2		92.0		6.1														11.3
					Bottom	5.9	0.2	354	26.3	26.3	8.1	8.1	34.3	34.3	92.8	92.9	6.2	6.2	6.2	11.6	4	4	4			4	4	4	4	4	4
						5.9	0.3	358	26.3		8.1		34.3		92.9		6.2														
IM2	Cloudy	Moderate	09:29	8.1	Surface	1.0	0.2	6	26.3	26.3	8.2	8.2	33.8	33.8	92.2	92.2	6.2	6.2	6.2	8.1	10.7	4	5	819172	806248						
						1.0	0.3	0	26.3		8.2		33.8		92.2		6.2					8.2				5					
					Middle	4.1	0.3	358	26.2	26.2	8.1	8.1	34.0	34.0	91.9	91.9	6.1	6.1	6.1	10.1	4	4	4			4	4	4	4	4	
						4.1	0.3	357	26.2		8.1		34.0		91.9		6.1														10.8
					Bottom	7.1	0.3	16	26.2	26.2	8.1	8.1	33.9	33.9	91.6	91.6	6.1	6.1	6.1	13.3	5	5	5			5	5	5	5	5	5
						7.1	0.3	9	26.2		8.1		33.9		91.6		6.1														
IM7	Cloudy	Moderate	09:46	8.5	Surface	1.0	0.3	345	26.4	26.4	8.1	8.1	32.7	32.7	89.1	89.1	6.0	6.0	6.0	3.5	5.5	5	6	821347	806816						
						1.0	0.3	349	26.4		8.1		32.8		89.0		6.0					3.5				6					
					Middle	4.3	0.2	8	26.3	26.3	8.1	8.1	33.1	33.1	89.0	89.1	6.0	6.0	6.0	4.4	5	5	5			5	5	5	5	5	
						4.3	0.2	4	26.3		8.1		33.2		89.1		6.0														4.6
					Bottom	7.5	0.3	345	26.2	26.2	8.2	8.2	34.0	34.0	89.9	89.9	6.0	6.0	6.0	8.4	5	5	5			5	5	5	5	5	5
						7.5	0.2	339	26.2		8.2		34.0		89.9		6.0														

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Fine	Moderate	09:42	9.0	Surface	1.0	0.4	305	26.0	26.0	8.2	8.2	30.8	30.8	90.8	90.9	6.2	6.2	6.8	7.3	5	6	822234	809837				
						1.0	0.3	302	26.0		8.2		30.8		91.0		6.2		6.7		5							
					Middle	4.5	0.4	307	26.0	8.2	8.2	30.7	30.7	91.6	91.7	6.2	6.2	7.2	6									
						4.5	0.4	313	26.0	8.2	8.2	30.7	30.7	91.8	91.7	6.3	6.3	7.2	5									
					Bottom	8.0	0.4	301	26.0	8.2	8.2	30.7	30.7	93.3	93.7	6.4	6.4	8.1	6									
						8.0	0.5	294	26.0	8.2	8.2	30.7	30.7	94.1	93.7	6.4	6.4	8.0	7									
IM11	Fine	Moderate	09:37	9.2	Surface	1.0	0.5	275	26.1	26.1	8.2	8.2	30.7	30.7	90.2	90.3	6.1	6.2	7.5	8.4	5	5	821505	810558				
						1.0	0.5	270	26.1		8.2		30.7		90.3		6.2		7.6		4							
					Middle	4.6	0.5	293	26.1	8.2	8.2	30.7	30.7	90.8	90.9	6.2	6.2	8.6	5									
						4.6	0.4	294	26.1	8.2	8.2	30.7	30.7	90.9	90.9	6.2	6.2	8.6	5									
					Bottom	8.2	0.4	278	26.1	8.2	8.2	30.7	30.7	96.0	96.4	6.5	6.6	9.1	6									
						8.2	0.4	284	26.1	8.2	8.2	30.7	30.7	96.7	96.4	6.6	6.6	9.1	5									
IM12	Fine	Moderate	09:32	8.0	Surface	1.0	0.5	272	26.1	26.1	8.2	8.2	30.7	30.7	89.5	89.6	6.1	6.1	6.6	7.3	5	6	821176	811537				
						1.0	0.5	274	26.1		8.2		30.7		89.7		6.1		6.5		4							
					Middle	4.0	0.5	280	26.1	8.2	8.2	30.7	30.7	90.1	90.3	6.1	6.1	7.3	6									
						4.0	0.5	285	26.1	8.2	8.2	30.7	30.7	90.5	90.3	6.2	6.2	7.2	5									
					Bottom	7.0	0.5	285	26.1	8.2	8.2	30.7	30.7	91.9	93.9	6.3	6.4	8.0	7									
						7.0	0.5	280	26.1	8.2	8.2	30.7	30.7	95.9	93.9	6.5	6.4	8.1	6									
SR1A	Fine	Moderate	09:11	5.2	Surface	1.0	0.1	183	26.1	26.1	8.1	8.1	30.5	30.5	89.2	89.4	6.1	6.1	6.2	6.6	6	6	819983	812662				
						1.0	0.1	187	26.1		8.1		30.5		89.5		6.1		6.2		6							
					Middle	2.6	0.0	181	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.6	-	186	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.2	0.1	207	26.1	8.1	8.1	30.5	30.5	92.0	92.6	6.3	6.4	7.1	5									
						4.2	0.1	211	26.1	8.1	8.1	30.5	30.5	93.2	92.6	6.4	6.4	7.0	5									
SR2	Fine	Moderate	09:00	5.2	Surface	1.0	0.2	250	26.1	26.1	7.9	7.9	30.5	30.5	86.5	86.6	5.9	5.9	6.1	6.6	6	6	821471	814180				
						1.0	0.1	256	26.1		7.9		30.5		86.6		5.9		6.0		7							
					Middle	-	0.1	260	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.1	265	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.2	0.2	244	26.1	7.9	7.9	30.5	30.5	86.9	87.0	5.9	5.9	7.2	5									
						4.2	0.1	244	26.1	7.9	7.9	30.5	30.5	87.0	87.0	5.9	5.9	7.2	6									
SR3	Cloudy	Moderate	09:53	9.2	Surface	1.0	0.3	348	26.5	26.5	8.1	8.1	32.5	32.6	89.6	89.6	6.0	6.0	4.1	5.2	5	5	822164	807583				
						1.0	0.4	345	26.5		8.1		32.6		89.6		6.0		4.2		4							
					Middle	4.6	0.4	323	26.4	8.1	8.1	33.1	33.1	89.7	89.8	6.0	6.0	5.4	4									
						4.6	0.4	323	26.4	8.1	8.1	33.2	33.1	89.8	89.8	6.0	6.0	5.5	5									
					Bottom	8.2	0.4	358	26.4	8.1	8.1	33.2	33.2	90.7	90.8	6.1	6.1	5.8	5									
						8.2	0.4	0	26.4	8.1	8.1	33.3	33.2	90.9	90.8	6.1	6.1	5.9	4									
SR4A	Cloudy	Moderate	08:46	8.8	Surface	1.0	0.0	199	26.2	26.2	8.1	8.1	33.6	33.6	90.7	90.7	6.1	6.1	4.8	6.6	5	6	817198	807802				
						1.0	0.0	196	26.2		8.1		33.6		90.7		6.1		4.9		5							
					Middle	4.4	0.0	215	26.2	8.1	8.1	33.8	33.9	90.4	90.4	6.0	6.0	5.9	6									
						4.4	0.1	219	26.2	8.1	8.1	33.9	33.9	90.4	90.4	6.0	6.0	6.1	6									
					Bottom	7.8	0.1	182	26.2	8.1	8.1	34.1	34.1	90.6	90.7	6.1	6.1	9.1	6									
						7.8	0.1	185	26.2	8.1	8.1	34.1	34.1	90.7	90.7	6.1	6.1	9.1	6									
SR8	Fine	Moderate	09:28	4.8	Surface	1.0	-	-	26.0	26.0	8.2	8.2	30.7	30.7	94.7	94.9	6.5	6.5	5.7	6.2	6	6	820398	811622				
						1.0	-	-	26.0		8.2		30.7		95.0		6.5		5.7		5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.8	-	-	26.0	8.2	8.2	30.7	30.7	96.8	97.4	6.6	6.7	6.8	6									
						3.8	-	-	26.0	8.2	8.2	30.7	30.7	98.0	97.4	6.7	6.7	6.8	7									

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA			
C1	Rainy	Moderate	15:38	7.4	Surface	1.0	0.1	203	26.4	26.4	8.3	8.3	31.1	31.1	97.2	97.2	6.6	6.5	2.9	6.8	6	5	815636	804250					
						1.0	0.1	200	26.4	8.3	8.3	31.1	31.1	97.2	97.2	6.6	6.5	2.9	6.8	5									
					Middle	3.7	0.0	201	26.4	26.4	8.2	8.2	31.4	31.4	95.0	94.9	6.4	6.1	6.1	6.1	6.4				6.1	6.1	6.1	4	
						3.7	0.0	195	26.4	26.4	8.2	8.2	31.5	31.5	94.7	94.7	6.4	6.1	6.1	6.1	6.4				6.1	6.1	6.1	5	
					Bottom	6.4	0.1	210	26.4	26.4	8.2	8.2	31.9	31.9	90.5	90.5	6.1	6.1	6.1	6.1	6.1				6.1	6.1	6.1	6.1	5
						6.4	0.1	207	26.4	26.4	8.2	8.2	31.9	31.9	90.5	90.5	6.1	6.1	6.1	6.1	6.1				6.1	6.1	6.1	6.1	4
C2	Rainy	Moderate	14:19	11.8	Surface	1.0	0.1	346	26.2	26.2	8.2	8.2	29.5	29.5	90.7	90.7	6.2	6.1	3.8	5.4	5	6	825701	806931					
						1.0	0.1	352	26.2	26.2	8.2	8.2	29.5	29.5	90.6	90.6	6.2	6.1	3.8	5.4	6								
					Middle	5.9	0.1	333	26.1	26.1	8.1	8.1	29.6	29.6	87.6	87.6	6.0	6.0	6.0	6.0	6.0				6.0	6.0	6.0	6.0	6
						5.9	0.1	327	26.1	26.1	8.1	8.1	29.6	29.6	87.5	87.5	6.0	6.0	6.0	6.0	6.0				6.0	6.0	6.0	6.0	7
					Bottom	10.8	0.1	2	26.2	26.2	8.1	8.1	29.7	29.7	88.4	88.6	6.1	6.1	6.1	6.1	6.1				6.1	6.1	6.1	6.1	6
						10.8	0.2	6	26.2	26.2	8.1	8.1	29.7	29.7	88.8	88.6	6.1	6.1	6.1	6.1	6.1				6.1	6.1	6.1	6.1	7
C3	Sunny	Rough	15:47	12.6	Surface	1.0	0.0	68	27.4	27.4	8.2	8.2	34.1	34.1	85.9	85.9	5.6	5.6	1.4	2.0	6	5	822119	817817					
						1.0	0.1	66	27.4	27.4	8.2	8.2	34.1	34.1	85.9	85.9	5.6	5.6	1.5	2.0	5								
					Middle	6.3	0.0	88	27.3	27.3	8.2	8.2	34.1	34.1	84.5	84.6	5.5	5.5	5.5	5.5	5.5				5.5	5.5	5.5	5	
						6.3	-	90	27.3	27.3	8.2	8.2	34.1	34.1	84.6	84.6	5.5	5.5	5.5	5.5	5.5				5.5	5.5	5.5	5	
					Bottom	11.6	0.0	101	27.2	27.2	8.2	8.2	34.1	34.1	83.9	84.0	5.5	5.5	5.5	5.5	5.5				5.5	5.5	5.5	5.5	4
						11.6	0.0	100	27.2	27.2	8.2	8.2	34.1	34.1	84.1	84.0	5.5	5.5	5.5	5.5	5.5				5.5	5.5	5.5	5.5	5
IM1	Rainy	Moderate	15:20	6.8	Surface	1.0	0.1	102	26.3	26.3	8.2	8.2	30.5	30.5	96.5	96.5	6.6	6.6	4.2	6.3	6	7	818361	806454					
						1.0	0.1	100	26.3	26.3	8.2	8.2	30.5	30.5	96.5	96.5	6.6	6.6	4.2	6.3	6								
					Middle	3.4	0.0	102	26.3	26.3	8.2	8.2	30.8	30.8	95.1	95.1	6.5	6.5	6.5	6.5	6.5				6.5	6.5	6.5	6	
						3.4	0.0	102	26.3	26.3	8.2	8.2	30.8	30.8	95.1	95.1	6.5	6.5	6.5	6.5	6.5				6.5	6.5	6.5	7	
					Bottom	5.8	0.1	127	26.3	26.3	8.2	8.2	31.3	31.3	93.6	93.6	6.3	6.3	6.3	6.3	6.3				6.3	6.3	6.3	6.3	8
						5.8	0.0	133	26.3	26.3	8.2	8.2	31.3	31.3	93.6	93.6	6.3	6.3	6.3	6.3	6.3				6.3	6.3	6.3	6.3	7
IM2	Rainy	Moderate	15:12	7.0	Surface	1.0	0.0	69	26.3	26.3	8.2	8.2	30.7	30.7	93.4	93.3	6.3	6.3	5.8	8.7	7	8	819171	806251					
						1.0	0.0	76	26.3	26.3	8.2	8.2	30.7	30.7	93.2	93.3	6.3	6.3	5.9	8.7	6								
					Middle	3.5	-	66	26.1	26.1	8.2	8.2	31.0	31.0	90.6	90.6	6.2	6.2	6.2	6.2	6.2				6.2	6.2	6.2	8	
						3.5	-	69	26.1	26.1	8.2	8.2	31.0	31.0	90.6	90.6	6.2	6.2	6.2	6.2	6.2				6.2	6.2	6.2	6	
					Bottom	6.0	0.0	64	26.0	26.0	8.3	8.3	31.2	31.2	91.9	91.9	6.2	6.2	6.2	6.2	6.2				6.2	6.2	6.2	6.2	10
						6.0	0.0	61	26.0	26.0	8.3	8.3	31.2	31.2	91.9	91.9	6.3	6.3	6.3	6.3	6.3				6.3	6.3	6.3	6.3	11
IM7	Rainy	Moderate	14:46	7.8	Surface	1.0	0.1	58	26.4	26.4	8.2	8.2	29.6	29.6	93.2	93.2	6.4	6.4	2.1	3.1	3	4	821362	806815					
						1.0	0.0	64	26.4	26.4	8.2	8.2	29.6	29.6	93.2	93.2	6.4	6.4	2.1	3.1	4								
					Middle	3.9	0.1	55	26.3	26.3	8.2	8.2	30.0	30.0	92.6	92.6	6.3	6.3	6.3	6.3	6.3				6.3	6.3	6.3	4	
						3.9	0.0	56	26.3	26.3	8.2	8.2	30.0	30.0	92.5	92.5	6.3	6.3	6.3	6.3	6.3				6.3	6.3	6.3	4	
					Bottom	6.8	0.1	49	26.2	26.2	8.2	8.2	31.0	31.0	91.7	91.7	6.2	6.2	6.2	6.2	6.2				6.2	6.2	6.2	6.2	5
						6.8	0.1	43	26.2	26.2	8.2	8.2	31.0	31.0	91.7	91.7	6.2	6.2	6.2	6.2	6.2				6.2	6.2	6.2	6.2	4

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Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Rough	14:18	9.1	Surface	1.0	0.1	331	26.9	26.9	8.2	8.2	33.2	33.2	95.0	95.0	6.3	6.3	1.7	2.3	6	7	822250	809850
						1.0	0.1	326	26.9		8.2		33.2		95.0		6.3		1.7		6			
					Middle	4.6	0.1	331	26.9	26.9	8.2	8.2	33.2	33.2	94.5	94.5	6.3	6.3	2.1	6				
						4.6	0.1	323	26.9	26.9	8.2	8.2	33.2	33.2	94.5	94.5	6.3	6.3	2.1	7				
					Bottom	8.1	0.1	336	26.7	26.7	8.2	8.2	33.2	33.2	91.9	91.9	6.1	6.1	3.0	8				
						8.1	0.1	337	26.7		8.2		33.2		91.9		6.1		3.2	7				
IM11	Sunny	Rough	14:34	8.9	Surface	1.0	0.1	310	26.9	26.9	8.2	8.2	33.3	33.3	93.7	93.7	6.2	6.2	6.1	3.4	5	6	821482	810531
						1.0	0.1	311	26.9		8.2		33.3		93.7		6.2		6.1		5			
					Middle	4.5	0.1	312	26.9	26.9	8.2	8.2	33.3	33.3	93.6	93.6	6.2	6.2	2.0	6				
						4.5	0.1	313	26.9	26.9	8.2	8.2	33.3	33.3	93.5	93.5	6.2	6.2	2.0	6				
					Bottom	7.9	0.1	298	26.8	26.8	8.2	8.2	33.3	33.3	94.5	94.5	6.3	6.3	2.2	6				
						7.9	0.1	298	26.8		8.2		33.3		94.5		6.3		2.2	7				
IM12	Sunny	Rough	14:39	8.2	Surface	1.0	0.1	352	26.9	26.9	8.2	8.2	33.4	33.4	92.9	92.9	6.2	6.2	2.1	2.0	7	6	821141	811530
						1.0	0.1	348	26.9		8.2		33.4		92.9		6.2		2.1		8			
					Middle	4.1	0.1	353	26.9	26.9	8.2	8.2	33.4	33.4	92.6	92.7	6.1	6.1	1.9	5				
						4.1	0.0	346	26.9	26.9	8.2	8.2	33.4	33.4	92.7	92.7	6.1	6.1	2.0	5				
					Bottom	7.2	0.0	5	26.9	26.9	8.2	8.2	33.4	33.4	92.4	92.5	6.1	6.1	2.0	4				
						7.2	0.0	0	26.9		8.2		33.4		92.5		6.1		2.1	4				
SR1A	Sunny	Moderate	15:05	5.2	Surface	1.0	0.0	13	26.9	27.0	8.2	8.2	33.3	33.3	96.6	96.7	6.4	6.4	1.4	1.8	4	5	819970	812665
						1.0	0.0	7	27.0		8.2		33.3		96.8		6.4		1.5		6			
					Middle	2.6	0.0	15	-	-	-	-	-	-	-	-	-	-	-	-				
						2.6	0.0	10	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.2	0.0	23	26.9	26.9	8.2	8.2	33.3	33.3	95.5	95.6	6.3	6.3	2.0	4				
						4.2	0.0	28	26.9		8.2		33.3		95.6		6.3		2.1	5				
SR2	Sunny	Rough	15:16	5.8	Surface	1.0	0.0	39	27.0	27.0	8.2	8.2	33.4	33.4	95.1	95.1	6.3	6.3	3.4	5.1	4	5	821486	814173
						1.0	0.1	32	27.0		8.2		33.4		95.1		6.3		3.4		5			
					Middle	-	0.0	28	-	-	-	-	-	-	-	-	-	-	-					
						-	0.1	25	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.8	0.1	70	26.9	26.9	8.2	8.2	33.4	33.4	92.7	92.7	6.1	6.1	6.8	6				
						4.8	0.0	62	26.9		8.2		33.4		92.7		6.1		6.8	6				
SR3	Rainy	Moderate	14:38	9.2	Surface	1.0	0.0	42	26.2	26.2	8.2	8.2	29.8	29.8	89.7	89.7	6.1	6.1	3.7	6.3	4	6	822132	807575
						1.0	0.1	43	26.2		8.2		29.9		89.7		6.1		3.8		4			
					Middle	4.6	0.0	39	26.1	26.1	8.2	8.2	30.3	30.3	89.6	89.6	6.1	6.1	4.6	5				
						4.6	0.1	46	26.1	26.1	8.2	8.2	30.3	30.3	89.6	89.6	6.1	6.1	4.6	6				
					Bottom	8.2	0.0	18	26.1	26.1	8.2	8.2	30.9	30.9	92.6	92.7	6.3	6.3	10.7	8				
						8.2	0.1	22	26.1		8.2		30.9		92.7		6.3		10.6	6				
SR4A	Rainy	Moderate	15:59	9.0	Surface	1.0	0.0	68	26.4	26.4	8.2	8.2	30.8	30.8	98.6	98.6	6.7	6.7	4.4	4.8	7	7	817197	807826
						1.0	0.0	63	26.4		8.2		30.8		98.6		6.7		4.4		7			
					Middle	4.5	0.0	68	26.4	26.4	8.2	8.2	30.9	30.9	97.5	97.5	6.6	6.6	4.7	7				
						4.5	0.0	67	26.4	26.4	8.2	8.2	30.9	30.9	97.4	97.4	6.6	6.6	4.7	8				
					Bottom	8.0	0.0	54	26.4	26.4	8.2	8.2	31.0	31.0	96.3	96.3	6.5	6.5	5.1	7				
						8.0	0.0	50	26.4		8.2		31.0		96.3		6.5		5.4	8				
SR8	Sunny	Moderate	14:43	5.1	Surface	1.0	-	-	27.0	27.0	8.2	8.2	33.2	33.2	96.4	96.4	6.4	6.4	2.0	1.9	4	4	820368	811621
						1.0	-	-	27.0		8.2		33.2		96.3		6.4		2.0		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.1	-	-	26.9	26.9	8.2	8.2	33.3	33.3	94.4	94.5	6.3	6.3	1.8	4				
						4.1	-	-	26.9		8.2		33.3		94.5		6.3		1.8	4				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Cloudy	Rough	10:29	8.4	Surface	1.0	0.3	23	26.2	26.2	8.2	8.2	30.6	30.6	94.0	93.9	6.4	6.4	4.2	6.3	4	6	815603	804241	
						1.0	0.3	18	26.2	8.2	8.2	30.6	30.6	93.8	93.8	6.4	6.4	4.3	6.3	4	6				
					Middle	4.2	0.3	28	26.2	8.2	8.2	31.3	31.3	91.6	91.6	6.2	6.2	10.8	6.4	6	6	6			6
						4.2	0.4	25	26.2	8.2	8.2	31.3	31.3	91.6	91.6	6.2	6.2	10.9	6.4	7	6	7			6
					Bottom	7.4	0.3	21	26.2	8.2	8.2	31.4	31.4	94.7	94.7	6.4	6.4	13.5	6.4	7	6	7			6
						7.4	0.3	15	26.2	8.2	8.2	31.4	31.4	94.7	94.7	6.4	6.4	13.5	6.4	6	6	6			6
C2	Cloudy	Rough	11:59	11.5	Surface	1.0	0.3	345	26.2	26.2	8.1	8.1	29.5	29.5	91.2	91.2	6.2	6.2	3.6	6.2	6	6	825684	806963	
						1.0	0.3	341	26.2	8.1	8.1	29.5	29.5	91.1	91.1	6.2	6.2	3.6	6.2	5	6				
					Middle	5.8	0.2	0	26.1	8.1	8.1	29.5	29.5	88.7	88.7	6.1	6.1	5.1	6.1	6	6	6			6
						5.8	0.2	4	26.1	8.1	8.1	29.5	29.5	88.6	88.6	6.1	6.1	5.2	6.1	6	6	6			6
					Bottom	10.5	0.3	357	26.2	8.1	8.1	29.6	29.6	88.4	88.4	6.1	6.1	6.5	6.1	7	6	7			6
						10.5	0.2	355	26.2	8.1	8.1	29.6	29.6	88.4	88.4	6.1	6.1	6.7	6.1	8	6	8			6
C3	Sunny	Moderate	10:32	11.9	Surface	1.0	0.4	256	27.2	27.2	8.3	8.3	33.7	33.7	89.4	89.4	5.9	5.9	1.8	5.8	6	5	822113	817823	
						1.0	0.4	249	27.2	8.3	8.3	33.7	33.7	89.4	89.4	5.9	5.9	1.8	5.8	5	5				
					Middle	6.0	0.4	259	27.0	8.2	8.2	33.8	33.8	86.6	86.6	5.7	5.7	1.1	5.6	5	5	5			5
						6.0	0.4	264	27.0	8.2	8.2	33.8	33.8	86.6	86.6	5.7	5.7	1.1	5.6	4	5	4			5
					Bottom	10.9	0.5	248	27.1	8.3	8.3	33.9	33.9	84.8	84.8	5.6	5.6	2.3	5.6	4	5	4			5
						10.9	0.5	249	27.1	8.3	8.3	33.9	33.9	84.8	84.8	5.6	5.6	2.4	5.6	3	5	3			5
IM1	Cloudy	Moderate	10:49	6.4	Surface	1.0	0.2	9	26.2	26.2	8.2	8.2	30.9	30.9	94.0	94.0	6.4	6.4	6.3	6.4	6	8	818358	806437	
						1.0	0.2	15	26.2	8.2	8.2	30.9	30.9	93.9	93.9	6.4	6.4	6.3	6.4	7	8				
					Middle	3.2	0.2	24	26.1	8.2	8.2	31.1	31.1	93.8	93.8	6.4	6.4	7.4	6.4	8	8	8			8
						3.2	0.2	27	26.1	8.2	8.2	31.1	31.1	93.8	93.8	6.4	6.4	7.4	6.4	7	8	7			8
					Bottom	5.4	0.1	0	26.1	8.2	8.2	31.3	31.3	94.5	94.5	6.4	6.4	8.6	6.4	11	6	11			6
						5.4	0.1	359	26.1	8.2	8.2	31.3	31.3	94.7	94.7	6.4	6.4	8.9	6.4	10	6	10			6
IM2	Cloudy	Moderate	10:58	7.5	Surface	1.0	0.2	5	26.2	26.2	8.2	8.2	30.8	30.8	94.4	94.4	6.4	6.4	4.2	6.4	4	5	819169	806229	
						1.0	0.1	2	26.2	8.2	8.2	30.8	30.8	94.3	94.3	6.4	6.4	4.2	6.4	4	5				
					Middle	3.8	0.1	348	26.0	8.2	8.2	31.1	31.1	94.1	94.1	6.4	6.4	8.1	6.4	5	5	5			5
						3.8	0.1	348	26.0	8.2	8.2	31.1	31.1	94.1	94.1	6.4	6.4	8.1	6.4	6	5	6			5
					Bottom	6.5	0.2	3	26.0	8.2	8.2	31.1	31.1	95.3	95.3	6.5	6.5	11.0	6.5	6	5	6			5
						6.5	0.2	2	26.0	8.2	8.2	31.1	31.1	95.5	95.5	6.5	6.5	11.1	6.5	7	5	7			5
IM7	Cloudy	Moderate	11:30	8.6	Surface	1.0	0.1	339	26.3	26.3	8.2	8.2	29.5	29.5	90.8	90.7	6.2	6.2	2.3	6.2	4	5	821352	806828	
						1.0	0.1	336	26.3	8.2	8.2	29.6	29.6	90.6	90.6	6.2	6.2	2.4	6.2	4	5				
					Middle	4.3	0.1	340	26.1	8.2	8.2	29.8	29.8	89.5	89.5	6.1	6.1	3.2	6.1	4	5	4			5
						4.3	0.1	336	26.1	8.2	8.2	29.8	29.8	89.6	89.6	6.1	6.1	3.3	6.1	5	5	5			5
					Bottom	7.6	0.1	337	26.1	8.2	8.2	30.9	30.9	92.5	92.5	6.3	6.3	5.7	6.3	6	5	6			5
						7.6	0.1	339	26.1	8.2	8.2	30.9	30.9	92.7	92.7	6.3	6.3	5.7	6.3	5	5	5			5

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	11:57	8.9	Surface	1.0	0.3	313	26.9	26.9	8.2	8.2	33.3	33.3	94.4	94.4	6.3	6.3	1.6	2.9	4	4	822236	809836
						1.0	0.2	318	26.9		8.2		33.3		94.3		6.3		1.6		3			
					Middle	4.5	0.2	284	26.7	8.2	8.2	33.3	33.3	93.3	93.3	6.2	6.2	3.0	4					
						4.5	0.2	288	26.7	8.2	8.2	33.3	33.3	93.3	93.3	6.2	6.2	3.0	4					
					Bottom	7.9	0.3	292	26.7	8.2	8.2	33.3	33.3	92.9	92.9	6.2	6.2	4.2	4					
						7.9	0.3	288	26.7	8.2	8.2	33.3	33.3	92.9	92.9	6.2	6.2	4.3	5					
IM11	Sunny	Moderate	11:42	8.3	Surface	1.0	0.2	289	26.8	26.8	8.2	8.2	33.4	33.4	94.1	94.1	6.3	6.3	2.9	3.5	6	5	821508	810567
						1.0	0.2	290	26.8		8.2		33.4		94.1		6.3		2.9		5			
					Middle	4.2	0.3	294	26.7	8.2	8.2	33.4	33.4	94.1	94.1	6.2	6.2	3.2	6					
						4.2	0.3	290	26.7	8.2	8.2	33.4	33.4	94.1	94.1	6.2	6.2	3.2	4					
					Bottom	7.3	0.3	260	26.7	8.2	8.2	33.4	33.4	85.2	85.2	5.6	5.6	4.6	4					
						7.3	0.3	262	26.7	8.2	8.2	33.4	33.4	85.2	85.2	5.6	5.6	4.6	4					
IM12	Sunny	Moderate	11:35	7.8	Surface	1.0	0.3	274	26.9	26.9	8.2	8.2	33.3	33.3	91.8	91.8	6.1	6.1	3.2	5.1	8	7	821141	811512
						1.0	0.3	277	26.9		8.2		33.3		91.8		6.1		3.2		7			
					Middle	3.9	0.4	293	26.7	8.2	8.2	33.3	33.3	91.1	91.1	6.1	6.1	5.3	6					
						3.9	0.3	287	26.7	8.2	8.2	33.3	33.3	91.1	91.1	6.1	6.1	5.4	7					
					Bottom	6.8	0.3	295	26.6	8.2	8.2	33.3	33.3	91.1	91.2	6.1	6.1	6.9	6					
						6.8	0.3	293	26.6	8.2	8.2	33.3	33.3	91.2	91.2	6.1	6.1	6.7	6					
SR1A	Sunny	Calm	11:04	4.1	Surface	1.0	0.0	180	26.9	26.9	8.2	8.2	33.2	33.2	97.7	97.7	6.5	6.5	2.6	3.1	4	4	819976	812666
						1.0	0.0	173	26.9		8.2		33.2		97.6		6.5		2.5		5			
					Middle	2.1	0.1	169	-	-	-	-	-	-	-	-	-	-	-					
						2.1	0.1	165	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.1	-	168	26.9	8.2	8.2	33.3	33.3	98.3	98.3	6.5	6.5	3.6	3					
						3.1	0.0	173	26.9	8.2	8.2	33.3	33.3	98.3	98.3	6.5	6.5	3.6	4					
SR2	Sunny	Moderate	10:51	4.7	Surface	1.0	0.1	276	26.8	26.8	8.2	8.2	33.3	33.3	97.3	97.3	6.4	6.4	2.8	3.4	4	4	821444	814188
						1.0	0.1	280	26.8		8.2		33.4		97.3		6.4		2.8		4			
					Middle	-	0.1	283	-	-	-	-	-	-	-	-	-	-						
						-	0.1	282	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.7	0.0	245	26.8	8.2	8.2	33.3	33.3	91.3	91.3	6.1	6.1	4.1	3					
						3.7	0.0	238	26.8	8.2	8.2	33.3	33.3	91.3	91.3	6.1	6.1	4.1	4					
SR3	Cloudy	Rough	11:38	8.9	Surface	1.0	0.2	354	26.3	26.3	8.1	8.1	29.4	29.4	92.1	92.1	6.3	6.2	1.8	3.2	4	4	822149	807562
						1.0	0.2	357	26.3		8.1		29.5		92.0		6.3		1.8		4			
					Middle	4.5	0.2	357	26.1	8.2	8.2	29.8	29.8	89.7	89.8	6.1	6.1	3.4	3					
						4.5	0.3	353	26.1	8.2	8.2	29.8	29.8	89.8	89.8	6.2	6.2	3.5	4					
					Bottom	7.9	0.2	339	26.1	8.2	8.2	30.2	30.2	92.1	92.2	6.3	6.3	4.3	4					
						7.9	0.2	336	26.1	8.2	8.2	30.2	30.2	92.2	92.2	6.3	6.3	4.4	3					
SR4A	Cloudy	Moderate	10:07	9.0	Surface	1.0	0.0	237	26.3	26.3	8.5	8.5	31.0	31.0	94.8	94.8	6.4	6.4	6.3	7.6	7	6	817201	807788
						1.0	0.1	233	26.3		8.5		31.0		94.8		6.4		6.3		6			
					Middle	4.5	0.0	245	26.2	8.5	8.5	31.1	31.1	92.4	92.3	6.3	6.3	7.6	7					
						4.5	0.1	240	26.2	8.5	8.5	31.1	31.1	92.2	92.3	6.3	6.3	7.6	6					
					Bottom	8.0	0.0	221	26.2	8.5	8.5	31.1	31.1	91.6	91.6	6.2	6.2	8.7	6					
						8.0	0.0	227	26.2	8.5	8.5	31.1	31.1	91.6	91.6	6.2	6.2	8.8	5					
SR8	Sunny	Calm	11:26	4.8	Surface	1.0	-	-	26.8	26.8	8.2	8.2	33.0	33.0	95.2	95.2	6.3	6.3	1.8	2.1	6	6	820371	811631
						1.0	-	-	26.8		8.2		33.0		95.2		6.3		1.9		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.8	-	-	26.8	8.2	8.2	33.0	33.0	94.8	94.8	6.3	6.3	2.3	6					
						3.8	-	-	26.8	8.2	8.2	33.1	33.0	94.7	94.7	6.3	6.3	2.3	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 20 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	08:44	8.6	Surface	1.0	0.3	215	24.4	24.4	8.2	8.2	32.4	32.4	92.6	92.6	6.4	6.4	8.1	9.2	4	4	815623	804246
						1.0	0.3	213	24.4	24.4	8.2	8.2	32.4	32.4	92.5	92.4	6.4	6.4	8.3	9.1	5	4		
					Middle	4.3	0.3	221	24.4	24.4	8.2	8.2	32.4	32.4	92.4	92.4	6.4	6.4	9.1	9.1	4	4		
						4.3	0.3	214	24.4	24.4	8.2	8.2	32.4	32.4	92.4	92.4	6.4	6.4	10.2	10.2	2	3		
					Bottom	7.6	0.4	211	24.4	24.4	8.2	8.2	32.4	32.4	92.0	92.1	6.4	6.4	10.2	10.2	2	3		
						7.6	0.4	210	24.4	24.4	8.2	8.2	32.4	32.4	92.2	92.2	6.4	6.4	10.2	10.2	3	3		
C2	Cloudy	Moderate	10:24	11.4	Surface	1.0	0.5	164	24.7	24.7	8.2	8.2	32.0	32.0	91.7	91.7	6.4	6.4	2.4	3.4	4	3	825659	806939
						1.0	0.5	168	24.7	24.7	8.2	8.2	32.0	32.0	91.7	91.7	6.4	6.4	2.5	3.4	4	3		
					Middle	5.7	0.5	182	24.2	24.2	8.2	8.2	32.1	32.1	92.7	92.8	6.5	6.5	3.6	3.6	3	3		
						5.7	0.5	181	24.2	24.2	8.2	8.2	32.1	32.1	92.8	92.8	6.5	6.5	3.7	3.7	4	3		
					Bottom	10.4	0.4	191	24.1	24.1	8.2	8.2	32.1	32.1	93.3	93.4	6.5	6.5	4.1	4.1	2	2		
						10.4	0.5	183	24.1	24.1	8.2	8.2	32.1	32.1	93.4	93.4	6.5	6.5	4.1	4.1	2	2		
C3	Fine	Moderate	07:59	9.0	Surface	1.0	0.1	48	25.4	25.4	8.0	8.0	34.9	34.9	92.5	92.5	6.2	6.2	1.1	1.2	2	3	822105	817819
						1.0	0.1	43	25.4	25.4	8.0	8.0	34.9	34.9	92.5	92.5	6.2	6.2	1.0	1.2	3	3		
					Middle	4.5	0.1	52	25.4	25.4	8.0	8.0	35.0	34.9	92.9	93.0	6.2	6.2	1.2	1.2	3	3		
						4.5	0.1	51	25.4	25.4	8.0	8.0	34.9	34.9	93.0	93.0	6.3	6.3	1.1	1.5	3	3		
					Bottom	8.0	0.1	52	25.4	25.4	8.0	8.0	34.9	34.9	93.7	93.9	6.3	6.3	1.5	1.5	3	4		
						8.0	0.1	48	25.4	25.4	8.0	8.0	34.9	34.9	94.0	94.0	6.3	6.3	1.5	1.5	4	4		
IM1	Cloudy	Moderate	09:00	6.7	Surface	1.0	0.3	192	23.7	23.7	8.2	8.2	32.1	32.1	95.1	95.1	6.7	6.7	3.5	5.8	3	3	818363	806458
						1.0	0.3	189	23.7	23.7	8.2	8.2	32.1	32.1	95.1	95.1	6.7	6.7	3.5	5.8	2	3		
					Middle	3.4	0.3	174	23.8	23.8	8.2	8.2	32.1	32.1	94.0	94.0	6.6	6.6	6.1	6.1	3	3		
						3.4	0.3	170	23.8	23.8	8.2	8.2	32.1	32.1	93.9	93.9	6.6	6.6	6.3	6.3	3	3		
					Bottom	5.7	0.3	170	24.0	24.0	8.2	8.2	32.2	32.2	93.7	93.7	6.6	6.6	7.5	7.5	4	4		
						5.7	0.3	170	24.0	24.0	8.2	8.2	32.2	32.2	93.7	93.7	6.6	6.6	8.1	8.1	4	4		
IM2	Cloudy	Moderate	09:05	7.4	Surface	1.0	0.3	206	23.8	23.8	8.2	8.2	32.1	32.1	91.9	91.9	6.5	6.5	4.7	6.6	2	3	819161	806225
						1.0	0.3	202	23.8	23.8	8.2	8.2	32.1	32.1	91.9	91.9	6.5	6.5	5.0	6.6	2	3		
					Middle	3.7	0.3	190	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	6.9	6.9	2	3		
						3.7	0.2	191	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	7.0	7.0	2	3		
					Bottom	6.4	0.3	208	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	7.9	7.9	3	3		
						6.4	0.3	211	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	7.9	7.9	4	3		
IM7	Cloudy	Moderate	09:31	7.8	Surface	1.0	0.2	203	23.8	23.8	8.2	8.2	32.0	32.0	94.8	94.8	6.7	6.7	2.7	3.9	2	3	821372	806838
						1.0	0.2	208	23.8	23.8	8.2	8.2	32.0	32.0	94.7	94.7	6.7	6.7	2.7	3.9	2	3		
					Middle	3.9	0.2	205	23.8	23.8	8.2	8.2	32.0	32.0	94.5	94.5	6.7	6.7	2.5	2.4	2	3		
						3.9	0.2	198	23.8	23.8	8.2	8.2	32.0	32.0	94.5	94.5	6.7	6.7	2.4	2.4	3	3		
					Bottom	6.8	0.3	216	23.8	23.8	8.2	8.2	31.9	31.9	91.2	91.2	6.4	6.4	6.5	6.5	3	3		
						6.8	0.3	214	23.8	23.8	8.2	8.2	31.9	31.9	91.2	91.2	6.4	6.4	6.7	6.7	3	3		

DA: Depth-Averaged

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

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

Note: The monitoring session on 18 October 2022 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 20 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Fine	Moderate	09:22	8.6	Surface	1.0	0.2	137	24.4	24.4	8.2	8.2	34.4	34.4	97.0	97.0	6.7	6.7	2.1	3	822239	809824				
						1.0	0.2	134	24.4	8.2	8.2	34.4	34.4	97.0	97.0	6.7	6.7	2.2	2							
					Middle	4.3	0.2	138	24.2	24.2	8.2	8.2	34.5	34.5	97.6	97.8	6.7	6.7	3.8	2						
						4.3	0.2	133	24.2	24.2	8.2	8.2	34.5	34.5	97.9	97.8	6.7	6.7	3.7	2						
					Bottom	7.6	0.2	154	24.2	24.2	8.2	8.2	34.5	34.5	98.6	98.8	6.8	6.8	4.4	4						
						7.6	0.2	147	24.2	24.2	8.2	8.2	34.5	34.5	99.0	98.8	6.8	6.8	4.3	5						
IM11	Fine	Moderate	09:12	8.8	Surface	1.0	0.2	113	24.2	24.2	8.2	8.2	34.4	34.5	95.8	95.9	6.6	6.6	3.0	6	821510	810546				
						1.0	0.2	110	24.1	24.2	8.2	8.2	34.5	34.5	95.9	95.9	6.6	6.6	3.1	5						
					Middle	4.4	0.2	120	23.9	23.9	8.2	8.2	34.7	34.7	96.1	96.3	6.7	6.7	4.7	3						
						4.4	0.2	121	23.8	23.9	8.2	8.2	34.7	34.7	96.5	96.3	6.7	6.7	4.6	4						
					Bottom	7.8	0.2	112	23.6	23.6	8.2	8.2	34.9	34.9	101.0	101.2	7.0	7.1	5.1	3						
						7.8	0.2	105	23.5	23.6	8.2	8.2	34.9	34.9	101.4	101.2	7.1	7.1	5.0	3						
IM12	Fine	Moderate	09:01	7.8	Surface	1.0	0.2	123	24.3	24.3	8.2	8.2	34.4	34.4	97.2	97.3	6.7	6.7	1.6	3	821181	811520				
						1.0	0.2	116	24.3	24.3	8.2	8.2	34.4	34.4	97.4	97.3	6.7	6.7	1.5	4						
					Middle	3.9	0.3	104	24.3	24.3	8.2	8.2	34.4	34.4	98.4	98.6	6.8	6.8	2.6	2						
						3.9	0.3	98	24.3	24.3	8.2	8.2	34.4	34.4	98.7	98.6	6.8	6.8	2.6	3						
					Bottom	6.8	0.2	113	24.3	24.3	8.2	8.2	34.4	34.3	100.0	100.3	6.9	6.9	2.3	2						
						6.8	0.2	107	24.3	24.3	8.2	8.2	34.3	34.3	100.6	100.3	6.9	6.9	2.4	3						
SR1A	Fine	Moderate	08:32	4.8	Surface	1.0	0.0	104	25.2	25.2	8.2	8.2	34.6	34.6	97.8	98.0	6.6	6.6	1.6	3	819971	812666				
						1.0	0.0	101	25.2	25.2	8.2	8.2	34.6	34.6	98.2	98.0	6.7	6.7	1.6	2						
					Middle	2.4	0.0	126	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3
						2.4	0.0	131	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.8	0.0	97	25.1	25.1	8.2	8.2	34.2	34.4	99.3	100.0	6.7	6.8	2.1	4						
						3.8	0.0	94	25.1	25.1	8.2	8.2	34.5	34.4	100.6	100.0	6.8	6.8	2.1	3						
SR2	Fine	Moderate	08:18	5.8	Surface	1.0	0.4	25	25.4	25.4	8.1	8.1	34.9	34.9	92.3	92.4	6.2	6.2	3.0	<2	821471	814183				
						1.0	0.4	27	25.4	25.4	8.1	8.1	34.9	34.9	92.4	92.4	6.2	6.2	3.1	<2						
					Middle	-	0.3	29	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	3
						-	0.4	22	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	4.8	0.4	28	25.4	25.4	8.1	8.1	34.9	34.9	92.4	92.4	6.2	6.2	4.1	4						
						4.8	0.4	31	25.4	25.4	8.1	8.1	34.9	34.9	92.4	92.4	6.2	6.2	4.2	3						
SR3	Cloudy	Moderate	09:39	9.2	Surface	1.0	0.4	154	24.4	24.4	8.2	8.2	32.0	32.0	94.2	94.2	6.6	6.6	2.3	3	822152	807578				
						1.0	0.4	159	24.3	24.4	8.2	8.2	32.0	32.0	94.2	94.2	6.6	6.6	2.4	3						
					Middle	4.6	0.5	173	24.0	24.0	8.2	8.2	32.0	32.0	93.9	94.0	6.6	6.6	3.7	4						
						4.6	0.5	175	24.0	24.0	8.2	8.2	32.0	32.0	94.0	94.0	6.6	6.6	3.9	3						
					Bottom	8.2	0.4	172	23.8	23.8	8.2	8.2	32.1	32.1	94.5	94.7	6.7	6.7	5.6	6						
						8.2	0.4	177	23.8	23.8	8.2	8.2	32.1	32.1	94.8	94.7	6.7	6.7	5.6	4						
SR4A	Cloudy	Moderate	08:27	8.6	Surface	1.0	0.0	54	23.9	23.9	8.2	8.2	31.8	31.8	92.2	92.2	6.5	6.5	6.1	2	817178	807788				
						1.0	0.0	57	23.9	23.9	8.2	8.2	31.8	31.8	92.2	92.2	6.5	6.5	6.1	3						
					Middle	4.3	0.0	56	23.9	23.9	8.2	8.2	31.8	31.8	92.3	92.3	6.5	6.5	6.5	2						
						4.3	0.0	60	23.9	23.9	8.2	8.2	31.8	31.8	92.3	92.3	6.5	6.5	6.5	3						
					Bottom	7.6	0.0	63	23.9	23.9	8.2	8.2	31.8	31.8	92.7	92.8	6.5	6.5	6.6	4						
						7.6	0.0	59	23.9	23.9	8.2	8.2	31.8	31.8	92.9	92.8	6.5	6.5	6.6	5						
SR8	Fine	Moderate	08:44	4.8	Surface	1.0	-	-	25.2	25.2	8.2	8.2	34.5	34.5	95.9	96.0	6.5	6.5	2.5	4	820409	811611				
						1.0	-	-	25.2	25.2	8.2	8.2	34.5	34.5	96.0	96.0	6.5	6.5	2.5	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.8	-	-	25.2	25.2	8.2	8.2	34.5	34.5	96.9	97.2	6.6	6.6	3.2	2						
						3.8	-	-	25.2	25.2	8.2	8.2	34.5	34.5	97.4	97.2	6.6	6.6	3.2	3						

DA: Depth-Averaged

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

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

Note: The monitoring session on 18 October 2022 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 20 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Fine	Moderate	16:47	8.0	Surface	1.0	0.3	42	24.1	24.1	8.2	8.2	32.3	32.3	93.4	93.4	6.5	6.5	8.1	8.8	5	4	815609	804251		
						1.0	0.3	41	24.1		8.2		32.3		93.4		6.5		8.4		4					
					Middle	4.0	0.2	14	24.1	24.1	8.2	8.2	32.3	32.3	93.6	93.7	6.5	6.5	10.4	6.6	6.6	6.6			3	3
						4.0	0.2	13	24.1		8.2		32.3		93.7		6.5		11.1		4					
					Bottom	7.0	0.2	56	24.1	24.1	8.2	8.2	32.3	32.3	94.5	94.7	6.6	6.6	7.7	6.6	6.6	6.6			2	3
						7.0	0.2	49	24.1		8.2		32.3		94.9		6.6		7.0		3					
C2	Fine	Moderate	15:41	11.4	Surface	1.0	0.0	333	24.7	24.7	8.2	8.2	32.0	32.0	91.9	92.0	6.4	6.4	2.6	4.9	3	3	825703	806934		
						1.0	0.1	333	24.7		8.2		32.0		92.0		6.4		2.7		2					
					Middle	5.7	0.1	323	24.3	24.3	8.2	8.2	32.1	32.1	91.7	91.8	6.4	6.4	3.6	6.4	6.4	6.4			3	3
						5.7	0.1	323	24.3		8.2		32.1		91.8		6.4		3.5		2					
					Bottom	10.4	0.0	319	24.2	24.2	8.2	8.2	32.1	32.1	91.7	91.6	6.4	6.4	9.8	6.4	6.4	6.4			2	3
						10.4	0.1	317	24.2		8.2		32.1		91.4		6.4		7.3		3					
C3	Fine	Moderate	17:09	8.2	Surface	1.0	0.3	264	25.5	25.5	8.3	8.3	34.7	34.7	97.0	97.1	6.5	6.6	1.5	1.7	4	3	822127	817788		
						1.0	0.3	258	25.5		8.3		34.7		97.1		6.5		1.6		3					
					Middle	4.1	0.3	240	25.5	25.5	8.3	8.3	34.7	34.7	97.7	97.9	6.6	6.6	1.7	6.7	6.7	6.7			3	3
						4.1	0.2	246	25.4		8.3		34.7		98.0		6.6		1.7		4					
					Bottom	7.2	0.3	257	25.4	25.4	8.3	8.3	34.7	34.7	99.5	99.8	6.7	6.7	1.9	6.7	6.7	6.7			3	3
						7.2	0.3	252	25.4		8.3		34.7		100.1		6.7		1.9		3					
IM1	Fine	Moderate	16:19	6.2	Surface	1.0	0.1	31	24.0	24.0	8.2	8.2	32.1	32.1	93.9	93.9	6.6	6.6	4.0	6.4	2	3	818330	806445		
						1.0	0.2	34	24.0		8.2		32.1		93.9		6.6		4.1		2					
					Middle	3.1	0.2	20	23.9	23.9	8.2	8.2	32.1	32.1	94.0	94.1	6.6	6.6	5.7	6.7	6.7	6.7			3	3
						3.1	0.1	21	23.9		8.2		32.1		94.1		6.6		5.9		4					
					Bottom	5.2	0.2	21	23.9	23.9	8.2	8.2	32.1	32.1	95.8	96.0	6.7	6.7	9.5	6.6	6.6	6.6			4	3
						5.2	0.2	25	23.9		8.2		32.1		96.1		6.7		9.4		3					
IM2	Fine	Moderate	16:12	6.8	Surface	1.0	0.2	16	24.0	24.0	8.2	8.2	32.1	32.1	92.8	92.8	6.5	6.5	8.0	9.8	2	3	819177	806230		
						1.0	0.2	10	23.9		8.2		32.1		92.7		6.5		8.4		3					
					Middle	3.4	0.1	19	23.9	23.9	8.2	8.2	32.1	32.1	92.8	92.9	6.5	6.5	9.7	6.6	6.6	6.6			3	3
						3.4	0.1	25	23.9		8.2		32.1		92.9		6.5		9.5		2					
					Bottom	5.8	0.2	28	23.9	23.9	8.2	8.2	32.1	32.1	94.2	94.4	6.6	6.6	11.2	6.6	6.6	6.6			2	3
						5.8	0.2	27	23.9		8.2		32.1		94.6		6.6		11.9		3					
IM7	Fine	Moderate	15:55	7.6	Surface	1.0	0.1	325	24.2	24.2	8.2	8.2	31.9	31.9	95.0	95.0	6.6	6.6	2.2	4.2	3	3	821344	806814		
						1.0	0.0	329	24.1		8.2		31.9		94.9		6.6		2.5		3					
					Middle	3.8	0.0	313	23.9	23.9	8.2	8.2	32.0	32.0	93.9	93.9	6.6	6.6	4.3	6.6	6.6	6.6			3	3
						3.8	0.1	318	23.9		8.2		32.0		93.9		6.6		4.4		3					
					Bottom	6.6	0.1	336	23.8	23.8	8.2	8.2	32.0	32.0	93.9	94.0	6.6	6.6	5.9	6.6	6.6	6.6			4	3
						6.6	0.1	335	23.8		8.2		32.0		94.0		6.6		6.1		3					

DA: Depth-Averaged

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

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

Note: The monitoring session on 18 October 2022 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 20 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Moderate	15:31	8.2	Surface	1.0	0.2	271	24.4	24.4	8.2	8.2	34.4	34.4	96.0	96.1	6.6	6.6	1.7	2.6	4	4	822244	809837				
						1.0	0.3	267	24.4	8.2	8.2	34.4	34.4	96.1	96.1	6.6	6.6	1.6	2.6	3	4							
					Middle	4.1	0.2	259	24.3	24.3	8.2	8.2	34.5	34.5	96.2	96.3	6.6	6.6	3.0	2.6	3	4						
						4.1	0.2	259	24.3	24.3	8.2	8.2	34.5	34.5	96.3	96.3	6.6	6.6	2.9	2.6	4	4						
					Bottom	7.2	0.2	296	24.4	24.4	8.2	8.2	34.4	34.4	96.7	96.7	6.6	6.6	3.2	6.6	4	4						
						7.2	0.3	294	24.4	24.4	8.2	8.2	34.4	34.4	96.7	96.7	6.6	6.6	3.3	6.6	5	4						
IM11	Fine	Moderate	16:12	8.6	Surface	1.0	0.3	282	24.3	24.3	8.2	8.2	34.4	34.4	95.8	95.9	6.6	6.6	2.0	2.8	4	4	821484	810530				
						1.0	0.3	278	24.3	24.3	8.3	8.2	34.4	34.4	96.0	96.0	6.6	6.6	1.9	2.8	4	4						
					Middle	4.3	0.3	295	24.3	24.3	8.3	8.3	34.4	34.4	96.2	96.2	6.6	6.6	2.9	2.8	4	4						
						4.3	0.2	293	24.3	24.3	8.3	8.3	34.4	34.4	96.2	96.2	6.6	6.6	2.9	2.8	4	4						
					Bottom	7.6	0.3	274	24.3	24.3	8.3	8.3	34.4	34.4	97.0	97.2	6.7	6.7	3.7	6.7	3	4						
						7.6	0.3	270	24.3	24.3	8.3	8.3	34.4	34.4	97.3	97.2	6.7	6.7	3.7	6.7	2	4						
IM12	Fine	Moderate	16:18	7.6	Surface	1.0	0.3	271	24.3	24.3	8.2	8.2	34.5	34.5	99.0	99.1	6.8	6.8	2.6	3.5	3	4	821139	811536				
						1.0	0.3	266	24.3	24.3	8.2	8.2	34.5	34.5	99.2	99.2	6.8	6.8	2.6	3.5	3	4						
					Middle	3.8	0.3	271	24.2	24.2	8.2	8.2	34.5	34.5	99.7	99.8	6.9	6.9	3.7	3.5	4	4						
						3.8	0.3	267	24.2	24.2	8.2	8.2	34.5	34.5	99.9	99.9	6.9	6.9	3.7	3.5	3	4						
					Bottom	6.6	0.3	284	24.2	24.2	8.2	8.2	34.5	34.5	100.8	101.1	6.9	6.9	4.0	7.0	4	4						
						6.6	0.3	282	24.2	24.2	8.2	8.2	34.5	34.5	101.4	101.1	7.0	7.0	4.1	7.0	4	4						
SR1A	Fine	Moderate	16:31	4.8	Surface	1.0	0.0	214	25.3	25.3	8.2	8.2	34.6	34.6	97.6	97.8	6.6	6.6	1.5	1.7	4	3	819976	812664				
						1.0	-	210	25.3	25.3	8.2	8.2	34.6	34.6	97.9	97.9	6.6	6.6	1.5	1.7	3	3						
					Middle	2.4	0.0	187	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.7	-	3	3
						2.4	0.1	181	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.7	-	3	3
					Bottom	3.8	0.0	217	25.3	25.3	8.2	8.2	34.5	34.5	99.0	99.3	6.7	6.7	1.8	6.7	3	3						
						3.8	0.1	213	25.3	25.3	8.2	8.2	34.6	34.5	99.5	99.3	6.7	6.7	1.9	6.7	3	3						
SR2	Fine	Moderate	16:49	5.4	Surface	1.0	0.1	216	24.9	24.9	8.2	8.2	34.5	34.5	99.7	99.9	6.8	6.8	1.5	1.8	3	4	821451	814186				
						1.0	0.1	209	24.8	24.9	8.2	8.2	34.5	34.5	100.0	99.9	6.8	6.8	1.6	1.8	3	4						
					Middle	-	0.1	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-	4	4
						-	0.1	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-	4	4
					Bottom	4.4	0.1	210	24.8	24.8	8.2	8.2	34.4	34.4	101.0	101.3	6.9	6.9	2.0	6.9	4	4						
						4.4	0.2	205	24.8	24.8	8.2	8.2	34.4	34.4	101.5	101.3	6.9	6.9	2.0	6.9	4	4						
SR3	Fine	Moderate	15:48	9.5	Surface	1.0	0.1	331	24.4	24.4	8.2	8.2	32.1	32.0	93.9	93.9	6.5	6.5	2.6	5.2	3	3	822156	807562				
						1.0	0.1	327	24.3	24.4	8.2	8.2	32.0	32.0	93.8	93.8	6.5	6.5	2.8	5.2	2	3						
					Middle	4.8	0.0	331	23.9	23.9	8.2	8.2	32.1	32.1	93.1	93.1	6.5	6.5	5.8	5.2	2	3						
						4.8	0.0	325	23.9	23.9	8.2	8.2	32.1	32.1	93.1	93.1	6.5	6.5	5.9	5.2	3	3						
					Bottom	8.5	0.1	332	23.9	23.9	8.2	8.2	32.0	32.0	93.8	94.0	6.6	6.6	6.8	6.6	3	3						
						8.5	0.1	328	23.9	23.9	8.2	8.2	32.0	32.0	94.1	94.0	6.6	6.6	7.2	6.6	3	3						
SR4A	Fine	Moderate	17:05	9.2	Surface	1.0	0.0	206	23.8	23.8	8.2	8.2	32.0	32.0	94.0	94.0	6.6	6.6	5.3	7.9	3	3	817179	807793				
						1.0	0.1	211	23.8	23.8	8.2	8.2	32.0	32.0	94.0	94.0	6.6	6.6	5.3	7.9	2	3						
					Middle	4.6	0.0	207	23.7	23.7	8.2	8.2	32.1	32.1	92.9	92.9	6.6	6.6	7.7	7.9	3	3						
						4.6	0.1	202	23.7	23.7	8.2	8.2	32.1	32.1	92.9	92.9	6.5	6.5	7.9	7.9	2	3						
					Bottom	8.2	0.0	224	23.7	23.7	8.3	8.3	32.1	32.1	93.0	93.1	6.6	6.6	10.6	6.6	3	3						
						8.2	0.1	226	23.7	23.7	8.3	8.3	32.1	32.1	93.2	93.1	6.6	6.6	10.7	6.6	3	3						
SR8	Fine	Moderate	16:22	4.8	Surface	1.0	-	-	25.4	25.4	8.2	8.2	34.4	34.4	97.0	97.1	6.6	6.6	1.4	1.5	3	4	820376	811633				
						1.0	-	-	25.4	25.4	8.2	8.2	34.4	34.4	97.1	97.1	6.6	6.6	1.5	1.5	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.5	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.5	-	4	4
					Bottom	3.8	-	-	25.4	25.4	8.2	8.2	34.4	34.4	97.4	97.6	6.6	6.6	1.6	6.6	4	4						
						3.8	-	-	25.4	25.4	8.2	8.2	34.4	34.4	97.8	97.6	6.6	6.6	1.6	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 18 October 2022 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 22 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	09:44	8.6	Surface	1.0	0.2	202	24.4	24.4	8.2	8.2	32.4	32.4	92.6	92.6	6.4	6.4	6.4	9.2	8.1	8	815612	804238		
						1.0	0.2	207	24.4	8.2	8.2	32.4	32.4	92.5	92.5	6.4	6.4									
					Middle	4.3	0.2	214	24.4	24.4	8.2	8.2	32.4	32.4	92.4	92.4	6.4	6.4	6.4	6.4	6.4	6.4			9.1	12
						4.3	0.3	218	24.4	24.4	8.2	8.2	32.4	32.4	92.4	92.4	6.4	6.4	6.4	6.4	6.4	6.4			9.1	13
					Bottom	7.6	0.3	185	24.4	24.4	8.2	8.2	32.4	32.4	92.0	92.1	6.4	6.4	6.4	6.4	6.4	6.4			10.2	12
						7.6	0.3	183	24.4	24.4	8.2	8.2	32.4	32.4	92.2	92.2	6.4	6.4	6.4	6.4	6.4	6.4			10.2	14
C2	Fine	Moderate	11:24	11.4	Surface	1.0	0.5	169	24.7	24.7	8.2	8.2	32.0	32.0	91.7	91.7	6.4	6.4	6.5	3.4	2.4	4	825690	806932		
						1.0	0.5	163	24.7	24.7	8.2	8.2	32.0	32.0	91.7	91.7	6.4	6.4								
					Middle	5.7	0.6	161	24.2	24.2	8.2	8.2	32.1	32.1	92.7	92.8	6.5	6.5	6.5	6.5	6.5	6.5			3.6	2
						5.7	0.6	154	24.2	24.2	8.2	8.2	32.1	32.1	92.8	92.8	6.5	6.5	6.5	6.5	6.5	6.5			3.7	3
					Bottom	10.4	0.5	151	24.1	24.1	8.2	8.2	32.1	32.1	93.3	93.4	6.5	6.5	6.5	6.5	6.5	6.5			4.1	2
						10.4	0.5	144	24.1	24.1	8.2	8.2	32.1	32.1	93.4	93.4	6.5	6.5	6.5	6.5	6.5	6.5			4.1	3
C3	Fine	Moderate	09:22	11.3	Surface	1.0	0.2	67	25.4	25.4	8.2	8.2	34.7	34.7	93.1	93.0	6.3	6.3	6.2	1.6	0.5	4	822106	817798		
						1.0	0.2	67	25.4	25.4	8.2	8.2	34.7	34.7	92.9	92.9	6.3	6.3								
					Middle	5.7	0.2	80	25.3	25.3	8.1	8.1	34.8	34.8	90.0	90.0	6.1	6.1	6.1	6.1	6.1	6.1			1.7	3
						5.7	0.2	73	25.3	25.3	8.1	8.1	34.8	34.8	90.0	90.0	6.1	6.1	6.1	6.1	6.1	6.1			1.7	4
					Bottom	10.3	0.2	70	25.3	25.3	8.1	8.1	34.9	34.9	90.2	90.3	6.1	6.1	6.1	6.1	6.1	6.1			2.7	5
						10.3	0.1	75	25.3	25.3	8.2	8.1	34.9	34.9	90.4	90.3	6.1	6.1	6.1	6.1	6.1	6.1			2.6	3
IM1	Fine	Moderate	10:00	6.7	Surface	1.0	0.1	174	23.7	23.7	8.2	8.2	32.1	32.1	95.1	95.1	6.7	6.7	6.7	5.8	3.5	4	818328	806450		
						1.0	0.1	170	23.7	23.7	8.2	8.2	32.1	32.1	95.1	95.1	6.7	6.7								
					Middle	3.4	0.2	194	23.8	23.8	8.2	8.2	32.1	32.1	94.0	94.0	6.6	6.6	6.6	6.6	6.6	6.6			6.1	4
						3.4	0.1	188	23.8	23.8	8.2	8.2	32.1	32.1	93.9	93.9	6.6	6.6	6.6	6.6	6.6	6.6			6.3	4
					Bottom	5.7	0.1	193	24.0	24.0	8.2	8.2	32.2	32.2	93.7	93.7	6.6	6.6	6.6	6.6	6.6	6.6			7.5	4
						5.7	0.1	187	24.0	24.0	8.2	8.2	32.2	32.2	93.7	93.7	6.6	6.6	6.6	6.6	6.6	6.6			8.1	4
IM2	Fine	Moderate	10:05	7.4	Surface	1.0	0.2	191	23.8	23.8	8.2	8.2	32.1	32.1	91.9	91.9	6.5	6.5	6.5	6.6	4.7	6	819204	806249		
						1.0	0.1	187	23.8	23.8	8.2	8.2	32.1	32.1	91.9	91.9	6.5	6.5								
					Middle	3.7	0.2	165	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	6.4	6.4	6.4	6.4			6.9	6
						3.7	0.2	165	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	6.4	6.4	6.4	6.4			7.0	7
					Bottom	6.4	0.2	187	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	6.4	6.4	6.4	6.4			7.9	5
						6.4	0.2	183	23.8	23.8	8.2	8.2	32.1	32.1	91.5	91.5	6.4	6.4	6.4	6.4	6.4	6.4			7.9	7
IM7	Fine	Moderate	10:31	7.8	Surface	1.0	0.2	182	23.8	23.8	8.2	8.2	32.0	32.0	94.8	94.8	6.7	6.7	6.7	3.9	2.7	6	821338	806845		
						1.0	0.2	179	23.8	23.8	8.2	8.2	32.0	32.0	94.7	94.7	6.7	6.7								
					Middle	3.9	0.1	168	23.8	23.8	8.2	8.2	32.0	32.0	94.5	94.5	6.7	6.7	6.7	6.7	6.7	6.7			2.5	5
						3.9	0.1	173	23.8	23.8	8.2	8.2	32.0	32.0	94.5	94.5	6.7	6.7	6.7	6.7	6.7	6.7			2.4	5
					Bottom	6.8	0.2	189	23.8	23.8	8.2	8.2	31.9	31.9	91.2	91.2	6.4	6.4	6.4	6.4	6.4	6.4			6.5	3
						6.8	0.3	190	23.8	23.8	8.2	8.2	31.9	31.9	91.2	91.2	6.4	6.4	6.4	6.4	6.4	6.4			6.7	3

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Fine	Moderate	10:51	8.2	Surface	1.0	0.4	110	25.2	25.2	8.2	8.2	33.7	33.7	99.8	99.8	6.8	6.8	6.7	2.0	6	4	822223	809852		
						1.0	0.4	107	25.2		8.2	8.2	33.7	33.7	99.8	99.8	6.8	6.8								
					Middle	4.1	0.4	112	25.1	25.1	8.2	8.2	34.0	34.0	97.2	97.2	6.6	6.6	6.7	2.0	5	3			4	5
						4.1	0.4	115	25.1		8.2	8.2	34.0	34.0	97.1	97.1	6.6	6.6								
					Bottom	7.2	0.4	118	25.0	25.0	8.2	8.2	34.1	34.1	97.7	97.8	6.7	6.7	6.7	2.0	3	3			4	3
						7.2	0.4	117	25.0		8.2	8.2	34.1	34.1	97.8	97.8	6.7	6.7								
IM11	Fine	Moderate	10:43	7.7	Surface	1.0	0.5	109	25.1	25.1	8.2	8.2	33.9	33.9	97.9	97.9	6.7	6.7	6.6	2.2	4	3	821521	810526		
						1.0	0.5	113	25.1		8.2	8.2	33.9	33.9	97.8	97.9	6.7	6.7								
					Middle	3.9	0.4	103	25.1	25.1	8.1	8.1	34.1	34.1	96.3	96.3	6.6	6.6	6.6	2.2	3	3			4	3
						3.9	0.4	102	25.1		8.1	8.1	34.1	34.1	96.2	96.3	6.5	6.5								
					Bottom	6.7	0.5	120	25.0	25.0	8.1	8.1	34.3	34.2	96.6	96.7	6.6	6.6	6.6	2.2	3	3			4	3
						6.7	0.5	112	25.0		8.1	8.1	34.2	34.2	96.8	96.7	6.6	6.6								
IM12	Fine	Moderate	10:35	8.6	Surface	1.0	0.5	109	25.0	25.0	8.2	8.2	34.4	34.4	95.4	95.4	6.5	6.5	6.5	3.8	4	5	821165	811509		
						1.0	0.5	105	25.0		8.2	8.2	34.4	34.4	95.3	95.3	6.5	6.5								
					Middle	4.3	0.4	98	25.0	25.0	8.2	8.2	34.4	34.4	95.3	95.3	6.5	6.5	6.5	3.8	6	7			5	4
						4.3	0.4	90	25.0		8.2	8.2	34.4	34.4	95.3	95.3	6.5	6.5								
					Bottom	7.6	0.5	91	25.0	25.0	8.2	8.2	34.4	34.4	95.5	95.5	6.5	6.5	6.5	3.8	5	4			5	4
						7.6	0.4	93	25.0		8.2	8.2	34.4	34.4	95.5	95.5	6.5	6.5								
SR1A	Fine	Moderate	10:03	5.3	Surface	1.0	0.0	91	25.2	25.2	8.1	8.1	34.4	34.4	94.4	94.4	6.4	6.4	6.4	2.6	4	6	819975	812666		
						1.0	0.0	97	25.2		8.1	8.1	34.4	34.4	94.4	94.4	6.4	6.4								
					Middle	2.7	0.0	86	-	-	-	-	-	-	-	-	-	-	6.4	2.6	-	-			5	-
						2.7	-	79	-		-	-	-	-	-	-	-	-								
					Bottom	4.3	0.0	104	25.1	25.1	8.1	8.1	34.5	34.5	94.4	94.5	6.4	6.4	6.4	2.6	6	5			5	-
						4.3	0.0	104	25.1		8.1	8.1	34.5	34.5	94.5	94.5	6.4	6.4								
SR2	Fine	Moderate	09:47	4.3	Surface	1.0	0.3	62	25.1	25.1	8.2	8.2	34.5	34.5	94.8	94.8	6.4	6.4	6.4	2.0	3	3	821472	814171		
						1.0	0.3	60	25.1		8.2	8.2	34.5	34.5	94.8	94.8	6.4	6.4								
					Middle	-	0.3	46	-	-	-	-	-	-	-	-	-	-	6.4	2.0	-	-			4	-
						-	0.3	40	-		-	-	-	-	-	-	-	-								
					Bottom	3.3	0.4	57	25.0	25.0	8.2	8.2	34.5	34.5	95.0	95.0	6.4	6.5	6.5	2.0	5	5			-	-
						3.3	0.4	58	25.0		8.2	8.2	34.5	34.5	95.0	95.0	6.5	6.5								
SR3	Fine	Moderate	10:39	9.2	Surface	1.0	0.4	145	24.4	24.4	8.2	8.2	32.0	32.0	94.2	94.2	6.6	6.6	6.6	3.9	3	4	822147	807577		
						1.0	0.4	146	24.3		8.2	8.2	32.0	32.0	94.2	94.2	6.6	6.6								
					Middle	4.6	0.4	174	24.0	24.0	8.2	8.2	32.0	32.0	93.9	94.0	6.6	6.6	6.6	3.9	3	4			3	4
						4.6	0.4	171	24.0		8.2	8.2	32.0	32.0	94.0	94.0	6.6	6.6								
					Bottom	8.2	0.3	178	23.8	23.8	8.2	8.2	32.1	32.1	94.5	94.7	6.7	6.7	6.7	3.9	2	3			3	4
						8.2	0.4	176	23.8		8.2	8.2	32.1	32.1	94.8	94.7	6.7	6.7								
SR4A	Fine	Moderate	09:27	8.6	Surface	1.0	0.0	99	23.9	23.9	8.2	8.2	31.8	31.8	92.2	92.2	6.5	6.5	6.5	6.4	14	13	817200	807795		
						1.0	0.0	96	23.9		8.2	8.2	31.8	31.8	92.2	92.2	6.5	6.5								
					Middle	4.3	-	96	23.9	23.9	8.2	8.2	31.8	31.8	92.3	92.3	6.5	6.5	6.5	6.4	11	11			12	11
						4.3	0.0	89	23.9		8.2	8.2	31.8	31.8	92.3	92.3	6.5	6.5								
					Bottom	7.6	0.0	92	23.9	23.9	8.2	8.2	31.8	31.8	92.7	92.8	6.5	6.5	6.5	6.4	6	6			11	11
						7.6	0.1	99	23.9		8.2	8.2	31.8	31.8	92.9	92.8	6.5	6.5								
SR8	Fine	Moderate	10:29	5.0	Surface	1.0	-	-	25.7	25.7	8.2	8.2	34.3	34.3	96.3	96.2	6.5	6.5	6.5	4.2	5	4	820402	811599		
						1.0	-	-	25.7		8.2	8.2	34.3	34.3	96.1	96.2	6.5	6.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	4.2	-	-			5	-
						-	-	-	-		-	-	-	-	-	-	-	-								
					Bottom	4.0	-	-	25.1	25.2	8.7	8.7	34.3	34.3	93.9	93.9	6.4	6.4	6.4	4.2	6	5			6	5
						4.0	-	-	25.2		8.7	8.7	34.3	34.3	93.9	93.9	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 22 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Fine	Moderate	17:07	8.0	Surface	1.0	0.2	41	24.1	24.1	8.2	8.2	32.3	32.3	93.4	93.4	6.5	6.5	6.5	8.1	8.8	5	6	815611	804258			
						1.0	0.2	44	24.1		8.2		32.3		93.4		6.5					8.4				6		
					Middle	4.0	0.2	23	24.1	24.1	8.2	8.2	32.3	32.3	93.6	93.7	6.5	6.5	6.5	6.5	6.5	10.4	8.8			6	6	
						4.0	0.2	20	24.1		8.2		32.3		93.7		6.5									11.1		5
					Bottom	7.0	0.3	33	24.1	24.1	8.2	8.2	32.3	32.3	94.5	94.7	6.6	6.6	6.6	6.6	6.6	6.6	7.7			8.8	6	6
						7.0	0.3	36	24.1		8.2		32.3		94.9		6.6										7.0	
C2	Fine	Moderate	16:01	11.4	Surface	1.0	0.0	246	24.7	24.7	8.2	8.2	32.0	32.0	91.9	92.0	6.4	6.4	6.4	2.6	4.9	6	5	825666	806941			
						1.0	0.0	251	24.7		8.2		32.0		92.0		6.4					2.7				5		
					Middle	5.7	0.1	236	24.3	24.3	8.2	8.2	32.1	32.1	91.7	91.8	6.4	6.4	6.4	6.4	6.4	3.6	4.9			5	5	
						5.7	0.1	232	24.3		8.2		32.1		91.8		6.4									3.5		5
					Bottom	10.4	0.0	267	24.2	24.2	8.2	8.2	32.1	32.1	91.7	91.6	6.4	6.4	6.4	6.4	6.4	6.4	9.8			4.9	4	4
						10.4	0.0	268	24.2		8.2		32.1		91.4		6.4										7.3	
C3	Fine	Moderate	17:19	11.2	Surface	1.0	0.4	277	25.4	25.4	8.3	8.3	34.0	34.0	92.7	92.7	6.3	6.3	6.3	3.0	4.6	3	3	822131	817786			
						1.0	0.3	280	25.4		8.3		34.0		92.6		6.3					4.5				2		
					Middle	5.6	0.4	246	25.0	25.0	8.3	8.3	34.6	34.6	91.1	91.2	6.2	6.2	6.2	6.2	6.2	4.8	4.6			2	2	
						5.6	0.4	241	25.0		8.3		34.6		91.3		6.2									5.9		2
					Bottom	10.2	0.4	284	25.0	25.0	8.3	8.3	34.8	34.8	92.9	93.0	6.3	6.3	6.3	6.3	6.3	6.3	6.0			4.6	3	3
						10.2	0.5	281	25.0		8.3		34.9		93.1		6.3										3.6	
IM1	Fine	Moderate	16:39	6.2	Surface	1.0	0.1	14	24.0	24.0	8.2	8.2	32.1	32.1	93.9	93.9	6.6	6.6	6.6	4.0	6.4	13	13	818373	806438			
						1.0	0.1	8	24.0		8.2		32.1		93.9		6.6					4.1				13		
					Middle	3.1	0.1	8	23.9	23.9	8.2	8.2	32.1	32.1	94.0	94.1	6.6	6.6	6.6	6.6	6.6	5.7	6.4			13	13	
						3.1	0.1	3	23.9		8.2		32.1		94.1		6.6									5.9		14
					Bottom	5.2	0.1	18	23.9	23.9	8.2	8.2	32.1	32.1	95.8	96.0	6.7	6.7	6.7	6.7	6.7	6.7	9.5			6.4	14	14
						5.2	0.1	18	23.9		8.2		32.1		96.1		6.7										9.4	
IM2	Fine	Moderate	16:32	6.8	Surface	1.0	0.1	264	24.0	24.0	8.2	8.2	32.1	32.1	92.8	92.8	6.5	6.5	6.5	8.0	9.8	8	8	819180	806215			
						1.0	0.1	266	23.9		8.2		32.1		92.7		6.5					8.4				7		
					Middle	3.4	0.1	282	23.9	23.9	8.2	8.2	32.1	32.1	92.8	92.9	6.5	6.5	6.5	6.5	6.5	9.7	9.8			9	9	
						3.4	0.2	275	23.9		8.2		32.1		92.9		6.5									9.5		8
					Bottom	5.8	0.1	245	23.9	23.9	8.2	8.2	32.1	32.1	94.2	94.4	6.6	6.6	6.6	6.6	6.6	6.6	11.2			9.8	8	8
						5.8	0.0	250	23.9		8.2		32.1		94.6		6.6										11.9	
IM7	Fine	Moderate	16:15	7.6	Surface	1.0	0.1	259	24.2	24.2	8.2	8.2	31.9	31.9	95.0	95.0	6.6	6.6	6.6	2.2	4.2	5	4	821367	806831			
						1.0	0.1	262	24.1		8.2		31.9		94.9		6.6					2.5				4		
					Middle	3.8	0.1	246	23.9	23.9	8.2	8.2	32.0	32.0	93.9	93.9	6.6	6.6	6.6	6.6	6.6	4.3	4.2			5	5	
						3.8	0.2	241	23.9		8.2		32.0		93.9		6.6									4.4		4
					Bottom	6.6	0.2	278	23.8	23.8	8.2	8.2	32.0	32.0	93.9	94.0	6.6	6.6	6.6	6.6	6.6	6.6	5.9			4.2	4	4
						6.6	0.2	279	23.8		8.2		32.0		94.0		6.6										6.1	

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 22 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Fine	Moderate	15:57	8.9	Surface	1.0	0.2	253	25.7	25.7	8.3	8.3	33.4	33.4	101.2	101.2	6.8	6.7	3.0	4.4	<2	3	822260	809849			
						1.0	0.2	251	25.7		8.3		33.4		101.2		6.8		4.2		<2						
					Middle	4.5	0.2	257	25.4	25.4	8.3	8.3	33.8	33.8	97.6	97.6	6.6	6.7	4.2	6.7	5.2	6.7			2	3	
						4.5	0.1	262	25.4		8.3		33.8		97.6		6.6		3								
					Bottom	7.9	0.2	255	25.4	25.4	8.3	8.3	33.9	33.9	98.0	98.1	6.6	6.7	5.1	6.7	4	6.7			4	3	
						7.9	0.1	258	25.4		8.3		33.9		98.1		6.7		5.0		4						
IM11	Fine	Moderate	16:12	8.0	Surface	1.0	0.3	277	25.6	25.6	8.2	8.2	33.4	33.4	99.8	99.7	6.8	6.7	6.1	4.5	5	4	821523	810553			
						1.0	0.3	273	25.6		8.2		33.4		99.6		6.7		4.4		3						
					Middle	4.0	0.3	255	25.4	25.4	8.2	8.2	33.8	33.8	97.7	97.7	6.6	6.6	4.5	6.6	4	6.6			3	3	
						4.0	0.2	261	25.4		8.3		33.8		97.6		6.6		4.5		4						
					Bottom	7.0	0.3	261	25.4	25.4	8.3	8.3	33.9	33.9	97.3	97.4	6.6	6.6	4.5	6.6	3	6.6			3	3	
						7.0	0.3	267	25.4		8.3		33.9		97.4		6.6		3.0		3						
IM12	Fine	Moderate	16:24	8.5	Surface	1.0	0.3	276	26.4	26.4	8.2	8.2	31.9	32.0	105.9	105.9	7.1	6.9	4.6	6.1	3	3	821144	811536			
						1.0	0.3	279	26.3		8.2		32.0		105.9		7.1		9.0		2						
					Middle	4.3	0.3	281	25.7	25.7	8.2	8.2	32.8	32.8	98.5	98.6	6.7	6.7	8.8	6.7	4	6.7			4	3	
						4.3	0.4	285	25.7		8.2		32.8		98.6		6.7		4.0		3						
					Bottom	7.5	0.3	260	25.6	25.7	8.2	8.2	32.9	32.9	99.0	99.1	6.7	6.7	4.1	6.7	3	6.7			3	3	
						7.5	0.3	264	25.7		8.2		32.9		99.2		6.7		6.1		2						
SR1A	Fine	Moderate	17:03	5.2	Surface	1.0	0.1	194	25.9	25.9	8.2	8.2	32.6	32.6	103.6	103.7	7.0	7.0	3.8	4.7	3	3	819982	812656			
						1.0	0.1	200	25.9		8.2		32.6		103.7		7.0		4.7		3						
					Middle	2.6	0.0	177	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3
						2.6	0.0	181	-		-		-		-		-		-		-				-		
					Bottom	4.2	0.0	180	25.7	25.7	8.2	8.2	33.1	33.1	104.9	105.0	7.1	7.1	4.8	7.1	7.1	7.1			2	7.1	3
						4.2	0.0	175	25.7		8.2		33.1		105.1		7.1		5.6		<2						
SR2	Fine	Moderate	17:03	4.6	Surface	1.0	0.2	226	25.9	25.9	8.2	8.2	32.6	32.6	103.6	103.7	7.0	7.0	3.8	4.7	<2	2	821439	814152			
						1.0	0.2	220	25.9		8.2		32.6		103.7		7.0		4.7		<2						
					Middle	-	0.2	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
						-	0.2	250	-		-		-		-		-		-		-						
					Bottom	3.6	0.2	216	25.7	25.7	8.2	8.2	33.1	33.1	104.9	105.0	7.1	7.1	4.8	7.1	7.1	7.1			2	7.1	3
						3.6	0.1	210	25.7		8.2		33.1		105.1		7.1		5.6		<2						
SR3	Fine	Moderate	16:08	9.5	Surface	1.0	0.1	258	24.4	24.4	8.2	8.2	32.1	32.0	93.9	93.9	6.5	6.5	2.6	5.2	3	4	822169	807589			
						1.0	0.1	259	24.3		8.2		32.0		93.8		6.5		2.8		2						
					Middle	4.8	0.1	275	23.9	23.9	8.2	8.2	32.1	32.1	93.1	93.1	6.5	6.5	5.8	6.5	4	6.5			4	6.5	
						4.8	0.1	272	23.9		8.2		32.1		93.1		6.5		5.9		4						
					Bottom	8.5	0.1	271	23.9	23.9	8.2	8.2	32.0	32.0	93.8	94.0	6.6	6.6	6.8	6.6	6.6	6.6			3	6.6	
						8.5	0.2	273	23.9		8.2		32.0		94.1		6.6		7.2		5						
SR4A	Fine	Moderate	17:25	9.2	Surface	1.0	0.0	181	23.8	23.8	8.2	8.2	32.0	32.0	94.0	94.0	6.6	6.6	5.3	7.9	13	15	817187	807827			
						1.0	0.0	181	23.8		8.2		32.0		94.0		6.6		5.3		13						
					Middle	4.6	0.0	183	23.7	23.7	8.2	8.2	32.1	32.1	92.9	92.9	6.6	6.6	7.7	6.6	15	6.6			14	6.6	
						4.6	0.0	186	23.7		8.2		32.1		92.9		6.5		7.9		14						
					Bottom	8.2	0.0	168	23.7	23.7	8.3	8.3	32.1	32.1	93.0	93.1	6.6	6.6	10.6	6.6	16	6.6			18	6.6	
						8.2	0.0	170	23.7		8.3		32.1		93.2		6.6		10.7		18						
SR8	Fine	Moderate	16:29	4.8	Surface	1.0	-	-	26.8	26.8	8.2	8.2	32.7	32.7	104.8	104.8	7.0	7.0	8.9	6.6	4	3	820393	811603			
						1.0	-	-	26.8		8.2		32.7		104.8		7.0		6.5		4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
						-	-	-	-		-		-		-		-		-		-						
					Bottom	3.8	-	-	25.7	25.7	8.2	8.2	33.0	33.0	102.0	102.2	6.9	6.9	6.3	6.9	6.9	6.9			<2	6.9	
						3.8	-	-	25.7		8.2		33.0		102.3		6.9		4.6		<2						

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Fine	Moderate	12:08	8.0	Surface	8.0	0.4	204	25.0	25.0	8.2	8.2	35.2	35.2	96.1	96.1	6.5	6.5	7.1	7.1	7	8	815605	804225		
						8.0	0.4	211	25.0	25.0	8.2	8.2	35.2	35.2	96.1	96.1	6.5	6.5	7.2	7.2	8					
					Middle	8.0	0.3	199	25.0	25.0	8.2	8.2	35.2	35.2	95.2	95.2	6.4	6.4	6.5	6.5	7.7				7.7	8
						8.0	0.3	206	25.0	25.0	8.2	8.2	35.2	35.2	95.1	95.2	6.4	6.4	7.7	7.7	7					
					Bottom	8.0	0.3	218	24.9	24.9	8.2	8.2	35.2	35.2	96.6	96.7	6.5	6.5	14.9	14.9	6.6				6.6	7
						8.0	0.3	223	24.9	24.9	8.2	8.2	35.2	35.2	96.8	96.7	6.6	6.6	14.7	14.7	6.6				6.6	9
C2	Fine	Moderate	11:10	11.2	Surface	11.2	0.1	168	25.1	25.1	8.2	8.2	33.6	33.6	98.3	98.3	6.7	6.7	2.7	2.7	8	6	825693	806955		
						11.2	0.1	175	25.1	25.1	8.2	8.2	33.6	33.6	98.3	98.3	6.7	6.7	2.7	2.7	6					
					Middle	11.2	0.1	186	25.0	25.0	8.2	8.2	33.7	33.7	97.7	97.7	6.7	6.7	3.3	3.3	6.4				6.4	5
						11.2	0.1	191	25.0	25.0	8.2	8.2	33.7	33.7	97.6	97.6	6.7	6.7	3.3	3.3	6					
					Bottom	11.2	0.2	149	24.9	25.0	8.2	8.2	33.9	33.9	97.1	97.2	6.6	6.6	13.7	13.7	6.6				6.6	7
						11.2	0.2	141	25.0	25.0	8.2	8.2	33.9	33.9	97.2	97.2	6.6	6.6	13.1	13.1	6.6				6.6	6
C3	Fine	Moderate	12:16	8.2	Surface	8.2	0.4	66	25.0	25.0	8.2	8.2	32.2	32.2	91.6	91.9	6.3	6.3	1.3	1.3	5	4	822100	817786		
						8.2	0.3	72	25.0	25.0	8.2	8.2	32.2	32.2	92.1	91.9	6.3	6.3	1.4	1.4	4					
					Middle	8.2	0.3	94	25.0	25.0	8.2	8.2	32.2	32.2	95.8	96.1	6.6	6.6	2.4	2.4	6.5				6.5	5
						8.2	0.3	89	25.0	25.0	8.2	8.2	32.2	32.2	96.4	96.4	6.6	6.6	2.5	2.5	6.5				6.5	4
					Bottom	8.2	0.3	78	25.0	25.0	8.2	8.2	32.2	32.2	98.0	98.7	6.8	6.8	3.3	3.3	6.8				6.8	4
						8.2	0.3	84	25.0	25.0	8.3	8.2	32.2	32.2	99.4	98.7	6.8	6.8	3.2	3.2	6.8				6.8	4
IM1	Fine	Moderate	11:56	7.4	Surface	7.4	0.2	188	25.0	25.0	8.2	8.2	34.7	34.7	97.1	97.0	6.6	6.6	6.2	6.2	4	6	818333	806460		
						7.4	0.1	191	25.0	25.0	8.2	8.2	34.7	34.7	96.9	97.0	6.6	6.6	6.4	6.4	4					
					Middle	7.4	0.2	200	25.0	25.0	8.2	8.2	34.9	34.9	95.7	95.7	6.5	6.5	11.5	11.5	6.6				6.6	6
						7.4	0.2	194	25.0	25.0	8.2	8.2	34.9	34.9	95.7	95.7	6.5	6.5	11.9	11.9	6.6				6.6	8
					Bottom	7.4	0.2	204	25.0	25.0	8.2	8.2	35.0	35.0	96.9	97.0	6.6	6.6	15.5	15.5	6.6				6.6	8
						7.4	0.1	204	25.0	25.0	8.2	8.2	35.0	35.0	97.0	97.0	6.6	6.6	15.6	15.6	6.6				6.6	8
IM2	Fine	Moderate	11:51	8.2	Surface	8.2	0.1	182	25.0	25.0	8.3	8.3	34.7	34.7	97.5	97.5	6.6	6.6	4.6	4.6	7	8	819197	806220		
						8.2	0.2	184	25.0	25.0	8.3	8.3	34.7	34.7	97.4	97.4	6.6	6.6	4.6	4.6	7					
					Middle	8.2	0.1	163	24.9	24.9	8.3	8.3	34.8	34.8	96.2	96.3	6.5	6.5	12.1	12.1	6.6				6.6	8
						8.2	0.1	163	24.9	24.9	8.3	8.3	34.8	34.8	96.3	96.3	6.5	6.5	11.6	11.6	6.6				6.6	8
					Bottom	8.2	0.1	188	24.9	24.9	8.2	8.2	34.7	34.7	97.0	97.1	6.6	6.6	8.7	8.7	6.6				6.6	7
						8.2	0.2	187	24.9	24.9	8.2	8.2	34.7	34.7	97.2	97.1	6.6	6.6	9.0	9.0	6.6				6.6	9
IM7	Fine	Moderate	11:32	7.8	Surface	7.8	0.2	106	25.0	25.0	8.2	8.2	33.8	33.9	99.1	99.0	6.8	6.7	2.3	2.3	8	6	821372	806848		
						7.8	0.2	103	25.0	25.0	8.2	8.2	33.9	33.9	98.9	99.0	6.7	6.7	2.3	2.3	8					
					Middle	7.8	0.2	114	24.9	24.9	8.2	8.2	34.0	34.1	97.1	97.0	6.6	6.6	3.6	3.6	6.7				6.7	5
						7.8	0.2	109	24.9	24.9	8.2	8.2	34.1	34.1	96.9	97.0	6.6	6.6	3.9	3.9	6.7				6.7	4
					Bottom	7.8	0.2	108	24.9	24.9	8.2	8.2	34.4	34.4	95.4	95.5	6.5	6.5	8.1	8.1	6.5				6.5	6
						7.8	0.2	111	24.9	24.9	8.2	8.2	34.4	34.4	95.5	95.5	6.5	6.5	8.3	8.3	6.5				6.5	6

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Fine	Moderate	11:11	7.8	Surface	7.8	0.2	75	24.6	24.6	8.3	8.3	31.3	31.3	100.6	100.6	7.0	7.0	1.6	1.6	5	5	822247	809834				
						7.8	0.2	70	24.6	24.6	8.3	8.3	31.3	31.3	100.5	100.6	7.0	7.0	1.6	1.6	7	7						
					Middle	7.8	0.2	92	24.6	24.6	8.3	8.3	31.3	31.3	100.6	100.7	7.0	7.0	2.4	2.4	5	5			6	6		
						7.8	0.3	88	24.6	24.6	8.3	8.3	31.3	31.3	100.8	100.8	7.0	7.0	2.5	2.5	7	7						
					Bottom	7.8	0.3	81	24.6	24.6	8.3	8.3	31.3	31.3	101.3	101.4	7.1	7.1	2.4	2.4	5	5			4	4		
						7.8	0.3	77	24.6	24.6	8.4	8.3	31.4	31.3	101.5	101.4	7.1	7.1	2.4	2.4	4	4						
IM11	Fine	Moderate	11:18	8.6	Surface	8.6	0.3	82	24.7	24.7	8.3	8.3	31.7	31.7	100.0	100.1	6.9	7.0	1.1	1.1	5	5	821481	810554				
						8.6	0.3	75	24.7	24.7	8.3	8.3	31.7	31.7	100.1	100.1	7.0	7.0	1.1	1.1	6	6						
					Middle	8.6	0.2	83	24.7	24.7	8.3	8.3	31.7	31.7	100.5	100.6	7.0	7.0	1.6	1.6	5	5			5	5		
						8.6	0.3	90	24.7	24.7	8.3	8.3	31.7	31.7	100.7	100.6	7.0	7.0	1.5	1.5	5	5						
					Bottom	8.6	0.3	82	24.6	24.6	8.3	8.3	31.7	31.7	101.2	101.5	7.0	7.1	2.8	2.8	4	4			4	4		
						8.6	0.3	83	24.6	24.6	8.3	8.3	31.7	31.7	101.8	101.5	7.1	7.1	2.8	2.8	4	4						
IM12	Fine	Moderate	11:23	7.8	Surface	7.8	0.3	91	24.7	24.7	8.2	8.2	31.7	31.7	100.2	100.3	7.0	7.0	1.1	1.1	6	6	821150	811535				
						7.8	0.4	90	24.7	24.7	8.2	8.2	31.7	31.7	100.4	100.3	7.0	7.0	1.1	1.1	4	4						
					Middle	7.8	0.3	106	24.7	24.7	8.2	8.2	31.7	31.7	100.8	100.9	7.0	7.0	2.1	2.1	6	6			6	6		
						7.8	0.4	107	24.7	24.7	8.2	8.2	31.7	31.7	101.0	100.9	7.0	7.0	2.1	2.1	6	6						
					Bottom	7.8	0.3	88	24.7	24.7	8.2	8.2	31.6	31.6	101.8	102.1	7.1	7.1	2.3	2.3	5	5			7	7		
						7.8	0.4	85	24.7	24.7	8.2	8.2	31.6	31.6	102.4	102.1	7.1	7.1	2.3	2.3	7	7						
SR1A	Fine	Moderate	11:45	4.8	Surface	4.8	0.1	26	24.6	24.6	8.2	8.2	31.6	31.6	96.7	96.8	6.7	6.7	2.5	2.5	4	4	819981	812655				
						4.8	0.1	25	24.6	24.6	8.2	8.2	31.6	31.6	96.9	96.8	6.7	6.7	2.6	2.6	4	4						
					Middle	4.8	0.0	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						4.8	0.0	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	4.8	0.0	37	24.6	24.6	8.2	8.2	31.6	31.6	97.1	97.3	6.8	6.8	3.1	3.1	4	4			5	5		
						4.8	0.0	35	24.6	24.6	8.2	8.2	31.6	31.6	97.5	97.3	6.8	6.8	3.1	3.1	5	5						
SR2	Fine	Moderate	11:58	5.0	Surface	5.0	0.3	67	24.8	24.8	8.2	8.2	31.6	31.6	101.1	101.3	7.0	7.0	1.6	1.6	6	6	821455	814160				
						5.0	0.3	74	24.8	24.8	8.2	8.2	31.6	31.6	101.5	101.3	7.0	7.0	1.6	1.6	6	6						
					Middle	-	0.3	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
						-	0.3	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	5.0	0.3	71	24.7	24.7	8.2	8.2	31.7	31.6	102.4	102.7	7.1	7.2	2.9	2.9	5	5			6	6		
						5.0	0.3	76	24.7	24.7	8.2	8.2	31.6	31.6	102.9	102.7	7.2	7.2	2.8	2.8	6	6						
SR3	Fine	Moderate	11:26	9.4	Surface	9.4	0.2	143	25.1	25.1	8.2	8.2	33.6	33.6	99.6	99.6	6.8	6.8	2.4	2.4	6	6	822161	807563				
						9.4	0.2	144	25.1	25.1	8.2	8.2	33.6	33.6	99.5	99.6	6.8	6.8	2.4	2.4	6	6						
					Middle	9.4	0.2	139	25.0	25.0	8.2	8.2	33.9	33.9	97.4	97.4	6.6	6.6	6.4	6.4	5	5			6	6		
						9.4	0.2	137	25.0	25.0	8.2	8.2	33.9	33.9	97.3	97.3	6.6	6.6	6.7	6.7	6	6						
					Bottom	9.4	0.1	133	25.0	25.0	8.3	8.3	34.2	34.2	97.8	97.9	6.7	6.7	12.4	12.4	5	5			6	6		
						9.4	0.1	129	25.0	25.0	8.3	8.3	34.2	34.2	97.9	97.9	6.7	6.7	12.7	12.7	6	6						
SR4A	Fine	Moderate	12:26	9.2	Surface	9.2	0.0	83	25.0	25.0	8.3	8.3	34.8	34.8	96.6	96.6	6.6	6.6	5.5	5.5	9	9	817181	807812				
						9.2	0.1	80	25.0	25.0	8.3	8.3	34.8	34.8	96.6	96.6	6.6	6.6	5.6	5.6	9	9						
					Middle	9.2	0.1	95	25.0	25.0	8.3	8.3	34.8	34.8	95.9	95.9	6.5	6.5	7.2	7.2	10	10			9	9		
						9.2	0.1	93	25.0	25.0	8.3	8.3	34.8	34.8	95.9	95.9	6.5	6.5	7.4	7.4	8	8						
					Bottom	9.2	0.0	99	25.0	25.0	8.3	8.3	34.8	34.8	97.3	97.4	6.6	6.6	8.3	8.3	10	10			8	8		
						9.2	0.0	102	25.0	25.0	8.3	8.3	34.8	34.8	97.4	97.4	6.6	6.6	8.3	8.3	8	8						
SR8	Fine	Moderate	11:28	4.6	Surface	4.6	-	-	24.7	24.7	8.2	8.2	31.5	31.5	101.4	101.6	7.1	7.1	2.4	2.4	5	5	820374	811630				
						4.6	-	-	24.6	24.6	8.2	8.2	31.5	31.5	101.8	101.6	7.1	7.1	2.3	2.3	5	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	4.6	-	-	24.6	24.6	8.2	8.2	31.5	31.4	102.3	102.7	7.1	7.2	3.8	3.8	6	6			4	4		
						4.6	-	-	24.6	24.6	8.2	8.2	31.4	31.4	103.0	102.7	7.2	7.2	3.9	3.9	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 25 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
C1	Fine	Moderate	06:45	8.0	Surface	8.0	0.4	28	25.0	25.0	8.2	8.2	35.2	35.2	93.8	93.8	6.4	6.4	10.9	12.2	11	12	815630	804256										
						8.0	0.4	21	25.0	8.2	8.2	35.2	35.2	93.8	6.4	10.8	11																	
					Middle	8.0	0.4	19	24.9	24.9	8.2	8.2	35.2	35.2	93.9	94.0	6.4		11.1		12													
						8.0	0.4	19	24.9	24.9	8.2	8.2	35.2	35.2	94.0	6.4	11.3		12															
					Bottom	8.0	0.4	43	24.9	24.9	8.2	8.2	35.2	35.2	95.0	95.1	6.4		14.9		12													
						8.0	0.4	39	24.9	24.9	8.2	8.2	35.2	35.2	95.2	95.1	6.5		14.3		12													
					C2	Fine	Moderate	07:51	10.6	Surface	10.6	0.5	4	25.1	25.1	8.2	8.2		33.6		33.6				98.2	98.2	6.7	6.7	2.9	7.5	6	6	825679	806934
											10.6	0.5	7	25.1	25.1	8.2	8.2		33.6		33.6				98.2	6.7	3.0		6					
Middle	10.6	0.4	6	25.0						25.0	8.2	8.2	33.8	33.8	97.2	97.2	6.6	4.2	7															
	10.6	0.5	2	25.0						25.0	8.2	8.2	33.8	33.8	97.1	97.0	6.6	4.3	6															
Bottom	10.6	0.4	2	24.9						24.9	8.2	8.2	33.9	33.9	96.9	97.0	6.6	15.2	5															
	10.6	0.5	357	24.9						24.9	8.2	8.2	33.9	33.9	97.0	97.0	6.6	15.7	5															
C3	Fine	Moderate	07:22	8.8						Surface	8.8	0.5	267	25.0	25.0	8.0	8.0	31.9	31.9	84.7	84.7	5.8	5.9	1.0	2.6	6	5		822104		817802			
											8.8	0.4	270	25.0	25.0	8.0	8.0	31.9	31.9	84.7	5.8	1.0		5										
					Middle	8.8	0.4	270	25.0	25.0	8.0	8.0	31.9	31.8	85.0	85.1	5.9	2.9	6															
						8.8	0.4	277	25.0	25.0	8.0	8.0	31.8	31.8	85.1	85.1	5.9	3.0	4															
					Bottom	8.8	0.4	276	25.0	25.0	8.0	8.0	31.8	31.8	86.0	86.3	5.9	4.0	6															
						8.8	0.5	282	25.0	25.0	8.0	8.0	31.8	31.8	86.5	86.3	6.0	3.8	5															
					IM1	Fine	Moderate	07:00	6.8	Surface	6.8	0.3	8	25.0	25.0	8.2	8.2	34.6	34.6	95.5	95.5	6.5		6.5		7.6		9.3		11		9	818354	806478
											6.8	0.3	14	25.0	25.0	8.2	8.2	34.6	34.6	95.4	95.3	6.5				7.6				9				
Middle	6.8	0.2	33	25.0						25.0	8.2	8.2	34.6	34.6	95.3	95.3	6.5	8.2	8															
	6.8	0.3	26	25.0						25.0	8.2	8.2	34.6	34.6	95.3	95.3	6.5	8.3	9															
Bottom	6.8	0.2	9	24.9						24.9	8.2	8.2	34.7	34.7	96.0	96.1	6.5	11.9	8															
	6.8	0.2	3	24.9						24.9	8.2	8.2	34.7	34.7	96.1	96.1	6.5	12.3	8															
IM2	Fine	Moderate	07:05	7.7						Surface	7.7	0.3	8	24.9	24.9	8.2	8.2	34.6	34.6	96.6	96.6	6.6	6.6		5.2	5.2	14		11	819161	806238			
											7.7	0.3	15	24.9	24.9	8.2	8.2	34.6	34.6	96.6	96.6	6.6			5.2		12							
					Middle	7.7	0.2	16	24.9	24.9	8.2	8.2	34.7	34.7	96.9	96.9	6.6	5.1	12															
						7.7	0.3	10	24.9	24.9	8.2	8.2	34.7	34.7	96.9	96.9	6.6	5.1	13															
					Bottom	7.7	0.3	31	24.8	24.8	8.2	8.2	34.7	34.7	97.7	97.8	6.7	5.5	8															
						7.7	0.3	37	24.8	24.8	8.2	8.2	34.7	34.7	97.9	97.8	6.7	5.5	9															
					IM7	Fine	Moderate	07:28	8.2	Surface	8.2	0.3	6	25.0	25.0	8.3	8.3	33.7	33.7	98.4	98.3	6.7		6.6	2.2		4.4	8				7	821343	806825
											8.2	0.3	10	25.0	25.0	8.3	8.3	33.8	33.8	98.2	98.3	6.7			2.2			10						
Middle	8.2	0.3	347	24.9						24.9	8.3	8.3	34.3	34.3	96.0	96.0	6.5	4.6	6															
	8.2	0.2	350	24.9						24.9	8.3	8.3	34.3	34.3	95.9	96.0	6.5	4.7	6															
Bottom	8.2	0.2	13	24.9						24.9	8.3	8.3	34.4	34.4	96.1	96.2	6.6	6.3	6															
	8.2	0.2	8	24.9						24.9	8.3	8.3	34.4	34.4	96.3	96.2	6.6	6.2	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 25 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Fine	Moderate	08:25	8.0	Surface	8.0	0.4	295	24.6	24.6	8.2	8.2	31.6	31.6	99.2	99.3	6.9	7.0	1.0	1.8	5	5	822235	809829		
						8.0	0.4	292	24.6	24.6	8.2	8.2	31.6	31.6	99.4	99.3	6.9	7.0	1.0	1.8	6					
					Middle	8.0	0.4	307	24.6	24.6	8.2	8.2	31.6	31.6	100.1	100.3	7.0	7.0	1.9	1.8	5					
						8.0	0.4	301	24.6	24.6	8.2	8.2	31.6	31.6	100.5	100.3	7.0	7.0	1.9	1.8	4					
					Bottom	8.0	0.4	313	24.6	24.6	8.3	8.3	31.6	31.6	101.6	102.1	7.1	7.2	2.3	7.2	2.3				5	
						8.0	0.4	305	24.6	24.6	8.3	8.3	31.6	31.6	102.6	102.1	7.2	7.2	2.4	7.2	2.4				7	
IM11	Fine	Moderate	08:19	8.4	Surface	8.4	0.5	293	24.7	24.7	8.3	8.3	31.6	31.6	97.5	97.6	6.8	6.8	2.1	3.1	5	821510	810557			
						8.4	0.5	297	24.7	24.7	8.3	8.3	31.5	31.6	97.7	97.6	6.8	6.8	2.1							
					Middle	8.4	0.4	266	24.7	24.7	8.3	8.3	31.5	31.5	98.2	98.4	6.8	6.8	3.2					7		
						8.4	0.5	272	24.7	24.7	8.3	8.3	31.5	31.5	98.5	98.4	6.8	6.8	3.1					5		
					Bottom	8.4	0.4	288	24.7	24.7	8.3	8.3	31.5	31.4	99.5	99.8	6.9	7.0	4.0					7.0	4.0	5
						8.4	0.4	293	24.7	24.7	8.3	8.3	31.4	31.4	100.1	99.8	7.0	7.0	4.0					7.0	4.0	4
IM12	Fine	Moderate	08:13	7.8	Surface	7.8	0.4	287	24.6	24.6	8.2	8.2	31.6	31.6	97.9	98.0	6.8	6.9	1.3	2.2	5	821184	811528			
						7.8	0.5	289	24.6	24.6	8.2	8.2	31.6	31.6	98.0	98.0	6.8	6.8	1.3							
					Middle	7.8	0.5	279	24.6	24.6	8.2	8.2	31.6	31.6	98.6	98.8	6.9	6.9	2.3					6.9	2.3	5
						7.8	0.5	283	24.6	24.6	8.2	8.2	31.6	31.6	99.0	98.8	6.9	6.9	2.4					6.9	2.4	5
					Bottom	7.8	0.4	281	24.6	24.6	8.2	8.2	31.5	31.5	100.0	100.5	7.0	7.0	3.0					7.0	3.0	5
						7.8	0.4	282	24.6	24.6	8.2	8.2	31.5	31.5	100.9	100.5	7.0	7.0	3.1					7.0	3.1	6
SR1A	Fine	Moderate	07:52	4.4	Surface	4.4	0.0	210	24.4	24.4	8.2	8.2	31.6	31.6	99.6	100.0	7.0	7.0	5.8	5.9	5	819970	812665			
						4.4	0.1	215	24.4	24.4	8.2	8.2	31.6	31.6	100.3	100.0	7.0	7.0	5.7							
					Middle	4.4	0.0	222	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						4.4	0.1	218	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	4.4	-	209	24.3	24.4	8.2	8.2	31.6	31.6	100.7	100.8	7.0	7.1	6.0					7.1	6.0	4
						4.4	0.0	211	24.4	24.4	8.2	8.2	31.5	31.6	100.9	100.8	7.1	7.1	6.0					7.1	6.0	4
SR2	Fine	Moderate	07:41	5.8	Surface	5.8	0.1	241	24.7	24.7	8.2	8.2	31.6	31.6	94.7	94.7	6.6	6.6	1.7	2.1	4	821456	814167			
						5.8	0.1	234	24.7	24.7	8.2	8.2	31.6	31.6	94.7	94.7	6.6	6.6	1.7							
					Middle	-	0.1	240	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						-	0.1	243	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	5.8	0.0	219	24.7	24.7	8.2	8.2	31.6	31.6	94.8	94.9	6.6	6.6	2.6					6.6	2.6	5
						5.8	0.1	211	24.7	24.7	8.2	8.2	31.6	31.6	94.9	94.9	6.6	6.6	2.6					6.6	2.6	4
SR3	Fine	Moderate	07:35	9.2	Surface	9.2	0.4	346	25.1	25.1	8.2	8.2	33.6	33.6	98.9	98.8	6.7	6.7	3.0	9.0	5	822153	807585			
						9.2	0.4	344	25.1	25.1	8.2	8.2	33.6	33.6	98.7	98.8	6.7	6.7	3.2							
					Middle	9.2	0.4	333	25.0	25.0	8.2	8.2	34.1	34.1	96.7	96.7	6.6	6.6	10.3					6.6	10.3	5
						9.2	0.4	329	25.0	25.0	8.2	8.2	34.1	34.1	96.7	96.7	6.6	6.6	10.9					6.6	10.9	4
					Bottom	9.2	0.4	329	24.9	24.9	8.2	8.2	34.2	34.2	97.3	97.4	6.6	6.6	13.3					6.6	13.3	5
						9.2	0.5	328	24.9	24.9	8.2	8.2	34.2	34.2	97.4	97.4	6.6	6.6	13.2					6.6	13.2	5
SR4A	Fine	Moderate	06:27	9.0	Surface	9.0	0.0	197	25.0	25.0	8.1	8.1	34.8	34.8	95.2	95.2	6.5	6.5	8.2	10.0	15	817175	807821			
						9.0	0.1	200	25.0	25.0	8.1	8.1	34.8	34.8	95.2	95.2	6.5	6.5	8.2							
					Middle	9.0	0.0	230	25.0	25.0	8.0	8.0	34.9	34.9	95.0	95.0	6.5	6.5	10.2					6.5	10.2	14
						9.0	0.0	234	24.9	24.9	8.0	8.0	34.9	34.9	95.0	95.0	6.4	6.4	10.4					6.4	10.4	14
					Bottom	9.0	0.0	193	24.9	24.9	8.0	8.0	34.9	34.9	95.0	95.0	6.4	6.5	11.7					6.5	11.7	15
						9.0	0.1	187	24.9	24.9	8.0	8.0	34.9	34.9	95.0	95.0	6.5	6.5	11.6					6.5	11.6	16
SR8	Fine	Moderate	08:08	4.2	Surface	4.2	-	-	24.7	24.7	8.3	8.3	31.4	31.4	101.4	101.6	7.1	7.1	2.4	3.1	5	820372	811605			
						4.2	-	-	24.7	24.7	8.3	8.3	31.4	31.4	101.7	101.6	7.1	7.1	2.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	4.2	-	-	24.6	24.6	8.3	8.3	31.4	31.4	102.1	102.4	7.1	7.2	3.7					7.2	3.7	4
						4.2	-	-	24.6	24.6	8.3	8.3	31.4	31.4	102.7	102.4	7.2	7.2	3.7					7.2	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 27 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	13:40	8.4	Surface	1.0	0.3	196	25.3	8.3	8.3	33.7	33.7	102.9	102.9	7.0	6.8	2.3	7	7	815632	804246		
						1.0	0.2	189	25.2	8.3	8.3	33.7	33.7	102.8	102.9	7.0			2.4				6	
					Middle	4.2	0.2	207	24.7	8.3	8.3	34.6	34.6	96.1	96.1	6.6		6.6	7.8				8	
						4.2	0.2	207	24.7	8.3	8.3	34.6	34.6	96.0	96.1	6.6		6.6	8.2				7	
					Bottom	7.4	0.3	199	24.7	8.2	8.2	34.7	34.7	96.4	96.6	6.6		6.6	12.5				7	
						7.4	0.2	200	24.7	8.2	8.2	34.7	34.7	96.8	96.6	6.6		6.6	12.6				8	
C2	Fine	Moderate	12:41	11.1	Surface	1.0	0.0	166	25.2	8.3	8.3	32.9	32.9	97.3	97.2	6.6	6.6	4.8	4	9	825704	806965		
						1.0	0.1	167	25.2	8.3	8.3	33.0	33.0	97.1	97.2	6.6			5.1				6	
					Middle	5.6	0.0	153	25.0	8.3	8.3	33.4	33.5	95.9	95.9	6.6		6.6	9.1				8	
						5.6	0.0	150	25.0	8.3	8.3	33.5	33.5	95.9	95.9	6.6		6.6	9.5				9	
					Bottom	10.1	0.0	149	25.0	8.3	8.3	33.7	33.7	95.9	96.0	6.6		6.6	11.0				12	
						10.1	0.0	151	25.0	8.3	8.3	33.7	33.7	96.0	96.0	6.6		6.6	10.8				13	
C3	Fine	Moderate	13:32	8.2	Surface	1.0	0.2	81	25.1	8.3	8.3	31.9	31.9	96.4	96.4	6.6	6.6	2.7	6	8	822101	817824		
						1.0	0.2	77	25.1	8.3	8.3	31.9	31.9	96.4	96.4	6.6			2.7				7	
					Middle	4.1	0.2	56	25.2	8.3	8.3	31.9	31.9	96.4	96.5	6.6		6.6	3.1				7	
						4.1	0.2	61	25.2	8.3	8.3	31.9	31.9	96.5	96.5	6.6		6.6	3.2				8	
					Bottom	7.2	0.2	64	25.5	8.3	8.3	31.7	31.7	97.2	97.4	6.7		6.7	4.1				10	
						7.2	0.3	59	25.6	8.3	8.3	31.6	31.7	97.6	97.4	6.7		6.7	4.1				9	
IM1	Fine	Moderate	13:27	6.5	Surface	1.0	0.1	171	25.4	8.3	8.3	34.3	34.3	101.6	101.6	6.9	6.7	4.2	8	9	818338	806457		
						1.0	0.1	174	25.4	8.3	8.3	34.3	34.3	101.5	101.6	6.9			4.2				8	
					Middle	3.3	0.1	175	24.7	8.3	8.3	34.5	34.5	95.5	95.4	6.5		6.5	7.7				8	
						3.3	0.2	168	24.7	8.3	8.3	34.5	34.5	95.3	95.4	6.5		6.5	7.7				8	
					Bottom	5.5	0.1	191	24.7	8.3	8.3	34.5	34.5	94.4	94.4	6.5		6.5	10.8				9	
						5.5	0.1	187	24.7	8.3	8.3	34.5	34.5	94.4	94.4	6.4		6.5	10.7				10	
IM2	Fine	Moderate	13:22	7.4	Surface	1.0	0.1	179	25.3	8.3	8.3	34.2	34.2	100.8	100.8	6.8	6.7	4.6	8	8	819181	806253		
						1.0	0.1	173	25.3	8.3	8.3	34.2	34.2	100.7	100.8	6.8			4.7				9	
					Middle	3.7	0.1	158	24.7	8.3	8.3	34.4	34.4	96.2	96.2	6.6		6.6	8.1				7	
						3.7	0.1	156	24.7	8.3	8.3	34.4	34.4	96.2	96.2	6.6		6.6	8.1				8	
					Bottom	6.4	0.1	173	24.7	8.3	8.3	34.5	34.5	96.6	96.7	6.6		6.6	7.0				8	
						6.4	0.1	166	24.7	8.3	8.3	34.5	34.5	96.7	96.7	6.6		6.6	7.0				7	
IM7	Fine	Moderate	13:05	8.4	Surface	1.0	0.2	75	25.3	8.3	8.3	33.0	33.0	101.2	101.2	6.9	6.8	1.3	8	9	821365	806823		
						1.0	0.2	78	25.3	8.3	8.3	33.0	33.0	101.2	101.2	6.9			1.4				8	
					Middle	4.2	0.1	103	24.8	8.2	8.2	34.1	34.1	96.2	96.2	6.6		6.6	2.9				9	
						4.2	0.1	106	24.8	8.2	8.2	34.1	34.1	96.2	96.2	6.6		6.6	3.0				9	
					Bottom	7.4	0.1	99	24.7	8.2	8.2	34.3	34.3	96.6	96.7	6.6		6.6	9.0				9	
						7.4	0.1	102	24.7	8.2	8.2	34.3	34.3	96.7	96.7	6.6		6.6	8.7				9	

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
IM10	Fine	Moderate	12:30	7.8	Surface	1.0	0.1	62	24.7	24.7	8.3	8.3	30.7	30.7	99.1	99.1	6.9	6.9	1.1	1.1	6	6	822257	809820					
						1.0	0.2	65	24.6	24.6	8.3	8.3	30.8	30.7	99.0	99.1	6.9	6.9	1.1	1.1	7	7							
					Middle	3.9	0.1	64	24.6	24.6	8.3	8.3	30.9	30.9	99.0	99.1	6.9	6.9	2.5	2.5	7	7							
						3.9	0.1	70	24.6	24.6	8.3	8.3	30.9	30.9	99.2	99.1	6.9	6.9	2.4	2.4	6	6							
					Bottom	6.8	0.2	88	24.6	24.6	8.3	8.3	30.9	30.9	99.8	99.9	7.0	7.0	3.1	3.1	7	7							
						6.8	0.2	94	24.6	24.6	8.3	8.3	30.9	30.9	100.0	99.9	7.0	7.0	3.1	3.1	7	7							
IM11	Fine	Moderate	12:39	8.2	Surface	1.0	0.1	92	24.6	24.6	8.3	8.3	31.3	31.3	100.5	100.5	7.0	7.0	1.3	1.3	8	8	821495	810529					
						1.0	0.1	98	24.6	24.6	8.3	8.3	31.3	31.3	100.4	100.5	7.0	7.0	1.3	1.3	9	9							
					Middle	4.1	0.2	67	24.6	24.6	8.3	8.3	31.4	31.4	100.3	100.3	7.0	7.0	2.6	2.6	8	8							
						4.1	0.2	63	24.6	24.6	8.3	8.3	31.4	31.4	100.3	100.3	7.0	7.0	2.5	2.5	7	7							
					Bottom	7.2	0.2	108	24.6	24.6	8.3	8.3	31.5	31.4	100.5	100.6	7.0	7.0	3.5	3.5	7	7							
						7.2	0.1	111	24.6	24.6	8.3	8.3	31.4	31.4	100.7	100.6	7.0	7.0	3.4	3.4	7	7							
IM12	Fine	Moderate	12:43	7.2	Surface	1.0	0.2	82	24.6	24.6	8.3	8.3	31.5	31.5	100.6	100.5	7.0	7.0	1.6	1.6	9	9	821157	811528					
						1.0	0.2	80	24.6	24.6	8.3	8.3	31.5	31.5	100.4	100.5	7.0	7.0	1.6	1.6	8	8							
					Middle	3.6	0.1	82	24.6	24.6	8.3	8.3	31.5	31.5	100.3	100.3	7.0	7.0	2.5	2.5	8	8							
						3.6	0.1	75	24.6	24.6	8.3	8.3	31.5	31.5	100.3	100.3	7.0	7.0	2.6	2.6	8	8							
					Bottom	6.2	0.2	108	24.6	24.6	8.3	8.3	31.5	31.5	100.8	100.9	7.0	7.0	3.7	3.7	7	7							
						6.2	0.2	108	24.6	24.6	8.3	8.3	31.5	31.5	100.9	100.9	7.0	7.0	3.6	3.6	7	7							
SR1A	Fine	Moderate	13:03	4.2	Surface	1.0	0.0	15	24.5	24.5	8.3	8.3	31.6	31.6	100.7	100.7	7.0	7.0	3.2	3.2	7	7	819973	812655					
						1.0	-	15	24.5	24.5	8.3	8.3	31.6	31.6	100.6	100.6	7.0	7.0	3.3	3.3	7	7							
					Middle	2.1	0.0	354	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8	
						2.1	0.1	357	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Bottom	3.2	-	2	24.4	24.5	8.3	8.3	31.6	31.6	100.6	100.6	7.0	7.0	4.5	4.5	8	8							
						3.2	0.0	8	24.5	24.5	8.3	8.3	31.6	31.6	100.6	100.6	7.0	7.0	4.6	4.6	9	9							
SR2	Fine	Moderate	13:15	5.0	Surface	1.0	0.2	45	24.8	24.8	8.3	8.3	31.6	31.6	101.2	101.2	7.0	7.0	2.7	2.7	7	7	821445	814146					
						1.0	0.2	38	24.8	24.8	8.3	8.3	31.6	31.6	101.1	101.2	7.0	7.0	2.8	2.8	6	6							
					Middle	-	0.1	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7	7
						-	0.1	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	4.0	0.2	48	24.8	24.8	8.3	8.3	31.6	31.5	100.9	100.9	7.0	7.0	3.0	3.0	6	6							
						4.0	0.2	42	24.8	24.8	8.3	8.3	31.5	31.5	100.8	100.9	7.0	7.0	3.0	3.0	7	7							
SR3	Fine	Moderate	12:59	8.9	Surface	1.0	0.1	124	25.1	25.1	8.3	8.3	32.6	32.6	100.0	99.9	6.9	6.9	2.3	2.3	8	8	822139	807556					
						1.0	0.1	127	25.1	25.1	8.3	8.3	32.7	32.6	99.8	99.9	6.8	6.8	2.4	2.4	7	7							
					Middle	4.5	0.1	132	25.0	25.0	8.3	8.3	33.2	33.2	98.3	98.3	6.7	6.7	4.1	4.1	6	6							
						4.5	0.1	129	25.0	25.0	8.3	8.3	33.2	33.2	98.2	98.3	6.7	6.7	3.9	3.9	6	6							
					Bottom	7.9	0.1	97	24.9	24.9	8.3	8.3	34.0	34.0	98.3	98.3	6.7	6.7	9.0	9.0	6	6							
						7.9	0.1	94	24.9	24.9	8.3	8.3	34.0	34.0	98.3	98.3	6.7	6.7	9.0	9.0	6	6							
SR4A	Fine	Moderate	13:55	8.8	Surface	1.0	0.1	53	25.2	25.2	8.4	8.4	34.3	34.3	101.7	101.7	6.9	6.9	4.0	4.0	7	7	817171	807833					
						1.0	0.1	58	25.2	25.2	8.4	8.4	34.3	34.3	101.6	101.7	6.9	6.9	4.0	4.0	7	7							
					Middle	4.4	0.0	51	25.1	25.1	8.4	8.4	34.4	34.4	100.9	100.9	6.9	6.9	3.8	3.8	8	8							
						4.4	0.0	54	25.1	25.1	8.4	8.4	34.4	34.4	100.8	100.9	6.8	6.8	3.8	3.8	7	7							
					Bottom	7.8	0.0	37	25.0	25.0	8.4	8.4	34.5	34.5	99.9	99.9	6.8	6.8	4.1	4.1	8	8							
						7.8	0.0	41	25.0	25.0	8.4	8.4	34.5	34.5	99.8	99.9	6.8	6.8	4.1	4.1	8	8							
SR8	Fine	Moderate	12:48	4.6	Surface	1.0	-	-	24.7	24.7	8.3	8.3	31.5	31.5	101.5	101.5	7.1	7.1	3.0	3.0	6	6	820387	811615					
						1.0	-	-	24.7	24.7	8.3	8.3	31.5	31.5	101.5	101.5	7.1	7.1	3.1	3.1	7	7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Bottom	3.6	-	-	24.7	24.7	8.3	8.3	31.5	31.5	101.5	101.6	7.1	7.1	4.1	4.1	7	7							
						3.6	-	-	24.7	24.7	8.3	8.3	31.5	31.5	101.6	101.6	7.1	7.1	4.1	4.1	7	7							

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	08:35	7.8	Surface	1.0	0.5	35	24.7	24.7	8.2	8.2	34.5	34.5	95.3	95.3	6.5	6.5	9.7	10.9	8	8	815603	804265
						1.0	0.5	34	24.7	8.2	8.2	34.5	34.5	95.2	95.3	6.5	6.5	9.9	10.9	8				
					Middle	3.9	0.5	48	24.6	24.6	8.2	8.2	34.9	34.9	93.5	93.5	6.4	6.5	10.2	10.9	8			
						3.9	0.5	43	24.6	24.6	8.2	8.2	34.9	34.9	93.5	93.5	6.4	6.5	10.3	10.9	8			
					Bottom	6.8	0.5	32	24.6	24.6	8.2	8.2	35.0	35.0	95.0	95.1	6.5	6.5	12.8	10.9	8			
						6.8	0.5	38	24.6	24.6	8.2	8.2	35.0	35.0	95.2	95.1	6.5	6.5	12.3	10.9	8			
C2	Fine	Moderate	09:36	11.0	Surface	1.0	0.6	352	25.1	25.1	8.3	8.3	32.9	32.9	99.0	99.0	6.8	6.7	2.6	5.8	5	5	825685	806966
						1.0	0.5	344	25.1	25.1	8.3	8.3	32.9	32.9	98.9	99.0	6.8	6.7	2.7	5.8	5			
					Middle	5.5	0.6	340	25.1	25.1	8.3	8.3	33.2	33.2	97.3	97.3	6.7	6.5	4.3	5.8	5			
						5.5	0.5	344	25.1	25.1	8.3	8.3	33.2	33.2	97.2	97.3	6.6	6.5	4.2	5.8	5			
					Bottom	10.0	0.6	3	24.8	24.8	8.3	8.3	34.0	34.0	94.7	94.7	6.5	6.5	10.4	5.8	5			
						10.0	0.6	357	24.8	24.8	8.3	8.3	34.0	34.0	94.7	94.7	6.5	6.5	10.3	5.8	4			
C3	Fine	Moderate	08:59	9.0	Surface	1.0	0.5	245	24.5	24.5	8.3	8.3	31.4	31.4	97.2	97.2	6.8	6.8	5.1	6.2	9	8	822107	817786
						1.0	0.6	247	24.5	24.5	8.3	8.3	31.4	31.4	97.2	97.2	6.8	6.8	5.1	6.2	8			
					Middle	4.5	0.5	242	24.5	24.5	8.3	8.3	31.4	31.4	97.5	97.6	6.8	6.8	6.5	6.2	8			
						4.5	0.4	244	24.5	24.5	8.3	8.3	31.4	31.4	97.6	97.6	6.8	6.8	6.6	6.2	9			
					Bottom	8.0	0.5	236	24.5	24.5	8.3	8.3	31.4	31.4	97.9	98.0	6.8	6.8	7.0	6.2	8			
						8.0	0.5	238	24.5	24.5	8.3	8.3	31.4	31.4	98.1	98.0	6.8	6.8	7.0	6.2	8			
IM1	Fine	Moderate	08:47	6.8	Surface	1.0	0.3	20	25.0	25.0	8.2	8.2	34.2	34.2	99.0	98.9	6.7	6.7	5.8	9.2	9	8	818340	806454
						1.0	0.3	12	25.0	25.0	8.2	8.2	34.2	34.2	98.7	98.9	6.7	6.7	6.0	9.2	9			
					Middle	3.4	0.3	24	24.8	24.8	8.2	8.2	34.3	34.3	96.0	96.0	6.6	6.6	9.4	9.2	8			
						3.4	0.3	22	24.8	24.8	8.2	8.2	34.3	34.3	96.0	96.0	6.6	6.6	9.5	9.2	7			
					Bottom	5.8	0.3	33	24.7	24.7	8.2	8.2	34.3	34.3	96.0	96.1	6.6	6.6	12.1	9.2	7			
						5.8	0.2	28	24.7	24.7	8.2	8.2	34.3	34.3	96.1	96.1	6.6	6.6	12.4	9.2	6			
IM2	Fine	Moderate	08:53	7.5	Surface	1.0	0.3	26	24.9	24.9	8.2	8.2	34.2	34.2	97.5	97.4	6.7	6.6	6.4	8.9	8	8	819190	806231
						1.0	0.4	32	24.9	24.9	8.2	8.2	34.2	34.2	97.2	97.4	6.6	6.6	6.8	8.9	8			
					Middle	3.8	0.4	6	24.7	24.7	8.2	8.2	34.3	34.3	95.1	95.1	6.5	6.5	10.0	8.9	8			
						3.8	0.3	8	24.7	24.7	8.2	8.2	34.3	34.3	95.1	95.1	6.5	6.5	9.9	8.9	8			
					Bottom	6.5	0.3	16	24.6	24.6	8.2	8.2	34.5	34.5	94.7	94.8	6.5	6.5	10.5	8.9	8			
						6.5	0.3	17	24.6	24.6	8.2	8.2	34.5	34.5	94.9	94.8	6.5	6.5	10.1	8.9	7			
IM7	Fine	Moderate	09:09	8.4	Surface	1.0	0.3	3	25.3	25.3	8.2	8.2	32.3	32.3	101.7	101.7	7.0	6.7	1.3	4.0	11	10	821344	806829
						1.0	0.3	357	25.3	25.3	8.2	8.2	32.3	32.3	101.6	101.7	7.0	6.7	1.3	4.0	11			
					Middle	4.2	0.3	27	24.7	24.7	8.2	8.2	34.2	34.2	94.0	93.9	6.4	6.4	4.5	4.0	11			
						4.2	0.3	22	24.7	24.7	8.2	8.2	34.3	34.2	93.8	93.9	6.4	6.4	4.7	4.0	10			
					Bottom	7.4	0.3	33	24.7	24.7	8.2	8.2	34.5	34.5	93.5	93.6	6.4	6.4	6.1	4.0	8			
						7.4	0.3	37	24.7	24.7	8.2	8.2	34.5	34.5	93.7	93.6	6.4	6.4	6.1	4.0	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 27 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA							
IM10	Fine	Moderate	10:03	8.6	Surface	1.0	0.4	313	24.4	24.4	8.3	8.3	31.6	31.6	95.8	95.9	6.7	6.7	6.6	6.6	8	9	822257	809833					
						1.0	0.4	319	24.4	8.3	8.3	31.6	31.6	95.9	95.9	6.7	6.7	6.8	6.8	9									
					Middle	4.3	0.4	289	24.4	24.4	8.2	8.2	31.6	31.6	96.5	96.7	6.7	6.7	7.2	7.2	7.4				7.4	9			
						4.3	0.4	289	24.4	24.4	8.2	8.2	31.6	31.6	96.9	96.7	6.8	6.8	7.2	7.2	8				8				
					Bottom	7.6	0.4	318	24.2	24.2	8.2	8.2	31.7	31.7	99.0	99.3	6.9	7.0	8.2	8.2	7.0				7.0	9			
						7.6	0.4	318	24.1	24.1	8.2	8.2	31.7	31.7	99.5	99.3	7.0	7.0	8.2	8.2	7.0				7.0	10			
IM11	Fine	Moderate	09:57	8.6	Surface	1.0	0.4	296	24.4	24.4	8.2	8.2	31.4	31.4	98.3	98.6	6.9	7.0	3.7	3.7	8	8	821494	810551					
						1.0	0.4	288	24.4	24.4	8.2	8.2	31.5	31.4	98.8	98.6	6.9	7.0	3.6	3.6	8								
					Middle	4.3	0.4	288	24.2	24.2	8.2	8.2	31.6	31.6	99.5	99.7	7.0	7.0	4.1	4.1	4.4				4.4	9			
						4.3	0.4	291	24.2	24.2	8.2	8.2	31.6	31.6	99.8	99.7	7.0	7.0	4.1	4.1	8				8				
					Bottom	7.6	0.4	298	24.1	24.1	8.2	8.2	31.7	31.7	100.3	100.5	7.0	7.1	5.5	5.5	7.1				7.1	8			
						7.6	0.4	296	24.0	24.0	8.2	8.2	31.7	31.7	100.6	100.5	7.1	7.1	5.6	5.6	7.1				7.1	9			
IM12	Fine	Moderate	09:52	7.4	Surface	1.0	0.4	293	24.4	24.4	8.2	8.2	31.5	31.5	97.9	98.1	6.8	6.9	6.3	6.3	10	11	821184	811507					
						1.0	0.5	285	24.4	24.4	8.2	8.2	31.5	31.5	98.3	98.1	6.9	6.9	6.2	6.2	9								
					Middle	3.7	0.4	273	24.2	24.2	8.2	8.2	31.6	31.6	99.3	99.5	7.0	7.0	7.6	7.6	7.3				7.3	11			
						3.7	0.4	278	24.2	24.2	8.2	8.2	31.6	31.6	99.7	99.5	7.0	7.0	7.7	7.7	7.3				7.3	10			
					Bottom	6.4	0.5	300	24.1	24.1	8.2	8.2	31.7	31.7	100.4	100.6	7.0	7.1	8.1	8.1	7.1				7.1	12			
						6.4	0.5	307	24.1	24.1	8.2	8.2	31.7	31.7	100.7	100.6	7.1	7.1	8.1	8.1	7.1				7.1	13			
SR1A	Fine	Moderate	09:31	4.4	Surface	1.0	0.0	218	24.2	24.2	8.3	8.3	31.6	31.6	97.3	97.4	6.8	6.8	3.1	3.1	9	10	819972	812658					
						1.0	-	215	24.2	24.2	8.3	8.3	31.6	31.6	97.5	97.4	6.8	6.8	3.1	3.1	10								
					Middle	2.2	0.0	230	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.6	3.6	-
						2.2	0.0	226	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.4	0.1	204	24.2	24.2	8.3	8.3	31.6	31.6	98.3	98.6	6.9	6.9	4.0	4.0	6.9				6.9	4.0	4.0	11	
						3.4	-	201	24.2	24.2	8.3	8.3	31.6	31.6	98.8	98.6	6.9	6.9	4.1	4.1	6.9				6.9	4.1	4.1	10	
SR2	Fine	Moderate	09:19	4.8	Surface	1.0	0.1	223	24.5	24.5	8.2	8.2	31.4	31.4	96.3	96.3	6.7	6.7	5.7	5.7	9	10	821457	814165					
						1.0	0.2	217	24.5	24.5	8.2	8.2	31.4	31.4	96.3	96.3	6.7	6.7	5.6	5.6	9								
					Middle	-	0.2	228	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.2	6.2	-
						-	0.2	235	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.8	0.1	202	24.5	24.5	8.2	8.2	31.4	31.4	96.5	96.6	6.7	6.7	6.7	6.7	6.7				6.7	6.7	6.7	10	
						3.8	0.1	196	24.5	24.5	8.2	8.2	31.4	31.4	96.6	96.6	6.7	6.7	6.7	6.7	6.7				6.7	6.7	6.7	10	
SR3	Fine	Moderate	09:17	9.3	Surface	1.0	0.4	353	25.2	25.2	8.2	8.2	32.6	32.6	101.0	101.0	6.9	6.9	1.6	1.6	8	6	822130	807558					
						1.0	0.4	355	25.2	25.2	8.2	8.2	32.6	32.6	100.9	101.0	6.9	6.9	1.7	1.7	7								
					Middle	4.7	0.4	331	24.9	24.9	8.2	8.2	33.5	33.6	97.1	97.0	6.6	6.6	6.5	6.5	7.4				7.4	6			
						4.7	0.4	324	24.9	24.9	8.2	8.2	33.6	33.6	96.9	97.0	6.6	6.6	7.0	7.0	7								
					Bottom	8.3	0.4	331	24.8	24.8	8.2	8.2	34.1	34.1	95.6	95.7	6.5	6.5	13.8	13.8	6.5				6.5	4			
						8.3	0.4	337	24.8	24.8	8.2	8.2	34.1	34.1	95.7	95.7	6.5	6.5	13.7	13.7	6.5				6.5	6			
SR4A	Fine	Moderate	08:17	9.1	Surface	1.0	0.0	205	24.7	24.7	8.4	8.4	34.4	34.4	95.5	95.5	6.5	6.5	10.4	10.4	7	8	817210	807800					
						1.0	0.0	200	24.7	24.7	8.4	8.4	34.4	34.4	95.4	95.5	6.5	6.5	10.8	10.8	7								
					Middle	4.6	0.1	198	24.7	24.7	8.5	8.5	34.5	34.5	95.1	95.1	6.5	6.5	12.5	12.5	11.9				11.9	7			
						4.6	0.0	196	24.7	24.7	8.5	8.5	34.5	34.5	95.1	95.1	6.5	6.5	12.6	12.6	8				8				
					Bottom	8.1	0.1	187	24.7	24.7	8.5	8.5	34.5	34.5	95.2	95.2	6.5	6.5	13.1	13.1	6.5				6.5	8			
						8.1	0.1	189	24.7	24.7	8.5	8.5	34.5	34.5	95.2	95.2	6.5	6.5	12.4	12.4	6.5				6.5	8			
SR8	Fine	Moderate	09:48	4.0	Surface	1.0	-	-	24.3	24.3	8.2	8.2	31.6	31.6	100.1	100.2	7.0	7.0	4.0	4.0	9	9	820379	811634					
						1.0	-	-	24.2	24.2	8.2	8.2	31.6	31.6	100.3	100.2	7.0	7.0	3.9	3.9	9								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4.2	4.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
					Bottom	3.0	-	-	24.1	24.1	8.2	8.2	31.7	31.7	100.9	101.1	7.1	7.1	4.5	4.5	7.1				7.1	4.5	4.5	10	
						3.0	-	-	24.1	24.1	8.2	8.2	31.7	31.7	101.2	101.1	7.1	7.1	4.5	4.5	7.1				7.1	4.5	4.5	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 29 October 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	15:07	8.4	Surface	1.0	0.1	204	<u>24.7</u>	8.3	8.3	31.1	31.1	95.0	94.9	6.6	6.6	4.7	8.2	5	6	815618	804245	
						1.0	0.2	197	24.6	8.3	31.1	94.7	6.6	4.8	6									
					Middle	4.2	0.0	196	24.5	8.3	8.3	31.2	31.2	94.0	93.9	6.6		5.1		5				
						4.2	0.0	195	24.6	8.3	31.2	93.7	6.5	5.8	6									
					Bottom	7.4	0.1	198	24.5	8.3	8.3	31.3	31.3	93.6	94.1	6.5		6.6		15.3				6
						7.4	0.1	202	24.4	8.3	31.3	94.6	6.6	13.3	6									
C2	Fine	Moderate	14:00	9.0	Surface	1.0	0.2	351	24.9	24.9	8.8	8.8	30.6	30.6	94.8	94.8	6.6	6.6	7.2	7.6	6	825691	806955	
						1.0	0.3	344	24.9	8.8	30.6	94.7	6.6	7.4	6									
					Middle	4.5	0.1	345	24.9	8.8	8.8	30.7	30.7	94.5	94.5	6.6	7.5		6					
						4.5	0.2	349	24.9	8.8	30.7	94.5	6.6	7.6	6									
					Bottom	8.0	0.2	344	24.9	8.7	8.7	30.8	30.8	94.3	94.2	6.6	6.6		8.0		8			
						8.0	0.2	350	24.9	8.7	30.8	94.1	6.5	7.9	8									
C3	Fine	Moderate	15:10	11.0	Surface	1.0	0.2	78	25.3	25.3	8.2	8.2	34.4	34.4	95.8	95.8	6.5	6.5	1.3	4.4	6	822105	817786	
						1.0	0.2	84	25.3	8.2	34.4	95.8	6.5	1.2	7									
					Middle	5.5	0.1	76	25.2	8.2	8.2	34.4	34.4	93.8	93.8	6.4	1.9		6					
						5.5	0.2	80	25.2	8.2	34.4	93.8	6.4	2.0	7									
					Bottom	10.0	0.1	75	25.2	8.2	8.2	34.3	34.3	94.2	94.3	6.4	6.4		10.1		6			
						10.0	0.1	73	25.3	8.2	34.2	94.3	6.4	10.1	6									
IM1	Fine	Moderate	14:55	6.6	Surface	1.0	0.0	126	24.7	24.7	8.3	8.3	31.1	31.1	95.4	95.6	6.6	6.7	6.5	7.1	6	818339	806455	
						1.0	0.0	118	24.7	8.3	31.2	95.7	6.7	6.7	7									
					Middle	3.3	0.0	116	24.6	8.3	8.3	31.2	31.2	96.5	96.7	6.7	6.9		8					
						3.3	-	108	24.6	8.3	31.3	96.9	6.8	7.2	7									
					Bottom	5.6	0.0	144	24.4	8.3	8.3	31.4	31.4	97.8	98.0	6.8	6.9		7.8		8			
						5.6	0.0	143	24.4	8.3	31.5	98.1	6.9	7.7	8									
IM2	Fine	Moderate	14:47	7.2	Surface	1.0	0.0	46	24.7	24.7	8.3	8.3	31.3	31.4	97.5	97.6	6.8	6.8	5.2	5.4	8	819200	806212	
						1.0	0.1	45	24.7	8.3	31.4	97.6	6.8	5.0	9									
					Middle	3.6	0.1	34	24.6	8.3	8.3	31.5	31.5	97.4	97.4	6.8	4.7		8					
						3.6	0.1	31	24.6	8.4	31.5	97.3	6.8	4.9	10									
					Bottom	6.2	0.1	67	24.6	8.4	8.4	31.5	31.5	97.2	97.3	6.8	6.8		6.0		12			
						6.2	0.1	71	24.6	8.4	31.5	97.3	6.8	6.4	12									
IM7	Fine	Moderate	14:25	7.6	Surface	1.0	0.2	59	24.9	24.9	8.3	8.3	30.4	30.5	97.1	97.1	6.8	6.8	4.2	5.2	5	821329	806825	
						1.0	0.2	58	24.8	8.3	30.6	97.1	6.8	4.5	4									
					Middle	3.8	0.1	74	24.8	8.3	8.3	30.7	30.8	97.0	97.0	6.8	6.8		5.0		5			
						3.8	0.1	68	24.8	8.3	30.8	97.0	6.8	5.4	4									
					Bottom	6.6	0.1	71	24.7	8.3	8.3	31.0	30.9	97.5	97.7	6.8	6.8		6.0		5			
						6.6	0.1	73	24.8	8.3	30.9	97.9	6.8	5.8	6									

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Fine	Moderate	14:00	8.0	Surface	1.0	0.0	327	25.4	25.4	8.3	8.3	32.1	32.2	99.5	99.5	6.8	6.8	2.7	2.8	7	8	822243	809840				
						1.0	0.1	332	25.4		8.3		32.2		99.4		6.8		2.7		7							
					Middle	4.0	0.0	338	25.4	8.3	8.3	32.8	32.8	98.6	98.6	6.7	6.7	2.8	7									
						4.0	0.1	343	25.4	8.3	32.8	32.8	98.5	98.5	6.7	6.7	2.8	8										
					Bottom	7.0	0.1	355	25.1	8.3	8.3	33.5	33.5	97.1	97.3	6.6	6.6	3.1	8									
						7.0	0.0	358	25.1	8.3	33.5	33.5	97.4	97.4	6.6	6.6	3.1	9										
IM11	Fine	Moderate	14:08	8.5	Surface	1.0	0.0	322	25.1	25.1	8.3	8.3	33.6	33.6	97.6	97.6	6.7	6.7	3.8	4.2	7	7	821495	810537				
						1.0	0.0	328	25.1		8.3		33.6		33.6		97.5		97.5		6.7				6.7	4.0	6	
					Middle	4.3	0.1	350	25.1	8.3	8.3	33.6	33.6	97.2	97.2	6.6	6.6	4.5	6									
						4.3	0.1	352	25.1	8.3	33.6	33.6	97.2	97.2	6.6	6.6	4.5	7										
					Bottom	7.5	0.0	356	25.1	8.3	8.3	33.6	33.6	97.0	97.0	6.6	6.6	4.3	8									
						7.5	0.0	0	25.1	8.3	33.6	33.6	97.0	97.0	6.6	6.6	4.3	7										
IM12	Fine	Moderate	14:13	8.8	Surface	1.0	0.1	319	25.3	25.3	8.3	8.3	33.7	33.7	98.9	98.9	6.7	6.7	3.2	7.5	6	6	821157	811497				
						1.0	0.0	325	25.2		8.3		33.7		33.7		98.8		98.8		6.7				6.7	3.4	6	
					Middle	4.4	0.0	311	25.1	8.3	8.3	33.7	33.7	97.7	97.7	6.7	6.7	6.5	6									
						4.4	0.0	312	25.1	8.3	33.7	33.7	97.6	97.6	6.6	6.6	6.8	6										
					Bottom	7.8	0.0	335	25.1	8.3	8.2	33.6	33.6	97.1	97.1	6.6	6.6	12.1	7									
						7.8	0.1	331	25.1	8.2	8.2	33.6	33.6	97.1	97.1	6.6	6.6	13.3	7									
SR1A	Fine	Moderate	14:39	5.4	Surface	1.0	0.0	36	25.4	25.4	8.3	8.3	33.7	33.7	101.6	101.6	6.9	6.9	1.8	1.9	6	7	819979	812655				
						1.0	0.0	37	25.4		8.3		33.7		33.7		101.5		101.5		6.9				6.9	1.8	5	
					Middle	2.7	0.0	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.7	0.1	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.4	0.0	41	25.2	8.3	8.3	33.8	33.8	100.0	100.0	6.8	6.8	2.0	7									
						4.4	-	36	25.2	8.3	8.3	33.8	33.8	100.0	100.0	6.8	6.8	2.0	8									
SR2	Fine	Moderate	14:52	5.0	Surface	1.0	0.1	54	25.3	25.3	8.3	8.3	33.7	33.7	99.9	99.9	6.8	6.8	2.7	3.2	7	7	821443	814181				
						1.0	0.1	59	25.3		8.3		33.7		33.7		99.5		99.5		6.8				6.8	2.8	6	
					Middle	-	0.1	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	0.1	49	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.0	0.1	32	25.1	8.2	8.2	33.7	33.7	98.2	98.2	6.7	6.7	3.7	8									
						4.0	0.1	36	25.1	8.2	8.2	33.7	33.7	98.2	98.2	6.7	6.7	3.7	7									
SR3	Fine	Moderate	14:19	8.6	Surface	1.0	0.2	33	24.9	24.9	8.6	8.6	30.0	30.0	96.9	96.8	6.8	6.8	4.7	8.3	3	4	822161	807570				
						1.0	0.2	27	24.9		8.6		30.0		30.0		96.7		96.8		6.8				6.8	4.8	3	
					Middle	4.3	0.1	32	24.9	8.6	8.6	30.1	30.1	96.5	96.5	6.7	6.7	6.2	3									
						4.3	0.0	31	24.9	8.6	30.1	30.1	96.4	96.4	6.7	6.7	10.7	3										
					Bottom	7.6	0.1	31	25.3	8.6	8.6	29.9	29.9	96.2	96.2	6.7	6.7	11.7	5									
						7.6	0.1	26	25.4	8.6	8.6	29.8	29.8	96.2	96.2	6.7	6.7	11.9	6									
SR4A	Fine	Moderate	15:21	8.8	Surface	1.0	0.0	94	24.8	24.8	8.3	8.3	31.1	31.1	96.8	96.9	6.7	6.8	6.9	7.1	8	8	817165	807802				
						1.0	0.1	94	24.8		8.3		31.1		31.1		96.9		96.9		6.7				6.8	7.0	9	
					Middle	4.4	0.0	64	24.8	8.3	8.3	31.2	31.2	97.1	97.2	6.8	6.8	7.2	8									
						4.4	0.0	66	24.8	8.3	31.2	31.2	97.2	97.2	6.8	6.8	7.2	8										
					Bottom	7.8	0.0	70	24.7	8.3	8.3	31.2	31.2	97.7	97.9	6.8	6.8	7.3	8									
						7.8	0.0	71	24.7	8.3	31.2	31.2	98.1	98.1	6.8	6.8	7.2	8										
SR8	Fine	Moderate	14:17	5.7	Surface	1.0	-	-	25.3	25.3	8.3	8.3	33.6	33.6	100.3	100.3	6.8	6.8	2.5	4.5	5	6	820399	811600				
						1.0	-	-	25.3		8.3		33.6		33.6		100.2		100.2		6.8				6.8	2.6	6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	4.7	-	-	25.0	25.1	8.2	8.2	33.6	33.6	97.7	97.8	6.7	6.7	6.4	7								
						4.7	-	-	25.1	25.1	8.2	8.2	33.6	33.6	97.8	97.8	6.7	6.7	6.6	7								

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	10:45	8.4	Surface	1.0	0.4	24	24.5	24.5	8.4	8.4	31.0	31.0	95.1	95.1	6.7	6.6	6.8	6.8	9	8	815596	804236
						1.0	0.4	29	24.5	8.4	8.4	31.0	31.0	95.0	95.0	6.6	6.6	6.8	6.8	10	8			
					Middle	4.2	0.4	49	24.4	8.4	8.4	31.3	31.4	94.5	94.6	6.6	6.6	7.7	7.7	9	8			
						4.2	0.4	52	24.4	8.4	8.4	31.4	31.4	94.6	94.9	6.6	6.7	7.7	8.0	7	7			
					Bottom	7.4	0.4	41	24.3	8.4	8.4	31.4	31.4	94.9	95.0	6.6	6.7	8.0	8.0	7	7			
						7.4	0.4	43	24.3	8.4	8.4	31.4	31.4	95.1	95.0	6.7	6.7	8.0	8.0	7	7			
C2	Fine	Moderate	12:02	9.4	Surface	1.0	0.4	358	24.7	24.7	8.2	8.2	29.8	29.8	96.2	96.4	6.7	6.8	6.6	6.6	6	5	825665	806946
						1.0	0.4	355	24.7	8.2	8.2	29.9	29.9	96.6	96.6	6.8	6.8	6.6	6.6	7	5			
					Middle	4.7	0.4	353	24.7	8.2	8.2	29.9	29.9	97.1	97.2	6.8	6.8	7.7	7.8	5	5			
						4.7	0.4	350	24.7	8.2	8.2	30.0	30.0	97.3	97.2	6.8	6.8	7.8	8.1	5	5			
					Bottom	8.4	0.4	5	24.7	8.2	8.2	30.1	30.0	98.2	98.7	6.9	6.9	8.1	8.1	5	4			
						8.4	0.3	358	24.7	8.2	8.2	30.0	30.0	99.1	98.7	6.9	6.9	8.1	8.1	4	4			
C3	Fine	Moderate	08:41	12.5	Surface	1.0	0.4	259	25.1	25.1	8.1	8.1	33.7	33.7	95.9	95.9	6.5	6.5	3.0	3.0	9	7	822092	817783
						1.0	0.4	262	25.1	8.1	8.1	33.7	33.7	95.8	95.8	6.5	6.5	3.0	3.0	8	7			
					Middle	6.3	0.4	270	25.1	8.1	8.1	33.8	33.8	94.7	94.7	6.5	6.4	3.7	3.8	7	6			
						6.3	0.4	271	25.1	8.1	8.1	33.8	33.8	94.7	94.7	6.4	6.4	3.8	3.8	6	6			
					Bottom	11.5	0.4	252	25.1	8.1	8.1	33.9	33.9	93.1	93.1	6.3	6.3	5.5	5.5	6	6			
						11.5	0.4	247	25.1	8.1	8.1	33.9	33.9	93.1	93.1	6.3	6.3	5.7	5.7	6	6			
IM1	Fine	Moderate	11:02	6.2	Surface	1.0	0.3	16	24.5	24.5	8.3	8.3	31.1	31.1	92.7	92.7	6.5	6.5	4.3	4.3	12	12	818365	806459
						1.0	0.3	22	24.4	8.3	8.3	31.1	31.1	92.7	92.7	6.5	6.5	4.3	4.3	12	12			
					Middle	3.1	0.3	34	24.4	8.3	8.3	31.1	31.1	93.0	93.1	6.5	6.5	5.6	5.5	12	12			
						3.1	0.3	33	24.4	8.3	8.3	31.1	31.1	93.1	93.1	6.5	6.5	5.5	5.5	12	12			
					Bottom	5.2	0.3	33	24.4	8.3	8.3	31.1	31.1	93.4	93.5	6.5	6.6	6.9	6.9	11	11			
						5.2	0.3	35	24.4	8.3	8.3	31.1	31.1	93.6	93.5	6.6	6.6	6.9	6.9	11	11			
IM2	Fine	Moderate	11:10	7.0	Surface	1.0	0.3	18	24.5	24.5	8.2	8.2	31.1	31.1	94.1	94.1	6.6	6.6	7.4	7.5	9	9	819172	806217
						1.0	0.3	18	24.5	8.2	8.2	31.1	31.1	94.1	94.1	6.6	6.6	7.5	8.0	10	9			
					Middle	3.5	0.3	17	24.4	8.2	8.2	31.2	31.2	94.6	94.9	6.6	6.7	8.0	8.1	9	10			
						3.5	0.4	14	24.4	8.3	8.3	31.2	31.2	95.2	95.2	6.7	6.7	8.1	8.1	10	9			
					Bottom	6.0	0.3	3	24.4	8.3	8.3	31.2	31.2	96.7	97.0	6.8	6.8	9.8	9.8	9	9			
						6.0	0.3	2	24.5	8.3	8.3	31.1	31.2	97.2	97.2	6.8	6.8	9.8	9.8	9	9			
IM7	Fine	Moderate	11:31	8.2	Surface	1.0	0.3	20	24.8	24.8	8.3	8.3	29.8	29.8	97.0	97.1	6.8	6.8	1.6	1.5	6	5	821364	806842
						1.0	0.3	20	24.7	8.3	8.3	29.9	29.9	97.2	97.2	6.8	6.8	1.5	2.4	7	5			
					Middle	4.1	0.2	9	24.7	8.3	8.3	30.0	30.1	97.3	97.4	6.8	6.8	2.4	2.4	5	5			
						4.1	0.2	8	24.7	8.3	8.3	30.1	30.1	97.4	97.4	6.8	6.8	2.4	2.4	5	5			
					Bottom	7.2	0.2	345	24.6	8.3	8.3	30.4	30.3	98.2	98.5	6.9	6.9	3.6	3.6	4	4			
						7.2	0.2	351	24.6	8.3	8.3	30.3	30.3	98.7	98.7	6.9	6.9	3.6	3.6	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 29 October 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Fine	Moderate	09:58	7.8	Surface	1.0	0.4	273	25.0	25.0	8.2	8.2	33.7	33.7	97.3	97.3	6.6	6.6	4.9	6.6	7	7	822258	809822				
						1.0	0.4	271	25.0	8.2	8.2	33.7	33.7	97.2	97.3	6.6	6.6	5.2	6.6	6	7							
					Middle	3.9	0.4	280	25.0	25.0	8.2	8.2	33.7	33.7	96.6	96.6	6.6	6.6	8.7	6.6	7	6			7	7		
						3.9	0.4	284	25.0	25.0	8.2	8.2	33.7	33.7	96.6	96.6	6.6	6.6	9.2	6.6	6	7			7			
					Bottom	6.8	0.4	263	25.0	25.0	8.2	8.2	33.7	33.7	96.5	96.5	6.6	6.6	11.8	6.6	6.6	6.6			7	7	7	
						6.8	0.5	262	25.0	25.0	8.2	8.2	33.7	33.7	96.5	96.5	6.6	6.6	11.4	6.6	6.6	6.6			7	7	7	
IM11	Fine	Moderate	09:52	8.0	Surface	1.0	0.4	278	25.0	25.0	8.2	8.2	33.7	33.7	95.7	95.7	6.5	6.5	5.3	6.5	7	7	821514	810546				
						1.0	0.4	280	25.0	25.0	8.2	8.2	33.7	33.7	95.7	95.7	6.5	6.5	5.1	6.5	8	7						
					Middle	4.0	0.5	286	25.0	25.0	8.2	8.2	33.7	33.7	95.7	95.7	6.5	6.5	5.2	6.5	7	6			7	7		
						4.0	0.4	288	25.0	25.0	8.2	8.2	33.7	33.7	95.7	95.7	6.5	6.5	5.3	6.5	7	6			7	7		
					Bottom	7.0	0.4	301	24.9	24.9	8.2	8.2	33.7	33.7	95.9	96.0	6.6	6.6	9.1	6.6	6.6	6.6			6	6	6	
						7.0	0.4	297	24.9	24.9	8.2	8.2	33.7	33.7	96.0	96.0	6.6	6.6	9.3	6.6	6.6	6.6			6	6	6	
IM12	Fine	Moderate	09:45	8.7	Surface	1.0	0.5	283	25.0	25.0	8.2	8.2	33.7	33.7	94.3	94.3	6.4	6.4	6.0	6.4	5	6	821148	811538				
						1.0	0.5	279	25.0	25.0	8.2	8.2	33.7	33.7	94.3	94.3	6.4	6.4	6.0	6.4	6	6						
					Middle	4.4	0.5	295	24.9	24.9	8.2	8.2	33.7	33.7	94.2	94.2	6.4	6.4	8.3	6.4	6.4	6.4			7	6	6	
						4.4	0.5	290	24.9	24.9	8.2	8.2	33.7	33.7	94.2	94.2	6.4	6.4	8.3	6.4	6.4	6.4			6	6	6	
					Bottom	7.7	0.5	281	24.9	24.9	8.2	8.2	33.7	33.7	94.2	94.3	6.4	6.4	11.3	6.4	6.4	6.4			7	6	6	
						7.7	0.5	275	24.9	24.9	8.2	8.2	33.7	33.7	94.3	94.3	6.4	6.4	10.8	6.4	6.4	6.4			6	6	6	
SR1A	Fine	Moderate	09:15	5.9	Surface	1.0	-	200	25.0	25.0	8.2	8.2	33.7	33.7	95.8	95.8	6.5	6.5	10.3	6.5	9	8	819982	812657				
						1.0	0.1	192	25.0	25.0	8.2	8.2	33.7	33.7	95.8	95.8	6.5	6.5	10.4	6.5	6.5	6.5			8	8		
					Middle	3.0	0.0	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	8
						3.0	0.0	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	8
					Bottom	4.9	0.1	190	25.0	25.0	8.2	8.2	33.7	33.7	95.7	95.7	6.5	6.5	11.9	6.5	6.5	6.5			7	6	6	
						4.9	0.0	186	25.0	25.0	8.2	8.2	33.7	33.7	95.7	95.7	6.5	6.5	12.1	6.5	6.5	6.5			8	6	6	
SR2	Fine	Moderate	09:00	4.3	Surface	1.0	0.1	231	25.0	25.0	8.2	8.2	33.5	33.5	95.1	95.1	6.5	6.5	7.9	6.5	8	9	821454	814167				
						1.0	0.1	232	25.0	25.0	8.2	8.2	33.5	33.5	95.1	95.1	6.5	6.5	8.0	6.5	6.5	6.5			9	9		
					Middle	-	0.1	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	9
						-	0.1	231	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	9
					Bottom	3.3	0.1	252	25.0	25.0	8.2	8.2	33.5	33.5	95.6	95.7	6.5	6.5	9.8	6.5	6.5	6.5			10	9	9	
						3.3	0.1	258	25.0	25.0	8.2	8.2	33.5	33.5	95.7	95.7	6.5	6.5	10.0	6.5	6.5	6.5			9	9	9	
SR3	Fine	Moderate	11:41	7.6	Surface	1.0	0.3	350	24.7	24.7	8.2	8.2	29.6	29.7	96.3	96.3	6.8	6.8	5.6	6.8	4	4	822145	807583				
						1.0	0.3	354	24.6	24.6	8.2	8.2	29.7	29.7	96.3	96.3	6.8	6.8	5.6	6.8	4	4						
					Middle	3.8	0.3	359	24.6	24.6	8.2	8.2	29.8	29.8	96.5	96.7	6.8	6.8	6.6	6.8	6.6	6.8			4	5		
						3.8	0.3	354	24.6	24.6	8.2	8.2	29.8	29.8	96.8	96.7	6.8	6.8	6.5	6.8	6.5	6.8			5	5		
					Bottom	6.6	0.3	331	24.6	24.6	8.2	8.2	29.9	29.9	97.7	97.7	6.9	6.9	7.9	6.9	6.9	6.9			5	6		
						6.6	0.4	329	24.6	24.6	8.2	8.2	29.9	29.9	98.5	98.1	6.9	6.9	7.8	6.9	6.9	6.9			6	6		
SR4A	Fine	Moderate	10:26	9.0	Surface	1.0	0.0	205	24.5	24.5	9.1	9.1	31.1	31.1	93.3	93.3	6.5	6.5	5.5	6.5	9	10	817188	807823				
						1.0	0.0	212	24.5	24.5	9.1	9.1	31.1	31.1	93.2	93.5	6.5	6.5	5.6	6.5	9	10						
					Middle	4.5	0.0	205	24.5	24.5	9.1	9.1	31.2	31.2	93.4	93.5	6.5	6.5	6.1	6.5	6.1	6.5			10	11		
						4.5	0.1	211	24.5	24.5	9.1	9.1	31.2	31.2	93.5	93.5	6.5	6.5	6.1	6.5	6.1	6.5			11	11		
					Bottom	8.0	0.0	192	24.5	24.5	9.1	9.0	31.2	31.2	93.7	93.7	6.5	6.5	7.4	6.5	6.5	6.5			11	12		
						8.0	0.0	194	24.5	24.5	9.0	9.0	31.2	31.2	93.7	93.7	6.5	6.5	7.4	6.5	6.5	6.5			12	12		
SR8	Fine	Moderate	09:41	5.2	Surface	1.0	-	-	25.0	25.1	8.2	8.2	33.2	33.2	96.2	96.2	6.6	6.6	3.7	6.6	7	7	820368	811618				
						1.0	-	-	25.1	25.1	8.2	8.2	33.2	33.2	96.2	96.2	6.6	6.6	3.7	6.6	7	7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
					Bottom	4.2	-	-	24.9	24.9	8.2	8.2	33.6	33.6	95.1	95.1	6.5	6.5	11.0	6.5	6.5	6.5			8	7		
						4.2	-	-	24.9	24.9	8.2	8.2	33.6	33.6	95.1	95.1	6.5	6.5	12.1	6.5	6.5	6.5			7	7		

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

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-22	SWL	1	1.000	SUMMER	32166	3RS ET	P
02-Aug-22	SWL	2	49.360	SUMMER	32166	3RS ET	P
02-Aug-22	SWL	1	0.900	SUMMER	32166	3RS ET	S
02-Aug-22	SWL	2	13.830	SUMMER	32166	3RS ET	S
03-Aug-22	SWL	2	37.908	SUMMER	32166	3RS ET	P
03-Aug-22	SWL	3	16.069	SUMMER	32166	3RS ET	P
03-Aug-22	SWL	2	13.392	SUMMER	32166	3RS ET	S
03-Aug-22	SWL	3	2.121	SUMMER	32166	3RS ET	S
05-Aug-22	NEL	2	32.840	SUMMER	32166	3RS ET	P
05-Aug-22	NEL	3	4.400	SUMMER	32166	3RS ET	P
05-Aug-22	NEL	2	9.760	SUMMER	32166	3RS ET	S
11-Aug-22	NEL	2	25.380	SUMMER	32166	3RS ET	P
11-Aug-22	NEL	3	11.030	SUMMER	32166	3RS ET	P
11-Aug-22	NEL	2	5.090	SUMMER	32166	3RS ET	S
11-Aug-22	NEL	3	5.300	SUMMER	32166	3RS ET	S
12-Aug-22	NWL	2	59.600	SUMMER	32166	3RS ET	P
12-Aug-22	NWL	3	4.100	SUMMER	32166	3RS ET	P
12-Aug-22	NWL	2	12.200	SUMMER	32166	3RS ET	S
16-Aug-22	NWL	1	2.500	SUMMER	32166	3RS ET	P
16-Aug-22	NWL	2	61.700	SUMMER	32166	3RS ET	P
16-Aug-22	NWL	1	1.000	SUMMER	32166	3RS ET	S
16-Aug-22	NWL	2	10.600	SUMMER	32166	3RS ET	S
22-Aug-22	AW	2	4.640	SUMMER	32166	3RS ET	P
22-Aug-22	WL	2	14.811	SUMMER	32166	3RS ET	P
22-Aug-22	WL	3	3.683	SUMMER	32166	3RS ET	P
22-Aug-22	WL	2	9.049	SUMMER	32166	3RS ET	S
22-Aug-22	WL	3	0.380	SUMMER	32166	3RS ET	S
23-Aug-22	WL	2	15.132	SUMMER	32166	3RS ET	P
23-Aug-22	WL	3	2.753	SUMMER	32166	3RS ET	P
23-Aug-22	WL	2	8.498	SUMMER	32166	3RS ET	S
23-Aug-22	WL	3	1.397	SUMMER	32166	3RS ET	S
23-Aug-22	AW	2	4.810	SUMMER	32166	3RS ET	P
05-Sep-22	NWL	2	4.260	AUTUMN	32166	3RS ET	P
05-Sep-22	NWL	3	59.410	AUTUMN	32166	3RS ET	P
05-Sep-22	NWL	3	11.830	AUTUMN	32166	3RS ET	S
06-Sep-22	SWL	2	32.266	AUTUMN	32166	3RS ET	P
06-Sep-22	SWL	3	14.290	AUTUMN	32166	3RS ET	P
06-Sep-22	SWL	4	4.930	AUTUMN	32166	3RS ET	P
06-Sep-22	SWL	2	9.989	AUTUMN	32166	3RS ET	S
06-Sep-22	SWL	3	3.100	AUTUMN	32166	3RS ET	S
06-Sep-22	SWL	4	1.060	AUTUMN	32166	3RS ET	S
08-Sep-22	NEL	2	37.420	AUTUMN	32166	3RS ET	P
08-Sep-22	NEL	2	9.580	AUTUMN	32166	3RS ET	S
09-Sep-22	NWL	2	60.720	AUTUMN	32166	3RS ET	P
09-Sep-22	NWL	2	12.700	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
14-Sep-22	SWL	2	39.365	AUTUMN	32166	3RS ET	P
14-Sep-22	SWL	3	14.270	AUTUMN	32166	3RS ET	P
14-Sep-22	SWL	2	8.365	AUTUMN	32166	3RS ET	S
14-Sep-22	SWL	3	7.270	AUTUMN	32166	3RS ET	S
19-Sep-22	AW	2	4.810	AUTUMN	32166	3RS ET	P
19-Sep-22	WL	2	15.142	AUTUMN	32166	3RS ET	P
19-Sep-22	WL	3	4.527	AUTUMN	32166	3RS ET	P
19-Sep-22	WL	2	7.648	AUTUMN	32166	3RS ET	S
19-Sep-22	WL	3	1.973	AUTUMN	32166	3RS ET	S
20-Sep-22	AW	3	4.890	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	2	9.992	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	3	7.720	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	4	2.060	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	2	7.128	AUTUMN	32166	3RS ET	S
20-Sep-22	WL	3	3.000	AUTUMN	32166	3RS ET	S
20-Sep-22	WL	4	1.100	AUTUMN	32166	3RS ET	S
21-Sep-22	NEL	2	1.300	AUTUMN	32166	3RS ET	P
21-Sep-22	NEL	3	29.290	AUTUMN	32166	3RS ET	P
21-Sep-22	NEL	4	7.080	AUTUMN	32166	3RS ET	P
21-Sep-22	NEL	3	8.100	AUTUMN	32166	3RS ET	S
21-Sep-22	NEL	4	0.930	AUTUMN	32166	3RS ET	S
03-Oct-22	AW	2	4.950	AUTUMN	32166	3RS ET	P
03-Oct-22	WL	2	13.331	AUTUMN	32166	3RS ET	P
03-Oct-22	WL	3	6.143	AUTUMN	32166	3RS ET	P
03-Oct-22	WL	2	6.235	AUTUMN	32166	3RS ET	S
03-Oct-22	WL	3	2.682	AUTUMN	32166	3RS ET	S
07-Oct-22	NEL	2	7.950	AUTUMN	32166	3RS ET	P
07-Oct-22	NEL	3	28.710	AUTUMN	32166	3RS ET	P
07-Oct-22	NEL	2	5.340	AUTUMN	32166	3RS ET	S
07-Oct-22	NEL	3	5.400	AUTUMN	32166	3RS ET	S
11-Oct-22	NWL	3	51.620	AUTUMN	32166	3RS ET	P
11-Oct-22	NWL	4	12.480	AUTUMN	32166	3RS ET	P
11-Oct-22	NWL	3	11.700	AUTUMN	32166	3RS ET	S
17-Oct-22	NEL	2	3.700	AUTUMN	32166	3RS ET	P
17-Oct-22	NEL	3	29.010	AUTUMN	32166	3RS ET	P
17-Oct-22	NEL	4	4.400	AUTUMN	32166	3RS ET	P
17-Oct-22	NEL	2	2.000	AUTUMN	32166	3RS ET	S
17-Oct-22	NEL	3	5.990	AUTUMN	32166	3RS ET	S
17-Oct-22	NEL	4	1.900	AUTUMN	32166	3RS ET	S
19-Oct-22	NWL	2	3.000	AUTUMN	32166	3RS ET	P
19-Oct-22	NWL	3	55.820	AUTUMN	32166	3RS ET	P
19-Oct-22	NWL	4	4.880	AUTUMN	32166	3RS ET	P
19-Oct-22	NWL	2	1.900	AUTUMN	32166	3RS ET	S
19-Oct-22	NWL	3	9.600	AUTUMN	32166	3RS ET	S
20-Oct-22	WL	2	2.923	AUTUMN	32166	3RS ET	P
20-Oct-22	WL	3	17.160	AUTUMN	32166	3RS ET	P
20-Oct-22	WL	2	2.614	AUTUMN	32166	3RS ET	S
20-Oct-22	WL	3	7.390	AUTUMN	32166	3RS ET	S
20-Oct-22	AW	3	4.870	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
24-Oct-22	SWL	4	39.360	AUTUMN	32166	3RS ET	P
24-Oct-22	SWL	5	14.879	AUTUMN	32166	3RS ET	P
24-Oct-22	SWL	3	1.400	AUTUMN	32166	3RS ET	S
24-Oct-22	SWL	4	6.610	AUTUMN	32166	3RS ET	S
24-Oct-22	SWL	5	6.751	AUTUMN	32166	3RS ET	S
27-Oct-22	SWL	3	41.851	AUTUMN	32166	3RS ET	P
27-Oct-22	SWL	4	11.520	AUTUMN	32166	3RS ET	P
27-Oct-22	SWL	3	13.879	AUTUMN	32166	3RS ET	S
27-Oct-22	SWL	4	2.000	AUTUMN	32166	3RS ET	S

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-22	1	1432	CWD	2	SWL	2	59	ON	3RS ET	22.1841	113.8680	SUMMER	NONE	P
02-Aug-22	2	1507	CWD	15	SWL	2	80	ON	3RS ET	22.1795	113.8497	SUMMER	PURSE SEINER	P
03-Aug-22	1	1311	FP	1	SWL	3	61	ON	3RS ET	22.1528	113.8974	SUMMER	NONE	P
03-Aug-22	2	1433	CWD	4	SWL	2	194	ON	3RS ET	22.1988	113.8683	SUMMER	NONE	P
03-Aug-22	3	1522	CWD	1	SWL	2	21	ON	3RS ET	22.1893	113.8493	SUMMER	NONE	P
22-Aug-22	1	1039	CWD	1	WL	2	42	ON	3RS ET	22.2615	113.8551	SUMMER	NONE	S
22-Aug-22	2	1125	CWD	3	WL	2	345	ON	3RS ET	22.2418	113.8320	SUMMER	NONE	P
22-Aug-22	3	1136	CWD	1	WL	2	10	ON	3RS ET	22.2418	113.8295	SUMMER	NONE	P
22-Aug-22	4	1212	CWD	4	WL	2	19	ON	3RS ET	22.2144	113.8309	SUMMER	NONE	P
22-Aug-22	5	1246	CWD	3	WL	2	313	ON	3RS ET	22.2007	113.8245	SUMMER	NONE	S
22-Aug-22	6	1312	CWD	1	WL	3	11	ON	3RS ET	22.1869	113.8327	SUMMER	NONE	P
23-Aug-22	1	1118	CWD	3	WL	2	98	ON	3RS ET	22.2326	113.8360	SUMMER	NONE	P
23-Aug-22	2	1141	CWD	8	WL	2	416	ON	3RS ET	22.2226	113.8353	SUMMER	NONE	P
23-Aug-22	3	1206	CWD	1	WL	2	40	ON	3RS ET	22.2141	113.8262	SUMMER	NONE	P
23-Aug-22	4	1226	CWD	1	WL	2	1368	ON	3RS ET	22.2059	113.8236	SUMMER	NONE	P
23-Aug-22	5	1242	CWD	9	WL	2	363	ON	3RS ET	22.1956	113.8350	SUMMER	NONE	P
23-Aug-22	6	1317	CWD	9	WL	3	251	ON	3RS ET	22.1873	113.8356	SUMMER	NONE	P
06-Sep-22	1	1028	FP	3	SWL	2	143	ON	3RS ET	22.2171	113.9358	AUTUMN	NONE	P
06-Sep-22	2	1036	FP	2	SWL	2	275	ON	3RS ET	22.2029	113.9361	AUTUMN	NONE	P
06-Sep-22	3	1039	FP	5	SWL	2	370	ON	3RS ET	22.1981	113.9363	AUTUMN	NONE	P
06-Sep-22	4	1046	FP	14	SWL	2	235	ON	3RS ET	22.1842	113.9364	AUTUMN	NONE	P
06-Sep-22	5	1048	FP	5	SWL	2	157	ON	3RS ET	22.1828	113.9364	AUTUMN	NONE	P
06-Sep-22	6	1056	FP	1	SWL	2	147	ON	3RS ET	22.1686	113.9358	AUTUMN	NONE	P
06-Sep-22	7	1100	FP	2	SWL	2	137	ON	3RS ET	22.1624	113.9360	AUTUMN	NONE	P
06-Sep-22	8	1103	FP	3	SWL	2	22	ON	3RS ET	22.1594	113.9357	AUTUMN	NONE	P
06-Sep-22	9	1120	CWD	2	SWL	2	113	ON	3RS ET	22.1563	113.9275	AUTUMN	NONE	P
06-Sep-22	10	1135	FP	9	SWL	2	32	ON	3RS ET	22.1707	113.9277	AUTUMN	NONE	P
06-Sep-22	11	1137	FP	12	SWL	2	551	ON	3RS ET	22.1725	113.9287	AUTUMN	NONE	P
06-Sep-22	12	1158	CWD	4	SWL	2	1022	ON	3RS ET	22.2000	113.9173	AUTUMN	NONE	P
06-Sep-22	13	1225	FP	1	SWL	2	72	ON	3RS ET	22.1715	113.9190	AUTUMN	NONE	P
06-Sep-22	14	1248	FP	3	SWL	2	127	ON	3RS ET	22.1508	113.9081	AUTUMN	NONE	P
06-Sep-22	15	1309	CWD	6	SWL	2	741	ON	3RS ET	22.1637	113.9039	AUTUMN	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
06-Sep-22	16	1431	CWD	1	SWL	2	114	ON	3RS ET	22.1980	113.8879	AUTUMN	NONE	P
09-Sep-22	1	0952	CWD	1	NWL	2	569	ON	3RS ET	22.3771	113.8701	AUTUMN	NONE	P
09-Sep-22	2	1205	CWD	2	NWL	2	1048	ON	3RS ET	22.3862	113.8881	AUTUMN	NONE	P
14-Sep-22	1	1056	FP	5	SWL	2	270	ON	3RS ET	22.1846	113.9354	AUTUMN	NONE	P
14-Sep-22	2	1110	FP	2	SWL	2	179	ON	3RS ET	22.1548	113.9356	AUTUMN	NONE	P
14-Sep-22	3	1126	FP	1	SWL	2	125	ON	3RS ET	22.1641	113.9281	AUTUMN	NONE	P
14-Sep-22	4	1152	FP	2	SWL	2	111	ON	3RS ET	22.1946	113.9177	AUTUMN	NONE	P
14-Sep-22	5	1227	FP	3	SWL	3	5	ON	3RS ET	22.1541	113.9063	AUTUMN	NONE	P
19-Sep-22	1	1043	CWD	4	WL	2	233	ON	3RS ET	22.2606	113.8419	AUTUMN	NONE	P
19-Sep-22	2	1157	CWD	5	WL	3	386	ON	3RS ET	22.2045	113.8357	AUTUMN	NONE	P
19-Sep-22	3	1230	CWD	5	WL	3	308	ON	3RS ET	22.1957	113.8343	AUTUMN	NONE	P
20-Sep-22	1	1054	CWD	2	WL	2	505	ON	3RS ET	22.2502	113.8471	AUTUMN	NONE	P
03-Oct-22	1	1052	CWD	1	WL	2	1260	ON	3RS ET	22.2556	113.8359	AUTUMN	NONE	S
03-Oct-22	2	1114	CWD	2	WL	2	1016	ON	3RS ET	22.2418	113.8335	AUTUMN	NONE	P
03-Oct-22	3	1125	CWD	3	WL	2	91	ON	3RS ET	22.2374	113.8260	AUTUMN	NONE	S
03-Oct-22	4	1130	CWD	5	WL	2	497	ON	3RS ET	22.2356	113.8262	AUTUMN	NONE	S
03-Oct-22	5	1210	CWD	3	WL	3	16	ON	3RS ET	22.2214	113.8202	AUTUMN	NONE	S
03-Oct-22	6	1236	CWD	6	WL	2	838	ON	3RS ET	22.2058	113.8297	AUTUMN	NONE	P
03-Oct-22	7	1300	CWD	4	WL	3	98	ON	3RS ET	22.2036	113.8226	AUTUMN	NONE	S
03-Oct-22	8	1323	CWD	2	WL	3	450	ON	3RS ET	22.1879	113.8359	AUTUMN	NONE	P
20-Oct-22	1	1054	CWD	2	WL	3	210	ON	3RS ET	22.2417	113.8383	AUTUMN	NONE	P
20-Oct-22	2	1124	CWD	5	WL	3	411	ON	3RS ET	22.2326	113.8370	AUTUMN	NONE	P
20-Oct-22	3	1200	CWD	3	WL	2	266	ON	3RS ET	22.2263	113.8373	AUTUMN	NONE	S
24-Oct-22	1	1150	FP	1	SWL	5	172	ON	3RS ET	22.1787	113.9215	AUTUMN	NONE	S
27-Oct-22	1	1151	FP	2	SWL	3	137	ON	3RS ET	22.1780	113.9211	AUTUMN	NONE	S
27-Oct-22	2	1210	FP	1	SWL	3	427	ON	3RS ET	22.1428	113.9146	AUTUMN	NONE	S
27-Oct-22	3	1403	CWD	1	SWL	3	7	ON	3RS ET	22.1909	113.8781	AUTUMN	NONE	P

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 347.168 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 12 on-effort sightings and total number of 37 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in October 2022 are shown as below:

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

$$STG = \frac{12}{347.168} \times 100 = 3.46$$

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

$$ANI = \frac{37}{347.168} \times 100 = 10.66$$

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

A total of 1223.656 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 38 on-effort sightings and total number of 135 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)









$$STG = \frac{38}{1223.656} \times 100 = 3.11$$

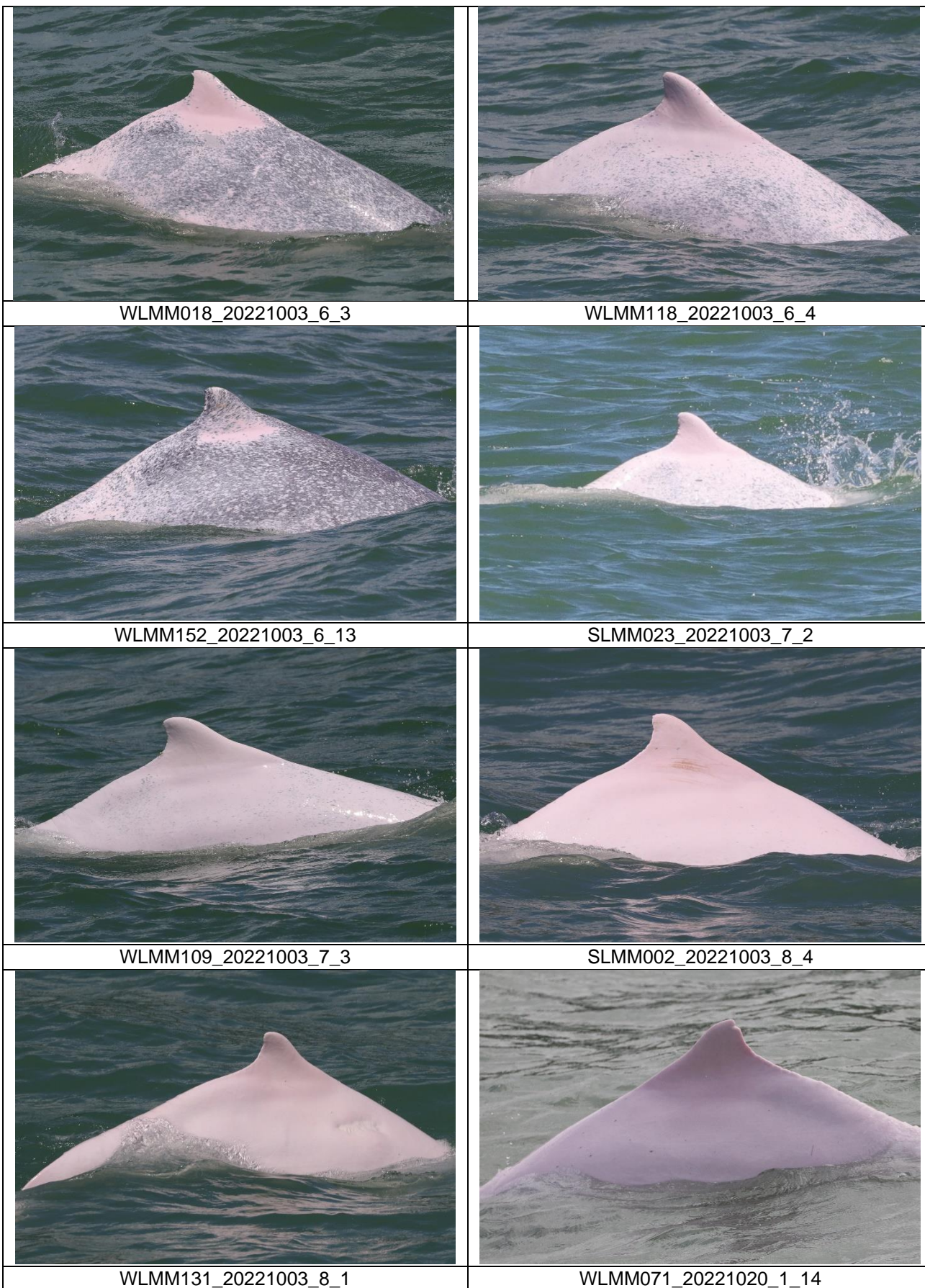
Running Quarterly Encounter Rate by Number of Dolphins (ANI)







$$ANI = \frac{135}{1223.656} \times 100 = 11.03$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM058_20221003_3_13	WLMM052_20221003_4_1_Left
	
WLMM176_20221003_4_1_Right	SLMM007_20221003_5_8
	
WLMM152_20221003_5_4	SLMM025_20221003_6_3
	
SLMM052_20221003_6_3	WLMM007_20221003_6_10



	
WLMM168_20221020_1_3_Right	WLMM001_20221020_2_2
	
WLMM114_20221020_2_1	SLMM002_20221020_3_3
	
SLMM037_20221020_3_9	SLMM014_20221027_3_3

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

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
17/Oct/22	Lung Kwu Chau	9:01	15:01	6:00	3	3	0	NA
27/Oct/22	Sha Chau	10:41	16:41	6:00	2	3	0	NA

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