

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

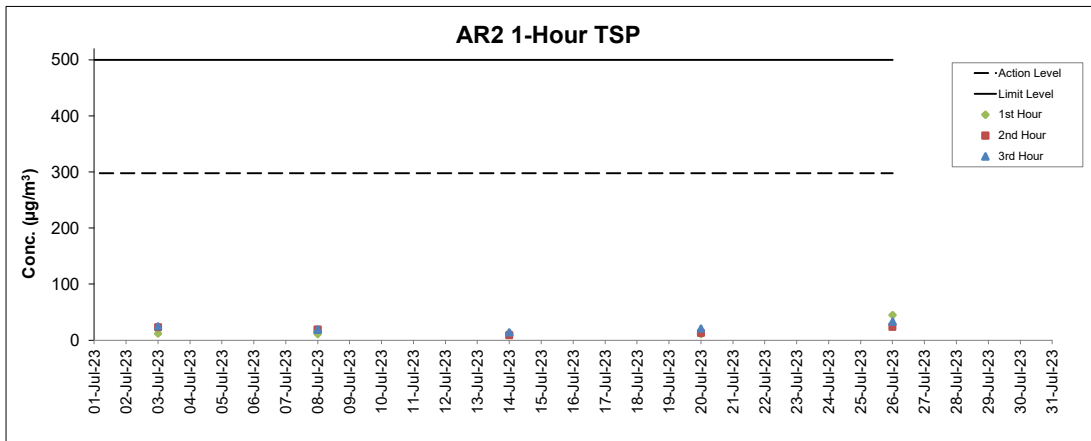
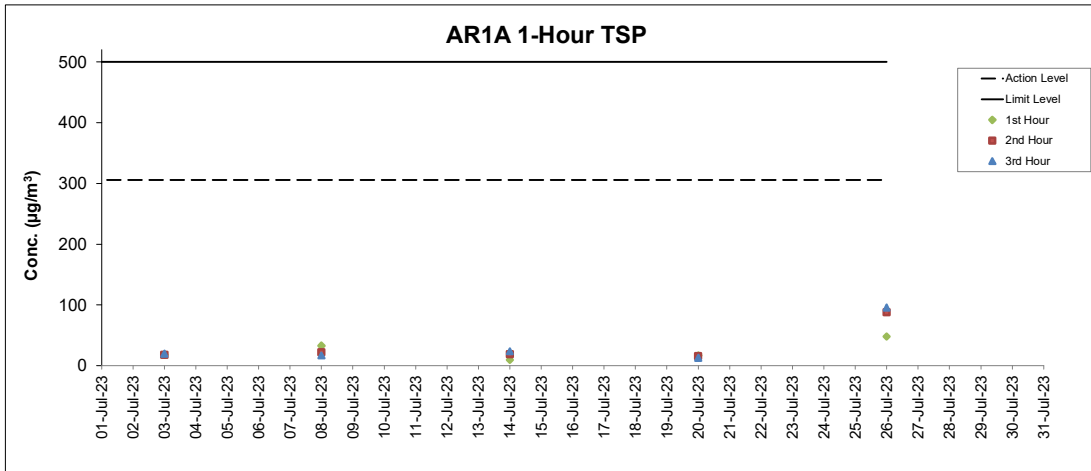
Station: AR1A- Man Tung Road Park

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-Jul-23	9:06	Cloudy	4.2	146	18	306	500
3-Jul-23	10:06	Cloudy	4.2	141	18	306	500
3-Jul-23	11:06	Cloudy	4.4	191	20	306	500
8-Jul-23	8:15	Sunny	2.5	212	33	306	500
8-Jul-23	9:15	Sunny	4.2	240	22	306	500
8-Jul-23	10:15	Sunny	5.0	243	17	306	500
14-Jul-23	8:22	Cloudy	2.2	283	10	306	500
14-Jul-23	9:22	Cloudy	2.8	262	19	306	500
14-Jul-23	10:22	Cloudy	3.3	290	24	306	500
20-Jul-23	8:16	Sunny	3.1	59	17	306	500
20-Jul-23	9:16	Sunny	4.2	117	16	306	500
20-Jul-23	10:16	Sunny	3.1	157	13	306	500
26-Jul-23	9:20	Sunny	3.3	Variable	48	306	500
26-Jul-23	10:20	Sunny	3.3	277	88	306	500
26-Jul-23	11:20	Sunny	4.2	258	96	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-Jul-23	15:01	Cloudy	4.7	150	12	298	500
3-Jul-23	16:01	Cloudy	5.3	189	23	298	500
3-Jul-23	17:01	Cloudy	5.3	208	25	298	500
8-Jul-23	14:31	Sunny	6.1	220	11	298	500
8-Jul-23	15:31	Sunny	7.5	225	19	298	500
8-Jul-23	16:31	Sunny	7.5	228	19	298	500
14-Jul-23	12:18	Cloudy	3.9	259	13	298	500
14-Jul-23	13:18	Cloudy	3.3	262	9	298	500
14-Jul-23	14:18	Cloudy	3.9	270	14	298	500
20-Jul-23	12:36	Sunny	3.3	277	11	298	500
20-Jul-23	13:36	Sunny	3.1	319	13	298	500
20-Jul-23	14:36	Sunny	3.1	313	21	298	500
26-Jul-23	13:49	Sunny	4.2	306	45	298	500
26-Jul-23	14:49	Sunny	4.2	304	24	298	500
26-Jul-23	15:49	Sunny	4.4	307	33	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	Measured	L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
3-Jul-23	Cloudy	9:28	63.5	60.1	65
3-Jul-23	Cloudy	9:33	63.8	60.1	
3-Jul-23	Cloudy	9:38	63.8	60.4	
3-Jul-23	Cloudy	9:43	63.7	60.6	
3-Jul-23	Cloudy	9:48	63.0	60.4	
3-Jul-23	Cloudy	9:53	63.7	60.6	
14-Jul-23	Cloudy	9:33	62.5	59.5	65
14-Jul-23	Cloudy	9:38	64.3	60.9	
14-Jul-23	Cloudy	9:43	63.3	60.4	
14-Jul-23	Cloudy	9:48	63.3	60.2	
14-Jul-23	Cloudy	9:53	63.5	60.0	
14-Jul-23	Cloudy	9:58	63.4	60.4	
20-Jul-23	Sunny	9:22	62.0	59.1	64
20-Jul-23	Sunny	9:27	62.1	59.1	
20-Jul-23	Sunny	9:32	62.1	58.4	
20-Jul-23	Sunny	9:37	62.9	59.3	
20-Jul-23	Sunny	9:42	62.4	58.8	
20-Jul-23	Sunny	9:47	66.1	59.4	
26-Jul-23	Sunny	9:17	73.2	62.0	71
26-Jul-23	Sunny	9:22	71.1	64.9	
26-Jul-23	Sunny	9:27	72.4	63.8	
26-Jul-23	Sunny	9:32	72.8	59.3	
26-Jul-23	Sunny	9:37	69.6	56.4	
26-Jul-23	Sunny	9:42	68.8	56.2	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured	Measured	L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
7-Jul-23	Sunny	13:17	61.2	56.9	63
7-Jul-23	Sunny	13:22	62.2	57.2	
7-Jul-23	Sunny	13:27	61.4	57.8	
7-Jul-23	Sunny	13:32	63.0	58.0	
7-Jul-23	Sunny	13:37	60.1	57.7	
7-Jul-23	Sunny	13:42	61.5	57.8	
13-Jul-23	Sunny	14:04	61.2	58.1	64
13-Jul-23	Sunny	14:09	61.8	58.4	
13-Jul-23	Sunny	14:14	61.2	58.3	
13-Jul-23	Sunny	14:19	60.1	58.0	
13-Jul-23	Sunny	14:24	69.1	57.8	
13-Jul-23	Sunny	14:29	60.5	57.4	
21-Jul-23	Sunny	13:46	67.3	58.0	65
21-Jul-23	Sunny	13:51	63.9	56.3	
21-Jul-23	Sunny	13:56	64.5	53.3	
21-Jul-23	Sunny	14:01	63.8	55.5	
21-Jul-23	Sunny	14:06	63.6	56.1	
21-Jul-23	Sunny	14:11	65.3	56.7	
28-Jul-23	Sunny	14:30	61.7	58.9	62
28-Jul-23	Sunny	14:35	59.8	57.3	
28-Jul-23	Sunny	14:40	60.4	56.3	
28-Jul-23	Sunny	14:45	61.8	56.6	
28-Jul-23	Sunny	14:50	61.1	56.0	
28-Jul-23	Sunny	14:55	61.6	55.7	

Remarks:

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

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
3-Jul-23	Cloudy	13:55	64.0	61.3	65*
3-Jul-23	Cloudy	14:00	64.5	61.5	
3-Jul-23	Cloudy	14:05	64.0	61.4	
3-Jul-23	Cloudy	14:10	63.9	60.9	
3-Jul-23	Cloudy	14:15	64.0	60.7	
3-Jul-23	Cloudy	14:20	63.6	60.9	
14-Jul-23	Cloudy	12:53	64.1	60.9	66*
14-Jul-23	Cloudy	12:58	64.7	61.0	
14-Jul-23	Cloudy	13:03	64.0	60.8	
14-Jul-23	Cloudy	13:08	66.8	60.8	
14-Jul-23	Cloudy	13:13	64.5	60.7	
14-Jul-23	Cloudy	13:18	64.1	61.1	
20-Jul-23	Sunny	11:23	65.1	61.4	65*
20-Jul-23	Sunny	11:28	64.0	61.1	
20-Jul-23	Sunny	11:33	64.0	60.3	
20-Jul-23	Sunny	11:38	64.3	60.7	
20-Jul-23	Sunny	11:43	63.0	60.1	
20-Jul-23	Sunny	11:48	64.6	60.7	
26-Jul-23	Sunny	12:48	64.7	62.1	66*
26-Jul-23	Sunny	12:53	65.3	62.5	
26-Jul-23	Sunny	12:58	65.1	62.2	
26-Jul-23	Sunny	13:03	65.0	62.1	
26-Jul-23	Sunny	13:08	64.6	62.7	
26-Jul-23	Sunny	13:13	65.1	62.9	

Remarks:

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

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

Noise Measurement Results

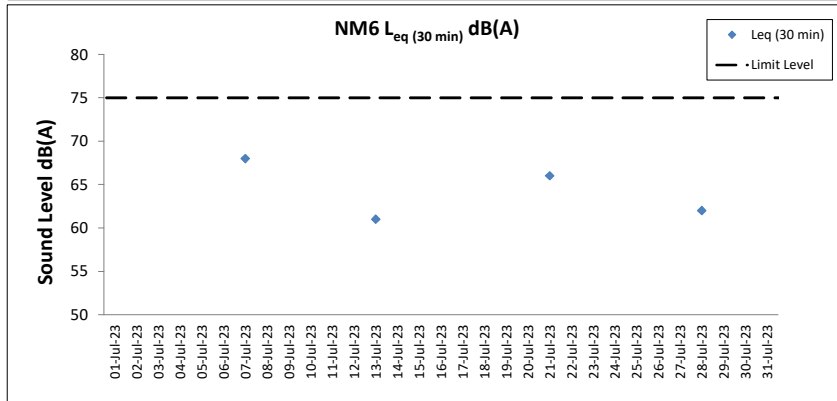
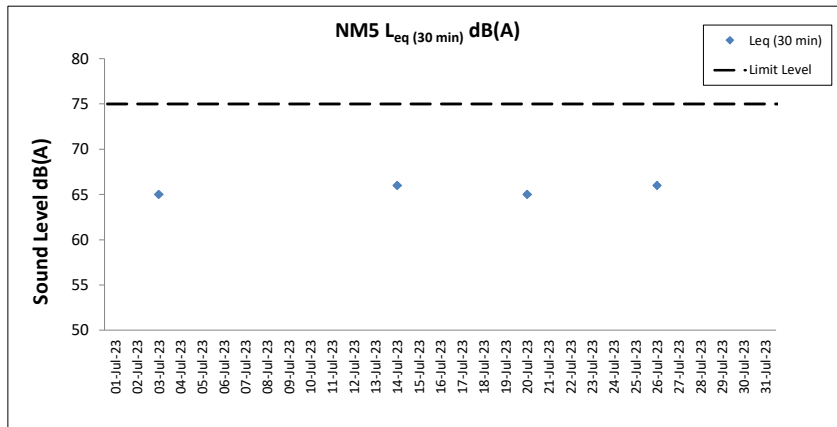
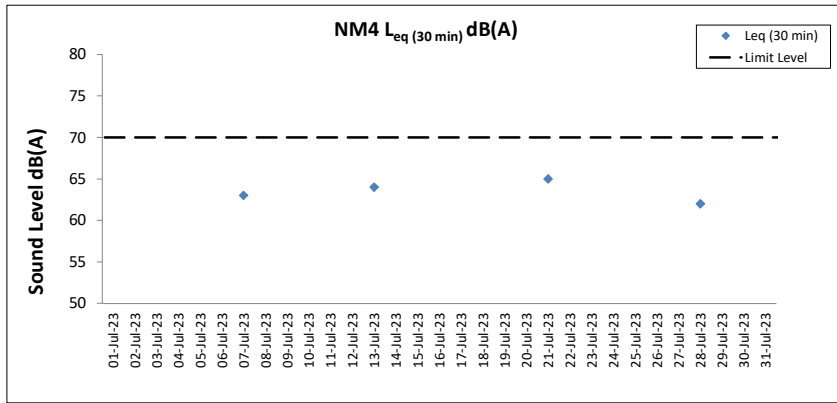
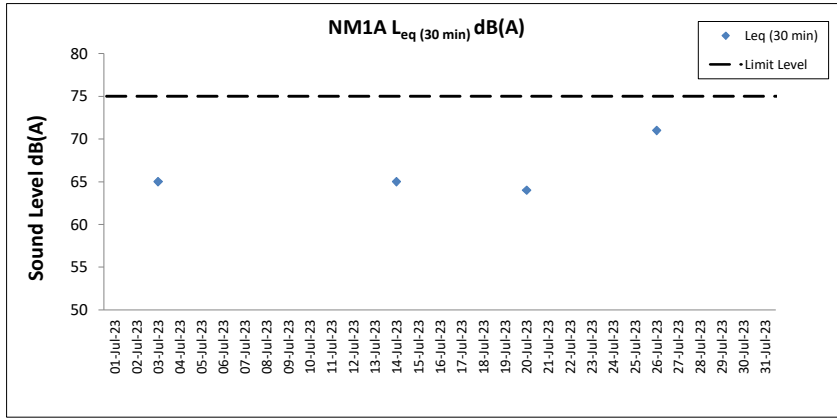
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
7-Jul-23	Sunny	15:41	60.1	52.7	68
7-Jul-23	Sunny	15:46	60.2	51.0	
7-Jul-23	Sunny	15:51	56.0	49.3	
7-Jul-23	Sunny	15:56	66.4	55.8	
7-Jul-23	Sunny	16:01	72.5	61.1	
7-Jul-23	Sunny	16:06	67.6	53.8	
13-Jul-23	Sunny	15:41	61.7	49.6	61
13-Jul-23	Sunny	15:46	54.1	47.3	
13-Jul-23	Sunny	15:51	51.9	46.3	
13-Jul-23	Sunny	15:56	60.1	46.2	
13-Jul-23	Sunny	16:01	58.2	45.1	
13-Jul-23	Sunny	16:06	64.8	48.0	
21-Jul-23	Sunny	15:45	65.0	48.8	66*
21-Jul-23	Sunny	15:50	58.0	48.4	
21-Jul-23	Sunny	15:55	74.2	47.7	
21-Jul-23	Sunny	16:00	67.7	48.6	
21-Jul-23	Sunny	16:05	68.5	47.3	
21-Jul-23	Sunny	16:10	61.0	45.5	
28-Jul-23	Sunny	15:40	70.7	45.3	62*
28-Jul-23	Sunny	15:45	71.1	46.4	
28-Jul-23	Sunny	15:50	54.7	45.8	
28-Jul-23	Sunny	15:55	55.6	45.6	
28-Jul-23	Sunny	16:00	71.2	45.0	
28-Jul-23	Sunny	16:05	62.7	45.7	

Remarks:

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

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



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 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	10:14	8.2	Surface	1.0	0.4	216	<u>28.8</u>	28.8	8.2	8.2	14.0	14.0	<u>87.8</u>	87.6	6.3	5.6	3.8	5.1	6	5	815600	804231
						1.0	0.4	216	28.8		8.2	8.2	14.0	14.0	87.4	87.6	6.2		3.8		6			
					Middle	4.1	0.4	208	<u>28.0</u>	28.0	8.0	8.0	17.8	17.8	69.1	69.1	4.9		5.2		4			
						4.1	0.4	209	27.9		8.0	8.0	17.8	17.8	69.1	69.1	4.9		5.3		4			
					Bottom	7.2	0.4	184	<u>26.9</u>	26.9	7.9	7.9	22.4	22.4	52.1	52.1	3.7		6.1		4			
						7.2	0.3	184	26.9		7.9	7.9	22.4	22.4	52.1	52.1	3.7		6.1		4			
C2	Rainy	Rough	11:40	10.1	Surface	1.0	0.8	174	<u>28.0</u>	28.0	8.0	8.0	15.2	15.2	79.0	79.0	5.7	4.7	3.3	4.3	5	5	825693	806930
						1.0	0.9	168	28.0		8.0	8.0	15.3	15.2	78.9	79.0	5.7		3.3		4			
					Middle	5.1	0.9	187	<u>26.8</u>	26.8	8.0	8.0	22.2	22.2	51.7	51.6	3.7		3.1		4			
						5.1	0.9	186	26.7		8.0	8.0	22.2	22.2	51.5	51.6	3.6		3.1		4			
					Bottom	9.1	0.9	159	<u>25.5</u>	25.5	7.9	7.9	28.3	28.3	37.3	37.5	2.6		6.5		5			
						9.1	0.9	160	25.5		7.9	7.9	28.3	28.3	37.7	37.5	2.6		6.5		6			
C3	Misty	Moderate	11:04	10.4	Surface	1.0	0.4	67	<u>24.8</u>	24.8	8.0	8.0	19.3	19.4	91.9	91.8	6.8	6.3	2.0	2.7	5	5	822116	817783
						1.0	0.5	66	24.7		8.0	8.0	19.4	19.4	91.6	91.8	6.8		2.0		5			
					Middle	5.2	0.5	72	<u>23.7</u>	23.7	7.9	7.9	24.4	24.4	77.0	76.9	5.7		2.5		5			
						5.2	0.5	77	23.7		7.9	7.9	24.4	24.4	76.8	76.9	5.7		2.6		5			
					Bottom	9.4	0.5	48	<u>22.9</u>	22.9	7.9	7.9	27.8	27.8	66.6	66.8	4.9		3.5		5			
						9.4	0.5	41	22.9		7.9	7.9	27.7	27.8	66.9	66.8	4.9		3.4		5			
IM1	Rainy	Moderate	10:32	7.3	Surface	1.0	0.3	173	<u>28.5</u>	28.5	8.1	8.1	14.8	14.6	88.4	88.5	6.3	5.9	2.4	4.2	4	4	818350	806447
						1.0	0.3	176	28.5		8.1	8.1	14.5	14.6	88.6	88.5	6.4		2.4		4			
					Middle	3.7	0.3	200	<u>28.0</u>	28.0	8.0	8.0	16.7	16.7	76.8	76.8	5.5		4.3		4			
						3.7	0.3	197	28.0		8.0	8.0	16.7	16.7	76.7	76.8	5.5		4.4		4			
					Bottom	6.3	0.3	167	<u>27.1</u>	27.1	8.0	8.0	20.3	20.3	62.6	62.5	4.4		5.7		5			
						6.3	0.2	166	27.1		8.0	8.0	20.3	20.3	62.4	62.5	4.4		5.7		4			
IM2	Rainy	Moderate	10:43	7.5	Surface	1.0	0.3	184	<u>28.5</u>	28.5	8.1	8.1	14.1	14.1	89.0	89.1	6.4	6.1	2.2	2.3	5	4	819184	806250
						1.0	0.3	183	28.5		8.1	8.1	14.1	14.1	89.1	89.1	6.4		2.2		4			
					Middle	3.8	0.4	207	<u>28.1</u>	28.1	8.1	8.1	16.2	16.2	79.4	79.4	5.7		2.4		5			
						3.8	0.4	208	28.1		8.1	8.1	16.3	16.2	79.3	79.4	5.7		2.4		4			
					Bottom	6.5	0.4	183	<u>26.7</u>	26.7	8.0	8.0	20.9	21.3	57.9	57.9	4.1		2.2		4			
						6.5	0.3	175	26.6		8.0	8.0	21.7	21.3	57.9	57.9	4.1		2.2		4			
IM7	Rainy	Moderate	11:08	8.3	Surface	1.0	0.3	181	<u>27.9</u>	27.9	7.9	7.9	16.1	16.1	76.2	76.2	5.5	5.2	2.4	4.2	4	4	821334	806823
						1.0	0.3	183	27.9		7.9	7.9	16.1	16.1	76.2	76.2	5.5		2.5		5			
					Middle	4.2	0.3	163	<u>27.5</u>	27.5	7.9	7.9	18.4	18.4	67.5	67.5	4.8		3.4		3			
						4.2	0.4	156	27.5		7.9	7.9	18.4	18.4	67.5	67.5	4.8		3.4		4			
					Bottom	7.3	0.3	204	<u>25.4</u>	25.4	7.9	7.9	28.5	28.5	53.7	53.7	3.8		6.6		4			
						7.3	0.3	197	25.4		7.9	7.9	28.5	28.5	53.7	53.7	3.8		6.6		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 01 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	13:00	10.0	Surface	1.0	0.7	121	25.4	25.4	8.0	8.0	15.1	15.1	85.1	84.9	6.4	5.3	4.9	6.2	5	5	822221	809844
						1.0	0.6	126	25.4		8.0	8.0	15.1	15.1	84.6	84.9	6.4							
					Middle	5.0	0.6	116	23.9	23.9	7.9	7.9	24.1	24.1	55.4	55.3	4.1	4.2	4.9	4.2	5			
						5.0	0.6	116	23.9		7.9	7.9	24.1	24.1	55.2	55.3	4.1		6.9					
					Bottom	9.0	0.7	153	23.4	23.4	7.9	7.9	26.5	26.5	55.4	55.4	4.2	4.5	7.0	4.5	5			
						9.0	0.7	147	23.4		7.9	7.9	26.5	26.5	55.3	55.4	4.2		7.0					
IM11	Misty	Moderate	12:50	7.2	Surface	1.0	0.7	97	25.7	25.7	8.1	8.1	13.2	13.2	100.5	100.4	7.6	6.3	5.3	6.2	5	4	821514	810560
						1.0	0.7	94	25.7		8.1	8.1	13.2	13.2	100.3	100.4	7.6							
					Middle	3.6	0.6	96	24.6	24.6	7.9	7.9	21.2	21.2	67.1	67.2	5.0	4.5	6.1	4.5	4			
						3.6	0.6	93	24.6		7.9	7.9	21.2	21.2	67.2	67.2	5.0		6.1					
					Bottom	6.2	0.7	109	23.7	23.7	7.9	7.9	25.1	25.2	60.7	60.9	4.5	4.5	7.2	4.5	3			
						6.2	0.7	104	23.7		7.9	7.9	25.2	25.2	61.0	60.9	4.5		7.2					
IM12	Misty	Moderate	12:07	8.8	Surface	1.0	0.8	110	25.5	25.5	8.1	8.1	13.6	13.6	97.1	96.9	7.4	6.2	3.5	4.6	3	5	821164	811537
						1.0	0.8	107	25.5		8.1	8.1	13.6	13.6	96.7	96.9	7.3							
					Middle	4.4	0.8	96	24.6	24.6	7.9	7.9	20.6	20.6	67.2	67.3	5.0	4.5	4.6	4.5	4			
						4.4	0.8	93	24.6		7.9	7.9	20.6	20.6	67.3	67.3	5.0		4.6					
					Bottom	7.8	0.8	110	23.9	23.9	7.8	7.8	24.5	24.5	61.6	61.8	4.5	4.5	5.7	4.5	6			
						7.8	0.8	109	23.9		7.8	7.8	24.5	24.5	61.9	61.8	4.5		5.6					
SR1A	Misty	Moderate	11:36	5.4	Surface	1.0	0.1	135	25.7	25.7	8.1	8.1	14.5	14.5	102.1	102.1	7.7	7.7	1.7	2.2	5	4	819973	812655
						1.0	0.0	140	25.6		8.1	8.1	14.5	14.5	102.0	102.1	7.7							
					Middle	2.7	0.0	126	-	-	-	-	-	-	-	-	-	7.0	-	7.0	-			
						2.7	0.1	121	-		-	-	-	-	-	-	-							
					Bottom	4.4	0.0	129	25.4	25.4	8.0	8.0	16.7	16.7	93.7	93.7	7.0	4.5	2.7	4.5	4			
						4.4	0.1	121	25.4		8.0	8.0	16.8	16.7	93.6	93.7	7.0		2.7					
SR2	Misty	Moderate	11:19	4.4	Surface	1.0	0.7	60	25.7	25.7	8.1	8.1	12.2	12.2	102.2	102.2	7.8	7.8	1.9	2.4	5	5	821440	814182
						1.0	0.7	58	25.7		8.1	8.1	12.2	12.2	102.1	102.2	7.8							
					Middle	-	0.7	47	-	-	-	-	-	-	-	-	-	6.9	-	6.9	-			
						-	0.6	54	-		-	-	-	-	-	-	-							
					Bottom	3.4	0.7	25	25.5	25.5	8.0	8.0	15.3	15.3	91.8	91.7	6.9	4.5	2.9	4.5	5			
						3.4	0.6	20	25.5		8.0	8.0	15.3	15.3	91.6	91.7	6.9		3.0					
SR3	Rainy	Moderate	11:16	9.2	Surface	1.0	0.6	173	28.1	28.2	8.0	8.0	14.4	14.4	83.9	83.9	6.1	5.7	2.8	3.1	4	4	822168	807573
						1.0	0.6	166	28.2		8.0	8.0	14.4	14.4	83.8	83.9	6.0							
					Middle	4.6	0.6	173	27.9	27.9	8.0	8.0	16.4	16.4	74.4	74.4	5.3	4.6	2.8	4.6	4			
						4.6	0.7	165	27.9		8.0	8.0	16.4	16.4	74.4	74.4	5.3		3.1					
					Bottom	8.2	0.7	139	27.4	27.4	7.9	7.9	19.1	19.1	65.1	65.1	4.6	4.8	3.3	4.8	4			
						8.2	0.7	141	27.4		7.9	7.9	19.2	19.1	65.0	65.1	4.6		3.3					
SR4A	Rainy	Moderate	09:56	10.7	Surface	1.0	0.0	86	28.3	28.3	8.0	8.0	16.5	16.5	73.7	73.7	5.2	5.1	5.7	4.8	5	4	817166	807824
						1.0	0.0	80	28.3		8.0	8.0	16.5	16.5	73.7	73.7	5.2							
					Middle	5.4	0.0	98	26.1	26.1	7.9	7.9	26.3	26.3	70.4	70.4	5.0	4.8	4.8	4.8	4			
						5.4	0.0	100	26.0		7.9	7.9	26.3	26.3	70.4	70.4	5.0		4.8					
					Bottom	9.7	0.1	111	25.5	25.5	7.9	7.9	28.4	28.4	67.2	67.2	4.8	4.8	3.8	4.8	4			
						9.7	0.1	110	25.5		7.9	7.9	28.5	28.4	67.2	67.2	4.8		3.8					
SR8	Misty	Moderate	12:01	5.8	Surface	1.0	-	-	25.7	25.7	8.1	8.1	13.0	13.0	102.0	101.9	7.7	7.7	4.3	4.7	4	5	820369	811604
						1.0	-	-	25.7		8.1	8.1	13.0	13.0	101.8	101.9	7.7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	4.8	-	4.8	-			
						-	-	-	-		-	-	-	-	-	-	-							
					Bottom	4.8	-	-	24.1	24.1	7.8	7.8	23.3	23.3	65.2	65.4	4.8	4.8	5.0	4.8	5			
						4.8	-	-	24.1		7.8	7.8	23.3	23.3	65.6	65.4	4.8		5.0					

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

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

Water Quality Monitoring Results on 01 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Rough	18:07	7.9	Surface	1.0	0.4	43	26.3	26.3	8.0	8.0	24.1	24.2	71.5	71.6	5.0	4.9	3.4	3.8	4	4	815601	804223		
						1.0	0.5	37	26.3		8.0		24.2		71.7		5.1		3.4							
					Middle	4.0	0.4	39	25.9	25.9	8.0	8.0	25.3	25.3	68.2	68.2	4.8	4.9	3.9	4.9	4					
						4.0	0.4	39	25.9		8.0		25.3		68.2		4.8		3.9							
					Bottom	6.9	0.4	39	25.9	25.9	8.0	8.0	25.4	25.3	69.1	69.2	4.9	4.9	4.0	4.9	4.0				4.9	4
						6.9	0.4	45	25.9		8.0		25.3		69.2		4.9		4.0							
C2	Cloudy	Rough	16:56	9.8	Surface	1.0	0.1	311	28.6	28.6	8.0	8.0	12.4	12.4	94.4	94.5	6.8	6.3	1.3	2.6	5	4	825698	806927		
						1.0	0.0	308	28.6		8.0		12.4		94.6		6.8		1.3							
					Middle	4.9	0.1	315	28.4	28.4	7.9	7.9	14.6	14.6	80.0	80.0	5.7	3.9	2.3	3.9	4					
						4.9	0.1	316	28.4		7.9		14.6		79.9		5.7		2.3							
					Bottom	8.8	0.0	287	27.2	27.2	7.8	7.8	21.0	21.0	55.3	55.3	3.9	3.9	4.2	3.9	4.3				3.9	4
						8.8	0.0	286	27.2		7.8		21.0		55.3		3.9		4.3							
C3	Rainy	Moderate	18:33	10.0	Surface	1.0	0.5	253	23.1	23.2	8.1	8.1	27.0	27.0	90.4	90.3	6.6	6.3	1.3	2.5	5	5	822085	817809		
						1.0	0.6	256	23.2		8.1		27.0		90.1		6.6		1.3							
					Middle	5.0	0.5	252	23.2	23.2	8.1	8.1	27.0	27.0	80.4	80.7	5.9	5.8	2.7	5.8	5					
						5.0	0.5	258	23.1		8.1		27.0		80.9		5.9		2.8							
					Bottom	9.0	0.4	233	23.1	23.2	8.1	8.1	27.0	26.9	79.4	79.5	5.8	5.8	3.6	5.8	5					
						9.0	0.5	227	23.2		8.1		26.8		79.5		5.8		3.5							
IM1	Cloudy	Moderate	17:50	7.1	Surface	1.0	0.3	5	29.0	29.0	8.2	8.2	13.8	13.8	100.8	100.8	7.4	6.7	2.8	2.5	4	5	818369	806458		
						1.0	0.3	10	29.0		8.2		13.9		100.7		7.4		2.8							
					Middle	3.6	0.3	22	28.3	28.3	8.0	8.0	22.0	22.0	82.4	82.3	5.9	5.2	2.3	5.2	6					
						3.6	0.3	24	28.3		8.0		22.0		82.1		5.9		2.2							
					Bottom	6.1	0.3	3	27.9	27.9	8.0	8.0	23.0	23.0	73.1	73.2	5.2	5.2	2.5	5.2	6					
						6.1	0.2	3	27.9		8.0		23.0		73.2		5.2		2.4							
IM2	Cloudy	Moderate	17:41	6.9	Surface	1.0	0.3	344	29.0	29.0	8.2	8.2	13.3	13.3	100.1	100.1	7.4	6.8	2.9	2.5	3	4	819174	806243		
						1.0	0.3	338	29.0		8.2		13.3		100.1		7.4		2.8							
					Middle	3.5	0.2	358	28.4	28.4	8.0	8.0	17.3	17.3	84.7	84.6	6.1	5.2	2.3	5.2	4					
						3.5	0.2	3	28.4		8.0		17.4		84.5		6.1		2.2							
					Bottom	5.9	0.2	4	27.9	27.9	7.9	7.9	22.4	22.3	72.6	72.7	5.2	4.3	2.5	4.3	4					
						5.9	0.3	0	27.9		7.9		22.3		72.7		5.2		2.5							
IM7	Cloudy	Rough	17:24	7.8	Surface	1.0	0.2	282	29.0	29.0	8.1	8.1	19.8	19.8	95.8	95.8	7.0	6.1	2.7	3.7	4	4	821335	806846		
						1.0	0.2	278	29.0		8.1		19.8		95.7		7.0		2.7							
					Middle	3.9	0.2	280	27.9	27.9	7.9	7.9	25.1	25.1	72.8	72.8	5.2	4.3	2.4	4.3	4					
						3.9	0.2	273	27.9		7.9		25.1		72.8		5.2		2.4							
					Bottom	6.8	0.2	289	27.4	27.4	7.8	7.8	25.9	25.9	60.6	60.6	4.3	4.3	5.8	4.3	4					
						6.8	0.2	296	27.4		7.8		25.9		60.6		4.3		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 01 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Rainy	Moderate	16:56	9.0	Surface	1.0	0.3	258	25.6	25.6	8.0	8.0	13.5	13.5	86.4	86.1	6.6	5.3	5.2	6.2	4	4	822246	809859				
						1.0	0.3	255	25.6		8.0	8.0	13.4	13.5	85.7	86.1	6.5		5.2		4							
					Middle	4.5	0.2	279	23.9	23.9	7.8	7.8	23.8	23.8	56.3	56.3	4.1	4.1	6.3	4.1	4				4.1	4		
						4.5	0.3	273	23.9		7.8	7.8	23.8	23.8	56.3	56.3	4.1		6.5		4							
					Bottom	8.0	0.2	265	23.6	23.6	7.8	7.8	25.6	25.7	55.8	55.9	4.1	4.1	7.1	4.1	4				4.1	4		
						8.0	0.2	267	23.5		7.8	7.8	25.9	25.7	55.9	55.9	4.1		7.1		4							
IM11	Rainy	Moderate	17:04	8.4	Surface	1.0	0.3	262	25.6	25.6	8.2	8.2	12.9	12.9	103.5	103.4	7.9	6.8	3.1	4.4	5	4	821508	810559				
						1.0	0.3	259	25.6		8.2	8.2	12.9	12.9	103.2	103.4	7.9		3.1		4							
					Middle	4.2	0.3	283	24.6	24.6	7.9	7.9	18.4	18.4	76.2	76.1	5.7	5.7	4.3	4.7	4				5.7	4		
						4.2	0.3	287	24.5		7.9	7.9	18.4	18.4	76.0	76.1	5.7		4.5		4							
					Bottom	7.4	0.3	261	23.8	23.8	7.9	7.9	24.9	24.9	63.2	63.4	4.6	4.6	5.7	4.7	4				63.4	4		
						7.4	0.3	267	23.7		7.9	7.9	24.9	24.9	63.6	63.4	4.7		5.6		4							
IM12	Rainy	Moderate	17:11	8.0	Surface	1.0	0.4	299	25.7	25.7	8.2	8.2	12.9	12.9	106.3	106.2	8.1	7.4	3.1	4.2	5	4	821149	811510				
						1.0	0.3	292	25.7		8.2	8.2	12.9	12.9	106.0	106.2	8.1		3.1		4							
					Middle	4.0	0.3	310	25.4	25.4	8.0	8.0	15.5	15.5	87.7	87.6	6.6	6.6	3.8	5.2	4				7.0	4		
						4.0	0.3	306	25.4		8.0	8.0	15.5	15.5	87.4	87.6	6.6		3.8		4							
					Bottom	7.0	0.3	305	23.9	23.9	7.9	7.9	24.3	24.3	69.8	70.8	5.1	5.1	5.7	5.2	4				71.7	4		
						7.0	0.3	309	23.9		7.9	7.9	24.3	24.3	71.7	70.8	5.3		5.8		4							
SR1A	Rainy	Moderate	17:41	5.0	Surface	1.0	0.0	207	25.5	25.5	8.1	8.1	15.2	15.2	103.8	103.7	7.8	7.8	2.9	3.0	5	5	819976	812656				
						1.0	0.1	208	25.5		8.1	8.1	15.2	15.2	103.5	103.7	7.8		2.9		6							
					Middle	2.5	0.0	196	-	-	-	-	-	-	-	-	-	-	-	6.9	-				92.8	-	6.8	-
						2.5	0.0	198	-		-	-	-	-	-	-	-		-		-					3.1		4
					Bottom	4.0	0.0	212	25.3	25.4	8.1	8.1	18.3	18.4	92.2	92.8	6.8	6.9	3.1	6.9	4				93.3	4		
						4.0	0.0	211	25.4		8.1	8.1	18.4	18.4	93.3	92.8	6.9		3.1		5							
SR2	Rainy	Moderate	18:17	5.2	Surface	1.0	0.2	290	23.2	23.2	8.1	8.1	26.6	26.6	81.5	81.4	6.0	6.0	2.2	2.6	5	5	821477	814160				
						1.0	0.2	286	23.2		8.1	8.1	26.7	26.6	81.2	81.4	5.9		2.2		5							
					Middle	-	0.1	272	-	-	-	-	-	-	-	-	-	-	-	5.9	-				80.0	-	5.9	-
						-	0.1	267	-		-	-	-	-	-	-	-		-		-					4		
					Bottom	4.2	0.1	266	23.2	23.2	8.1	8.1	26.9	26.8	79.9	80.0	5.9	5.9	3.0	5.9	4				80.0	4		
						4.2	0.1	270	23.2		8.1	8.1	26.8	26.8	80.0	80.0	5.9		3.0		4							
SR3	Cloudy	Rough	17:15	8.9	Surface	1.0	0.1	188	28.7	28.7	8.1	8.1	14.7	14.7	97.2	97.1	7.1	6.9	1.2	1.8	5	4	822165	807561				
						1.0	0.0	184	28.7		8.1	8.1	14.7	14.7	97.0	97.1	7.0		1.3		4							
					Middle	4.5	0.1	212	28.6	28.6	8.0	8.0	19.4	19.4	92.1	92.1	6.7	6.7	2.1	5.9	4				82.8	4		
						4.5	0.1	205	28.6		8.0	8.0	19.4	19.4	92.0	92.1	6.7		2.1		3							
					Bottom	7.9	0.1	174	28.4	28.4	7.9	7.9	21.2	21.2	82.8	82.8	5.9	5.9	2.2	5.9	3				82.8	3		
						7.9	0.1	170	28.4		7.9	7.9	21.2	21.2	82.8	82.8	5.9		2.2		3							
SR4A	Cloudy	Rough	18:30	9.9	Surface	1.0	0.0	146	26.8	26.8	8.0	8.0	21.7	21.6	77.0	77.1	5.5	5.2	3.1	4.2	4	4	817174	807799				
						1.0	0.0	143	26.8		8.0	8.0	21.5	21.6	77.2	77.1	5.5		3.2		4							
					Middle	5.0	0.0	130	26.1	26.1	8.0	8.0	24.6	24.6	69.8	69.9	4.9	4.9	3.6	4.8	4				67.8	4		
						5.0	0.0	130	26.1		8.0	8.0	24.5	24.6	69.9	69.9	4.9		3.6		4							
					Bottom	8.9	0.0	111	25.8	25.8	8.0	8.0	25.7	25.8	67.8	67.8	4.8	4.8	5.8	4.8	5				67.8	4		
						8.9	0.0	113	25.8		8.0	8.0	25.8	25.8	67.8	67.8	4.8		5.8		4							
SR8	Rainy	Moderate	17:26	5.2	Surface	1.0	-	-	25.6	25.6	8.1	8.1	14.0	14.0	98.1	98.0	7.4	7.4	2.2	3.1	5	5	820391	811643				
						1.0	-	-	25.5		8.1	8.1	14.0	14.0	97.9	98.0	7.4		2.2		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-				5.3	-	7.1	-
						-	-	-	-		-	-	-	-	-	-	-		-		-					3.9		5
					Bottom	4.2	-	-	24.6	24.6	7.9	7.9	20.7	20.7	71.3	71.4	5.3	5.3	4.0	5.3	6				71.4	6		
						4.2	-	-	24.6		7.9	7.9	20.7	20.7	71.4	71.4	5.3		4.0		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 04 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	13:33	8.0	Surface	1.0	0.6	218	<u>27.8</u>	8.0	8.0	<u>18.6</u>	18.6	<u>84.1</u>	84.0	6.0	5.7	3.0	5.2	6	6	815631	804237	
						1.0	0.7	215	27.8	8.0	8.0	18.6	83.8	5.9	3.0	6								
					Middle	4.0	0.6	203	<u>27.3</u>	8.0	8.0	19.2	19.3	77.2	75.6	5.5		3.2		6				
						4.0	0.6	204	27.3	8.0	8.0	19.3	73.9	5.3	3.2	5								
					Bottom	7.0	0.6	199	<u>25.2</u>	8.0	8.0	28.3	28.3	47.4	47.5	3.3		3.3		9.3				5
						7.0	0.6	197	25.2	8.0	8.0	28.4	28.4	47.6	47.5	3.3		3.3		9.8				6
C2	Fine	Moderate	11:58	11.8	Surface	1.0	0.8	176	<u>27.4</u>	7.9	7.9	<u>18.1</u>	18.1	<u>65.0</u>	65.0	4.6	4.4	5.2	6.5	5	4	825677	806933	
						1.0	0.9	183	27.4	7.9	7.9	18.1	64.9	4.6	5.2	4								
					Middle	5.9	0.9	162	<u>27.0</u>	8.0	8.0	19.9	20.0	57.1	57.0	4.1		4.4		5.7				4
						5.9	1.0	167	27.0	8.0	8.0	20.0	56.9	4.1	5.8	5								
					Bottom	10.8	0.8	170	<u>25.8</u>	8.0	8.0	25.4	25.4	48.5	48.5	3.4		3.4		8.6				4
						10.8	0.9	172	25.8	8.0	8.0	25.4	25.4	48.5	48.5	3.4		3.4		8.5				4
C3	Cloudy	Rough	13:45	10.8	Surface	1.0	0.2	359	<u>23.5</u>	8.0	8.0	<u>23.6</u>	23.6	<u>67.6</u>	67.6	5.0	4.8	7.0	8.2	4	4	822091	817780	
						1.0	0.2	352	23.5	8.0	8.0	23.6	67.5	5.0	6.9	4								
					Middle	5.4	0.2	28	<u>23.1</u>	8.0	8.0	25.1	25.1	62.4	62.4	4.6		4.8		8.1				3
						5.4	0.1	29	23.1	8.0	8.0	25.1	62.3	4.6	8.1	4								
					Bottom	9.8	0.2	0	<u>22.6</u>	8.0	8.0	27.4	27.4	55.6	55.6	4.1		4.1		9.6				5
						9.8	0.1	354	22.6	8.0	8.0	27.4	27.4	55.6	55.6	4.1		4.1		9.6				4
IM1	Fine	Moderate	13:07	6.6	Surface	1.0	0.5	181	<u>27.4</u>	8.0	8.0	<u>19.1</u>	19.1	<u>76.7</u>	76.5	5.5	4.5	3.0	7.5	5	6	818367	806434	
						1.0	0.5	175	27.4	8.0	8.0	19.1	76.2	5.4	3.0	5								
					Middle	3.3	0.5	214	<u>26.4</u>	7.9	7.9	23.3	23.2	51.2	51.3	3.6		4.5		9.3				6
						3.3	0.5	217	26.4	7.9	7.9	23.2	51.4	3.6	9.2	5								
					Bottom	5.6	0.5	199	<u>25.4</u>	8.0	8.0	27.4	27.4	42.6	42.7	3.0		3.0		10.2				6
						5.6	0.4	203	25.4	8.0	8.0	27.4	27.4	42.7	42.7	3.0		3.0		10.3				6
IM2	Fine	Moderate	13:01	7.2	Surface	1.0	0.7	226	<u>27.3</u>	7.9	7.9	<u>20.7</u>	20.7	<u>67.2</u>	67.4	4.7	4.1	5.1	7.4	6	5	819165	806233	
						1.0	0.7	224	27.3	7.9	7.9	20.8	67.6	4.8	5.2	6								
					Middle	3.6	0.7	207	<u>26.3</u>	8.0	8.0	23.6	23.6	48.5	48.5	3.4		4.1		8.1				4
						3.6	0.7	213	26.3	8.0	8.0	23.6	48.5	3.4	8.3	4								
					Bottom	6.2	0.7	215	<u>25.5</u>	8.0	8.0	26.8	26.8	44.2	44.4	3.1		3.1		8.9				4
						6.2	0.7	220	25.5	8.0	8.0	26.9	26.8	44.5	44.4	3.1		3.1		8.9				5
IM7	Fine	Moderate	12:31	8.4	Surface	1.0	0.4	214	<u>27.3</u>	8.0	8.0	<u>18.7</u>	18.6	<u>67.5</u>	67.5	4.8	4.6	4.5	8.2	5	6	821344	806833	
						1.0	0.4	207	27.2	8.0	8.0	18.6	67.4	4.8	4.6	6								
					Middle	4.2	0.3	230	<u>26.9</u>	8.0	8.0	20.5	20.5	61.4	61.4	4.4		4.6		6.2				5
						4.2	0.3	225	26.9	8.0	8.0	20.5	61.4	4.4	6.7	6								
					Bottom	7.4	0.4	203	<u>26.5</u>	8.0	8.0	22.3	22.3	56.5	56.6	4.0		4.0		13.6				5
						7.4	0.3	199	26.5	8.0	8.0	22.3	22.3	56.6	56.6	4.0		4.0		13.8				6

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
IM10	Cloudy	Rough	11:57	9.3	Surface	1.0	0.7	112	24.1	7.9	7.9	20.8	20.8	73.1	73.1	5.5	5.4	4.8	5.6	4	4	822238	809842		
						1.0	0.6	111	24.1	7.9	7.9	20.8	20.8	73.1	73.1	5.5	5.4	4.8	5.6	5					
					Middle	4.7	0.7	100	23.8	7.9	7.9	21.4	21.4	69.7	69.7	5.2	5.4	5.5	5.6	4				4	
						4.7	0.7	100	23.8	7.9	7.9	21.4	21.4	69.7	69.7	5.2	5.5	5.5	5.6	4				4	
					Bottom	8.3	0.8	144	23.6	7.9	7.9	21.9	21.9	67.4	67.5	5.0	5.0	6.7	5.0	4				4	
						8.3	0.8	150	23.6	7.9	7.9	21.9	21.9	67.5	67.5	5.0	5.0	6.8	5.0	4				4	
IM11	Cloudy	Rough	12:14	8.6	Surface	1.0	0.7	103	24.2	7.9	7.9	20.4	20.4	78.1	78.1	5.8	5.4	3.6	3.2	3	4	821512	810553		
						1.0	0.6	101	24.2	7.9	7.9	20.4	20.4	78.0	78.0	5.8	5.4	3.6	3.2	4					
					Middle	4.3	0.7	83	23.7	7.9	7.9	21.8	21.8	66.1	66.2	4.9	4.7	2.4	4.7	3				4	
						4.3	0.7	83	23.7	7.9	7.9	21.8	21.8	66.2	66.2	5.0	4.7	2.4	4.7	4				4	
					Bottom	7.6	0.7	112	23.6	7.9	7.9	22.3	22.3	63.3	63.3	4.7	4.7	3.5	4.7	4				4	
						7.6	0.6	116	23.6	7.9	7.9	22.3	22.3	63.3	63.3	4.7	4.7	3.5	4.7	6				4	
IM12	Cloudy	Rough	12:25	8.3	Surface	1.0	0.7	99	24.4	7.9	7.9	20.0	20.0	79.6	79.6	5.9	5.6	4.6	7.4	4	4	821153	811497		
						1.0	0.7	101	24.4	7.9	7.9	20.0	20.0	79.5	79.5	5.9	5.6	4.6	7.4	4					
					Middle	4.2	0.7	88	23.9	7.9	7.9	21.2	21.2	70.5	70.5	5.3	5.0	8.2	5.0	4				4	
						4.2	0.7	88	23.9	7.9	7.9	21.2	21.2	70.5	70.5	5.3	5.0	8.2	5.0	4				4	
					Bottom	7.3	0.8	104	23.7	7.9	7.9	21.8	21.8	66.3	66.3	5.0	5.0	9.3	5.0	3				4	
						7.3	0.8	105	23.7	7.9	7.9	21.9	21.8	66.3	66.3	5.0	5.0	9.3	5.0	4				4	
SR1A	Cloudy	Moderate	13:12	5.2	Surface	1.0	-	128	24.2	7.9	7.9	20.8	20.8	72.5	72.5	5.4	5.4	4.9	7.1	4	4	819981	812656		
						1.0	0.0	135	24.1	7.9	7.9	20.8	20.8	72.5	72.5	5.4	5.4	5.0	7.1	3					
					Middle	2.6	0.0	128	-	-	-	-	-	-	-	-	-	-	-	-				-	4
						2.6	0.0	134	-	-	-	-	-	-	-	-	-	-	-	-				-	4
					Bottom	4.2	0.1	155	23.6	7.9	7.9	22.8	22.8	65.3	65.3	4.9	4.9	9.4	4.9	4				4	
						4.2	0.0	156	23.6	7.9	7.9	22.8	22.8	65.3	65.3	4.9	4.9	9.3	4.9	4				4	
SR2	Cloudy	Moderate	13:28	5.1	Surface	1.0	0.6	39	24.0	7.9	7.9	20.9	20.9	74.4	74.4	5.6	5.6	5.3	5.7	4	4	821453	814170		
						1.0	0.6	32	24.0	7.9	7.9	20.9	20.9	74.4	74.4	5.6	5.6	5.4	5.7	4					
					Middle	-	0.5	26	-	-	-	-	-	-	-	-	-	-	-	-				-	4
						-	0.6	23	-	-	-	-	-	-	-	-	-	-	-	-				-	4
					Bottom	4.1	0.6	38	23.8	7.9	7.9	21.5	21.5	68.7	68.7	5.1	5.1	5.9	5.1	4				4	
						4.1	0.6	44	23.8	7.9	7.9	21.5	21.5	68.7	68.7	5.1	5.1	5.9	5.1	4				4	
SR3	Fine	Moderate	12:23	9.4	Surface	1.0	0.8	156	27.4	8.0	8.0	18.4	18.4	69.0	68.9	4.9	4.6	4.1	6.8	7	7	822141	807579		
						1.0	0.9	154	27.4	8.0	8.0	18.4	18.4	68.8	68.8	4.9	4.6	4.4	6.8	6					
					Middle	4.7	0.8	143	26.8	8.0	8.0	20.6	20.6	58.3	58.3	4.2	4.2	7.8	4.2	7				7	
						4.7	0.8	142	26.8	8.0	8.0	20.6	20.6	58.3	58.3	4.2	4.2	7.8	4.2	7				7	
					Bottom	8.4	0.8	162	26.8	8.0	8.0	20.9	20.9	59.4	59.5	4.2	4.2	8.3	4.2	7				7	
						8.4	0.8	156	26.8	8.0	8.0	20.9	20.9	59.5	59.5	4.2	4.2	8.2	4.2	6				7	
SR4A	Rainy	Moderate	13:55	9.2	Surface	1.0	0.0	330	27.5	8.0	8.0	19.2	19.2	77.5	77.5	5.5	5.2	2.9	5.4	4	5	817209	807810		
						1.0	0.0	323	27.5	8.0	8.0	19.2	19.2	77.4	77.4	5.5	5.2	2.9	5.4	5					
					Middle	4.6	0.0	322	27.2	8.0	8.0	19.8	19.8	67.9	67.9	4.8	4.8	6.1	4.8	4				4	
						4.6	0.1	319	27.2	8.0	8.0	19.8	19.8	67.8	67.8	4.8	4.8	6.2	4.8	4				4	
					Bottom	8.2	0.0	317	26.9	8.0	8.0	20.6	20.6	61.4	61.4	4.4	4.4	7.1	4.4	5				4	
						8.2	0.0	311	26.9	8.0	8.0	20.6	20.6	61.4	61.4	4.4	4.4	7.2	4.4	4				4	
SR8	Cloudy	Moderate	12:36	5.6	Surface	1.0	-	-	24.4	7.9	7.9	20.0	20.0	79.8	79.8	6.0	6.0	5.1	7.7	4	4	820409	811610		
						1.0	-	-	24.4	7.9	7.9	20.0	20.0	79.7	79.7	6.0	6.0	5.1	7.7	4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4
					Bottom	4.6	-	-	23.9	7.9	7.9	21.2	21.2	72.5	72.6	5.4	5.4	10.2	5.4	4				4	
						4.6	-	-	23.9	7.9	7.9	21.2	21.2	72.7	72.7	5.4	5.4	10.2	5.4	4				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 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Sunny	Moderate	06:28	8.0	Surface	1.0	0.4	28	27.2	27.2	8.0	8.0	19.2	19.2	75.9	75.8	5.4	4.5	4.9	7.6	4	5	815615	804257		
						1.0	0.4	22	27.2		8.0		19.1		75.7		5.4		4.8		5					
					Middle	4.0	0.4	20	25.6	25.6	8.1	8.1	26.6	26.6	51.4	51.4	3.6	3.0	5.0	3.0	5.0				3.0	4
						4.0	0.4	20	25.6		8.1		26.6		51.4		3.6		5.0		5					
					Bottom	7.0	0.5	49	24.8	24.8	8.1	8.1	29.8	29.8	41.9	42.2	2.9	3.0	12.9	3.0	12.8				3.0	5
						7.0	0.5	47	24.8		8.1		29.8		42.4		42.2		3.0		12.8					5
C2	Sunny	Moderate	08:00	11.9	Surface	1.0	0.0	33	27.2	27.2	8.0	8.0	18.4	18.5	63.8	63.8	4.6	4.5	6.5	7.5	6	5	825661	806946		
						1.0	0.0	31	27.2		8.0		18.5		63.7		4.6		6.6		5					
					Middle	6.0	0.0	8	27.1	27.1	8.0	8.0	19.4	19.4	59.5	59.5	4.3	3.8	5.7	3.8	5.7				3.8	4
						6.0	0.1	2	27.1		8.0		19.4		59.4		4.3		5.7		4					
					Bottom	10.9	0.1	36	25.8	25.9	8.0	8.0	25.4	25.4	53.4	53.5	3.8	3.8	10.3	3.8	10.4				3.8	4
						10.9	0.1	30	25.9		8.0		25.4		53.5		3.8		10.4		4					
C3	Fine	Moderate	05:10	10.1	Surface	1.0	0.5	270	24.1	24.1	7.8	7.8	21.8	21.8	71.9	71.9	5.3	5.2	3.3	3.6	4	4	822101	817802		
						1.0	0.5	267	24.1		7.8		21.8		71.9		5.3		3.3		5					
					Middle	5.1	0.4	276	23.2	23.2	7.9	7.9	24.7	24.7	67.6	67.6	5.0	4.2	3.6	4.2	3.6				4.2	3
						5.1	0.4	280	23.2		7.9		24.7		67.6		5.0		3.6		3					
					Bottom	9.1	0.4	256	22.3	22.3	8.0	8.0	28.3	28.3	57.3	57.3	4.2	4.2	3.8	4.2	3.8				4.2	3
						9.1	0.4	259	22.2		8.0		28.3		57.2		4.2		3.8		4					
IM1	Sunny	Moderate	06:53	6.8	Surface	1.0	0.2	31	27.4	27.5	8.1	8.1	18.2	18.2	80.1	80.1	5.7	5.1	3.3	5.1	4	5	818363	806435		
						1.0	0.1	29	27.5		8.1		18.2		80.0		5.7		3.2		5					
					Middle	3.4	0.2	18	26.9	26.9	8.0	8.0	20.5	20.5	62.8	62.8	4.5	3.6	4.6	3.6	4.6				3.6	6
						3.4	0.2	17	26.8		8.0		20.5		62.7		4.5		4.6		6					
					Bottom	5.8	0.2	44	25.9	25.9	8.0	8.0	25.6	25.6	50.2	50.6	3.5	3.6	7.4	3.6	7.5				3.6	6
						5.8	0.2	42	25.9		8.0		25.6		51.0		3.6		7.5		5					
IM2	Sunny	Moderate	06:58	7.4	Surface	1.0	0.2	14	27.4	27.4	8.1	8.1	18.3	18.3	77.6	77.4	5.5	4.9	2.9	5.0	5	5	819191	806258		
						1.0	0.2	13	27.4		8.1		18.3		77.2		5.5		3.0		6					
					Middle	3.7	0.3	32	26.9	26.9	8.1	8.1	20.7	20.7	60.4	60.4	4.3	3.5	3.8	3.5	3.8				3.5	4
						3.7	0.4	36	26.9		8.1		20.6		60.3		4.3		3.8		5					
					Bottom	6.4	0.3	42	25.6	25.6	8.1	8.1	26.6	26.6	49.6	49.7	3.5	4.3	8.4	4.3	8.1				4.3	4
						6.4	0.3	43	25.6		8.1		26.6		49.7		3.5		8.1		4					
IM7	Sunny	Moderate	07:21	8.0	Surface	1.0	0.4	49	27.2	27.2	8.1	8.1	19.1	19.1	63.1	63.2	4.5	4.6	5.6	7.0	3	3	821350	806820		
						1.0	0.4	44	27.2		8.1		19.1		63.3		4.5		5.5		3					
					Middle	4.0	0.4	16	27.0	27.0	8.2	8.2	19.7	19.7	65.2	65.2	4.7	4.3	5.8	4.3	6.1				4.3	4
						4.0	0.4	15	27.0		8.2		19.7		65.1		4.7		6.1		4					
					Bottom	7.0	0.3	50	26.7	26.7	8.2	8.2	21.6	21.6	59.6	59.7	4.2	4.3	10.0	4.3	10.0				4.3	3
						7.0	0.3	56	26.7		8.2		21.6		59.8		4.3		9.0		3					

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

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Water Quality Monitoring

Water Quality Monitoring Results on **04 July 23** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Fine	Rough	06:37	8.7	Surface	1.0	0.3	299	24.1	24.1	7.9	7.9	20.2	20.2	72.2	72.2	5.4	5.3	6.0	8.1	3	3	822241	809843			
						1.0	0.3	298	24.1	7.9	7.9	20.2	20.2	72.2	72.2	5.4	5.3	6.0	8.1	3	3						
					Middle	4.4	0.3	300	23.8	23.8	7.9	7.9	21.1	21.1	68.8	68.8	5.2	5.2	8.4	8.1	3	3					
						4.4	0.3	292	23.8	23.8	7.9	7.9	21.2	21.1	68.8	68.8	5.2	5.2	8.4	8.1	3	3					
					Bottom	7.7	0.3	292	23.7	23.7	7.9	7.9	21.7	21.7	69.8	69.8	5.2	5.2	9.8	5.2	3	3					
						7.7	0.3	297	23.7	23.7	7.9	7.9	21.7	21.7	69.8	69.8	5.2	5.2	9.8	5.2	4	4					
IM11	Fine	Rough	06:23	8.1	Surface	1.0	0.2	289	24.2	24.2	7.9	7.9	19.9	19.9	77.8	77.8	5.8	5.7	3.7	6.1	4	5	821491	810561			
						1.0	0.2	284	24.2	24.2	7.9	7.9	19.9	19.9	77.7	77.8	5.8	5.7	3.7	6.1	4	5					
					Middle	4.1	0.2	274	24.0	24.0	7.9	7.9	20.3	20.3	73.3	73.3	5.5	5.5	5.4	5.4	5	5					
						4.1	0.3	280	24.0	24.0	7.9	7.9	20.3	20.3	73.3	73.3	5.5	5.5	5.3	5.4	4	5					
					Bottom	7.1	0.2	282	23.7	23.7	7.9	7.9	21.8	21.8	71.6	71.7	5.3	5.4	9.2	5.4	5	5					
						7.1	0.2	278	23.7	23.7	7.9	7.9	21.8	21.8	71.7	71.7	5.4	5.4	9.2	5.4	5	5					
IM12	Fine	Rough	06:13	7.9	Surface	1.0	0.3	278	24.1	24.1	7.8	7.8	20.0	20.0	72.5	72.5	5.4	5.4	5.1	6.6	4	4	821151	811516			
						1.0	0.3	273	24.1	24.1	7.8	7.8	20.0	20.0	72.5	72.5	5.4	5.4	5.1	6.6	4	4					
					Middle	4.0	0.3	263	24.1	24.1	7.8	7.8	20.3	20.3	71.3	71.3	5.3	5.3	5.9	5.4	5	4					
						4.0	0.3	261	24.1	24.1	7.8	7.8	20.3	20.3	71.3	71.3	5.3	5.3	5.9	5.4	4	4					
					Bottom	6.9	0.4	285	24.0	24.0	7.8	7.8	21.0	21.0	69.2	69.3	5.2	5.2	8.9	5.2	3	4					
						6.9	0.4	288	24.0	24.0	7.8	7.8	21.0	21.0	69.3	69.3	5.2	5.2	9.0	5.2	4	4					
SR1A	Fine	Calm	05:44	4.7	Surface	1.0	0.0	187	23.4	23.4	8.0	8.0	23.7	23.7	63.4	63.4	4.7	4.7	6.3	6.4	3	4	819979	812663			
						1.0	0.0	193	23.4	23.4	8.0	8.0	23.7	23.7	63.4	63.4	4.7	4.7	6.3	6.4	3	4					
					Middle	2.4	0.0	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-			6.4	-	4
						2.4	0.0	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-			6.4	-	4
					Bottom	3.7	-	180	23.1	23.1	8.0	8.0	25.0	25.0	61.2	61.2	4.5	4.5	6.6	4.5	5	4.5			6.6	5	4
						3.7	0.0	187	23.1	23.1	8.0	8.0	25.0	25.0	61.2	61.2	4.5	4.5	6.6	4.5	3	4.5			6.6	3	4
SR2	Fine	Moderate	05:28	4.9	Surface	1.0	0.1	236	23.4	23.4	7.9	7.9	23.3	23.3	69.5	69.5	5.2	5.2	3.4	5.2	4	4	821472	814175			
						1.0	0.2	241	23.4	23.4	7.9	7.9	23.4	23.3	69.4	69.5	5.2	5.2	3.4	5.2	3	5.2					
					Middle	-	0.1	249	-	-	-	-	-	-	-	-	-	-	-	-	-	-			3.4	-	4
						-	0.1	256	-	-	-	-	-	-	-	-	-	-	-	-	-	-			3.4	-	4
					Bottom	3.9	0.1	221	23.2	23.2	7.9	7.9	24.8	24.8	68.5	68.5	5.1	5.1	3.4	5.1	3	5.1			3.4	3	4
						3.9	0.1	219	23.2	23.2	7.9	7.9	24.9	24.8	68.5	68.5	5.1	5.1	3.4	5.1	4	5.1			3.4	4	4
SR3	Sunny	Moderate	07:29	8.6	Surface	1.0	0.3	6	27.5	27.5	8.1	8.1	18.1	18.1	65.8	65.8	4.7	4.6	3.6	7.3	5	5	822145	807593			
						1.0	0.2	0	27.5	27.5	8.1	8.1	18.1	18.1	65.7	65.8	4.7	4.6	3.7	7.3	4	4.6					
					Middle	4.3	0.3	25	26.9	26.9	8.2	8.2	20.3	20.3	62.3	62.3	4.4	4.4	9.1	4.4	5	4.4			5	5	
						4.3	0.3	23	26.9	26.9	8.2	8.2	20.3	20.3	62.3	62.3	4.4	4.4	9.1	4.4	5	4.4			5	5	
					Bottom	7.6	0.2	25	26.9	26.9	8.2	8.2	20.6	20.6	60.0	60.1	4.3	4.3	9.0	4.3	4	4.3			9.0	4	4
						7.6	0.2	30	26.9	26.9	8.2	8.2	20.6	20.6	60.1	60.1	4.3	4.3	9.0	4.3	4	4.3			9.0	4	4
SR4A	Sunny	Moderate	06:08	8.8	Surface	1.0	0.0	124	27.1	27.1	7.9	7.9	19.6	19.6	70.7	70.7	5.0	4.9	3.1	5.8	4	4	817176	807823			
						1.0	0.0	130	27.1	27.1	7.9	7.9	19.6	19.6	70.6	70.7	5.0	4.9	3.1	5.8	4	4.9					
					Middle	4.4	0.0	121	27.0	27.0	7.9	7.9	20.1	20.1	67.7	67.8	4.8	4.8	5.2	4.8	4	4.8			5.2	4	4
						4.4	0.0	125	27.0	27.0	7.9	7.9	20.1	20.1	67.8	67.8	4.8	4.8	5.3	4.8	6	4.8			5.3	6	4
					Bottom	7.8	0.0	145	26.9	26.9	7.9	7.9	20.9	20.9	62.9	62.9	4.5	4.5	9.1	4.5	4	4.5			9.1	4	4
						7.8	0.0	142	26.9	26.9	7.9	7.9	20.9	20.9	62.9	62.9	4.5	4.5	9.1	4.5	4	4.5			9.1	4	4
SR8	Fine	Calm	06:08	5.2	Surface	1.0	-	-	24.2	24.2	7.9	7.9	19.5	19.5	76.3	76.3	5.7	5.7	3.7	5.0	3	3	820398	811611			
						1.0	-	-	24.2	24.2	7.9	7.9	19.5	19.5	76.3	76.3	5.7	5.7	3.6	5.0	3	5.7					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			5.0	-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			5.0	-	3
					Bottom	4.2	-	-	24.0	24.0	7.9	7.9	20.3	20.3	73.8	73.8	5.5	5.5	6.3	5.5	3	5.5			6.3	3	3
						4.2	-	-	24.0	24.0	7.9	7.9	20.4	20.3	73.8	73.8	5.5	5.5	6.2	5.5	3	5.5			6.2	3	3

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Sunny	Moderate	15:11	8.4	Surface	1.0	0.3	208	<u>27.7</u>	27.8	8.1	8.1	<u>20.7</u>	20.7	79.5	79.4	5.6	5.0	4.8	7.6	6	6	815621	804254		
						1.0	0.3	210	27.8		8.1		20.7		79.3		5.6		5.0		7					
					Middle	4.2	0.3	199	<u>25.7</u>	25.6	8.1	8.1	25.2	25.3	61.7	61.6	4.4	4.4	7.3	4.4	6				4.0	6
						4.2	0.3	199	25.5		8.1		25.5		61.5		4.4		7.4		5					
					Bottom	7.4	0.2	214	<u>25.1</u>	25.1	8.1	8.1	28.7	28.7	57.1	57.2	4.0	4.0	10.7	4.0	5				4.0	5
						7.4	0.2	216	25.1		8.1		28.7		57.3		4.0		10.2		6					
C2	Sunny	Moderate	13:38	11.5	Surface	1.0	0.8	163	<u>28.1</u>	28.1	7.9	7.9	<u>17.6</u>	17.6	74.6	74.6	5.3	5.2	6.9	11.1	5	5	825680	806955		
						1.0	0.9	156	28.1		7.9		17.6		74.5		5.3		7.0		4					
					Middle	5.8	0.8	184	<u>27.5</u>	27.5	7.9	7.9	18.9	18.9	70.0	70.0	5.0	5.0	12.2	4.6	5				4.6	5
						5.8	0.9	179	27.5		7.9		18.9		70.0		5.0		12.3		6					
					Bottom	10.5	0.8	165	<u>27.2</u>	27.2	7.9	7.9	19.8	19.9	64.4	64.3	4.6	4.6	14.1	4.6	5				4.6	5
						10.5	0.8	167	27.2		7.9		19.9		64.2		4.6		14.3		5					
C3	Fine	Moderate	14:49	12.6	Surface	1.0	0.1	333	<u>23.1</u>	23.1	8.0	8.0	<u>25.6</u>	25.6	71.3	71.4	5.3	5.1	8.7	9.6	7	6	822093	817822		
						1.0	0.1	331	23.1		8.0		25.6		71.4		5.3		8.7		6					
					Middle	6.3	0.2	338	<u>22.6</u>	22.7	8.0	8.0	27.0	27.0	66.2	66.3	4.9	4.9	9.1	4.7	6				4.7	6
						6.3	0.2	340	22.7		8.0		27.0		66.3		4.9		9.1		7					
					Bottom	11.6	0.2	305	<u>22.1</u>	22.1	8.0	8.0	29.3	29.3	64.0	64.1	4.7	4.7	11.2	4.7	6				4.7	6
						11.6	0.3	304	22.1		8.0		29.3		64.1		4.7		11.2		5					
IM1	Sunny	Moderate	14:51	6.9	Surface	1.0	0.3	199	<u>27.8</u>	27.8	8.0	8.0	<u>20.1</u>	20.1	81.4	81.3	5.7	5.1	3.9	6.6	6	6	818373	806463		
						1.0	0.4	192	27.8		8.0		20.2		81.2		5.7		4.1		6					
					Middle	3.5	0.3	212	<u>26.9</u>	26.9	8.0	8.0	22.2	22.2	63.5	63.4	4.5	4.5	6.1	3.9	6				3.9	6
						3.5	0.3	210	26.9		8.0		22.2		63.3		4.5		6.2		6					
					Bottom	5.9	0.3	217	<u>25.3</u>	25.3	8.0	8.0	28.0	28.0	55.0	55.1	3.9	3.9	9.9	3.9	5				3.9	5
						5.9	0.2	213	25.3		8.0		28.0		55.2		3.9		9.5		5					
IM2	Sunny	Moderate	14:46	7.2	Surface	1.0	0.6	211	<u>27.8</u>	27.8	8.0	8.0	<u>19.7</u>	19.7	81.4	81.3	5.7	5.1	4.2	6.7	7	6	819188	806252		
						1.0	0.6	206	27.8		8.0		19.7		81.2		5.7		5.0		7					
					Middle	3.6	0.6	224	<u>27.0</u>	27.0	8.0	8.0	21.5	21.5	63.6	63.6	4.5	4.5	7.1	3.6	6				3.6	6
						3.6	0.6	216	27.0		8.0		21.5		63.6		4.5		7.1		6					
					Bottom	6.2	0.7	215	<u>25.3</u>	25.3	8.1	8.1	28.0	28.0	51.9	51.9	3.6	3.6	8.9	3.6	5				3.6	5
						6.2	0.6	209	25.3		8.1		28.0		51.9		3.6		8.0		5					
IM7	Sunny	Moderate	14:15	7.9	Surface	1.0	0.5	211	<u>27.8</u>	27.8	8.0	8.0	18.8	18.8	77.1	77.1	5.5	5.1	5.1	9.7	6	5	821328	806829		
						1.0	0.4	208	27.7		8.0		18.8		77.0		5.5		5.3		6					
					Middle	4.0	0.5	202	<u>27.0</u>	27.0	8.0	8.0	21.3	21.3	65.9	65.9	4.7	4.7	11.0	4.6	5				4.6	5
						4.0	0.4	208	27.0		8.0		21.4		65.8		4.7		11.5		5					
					Bottom	6.9	0.5	220	<u>26.9</u>	26.9	8.0	8.0	21.6	21.6	65.4	65.6	4.6	4.6	12.8	4.6	5				4.6	5
						6.9	0.4	218	26.9		8.0		21.6		65.7		4.6		12.3		5					

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									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA					
IM10	Fine	Moderate	13:34	9.0	Surface	1.0	0.6	122	24.3	24.3	7.9	7.9	20.1	20.2	75.1	75.1	5.6	5.3	6.8	8.4	5	6	822218	809828			
						1.0	0.7	127	24.2	7.9	7.9	20.2	20.2	75.0	75.1	5.6	5.3	6.9	8.4	6	6						
					Middle	4.5	0.6	134	23.9	23.9	7.9	7.9	21.4	21.4	66.7	66.7	5.0	5.0	8.0	9.1	5	6					
						4.5	0.6	134	23.9	23.9	7.9	7.9	21.4	21.4	66.7	66.7	5.0	5.0	8.0	9.1	6	6					
					Bottom	8.0	0.7	115	23.3	23.3	7.9	7.9	23.8	23.7	62.1	62.2	4.6	4.6	10.3	10.3	7	7					
						8.0	0.6	111	23.3	23.3	7.9	7.9	23.7	23.7	62.3	62.2	4.6	4.6	10.3	10.3	7	7					
IM11	Fine	Moderate	13:40	7.6	Surface	1.0	0.5	110	23.9	23.9	7.9	7.9	21.3	21.3	74.4	74.4	5.6	5.5	8.3	9.1	7	6	821496	810531			
						1.0	0.5	102	23.9	23.9	7.9	7.9	21.3	21.3	74.4	74.4	5.6	5.5	8.3	9.1	7	6					
					Middle	3.8	0.6	129	23.8	23.8	7.9	7.9	21.8	21.8	72.8	72.8	5.4	5.4	9.0	9.0	5	6					
						3.8	0.6	129	23.8	23.8	7.9	7.9	21.8	21.8	72.8	72.8	5.4	5.4	9.0	9.0	6	6					
					Bottom	6.6	0.5	135	23.7	23.7	7.9	7.9	22.2	22.2	74.3	74.7	5.5	5.6	10.0	10.0	5	6					
						6.6	0.6	127	23.7	23.7	7.9	7.9	22.2	22.2	75.0	74.7	5.6	5.6	10.0	10.0	6	6					
IM12	Fine	Moderate	13:47	8.0	Surface	1.0	0.5	99	23.7	23.7	7.9	7.9	22.1	22.1	72.0	72.0	5.4	5.3	7.5	9.1	6	7	821165	811502			
						1.0	0.5	106	23.7	23.7	7.9	7.9	22.1	22.1	71.9	72.0	5.4	5.3	7.6	9.1	6	7					
					Middle	4.0	0.6	104	23.5	23.5	7.9	7.9	22.9	22.9	68.5	68.5	5.1	5.1	8.8	9.1	6	7					
						4.0	0.6	107	23.5	23.5	7.9	7.9	22.9	22.9	68.5	68.5	5.1	5.1	8.8	9.1	6	7					
					Bottom	7.0	0.6	100	23.4	23.4	7.9	7.9	23.5	23.5	66.4	66.5	4.9	5.0	11.0	11.0	8	7					
						7.0	0.6	97	23.4	23.4	7.9	7.9	23.5	23.5	66.5	66.5	5.0	5.0	11.0	11.0	7	7					
SR1A	Fine	Moderate	14:16	4.6	Surface	1.0	0.0	136	24.1	24.1	7.9	7.9	21.5	21.6	74.4	74.4	5.5	5.5	5.1	5.4	6	7	819971	812663			
						1.0	0.0	129	24.0	24.1	7.9	7.9	21.6	21.6	74.3	74.4	5.5	5.5	5.1	5.4	6	7					
					Middle	2.3	0.1	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-			5.4	-	7
						2.3	0.0	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-			5.4	-	7
					Bottom	3.6	0.0	139	23.8	23.9	7.9	7.9	23.2	23.2	68.8	68.9	5.1	5.1	5.8	5.7	7	8					
						3.6	0.0	141	23.9	23.9	7.9	7.9	23.2	23.2	68.9	68.9	5.1	5.1	5.7	5.7	8	8					
SR2	Fine	Moderate	14:32	4.8	Surface	1.0	0.4	31	24.3	24.3	7.9	7.9	20.7	20.7	81.9	81.9	6.1	6.1	5.6	6.2	7	7	821447	814153			
						1.0	0.4	33	24.3	24.3	7.9	7.9	20.7	20.7	81.8	81.9	6.1	6.1	5.6	6.2	7	7					
					Middle	-	0.4	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-			6.2	-	7
						-	0.5	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-			6.2	-	7
					Bottom	3.8	0.4	44	23.5	23.5	7.9	7.9	23.1	23.1	70.0	70.1	5.2	5.2	6.8	6.8	6	6					
						3.8	0.4	41	23.5	23.5	7.9	7.9	23.1	23.1	70.2	70.1	5.2	5.2	6.8	6.8	6	6					
SR3	Sunny	Moderate	14:07	9.5	Surface	1.0	0.8	176	27.6	27.6	7.9	7.9	18.9	18.9	68.3	68.3	4.9	4.7	7.8	9.7	6	6	822163	807557			
						1.0	0.8	174	27.5	27.6	7.9	7.9	19.0	18.9	68.3	68.3	4.9	4.7	7.8	9.7	6	6					
					Middle	4.8	0.8	162	27.3	27.3	7.9	7.9	20.0	20.0	63.5	63.5	4.5	4.5	10.1	10.1	5	6					
						4.8	0.9	166	27.2	27.3	7.9	7.9	20.1	20.0	63.5	63.5	4.5	4.5	10.1	10.1	5	6					
					Bottom	8.5	0.8	172	27.2	27.3	8.0	8.0	20.3	20.2	65.7	66.1	4.7	4.7	11.5	11.0	6	5					
						8.5	0.8	170	27.3	27.3	8.0	8.0	20.1	20.2	66.4	66.1	4.7	4.7	11.0	11.0	5	5					
SR4A	Sunny	Moderate	15:38	9.3	Surface	1.0	0.0	268	28.0	28.0	8.0	8.0	20.0	20.0	79.7	79.7	5.6	5.0	3.4	6.3	6	6	817195	807814			
						1.0	0.0	266	28.0	28.0	8.0	8.0	20.0	20.0	79.6	79.7	5.6	5.0	3.4	6.3	6	6					
					Middle	4.7	0.1	259	27.2	27.2	8.0	8.0	21.5	21.5	63.0	62.9	4.4	4.4	7.1	7.1	6	6					
						4.7	0.0	264	27.1	27.2	8.0	8.0	21.5	21.5	62.8	62.9	4.4	4.4	7.1	7.1	6	6					
					Bottom	8.3	0.0	300	27.1	27.1	8.0	8.0	21.7	21.7	62.0	62.1	4.4	4.4	8.5	8.4	7	6					
						8.3	0.0	295	27.1	27.1	8.0	8.0	21.7	21.7	62.1	62.1	4.4	4.4	8.4	8.4	6	6					
SR8	Fine	Moderate	13:53	5.2	Surface	1.0	-	-	24.0	24.0	7.9	7.9	22.8	22.8	70.1	70.1	5.2	5.2	6.7	7.1	6	6	820367	811637			
						1.0	-	-	24.0	24.0	7.9	7.9	22.8	22.8	70.1	70.1	5.2	5.2	6.7	7.1	6	6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			7.1	-	6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			7.1	-	6
					Bottom	4.2	-	-	23.8	23.8	7.9	7.9	23.1	23.1	68.6	68.7	5.1	5.1	7.6	7.6	6	6					
						4.2	-	-	23.8	23.8	7.9	7.9	23.1	23.1	68.7	68.7	5.1	5.1	7.6	7.6	6	6					

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Fine	Moderate	07:48	8.2	Surface	1.0	0.2	55	27.2	27.2	8.1	8.1	20.7	20.7	76.1	76.0	5.4	4.5	5.0	7.5	5	5	815633	804239	
						1.0	0.2	60	27.2		8.1		20.7		75.8		5.4		5.1						
					Middle	4.1	0.3	40	25.4	25.4	8.2	8.2	27.3	27.4	51.0	50.9	3.6	3.7	7.1	3.7	5	5			5
						4.1	0.3	42	25.4		8.2		27.5		50.8		3.6		7.2		5				
					Bottom	7.2	0.2	44	24.8	24.8	8.2	8.2	29.5	29.5	52.3	52.4	3.7	3.7	10.3	3.7	5	5			5
						7.2	0.2	38	24.8		8.2		29.5		52.5		3.7		10.5		6				
C2	Fine	Moderate	09:22	11.9	Surface	1.0	0.3	157	28.1	28.1	7.9	7.9	17.5	17.5	75.5	75.5	5.4	5.2	6.3	9.2	6	5	825673	806947	
						1.0	0.3	152	28.1		7.9		17.5		75.4		5.4		6.3						
					Middle	6.0	0.4	174	27.4	27.4	7.9	7.9	18.7	18.7	68.9	68.9	4.9	4.5	8.9	4.5	6	5			6
						6.0	0.3	169	27.3		7.9		18.8		68.8		4.9		8.5		5				
					Bottom	10.9	0.4	149	27.2	27.2	7.9	7.9	21.2	21.2	62.9	63.1	4.4	4.5	12.7	4.5	5	5			5
						10.9	0.3	151	27.2		7.9		21.2		63.3		4.5		12.7		5				
C3	Sunny	Moderate	07:46	10.2	Surface	1.0	0.1	247	23.2	23.2	7.9	7.9	24.3	24.3	68.9	68.9	5.1	5.0	2.5	4.2	6	5	822112	817826	
						1.0	0.1	251	23.2		7.9		24.2		68.9		5.1		2.5						
					Middle	5.1	0.1	241	22.5	22.5	7.9	7.9	26.1	26.1	64.6	64.5	4.8	4.1	4.0	4.1	5	5			5
						5.1	0.2	239	22.4		7.9		26.2		64.4		4.8		4.1		5				
					Bottom	9.2	0.2	217	21.4	21.4	8.0	8.0	30.5	30.5	55.1	55.1	4.1	4.1	6.1	4.1	5	5			4
						9.2	0.2	222	21.4		8.0		30.5		55.1		4.1		6.1		4				
IM1	Fine	Moderate	08:10	6.8	Surface	1.0	0.0	53	27.6	27.6	8.1	8.1	19.9	19.9	82.0	81.9	5.8	5.0	4.3	8.1	5	5	818351	806460	
						1.0	0.1	51	27.6		8.1		20.0		81.8		5.8		4.4						
					Middle	3.4	0.1	51	26.7	26.7	8.0	8.0	22.5	22.5	59.6	59.5	4.2	4.0	9.6	4.0	5	5			5
						3.4	0.1	44	26.7		8.0		22.5		59.3		4.2		9.7		5				
					Bottom	5.8	0.1	56	26.3	26.3	8.1	8.1	24.4	24.5	56.4	56.4	4.0	4.0	10.6	4.0	5	5			5
						5.8	0.1	61	26.2		8.1		24.7		56.4		4.0		10.2		5				
IM2	Fine	Moderate	08:15	7.4	Surface	1.0	0.1	11	27.6	27.6	8.0	8.0	19.7	19.7	81.4	81.4	5.8	5.0	4.5	7.5	3	5	819206	806218	
						1.0	0.1	5	27.5		8.0		19.7		81.4		5.8		4.6						
					Middle	3.7	0.1	42	26.7	26.7	8.0	8.0	22.5	22.6	59.7	59.7	4.2	3.9	7.8	3.9	5	5			5
						3.7	0.1	43	26.7		8.0		22.6		59.6		4.2		7.8		5				
					Bottom	6.4	0.1	8	26.5	26.5	8.0	8.0	25.2	25.2	55.8	56.2	3.9	3.9	10.6	3.9	5	5			6
						6.4	0.1	6	26.5		8.0		25.2		56.5		3.9		10.1		6				
IM7	Fine	Moderate	08:47	8.0	Surface	1.0	0.2	74	27.8	27.8	8.0	8.0	18.5	18.5	76.8	76.8	5.5	5.2	4.9	8.0	5	5	821352	806853	
						1.0	0.2	77	27.8		8.0		18.5		76.7		5.4		5.0						
					Middle	4.0	0.2	84	27.3	27.3	8.0	8.0	19.9	19.9	70.7	70.7	5.0	5.0	7.0	5.0	5	5			5
						4.0	0.2	84	27.3		8.0		19.9		70.6		5.0		7.3		5				
					Bottom	7.0	0.2	75	27.1	27.1	8.0	8.0	20.7	20.7	70.2	70.4	5.0	5.0	12.0	5.0	5	5			5
						7.0	0.2	73	27.1		8.0		20.7		70.6		5.0		11.9		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 July 23** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	09:10	9.0	Surface	1.0	0.4	97	24.3	24.3	7.8	7.8	19.6	19.6	73.6	73.6	5.5	5.3	6.3	8.1	6	5	822231	809836
						1.0	0.4	91	24.3		7.8	7.8	19.6	19.6	73.6	73.6	5.5		6.2		6			
					Middle	4.5	0.4	86	23.8	23.8	7.8	7.8	21.2	21.2	67.3	67.3	5.0	5.0	8.2	5				
						4.5	0.3	86	23.8		7.8	7.8	21.2	21.2	67.3	67.3	5.0		8.2	5				
					Bottom	8.0	0.3	112	23.4	23.4	7.9	7.9	23.4	23.4	65.8	65.8	4.9	4.9	9.8	5				
						8.0	0.3	107	23.4		7.9	7.9	23.4	23.4	65.8	65.8	4.9		9.8	5				
IM11	Sunny	Moderate	09:01	8.8	Surface	1.0	0.4	82	24.1	24.1	7.9	7.9	21.1	21.1	74.7	74.7	5.6	5.3	5.1	7.4	6	5	821487	810523
						1.0	0.4	82	24.1		7.9	7.9	21.1	21.1	74.6	74.6	5.6		5.1		5			
					Middle	4.4	0.4	109	23.4	23.4	7.9	7.9	23.3	23.3	65.9	66.0	4.9	4.9	7.8	6				
						4.4	0.3	104	23.4		7.9	7.9	23.3	23.3	66.0	66.0	4.9		7.8	5				
					Bottom	7.8	0.4	89	23.4	23.4	7.9	7.9	23.4	23.4	69.4	69.6	5.2	5.2	9.3	5				
						7.8	0.4	88	23.4		7.9	7.9	23.4	23.4	69.7	69.6	5.2		9.3	5				
IM12	Sunny	Moderate	08:54	8.6	Surface	1.0	0.4	90	23.9	23.9	7.9	7.9	21.9	21.9	70.2	70.2	5.2	4.9	7.0	8.6	6	6	821167	811518
						1.0	0.4	91	23.9		7.9	7.9	21.9	21.9	70.1	70.1	5.2		7.0		6			
					Middle	4.3	0.4	87	23.3	23.3	7.9	7.9	23.9	23.9	62.3	62.3	4.6	4.6	8.8	6				
						4.3	0.4	93	23.3		7.9	7.9	23.9	23.9	62.3	62.3	4.6		8.8	6				
					Bottom	7.6	0.3	113	23.1	23.1	7.9	7.9	24.9	24.9	63.1	63.3	4.7	4.7	10.0	7				
						7.6	0.3	113	23.1		7.9	7.9	24.9	24.9	63.4	63.3	4.7		10.0	6				
SR1A	Sunny	Moderate	08:25	4.2	Surface	1.0	0.0	134	24.1	24.1	7.9	7.9	20.4	20.4	73.4	73.4	5.5	5.5	7.1	7.7	5	5	819974	812665
						1.0	0.0	132	24.1		7.9	7.9	20.4	20.4	73.4	73.4	5.5		7.1		4			
					Middle	2.1	0.0	151	-	-	-	-	-	-	-	-	-	-	-	-				
						2.1	-	147	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.2	0.0	146	23.6	23.6	7.9	7.9	22.7	22.7	69.8	69.9	5.2	5.2	8.3	6				
						3.2	0.0	143	23.6		7.9	7.9	22.7	22.7	70.0	69.9	5.2		8.3	5				
SR2	Sunny	Moderate	08:07	5.0	Surface	1.0	0.1	40	24.0	24.0	7.8	7.8	20.2	20.2	75.4	75.4	5.7	5.7	4.0	4.9	5	5	821479	814182
						1.0	0.1	44	24.0		7.8	7.8	20.2	20.2	75.4	75.4	5.7		4.0		5			
					Middle	-	0.2	47	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.3	49	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	0.2	34	23.8	23.8	7.9	7.9	21.2	21.2	74.0	74.2	5.5	5.6	5.8	5				
						4.0	0.1	31	23.8		7.9	7.9	21.1	21.2	74.4	74.2	5.6		5.7	4				
SR3	Fine	Moderate	08:53	9.1	Surface	1.0	0.1	101	27.8	27.8	7.9	7.9	18.1	18.1	71.1	71.1	5.1	4.9	5.7	8.3	5	5	822151	807579
						1.0	0.1	97	27.8		7.9	7.9	18.1	18.1	71.0	71.0	5.0		6.3		5			
					Middle	4.6	0.1	95	27.4	27.4	7.9	7.9	19.2	19.2	65.5	65.7	4.7	4.7	8.8	5				
						4.6	0.1	96	27.4		7.9	7.9	19.2	19.2	65.8	65.7	4.7		8.4	5				
					Bottom	8.1	0.2	92	27.4	27.4	8.0	8.0	19.4	19.4	67.7	67.7	4.8	4.8	10.2	5				
						8.1	0.2	92	27.4		8.0	8.0	19.4	19.4	67.7	67.7	4.8		10.4	5				
SR4A	Fine	Moderate	07:20	8.9	Surface	1.0	0.0	130	27.6	27.6	8.1	8.1	19.9	19.9	76.6	76.6	5.4	5.1	5.9	7.0	4	5	817211	807789
						1.0	0.0	133	27.6		8.1	8.1	19.9	19.9	76.5	76.5	5.4		5.9		4			
					Middle	4.5	0.0	117	27.3	27.3	8.1	8.1	20.9	20.9	68.5	68.5	4.8	4.8	7.5	4				
						4.5	0.0	116	27.3		8.1	8.1	20.9	20.9	68.4	68.5	4.8		7.5	4				
					Bottom	7.9	0.1	139	27.1	27.1	8.2	8.2	21.4	21.4	65.2	65.2	4.6	4.6	7.8	6				
						7.9	0.1	144	27.1		8.2	8.2	21.4	21.4	65.2	65.2	4.6		7.7	5				
SR8	Sunny	Moderate	08:48	5.4	Surface	1.0	-	-	23.5	23.5	7.9	7.9	23.0	23.0	67.2	67.2	5.0	5.0	4.3	5.0	5	5	820376	811626
						1.0	-	-	23.5		7.9	7.9	23.0	23.0	67.1	67.1	5.0		4.4		5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.4	-	-	23.4	23.4	7.9	7.9	23.7	23.7	68.7	68.8	5.1	5.1	5.7	5				
						4.4	-	-	23.4		7.9	7.9	23.7	23.7	68.9	68.8	5.1		5.7	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 08 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	16:52	8.5	Surface	1.0	0.6	214	28.2	7.9	7.8	23.1	23.2	77.0	76.9	5.3	5.3	8.0	4.8	4	3	815631	804227	
						1.0	0.6	207	28.2	7.8	7.8	23.2	23.2	76.8	76.9	5.3	5.3	8.4	4.8	4				
					Middle	4.3	0.6	227	27.5	7.8	7.8	25.7	25.7	62.7	62.7	4.3	4.3	11.4	4.0	2				
						4.3	0.6	233	27.5	7.8	7.8	25.7	25.7	62.7	62.7	4.3	4.3	11.2	4.0	2				
					Bottom	7.5	0.7	230	27.5	7.8	7.8	26.1	26.1	57.7	57.7	4.0	4.0	12.2	4.0	2				
						7.5	0.6	223	27.5	7.8	7.8	26.1	26.1	57.7	57.7	3.9	3.9	12.2	4.0	2				
C2	Fine	Moderate	15:17	11.7	Surface	1.0	0.4	156	29.2	7.8	7.8	18.2	18.2	87.1	87.0	6.0	6.0	3.8	5.5	3	3	825690	806958	
						1.0	0.3	148	29.1	7.8	7.8	18.2	18.2	86.9	87.0	6.0	6.0	4.0	5.5	3				
					Middle	5.9	0.3	150	28.6	7.8	7.8	20.7	20.7	72.6	72.6	5.0	5.0	7.8	5.0	2				
						5.9	0.4	143	28.6	7.8	7.8	20.7	20.7	72.6	72.6	5.0	5.0	7.5	5.0	3				
					Bottom	10.7	0.4	172	29.1	7.8	7.8	20.9	20.9	73.4	73.6	5.0	5.0	9.7	5.0	4				
						10.7	0.3	178	29.2	7.8	7.8	20.9	20.9	73.7	73.6	5.0	5.0	9.6	5.0	3				
C3	Fine	Moderate	16:29	11.4	Surface	1.0	0.4	58	26.7	8.2	8.2	24.7	24.7	74.3	74.2	5.2	5.2	3.1	4.9	4	3	822098	817815	
						1.0	0.4	54	26.7	8.2	8.2	24.7	24.7	74.0	74.2	5.2	5.2	3.0	4.9	3				
					Middle	5.7	0.5	64	25.0	8.2	8.2	28.7	28.7	65.3	65.4	4.6	4.6	4.9	4.7	3				
						5.7	0.4	70	25.0	8.2	8.2	28.8	28.8	65.4	65.4	4.6	4.6	5.0	4.7	3				
					Bottom	10.4	0.4	75	24.9	8.2	8.2	29.1	29.1	67.2	67.3	4.7	4.7	6.3	4.7	3				
						10.4	0.4	80	24.9	8.2	8.2	29.1	29.1	67.4	67.3	4.7	4.7	6.2	4.7	3				
IM1	Fine	Moderate	16:27	6.5	Surface	1.0	0.3	182	27.9	7.8	7.8	24.1	24.2	73.9	73.8	5.1	5.1	10.9	4.9	2	2	818374	806475	
						1.0	0.3	184	27.9	7.8	7.8	24.2	24.2	73.6	73.8	5.1	5.1	10.3	4.9	2				
					Middle	3.3	0.4	190	27.8	7.8	7.8	24.7	24.7	66.7	66.7	4.6	4.6	10.7	4.5	3				
						3.3	0.3	187	27.8	7.8	7.8	24.7	24.7	66.6	66.7	4.6	4.6	10.3	4.5	3				
					Bottom	5.5	0.3	165	27.8	7.8	7.8	24.8	24.8	66.3	66.4	4.5	4.5	12.8	4.5	2				
						5.5	0.3	160	27.8	7.8	7.8	24.8	24.8	66.4	66.4	4.5	4.5	12.2	4.5	2				
IM2	Fine	Moderate	16:18	7.4	Surface	1.0	0.3	180	28.2	7.8	7.8	22.4	22.4	75.8	75.7	5.2	5.2	4.9	4.8	2	3	819200	806244	
						1.0	0.2	178	28.2	7.8	7.8	22.5	22.4	75.6	75.7	5.2	5.2	5.0	4.8	3				
					Middle	3.7	0.3	181	27.6	7.8	7.8	25.5	25.5	64.6	64.6	4.4	4.4	10.9	4.4	2				
						3.7	0.3	177	27.6	7.8	7.8	25.6	25.5	64.5	64.6	4.4	4.4	10.4	4.4	3				
					Bottom	6.4	0.3	199	27.7	7.8	7.8	25.8	25.7	64.6	64.6	4.4	4.4	11.0	4.4	5				
						6.4	0.3	201	27.7	7.8	7.8	25.7	25.7	64.6	64.6	4.4	4.4	11.5	4.4	4				
IM7	Fine	Moderate	15:44	8.3	Surface	1.0	0.3	164	28.8	7.8	7.8	19.4	19.4	86.0	85.9	6.0	6.0	8.7	5.7	3	3	821349	806847	
						1.0	0.3	163	28.8	7.8	7.8	19.4	19.4	85.8	85.9	6.0	6.0	9.6	5.7	2				
					Middle	4.2	0.2	161	28.3	7.8	7.8	21.7	21.7	78.2	78.1	5.4	5.4	13.3	4.7	3				
						4.2	0.2	156	28.2	7.8	7.8	21.7	21.7	77.9	78.1	5.4	5.4	13.3	4.7	3				
					Bottom	7.3	0.2	175	28.2	7.8	7.8	24.9	24.9	69.0	69.1	4.7	4.7	10.8	4.7	2				
						7.3	0.3	179	28.2	7.8	7.8	25.0	24.9	69.1	69.1	4.7	4.7	10.3	4.7	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 08 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Calm	15:11	9.0	Surface	1.0	0.5	99	28.4	28.4	8.0	8.0	17.9	17.9	80.3	80.3	5.7	5.4	1.7	3.7	3	3	822247	809834
						1.0	0.6	93	28.4		8.0	8.0	17.9	17.9	80.3	80.3	5.7		1.7		2			
					Middle	4.5	0.5	93	27.7	27.7	8.0	8.0	20.4	20.4	72.7	72.7	5.1	4.8	4.2	3				
						4.5	0.5	97	27.7		8.0	8.0	20.4	20.4	72.7	72.7	5.1		4.2	4				
					Bottom	8.0	0.5	122	27.4	27.4	8.0	7.9	21.5	21.5	68.6	68.7	4.8	5.0	5.3	4				
						8.0	0.5	126	27.4		7.9	7.9	21.5	21.5	68.7	68.7	4.8		5.3	3				
IM11	Sunny	Calm	15:21	8.2	Surface	1.0	0.6	100	28.2	28.2	8.0	8.0	18.7	18.7	80.4	80.4	5.7	5.4	4.1	5.5	3	3	821522	810562
						1.0	0.6	98	28.2		8.0	8.0	18.7	18.7	80.3	80.4	5.6		4.1		3			
					Middle	4.1	0.6	109	27.6	27.6	8.0	8.0	20.9	20.9	73.6	73.8	5.2	5.2	5.9	3				
						4.1	0.6	115	27.6		8.0	8.0	20.9	20.9	73.9	73.9	5.2		5.9	3				
					Bottom	7.2	0.6	95	27.5	27.5	8.0	8.0	20.9	20.9	73.6	73.6	5.2	5.2	6.3	3				
						7.2	0.6	90	27.5		8.0	8.0	20.9	20.9	73.6	73.6	5.2		6.5	3				
IM12	Sunny	Calm	15:28	8.0	Surface	1.0	0.7	111	28.4	28.4	8.0	8.0	18.9	18.9	83.7	83.7	5.9	5.5	4.0	5.4	3	3	821170	811522
						1.0	0.8	117	28.4		8.0	8.0	18.9	18.9	83.6	83.6	5.9		4.0		4			
					Middle	4.0	0.7	94	27.5	27.5	8.0	8.0	20.7	20.7	71.5	71.5	5.0	5.0	5.4	3				
						4.0	0.7	100	27.5		8.0	8.0	20.7	20.7	71.4	71.4	5.0		5.5	3				
					Bottom	7.0	0.7	105	27.2	27.2	8.0	8.0	21.9	21.9	70.3	70.4	4.9	5.0	6.8	3				
						7.0	0.8	97	27.2		8.0	8.0	21.9	21.9	70.4	70.4	5.0		6.8	3				
SR1A	Sunny	Calm	15:56	4.6	Surface	1.0	0.0	112	28.5	28.5	8.0	8.0	18.3	18.4	83.8	83.7	5.9	5.9	3.4	3.9	3	4	819981	812660
						1.0	0.0	112	28.5		8.0	8.0	18.5	18.4	83.6	83.6	5.9		3.6		3			
					Middle	2.3	0.0	93	-	-	-	-	-	-	-	-	-	-	-	-				
						2.3	0.1	100	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.6	0.1	117	28.3	28.3	8.0	8.0	19.1	19.1	78.2	78.3	5.5	5.5	4.2	4				
						3.6	0.1	122	28.3		8.0	8.0	19.1	19.1	78.3	78.3	5.5		4.2	4				
SR2	Sunny	Calm	16:10	4.3	Surface	1.0	0.7	64	27.8	27.8	8.0	8.0	19.7	19.7	79.1	79.1	5.6	5.6	1.3	1.6	4	4	821462	814161
						1.0	0.7	68	27.8		8.0	8.0	19.7	19.7	79.1	79.1	5.6		1.3		3			
					Middle	-	0.7	41	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.6	44	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.3	0.7	62	27.8	27.8	8.0	8.0	19.8	19.8	80.2	80.3	5.6	5.7	1.9	4				
						3.3	0.7	63	27.8		8.0	8.0	19.8	19.8	80.3	80.3	5.7		1.9	4				
SR3	Fine	Moderate	15:37	8.2	Surface	1.0	0.4	149	29.1	29.1	7.8	7.8	18.3	18.3	86.7	86.8	6.0	5.6	3.5	8.6	3	4	822146	807560
						1.0	0.4	143	29.0		7.8	7.8	18.3	18.3	86.9	86.9	6.0		3.5		3			
					Middle	4.1	0.4	151	27.9	27.9	7.8	7.8	21.0	21.0	74.2	74.0	5.2	5.2	11.3	4				
						4.1	0.4	149	27.8		7.8	7.8	21.0	21.0	73.8	73.8	5.2		11.7	4				
					Bottom	7.2	0.5	134	27.7	27.7	7.8	7.8	25.6	25.6	65.6	65.7	4.5	4.5	10.9	4				
						7.2	0.4	128	27.7		7.8	7.8	25.6	25.6	65.7	65.7	4.5		10.8	4				
SR4A	Fine	Moderate	17:18	8.9	Surface	1.0	0.0	350	28.5	28.5	7.8	7.8	22.9	23.0	81.1	81.0	5.6	5.3	7.9	10.5	<2	<2	817177	807833
						1.0	0.0	351	28.4		7.8	7.8	23.0	23.0	80.9	80.9	5.5		8.1		<2			
					Middle	4.5	0.0	354	28.1	28.1	7.8	7.8	24.0	24.0	74.9	74.9	5.1	5.1	10.5	<2				
						4.5	0.1	351	28.1		7.8	7.8	24.1	24.1	74.8	74.8	5.1		10.7	<2				
					Bottom	7.9	0.0	351	28.0	28.0	7.8	7.8	24.6	24.6	68.0	68.1	4.7	4.7	12.8	<2				
						7.9	0.0	351	28.0		7.8	7.8	24.6	24.6	68.1	68.1	4.7		13.0	<2				
SR8	Sunny	Calm	15:33	4.8	Surface	1.0	-	-	28.2	28.2	8.0	8.0	18.9	18.9	78.1	78.1	5.5	5.5	2.1	3.0	4	4	820401	811629
						1.0	-	-	28.1		8.0	8.0	18.9	18.9	78.0	78.0	5.5		2.1		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.8	-	-	27.3	27.3	8.0	8.0	21.4	21.4	71.6	71.6	5.0	5.0	4.0	3				
						3.8	-	-	27.3		8.0	8.0	21.4	21.4	71.6	71.6	5.0		4.0	3				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	09:24	8.2	Surface	1.0	0.3	38	28.0	28.0	7.8	7.8	23.0	23.0	71.1	71.0	4.9	4.7	7.8	8.4	2	3	815602	804224
						1.0	0.3	39	27.9		7.8		23.1		70.8		4.9		8.0					
					Middle	4.1	0.4	35	27.6	27.6	7.8	7.8	25.2	25.2	63.5	63.5	4.4	4.0	8.1	3				
						4.1	0.3	37	27.6		7.8		25.2		63.5		4.4		8.1					
					Bottom	7.2	0.3	39	27.4	27.4	7.8	7.8	26.6	26.6	59.2	59.2	4.0	4.0	9.2	3				
						7.2	0.3	33	27.4		7.8		26.6		59.2		4.0		9.5					
C2	Fine	Moderate	10:47	11.2	Surface	1.0	0.5	352	29.2	29.2	7.8	7.8	18.3	18.3	85.9	85.7	6.0	5.5	4.0	6.5	3	2	825683	806956
						1.0	0.5	346	29.1		7.8		18.3		85.4		5.9		4.1					
					Middle	5.6	0.4	342	28.7	28.7	7.8	7.8	20.7	20.7	72.7	72.7	5.0	5.0	7.0	<2				
						5.6	0.4	344	28.7		7.8		20.7		72.6		5.0		6.6					
					Bottom	10.2	0.5	352	28.7	28.7	7.8	7.8	20.9	20.8	72.4	72.4	5.0	5.0	8.8	<2				
						10.2	0.6	348	28.7		7.8		20.8		72.4		5.0		8.4					
C3	Sunny	Calm	10:09	11.6	Surface	1.0	0.6	252	28.1	28.1	8.2	8.2	18.3	18.3	81.4	81.4	5.7	5.2	1.5	2.4	4	4	822115	817786
						1.0	0.6	246	28.1		8.2		18.3		81.3		5.7		1.5					
					Middle	5.8	0.6	270	26.6	26.6	8.5	8.5	24.2	24.1	65.4	65.6	4.6	4.3	2.1	3				
						5.8	0.6	267	26.6		8.5		24.0		65.8		4.6		2.1					
					Bottom	10.6	0.6	240	25.6	25.6	8.8	8.8	27.2	27.2	61.4	61.4	4.3	4.3	3.5	4				
						10.6	0.6	232	25.6		8.9		27.2		61.4		4.3		3.4					
IM1	Fine	Moderate	09:45	6.0	Surface	1.0	0.2	359	28.9	28.9	7.9	7.9	21.2	21.2	83.7	83.6	5.7	5.6	3.5	5.4	3	3	818340	806477
						1.0	0.2	4	28.9		7.9		21.2		83.5		5.7		3.5					
					Middle	3.0	0.2	16	28.9	28.9	7.8	7.8	21.3	21.3	80.7	80.4	5.5	4.3	5.2	4				
						3.0	0.2	20	28.9		7.8		21.3		80.1		5.5		5.3					
					Bottom	5.0	0.2	0	27.3	27.3	7.8	7.8	26.6	26.6	63.2	63.3	4.3	4.3	7.5	4				
						5.0	0.2	354	27.3		7.8		26.6		63.4		4.3		7.5					
IM2	Fine	Moderate	09:50	6.8	Surface	1.0	0.2	341	28.7	28.7	7.9	7.9	19.8	19.8	83.5	83.4	5.8	5.5	4.0	6.2	3	3	819160	806230
						1.0	0.2	338	28.7		7.9		19.8		83.3		5.8		4.0					
					Middle	3.4	0.2	327	28.6	28.6	7.8	7.8	21.8	21.8	74.0	73.8	5.1	4.1	5.8	2				
						3.4	0.1	329	28.6		7.8		21.8		73.6		5.1		6.0					
					Bottom	5.8	0.2	328	27.2	27.2	7.8	7.8	26.5	26.4	60.1	60.2	4.1	4.1	8.6	2				
						5.8	0.3	329	27.2		7.8		26.4		60.3		4.1		8.6					
IM7	Fine	Moderate	10:20	7.5	Surface	1.0	0.2	326	29.2	29.2	7.9	7.9	19.1	19.1	85.8	85.7	5.9	5.8	4.4	8.1	2	2	821342	806850
						1.0	0.2	331	29.2		7.9		19.1		85.6		5.9		4.6					
					Middle	3.8	0.1	318	28.7	28.7	7.9	7.9	21.4	21.4	82.4	82.4	5.7	5.2	9.1	2				
						3.8	0.1	323	28.6		7.9		21.4		82.3		5.7		9.4					
					Bottom	6.5	0.2	353	28.6	28.6	7.8	7.8	23.2	23.2	75.9	76.0	5.2	5.2	10.4	<2				
						6.5	0.2	351	28.6		7.8		23.2		76.1		5.2		10.8					

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Calm	11:29	9.0	Surface	1.0	0.4	296	28.3	28.3	7.9	7.9	18.2	18.2	80.1	80.1	5.6	5.4	6.1	7.4	3	3	822251	809823
						1.0	0.4	298	28.3		7.9		18.2		80.0		5.6		6.1		3			
					Middle	4.5	0.4	282	27.6	27.6	7.9	7.9	20.7	20.7	71.8	71.9	5.1	5.1	7.1	4	4			
						4.5	0.4	280	27.6		7.9		20.7		72.0		5.1		7.1		3			
					Bottom	8.0	0.5	283	27.4	27.4	7.9	7.9	21.4	21.4	69.9	70.0	4.9	4.9	9.0	4	4			
						8.0	0.4	281	27.4		7.9		21.4		70.0		4.9		9.0		3			
IM11	Sunny	Calm	11:24	8.4	Surface	1.0	0.3	301	28.3	28.3	8.0	8.0	18.3	18.3	79.8	79.8	5.6	5.3	1.9	4.0	4	3	821505	810548
						1.0	0.4	298	28.3		8.0		18.3		79.7		5.6		1.9		3			
					Middle	4.2	0.3	289	27.5	27.5	8.0	8.0	20.8	20.8	71.5	71.5	5.0	5.0	4.3	4	3			
						4.2	0.4	294	27.5		8.0		20.8		71.4		5.0		4.5		4			
					Bottom	7.4	0.4	278	27.3	27.3	8.0	8.0	21.6	21.6	69.3	69.4	4.9	4.9	5.8	3	3			
						7.4	0.4	278	27.3		8.0		21.6		69.5		4.9		5.8		3			
IM12	Sunny	Calm	11:18	8.0	Surface	1.0	0.4	273	28.3	28.3	8.0	8.0	18.7	18.7	78.9	78.9	5.5	5.2	7.4	8.5	3	4	821168	811500
						1.0	0.4	272	28.3		8.0		18.7		78.8		5.5		7.5		4			
					Middle	4.0	0.4	287	27.3	27.3	8.0	8.0	21.5	21.5	69.8	69.8	4.9	4.9	8.1	4	3			
						4.0	0.4	284	27.3		8.0		21.5		69.8		4.9		8.1		4			
					Bottom	7.0	0.4	304	27.0	27.0	8.0	8.0	22.4	22.4	67.0	67.1	4.7	4.7	10.1	4	4			
						7.0	0.4	301	27.0		8.0		22.4		67.1		4.7		10.1		4			
SR1A	Sunny	Calm	10:47	4.4	Surface	1.0	-	198	28.6	28.6	8.0	8.0	16.9	16.9	83.7	83.7	5.9	5.9	2.1	2.9	3	3	819977	812658
						1.0	-	192	28.6		8.0		16.9		83.7		5.9		2.1		2			
					Middle	2.2	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.2	0.1	184	-		-		-		-		-		-		-			
					Bottom	3.4	0.0	200	28.3	28.3	7.9	7.9	18.5	18.5	78.0	78.1	5.5	5.5	3.7	5.5	3			
						3.4	0.0	205	28.3		7.9		18.5		78.1		5.5		3.7		3			
SR2	Sunny	Calm	10:30	4.8	Surface	1.0	0.1	261	28.0	28.0	8.1	8.1	19.0	19.0	76.0	76.0	5.4	5.4	4.0	4.5	3	4	821462	814144
						1.0	0.1	261	28.0		8.1		19.0		75.9		5.4		4.0		3			
					Middle	-	0.1	257	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	255	-		-		-		-		-		-					
					Bottom	3.8	0.1	254	26.9	26.9	8.1	8.1	22.7	22.7	65.5	65.6	4.6	4.6	5.1	4.6	5			
						3.8	0.1	253	26.9		8.1		22.7		65.6		4.6		5.1		4			
SR3	Fine	Moderate	10:27	9.0	Surface	1.0	0.3	348	29.1	29.1	7.9	7.9	18.2	18.2	85.6	85.6	6.0	5.5	3.6	7.7	<2	2	822143	807584
						1.0	0.3	347	29.0		7.9		18.2		85.6		6.0		3.8		<2			
					Middle	4.5	0.2	353	27.8	27.8	7.8	7.8	21.9	21.9	72.7	72.6	5.1	5.1	8.9	4.2	<2			
						4.5	0.3	349	27.8		7.8		21.9		72.4		5.0		8.4		<2			
					Bottom	8.0	0.3	351	27.3	27.3	7.8	7.8	26.5	26.5	60.5	60.6	4.1	4.2	10.9	4.2	2			
						8.0	0.3	353	27.3		7.8		26.5		60.7		4.2		10.4		2			
SR4A	Fine	Moderate	08:57	8.5	Surface	1.0	0.0	177	28.6	28.6	7.8	7.8	21.5	21.5	75.4	75.4	5.2	4.8	5.3	6.3	<2	2	817193	807789
						1.0	0.0	178	28.6		7.8		21.5		75.4		5.2		5.4		<2			
					Middle	4.3	0.0	187	27.9	27.9	7.8	7.8	23.9	23.9	64.6	64.6	4.4	4.4	6.0	4.1	<2			
						4.3	0.0	187	27.8		7.8		23.9		64.6		4.5		6.1		<2			
					Bottom	7.5	0.0	196	27.4	27.4	7.8	7.8	26.5	26.5	59.4	59.5	4.1	4.1	7.4	4.1	2			
						7.5	0.0	192	27.4		7.8		26.5		59.6		4.1		7.3		2			
SR8	Sunny	Calm	11:12	5.4	Surface	1.0	-	-	28.1	28.1	7.9	7.9	18.6	18.6	75.6	75.6	5.3	5.3	3.2	3.9	4	3	820381	811604
						1.0	-	-	28.1		7.9		18.6		75.6		5.3		3.3		3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.4	-	-	28.0	28.0	7.9	7.9	19.2	19.2	75.0	75.1	5.3	5.3	4.6	5.3	3			
						4.4	-	-	28.0		7.9		19.2		75.1		5.3		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 11 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Sunny	Moderate	07:37	8.8	Surface	1.0	0.3	205	30.4	30.4	8.1	8.1	13.8	13.8	113.1	113.1	7.9	7.9	7.7	2.5	4.7	3	4	815606	804247
						1.0	0.3	204	30.4	8.1	8.1	13.8	13.8	113.0	113.0	7.9	7.9	7.7	2.5	4					
					Middle	4.4	0.3	208	28.7	28.7	8.1	8.1	18.6	18.6	108.0	107.7	7.5	7.5	5.3	4	4				
						4.4	0.3	206	28.6	28.6	8.1	8.1	18.7	18.6	107.3	107.7	7.5	7.5	5.3	4	4				
					Bottom	7.8	0.3	223	28.1	28.1	8.0	8.0	23.4	23.4	90.5	90.6	6.2	6.2	6.2	6.2	4	4			
						7.8	0.3	217	28.1	28.1	8.0	8.0	23.4	23.4	90.6	90.6	6.2	6.2	6.3	6.2	4	4			
C2	Sunny	Moderate	09:28	12.0	Surface	1.0	0.5	184	30.2	30.3	8.1	8.1	17.0	16.9	97.8	99.1	6.7	6.7	5.8	2.4	5.3	4	3	825681	806955
						1.0	0.6	189	30.3	30.3	8.1	8.1	16.8	16.9	100.4	100.4	6.9	6.9	5.8	2.4	4				
					Middle	6.0	0.5	178	27.3	27.3	7.9	7.9	26.1	26.2	68.4	68.2	4.7	4.7	3.6	3.6	3	3			
						6.0	0.5	177	27.2	27.2	7.9	7.9	26.2	26.2	68.0	68.0	4.7	4.7	3.6	3.6	3	3			
					Bottom	11.0	0.5	190	26.9	26.9	7.9	7.9	28.5	28.4	59.6	60.0	4.1	4.1	9.9	9.9	3	3			
						11.0	0.4	189	26.9	26.9	7.9	7.9	28.4	28.4	60.4	60.0	4.1	4.1	9.9	9.9	3	3			
C3	Sunny	Moderate	07:07	11.8	Surface	1.0	0.3	67	28.5	28.6	8.2	8.2	19.3	19.3	105.5	105.4	7.4	7.4	6.7	1.4	1.9	3	3	822095	817806
						1.0	0.3	60	28.6	28.6	8.2	8.2	19.3	19.3	105.3	105.4	7.3	7.3	6.7	1.4	2				
					Middle	5.9	0.3	91	27.2	27.2	8.2	8.2	22.5	22.5	86.2	86.2	6.0	6.0	2.0	2.0	3	3			
						5.9	0.3	97	27.2	27.2	8.2	8.2	22.5	22.5	86.2	86.2	6.0	6.0	2.0	2.0	3	3			
					Bottom	10.8	0.3	79	26.6	26.6	8.2	8.2	25.0	25.0	75.4	75.4	5.3	5.3	2.4	2.4	3	3			
						10.8	0.3	79	26.6	26.6	8.2	8.2	25.0	25.0	75.4	75.4	5.3	5.3	2.4	2.4	3	3			
IM1	Sunny	Moderate	08:10	6.6	Surface	1.0	0.2	197	28.5	28.5	8.0	8.0	22.3	22.3	98.5	98.4	6.8	6.8	5.2	3.1	5.6	3	4	818364	806451
						1.0	0.2	199	28.5	28.5	8.0	8.0	22.3	22.3	98.3	98.4	6.7	6.7	5.2	3.1	4				
					Middle	3.3	0.3	181	26.1	26.1	7.8	7.8	29.9	29.9	52.9	53.0	3.6	3.6	3.3	3.3	4	4			
						3.3	0.2	174	26.1	26.1	7.8	7.8	29.9	29.9	53.0	53.0	3.6	3.6	3.3	3.3	4	4			
					Bottom	5.6	0.2	193	25.8	25.8	7.8	7.8	31.1	31.1	55.1	55.4	3.8	3.8	10.2	10.2	4	4			
						5.6	0.3	193	25.8	25.8	7.8	7.8	31.1	31.1	55.6	55.4	3.8	3.8	10.6	10.6	5	5			
IM2	Sunny	Moderate	08:16	7.3	Surface	1.0	0.3	211	29.8	29.8	8.3	8.3	18.9	18.9	134.4	134.3	9.2	9.2	6.6	2.5	4.7	3	4	819198	806212
						1.0	0.3	204	29.7	29.7	8.3	8.3	18.9	18.9	134.2	134.2	9.2	9.2	6.6	2.5	4				
					Middle	3.7	0.3	212	26.3	26.3	7.9	7.9	29.5	29.5	56.5	56.5	3.9	3.9	3.0	3.0	4	4			
						3.7	0.3	215	26.2	26.2	7.9	7.9	29.5	29.5	56.4	56.4	3.9	3.9	2.9	2.9	4	4			
					Bottom	6.3	0.3	187	25.7	25.7	7.8	7.8	31.1	31.1	52.8	52.9	3.6	3.6	8.6	8.6	4	4			
						6.3	0.3	184	25.7	25.7	7.8	7.8	31.1	31.1	53.0	53.0	3.6	3.6	8.7	8.7	4	4			
IM7	Sunny	Moderate	08:50	8.4	Surface	1.0	0.2	195	30.3	30.3	8.2	8.2	16.3	16.3	112.4	112.3	7.7	7.7	7.1	2.2	4.6	3	4	821357	806847
						1.0	0.3	187	30.2	30.2	8.2	8.2	16.3	16.3	112.1	112.1	7.7	7.7	7.1	2.2	3				
					Middle	4.2	0.3	185	29.3	29.3	8.0	8.0	19.2	19.2	94.7	94.6	6.5	6.5	3.5	3.5	4	4			
						4.2	0.3	179	29.2	29.2	8.0	8.0	19.2	19.2	94.5	94.5	6.5	6.5	3.5	3.5	4	4			
					Bottom	7.4	0.2	214	28.5	28.5	7.9	7.9	23.4	23.4	74.3	74.3	5.1	5.1	8.7	8.7	4	4			
						7.4	0.2	206	28.5	28.5	7.9	7.9	23.4	23.4	74.2	74.2	5.1	5.1	8.5	8.5	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 11 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Sunny	Moderate	08:35	8.1	Surface	1.0	0.4	119	29.3	29.3	8.1	8.1	15.3	15.3	111.2	111.2	7.8	7.8	6.7	6.7	1.3	1.3	2	3	822259	809814		
						1.0	0.5	114	29.3		8.1		15.3		111.1		7.8		1.3		2							
					Middle	4.1	0.4	132	28.1	28.1	8.1	8.1	20.5	20.5	80.9	80.9	80.9	80.9	5.6	5.6	4.0	4.0	3.5	3.5			3	3
						4.1	0.4	130	28.1		8.1		20.5		80.9		5.6		3.5		3							
					Bottom	7.1	0.4	146	26.6	26.6	8.3	8.3	25.1	25.2	66.1	66.1	66.1	66.1	4.6	4.6	4.6	4.6	7.1	7.1			2	3
						7.1	0.3	153	26.6		8.3		25.3		66.1		4.6		7.1		3							
IM11	Sunny	Moderate	08:19	7.9	Surface	1.0	0.4	89	29.2	29.2	8.0	8.0	16.5	16.5	113.5	113.5	7.9	7.9	7.6	7.6	1.4	1.4	2	3	821511	810558		
						1.0	0.3	86	29.2		8.0		16.5		113.5		7.9		1.4		3							
					Middle	4.0	0.4	91	28.8	28.8	8.0	8.0	17.8	17.8	104.0	103.9	103.9	103.9	7.3	7.3	2.5	2.5	2.9	2.9			3	3
						4.0	0.4	93	28.8		8.0		17.8		103.8		7.3		2.9		3							
					Bottom	6.9	0.4	117	28.6	28.6	8.0	8.0	18.4	18.4	97.7	97.8	97.8	97.8	6.8	6.8	6.8	6.8	3.3	3.3			3	4
						6.9	0.4	122	28.6		8.0		18.4		97.8		6.8		3.3		4							
IM12	Sunny	Moderate	08:08	7.4	Surface	1.0	0.4	107	29.1	29.1	8.1	8.1	16.7	16.7	110.5	110.4	7.7	7.7	7.3	7.3	1.4	1.4	2	3	821151	811518		
						1.0	0.4	99	29.1		8.1		16.7		110.3		7.7		1.4		2							
					Middle	3.7	0.5	116	28.7	28.7	8.2	8.2	18.3	18.2	96.6	96.6	96.6	96.6	6.8	6.8	3.5	3.5	1.8	1.8			3	4
						3.7	0.4	123	28.7		8.2		18.2		96.5		6.8		1.8		3							
					Bottom	6.4	0.4	79	27.5	27.5	8.2	8.2	22.6	22.6	73.2	73.2	73.2	73.2	5.1	5.1	5.1	5.1	7.2	7.2			4	4
						6.4	0.5	76	27.5		8.2		22.6		73.2		5.1		7.2		4							
SR1A	Sunny	Calm	07:37	4.1	Surface	1.0	-	144	28.9	28.9	8.3	8.3	16.4	16.4	113.0	113.0	8.0	8.0	8.0	8.0	1.5	1.5	3	4	819980	812663		
						1.0	0.1	144	28.9		8.3		16.4		113.0		8.0		1.5		4							
					Middle	2.1	0.0	150	-	-	-	-	-	-	-	-	-	-	-	-	1.7	1.7	-	-			-	3
						2.1	0.0	146	-		-		-		-		-		-		-		-					
					Bottom	3.1	0.0	129	28.6	28.6	8.3	8.3	18.3	18.3	100.9	100.9	100.9	100.9	7.1	7.1	7.1	7.1	1.9	1.9			3	3
						3.1	0.1	123	28.6		8.3		18.3		100.9		7.1		1.9		3							
SR2	Sunny	Moderate	07:24	4.3	Surface	1.0	0.4	36	28.6	28.6	8.2	8.2	19.1	19.1	105.8	105.8	7.4	7.4	7.4	7.4	1.5	1.5	2	3	821444	814167		
						1.0	0.4	40	28.6		8.2		19.1		105.7		7.4		1.5		3							
					Middle	-	0.4	61	-	-	-	-	-	-	-	-	-	-	-	-	1.7	1.7	-	-			-	3
						-	0.4	63	-		-		-		-		-		-		-							
					Bottom	3.3	0.4	21	27.5	27.5	8.2	8.2	22.4	22.4	88.2	88.3	88.3	88.3	6.1	6.2	6.2	6.2	1.9	1.8			2	3
						3.3	0.4	24	27.5		8.2		22.4		88.3		6.2		1.8		3							
SR3	Sunny	Moderate	08:57	8.5	Surface	1.0	0.5	174	29.6	29.6	8.1	8.1	16.6	16.6	105.9	105.7	7.4	7.4	6.7	6.7	2.1	2.1	3	4	822137	807549		
						1.0	0.5	175	29.5		8.1		16.7		105.5		7.3		2.1		4							
					Middle	4.3	0.5	169	28.7	28.7	8.0	7.9	20.2	20.2	88.4	87.9	87.9	87.9	6.1	6.0	2.8	2.8	3.2	3.2			2	3
						4.3	0.6	175	28.7		7.9		20.2		87.3		6.0		3.2		3							
					Bottom	7.5	0.5	165	28.9	29.0	7.8	7.8	23.4	23.3	77.4	78.4	78.4	78.4	5.2	5.3	5.3	5.3	3.1	2.8			3	2
						7.5	0.5	167	29.0		7.9		23.1		79.4		5.4		2.8		2							
SR4A	Sunny	Moderate	07:12	8.9	Surface	1.0	0.0	65	29.9	29.9	8.2	8.2	19.3	19.3	123.7	123.7	8.4	8.4	7.1	7.1	6.2	6.5	2	3	817168	807828		
						1.0	0.0	67	29.9		8.2		19.3		123.6		8.4		6.5		2							
					Middle	4.5	0.0	75	28.6	28.6	8.0	7.9	22.8	22.8	84.7	84.1	84.1	84.1	5.8	5.7	5.5	5.5	4.7	4.8			3	3
						4.5	0.0	70	28.6		7.9		22.9		83.4		5.7		4.8		3							
					Bottom	7.9	0.0	81	25.8	25.8	7.8	7.8	30.9	30.9	49.8	49.9	49.9	49.9	3.4	3.4	3.4	3.4	5.3	5.3			3	3
						7.9	0.0	86	25.8		7.8		30.9		49.9		3.4		5.3		3							
SR8	Sunny	Calm	08:02	3.8	Surface	1.0	-	-	29.2	29.2	8.0	8.0	16.2	16.2	113.9	113.8	8.0	8.0	8.0	8.0	1.4	1.4	2	2	820381	811605		
						1.0	-	-	29.2		8.0		16.2		113.6		8.0		1.4		2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	1.4	-	-			-	2
						-	-	-	-		-		-		-		-		-		-							
					Bottom	2.8	-	-	28.8	28.8	8.0	8.0	17.7	17.7	100.5	100.5	100.5	100.5	7.0	7.0	7.0	7.0	1.4	1.4			2	3
						2.8	-	-	28.8		8.0		17.7		100.5		7.0		1.4		3							

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	13:52	8.5	Surface	1.0	0.2	15	29.9	29.9	8.3	8.3	16.4	16.4	139.1	138.9	9.6	8.5	3.1	3.4	3	4	815633	804260
						1.0	0.2	10	29.9	8.3	8.3	16.3	16.4	138.7	138.9	9.6	8.5	3.1	3.4	2				
					Middle	4.3	0.2	27	29.2	29.3	8.1	8.1	18.8	18.8	105.9	105.6	7.3	4.4	2.8	3	4			
						4.3	0.3	31	29.3	29.3	8.2	8.1	18.8	18.8	105.3	105.6	7.3	4.4	2.8	3	4			
					Bottom	7.5	0.2	21	27.0	27.0	7.8	7.8	27.3	27.3	64.6	64.7	4.4	4.4	4.2	4	4			
						7.5	0.2	20	27.0	27.0	7.8	7.8	27.3	27.3	64.8	64.7	4.4	4.4	4.2	4	5			
C2	Sunny	Moderate	12:22	11.8	Surface	1.0	0.1	218	29.5	29.5	8.0	8.0	17.3	17.3	92.7	92.8	6.4	5.5	2.2	2.8	2	4	825671	806955
						1.0	0.1	211	29.5	29.5	8.0	8.0	17.2	17.3	92.9	92.8	6.4	5.5	2.2	2.8	3			
					Middle	5.9	0.1	212	27.3	27.3	7.9	7.9	26.7	26.8	66.0	65.9	4.5	4.4	2.8	4	4			
						5.9	0.1	209	27.3	27.3	7.9	7.9	26.8	26.8	65.8	65.9	4.5	4.4	2.8	4	4			
					Bottom	10.8	0.1	218	27.1	27.1	7.9	7.9	27.4	27.4	64.5	64.5	4.4	4.4	3.2	4	4			
						10.8	0.1	215	27.1	27.1	7.9	7.9	27.5	27.4	64.5	64.5	4.4	4.4	3.2	4	4			
C3	Sunny	Moderate	13:53	12.8	Surface	1.0	0.4	255	28.7	28.7	8.2	8.2	19.0	19.0	128.6	128.6	8.9	7.1	1.8	4.5	4	4	822132	817817
						1.0	0.4	252	28.7	28.7	8.2	8.2	19.0	19.0	128.5	128.6	8.9	7.1	1.8	4.5	4			
					Middle	6.4	0.3	245	27.1	27.1	8.2	8.2	23.6	23.6	75.7	75.7	5.3	4.6	4.0	3	4			
						6.4	0.4	246	27.1	27.1	8.2	8.2	23.6	23.6	75.6	75.7	5.3	4.6	4.0	3	4			
					Bottom	11.8	0.3	280	25.2	25.2	8.5	8.5	29.0	28.9	65.1	65.2	4.6	4.6	7.9	3	4			
						11.8	0.3	280	25.2	25.2	8.5	8.5	28.9	28.9	65.2	65.2	4.6	4.6	7.9	3	4			
IM1	Sunny	Moderate	13:28	6.2	Surface	1.0	0.1	351	30.6	30.6	8.3	8.3	15.2	15.2	125.4	125.4	8.6	7.1	2.6	5.6	4	3	818333	806472
						1.0	0.1	350	30.6	30.6	8.3	8.3	15.3	15.2	125.3	125.4	8.6	7.1	2.6	5.6	4			
					Middle	3.1	0.1	17	27.9	27.9	7.9	7.9	23.4	23.4	80.8	80.7	5.6	4.6	3.9	3	4			
						3.1	0.1	22	27.8	27.9	7.9	7.9	23.5	23.4	80.6	80.7	5.6	4.6	4.1	3	4			
					Bottom	5.2	0.1	21	27.3	27.4	7.9	7.9	26.0	26.1	67.6	67.6	4.6	4.6	10.0	3	4			
						5.2	0.1	23	27.4	27.4	7.9	7.9	26.1	26.1	67.6	67.6	4.6	4.6	10.6	3	4			
IM2	Sunny	Moderate	13:21	6.9	Surface	1.0	0.0	323	30.8	30.8	8.3	8.3	16.2	16.3	123.3	123.3	8.4	6.7	2.6	4.6	4	4	819173	806229
						1.0	0.1	316	30.7	30.8	8.3	8.3	16.3	16.3	123.2	123.3	8.4	6.7	2.7	4.6	4			
					Middle	3.5	0.1	312	27.4	27.4	7.9	7.9	25.4	25.5	72.4	72.2	5.0	4.1	4.4	3	4			
						3.5	0.1	313	27.3	27.4	7.9	7.9	25.5	25.5	72.0	72.2	5.0	4.1	4.6	3	4			
					Bottom	5.9	0.1	300	26.5	26.5	7.9	7.9	29.1	29.2	59.6	59.5	4.1	4.1	6.4	3	4			
						5.9	0.1	305	26.4	26.5	7.9	7.9	29.2	29.2	59.4	59.5	4.1	4.1	6.8	3	4			
IM7	Sunny	Moderate	12:47	7.8	Surface	1.0	0.2	237	30.0	30.0	8.2	8.2	16.7	16.7	115.3	115.3	8.0	7.3	2.2	2.9	3	3	821364	806847
						1.0	0.2	239	30.0	30.0	8.2	8.2	16.7	16.7	115.3	115.3	8.0	7.3	2.2	2.9	3			
					Middle	3.9	0.2	228	29.0	29.0	8.0	8.0	19.1	19.1	94.9	94.7	6.6	5.5	3.3	3	4			
						3.9	0.3	233	29.0	29.0	8.0	8.0	19.1	19.1	94.4	94.7	6.5	5.5	3.3	3	4			
					Bottom	6.8	0.2	256	28.5	28.5	7.9	7.9	23.3	23.3	80.1	80.2	5.5	5.5	3.4	2	4			
						6.8	0.3	260	28.5	28.5	7.9	7.9	23.2	23.3	80.2	80.2	5.5	5.5	3.3	2	4			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Sunny	Rough	12:14	8.4	Surface	1.0	0.2	263	29.3	29.3	8.2	8.2	15.1	15.1	110.9	110.9	7.8	7.0	1.4	2.5	3	3	822240	809847		
						1.0	0.2	261	29.2	8.2	8.2	15.1	15.1	110.8	110.9	7.8	7.0	1.4	2.5	4						
					Middle	4.2	0.2	264	28.3	28.3	8.2	8.2	19.8	19.8	87.8	87.8	6.1	5.7	1.8	5.7	3				3	
						4.2	0.2	259	28.3	28.3	8.2	8.2	19.9	19.8	87.8	87.8	6.1	5.7	1.9	5.7	4					
					Bottom	7.4	0.2	238	28.0	28.0	8.2	8.2	20.5	20.5	81.5	81.5	5.7	5.7	4.4	5.7	3				3	
						7.4	0.2	232	28.0	28.0	8.2	8.2	20.5	20.5	81.4	81.5	5.7	5.7	4.4	5.7	2					
IM11	Sunny	Rough	12:31	8.1	Surface	1.0	0.3	277	29.0	29.1	8.3	8.3	17.2	16.6	106.0	106.1	7.4	6.8	1.3	2.0	2	3	821499	810523		
						1.0	0.2	281	29.1	29.1	8.3	8.3	16.0	16.6	106.1	106.1	7.5	6.8	1.4	2.0	2					
					Middle	4.1	0.3	293	28.4	28.4	8.3	8.3	19.4	19.4	88.6	88.6	6.2	5.9	2.2	5.9	3				3	
						4.1	0.3	290	28.4	28.4	8.3	8.3	19.4	19.4	88.6	88.6	6.2	5.9	2.2	5.9	3					
					Bottom	7.1	0.3	273	28.3	28.3	8.3	8.3	19.6	19.7	84.2	84.1	5.9	5.9	2.4	5.9	3				3	
						7.1	0.3	274	28.3	28.3	8.3	8.3	19.7	19.7	84.0	84.1	5.9	5.9	2.4	5.9	3					
IM12	Sunny	Rough	12:40	7.9	Surface	1.0	0.3	281	29.1	29.1	8.2	8.2	16.6	16.7	112.0	111.9	7.9	7.4	1.4	1.7	3	3	821159	811515		
						1.0	0.2	286	29.1	29.1	8.2	8.2	16.7	16.7	111.8	111.9	7.8	7.4	1.4	1.7	4					
					Middle	4.0	0.3	276	28.7	28.7	8.2	8.2	18.0	18.0	99.3	99.3	6.9	6.7	1.4	6.7	3				3	
						4.0	0.3	283	28.7	28.7	8.2	8.2	18.0	18.0	99.3	99.3	7.0	6.7	1.4	6.7	3					
					Bottom	6.9	0.3	262	28.6	28.6	8.2	8.2	18.4	18.4	95.5	95.5	6.7	6.7	2.4	6.7	3				3	
						6.9	0.2	256	28.6	28.6	8.2	8.2	18.4	18.4	95.5	95.5	6.7	6.7	2.5	6.7	3					
SR1A	Sunny	Moderate	13:14	5.2	Surface	1.0	0.0	178	29.3	29.3	8.3	8.3	16.4	16.4	126.9	126.8	8.9	8.9	1.4	1.9	4	4	819982	812663		
						1.0	0.1	184	29.2	29.2	8.3	8.3	16.4	16.4	126.7	126.8	8.9	8.9	1.4	1.9	5					
					Middle	2.6	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
						2.6	0.1	191	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	4.2	0.1	192	29.0	29.0	8.3	8.3	17.7	17.7	114.5	114.5	8.0	8.0	1.4	8.0	3				3	
						4.2	0.1	196	29.0	29.0	8.3	8.3	17.7	17.7	114.5	114.5	8.0	8.0	3.3	8.0	3					
SR2	Sunny	Moderate	13:29	5.4	Surface	1.0	0.1	265	29.1	29.1	8.4	8.4	18.9	19.0	139.8	139.8	9.7	9.7	1.6	1.4	3	3	821441	814178		
						1.0	0.1	264	29.0	29.0	8.4	8.4	19.0	19.0	139.7	139.7	9.7	9.7	1.6	1.4	2					
					Middle	-	0.1	282	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
						-	0.1	277	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	4.4	0.1	252	28.8	28.8	8.4	8.4	19.7	19.7	131.6	131.6	9.1	9.1	1.3	9.1	4				3	
						4.4	0.1	259	28.8	28.8	8.4	8.4	19.7	19.7	131.6	131.6	9.1	9.1	1.3	9.1	4					
SR3	Sunny	Moderate	12:41	8.6	Surface	1.0	0.0	245	30.1	30.1	8.2	8.2	16.3	16.3	111.8	111.8	7.7	7.1	2.2	4.2	2	3	822139	807558		
						1.0	0.1	247	30.0	30.0	8.2	8.2	16.3	16.3	111.7	111.8	7.7	7.1	2.2	4.2	2					
					Middle	4.3	0.1	237	28.9	28.9	8.0	8.0	19.5	19.5	95.1	94.6	6.6	6.5	3.0	6.5	3				3	
						4.3	0.0	237	28.8	28.8	8.0	8.0	19.6	19.5	94.0	94.6	6.5	6.5	3.3	6.5	3					
					Bottom	7.6	0.1	233	27.9	27.9	7.8	7.8	25.3	25.3	65.1	65.3	4.4	4.5	7.1	4.5	3				3	
						7.6	0.1	232	27.9	27.9	7.8	7.8	25.3	25.3	65.4	65.3	4.5	4.5	7.5	4.5	4					
SR4A	Sunny	Moderate	14:22	8.8	Surface	1.0	0.0	140	30.2	30.2	8.2	8.2	18.4	18.3	136.0	136.0	9.3	9.0	4.8	5.5	4	3	817187	807804		
						1.0	0.0	139	30.1	30.1	8.2	8.2	18.3	18.3	136.0	136.0	9.3	9.0	4.9	5.5	3					
					Middle	4.4	-	111	29.9	29.9	8.2	8.2	21.3	21.3	128.0	128.0	8.6	8.6	5.4	8.6	2				3	
						4.4	0.0	115	29.9	29.9	8.2	8.2	21.3	21.3	128.0	128.0	8.6	8.6	5.5	8.6	3					
					Bottom	7.8	0.0	134	28.5	28.4	8.1	8.0	22.6	23.7	91.6	87.1	6.2	5.9	6.3	5.9	2				3	
						7.8	0.0	141	28.3	28.4	7.9	8.0	24.8	23.7	82.5	87.1	5.6	5.9	6.3	5.9	3					
SR8	Sunny	Moderate	12:48	5.1	Surface	1.0	-	-	29.3	29.3	8.3	8.3	16.4	16.4	119.4	119.4	8.3	8.3	1.1	2.3	4	3	820386	811609		
						1.0	-	-	29.3	29.3	8.3	8.3	16.4	16.4	119.3	119.4	8.3	8.3	1.1	2.3	3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	4.1	-	-	29.0	29.0	8.2	8.2	17.7	17.7	105.6	105.7	7.4	7.4	3.4	7.4	3				3	
						4.1	-	-	29.0	29.0	8.2	8.2	17.7	17.7	105.7	105.7	7.4	7.4	3.4	7.4	2					

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	09:39	8.2	Surface	1.0	0.5	209	28.9	8.2	8.2	18.5	18.5	145.9	145.8	10.2	9.6	2.8	1.5	4	6	815635	804262	
						1.0	0.5	212	28.8	8.2	8.2	18.6	18.5	145.6	145.8	10.2			1.6	5				
					Middle	4.1	0.5	222	28.7	8.2	8.2	20.4	20.4	129.8	129.4	9.0			1.6	7				
						4.1	0.5	219	28.7	8.2	8.2	20.4	20.4	129.4	129.4	8.9			1.6	6				
					Bottom	7.2	0.5	231	24.7	8.1	8.1	29.5	29.5	51.9	51.9	3.6			5.3	7				
						7.2	0.5	236	24.7	8.1	8.1	29.5	29.5	51.9	51.9	3.6			5.3	7				
C2	Sunny	Moderate	11:15	9.8	Surface	1.0	0.7	181	29.3	8.4	8.4	16.9	16.9	155.1	155.0	10.8	10.1	2.3	2.1	6	7	825672	806947	
						1.0	0.7	173	29.3	8.4	8.4	16.9	16.9	154.9	155.0	10.8			2.1	6				
					Middle	4.9	0.7	170	29.0	8.4	8.4	18.0	18.0	133.7	133.7	9.3			2.0	6				
						4.9	0.7	164	29.0	8.4	8.4	18.0	18.0	133.6	133.6	9.3			2.0	7				
					Bottom	8.8	0.7	176	26.9	8.1	8.1	23.9	23.9	74.6	74.7	5.2			2.7	7				
						8.8	0.7	176	26.9	8.1	8.1	23.9	23.9	74.7	74.7	5.2			2.8	7				
C3	Sunny	Moderate	10:04	12.0	Surface	1.0	0.3	76	29.0	8.4	8.4	22.1	22.1	154.2	154.4	10.5	8.6	2.5	1.9	7	7	822127	817820	
						1.0	0.3	71	29.0	8.4	8.4	22.1	22.1	154.5	154.4	10.5			1.9	7				
					Middle	6.0	0.3	79	27.1	8.1	8.1	27.9	27.9	97.5	97.6	6.6			2.2	7				
						6.0	0.3	84	27.1	8.1	8.1	27.9	27.9	97.7	97.6	6.6			2.2	6				
					Bottom	11.0	0.4	61	25.8	8.0	8.0	31.0	31.1	73.5	71.7	5.0			3.3	8				
						11.0	0.4	54	25.7	8.0	8.0	31.2	31.1	69.8	71.7	4.8			3.3	8				
IM1	Sunny	Moderate	10:04	7.3	Surface	1.0	0.2	178	28.7	8.3	8.3	20.6	20.7	138.3	138.3	9.6	9.6	5.0	5.8	6	6	818350	806477	
						1.0	0.2	177	28.5	8.3	8.3	20.8	20.7	138.3	138.3	9.6			5.8	5				
					Middle	3.7	0.3	189	28.1	8.2	8.2	21.3	21.4	136.9	136.9	9.5			3.7	7				
						3.7	0.3	185	28.1	8.2	8.2	21.4	21.4	136.9	136.9	9.5			3.8	6				
					Bottom	6.3	0.3	188	25.4	8.2	8.2	27.7	27.7	51.6	51.6	3.6			5.5	7				
						6.3	0.3	188	25.4	8.2	8.2	27.7	27.7	51.6	51.6	3.6			5.5	6				
IM2	Sunny	Moderate	10:14	7.1	Surface	1.0	0.3	200	27.1	8.1	8.1	23.9	23.9	95.6	95.5	6.7	6.2	2.5	2.8	7	7	819160	806242	
						1.0	0.3	201	27.1	8.1	8.1	23.9	23.9	95.4	95.5	6.6			2.7	7				
					Middle	3.6	0.4	189	26.5	8.1	8.1	25.3	25.3	82.3	82.4	5.7			2.3	8				
						3.6	0.5	183	26.5	8.1	8.1	25.3	25.3	82.4	82.4	5.8			2.3	7				
					Bottom	6.1	0.4	209	25.4	8.1	8.1	27.6	27.7	57.2	57.2	4.0			2.4	8				
						6.1	0.4	210	25.3	8.1	8.1	27.8	27.7	57.2	57.2	4.0			2.4	7				
IM7	Sunny	Moderate	10:42	7.7	Surface	1.0	0.3	209	27.4	8.0	8.0	23.4	23.4	98.3	98.3	6.8	6.5	2.5	2.6	6	8	821351	806837	
						1.0	0.3	205	27.4	8.0	8.0	23.5	23.4	98.2	98.3	6.8			2.6	7				
					Middle	3.9	0.3	218	26.9	8.0	8.0	24.3	24.3	88.7	88.6	6.2			2.6	7				
						3.9	0.3	223	26.9	8.0	8.0	24.3	24.3	88.5	88.6	6.2			2.6	8				
					Bottom	6.7	0.4	205	25.2	7.9	7.9	28.1	28.1	54.1	54.1	3.8			2.3	9				
						6.7	0.4	204	25.2	7.9	7.9	28.1	28.1	54.1	54.1	3.8			2.3	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 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Sunny	Moderate	11:30	9.8	Surface	1.0	0.5	119	29.9	29.9	8.4	8.4	18.0	18.0	144.4	144.4	9.9	8.0	3.4	4.9	7	7	822259	809837				
						1.0	0.6	126	29.9	8.4	8.4	18.0	18.0	144.4	144.4	9.9	8.0	3.3	4.9	8	7							
					Middle	4.9	0.5	127	28.4	28.4	8.0	8.0	23.9	23.9	88.7	88.8	6.0	6.0	5.0	7	6	7			6			
						4.9	0.5	128	28.4	26.2	7.9	7.9	30.1	30.1	88.8	56.0	3.8	3.8	6.4	7	6	7						
					Bottom	8.8	0.5	135	26.2	26.2	7.9	7.9	30.1	30.1	56.0	56.0	3.8	3.8	6.4	7	6	7						
						8.8	0.5	139	26.2	26.2	7.9	7.9	30.2	30.1	55.9	56.0	3.8	3.8	6.4	7	6	7						
IM11	Sunny	Moderate	11:22	8.0	Surface	1.0	0.4	99	30.8	30.8	8.5	8.5	17.5	17.5	165.9	162.8	11.2	9.0	2.0	3.5	6	6	821482	810558				
						1.0	0.4	92	30.8	8.5	8.5	17.5	17.5	159.6	162.8	10.8	9.0	2.1	3.5	6	6							
					Middle	4.0	0.5	120	28.9	28.9	8.1	8.1	22.2	22.2	103.1	103.1	7.0	7.0	3.4	4.5	6	6						
						4.0	0.5	117	28.9	27.4	8.1	8.1	22.2	22.2	103.1	103.1	7.0	7.0	3.3	4.5	6	6						
					Bottom	7.0	0.4	102	27.4	27.4	7.9	7.9	26.8	26.9	66.2	66.1	4.5	4.5	5.0	4.5	7	6						
						7.0	0.5	102	27.3	27.4	7.9	7.9	27.0	26.9	66.0	66.1	4.5	4.5	5.0	4.5	6	6						
IM12	Sunny	Moderate	11:15	7.2	Surface	1.0	0.5	115	30.6	30.6	8.5	8.5	17.6	17.6	167.9	167.8	11.4	10.3	2.0	2.7	6	6	821184	811537				
						1.0	0.6	111	30.6	8.5	8.5	17.6	17.6	167.6	167.8	11.4	10.3	2.0	2.7	6	6							
					Middle	3.6	0.5	103	29.7	29.7	8.3	8.3	20.0	20.0	135.4	135.4	9.2	9.2	2.3	7.4	6	6						
						3.6	0.5	99	29.7	28.6	8.3	8.3	20.0	21.5	135.4	107.6	9.2	7.4	2.3	7.4	7	6						
					Bottom	6.2	0.5	111	28.6	28.6	8.2	8.2	21.3	21.5	110.1	107.6	7.6	7.4	3.7	7.4	7	6						
						6.2	0.5	113	28.6	28.6	8.2	8.2	21.6	21.5	105.1	107.6	7.2	7.4	3.7	7.4	6	6						
SR1A	Sunny	Moderate	10:44	4.4	Surface	1.0	0.0	142	30.2	30.2	8.5	8.5	18.4	18.5	172.3	172.1	11.7	11.7	2.3	2.6	7	7	819982	812663				
						1.0	0.0	148	30.1	30.2	8.5	8.5	18.5	18.5	171.9	172.1	11.7	11.7	2.4	2.6	7	7						
					Middle	2.2	-	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
						2.2	0.0	121	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
					Bottom	3.4	0.0	133	29.5	29.5	8.3	8.3	21.9	21.9	127.5	127.4	8.6	8.6	2.8	8.6	6	6						
						3.4	0.0	135	29.4	29.5	8.3	8.3	21.9	21.9	127.3	127.4	8.6	8.6	3.0	8.6	7	6						
SR2	Sunny	Moderate	10:29	5.0	Surface	1.0	0.5	47	30.9	30.9	8.5	8.5	17.8	17.8	165.4	162.1	11.2	11.0	2.4	3.1	7	6	821439	814170				
						1.0	0.5	53	30.9	8.5	8.5	17.8	17.8	158.7	162.1	10.7	11.0	2.5	3.1	6	6							
					Middle	-	0.5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
						-	0.5	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	6	6
					Bottom	4.0	0.5	64	28.6	28.6	8.1	8.1	23.6	23.6	100.2	100.2	6.8	6.8	3.8	6.8	6	6						
						4.0	0.5	70	28.6	28.6	8.1	8.1	23.6	23.6	100.2	100.2	6.8	6.8	3.9	6.8	6	6						
SR3	Sunny	Moderate	10:54	8.5	Surface	1.0	0.6	177	29.5	29.5	8.2	8.2	15.4	15.4	168.5	168.3	11.8	11.0	2.2	2.7	6	6	822145	807590				
						1.0	0.6	171	29.5	29.5	8.2	8.2	15.4	15.4	168.1	168.3	11.8	11.0	2.2	2.7	6	6						
					Middle	4.3	0.6	160	29.3	29.3	8.2	8.2	17.0	17.0	147.4	147.2	10.3	10.2	2.2	4.2	6	6						
						4.3	0.7	155	29.3	26.2	8.2	8.2	16.9	25.7	147.0	60.4	10.2	4.2	2.2	4.2	6	6						
					Bottom	7.5	0.7	183	26.2	26.2	8.2	8.2	25.7	25.8	60.4	60.4	4.2	4.2	3.8	4.2	7	6						
						7.5	0.6	186	26.1	26.2	8.2	8.2	25.8	25.8	60.3	60.4	4.2	4.2	3.8	4.2	7	6						
SR4A	Sunny	Moderate	09:07	9.9	Surface	1.0	0.0	86	28.7	28.7	8.2	8.2	19.7	19.7	127.7	127.8	8.9	8.2	3.5	3.6	6	6	817212	807827				
						1.0	0.0	82	28.7	8.2	8.2	19.7	19.7	127.8	127.8	8.9	8.2	3.5	3.6	6	6							
					Middle	5.0	0.0	87	28.1	28.1	8.1	8.1	21.2	21.2	107.6	107.3	7.4	7.4	3.8	4.2	6	6						
						5.0	0.1	88	28.1	26.4	8.1	8.1	21.2	25.5	106.9	59.6	7.4	4.2	3.8	4.2	6	6						
					Bottom	8.9	0.0	69	26.3	26.4	8.1	8.1	25.6	25.5	59.0	59.6	4.1	4.2	3.3	4.2	6	6						
						8.9	0.1	61	26.5	26.4	8.1	8.1	25.5	25.5	60.1	59.6	4.2	4.2	3.4	4.2	7	6						
SR8	Sunny	Moderate	11:09	5.0	Surface	1.0	-	-	31.0	31.0	8.6	8.6	17.8	17.8	176.4	176.3	11.9	11.9	2.1	2.8	7	7	820375	811619				
						1.0	-	-	31.0	8.6	8.6	17.8	17.8	176.2	176.3	11.9	11.9	2.2	2.8	6	7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	7
					Bottom	4.0	-	-	30.0	30.1	8.4	8.4	18.9	18.9	144.7	144.3	9.9	9.9	3.4	9.9	7	7						
						4.0	-	-	30.1	30.1	8.4	8.4	19.0	18.9	143.8	144.3	9.8	9.9	3.4	9.9	7	7						

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Sunny	Rough	17:19	7.3	Surface	1.0	0.3	34	28.9	28.9	8.3	8.3	20.3	20.3	140.2	140.0	9.6	8.7	2.3	2.5	6	7	815605	804240	
						1.0	0.3	35	28.9	8.3	8.3	20.3	20.3	139.8	140.0	9.6	8.7	2.3	2.5	6	7				
					Middle	3.7	0.3	19	27.2	27.2	8.3	8.3	23.1	23.2	109.9	109.9	7.7	3.3	3.3	1.9	2.1	6			7
						3.7	0.4	14	27.1	27.2	8.3	8.3	23.2	23.2	109.9	109.9	7.7	3.3	3.3	1.9	2.1	7			7
					Bottom	6.3	0.3	28	24.4	24.4	8.2	8.2	30.0	30.0	46.5	46.6	3.3	6.9	6.9	3.4	2.1	6			7
						6.3	0.3	26	24.4	24.4	8.2	8.2	30.0	30.0	46.7	46.6	3.3	6.9	6.9	3.4	2.1	8			7
C2	Sunny	Rough	15:31	9.1	Surface	1.0	0.1	324	29.3	29.3	8.3	8.3	15.7	15.7	154.7	154.6	10.9	9.1	2.5	2.1	8	7	825666	806943	
						1.0	0.0	330	29.3	29.3	8.3	8.3	15.7	15.7	154.5	154.6	10.9	9.1	2.5	2.1	7	7			
					Middle	4.6	0.1	327	28.3	28.3	8.2	8.2	20.3	20.3	102.7	102.7	7.2	6.9	6.9	2.3	2.1	6			7
						4.6	0.0	328	28.3	28.3	8.2	8.2	20.3	20.3	102.7	102.7	7.2	6.9	6.9	2.3	2.1	7			7
					Bottom	8.1	0.1	336	27.9	27.9	8.2	8.2	21.3	21.3	98.5	98.6	6.9	6.9	6.9	1.6	2.1	6			7
						8.1	0.0	336	27.9	27.9	8.2	8.2	21.3	21.3	98.6	98.6	6.9	6.9	6.9	1.6	2.1	6			7
C3	Sunny	Moderate	16:45	9.8	Surface	1.0	0.3	251	29.1	29.1	8.4	8.4	22.5	22.5	151.2	151.2	10.3	9.2	1.1	1.4	8	7	822125	817797	
						1.0	0.3	254	29.1	29.1	8.4	8.4	22.5	22.5	151.1	151.2	10.2	9.2	1.1	1.4	7	7			
					Middle	4.9	0.3	245	28.2	28.2	8.2	8.2	24.1	24.1	118.3	118.1	8.1	6.1	6.1	1.1	1.4	7			7
						4.9	0.2	250	28.1	28.2	8.2	8.2	24.1	24.1	117.8	118.1	8.1	6.1	6.1	1.1	1.4	7			7
					Bottom	8.8	0.3	256	27.4	27.4	8.0	8.0	27.0	27.0	90.0	89.9	6.1	6.1	6.1	1.9	1.4	6			7
						8.8	0.3	261	27.4	27.4	8.0	8.0	27.0	27.0	89.7	89.9	6.1	6.1	6.1	2.0	1.4	7			7
IM1	Sunny	Moderate	16:47	6.7	Surface	1.0	0.2	23	28.5	28.5	8.2	8.2	21.2	21.2	147.9	147.9	10.2	8.2	2.7	2.7	8	7	818351	806473	
						1.0	0.3	25	28.5	28.5	8.2	8.2	21.2	21.2	147.8	147.9	10.2	8.2	2.7	2.7	6	7			
					Middle	3.4	0.2	18	26.5	26.5	8.3	8.3	25.2	25.2	86.8	86.9	6.1	3.9	3.9	2.2	2.5	6			6
						3.4	0.2	11	26.5	26.5	8.3	8.3	25.2	25.2	86.9	86.9	6.1	3.9	3.9	2.2	2.5	7			6
					Bottom	5.7	0.2	349	25.6	25.6	8.2	8.2	27.4	27.4	55.2	55.1	3.9	3.9	3.9	3.3	2.5	6			6
						5.7	0.3	350	25.5	25.6	8.2	8.2	27.4	27.4	54.9	55.1	3.9	3.9	3.9	3.3	2.5	7			6
IM2	Sunny	Moderate	16:35	6.9	Surface	1.0	0.2	335	28.4	28.4	8.3	8.3	21.5	21.5	146.5	146.5	10.1	7.1	2.5	2.5	6	6	819194	806228	
						1.0	0.1	340	28.4	28.4	8.3	8.3	21.5	21.5	146.4	146.5	10.1	7.1	2.5	2.5	7	6			
					Middle	3.5	0.2	336	25.6	25.6	8.2	8.2	27.2	27.3	58.6	58.6	4.1	3.7	3.7	2.3	2.5	7			6
						3.5	0.2	337	25.6	25.6	8.2	8.2	27.3	27.3	58.6	58.6	4.1	3.7	3.7	2.4	2.5	6			6
					Bottom	5.9	0.2	335	25.1	25.1	8.2	8.2	28.3	28.3	52.3	52.2	3.7	3.9	3.9	2.6	2.5	6			6
						5.9	0.2	330	25.1	25.1	8.2	8.2	28.3	28.3	52.1	52.2	3.7	3.9	3.9	2.7	2.5	6			6
IM7	Sunny	Rough	16:09	7.1	Surface	1.0	0.2	268	29.4	29.4	8.2	8.2	15.6	15.6	158.3	158.2	11.1	10.8	2.3	3.2	6	6	821366	806829	
						1.0	0.2	265	29.4	29.4	8.2	8.2	15.6	15.6	158.1	158.2	11.1	10.8	2.3	3.2	6	6			
					Middle	3.6	0.1	247	29.2	29.2	8.3	8.3	16.7	16.7	148.7	148.5	10.4	3.9	3.9	2.7	3.2	6			6
						3.6	0.1	244	29.2	29.2	8.3	8.3	16.7	16.7	148.3	148.5	10.4	3.9	3.9	2.8	3.2	6			6
					Bottom	6.1	0.1	252	25.8	25.8	8.3	8.3	26.4	26.4	55.9	56.0	3.9	3.9	3.9	4.5	3.2	6			6
						6.1	0.1	255	25.8	25.8	8.3	8.3	26.4	26.4	56.1	56.0	3.9	3.9	3.9	4.4	3.2	7			6

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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	Moderate	15:30	8.6	Surface	1.0	0.3	286	29.5	29.5	8.4	8.4	18.5	18.5	137.4	137.6	9.5	7.7	2.3	3.5	6	7	822222	809830				
						1.0	0.3	280	29.5	8.4	8.4	18.5	18.5	137.7	137.6	9.5	7.7	2.4	3.5	7	7							
					Middle	4.3	0.2	256	28.3	28.3	8.0	8.0	23.9	23.9	85.9	86.2	5.9	4.8	3.7	3.5	7	7						
						4.3	0.3	252	28.3	28.3	8.0	8.0	23.8	23.9	86.4	86.2	5.9	4.8	3.7	3.5	7	7						
					Bottom	7.6	0.3	296	27.6	27.6	7.9	7.9	26.0	26.0	70.5	70.5	4.8	4.8	4.4	4.8	4.4	4.8			7	7		
						7.6	0.3	300	27.6	27.6	7.9	7.9	26.1	26.0	70.4	70.5	4.8	4.8	4.4	4.8	4.4	4.8			6	7		
IM11	Sunny	Moderate	15:39	8.4	Surface	1.0	0.3	276	29.8	29.8	8.4	8.4	18.1	18.1	143.3	143.2	9.8	7.7	2.3	3.6	6	7	821520	810555				
						1.0	0.4	275	29.8	29.8	8.4	8.4	18.1	18.1	143.0	143.2	9.8	7.7	2.3	3.6	6	7						
					Middle	4.2	0.4	273	28.1	28.1	8.0	8.0	24.4	24.4	80.9	81.0	5.5	4.1	4.0	4.1	3.9	4.1			6	7		
						4.2	0.4	268	28.1	28.1	8.0	8.0	24.4	24.4	81.0	81.0	5.5	4.1	3.9	4.1	4.6	4.1			6	7		
					Bottom	7.4	0.3	290	26.9	26.9	7.9	7.9	28.2	28.2	60.3	60.2	4.1	4.1	4.6	4.1	4.6	4.1			7	7		
						7.4	0.3	292	26.9	26.9	7.9	7.9	28.2	28.2	60.1	60.2	4.1	4.1	4.5	4.1	4.5	4.1			7	7		
IM12	Sunny	Moderate	15:44	7.6	Surface	1.0	0.3	293	30.5	30.5	8.5	8.5	18.2	18.2	176.3	176.3	12.0	10.3	2.2	2.8	7	6	821161	811537				
						1.0	0.3	292	30.5	30.5	8.5	8.5	18.2	18.2	176.3	176.3	12.0	10.3	2.2	2.8	6	6						
					Middle	3.8	0.3	294	29.5	29.5	8.2	8.2	20.8	20.8	125.5	125.7	8.5	7.3	3.0	7.3	5	7.3			6	6		
						3.8	0.3	296	29.5	29.5	8.2	8.2	20.8	20.8	125.8	125.7	8.6	7.3	3.0	7.3	5	7.3			6	6		
					Bottom	6.6	0.4	299	28.8	28.8	8.1	8.1	22.3	22.3	107.1	107.0	7.3	7.3	3.1	7.3	3.1	7.3			5	7.3		
						6.6	0.4	305	28.8	28.8	8.1	8.1	22.4	22.3	106.9	107.0	7.3	7.3	3.1	7.3	3.1	7.3			6	7.3		
SR1A	Sunny	Moderate	16:05	4.6	Surface	1.0	0.0	184	30.5	30.5	8.5	8.5	18.8	18.8	179.3	179.3	12.1	12.1	1.3	1.8	6	7	819980	812666				
						1.0	0.1	190	30.4	30.5	8.5	8.5	18.8	18.8	179.2	179.3	12.1	12.1	1.3	1.8	6	7						
					Middle	2.3	0.0	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	
						2.3	0.0	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	
					Bottom	3.6	0.0	194	30.2	30.2	8.5	8.5	19.4	19.4	171.7	171.7	11.6	11.6	2.2	11.6	2.2	11.6			7	11.6		
						3.6	-	189	30.2	30.2	8.5	8.5	19.4	19.4	171.7	171.7	11.6	11.6	2.2	11.6	2.2	11.6			7	11.6		
SR2	Sunny	Moderate	16:23	4.8	Surface	1.0	0.1	263	30.6	30.7	8.6	8.5	17.7	17.7	183.3	183.5	12.4	12.5	2.3	2.9	7	7	821443	814179				
						1.0	0.1	268	30.7	30.7	8.5	8.5	17.6	17.7	183.7	183.5	12.4	12.5	2.2	2.9	7	7						
					Middle	-	0.1	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
						-	0.1	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
					Bottom	3.8	0.1	295	30.1	30.1	8.4	8.4	19.1	19.1	156.4	156.2	10.6	10.6	3.6	10.6	3.5	10.6			6	10.6		
						3.8	0.1	289	30.1	30.1	8.4	8.4	19.1	19.1	156.0	156.2	10.6	10.6	3.5	10.6	3.5	10.6			6	10.6		
SR3	Sunny	Rough	15:56	7.8	Surface	1.0	0.1	239	28.9	28.9	8.3	8.3	17.0	17.0	138.9	138.9	9.8	8.4	2.6	3.0	6	7	822125	807590				
						1.0	0.0	236	28.9	28.9	8.3	8.3	16.9	17.0	138.8	138.9	9.8	8.4	2.6	3.0	6	7						
					Middle	3.9	0.1	264	28.3	28.3	8.2	8.2	20.1	20.1	101.1	101.1	7.0	7.0	2.4	7.0	2.4	7.0			7	7		
						3.9	0.2	266	28.3	28.3	8.2	8.2	20.1	20.1	101.0	101.1	7.0	7.0	2.4	7.0	2.4	7.0			7	7		
					Bottom	6.8	0.0	229	26.3	26.3	8.1	8.1	24.3	24.3	66.6	66.4	4.7	4.7	4.0	4.7	4.0	4.7			7	4.7		
						6.8	0.1	225	26.2	26.3	8.1	8.1	24.3	24.3	66.1	66.4	4.7	4.7	4.0	4.7	4.0	4.7			7	4.7		
SR4A	Sunny	Moderate	17:40	8.8	Surface	1.0	0.0	129	29.5	29.5	8.3	8.3	20.1	20.1	147.2	147.2	10.1	8.0	7.0	7.6	5	6	817168	807828				
						1.0	0.0	132	29.5	29.5	8.3	8.3	20.1	20.1	147.2	147.2	10.1	8.0	7.1	7.6	6	6						
					Middle	4.4	0.0	122	27.3	27.3	8.1	8.1	23.7	23.7	84.5	84.5	5.9	5.9	6.5	5.9	6.5	5.9			6	6		
						4.4	0.1	119	27.3	27.3	8.1	8.1	23.6	23.7	84.5	84.5	5.9	5.9	6.5	5.9	6.5	5.9			6	6		
					Bottom	7.8	0.0	127	25.7	25.7	8.0	8.0	27.1	27.1	51.9	51.9	3.6	3.6	9.3	3.6	9.3	3.6			7	3.6		
						7.8	0.0	131	25.7	25.7	8.0	8.0	27.1	27.1	51.9	51.9	3.6	3.6	9.2	3.6	9.2	3.6			7	3.6		
SR8	Sunny	Moderate	15:49	4.8	Surface	1.0	-	-	30.9	30.9	8.6	8.6	17.9	17.9	182.9	182.6	12.4	12.4	3.9	4.9	6	7	820385	811600				
						1.0	-	-	30.9	30.9	8.6	8.6	17.9	17.9	182.3	182.6	12.3	12.4	3.9	4.9	6	7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
					Bottom	3.8	-	-	30.2	30.3	8.4	8.4	19.1	19.1	147.0	146.9	10.0	10.0	5.9	10.0	5.9	10.0			8	10.0		
						3.8	-	-	30.3	30.3	8.4	8.4	19.1	19.1	146.7	146.9	9.9	9.9	5.9	10.0	5.9	10.0			8	10.0		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Rough	10:51	8.1	Surface	1.0	0.5	220	<u>28.5</u>	28.5	8.3	8.3	<u>22.4</u>	22.4	99.2	99.1	6.8	5.2	1.1	1.3	<u><2</u>	2	815615	804232
						1.0	0.5	227	28.5		8.3		22.4	98.9	6.8	1.2	<2							
					Middle	4.1	0.5	213	<u>26.0</u>	8.1	8.1	<u>27.6</u>	27.6	50.7	50.7	3.5	3.5	1.4	<2					
						4.1	0.5	218	26.0	8.1	8.1	27.6	27.6	50.7	50.7	3.5	3.5	1.5	<2					
					Bottom	7.1	0.5	210	<u>24.7</u>	8.0	8.0	<u>30.5</u>	30.5	50.0	50.0	3.5	3.5	1.2	<2					
						7.1	0.5	216	24.7	8.0	8.0	30.5	30.5	50.0	50.0	3.5	3.5	1.3	2					
C2	Sunny	Moderate	12:37	10.0	Surface	1.0	0.8	161	<u>30.1</u>	30.1	8.4	8.4	<u>17.1</u>	17.1	134.4	134.1	9.2	7.3	1.2	1.6	2	2	825703	806961
						1.0	0.9	166	30.0		8.4		17.1	133.7	9.2	1.2	2							
					Middle	5.0	0.8	174	<u>27.9</u>	8.2	8.2	<u>23.3</u>	23.3	78.2	78.1	5.4	5.4	1.6	2					
						5.0	0.8	168	27.9	8.2	8.2	23.3	23.3	77.9	77.9	5.4	5.4	1.6	2					
					Bottom	9.0	0.8	163	<u>26.2</u>	8.0	8.0	<u>27.3</u>	27.3	59.9	60.3	4.2	4.2	2.0	<2					
						9.0	0.8	164	26.2	8.0	8.0	27.3	27.3	60.6	60.3	4.2	4.2	2.0	2					
C3	Sunny	Moderate	11:49	11.0	Surface	1.0	0.3	61	<u>28.1</u>	28.2	8.3	8.3	<u>21.9</u>	21.9	116.5	116.6	8.1	7.1	1.1	1.3	5	6	822110	817817
						1.0	0.4	64	28.2		8.3		21.9	116.6	8.1	1.1	6							
					Middle	5.5	0.3	59	<u>26.8</u>	8.3	8.3	<u>25.5</u>	25.5	88.0	88.0	6.1	6.1	1.2	5					
						5.5	0.3	61	26.7	8.3	8.3	25.5	25.5	87.9	87.9	6.1	6.1	1.2	6					
					Bottom	10.0	0.4	51	<u>25.5</u>	8.4	8.4	<u>28.4</u>	28.4	66.9	66.8	4.7	4.7	1.5	6					
						10.0	0.4	44	25.5	8.4	8.4	28.4	28.4	66.6	66.8	4.6	4.6	1.4	6					
IM1	Sunny	Moderate	11:19	7.7	Surface	1.0	0.4	192	<u>28.9</u>	28.9	8.3	8.3	<u>21.4</u>	21.4	106.2	106.2	7.3	6.9	1.3	2.4	<2	2	818328	806470
						1.0	0.4	194	28.9		8.3		21.3	106.2	7.3	1.3	2							
					Middle	3.9	0.3	183	<u>28.5</u>	8.3	8.3	<u>21.6</u>	21.6	93.8	93.8	6.5	6.5	2.4	<2					
						3.9	0.4	184	28.5	8.3	8.3	21.6	21.6	93.8	93.8	6.5	6.5	2.3	<2					
					Bottom	6.7	0.4	212	<u>25.6</u>	8.1	8.1	<u>28.5</u>	28.5	54.8	54.8	3.8	3.8	3.6	<2					
						6.7	0.4	209	25.6	8.1	8.1	28.6	28.5	54.8	54.8	3.8	3.8	3.7	<2					
IM2	Sunny	Moderate	11:26	7.8	Surface	1.0	0.5	203	<u>30.2</u>	30.2	8.4	8.4	<u>17.9</u>	17.9	123.5	123.5	8.4	7.2	1.1	1.2	<2	2	819195	806245
						1.0	0.5	209	30.2		8.4		17.9	123.5	8.4	1.1	2							
					Middle	3.9	0.5	187	<u>28.0</u>	8.3	8.3	<u>23.4</u>	23.3	86.6	86.5	6.0	6.0	1.2	<2					
						3.9	0.4	183	28.0	8.3	8.3	23.3	23.3	86.3	86.3	5.9	5.9	1.2	<2					
					Bottom	6.8	0.5	200	<u>26.1</u>	8.1	8.1	<u>27.7</u>	27.7	52.3	52.7	3.6	3.6	1.4	<2					
						6.8	0.5	197	26.1	8.1	8.1	27.7	27.7	53.0	53.0	3.7	3.7	1.4	<2					
IM7	Sunny	Moderate	11:53	8.2	Surface	1.0	0.4	199	<u>30.1</u>	30.1	8.5	8.5	<u>17.2</u>	17.2	136.8	136.5	9.4	8.6	1.3	2.4	3	3	821371	806853
						1.0	0.4	199	30.1		8.5		17.2	136.2	9.4	1.3	3							
					Middle	4.1	0.4	198	<u>28.6</u>	8.3	8.3	<u>21.2</u>	21.1	110.9	111.1	7.7	7.7	2.2	4					
						4.1	0.4	194	28.5	8.3	8.3	21.0	21.0	111.3	111.3	7.7	7.7	2.2	3					
					Bottom	7.2	0.3	189	<u>27.5</u>	8.2	8.2	<u>23.4</u>	23.4	79.4	79.2	5.5	5.5	3.6	3					
						7.2	0.3	189	27.4	8.2	8.2	23.5	23.4	78.9	78.9	5.5	5.5	3.6	3					

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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 15 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Moderate	13:15	9.6	Surface	1.0	0.6	126	29.1	29.1	8.5	8.5	18.3	18.3	127.1	126.8	8.8	7.3	1.2	2.7	5	6	822237	809840		
						1.0	0.6	121	29.1		8.5		18.3		126.5		8.8		1.3		6					
					Middle	4.8	0.6	132	27.0	27.0	8.4	8.4	23.6	23.6	81.4	81.4	5.7	4.7	3.0	4.7	5				4.7	5
						4.8	0.6	125	27.0		8.4		23.7		81.3		5.7		5							
					Bottom	8.6	0.6	142	26.5	26.5	8.4	8.4	25.4	25.4	66.9	66.9	4.7	6.4	3.8	6.4	6				6.4	6
						8.6	0.6	142	26.5		8.4		25.4		66.9		4.7		6							
IM11	Misty	Moderate	13:07	8.0	Surface	1.0	0.6	116	28.8	28.8	8.6	8.6	19.6	19.7	125.5	125.3	8.7	7.9	1.4	2.4	5	5	821508	810563		
						1.0	0.6	123	28.8		8.6		19.7		125.1		8.7		1.4		5					
					Middle	4.0	0.6	112	27.5	27.5	8.5	8.5	23.6	23.7	102.8	102.5	7.1	6.4	2.6	6.4	5				6.4	5
						4.0	0.6	108	27.4		8.5		23.8		102.1		7.1		5							
					Bottom	7.0	0.5	131	27.2	27.2	8.4	8.4	24.5	24.5	92.6	92.6	6.4	6.4	3.3	6.4	6				6.4	6
						7.0	0.6	127	27.2		8.4		24.5		92.5		6.4		6							
IM12	Misty	Moderate	13:00	7.4	Surface	1.0	0.6	107	29.5	29.5	8.6	8.6	17.5	17.5	133.6	133.7	9.2	8.3	1.0	1.8	4	6	821178	811518		
						1.0	0.6	107	29.5		8.6		17.5		133.7		9.3		1.1		5					
					Middle	3.7	0.6	97	28.0	28.0	8.5	8.5	21.6	21.6	104.9	104.5	7.3	5.2	2.1	5.2	5				5.2	6
						3.7	0.6	93	28.0		8.5		21.6		104.0		7.2		6							
					Bottom	6.4	0.6	78	26.8	26.9	8.5	8.5	25.5	25.5	74.6	75.1	5.2	6.4	2.3	6.4	7				6.4	7
						6.4	0.6	77	26.9		8.5		25.5		75.6		5.2		8							
SR1A	Sunny	Moderate	12:29	4.2	Surface	1.0	0.0	119	28.8	28.8	8.6	8.6	20.2	20.2	128.8	128.8	8.9	8.9	1.9	2.1	7	6	819979	812655		
						1.0	0.0	117	28.8		8.6		20.2		128.7		8.9		2.0		7					
					Middle	2.1	0.1	111	-	-	-	-	-	-	-	-	-	8.6	-	8.6	-				8.6	-
						2.1	0.0	106	-		-		-		-		-		-							
					Bottom	3.2	0.1	137	28.6	28.6	8.6	8.6	20.9	20.9	124.6	124.8	8.6	8.6	2.3	8.6	6				8.6	6
						3.2	0.1	130	28.6		8.6		20.8		124.9		8.6		5							
SR2	Sunny	Moderate	12:14	5.2	Surface	1.0	0.6	52	29.0	29.0	8.6	8.6	18.5	18.5	150.7	150.6	10.5	10.5	1.2	1.4	6	6	821462	814149		
						1.0	0.6	47	28.9		8.6		18.6		150.4		10.5		1.2		5					
					Middle	-	0.6	39	-	-	-	-	-	-	-	-	-	8.2	-	8.2	-				8.2	-
						-	0.7	41	-		-		-		-		-		-							
					Bottom	4.2	0.6	32	28.2	28.2	8.6	8.6	21.3	21.3	115.7	117.7	8.0	6.4	1.6	6.4	6				6.4	6
						4.2	0.6	25	28.2		8.6		21.3		119.6		8.3		5							
SR3	Sunny	Moderate	12:07	8.6	Surface	1.0	0.8	160	30.5	30.5	8.5	8.5	16.5	16.5	134.6	134.5	9.2	7.8	3.3	3.9	3	3	822150	807557		
						1.0	0.8	156	30.5		8.5		16.5		134.3		9.2		3.3		3					
					Middle	4.3	0.8	160	28.3	28.3	8.2	8.2	22.3	22.3	91.6	91.4	6.3	4.4	3.4	4.4	3				4.4	3
						4.3	0.7	158	28.3		8.2		22.3		91.1		6.3		3.4		2					
					Bottom	7.6	0.7	175	26.9	26.9	8.0	8.0	25.9	25.9	63.9	64.2	4.4	6.3	5.0	6.3	3				6.3	3
						7.6	0.7	174	26.9		8.1		25.9		64.5		4.5		3							
SR4A	Sunny	Calm	10:18	10.3	Surface	1.0	0.0	105	29.1	29.1	8.2	8.2	20.7	20.8	105.1	104.8	7.2	6.2	1.8	1.4	3	4	817200	807801		
						1.0	0.0	105	29.0		8.2		20.9		104.5		7.2		1.8		2					
					Middle	5.2	0.0	80	27.2	27.2	8.1	8.1	25.1	25.0	73.6	73.7	5.1	4.2	1.2	4.2	3				4.2	4
						5.2	0.0	86	27.2		8.1		25.0		73.7		5.1		1.2		4					
					Bottom	9.3	0.0	107	26.7	26.8	8.1	8.1	26.1	26.1	61.2	61.3	4.2	6.3	1.1	6.3	5				6.3	4
						9.3	0.0	107	26.8		8.1		26.0		61.4		4.2		4							
SR8	Sunny	Moderate	12:54	4.4	Surface	1.0	-	-	30.2	30.2	8.5	8.5	19.9	19.9	118.6	117.9	8.0	8.0	2.4	2.7	3	3	820395	811606		
						1.0	-	-	30.2		8.5		19.9		117.2		7.9		2.4		2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	6.3	-				6.3	-
						-	-	-	-		-		-		-		-		-							
					Bottom	3.4	-	-	27.5	27.5	8.5	8.5	23.9	23.9	91.3	91.5	6.3	6.3	3.1	6.3	3				6.3	3
						3.4	-	-	27.5		8.5		23.9		91.7		6.3		3							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Rough	18:52	7.3	Surface	1.0	0.3	50	29.9	30.0	8.4	8.4	19.5	19.5	126.5	126.5	8.6	8.3	1.6	1.9	3	3	815631	804244		
						1.0	0.3	44	30.0		8.4		19.4		126.4		8.6		1.5		4					
					Middle	3.7	0.4	53	29.2	29.3	8.4	8.4	20.6	20.5	116.7	116.8	8.0	6.1	1.9	6.1	3				6.1	3
						3.7	0.4	53	29.3		8.4		20.5		116.8		8.0		1.9		3					
					Bottom	6.3	0.4	14	28.0	28.0	8.2	8.2	23.3	23.4	88.5	88.5	6.1	6.1	2.3	6.1	4				6.1	3
						6.3	0.4	20	27.9		8.2		23.5		88.5		6.1		2.3		3					
C2	Cloudy	Rough	17:27	9.6	Surface	1.0	0.2	358	29.9	29.9	8.4	8.4	17.7	17.7	135.7	135.5	9.3	9.1	2.1	3.1	3	3	825658	806958		
						1.0	0.2	1	29.9		8.4		17.7		135.2		9.3		2.1		3					
					Middle	4.8	0.1	345	29.7	29.7	8.4	8.4	18.0	18.0	129.1	128.8	8.9	3.9	3.2	3.9	3				3.9	3
						4.8	0.1	351	29.7		8.4		18.0		128.4		8.8		3.2		3					
					Bottom	8.6	0.2	4	26.6	26.6	8.1	8.1	26.3	26.3	55.7	56.0	3.9	3.9	4.1	3.9	2				3.9	3
						8.6	0.1	358	26.6		8.1		26.3		56.2		3.9		4.0		3					
C3	Rainy	Moderate	18:40	10.0	Surface	1.0	0.4	254	25.4	25.4	8.1	8.1	28.3	28.3	74.2	74.1	5.2	5.0	2.9	4.1	3	3	822096	817821		
						1.0	0.5	249	25.4		8.1		28.3		74.0		5.2		2.9		3					
					Middle	5.0	0.4	265	24.8	24.8	8.1	8.1	29.5	29.5	66.9	66.9	4.7	4.4	4.2	4.4	4				4.4	4
						5.0	0.4	266	24.7		8.1		29.6		66.9		4.7		4.2		3					
					Bottom	9.0	0.4	238	24.0	24.0	8.1	8.1	30.2	30.1	60.7	61.3	4.3	4.4	5.1	4.4	4				4.4	4
						9.0	0.3	236	23.9		8.1		30.0		61.8		4.4		5.1		3					
IM1	Cloudy	Rough	18:32	6.9	Surface	1.0	0.3	10	27.4	27.4	8.2	8.2	25.1	25.1	89.4	89.4	6.2	5.8	3.1	4.5	2	2	818331	806438		
						1.0	0.3	13	27.4		8.2		25.1		89.4		6.2		3.2		<2					
					Middle	3.5	0.3	23	27.3	27.3	8.3	8.3	24.9	24.8	78.3	78.1	5.4	4.1	3.4	4.1	4				4.1	4
						3.5	0.2	29	27.3		8.3		24.8		77.9		5.4		3.4		<2					
					Bottom	5.9	0.3	39	26.1	26.1	8.1	8.1	27.7	27.7	58.8	59.1	4.1	4.1	6.9	4.1	4				4.1	2
						5.9	0.2	37	26.1		8.1		27.7		59.3		4.1		6.9		2					
IM2	Cloudy	Rough	18:19	7.2	Surface	1.0	0.2	332	27.0	27.1	8.2	8.2	25.7	25.7	93.2	93.2	6.4	5.6	1.2	1.6	<2	2	819196	806214		
						1.0	0.3	326	27.1		8.2		25.6		93.2		6.4		1.3		<2					
					Middle	3.6	0.3	334	26.6	26.9	8.3	8.3	26.1	25.9	68.4	68.0	4.7	3.9	1.5	3.9	4				3.9	4
						3.6	0.3	341	27.1		8.3		25.7		67.5		4.7		1.6		<2					
					Bottom	6.2	0.2	346	26.0	26.0	8.2	8.2	27.5	27.5	56.5	56.5	3.9	4.1	2.0	4.1	2				4.1	3
						6.2	0.2	341	25.9		8.2		27.5		56.4		3.9		2.1		3					
IM7	Cloudy	Rough	17:56	7.8	Surface	1.0	0.2	248	29.9	29.9	8.5	8.5	16.8	16.8	142.1	142.1	9.8	9.1	1.3	2.2	2	3	821329	806845		
						1.0	0.1	254	29.9		8.5		16.8		142.0		9.8		1.4		3					
					Middle	3.9	0.2	270	29.2	29.2	8.4	8.4	18.7	18.8	123.1	122.6	8.5	4.1	1.5	4.1	3				4.1	3
						3.9	0.2	265	29.1		8.4		18.8		122.0		8.4		1.6		2					
					Bottom	6.8	0.2	272	26.8	26.8	8.1	8.1	26.1	26.1	59.5	59.6	4.1	4.1	3.8	4.1	3				4.1	3
						6.8	0.2	264	26.8		8.1		26.1		59.7		4.1		3.8		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 15 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Moderate	17:25	8.4	Surface	1.0	0.3	287	29.2	29.2	8.4	8.4	18.2	18.2	130.8	130.9	9.1	7.9	1.2	3.3	5	5	822225	809833		
						1.0	0.3	285	29.2		8.4		18.2		131.0		9.1		1.2		5					
					Middle	4.2	0.2	294	27.8	27.9	8.3	8.3	21.7	21.6	96.6	96.3	6.7	5.2	3.6	5.2	6.7				5.2	4
						4.2	0.3	289	27.9		8.3		21.5		95.9		6.7		3.8		5					
					Bottom	7.4	0.3	288	26.6	26.6	8.1	8.1	25.1	25.2	74.4	74.5	5.2	5.2	5.0	5.2	5.0				5.2	4
						7.4	0.3	288	26.6		8.1		25.2		74.6		5.2		5.1		4					
IM11	Misty	Moderate	17:34	8.0	Surface	1.0	0.3	284	29.4	29.4	8.6	8.6	17.6	17.6	147.9	147.6	10.3	8.4	1.2	2.6	6	5	821482	810565		
						1.0	0.3	277	29.4		8.6		17.6		147.3		10.2		1.3		6					
					Middle	4.0	0.3	292	27.4	27.4	8.4	8.4	22.7	22.7	94.2	94.2	6.6	4.8	2.3	4.8	6.6				4.8	5
						4.0	0.3	288	27.4		8.4		22.7		94.2		6.6		2.3		6					
					Bottom	7.0	0.3	294	26.3	26.3	8.2	8.2	25.8	25.8	68.2	68.5	4.8	4.8	4.3	4.8	4.8				4.8	5
						7.0	0.3	296	26.3		8.2		25.9		68.7		4.8		4.3		4					
IM12	Misty	Moderate	17:39	7.6	Surface	1.0	0.3	298	29.5	29.5	8.5	8.5	17.3	17.2	141.5	140.5	9.8	8.6	1.2	2.1	5	5	821170	811515		
						1.0	0.3	295	29.5		8.5		17.2		139.5		9.7		1.2		4					
					Middle	3.8	0.3	276	27.6	27.6	8.5	8.5	21.8	21.8	107.4	107.0	7.5	6.0	2.0	6.0	7.5				6.0	5
						3.8	0.3	269	27.5		8.5		21.8		106.6		7.5		2.1		4					
					Bottom	6.6	0.3	279	27.0	27.0	8.3	8.3	24.1	24.2	86.0	85.4	6.0	6.0	3.1	6.0	6.0				6.0	5
						6.6	0.3	273	26.9		8.3		24.4		84.8		5.9		3.1		5					
SR1A	Rainy	Moderate	18:00	4.6	Surface	1.0	0.0	195	29.0	29.0	8.3	8.3	19.3	19.3	134.9	134.5	9.3	9.3	1.6	2.0	2	3	819976	812664		
						1.0	0.0	200	28.9		8.3		19.3		134.1		9.3		1.7		3					
					Middle	2.3	0.0	195	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.3	0.0	192	-		-		-		-		-		-		-					-
					Bottom	3.6	0.0	179	28.3	28.3	8.3	8.3	21.6	21.6	111.7	111.8	7.7	7.7	2.5	7.7	7.7				7.7	2
						3.6	0.0	176	28.3		8.3		21.6		111.8		7.7		2.4		3					
SR2	Rainy	Moderate	18:18	5.0	Surface	1.0	0.1	271	25.4	25.4	8.1	8.1	28.2	28.3	77.6	77.6	5.4	5.4	1.8	2.3	3	3	821456	814146		
						1.0	0.0	267	25.4		8.1		28.3		77.6		5.4		1.8		3					
					Middle	-	0.1	283	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.2	279	-		-		-		-		-		-		-					
					Bottom	4.0	0.1	264	25.1	25.1	8.0	8.0	29.2	29.2	73.8	74.3	5.2	5.2	2.8	5.2	5.2				5.2	3
						4.0	0.2	262	25.1		8.0		29.2		74.7		5.2		2.9		2					
SR3	Cloudy	Rough	17:45	8.1	Surface	1.0	0.1	228	30.0	30.0	8.4	8.4	17.6	17.6	141.7	141.7	9.7	9.5	1.1	2.3	3	3	822166	807578		
						1.0	0.1	231	30.0		8.4		17.6		141.6		9.7		1.1		3					
					Middle	4.1	0.2	205	29.8	29.8	8.4	8.4	17.8	17.8	135.8	135.7	9.4	6.0	2.1	6.0	9.3				6.0	3
						4.1	0.2	202	29.8		8.4		17.8		135.5		9.3		2.1		4					
					Bottom	7.1	0.1	218	27.5	27.5	8.1	8.1	24.3	24.3	87.4	87.4	6.0	6.0	3.7	6.0	6.0				6.0	4
						7.1	0.2	216	27.5		8.1		24.3		87.4		6.0		3.6		3					
SR4A	Cloudy	Moderate	19:11	9.7	Surface	1.0	0.0	158	27.5	27.5	8.2	8.2	24.3	24.3	86.8	86.8	6.0	5.3	1.7	2.1	3	4	817212	807829		
						1.0	0.0	157	27.5		8.2		24.3		86.8		6.0		1.7		4					
					Middle	4.9	0.0	158	26.1	26.1	8.2	8.2	27.7	27.7	65.5	65.5	4.5	3.7	1.2	3.7	4.5				3.7	3
						4.9	0.1	156	26.1		8.2		27.7		65.5		4.5		1.2		3					
					Bottom	8.7	0.0	151	25.6	25.6	8.1	8.1	28.7	28.7	52.7	52.7	3.7	3.7	3.5	3.7	3.7				3.7	4
						8.7	0.0	149	25.6		8.1		28.6		52.7		3.7		3.6		4					
SR8	Rainy	Moderate	17:44	4.4	Surface	1.0	-	-	29.7	29.7	8.5	8.5	18.4	18.4	135.3	135.2	9.3	9.3	3.7	4.6	5	6	820404	811639		
						1.0	-	-	29.7		8.5		18.4		135.0		9.3		3.6		5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	3.4	-	-	30.0	30.1	8.4	8.4	18.8	18.8	130.8	130.3	8.9	8.9	5.6	8.9	8.9				8.9	6
						3.4	-	-	30.1		8.4		18.8		129.7		8.8		5.5		6					

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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 18 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	13:34	8.2	Surface	1.0	0.7	210	26.3	26.3	7.9	7.9	30.7	30.7	82.4	82.4	5.6	5.6	2.5	2.9	3	3	815603	804251
						1.0	0.7	214	26.3	7.9	7.9	30.7	30.7	82.4	82.4	5.6	5.6							
					Middle	4.1	0.6	208	26.3	26.3	7.9	7.9	30.7	30.7	82.1	82.1	5.6	5.6	2.7	2.7	3	3		
						4.1	0.7	205	26.3	26.3	7.9	7.9	30.7	30.7	82.1	82.1	5.6	5.6	2.7	2.7	3	3		
					Bottom	7.2	0.6	197	26.2	26.2	7.9	7.9	30.9	30.9	80.9	80.9	5.5	5.5	3.5	3.5	2	2		
						7.2	0.6	193	26.2	26.2	7.9	7.9	30.9	30.9	80.9	80.9	5.5	5.5	3.4	3.4	2	2		
C2	Cloudy	Rough	11:57	9.3	Surface	1.0	0.5	175	26.5	26.5	7.9	7.9	29.5	29.5	75.9	75.9	5.2	5.2	2.3	5.8	3	3	825696	806929
						1.0	0.5	167	26.5	26.5	7.9	7.9	29.5	29.5	75.9	75.9	5.2	5.2						
					Middle	4.7	0.6	173	26.3	26.3	7.9	7.9	30.0	30.0	75.2	75.3	5.1	5.1	5.7	5.7	3	3		
						4.7	0.6	168	26.3	26.3	7.9	7.9	30.0	30.0	75.4	75.4	5.1	5.1	5.6	5.6	3	3		
					Bottom	8.3	0.6	145	26.3	26.3	7.9	7.9	30.5	30.5	76.9	76.9	5.2	5.2	9.4	9.4	2	2		
						8.3	0.5	151	26.3	26.3	7.9	7.9	30.5	30.5	76.9	76.9	5.2	5.2	9.5	9.5	3	3		
C3	Cloudy	Rough	13:09	12.8	Surface	1.0	0.5	75	25.4	25.4	7.9	7.9	28.8	28.8	71.7	71.7	5.0	5.0	3.1	5.9	3	2	822130	817791
						1.0	0.5	71	25.4	25.4	7.9	7.9	28.8	28.8	71.6	71.6	5.0	5.0						
					Middle	6.4	0.4	55	25.2	25.2	7.9	7.9	29.1	29.1	68.9	68.9	4.8	4.8	3.5	3.5	2	2		
						6.4	0.5	60	25.0	25.0	7.9	7.9	29.1	29.1	68.9	68.9	4.8	4.8	3.5	3.5	2	2		
					Bottom	11.8	0.4	63	25.0	25.0	7.8	7.8	29.5	29.5	67.5	67.8	4.7	4.7	10.8	10.8	2	2		
						11.8	0.5	56	25.0	25.0	7.8	7.8	29.5	29.5	68.1	67.8	4.8	4.8	11.1	11.1	2	2		
IM1	Cloudy	Rough	13:11	7.1	Surface	1.0	0.4	186	26.2	26.2	7.9	7.9	31.0	31.0	80.2	80.2	5.4	5.4	8.6	9.7	2	2	818364	806435
						1.0	0.4	191	26.2	26.2	7.9	7.9	31.0	31.0	80.2	80.2	5.4	5.4						
					Middle	3.6	0.5	197	26.1	26.1	7.9	7.9	31.4	31.4	75.9	75.9	5.2	5.2	9.7	9.7	2	2		
						3.6	0.5	203	26.1	26.1	7.9	7.9	31.4	31.4	75.9	75.9	5.2	5.2	9.7	9.7	2	2		
					Bottom	6.1	0.5	175	26.1	26.1	7.9	7.9	31.4	31.4	76.8	76.9	5.2	5.2	10.8	10.8	3	3		
						6.1	0.4	180	26.1	26.1	7.9	7.9	31.4	31.4	77.0	77.0	5.2	5.2	10.9	10.9	3	3		
IM2	Cloudy	Rough	12:57	6.7	Surface	1.0	0.4	195	26.2	26.2	7.9	7.9	30.9	30.9	80.2	80.2	5.5	5.5	5.3	6.7	3	3	819167	806227
						1.0	0.4	195	26.2	26.2	7.9	7.9	30.9	30.9	80.2	80.2	5.5	5.5						
					Middle	3.4	0.5	192	26.2	26.2	7.9	7.9	31.0	31.0	79.3	79.3	5.4	5.4	6.7	6.7	3	3		
						3.4	0.5	186	26.2	26.2	7.9	7.9	31.0	31.0	79.3	79.3	5.4	5.4	6.7	6.7	3	3		
					Bottom	5.7	0.4	191	26.2	26.2	8.0	8.0	31.2	31.2	79.6	79.6	5.4	5.4	8.1	8.1	3	3		
						5.7	0.4	185	26.2	26.2	8.0	8.0	31.2	31.2	79.6	79.6	5.4	5.4	8.2	8.2	4	4		
IM7	Cloudy	Rough	12:30	7.8	Surface	1.0	0.2	146	26.3	26.3	7.9	7.9	30.5	30.5	80.8	80.8	5.5	5.5	4.0	5.2	3	3	821350	806856
						1.0	0.2	152	26.3	26.3	7.9	7.9	30.5	30.5	80.8	80.8	5.5	5.5						
					Middle	3.9	0.3	166	26.2	26.2	7.9	7.9	30.7	30.7	81.3	81.3	5.5	5.5	5.0	5.0	3	3		
						3.9	0.3	170	26.2	26.2	7.9	7.9	30.7	30.7	81.3	81.3	5.5	5.5	5.0	5.0	3	3		
					Bottom	6.8	0.3	182	26.3	26.3	7.9	7.9	30.8	30.8	82.4	82.4	5.6	5.6	6.4	6.4	3	3		
						6.8	0.2	184	26.3	26.3	7.9	7.9	30.8	30.8	82.4	82.4	5.6	5.6	6.4	6.4	4	4		

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Cloudy	Rough	11:54	8.4	Surface	1.0	0.6	104	25.9	25.9	8.0	8.0	27.4	27.4	80.1	80.1	5.6	5.6	1.6	4	3	822254	809823				
						1.0	0.6	96	25.9	8.0	8.0	27.4	27.4	80.0	80.0	5.6	5.6	1.5	4								
					Middle	4.2	0.6	115	25.8	25.8	8.0	8.0	27.5	27.5	79.0	79.0	5.5	5.5	1.9	4							
						4.2	0.6	108	25.8	25.8	8.0	8.0	27.5	27.5	78.9	79.0	5.5	5.5	2.0	2							
					Bottom	7.4	0.6	127	25.5	25.5	8.0	8.0	28.0	28.0	70.0	70.0	4.9	4.9	5.5	3							
						7.4	0.6	123	25.5	25.5	8.0	8.0	28.0	28.0	70.0	70.0	4.9	4.9	5.5	2							
IM11	Cloudy	Rough	12:04	9.0	Surface	1.0	0.6	89	25.8	25.8	8.0	8.0	27.8	27.8	80.6	80.6	5.6	5.6	3.7	4	3	821517	810563				
						1.0	0.6	86	25.8	25.8	8.0	8.0	27.8	27.8	80.5	80.6	5.6	5.6	4.0	4							
					Middle	4.5	0.7	103	25.7	25.7	8.0	8.0	28.0	28.0	79.8	79.8	5.6	5.6	11.0	3							
						4.5	0.6	99	25.7	25.7	8.0	8.0	28.0	28.0	79.8	79.8	5.6	5.6	11.2	4							
					Bottom	8.0	0.7	84	25.7	25.7	7.9	7.9	28.1	28.1	81.5	81.5	5.7	5.7	11.5	2							
						8.0	0.6	84	25.7	25.7	7.9	7.9	28.1	28.1	81.5	81.5	5.7	5.7	11.5	3							
IM12	Cloudy	Rough	12:08	8.4	Surface	1.0	0.8	109	25.9	25.9	8.0	8.0	27.6	27.6	82.7	82.7	5.8	5.8	3.4	3	3	821152	811525				
						1.0	0.7	111	25.9	25.9	8.0	8.0	27.6	27.6	82.6	82.7	5.8	5.8	3.4	3							
					Middle	4.2	0.8	114	25.7	25.7	8.0	8.0	27.9	27.9	79.3	79.3	5.5	5.5	8.7	3							
						4.2	0.8	113	25.7	25.7	8.0	8.0	27.9	27.9	79.3	79.3	5.5	5.5	8.8	2							
					Bottom	7.4	0.8	87	25.7	25.7	7.9	7.9	27.9	27.9	80.4	80.6	5.6	5.6	10.6	3							
						7.4	0.7	82	25.7	25.7	7.9	7.9	27.9	27.9	80.7	80.6	5.6	5.6	10.6	2							
SR1A	Cloudy	Rough	12:36	5.2	Surface	1.0	0.1	110	25.6	25.6	7.8	7.8	28.0	28.0	73.4	73.4	5.1	5.1	2.8	2	3	819980	812663				
						1.0	0.1	115	25.6	25.6	7.8	7.8	28.1	28.0	73.4	73.4	5.1	5.1	2.8	3							
					Middle	2.6	0.1	84	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	3
						2.6	0.1	91	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.2	0.0	114	25.5	25.5	7.8	7.8	28.2	28.2	74.4	74.7	5.2	5.2	3.1	4							
						4.2	0.1	114	25.5	25.5	7.8	7.8	28.2	28.2	74.9	74.7	5.2	5.2	3.2	3							
SR2	Cloudy	Rough	12:50	5.1	Surface	1.0	0.7	41	25.7	25.7	7.9	7.9	27.8	27.8	74.5	74.5	5.2	5.2	3.3	3	2	821477	814167				
						1.0	0.7	38	25.7	25.7	7.9	7.9	27.8	27.8	74.5	74.5	5.2	5.2	3.3	2							
					Middle	-	0.7	32	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	2
						-	0.7	26	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.1	0.7	35	25.5	25.5	7.9	7.9	28.2	28.2	73.0	73.0	5.1	5.1	5.5	2							
						4.1	0.6	30	25.5	25.5	7.9	7.9	28.2	28.2	73.0	73.0	5.1	5.1	5.7	2							
SR3	Cloudy	Rough	12:20	8.0	Surface	1.0	0.5	139	26.4	26.4	7.9	7.9	29.7	29.7	72.8	72.8	5.0	5.0	2.8	2	3	822138	807558				
						1.0	0.5	141	26.4	26.4	7.9	7.9	29.7	29.7	72.8	72.8	5.0	5.0	2.8	3							
					Middle	4.0	0.5	151	26.3	26.3	7.9	7.9	30.0	30.0	71.0	71.1	4.8	4.8	5.6	3							
						4.0	0.5	150	26.3	26.3	7.9	7.9	30.0	30.0	71.1	71.1	4.9	4.9	5.6	2							
					Bottom	7.0	0.5	134	26.2	26.2	7.9	7.9	30.5	30.5	78.4	78.5	5.3	5.3	9.1	3							
						7.0	0.5	131	26.2	26.2	7.9	7.9	30.5	30.5	78.5	78.5	5.3	5.3	9.2	3							
SR4A	Cloudy	Rough	13:53	10.2	Surface	1.0	0.1	34	26.5	26.5	7.9	7.9	28.9	28.9	76.5	76.5	5.2	5.2	3.0	3	3	817206	807797				
						1.0	0.1	38	26.4	26.4	7.9	7.9	28.9	28.9	76.4	76.5	5.2	5.2	3.1	2							
					Middle	5.1	0.0	46	26.0	26.0	7.9	7.9	31.1	31.1	68.3	68.3	4.7	4.7	6.0	3							
						5.1	0.0	53	26.0	26.0	7.9	7.9	31.1	31.1	68.3	68.3	4.7	4.7	6.1	3							
					Bottom	9.2	0.0	34	25.8	25.8	7.8	7.8	31.3	31.3	63.5	63.5	4.3	4.3	5.1	3							
						9.2	0.0	40	25.8	25.8	7.8	7.8	31.3	31.3	63.5	63.5	4.3	4.3	5.1	3							
SR8	Cloudy	Rough	12:15	5.7	Surface	1.0	-	-	26.4	26.4	7.9	7.9	27.9	27.9	74.2	74.2	5.1	5.1	2.3	2	3	820403	811639				
						1.0	-	-	26.4	26.4	7.9	7.9	27.9	27.9	74.2	74.2	5.1	5.1	2.3	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.7	-	-	25.6	25.7	7.9	7.9	28.0	28.0	69.1	69.2	4.8	4.8	7.5	4							
						4.7	-	-	25.7	25.7	7.9	7.9	28.0	28.0	69.2	69.2	4.8	4.8	7.5	4							

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Water Quality Monitoring

Water Quality Monitoring Results on 20 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	14:17	8.4	Surface	1.0	0.6	210	<u>27.6</u>	8.0	8.0	<u>29.4</u>	29.3	<u>81.8</u>	81.9	5.5	5.3	5.1	7.6	3.0	<2	3	815628	804253
						1.0	0.6	208	27.5	8.0	8.0	29.3	81.9	5.5	3.1	2								
					Middle	4.2	0.6	215	<u>26.9</u>	8.0	8.0	<u>31.7</u>	31.7	<u>74.5</u>	74.5	5.0		5.0		6.2	3			
						4.2	0.6	213	26.9	8.0	8.0	31.7	31.7	74.4	74.4	5.0		5.0		6.8	3			
					Bottom	7.4	0.6	199	<u>26.9</u>	8.0	8.0	<u>31.8</u>	31.8	<u>75.7</u>	75.9	5.1		5.1		13.0	2			
						7.4	0.6	204	26.9	8.0	8.0	31.8	31.8	76.1	76.1	5.1		5.1		13.5	3			
C2	Cloudy	Moderate	13:02	11.9	Surface	1.0	0.4	168	<u>27.9</u>	7.9	7.9	<u>25.8</u>	25.9	<u>80.4</u>	80.4	5.5	5.2	5.5	7.8	3.4	4	4	825665	806949
						1.0	0.4	164	27.8	7.9	7.9	25.9	80.4	5.5	3.4	3								
					Middle	6.0	0.4	153	<u>27.2</u>	7.9	7.9	<u>27.3</u>	27.3	<u>71.7</u>	71.7	4.9		4.9		6.8	4			
						6.0	0.4	159	27.2	7.9	7.9	27.3	27.3	71.6	71.6	4.9		4.9		6.9	2			
					Bottom	10.9	0.4	188	<u>26.7</u>	7.9	7.9	<u>29.2</u>	29.2	<u>67.6</u>	67.7	4.6		4.6		13.3	4			
						10.9	0.5	184	26.7	7.9	7.9	29.2	29.2	67.7	67.7	4.6		4.6		13.2	4			
C3	Fine	Moderate	14:20	9.8	Surface	1.0	0.5	58	<u>26.2</u>	8.4	8.4	<u>27.1</u>	27.2	<u>71.7</u>	71.5	5.0	4.9	5.0	5.1	3.0	4	4	822094	817806
						1.0	0.5	65	26.1	8.4	8.4	27.2	71.3	5.0	3.0	5								
					Middle	4.9	0.4	71	<u>26.0</u>	8.4	8.4	<u>27.7</u>	27.6	<u>67.3</u>	67.3	4.7		4.7		5.5	4			
						4.9	0.4	71	26.0	8.4	8.4	27.6	27.6	67.2	67.2	4.7		4.7		5.4	4			
					Bottom	8.8	0.5	66	<u>26.3</u>	8.3	8.3	<u>27.1</u>	27.0	<u>67.6</u>	67.8	4.7		4.7		6.8	4			
						8.8	0.5	62	26.4	8.3	8.3	26.9	27.0	68.0	67.8	4.7		4.7		6.8	4			
IM1	Cloudy	Moderate	13:57	6.9	Surface	1.0	0.3	202	<u>27.7</u>	7.9	7.9	<u>28.7</u>	28.7	<u>80.1</u>	80.1	5.4	5.4	5.4	7.5	2.6	2	3	818348	806476
						1.0	0.4	207	27.7	7.9	7.9	28.8	80.0	5.4	2.6	3								
					Middle	3.5	0.3	182	<u>27.2</u>	8.0	8.0	<u>29.5</u>	29.5	<u>78.4</u>	78.4	5.3		5.3		6.1	4			
						3.5	0.3	179	27.1	8.0	8.0	29.5	29.5	78.3	78.3	5.3		5.3		6.7	4			
					Bottom	5.9	0.3	174	<u>26.8</u>	7.9	7.9	<u>31.6</u>	31.6	<u>72.0</u>	72.1	4.8		4.8		13.3	3			
						5.9	0.3	173	26.8	7.9	7.9	31.6	31.6	72.2	72.2	4.8		4.8		13.6	4			
IM2	Cloudy	Moderate	13:52	7.1	Surface	1.0	0.4	194	<u>26.9</u>	8.0	8.0	<u>30.4</u>	30.4	<u>71.8</u>	71.9	4.8	4.9	4.8	7.0	5.9	4	3	819177	806220
						1.0	0.4	191	26.9	8.0	8.0	30.4	30.4	71.9	71.9	4.8		4.8		5.9	4			
					Middle	3.6	0.4	182	<u>26.9</u>	8.0	8.0	<u>30.5</u>	30.5	<u>72.6</u>	72.6	4.9		4.9		5.7	3			
						3.6	0.3	183	26.9	8.0	8.0	30.5	30.5	72.6	72.6	4.9		4.9		5.9	4			
					Bottom	6.1	0.4	176	<u>26.8</u>	8.0	8.0	<u>31.6</u>	31.6	<u>74.0</u>	74.1	5.0		5.0		9.2	3			
						6.1	0.4	178	26.8	8.0	8.0	31.6	31.6	74.1	74.1	5.0		5.0		9.5	2			
IM7	Cloudy	Moderate	13:34	8.7	Surface	1.0	0.2	168	<u>28.1</u>	7.9	7.9	<u>27.0</u>	27.0	<u>83.0</u>	83.0	5.6	5.4	5.6	4.9	2.4	4	4	821367	806857
						1.0	0.2	173	28.1	7.9	7.9	27.0	82.9	5.6	2.5	4								
					Middle	4.4	0.3	140	<u>27.4</u>	7.9	7.9	<u>28.5</u>	28.5	<u>76.7</u>	76.7	5.2		5.2		4.0	4			
						4.4	0.2	138	27.4	7.9	7.9	28.5	28.5	76.7	76.7	5.2		5.2		4.0	4			
					Bottom	7.7	0.2	143	<u>27.1</u>	7.9	7.9	<u>29.3</u>	29.3	<u>74.3</u>	74.4	5.0		5.0		8.0	4			
						7.7	0.2	149	27.1	7.9	7.9	29.3	29.3	74.5	74.5	5.0		5.0		8.6	3			

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									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	13:05	8.6	Surface	1.0	0.5	88	26.9	8.2	8.2	25.0	25.1	78.7	78.8	5.5	5.2	4.4	4	4	822230	809825		
						1.0	0.6	88	26.8	26.9	8.2	8.2	25.2	25.1	78.8	78.8							5.5	
					Middle	4.3	0.5	107	26.3	26.3	8.3	8.3	26.3	26.3	70.7	70.7							4.9	
						4.3	0.6	103	26.3	26.3	8.3	8.3	26.3	26.3	70.7	70.7							4.9	
					Bottom	7.6	0.5	79	26.3	26.3	8.3	8.3	26.5	26.5	71.5	71.6							5.0	
						7.6	0.5	77	26.3	26.3	8.3	8.3	26.5	26.5	71.6	71.6							5.0	
IM11	Fine	Moderate	13:14	8.4	Surface	1.0	0.6	90	27.3	8.4	8.4	24.0	24.0	85.0	85.0	5.9	5.7	3.4	4	821501	810538			
						1.0	0.6	89	27.3	27.3	8.4	8.4	24.1	24.0	84.9	85.0						5.9		
					Middle	4.2	0.6	88	26.9	26.9	8.3	8.3	25.0	25.0	78.9	78.6						5.5		
						4.2	0.6	82	26.9	26.9	8.3	8.3	25.0	25.0	78.3	78.6						5.4		
					Bottom	7.4	0.6	91	26.9	27.0	8.3	8.3	25.0	24.9	78.7	79.3						5.5		
						7.4	0.6	92	27.0	27.0	8.3	8.3	24.8	24.9	79.8	79.3						5.5		
IM12	Fine	Moderate	13:19	7.6	Surface	1.0	0.7	91	27.5	8.2	8.2	23.8	23.8	85.4	85.5	5.9	5.7	2.3	3	821139	811502			
						1.0	0.7	86	27.5	27.5	8.2	8.2	23.9	23.8	85.5	85.5						5.9		
					Middle	3.8	0.7	114	27.1	27.1	8.3	8.2	24.6	24.6	78.8	78.6						5.5		
						3.8	0.7	117	27.1	27.1	8.2	8.2	24.7	24.6	78.4	78.6						5.4		
					Bottom	6.6	0.7	115	26.8	26.8	8.2	8.2	25.3	25.3	77.4	77.5						5.4		
						6.6	0.8	117	26.8	26.8	8.2	8.2	25.3	25.3	77.5	77.5						5.4		
SR1A	Fine	Moderate	13:40	4.6	Surface	1.0	0.0	80	27.5	8.3	8.3	24.1	24.1	84.0	84.0	5.8	5.8	3.8	3	819971	812655			
						1.0	0.0	75	27.5	27.5	8.3	8.3	24.1	24.1	84.0	84.0						5.8		
					Middle	2.3	0.0	71	-	-	-	-	-	-	-	-						-		
						2.3	0.0	72	-	-	-	-	-	-	-	-						-		
					Bottom	3.6	0.0	66	27.5	27.5	8.3	8.3	24.1	24.1	84.0	84.1						5.8		
						3.6	0.1	64	27.5	27.5	8.3	8.3	24.1	24.1	84.1	84.1						5.8		
SR2	Fine	Moderate	13:58	4.8	Surface	1.0	0.6	63	26.4	8.3	8.3	26.8	26.8	72.6	72.5	5.0	5.0	4.9	3	821475	814184			
						1.0	0.6	61	26.3	26.4	8.3	8.3	26.9	26.8	72.4	72.5						5.0		
					Middle	-	0.6	41	-	-	-	-	-	-	-	-						-		
						-	0.6	33	-	-	-	-	-	-	-	-						-		
					Bottom	3.8	0.7	43	26.3	26.3	8.3	8.3	27.1	27.1	72.6	72.8						5.0		
						3.8	0.7	48	26.3	26.3	8.3	8.3	27.1	27.1	72.9	72.8						5.1		
SR3	Cloudy	Moderate	13:27	9.6	Surface	1.0	0.5	163	27.9	7.9	7.9	26.1	26.1	80.6	80.6	5.5	5.3	5.0	3	822132	807549			
						1.0	0.5	168	27.8	27.9	7.9	7.9	26.2	26.1	80.6	80.6						5.5		
					Middle	4.8	0.4	164	27.3	27.3	7.9	7.9	27.8	27.8	74.3	74.3						5.0		
						4.8	0.4	165	27.3	27.3	7.9	7.9	27.9	27.8	74.2	74.3						5.0		
					Bottom	8.6	0.5	144	27.0	27.0	7.9	7.9	29.4	29.4	71.4	71.6						4.8		
						8.6	0.5	138	27.0	27.0	7.9	7.9	29.4	29.4	71.8	71.6						4.9		
SR4A	Cloudy	Moderate	14:46	9.3	Surface	1.0	0.1	34	27.0	7.9	7.9	30.0	30.0	69.7	69.7	4.7	4.7	4.5	3	817201	807809			
						1.0	0.0	38	27.0	27.0	7.9	7.9	30.1	30.0	69.7	69.7						4.7		
					Middle	4.7	0.0	12	26.9	26.9	7.9	7.9	30.4	30.4	69.4	69.4						4.7		
						4.7	0.1	18	26.9	26.9	7.9	7.9	30.4	30.4	69.4	69.4						4.7		
					Bottom	8.3	0.0	51	26.9	26.9	7.9	7.9	30.5	30.4	70.4	70.5						4.7		
						8.3	0.0	43	26.9	26.9	7.9	7.9	30.4	30.4	70.5	70.5						4.8		
SR8	Fine	Moderate	13:24	4.8	Surface	1.0	-	-	27.0	8.1	8.1	24.9	24.9	77.2	77.1	5.4	5.4	2.0	3	820379	811634			
						1.0	-	-	27.0	27.0	8.1	8.1	24.9	24.9	77.0	77.1						5.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-						-		
						-	-	-	-	-	-	-	-	-	-	-						-		
					Bottom	3.8	-	-	26.9	26.9	8.1	8.1	25.1	25.1	75.9	75.9						5.3		
						3.8	-	-	26.9	26.9	8.1	8.1	25.1	25.1	75.9	75.9						5.3		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	06:32	8.5	Surface	1.0	0.2	20	27.1	27.1	8.0	8.0	30.5	30.5	78.7	78.7	5.3	5.1	4.1	7.8	3	3	815614	804249		
						1.0	0.1	27	27.1		8.0		30.5		78.7		5.3		4.1		3					
					Middle	4.3	0.1	10	26.8	26.8	8.0	8.0	32.2	32.2	73.9	73.9	4.9	4.9	6.8	4.9	2				4.9	2
						4.3	0.1	7	26.8		8.0		32.2		73.9		4.9		2							
					Bottom	7.5	0.2	12	26.8	26.8	8.0	8.0	32.6	32.6	73.9	74.0	4.9	4.9	12.6	4.9	3				4.9	3
						7.5	0.2	18	26.8		8.0		32.6		74.0		4.9		3							
C2	Cloudy	Moderate	08:17	12.2	Surface	1.0	0.4	356	27.8	27.8	7.9	7.9	26.0	26.0	79.3	79.3	5.4	5.2	3.5	9.0	3	3	825687	806933		
						1.0	0.4	348	27.8		7.9		26.1		79.2		5.4		3.6		4					
					Middle	6.1	0.4	346	27.2	27.2	7.9	7.9	27.3	27.4	71.5	71.3	4.9	4.9	10.5	4.9	3				4.9	3
						6.1	0.4	348	27.2		7.9		27.4		71.1		4.9		3							
					Bottom	11.2	0.5	352	26.7	26.7	7.9	7.9	29.3	29.3	68.4	68.5	4.7	4.7	12.9	4.7	2				4.7	2
						11.2	0.4	359	26.7		7.9		29.3		68.5		4.7		2							
C3	Fine	Moderate	07:52	11.0	Surface	1.0	0.5	269	26.6	26.6	8.0	8.0	26.4	26.5	79.1	79.1	5.5	5.3	1.1	1.3	4	5	822120	817795		
						1.0	0.5	272	26.5		8.0		26.6		79.0		5.5		1.0		4					
					Middle	5.5	0.5	243	26.1	26.1	8.0	8.0	27.7	27.7	71.8	71.9	5.0	5.0	1.0	5.0	5				5.0	5
						5.5	0.5	238	26.1		8.0		27.7		71.9		5.0		1.1		5					
					Bottom	10.0	0.5	266	25.6	25.6	8.1	8.1	29.2	29.2	66.1	66.1	4.6	4.6	1.7	4.6	4				4.6	4
						10.0	0.4	270	25.6		8.1		29.2		66.1		4.6		5							
IM1	Cloudy	Moderate	07:00	6.9	Surface	1.0	0.2	16	27.3	27.3	8.0	8.0	29.7	29.8	78.3	78.2	5.3	5.2	3.2	4.4	4	3	818354	806464		
						1.0	0.1	11	27.2		8.0		29.9		78.1		5.3		3.2		4					
					Middle	3.5	0.2	25	27.0	27.0	8.0	8.0	30.9	30.9	76.5	76.5	5.1	5.1	4.2	5.1	4				5.1	4
						3.5	0.2	27	26.9		8.0		31.0		76.4		5.1		4.4		4					
					Bottom	5.9	0.1	15	26.9	26.9	8.0	8.0	31.4	31.4	73.2	73.3	4.9	4.9	5.7	4.9	2				4.9	2
						5.9	0.1	15	26.9		8.0		31.4		73.3		4.9		2							
IM2	Cloudy	Moderate	07:05	7.0	Surface	1.0	0.2	348	27.4	27.4	7.9	7.9	28.7	28.7	78.8	78.8	5.3	5.0	2.9	7.3	4	4	819176	806255		
						1.0	0.1	351	27.4		7.9		28.7		78.7		5.3		3.1		5					
					Middle	3.5	0.1	324	26.8	26.8	8.0	8.0	31.4	31.4	70.7	70.8	4.7	4.8	8.9	4.8	3				4.8	3
						3.5	0.1	319	26.8		8.0		31.4		70.8		4.8		4							
					Bottom	6.0	0.1	312	26.8	26.8	8.0	8.0	31.4	31.4	71.7	71.8	4.8	4.8	10.1	4.8	4				4.8	4
						6.0	0.1	316	26.8		8.0		31.4		71.8		4.8		4							
IM7	Cloudy	Moderate	07:40	8.6	Surface	1.0	0.2	315	27.5	27.5	7.9	7.9	27.3	27.3	77.5	77.6	5.3	5.1	3.7	5.5	<2	3	821344	806815		
						1.0	0.2	311	27.5		7.9		27.2		77.6		5.3		3.5		<2					
					Middle	4.3	0.1	330	27.0	27.0	7.9	7.9	29.1	29.1	72.5	72.5	4.9	4.9	6.7	4.9	3				4.9	3
						4.3	0.1	327	27.0		7.9		29.1		72.4		4.9		4							
					Bottom	7.6	0.2	329	27.0	27.0	7.9	7.9	29.4	29.4	72.5	72.6	4.9	4.9	6.1	4.9	4				4.9	4
						7.6	0.1	334	27.0		7.9		29.4		72.7		4.9		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 20 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	09:15	10.0	Surface	1.0	0.4	282	27.2	8.4	8.4	24.3	24.3	83.2	83.2	5.8	5.5	2.8	5.6	6	4	822232	809815	
						1.0	0.4	279	27.1	8.4	8.4	24.4	24.4	83.1	83.2	5.8		2.9		5				
					Middle	5.0	0.3	306	26.4	8.3	8.3	26.3	26.3	72.7	72.7	5.1		5.1		5.3				4
						5.0	0.3	307	26.3	8.3	8.3	26.3	26.3	72.7	72.7	5.1		5.1		5.3				5
					Bottom	9.0	0.4	318	26.4	8.3	8.2	26.2	26.1	73.8	74.0	5.1		5.2		8.8				3
						9.0	0.3	311	26.4	8.2	8.2	26.1	26.1	74.2	74.2	5.2		5.2		8.8				3
IM11	Fine	Moderate	09:10	7.8	Surface	1.0	0.3	287	27.3	8.4	8.4	24.4	24.4	79.0	79.0	5.5	5.5	4.0	6.3	2	3	821515	810554	
						1.0	0.3	294	27.3	8.4	8.4	24.4	24.4	78.9	79.0	5.5		4.0		2				
					Middle	3.9	0.4	301	26.8	8.4	8.4	25.4	25.5	78.2	78.2	5.4		5.4		7.0				3
						3.9	0.4	299	26.7	8.4	8.4	25.5	25.5	78.2	78.2	5.4		5.4		6.9				2
					Bottom	6.8	0.3	305	26.7	8.3	8.3	25.8	25.8	74.0	74.1	5.1		5.1		8.0				3
						6.8	0.4	297	26.7	8.3	8.3	25.8	25.8	74.2	74.2	5.1		5.1		8.1				4
IM12	Fine	Moderate	09:06	7.2	Surface	1.0	0.3	293	27.1	8.5	8.5	24.4	24.4	81.6	81.7	5.7	5.5	5.4	6.7	4	3	821149	811532	
						1.0	0.3	292	27.1	8.5	8.5	24.4	24.4	81.7	81.7	5.7		5.4		4				
					Middle	3.6	0.4	294	26.5	8.4	8.4	26.0	26.1	74.4	74.4	5.2		5.2		6.7				2
						3.6	0.4	296	26.5	8.4	8.4	26.1	26.1	74.4	74.4	5.2		5.2		6.7				2
					Bottom	6.2	0.3	270	26.5	8.4	8.3	26.2	26.2	75.2	75.4	5.2		5.2		8.0				3
						6.2	0.3	275	26.5	8.3	8.3	26.2	26.2	75.5	75.5	5.2		5.2		7.8				3
SR1A	Fine	Moderate	08:39	4.0	Surface	1.0	0.0	179	27.2	7.8	7.8	25.0	25.0	80.7	80.7	5.6	5.6	1.7	1.7	3	3	819976	812659	
						1.0	0.0	180	27.1	7.8	7.8	25.0	25.0	80.7	80.7	5.6		1.7		3				
					Middle	2.0	0.0	190	-	-	-	-	-	-	-	-		-		-				-
						2.0	0.1	184	-	-	-	-	-	-	-	-		-		-				-
					Bottom	3.0	0.0	190	27.1	7.8	7.8	25.1	25.1	81.2	81.3	5.6		5.6		1.7				3
						3.0	0.0	189	27.2	7.8	7.8	25.1	25.1	81.4	81.4	5.6		5.6		1.7				2
SR2	Fine	Moderate	08:22	5.0	Surface	1.0	0.0	266	26.9	8.2	8.2	25.7	25.7	77.4	77.4	5.4	5.4	1.8	2.8	4	4	821475	814159	
						1.0	0.0	270	26.9	8.2	8.2	25.6	25.7	77.4	77.4	5.4		1.8		5				
					Middle	-	0.1	260	-	-	-	-	-	-	-	-		-		-				-
						-	0.2	266	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.0	0.1	281	26.6	8.4	8.4	26.4	26.4	72.1	72.3	5.0		5.0		3.8				4
						4.0	0.1	281	26.6	8.4	8.4	26.3	26.4	72.5	72.5	5.0		5.0		3.9				3
SR3	Cloudy	Moderate	07:48	8.3	Surface	1.0	0.2	338	27.6	7.9	7.9	26.3	26.3	78.3	78.3	5.3	5.2	2.7	4.6	2	3	822149	807553	
						1.0	0.2	343	27.5	7.9	7.9	26.4	26.3	78.3	78.3	5.3		2.9		3				
					Middle	4.2	0.3	337	27.3	7.9	7.9	27.7	27.7	74.6	74.8	5.1		5.1		5.5				3
						4.2	0.3	338	27.3	7.9	7.9	27.7	27.7	74.9	74.8	5.1		5.1		5.5				3
					Bottom	7.3	0.2	316	27.4	7.9	7.9	28.0	28.0	76.7	76.8	5.2		5.2		5.2				3
						7.3	0.2	322	27.4	7.9	7.9	28.1	28.0	76.8	76.8	5.2		5.2		5.6				4
SR4A	Cloudy	Moderate	06:11	8.2	Surface	1.0	0.0	241	27.1	7.8	7.8	29.9	29.9	70.6	70.6	4.8	4.7	6.6	8.2	5	4	817172	807832	
						1.0	0.0	241	27.1	7.8	7.8	29.9	29.9	70.5	70.6	4.7		6.8		4				
					Middle	4.1	0.0	237	26.9	7.8	7.8	30.3	30.3	69.0	69.0	4.7		4.7		8.5				3
						4.1	0.0	240	26.9	7.8	7.8	30.3	30.3	69.0	69.0	4.7		4.7		8.4				3
					Bottom	7.2	0.0	234	26.9	7.9	7.9	30.3	30.3	70.0	70.0	4.7		4.7		9.6				3
						7.2	0.0	229	26.9	7.9	7.9	30.3	30.3	70.0	70.0	4.7		4.7		9.6				3
SR8	Fine	Moderate	09:01	5.0	Surface	1.0	-	-	26.9	8.4	8.4	25.6	25.6	74.7	74.8	5.2	5.2	5.8	6.2	5	5	820389	811643	
						1.0	-	-	26.9	8.4	8.4	25.6	25.6	74.8	74.8	5.2		5.8		5				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-				-
						-	-	-	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.0	-	-	26.9	8.3	8.3	25.6	25.6	76.2	76.3	5.3		5.3		6.7				4
						4.0	-	-	26.9	8.3	8.3	25.6	25.6	76.4	76.4	5.3		5.3		6.7				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 22 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA										
C1	Sunny	Moderate	15:42	7.4	Surface	1.0	0.5	210	29.4	29.4	8.0	8.0	25.5	25.5	111.2	111.1	7.4	6.8	3.4	5.6	4	3	815608	804226								
						1.0	0.5	213	29.3	29.4	8.0	8.0	25.5	25.5	110.9	111.1	7.4		3.4		3											
					Middle	3.7	0.6	230	28.4	28.4	8.0	8.0	28.1	28.1	93.3	93.3	6.2	6.2	5.2	6.2	5.2				6.2	3						
						3.7	0.6	226	28.3	28.4	8.0	8.0	28.1	28.1	93.3	93.3	6.2		5.2		3											
					Bottom	6.4	0.6	196	27.7	27.8	7.9	7.9	31.8	31.8	74.5	74.6	4.9	4.9	8.1	4.9	8.1				4.9	2						
						6.4	0.6	190	27.8	27.8	7.9	7.9	31.8	31.8	74.6	74.6	4.9		8.1		3											
					C2	Sunny	Moderate	14:13	9.1	Surface	1.0	0.4	158	29.8	29.8	8.0	8.0	21.2	21.2	104.8	104.8				7.1	6.6	2.0	3.5	<2	2	825670	806922
											1.0	0.5	155	29.8	29.8	8.0	8.0	21.3	21.2	104.7	104.8				7.1		2.1		<2			
Middle	4.6	0.4	173	29.2						29.2	7.9	7.9	22.9	22.9	90.0	90.0	6.1	6.1	2.2	6.1	2.2	6.1	2									
	4.6	0.4	167	29.2						29.2	7.9	7.9	22.9	22.9	90.0	90.0	6.1		2.3		3											
Bottom	8.1	0.4	187	28.4						28.4	7.9	7.9	27.9	27.9	81.7	81.8	5.4	5.5	6.4	5.5	6.4	5.5	2									
	8.1	0.4	184	28.4						28.4	7.9	7.9	27.9	27.9	81.9	81.8	5.5		6.3		3											
C3	Sunny	Moderate	15:20	9.8						Surface	1.0	0.5	67	27.2	27.2	8.3	8.3	26.7	26.8	80.8	80.7	5.5	5.5	0.7	2.1	3	3	822090	817807			
											1.0	0.5	61	27.2	27.2	8.3	8.3	26.8	26.8	80.6	80.7	5.5		0.7		3						
					Middle	4.9	0.4	64	27.1	27.1	8.3	8.3	27.8	27.8	80.1	80.2	5.5	5.5	2.1	5.5	2.1	5.5	4									
						4.9	0.4	69	27.1	27.1	8.3	8.3	27.8	27.8	80.2	80.2	5.5		2.1		2											
					Bottom	8.8	0.4	86	27.0	27.1	8.3	8.2	28.2	28.1	80.8	81.4	5.5	5.6	3.3	5.6	3.3	5.6	2									
						8.8	0.4	82	27.1	27.1	8.2	8.2	28.1	28.1	81.9	81.4	5.6		3.3		3											
					IM1	Sunny	Moderate	15:17	6.9	Surface	1.0	0.4	188	29.3	29.3	8.1	8.1	24.8	24.8	114.1	114.1	7.6	7.4	2.7	3.3	2				2	818340	806439
											1.0	0.4	182	29.3	29.3	8.1	8.1	24.8	24.8	114.1	114.1	7.6		2.7		3						
Middle	3.5	0.4	183	29.0						29.0	8.1	8.1	26.0	25.9	106.7	106.7	7.1	7.1	2.7	7.1	2.7	7.1	2									
	3.5	0.4	190	29.0						29.0	8.1	8.1	25.9	25.9	106.7	106.7	7.1		2.7		2											
Bottom	5.9	0.4	205	27.8						27.8	7.9	7.9	31.4	31.4	76.3	76.3	5.0	5.0	4.4	5.0	4.4	5.0	2									
	5.9	0.3	201	27.8						27.8	7.9	7.9	31.4	31.4	76.3	76.3	5.0		4.5		2											
IM2	Sunny	Moderate	15:10	6.7						Surface	1.0	0.4	177	29.1	29.1	8.0	8.0	25.3	25.3	100.3	100.7	6.7	6.6	2.5	3.2	2	3	819203	806253			
											1.0	0.4	174	29.1	29.1	8.0	8.0	25.3	25.3	101.1	100.7	6.8		2.5		2						
					Middle	3.4	0.4	179	28.8	28.8	8.0	8.0	26.3	26.3	96.2	96.2	6.4	6.4	2.5	6.4	2.5	6.4	3									
						3.4	0.4	171	28.8	28.8	8.0	8.0	26.3	26.3	96.2	96.2	6.4		2.5		3											
					Bottom	5.7	0.3	177	27.8	27.8	8.0	8.0	31.3	31.3	76.6	76.6	5.1	5.1	4.7	5.1	4.7	5.1	2									
						5.7	0.3	179	27.8	27.8	8.0	8.0	31.3	31.3	76.6	76.6	5.1		4.7		3											
					IM7	Sunny	Moderate	14:48	7.7	Surface	1.0	0.3	160	29.4	29.4	8.0	8.0	22.5	22.5	97.5	97.5	6.6	6.5	2.1	3.1	2				2	821328	806816
											1.0	0.3	157	29.4	29.4	8.0	8.0	22.5	22.5	97.5	97.5	6.6		2.1		3						
Middle	3.9	0.2	165	29.2						29.2	7.9	7.9	22.6	22.6	95.3	95.3	6.4	6.4	2.2	6.4	2.2	6.4	2									
	3.9	0.2	171	29.2						29.2	7.9	7.9	22.6	22.6	95.2	95.3	6.4		2.2		2											
Bottom	6.7	0.2	176	28.7						28.8	7.9	7.9	25.5	25.5	85.8	85.9	5.8	5.8	5.0	5.8	5.0	5.8	2									
	6.7	0.2	175	28.8						28.8	7.9	7.9	25.4	25.5	85.9	85.9	5.8		4.8		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 22 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA			
IM10	Sunny	Moderate	14:05	8.6	Surface	1.0	0.4	96	28.0	28.0	8.2	8.2	23.3	23.3	82.7	82.7	5.7	5.7	1.5	1.5	4	3	822236	809861					
						1.0	0.5	98	27.9	28.0	8.2	8.2	23.4	23.3	82.7	82.7	5.7	5.7	1.5	1.5	3								
					Middle	4.3	0.4	103	27.6	27.6	8.2	8.2	24.3	24.4	82.3	82.2	5.7	5.7	2.0	2.0	2				2				
						4.3	0.5	104	27.5	27.6	8.2	8.2	24.5	24.4	82.1	82.2	5.7	5.7	2.0	2.0	2				2				
					Bottom	7.6	0.5	106	27.4	27.4	8.1	8.1	25.0	24.9	75.5	75.7	5.2	5.2	2.3	2.3	3				3				
						7.6	0.5	102	27.4	27.4	8.1	8.1	24.9	24.9	75.8	75.7	5.2	5.2	2.3	2.3	2				2				
IM11	Sunny	Moderate	14:14	8.0	Surface	1.0	0.5	91	28.3	28.3	8.1	8.1	23.2	23.2	86.7	86.7	5.9	5.9	1.2	1.2	3	3	821477	810528					
						1.0	0.6	90	28.2	28.3	8.1	8.1	23.3	23.2	86.6	86.7	5.9	5.9	1.3	1.3	3								
					Middle	4.0	0.6	97	27.3	27.3	8.1	8.1	25.2	25.3	75.8	75.7	5.2	5.2	3.7	3.7	3				3				
						4.0	0.5	92	27.3	27.3	8.1	8.1	25.4	25.3	75.5	75.7	5.2	5.2	3.8	3.8	2				2				
					Bottom	7.0	0.5	93	27.2	27.2	8.1	8.1	25.7	25.6	70.2	70.4	4.8	4.8	5.1	5.1	3				3				
						7.0	0.5	85	27.2	27.2	8.1	8.1	25.6	25.6	70.5	70.4	4.9	4.9	5.0	5.0	2				2				
IM12	Sunny	Moderate	14:19	7.6	Surface	1.0	0.6	102	27.4	27.4	8.1	8.1	25.1	25.2	69.2	69.1	4.8	4.8	3.6	3.6	3	3	821178	811495					
						1.0	0.7	96	27.3	27.4	8.1	8.1	25.3	25.2	68.9	69.1	4.7	4.7	3.7	3.7	3								
					Middle	3.8	0.6	104	27.1	27.1	8.1	8.1	25.9	25.9	68.7	68.8	4.7	4.7	6.4	6.4	2				2				
						3.8	0.6	97	27.1	27.1	8.1	8.1	25.9	25.9	68.8	68.8	4.7	4.7	6.4	6.4	2				2				
					Bottom	6.6	0.6	88	27.1	27.1	8.1	8.1	25.9	25.9	69.6	69.8	4.8	4.8	7.7	7.7	4				4				
						6.6	0.6	94	27.1	27.1	8.1	8.1	25.9	25.9	70.0	69.8	4.8	4.8	7.8	7.8	3				3				
SR1A	Sunny	Moderate	14:40	4.6	Surface	1.0	0.0	103	27.8	27.8	8.1	8.1	22.3	22.4	82.6	82.2	5.7	5.7	1.4	1.4	3	3	819978	812657					
						1.0	-	108	27.7	27.8	8.1	8.1	22.4	22.4	81.7	82.2	5.7	5.7	1.4	1.4	3								
					Middle	2.3	0.1	82	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.2	-	-
						2.3	0.1	83	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.2	-	-
					Bottom	3.6	0.0	79	27.8	27.9	8.1	8.1	25.3	25.3	71.3	71.8	4.9	4.9	3.0	3.0	2				2				
						3.6	0.0	84	27.9	27.9	8.1	8.1	25.3	25.3	72.3	71.8	4.9	4.9	3.0	3.0	3				3				
SR2	Sunny	Moderate	14:58	4.8	Surface	1.0	0.6	36	27.5	27.5	8.2	8.2	25.5	25.6	82.6	82.2	5.7	5.6	2.2	2.1	3	3	821473	814172					
						1.0	0.6	29	27.4	27.5	8.2	8.2	25.7	25.6	81.7	82.2	5.6	5.6	2.1	2.1	3								
					Middle	-	0.5	67	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.4	-	-
						-	0.5	60	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.4	-	-
					Bottom	3.8	0.6	68	27.3	27.3	8.1	8.1	25.9	25.9	77.4	77.7	5.3	5.4	2.7	2.8	3				3				
						3.8	0.6	61	27.3	27.3	8.1	8.1	25.8	25.9	77.9	77.7	5.4	5.4	2.8	2.8	3				3				
SR3	Sunny	Moderate	14:40	8.2	Surface	1.0	0.5	170	29.3	29.3	7.9	7.9	22.6	22.6	95.0	95.0	6.4	6.4	2.1	2.1	2	3	822139	807569					
						1.0	0.4	172	29.3	29.3	7.9	7.9	22.6	22.6	95.0	95.0	6.4	6.4	2.1	2.1	2								
					Middle	4.1	0.5	140	28.7	28.7	7.9	7.9	23.9	23.9	83.8	83.9	5.7	5.7	3.2	3.2	4				4				
						4.1	0.5	140	28.6	28.7	7.9	7.9	23.9	23.9	83.9	83.9	5.7	5.7	3.2	3.2	4				4				
					Bottom	7.2	0.5	138	28.3	28.3	7.9	7.9	27.9	27.9	78.4	78.5	5.2	5.2	4.1	4.1	4				4				
						7.2	0.6	138	28.3	28.3	7.9	7.9	27.9	27.9	78.5	78.5	5.2	5.2	4.2	4.2	4				4				
SR4A	Sunny	Moderate	16:10	9.6	Surface	1.0	0.0	339	29.5	29.5	8.1	8.1	25.1	25.1	106.3	106.3	7.1	7.1	3.1	3.1	4	4	817166	807820					
						1.0	0.0	339	29.4	29.5	8.1	8.1	25.1	25.1	106.2	106.3	7.1	7.1	3.1	3.1	3								
					Middle	4.8	-	358	28.5	28.5	8.0	8.0	27.5	27.6	88.3	88.0	5.9	5.8	4.4	4.3	4				4				
						4.8	0.0	356	28.5	28.5	8.0	8.0	27.7	27.6	87.7	88.0	5.8	5.8	4.3	4.3	3				3				
					Bottom	8.6	0.0	332	28.0	28.0	7.9	7.9	30.0	30.0	73.5	73.5	4.9	4.9	7.6	7.6	4				4				
						8.6	0.0	331	28.0	28.0	7.9	7.9	30.0	30.0	73.5	73.5	4.9	4.9	7.6	7.6	4				4				
SR8	Sunny	Moderate	14:24	5.8	Surface	1.0	-	-	27.8	27.8	8.1	8.1	24.4	24.4	79.5	79.4	5.5	5.5	1.2	1.2	4	4	820403	811633					
						1.0	-	-	27.7	27.8	8.1	8.1	24.5	24.4	79.2	79.4	5.4	5.4	1.2	1.2	4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	1.4	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	1.4	-	-
					Bottom	4.8	-	-	27.5	27.6	8.1	8.1	25.0	24.9	75.5	75.6	5.2	5.2	1.6	1.6	4				4				
						4.8	-	-	27.6	27.6	8.1	8.1	24.9	24.9	75.7	75.6	5.2	5.2	1.6	1.6	3				3				

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 22 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	08:16	8.3	Surface	1.0	0.2	38	28.2	28.2	8.0	8.0	28.9	28.8	84.4	84.5	5.6	5.4	3.7	6.6	3	3	815610	804239
						1.0	0.3	38	28.2	28.2	8.0	8.0	28.8	28.8	84.5	84.5	5.6		3.8					
					Middle	4.2	0.2	48	27.7	27.7	8.0	8.0	31.0	31.0	78.5	78.5	5.2	7.0	3					
						4.2	0.2	47	27.7	27.7	8.0	8.0	31.0	31.0	78.5	78.5	5.2	7.0	2					
					Bottom	7.3	0.2	48	27.6	27.6	8.0	8.0	31.7	31.7	76.4	76.4	5.0	9.1	<2					
						7.3	0.2	53	27.6	27.6	8.0	8.0	31.7	31.7	76.4	76.4	5.1	9.1	<2					
C2	Fine	Moderate	09:45	9.6	Surface	1.0	0.4	337	29.6	29.6	8.0	8.0	21.8	21.8	103.9	103.9	7.0	6.4	2.1	4.4	<2	2	825683	806935
						1.0	0.4	343	29.6	29.6	8.0	8.0	21.8	21.8	103.9	103.9	7.0		2.1					
					Middle	4.8	0.4	352	28.9	28.9	7.9	7.9	23.3	23.4	85.7	85.8	5.8	4.3	<2					
						4.8	0.4	356	28.9	28.9	7.9	7.9	23.4	23.4	85.8	85.8	5.8	4.3	<2					
					Bottom	8.6	0.4	353	28.3	28.3	7.9	7.9	28.2	28.2	78.2	78.2	5.2	6.9	<2					
						8.6	0.4	353	28.3	28.3	7.9	7.9	28.2	28.2	78.2	78.2	5.2	6.9	<2					
C3	Sunny	Moderate	09:26	10.6	Surface	1.0	0.5	242	27.2	27.2	8.0	8.0	26.1	26.1	77.7	77.6	5.3	5.2	0.8	1.5	2	2	822097	817812
						1.0	0.6	246	27.2	27.2	8.0	8.0	26.1	26.1	77.4	77.6	5.3		0.8					
					Middle	5.3	0.5	242	26.9	26.9	8.0	8.0	27.9	28.0	74.0	74.0	5.1	1.1	2					
						5.3	0.5	238	26.9	26.9	8.1	8.1	28.1	28.1	73.9	74.0	5.0	1.2	<2					
					Bottom	9.6	0.5	236	26.6	26.6	8.1	8.1	29.4	29.4	69.8	69.8	4.7	2.7	2					
						9.6	0.5	239	26.6	26.6	8.1	8.1	29.4	29.4	70.0	70.0	4.8	2.7	3					
IM1	Fine	Moderate	08:38	7.3	Surface	1.0	0.2	349	29.4	29.4	8.0	8.0	24.4	24.4	96.4	96.4	6.4	5.7	2.5	5.2	4	3	818370	806447
						1.0	0.2	348	29.4	29.4	8.0	8.0	24.4	24.4	96.3	96.4	6.4		2.5					
					Middle	3.7	0.2	10	27.7	27.7	7.9	7.9	30.9	30.9	73.5	73.5	4.9	6.1	3					
						3.7	0.2	9	27.7	27.7	7.9	7.9	30.9	30.9	73.5	73.5	4.9	6.1	2					
					Bottom	6.3	0.2	354	27.7	27.7	7.9	7.9	31.0	31.0	73.2	73.2	4.8	7.0	3					
						6.3	0.3	358	27.7	27.7	7.9	7.9	31.0	31.0	73.2	73.2	4.9	7.0	3					
IM2	Fine	Moderate	08:44	7.1	Surface	1.0	0.2	336	28.7	28.7	8.0	8.0	25.5	25.5	91.0	91.0	6.1	5.5	3.1	4.9	2	2	819205	806221
						1.0	0.2	332	28.7	28.7	8.0	8.0	25.5	25.5	91.0	91.0	6.1		3.1					
					Middle	3.6	0.2	0	27.7	27.7	7.9	7.9	30.6	30.6	74.4	74.4	4.9	4.9	<2					
						3.6	0.3	1	27.7	27.7	7.9	7.9	30.6	30.6	74.4	74.4	4.9	5.0	<2					
					Bottom	6.1	0.2	5	27.7	27.7	7.9	7.9	30.8	30.8	71.8	71.8	4.8	6.6	3					
						6.1	0.2	6	27.7	27.7	7.9	7.9	30.8	30.8	71.8	71.8	4.8	6.6	2					
IM7	Fine	Moderate	09:13	8.1	Surface	1.0	0.1	322	28.9	28.9	8.0	8.0	25.1	25.1	94.1	94.0	6.3	5.9	2.6	4.0	<2	2	821369	806819
						1.0	0.2	324	28.9	28.9	8.0	8.0	25.1	25.1	93.9	94.0	6.3		2.6					
					Middle	4.1	0.1	322	28.1	28.1	8.0	8.0	28.0	28.1	82.7	82.7	5.5	3.7	2					
						4.1	0.1	320	28.1	28.1	8.0	8.0	28.1	28.1	82.6	82.7	5.5	3.8	2					
					Bottom	7.1	0.2	319	27.8	27.8	8.0	8.0	30.7	30.7	75.9	76.0	5.0	5.6	3					
						7.1	0.2	317	27.8	27.8	8.0	8.0	30.7	30.7	76.0	76.0	5.0	5.6	2					

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Water Quality Monitoring

Water Quality Monitoring Results on 22 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	10:37	10.0	Surface	1.0	0.4	302	27.5	27.8	8.1	8.1	25.2	24.0	75.4	78.2	5.2	5.6	1.0	1.8	3	3	822243	809854
						1.0	0.3	308	28.1	8.1	22.8	81.0	5.6	1.0	3									
					Middle	5.0	0.4	313	28.1	28.0	8.1	8.1	22.9	23.4	81.2	82.4	5.6		1.3		3			
						5.0	0.4	315	27.8	8.1	23.9	83.5	5.8	1.4	2									
					Bottom	9.0	0.4	317	27.7	27.7	8.1	8.1	24.1	24.5	83.5	81.3	5.7		3.0		2			
						9.0	0.4	321	27.6	8.1	24.8	79.1	5.4	3.0	3									
IM11	Sunny	Moderate	10:29	7.4	Surface	1.0	0.3	297	27.9	27.9	8.1	8.1	23.5	23.5	84.3	84.2	5.8	5.6	1.6	2.3	3	3	821492	810523
						1.0	0.3	291	27.8	8.1	23.6	84.0	5.8	1.8	4									
					Middle	3.7	0.3	266	27.4	27.4	8.1	8.0	24.6	24.3	76.5	77.0	5.3		2.4		4			
						3.7	0.3	271	27.4	8.0	24.1	77.4	5.4	2.3	3									
					Bottom	6.4	0.4	304	27.2	27.2	8.0	8.0	25.5	25.5	72.5	72.7	5.0		2.8		3			
						6.4	0.3	298	27.2	8.0	25.5	72.8	5.0	2.9	3									
IM12	Sunny	Moderate	10:24	7.4	Surface	1.0	0.3	285	27.8	27.8	8.1	8.1	24.1	24.2	80.1	80.0	5.5	5.2	2.1	3.5	3	3	821180	811496
						1.0	0.3	290	27.7	8.1	24.3	79.9	5.5	2.0	3									
					Middle	3.7	0.4	284	27.1	27.1	8.0	8.0	25.9	25.9	70.5	70.6	4.9		4.1		3			
						3.7	0.4	282	27.1	8.0	25.9	70.6	4.9	4.0	2									
					Bottom	6.4	0.4	262	27.1	27.1	8.0	8.0	25.9	25.9	71.8	72.0	5.0		4.6		3			
						6.4	0.4	265	27.1	8.0	25.9	72.1	5.0	4.5	3									
SR1A	Sunny	Moderate	10:00	4.4	Surface	1.0	0.0	194	27.9	27.9	7.8	7.8	21.7	21.8	83.9	83.3	5.8	5.8	4.0	4.8	3	3	819976	812661
						1.0	0.0	201	27.8	7.8	21.8	82.6	5.8	4.1	2									
					Middle	2.2	0.0	204	-	-	-	-	-	-	-	-	-		-		-			
						2.2	0.0	205	-	-	-	-	-	-	-	-	-		-					
					Bottom	3.4	0.0	206	27.6	27.6	7.8	7.8	25.4	25.4	77.7	78.0	5.3		5.6		3			
						3.4	0.0	204	27.6	7.8	25.3	78.3	5.4	5.5	3									
SR2	Sunny	Moderate	09:47	5.2	Surface	1.0	0.1	289	27.8	27.8	7.9	7.9	23.4	23.5	82.6	82.6	5.7	5.7	3.0	4.7	2	2	821471	814158
						1.0	0.1	283	27.8	7.9	23.5	82.5	5.7	3.0	<2									
					Middle	-	0.0	308	-	-	-	-	-	-	-	-	-		-					
						-	0.0	302	-	-	-	-	-	-	-	-	-							
					Bottom	4.2	0.0	283	27.1	27.1	7.9	7.9	26.0	26.0	75.9	76.0	5.2		6.4		2			
						4.2	0.1	286	27.1	7.9	26.1	76.1	5.2	6.5	3									
SR3	Fine	Moderate	09:21	8.8	Surface	1.0	0.2	340	29.1	29.1	7.9	7.9	23.1	23.0	90.8	90.9	6.2	5.9	2.6	5.0	<2	2	822157	807568
						1.0	0.2	343	29.1	7.9	23.0	91.0	6.2	2.6	<2									
					Middle	4.4	0.2	351	28.6	28.6	7.9	7.9	25.9	25.9	82.4	82.4	5.5		3.9		<2			
						4.4	0.2	344	28.5	7.9	25.9	82.4	5.5	3.9	<2									
					Bottom	7.8	0.2	316	28.1	28.1	7.9	7.9	29.1	29.1	73.4	73.4	4.9		8.6		2			
						7.8	0.3	317	28.1	7.9	29.1	73.3	4.9	8.6	2									
SR4A	Fine	Moderate	07:59	10.2	Surface	1.0	0.0	150	29.0	29.0	7.9	7.9	25.0	25.0	94.5	94.5	6.3	5.8	2.6	4.2	3	3	817190	807816
						1.0	0.1	152	29.0	7.9	25.0	94.4	6.3	2.6	2									
					Middle	5.1	0.0	150	28.2	28.2	7.9	7.9	28.5	28.6	77.4	77.4	5.2		4.1		4			
						5.1	0.0	156	28.2	7.9	28.6	77.4	5.2	4.1	3									
					Bottom	9.2	0.1	139	28.0	28.0	7.9	7.9	30.0	30.0	72.9	72.9	4.8		5.9		2			
						9.2	0.0	137	28.0	7.9	30.0	72.9	4.8	5.9	2									
SR8	Sunny	Moderate	10:19	4.4	Surface	1.0	-	-	27.4	27.4	8.0	8.0	25.1	25.1	73.8	73.8	5.1	5.1	2.2	2.3	2	2	820382	811602
						1.0	-	-	27.4	8.0	25.1	73.8	5.1	2.2	2									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	3.4	-	-	27.3	27.3	7.9	7.9	25.4	25.4	74.3	74.4	5.1		2.3		2			
						3.4	-	-	27.3	7.9	25.4	74.5	5.1	2.3	3									

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

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

Water Quality Monitoring Results on 25 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
C1	Fine	Moderate	17:35	8.2	Surface	1.0	0.3	201	29.5	29.5	8.5	8.5	16.0	16.0	201.1	200.8	14.0	9.8	2.3	6.6	6	8	815618	804232							
						1.0	0.4	197	29.5		8.5		16.0		200.5		14.0		2.3		6										
					Middle	4.1	0.4	213	27.2	8.1	8.1	28.5	28.5	82.0	82.1	5.6	5.3	7.2	5.3	10.3	8	8			8						
						4.1	0.4	207	27.2	8.1		28.5		82.2		5.6		7.1		8											
					Bottom	7.2	0.4	215	27.1	8.1	8.1	28.9	28.9	78.9	79.0	5.3	5.3	10.3	5.3	10.1	8	8			8						
						7.2	0.4	219	27.1	8.1		28.9		79.0		5.3		10.1		8											
					C2	Fine	Moderate	15:49	11.9	Surface	1.0	0.2	161	29.4	29.4	8.5	8.5	18.4	18.4	172.0	172.0	11.9			9.5	1.9	2.2	9	9	825696	806929
											1.0	0.2	155	29.4		8.5		18.4		171.9		11.9				1.9		8			
Middle	6.0	0.2	174	28.6						8.1	8.1	23.5	23.5	102.5	102.5	7.0	5.4	0.8	5.4	4.0	5.4	4.0	10								
	6.0	0.2	170	28.6						8.1		23.5		102.5		7.0		0.9		10											
Bottom	10.9	0.2	152	28.3						8.0	8.0	24.7	24.6	78.9	79.2	5.4	5.4	4.0	5.4	4.0	5.4	4.0	10								
	10.9	0.2	152	28.4						8.0		24.5		79.5		5.4		4.0		10											
C3	Sunny	Moderate	17:39	12.4						Surface	1.0	0.3	63	30.2	30.2	8.5	8.5	24.2	24.2	194.8	194.7	12.9	10.0	1.8	2.2	7	9	822089	817795		
											1.0	0.3	59	30.2		8.5		24.2		194.5		12.8		1.9		8					
					Middle	6.2	0.3	88	28.6	8.1	8.1	28.9	28.9	107.6	107.6	7.1	5.5	1.6	5.5	3.1	5.5	3.2	9								
						6.2	0.3	89	28.6	8.1		28.9		107.5		7.1		1.6		8											
					Bottom	11.4	0.4	87	27.8	8.0	8.0	32.6	32.6	83.9	84.0	5.5	5.5	3.1	5.5	3.2	5.5	3.2	9								
						11.4	0.4	80	27.8	8.0		32.6		84.0		5.5		3.2		9											
					IM1	Fine	Moderate	17:13	6.2	Surface	1.0	0.3	188	29.6	29.6	8.5	8.5	14.6	14.6	171.1	172.1	12.0	9.9	2.4	2.7	9	8			818373	806445
											1.0	0.3	191	29.5		8.5		14.6		173.1		12.2		2.4		9					
Middle	3.1	0.2	188	28.5						8.4	8.4	24.3	24.2	112.9	113.1	7.7	6.6	2.5	6.6	3.2	6.6	3.2	8								
	3.1	0.2	180	28.5						8.4		24.2		113.3		7.7		2.5		7											
Bottom	5.2	0.3	182	28.0						8.3	8.3	25.8	25.8	97.8	97.9	6.6	6.6	3.2	6.6	3.2	6.6	3.2	8								
	5.2	0.2	180	28.0						8.3		25.8		97.9		6.6		3.2		8											
IM2	Fine	Moderate	17:07	6.6						Surface	1.0	0.2	200	29.3	29.3	8.5	8.5	17.0	17.0	190.0	189.8	13.2	11.3	2.4	2.2	7	7	819202	806239		
											1.0	0.2	201	29.3		8.5		17.0		189.6		13.2		2.4		8					
					Middle	3.3	0.2	202	29.0	8.4	8.4	20.3	20.3	137.1	137.1	9.4	6.4	1.8	6.4	2.5	6.4	2.5	7								
						3.3	0.2	196	29.0	8.4		20.4		137.0		9.4		1.8		8											
					Bottom	5.6	0.3	182	27.8	8.2	8.2	25.9	26.0	94.1	94.0	6.4	6.4	2.5	6.4	2.5	6.4	2.5	6								
						5.6	0.3	180	27.8	8.2		26.0		93.8		6.4		2.5		6											
					IM7	Fine	Moderate	16:37	8.4	Surface	1.0	0.2	173	29.2	29.2	8.5	8.5	18.8	18.8	169.4	165.8	11.7	10.0	2.4	4.0	9	8			821356	806856
											1.0	0.2	172	29.1		8.5		18.9		162.1		11.2		2.5		8					
Middle	4.2	0.2	158	28.8						8.3	8.3	22.5	22.4	124.3	124.4	8.5	5.4	3.7	5.4	5.7	5.4	5.7	8								
	4.2	0.2	160	28.8						8.3		22.4		124.5		8.5		4.0		8											
Bottom	7.4	0.2	165	27.4						8.2	8.2	28.1	28.1	80.0	80.1	5.4	5.4	5.7	5.4	5.7	5.4	5.7	8								
	7.4	0.1	159	27.4						8.2		28.1		80.2		5.4		5.6		8											

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Water Quality Monitoring

Water Quality Monitoring Results on 25 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Sunny	Moderate	15:54	9.1	Surface	1.0	0.2	111	30.3	30.3	8.5	8.5	21.4	21.5	173.5	173.3	11.6	9.7	2.4	2.8	8	822263	809846			
						1.0	0.2	114	30.2	8.5	21.5	173.0	11.6	2.4	9											
					Middle	4.6	0.2	90	29.3	8.2	8.2	25.8	25.8	115.6	115.6	7.7	7.7	2.3	8							
						4.6	0.2	83	29.3	8.2	25.8	115.5	7.7	2.3	9											
					Bottom	8.1	0.2	127	28.7	8.0	8.0	28.4	28.4	87.4	87.5	5.8	5.8	3.8	7							
						8.1	0.3	132	28.7	8.0	28.4	87.5	5.8	3.9	7											
IM11	Sunny	Moderate	16:03	7.8	Surface	1.0	0.3	102	30.0	30.0	8.4	8.4	22.3	22.3	161.4	161.3	10.8	9.0	2.5	3.4	7	821485	810545			
						1.0	0.3	101	30.0	8.4	22.3	161.2	10.8	2.5	8											
					Middle	3.9	0.3	73	29.4	8.1	8.1	25.4	25.4	109.3	109.2	7.3	7.3	1.8	9							
						3.9	0.3	72	29.4	8.1	25.4	109.0	7.2	1.8	8											
					Bottom	6.8	0.4	86	28.7	8.0	8.0	28.4	28.4	82.3	82.4	5.4	5.5	6.0	9							
						6.8	0.4	86	28.7	8.0	28.4	82.5	5.5	5.9	8											
IM12	Sunny	Moderate	16:13	7.3	Surface	1.0	0.4	113	29.9	29.9	8.3	8.3	22.8	22.8	149.1	149.0	10.0	8.6	2.8	4.6	8	821138	811533			
						1.0	0.4	109	29.9	8.3	22.8	148.8	10.0	2.8	8											
					Middle	3.7	0.4	83	29.3	8.1	8.1	25.7	25.7	106.1	106.3	7.1	7.1	3.3	8							
						3.7	0.4	87	29.3	8.1	25.7	106.4	7.1	3.3	9											
					Bottom	6.3	0.3	112	28.6	8.0	8.0	28.5	28.5	79.1	79.1	5.2	5.2	7.6	9							
						6.3	0.4	106	28.6	8.0	28.5	79.1	5.2	7.6	8											
SR1A	Sunny	Calm	16:52	5.1	Surface	1.0	0.0	143	29.7	29.7	8.3	8.3	23.9	23.9	136.6	136.6	9.1	9.1	2.4	2.7	7	819980	812654			
						1.0	0.0	143	29.7	8.3	23.9	136.5	9.1	2.3	6											
					Middle	2.6	0.0	124	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7
						2.6	0.0	127	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7
					Bottom	4.1	0.0	138	29.2	8.1	8.1	26.5	26.5	115.2	115.2	7.6	7.6	3.1	7							
						4.1	0.1	131	29.2	8.1	26.6	115.2	7.6	3.1	8											
SR2	Sunny	Calm	17:08	4.9	Surface	1.0	0.4	53	30.4	30.4	8.5	8.5	23.9	24.0	192.5	192.2	12.7	12.7	1.7	2.3	7	821469	814163			
						1.0	0.4	55	30.3	8.5	24.0	191.9	12.7	1.7	8											
					Middle	-	0.4	39	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8
						-	0.3	37	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8
					Bottom	3.9	0.4	67	29.9	8.4	8.4	25.1	25.0	170.0	170.3	11.2	11.3	2.9	8							
						3.9	0.4	65	29.9	8.4	25.0	170.5	11.3	2.9	8											
SR3	Fine	Moderate	16:25	9.0	Surface	1.0	0.4	155	29.8	29.8	8.5	8.5	17.7	17.7	206.9	207.1	14.2	10.8	2.1	3.2	8	822127	807560			
						1.0	0.4	158	29.8	8.5	17.7	207.3	14.3	2.1	8											
					Middle	4.5	0.4	176	28.7	8.2	8.2	22.9	23.0	107.6	107.5	7.3	7.3	2.2	6							
						4.5	0.4	178	28.7	8.2	23.0	107.3	7.3	2.2	6											
					Bottom	8.0	0.3	154	28.5	8.1	8.1	23.7	23.7	96.2	96.1	6.5	6.5	5.1	7							
						8.0	0.3	151	28.5	8.1	23.7	95.9	6.5	5.4	6											
SR4A	Fine	Moderate	18:03	8.8	Surface	1.0	0.1	346	30.0	30.1	8.5	8.5	15.7	15.7	183.4	183.4	12.7	11.7	2.6	3.7	7	817212	807795			
						1.0	0.1	344	30.1	8.5	15.7	183.4	12.7	2.6	6											
					Middle	4.4	0.0	350	29.4	8.4	8.4	19.1	19.2	154.0	153.8	10.6	10.6	3.8	7							
						4.4	0.0	352	29.4	8.4	19.2	153.6	10.6	3.7	7											
					Bottom	7.8	0.0	317	27.4	8.3	8.3	28.2	28.2	73.5	73.6	5.0	5.0	4.9	6							
						7.8	0.0	312	27.4	8.3	28.2	73.6	5.0	4.9	5											
SR8	Sunny	Calm	16:24	5.2	Surface	1.0	-	-	30.0	30.0	8.4	8.4	22.6	22.6	158.5	158.5	10.6	10.6	2.7	3.8	7	820368	811616			
						1.0	-	-	30.0	8.4	22.6	158.5	10.6	2.7	7											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	7	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	7	
					Bottom	4.2	-	-	29.4	8.2	8.2	25.2	25.2	117.0	117.1	7.8	7.8	4.9	8							
						4.2	-	-	29.4	8.2	25.2	117.1	7.8	4.9	7											

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Water Quality Monitoring

Water Quality Monitoring Results on 25 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	11:27	8.8	Surface	1.0	0.3	49	29.4	29.4	8.4	8.4	17.1	17.0	176.1	176.2	12.3	10.5	5.4	2.4	7	815625	804247	
						1.0	0.3	54	29.4	8.4	8.4	17.0	17.0	176.2	176.2	12.3	2.4			6				
					Middle	4.4	0.2	60	28.7	28.7	8.2	8.2	23.0	23.0	128.7	127.7	8.8			2.4	7			
						4.4	0.2	64	28.6	28.6	8.2	8.2	23.1	23.0	126.7	127.7	8.6			2.4	8			
					Bottom	7.8	0.2	33	27.1	27.1	8.0	8.0	29.0	29.0	75.6	75.8	5.1			11.4	7			
						7.8	0.2	36	27.1	27.1	8.0	8.0	29.0	29.0	75.9	75.8	5.1			11.7	8			
C2	Fine	Moderate	13:00	11.5	Surface	1.0	0.4	0	29.4	29.4	8.5	8.5	17.0	16.9	178.1	177.9	12.4	9.2	4.7	2.2	7	825668	806954	
						1.0	0.3	359	29.4	29.4	8.5	8.5	16.7	16.7	177.6	177.9	12.4			2.2	6			
					Middle	5.8	0.3	8	28.4	28.4	8.1	8.1	24.5	24.6	88.5	88.5	6.0			1.3	7			
						5.8	0.3	1	28.4	28.4	8.1	8.1	24.6	24.6	88.5	88.5	6.0			1.3	8			
					Bottom	10.5	0.3	10	28.2	28.2	8.1	8.1	25.0	25.0	70.8	71.2	4.8			10.7	7			
						10.5	0.3	9	28.2	28.2	8.1	8.1	25.0	25.0	71.5	71.2	4.9			10.6	8			
C3	Sunny	Calm	10:11	11.5	Surface	1.0	0.3	267	29.6	29.6	8.3	8.3	24.2	24.2	148.7	148.6	9.9	8.4	2.0	2.4	6	822114	817817	
						1.0	0.3	262	29.6	29.6	8.3	8.3	24.2	24.2	148.4	148.6	9.9			2.4	6			
					Middle	5.8	0.3	267	28.8	28.8	8.1	8.1	28.3	28.3	102.3	102.3	6.8			1.9	7			
						5.8	0.4	274	28.8	28.8	8.1	8.1	28.3	28.3	102.3	102.3	6.8			1.9	7			
					Bottom	10.5	0.4	283	28.4	28.4	8.0	8.0	30.4	30.4	95.8	95.9	6.3			1.8	6			
						10.5	0.4	280	28.4	28.4	8.0	8.0	30.4	30.4	95.9	95.9	6.3			1.8	7			
IM1	Fine	Moderate	11:52	6.2	Surface	1.0	0.3	14	29.3	29.3	8.4	8.4	18.8	18.7	167.0	166.6	11.5	10.0	4.3	2.2	6	818358	806446	
						1.0	0.3	16	29.3	29.3	8.4	8.4	18.7	18.7	166.1	166.6	11.5			2.2	6			
					Middle	3.1	0.3	9	28.7	28.7	8.3	8.3	21.9	21.9	124.0	123.7	8.5			2.2	6			
						3.1	0.3	12	28.7	28.7	8.3	8.3	21.9	21.9	123.3	123.7	8.4			2.2	6			
					Bottom	5.2	0.3	15	27.3	27.3	8.0	8.0	28.6	28.6	71.9	72.1	4.9			8.7	8			
						5.2	0.3	10	27.3	27.3	8.0	8.0	28.6	28.6	72.3	72.1	4.9			8.2	7			
IM2	Fine	Moderate	11:58	6.4	Surface	1.0	0.2	357	30.0	30.0	8.4	8.4	18.8	18.8	167.6	167.2	11.5	8.8	2.5	2.2	7	819161	806234	
						1.0	0.2	1	29.9	29.9	8.4	8.4	18.7	18.7	166.7	167.2	11.4			2.2	6			
					Middle	3.2	0.2	335	27.7	27.7	8.1	8.1	25.5	25.5	89.5	89.2	6.1			2.7	6			
						3.2	0.2	328	27.6	27.6	8.1	8.1	25.5	25.5	88.8	89.2	6.1			2.8	7			
					Bottom	5.4	0.3	0	27.2	27.2	8.1	8.1	28.6	28.6	71.3	71.4	4.8			2.4	7			
						5.4	0.3	359	27.2	27.2	8.1	8.1	28.6	28.6	71.5	71.4	4.8			2.4	8			
IM7	Fine	Moderate	12:27	8.1	Surface	1.0	0.1	338	29.4	29.4	8.4	8.4	18.6	18.6	166.9	166.8	11.5	9.4	4.0	2.0	6	821333	806828	
						1.0	0.1	336	29.3	29.3	8.5	8.5	18.6	18.6	166.7	166.8	11.5			2.0	7			
					Middle	4.1	0.1	338	28.8	28.8	8.2	8.2	22.6	22.6	107.1	106.9	7.3			2.5	7			
						4.1	0.1	338	28.8	28.8	8.2	8.2	22.6	22.6	106.7	106.9	7.3			2.6	6			
					Bottom	7.1	0.2	301	27.4	27.4	8.1	8.1	28.0	28.0	72.4	72.5	4.9			7.6	7			
						7.1	0.2	305	27.4	27.4	8.1	8.1	28.0	28.0	72.6	72.5	4.9			7.4	7			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 25 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA						
IM10	Sunny	Moderate	12:27	8.2	Surface	1.0	0.3	298	29.9	29.9	8.4	8.4	22.4	22.4	155.7	156.0	10.4	9.0	2.4	2.7	7	7	822223	809833				
						1.0	0.4	303	29.8	8.4	8.4	22.4	22.4	156.2	156.0	10.5	9.0	2.3	2.7	7	7							
					Middle	4.1	0.3	313	29.2	29.2	8.2	8.2	25.1	25.1	112.8	112.8	7.5	6.1	3.3	2.4	2.7	7			7			
						4.1	0.3	309	29.2	29.2	8.2	8.2	25.1	25.1	112.8	112.8	7.5	6.1	3.3	2.4	2.7	7			7			
					Bottom	7.2	0.3	305	28.8	28.8	8.0	8.0	28.0	28.0	91.6	91.5	6.1	6.1	3.3	2.4	2.7	6			7			
						7.2	0.4	299	28.8	28.8	8.0	8.0	28.0	28.0	91.4	91.5	6.0	6.1	3.3	2.4	2.7	6			7			
IM11	Sunny	Moderate	12:09	7.1	Surface	1.0	0.4	274	30.3	30.3	8.5	8.5	21.3	21.3	182.4	182.2	12.2	10.1	2.5	2.3	6	7	821489	810535				
						1.0	0.4	268	30.2	30.3	8.5	8.5	21.4	21.3	181.9	182.2	12.2	10.1	2.5	2.3	6	7						
					Middle	3.6	0.3	301	29.4	29.4	8.2	8.2	25.0	25.0	119.9	119.8	8.0	6.5	2.2	2.3	2.4	2.3			6	7		
						3.6	0.3	307	29.3	29.4	8.2	8.2	25.0	25.0	119.6	119.8	8.0	6.5	2.2	2.3	2.4	2.3			6	7		
					Bottom	6.1	0.3	303	28.8	28.8	8.0	8.0	28.2	28.2	97.8	97.9	6.5	6.5	2.2	2.4	2.4	2.2			2.4	6	7	
						6.1	0.3	303	28.8	28.8	8.0	8.0	28.3	28.2	97.9	97.9	6.5	6.5	2.2	2.4	2.4	2.2			2.4	6	7	
IM12	Sunny	Moderate	11:59	6.9	Surface	1.0	0.4	279	30.1	30.1	8.4	8.4	22.3	22.3	169.6	169.0	11.3	9.6	2.5	2.4	6	7	821149	811509				
						1.0	0.4	285	30.1	30.1	8.4	8.4	22.4	22.3	168.4	169.0	11.3	9.6	2.4	2.4	6	7						
					Middle	3.5	0.4	283	29.4	29.4	8.2	8.2	25.1	25.1	119.6	119.5	8.0	5.5	2.4	2.3	2.4	2.4			6	7		
						3.5	0.4	279	29.4	29.4	8.2	8.2	25.1	25.1	119.4	119.5	7.9	5.5	2.4	2.3	2.4	2.4			6	7		
					Bottom	5.9	0.4	286	28.6	28.6	8.0	8.0	28.8	28.8	83.3	83.3	5.5	5.5	2.4	2.4	2.4	2.4			6	7		
						5.9	0.4	284	28.6	28.6	8.0	8.0	28.8	28.8	83.3	83.3	5.5	5.5	2.4	2.4	2.4	2.4			6	7		
SR1A	Sunny	Calm	10:44	4.1	Surface	1.0	0.1	177	30.2	30.2	8.4	8.4	22.3	22.2	162.7	162.7	10.9	10.9	2.3	2.2	6	7	819977	812657				
						1.0	0.1	175	30.2	30.2	8.4	8.4	22.2	22.2	162.6	162.7	10.9	10.9	2.3	2.2	6	7						
					Middle	2.1	0.0	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
						2.1	0.0	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
					Bottom	3.1	0.0	167	29.4	29.4	8.2	8.2	25.5	25.5	130.0	130.0	8.6	8.6	2.1	2.1	2.1	2.1			7	7		
						3.1	0.1	172	29.4	29.4	8.2	8.2	25.5	25.5	129.9	130.0	8.6	8.6	2.1	2.1	2.1	2.1			7	7		
SR2	Sunny	Calm	10:31	4.4	Surface	1.0	0.0	310	29.8	29.8	8.3	8.3	24.0	24.0	140.1	139.9	9.3	9.3	2.5	2.7	6	7	821481	814167				
						1.0	0.1	312	29.8	29.8	8.3	8.3	24.0	24.0	139.6	139.9	9.3	9.3	2.4	2.7	6	7						
					Middle	-	0.1	288	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
						-	0.1	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
					Bottom	3.4	0.1	300	29.2	29.2	8.1	8.1	26.2	26.2	110.5	110.6	7.3	7.3	2.9	2.9	2.9	2.9			7	7		
						3.4	0.2	302	29.2	29.2	8.1	8.1	26.2	26.2	110.6	110.6	7.3	7.3	2.9	2.9	2.9	2.9			7	7		
SR3	Fine	Moderate	12:34	8.7	Surface	1.0	0.2	320	29.6	29.6	8.5	8.5	17.7	17.7	199.4	198.8	13.8	10.7	2.2	1.6	9	7	822146	807571				
						1.0	0.2	316	29.6	29.6	8.5	8.5	17.7	17.7	198.2	198.8	13.7	10.7	2.2	1.6	8	7						
					Middle	4.4	0.1	320	28.9	28.9	8.2	8.2	21.5	21.5	112.4	112.3	7.7	7.2	1.4	1.2	1.2	1.2			6	7		
						4.4	0.1	323	28.9	28.9	8.2	8.2	21.5	21.5	112.1	112.3	7.7	7.2	1.4	1.2	1.2	1.2			6	7		
					Bottom	7.7	0.2	348	28.6	28.6	8.1	8.1	23.6	23.6	106.8	104.9	7.3	7.2	1.2	1.3	1.3	1.3			6	7		
						7.7	0.1	353	28.6	28.6	8.1	8.1	23.6	23.6	102.9	104.9	7.0	7.2	1.3	1.3	1.3	1.3			6	7		
SR4A	Fine	Moderate	11:05	8.4	Surface	1.0	0.0	159	29.6	29.6	8.1	8.1	20.0	20.0	167.9	167.7	11.4	9.4	2.9	2.8	5	6	817192	807801				
						1.0	0.0	159	29.6	29.6	8.1	8.1	20.0	20.0	167.7	167.7	11.4	9.4	2.9	2.8	5	6						
					Middle	4.2	0.0	125	28.7	28.8	8.1	8.1	23.4	23.4	109.2	109.2	7.4	4.9	2.5	2.5	2.5	2.5			6	6		
						4.2	-	122	28.8	28.8	8.1	8.1	23.4	23.4	109.1	109.2	7.4	4.9	2.5	2.5	2.5	2.5			6	6		
					Bottom	7.4	0.0	130	27.3	27.4	8.2	8.2	28.5	28.5	73.0	73.0	4.9	4.9	2.5	2.5	2.5	2.5			6	6		
						7.4	0.1	133	27.4	27.4	8.2	8.2	28.5	28.5	73.0	73.0	4.9	4.9	2.5	2.5	2.5	2.5			6	6		
SR8	Sunny	Calm	11:49	4.3	Surface	1.0	-	-	30.9	30.9	8.5	8.5	20.8	20.8	186.8	186.7	12.4	12.4	1.9	2.4	8	10	820407	811630				
						1.0	-	-	30.9	30.9	8.5	8.5	20.8	20.8	186.6	186.7	12.4	12.4	2.0	2.4	8	10						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.3	-	-	29.8	29.8	8.3	8.3	23.9	23.9	129.0	129.1	8.6	8.6	2.8	2.8	2.8	2.8			11	12		
						3.3	-	-	29.8	29.8	8.3	8.3	23.9	23.9	129.2	129.1	8.6	8.6	2.8	2.8	2.8	2.8			11	12		

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	07:49	8.2	Surface	1.0	0.3	200	29.1	8.2	8.2	26.1	26.1	101.6	101.5	6.7	6.0	3.7	5.5	3	3	815623	804261	
						1.0	0.3	193	29.1	8.2	8.2	26.1	26.1	101.4	101.5	6.7								
					Middle	4.1	0.4	199	27.6	8.1	8.1	29.8	29.8	78.6	78.5	5.2								
						4.1	0.4	191	27.6	8.1	8.1	29.9	29.8	78.3	78.5	5.2								
					Bottom	7.2	0.3	226	27.2	7.9	7.9	32.8	32.8	55.7	55.8	3.6								
						7.2	0.3	224	27.2	7.9	7.9	32.8	32.8	55.9	55.8	3.7								
C2	Sunny	Moderate	09:09	11.5	Surface	1.0	0.6	158	30.4	8.4	8.4	21.4	21.4	145.7	145.2	9.6	7.3	3.8	3.4	4	825686	806935		
						1.0	0.6	157	30.4	8.4	8.4	21.4	21.4	144.7	145.2	9.5								
					Middle	5.8	0.6	154	28.5	8.0	8.0	28.8	28.9	77.9	77.8	5.1								
						5.8	0.7	148	28.4	8.0	8.0	29.0	28.9	77.7	77.8	5.1								
					Bottom	10.5	0.5	152	27.6	7.9	7.9	30.8	30.9	58.1	58.0	3.8								
						10.5	0.5	148	27.6	7.9	7.9	30.9	30.9	57.9	58.0	3.8								
C3	Misty	Moderate	08:10	9.0	Surface	1.0	0.3	86	30.7	8.3	8.3	20.8	20.8	134.6	134.5	9.0	8.1	5.6	1.2	4	822117	817822		
						1.0	0.3	89	30.7	8.3	8.3	20.8	20.8	134.3	134.5	9.0								
					Middle	4.5	0.3	75	29.4	8.2	8.2	23.9	23.9	108.1	107.8	7.2								
						4.5	0.3	75	29.4	8.2	8.2	23.9	23.9	107.5	107.8	7.2								
					Bottom	8.0	0.3	94	28.2	8.0	8.0	28.2	28.2	83.6	83.9	5.6								
						8.0	0.3	97	28.2	8.0	8.0	28.2	28.2	84.2	83.9	5.6								
IM1	Sunny	Moderate	08:02	6.4	Surface	1.0	0.3	175	28.7	8.0	8.0	29.0	29.0	80.6	80.5	5.2	4.7	3.5	3.8	3	818344	806445		
						1.0	0.3	179	28.7	8.0	8.0	29.0	29.0	80.4	80.5	5.2								
					Middle	3.2	0.3	193	27.4	7.9	7.9	30.8	31.0	63.5	63.5	4.2								
						3.2	0.3	186	27.3	7.9	7.9	31.1	31.0	63.5	63.5	4.2								
					Bottom	5.4	0.2	203	27.1	7.9	7.9	33.0	33.0	54.0	54.0	3.5								
						5.4	0.3	203	27.1	7.9	7.9	33.0	33.0	54.0	54.0	3.5								
IM2	Sunny	Moderate	08:08	6.7	Surface	1.0	0.3	211	28.8	8.1	8.1	28.0	28.0	84.0	83.9	5.5	4.8	3.5	2.6	4	819168	806249		
						1.0	0.3	215	28.8	8.1	8.1	28.1	28.0	83.7	83.9	5.5								
					Middle	3.4	0.3	209	27.3	7.9	7.9	31.6	31.6	62.1	62.1	4.1								
						3.4	0.3	208	27.3	7.9	7.9	31.6	31.6	62.1	62.1	4.1								
					Bottom	5.7	0.3	220	27.0	7.9	7.9	33.0	33.0	53.2	53.2	3.5								
						5.7	0.3	217	27.0	7.9	7.9	33.0	33.0	53.2	53.2	3.5								
IM7	Sunny	Moderate	08:38	7.9	Surface	1.0	0.2	205	30.3	8.4	8.4	21.3	21.3	130.3	130.0	8.6	6.6	3.6	3.7	4	821365	806855		
						1.0	0.2	197	30.3	8.4	8.4	21.3	21.3	129.7	130.0	8.6								
					Middle	4.0	0.3	199	28.1	8.0	7.9	28.5	28.5	67.7	67.6	4.5								
						4.0	0.2	198	28.0	7.9	7.9	28.6	28.5	67.4	67.6	4.5								
					Bottom	6.9	0.2	213	27.5	7.9	7.9	31.5	31.5	54.8	54.8	3.6								
						6.9	0.3	207	27.5	7.9	7.9	31.5	31.5	54.8	54.8	3.6								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Misty	Moderate	09:28	10.0	Surface	1.0	0.4	128	30.5	30.5	8.5	8.5	20.9	20.9	119.8	119.6	8.0	7.5	1.1	1.4	3	3	822248	809848				
						1.0	0.4	132	30.5	8.5	8.5	21.0	20.9	119.3	119.6	8.0	7.5	1.1	1.4	4	3							
					Middle	5.0	0.4	111	30.0	30.0	8.5	8.5	22.1	22.1	104.7	104.5	7.0	4.3	1.3	1.4	4	3						
						5.0	0.4	111	30.0	30.0	8.5	8.5	22.1	22.1	104.2	104.5	7.0	4.3	1.3	1.4	3	3						
					Bottom	9.0	0.4	119	28.6	28.6	8.3	8.3	26.4	26.4	64.1	63.9	4.3	4.3	1.7	1.4	3	3						
						9.0	0.4	124	28.5	28.6	8.3	8.3	26.4	26.4	63.7	63.9	4.3	4.3	1.6	1.4	3	3						
IM11	Misty	Moderate	09:21	7.6	Surface	1.0	0.5	93	30.6	30.6	8.6	8.6	19.9	20.0	129.8	129.6	8.7	7.9	1.1	1.7	4	4	821520	810556				
						1.0	0.5	85	30.6	30.6	8.6	8.6	20.0	20.0	129.3	129.6	8.7	7.9	1.1	1.7	4	4						
					Middle	3.8	0.5	92	30.1	30.1	8.6	8.6	21.2	21.2	106.1	105.5	7.1	4.9	1.6	1.7	4	4						
						3.8	0.5	87	30.1	30.1	8.6	8.6	21.2	21.2	104.8	105.5	7.0	4.9	1.5	1.7	4	4						
					Bottom	6.6	0.4	123	28.6	28.6	8.3	8.3	26.5	26.5	72.4	72.7	4.9	4.9	2.5	1.7	4	4						
						6.6	0.4	126	28.6	28.6	8.3	8.3	26.5	26.5	72.9	72.7	4.9	4.9	2.5	1.7	3	4						
IM12	Misty	Moderate	09:15	8.0	Surface	1.0	0.5	109	30.5	30.5	8.6	8.6	20.2	20.2	130.0	129.9	8.7	8.3	1.2	2.1	3	3	821179	811537				
						1.0	0.5	110	30.5	30.5	8.6	8.6	20.2	20.2	129.8	129.9	8.7	8.3	1.2	2.1	3	3						
					Middle	4.0	0.5	118	30.3	30.3	8.6	8.6	21.1	21.1	118.0	117.7	7.9	4.0	2.1	2.1	3	3						
						4.0	0.5	114	30.2	30.3	8.6	8.6	21.1	21.1	117.3	117.7	7.9	4.0	2.1	2.1	2	3						
					Bottom	7.0	0.4	120	27.8	27.8	8.4	8.4	29.5	29.5	60.3	60.5	4.0	4.0	3.1	2.1	2	3						
						7.0	0.5	125	27.8	27.8	8.4	8.4	29.5	29.5	60.6	60.5	4.0	4.0	3.1	2.1	4	3						
SR1A	Misty	Moderate	08:45	3.6	Surface	1.0	0.0	138	30.6	30.6	8.4	8.4	20.4	20.4	134.3	134.2	9.0	9.0	1.3	1.8	4	4	819977	812653				
						1.0	0.1	140	30.6	30.6	8.4	8.4	20.4	20.4	134.1	134.2	9.0	9.0	1.3	1.8	4	4						
					Middle	1.8	0.0	151	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						1.8	0.1	149	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	2.6	-	153	30.5	30.5	8.4	8.4	20.8	20.8	127.1	127.0	8.5	8.5	2.2	1.8	4	4						
						2.6	0.0	147	30.5	30.5	8.4	8.4	20.8	20.8	126.9	127.0	8.5	8.5	2.2	1.8	4	4						
SR2	Misty	Moderate	08:31	4.4	Surface	1.0	0.5	42	30.5	30.5	8.3	8.3	21.2	21.2	130.6	130.5	8.7	8.7	1.7	1.8	4	4	821439	814149				
						1.0	0.5	46	30.5	30.5	8.3	8.3	21.2	21.2	130.3	130.5	8.7	8.7	1.7	1.8	3	4						
					Middle	-	0.4	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.4	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	3.4	0.4	33	30.4	30.4	8.4	8.4	21.3	21.3	126.5	126.2	8.5	8.5	2.0	1.8	4	4						
						3.4	0.4	33	30.4	30.4	8.4	8.4	21.3	21.3	125.8	126.2	8.4	8.5	2.0	1.8	4	4						
SR3	Sunny	Moderate	08:46	8.6	Surface	1.0	0.5	169	30.2	30.2	8.3	8.3	21.6	21.6	133.6	133.7	8.8	8.0	1.5	2.6	3	3	822149	807587				
						1.0	0.5	174	30.2	30.2	8.3	8.3	21.6	21.6	133.7	133.7	8.8	8.0	1.6	2.6	3	3						
					Middle	4.3	0.5	163	29.5	29.5	8.2	8.2	24.6	24.7	109.2	109.1	7.2	5.0	1.6	2.6	3	3						
						4.3	0.6	164	29.4	29.5	8.2	8.2	24.8	24.7	109.0	109.1	7.2	5.0	1.7	2.6	3	3						
					Bottom	7.6	0.5	168	28.1	28.1	8.1	8.0	27.4	27.8	74.8	74.8	5.0	5.0	4.8	2.6	3	3						
						7.6	0.6	175	28.0	28.1	8.0	8.0	28.2	27.8	74.8	74.8	5.0	5.0	4.7	2.6	3	3						
SR4A	Sunny	Moderate	07:21	8.3	Surface	1.0	0.1	73	30.3	30.3	8.3	8.3	23.1	23.1	108.8	108.8	7.1	5.4	4.9	4.4	3	3	817175	807832				
						1.0	0.0	72	30.3	30.3	8.3	8.3	23.0	23.1	108.7	108.8	7.1	5.4	5.0	4.4	2	3						
					Middle	4.2	-	71	27.6	27.6	7.9	7.9	30.9	30.9	55.1	55.1	3.6	3.5	3.7	4.4	3	3						
						4.2	0.0	68	27.6	27.6	7.9	7.9	30.9	30.9	55.1	55.1	3.6	3.5	3.5	4.4	3	3						
					Bottom	7.3	0.0	98	27.2	27.2	7.9	7.9	32.0	32.0	52.6	52.6	3.5	3.5	4.7	4.4	3	3						
						7.3	0.0	94	27.2	27.2	7.9	7.9	32.0	32.0	52.6	52.6	3.5	3.5	4.7	4.4	3	3						
SR8	Misty	Moderate	09:10	4.4	Surface	1.0	-	-	30.6	30.6	8.6	8.6	20.3	20.3	135.6	135.3	9.1	9.1	1.4	1.8	3	3	820397	811601				
						1.0	-	-	30.6	30.6	8.6	8.6	20.3	20.3	135.0	135.3	9.0	9.1	1.4	1.8	3	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3
					Bottom	3.4	-	-	30.1	30.1	8.5	8.5	21.9	21.9	120.9	120.9	8.1	8.1	2.1	1.8	3	3						
						3.4	-	-	30.0	30.1	8.5	8.5	22.0	21.9	120.8	120.9	8.1	8.1	2.1	1.8	3	3						

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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 27 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Sunny	Moderate	14:57	8.0	Surface	1.0	0.2	37	30.8	30.8	8.4	8.4	21.2	21.2	141.8	141.6	9.4	9.4	6.8	1.3	5.6	3	815600	804256		
						1.0	0.3	34	30.8	8.4	8.4	21.2	21.2	141.3	141.3	9.4	9.4	6.8	1.3	5.6	3					
					Middle	4.0	0.3	56	27.7	27.7	8.0	8.0	31.7	31.7	61.7	61.7	61.7	61.7	4.1	4.1	5.9	5.9			3	3
						4.0	0.3	49	27.7	27.7	8.0	8.0	31.8	31.7	61.7	61.7	61.7	61.7	4.1	4.1	5.9	5.9			3	3
					Bottom	7.0	0.3	52	27.5	27.5	7.9	7.9	32.7	32.7	55.1	55.3	55.3	55.3	3.6	3.6	9.9	9.9			3	3
						7.0	0.2	57	27.5	27.5	7.9	7.9	32.7	32.7	55.4	55.3	55.3	55.3	3.6	3.6	9.3	9.3			3	3
C2	Sunny	Moderate	13:21	11.9	Surface	1.0	0.2	5	30.8	30.8	8.5	8.5	21.2	21.2	155.3	155.2	10.3	10.3	7.8	2.2	2.3	2	825678	806957		
						1.0	0.1	359	30.8	8.5	8.5	21.2	21.2	155.1	155.1	10.3	10.3	7.8	2.3	2.3	4					
					Middle	6.0	0.1	0	29.2	29.2	8.0	8.0	28.0	28.0	80.9	80.8	80.8	80.8	5.3	5.3	1.8	1.8			4	4
						6.0	0.1	356	29.1	29.1	8.0	8.0	28.1	28.0	80.7	80.7	80.7	80.7	5.3	5.3	1.8	1.8			4	4
					Bottom	10.9	0.2	353	28.3	28.3	7.9	7.9	30.4	30.4	68.5	68.5	67.3	67.3	4.5	4.5	3.0	3.0			4	4
						10.9	0.1	354	28.3	28.3	7.9	7.9	30.3	30.4	66.1	66.1	67.3	67.3	4.4	4.4	3.0	3.0			4	4
C3	Misty	Moderate	14:10	9.6	Surface	1.0	0.4	255	29.8	29.8	8.6	8.6	23.8	23.8	120.7	120.2	8.0	8.0	6.7	0.2	0.2	4	822114	817806		
						1.0	0.3	250	29.8	29.8	8.6	8.6	23.7	23.8	119.7	119.7	8.0	8.0	6.7	0.2	0.2	3				
					Middle	4.8	0.4	260	28.3	28.3	8.5	8.5	27.8	27.8	79.2	79.4	79.4	79.4	5.3	5.3	1.1	1.1			4	4
						4.8	0.3	255	28.3	28.3	8.5	8.5	27.8	27.8	79.5	79.5	79.5	79.5	5.3	5.3	1.1	1.1			4	4
					Bottom	8.6	0.4	276	28.3	28.3	8.5	8.4	28.0	27.9	87.6	87.7	87.7	87.7	5.8	5.9	1.3	1.3			3	3
						8.6	0.4	272	28.3	28.3	8.4	8.4	27.9	27.9	87.7	87.7	87.7	87.7	5.9	5.9	1.3	1.3			3	3
IM1	Sunny	Moderate	14:29	6.4	Surface	1.0	0.3	6	29.8	29.8	8.3	8.3	25.5	25.5	119.1	119.0	7.9	7.9	5.8	1.3	4.8	4	818365	806462		
						1.0	0.3	9	29.8	29.8	8.3	8.3	25.6	25.5	118.9	118.9	7.8	7.8	5.8	1.3	4.8	4				
					Middle	3.2	0.3	17	27.6	27.6	7.9	7.9	32.6	32.6	55.8	56.0	56.0	56.0	3.7	3.7	2.3	2.5			3	3
						3.2	0.3	19	27.6	27.6	7.9	7.9	32.6	32.6	56.1	56.1	56.1	56.1	3.7	3.7	2.5	2.5			3	3
					Bottom	5.4	0.3	27	27.5	27.5	7.9	7.9	32.9	32.9	49.1	49.2	49.2	49.2	3.2	3.2	10.6	10.6			3	3
						5.4	0.3	25	27.5	27.5	7.9	7.9	32.9	32.9	49.2	49.2	49.2	49.2	3.2	3.2	10.6	10.6			3	3
IM2	Sunny	Moderate	14:21	6.9	Surface	1.0	0.3	0	29.9	29.9	8.2	8.2	26.6	26.6	100.5	100.4	6.6	6.6	5.1	2.4	3.8	3	819184	806222		
						1.0	0.2	356	29.8	29.8	8.2	8.2	26.7	26.6	100.2	100.2	6.6	6.6	5.1	2.4	3.8	3				
					Middle	3.5	0.3	340	27.6	27.6	7.9	7.9	32.5	32.5	55.2	55.3	55.3	55.3	3.6	3.6	3.1	3.1			3	3
						3.5	0.3	342	27.6	27.6	7.9	7.9	32.5	32.5	55.3	55.3	55.3	55.3	3.6	3.6	3.1	3.1			3	3
					Bottom	5.9	0.2	14	27.5	27.5	7.9	7.9	32.9	32.9	49.0	49.0	49.0	49.0	3.2	3.2	5.7	5.8			4	4
						5.9	0.2	11	27.5	27.5	7.9	7.9	32.9	32.9	49.0	49.0	49.0	49.0	3.2	3.2	5.8	5.8			3	3
IM7	Sunny	Moderate	13:49	8.2	Surface	1.0	0.1	265	30.6	30.6	8.3	8.3	21.7	21.7	130.8	130.7	8.7	8.7	6.4	1.5	4.4	3	821350	806827		
						1.0	0.1	268	30.6	30.6	8.3	8.3	21.7	21.7	130.6	130.6	8.7	8.7	6.4	1.5	4.4	3				
					Middle	4.1	0.2	272	28.2	28.2	7.9	7.9	30.1	30.2	60.9	60.9	60.9	60.9	4.0	4.0	4.0	4.0			3	3
						4.1	0.2	267	28.1	28.1	7.9	7.9	30.2	30.2	60.8	60.8	60.8	60.8	4.0	4.0	4.3	4.3			3	3
					Bottom	7.2	0.2	276	27.8	27.8	7.9	7.9	31.5	31.5	52.8	52.9	52.9	52.9	3.5	3.5	7.6	7.7			3	3
						7.2	0.2	282	27.8	27.8	7.9	7.9	31.5	31.5	52.9	52.9	52.9	52.9	3.5	3.5	7.7	7.7			3	3

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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			Value	DA		
IM10	Misty	Moderate	12:55	8.6	Surface	1.0	0.1	264	30.6	30.6	8.5	8.5	20.8	20.8	122.5	122.4	8.2	7.4	0.2	0.6	4	4	822252	809854				
						1.0	0.2	266	30.6		8.5		20.8		122.2		8.2		0.2		3							
					Middle	4.3	0.2	264	29.7	8.5	8.5	23.0	23.0	96.9	96.8	6.5	0.4	4										
						4.3	0.2	264	29.6	8.5	8.5	23.0	23.0	96.7	96.7	6.5	0.4	3										
					Bottom	7.6	0.2	262	28.6	8.3	8.3	26.2	26.3	74.5	74.6	5.0	1.2	4										
						7.6	0.1	254	28.6	8.3	8.3	26.3	26.3	74.7	74.7	5.0	1.2	4										
IM11	Misty	Moderate	13:07	8.4	Surface	1.0	0.2	297	30.5	30.5	8.6	8.6	20.6	20.6	133.2	133.2	8.9	8.7	1.1	1.4	3	3	821524	810534				
						1.0	0.2	298	30.5		8.6		20.7		20.6		133.1		8.9		1.1				3			
					Middle	4.2	0.2	273	30.3	8.5	8.5	21.0	21.0	126.6	126.6	8.5	1.1	4										
						4.2	0.2	268	30.3	8.5	8.5	20.9	20.9	126.6	126.6	8.5	1.1	3										
					Bottom	7.4	0.1	288	30.0	8.5	8.5	22.3	22.2	118.4	118.6	7.9	2.0	3										
						7.4	0.2	283	30.1	8.5	8.5	22.2	22.2	118.7	118.6	7.9	2.0	4										
IM12	Misty	Moderate	13:13	7.6	Surface	1.0	0.2	293	30.8	30.8	8.6	8.6	20.1	20.1	132.9	132.7	8.9	8.4	1.0	1.4	4	4	821171	811511				
						1.0	0.3	291	30.7		8.6		20.1		20.1		132.5		8.9		0.9				3			
					Middle	3.8	0.2	295	30.3	8.6	8.6	21.3	21.3	116.6	116.5	7.8	1.2	3										
						3.8	0.2	294	30.3	8.6	8.6	21.3	21.3	116.4	116.5	7.8	1.2	4										
					Bottom	6.6	0.3	318	29.8	8.5	8.5	22.0	22.7	86.8	85.0	5.8	2.1	4										
						6.6	0.3	321	29.8	8.5	8.5	23.4	22.7	83.1	85.0	5.5	2.1	4										
SR1A	Misty	Moderate	13:33	4.2	Surface	1.0	0.1	164	30.6	30.6	8.6	8.6	21.2	21.2	118.0	115.7	7.9	7.8	1.1	1.3	2	4	819973	812666				
						1.0	0.1	164	30.5		8.6		21.2		21.2		113.4		115.7		7.6				1.1	4		
					Middle	2.1	0.0	180	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.1	0.1	179	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.2	-	194	30.1	8.5	8.5	21.9	22.6	96.0	96.5	6.4	1.6	4										
						3.2	0.1	186	30.1	8.4	8.5	23.3	22.6	96.9	96.5	6.4	1.6	4										
SR2	Misty	Moderate	13:49	4.0	Surface	1.0	0.1	310	30.3	30.3	8.6	8.6	22.7	22.7	120.5	120.3	8.0	8.0	2.2	2.6	4	4	821473	814148				
						1.0	0.1	308	30.3		8.6		22.7		22.7		120.0		120.3		8.0				2.2	3		
					Middle	-	0.1	287	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.1	293	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.0	0.1	294	28.7	8.5	8.5	26.6	26.6	96.9	97.3	6.5	3.0	4										
						3.0	0.1	289	28.8	8.5	8.5	26.6	26.6	97.6	97.3	6.5	3.1	5										
SR3	Sunny	Moderate	13:42	8.4	Surface	1.0	0.1	280	30.5	30.5	8.3	8.3	21.9	21.9	132.3	132.1	8.8	8.1	1.7	2.8	3	3	822133	807574				
						1.0	0.1	275	30.5		8.3		21.9		21.9		131.9		8.8		1.7				3			
					Middle	4.2	-	271	30.2	8.2	8.2	23.2	23.2	111.0	110.8	7.4	2.1	3										
						4.2	0.0	266	30.2	8.2	8.2	23.2	23.2	110.6	110.8	7.3	2.2	3										
					Bottom	7.4	0.0	287	27.8	7.9	7.9	31.6	31.7	52.9	53.0	3.5	4.3	3										
						7.4	0.0	292	27.8	7.9	7.9	31.7	31.7	53.1	53.0	3.5	4.7	3										
SR4A	Sunny	Moderate	15:28	9.2	Surface	1.0	0.0	113	31.3	31.3	8.3	8.3	22.7	22.7	123.9	123.9	8.1	6.2	3.6	5.4	4	3	817195	807825				
						1.0	0.0	120	31.2		8.3		22.7		22.7		123.8		123.9		8.1				3.6	3		
					Middle	4.6	0.0	98	28.7	8.0	8.0	28.9	28.9	63.4	63.5	4.2	6.4	3										
						4.6	0.1	94	28.7	8.0	8.0	28.9	28.9	63.6	63.5	4.2	6.4	3										
					Bottom	8.2	0.1	127	27.7	7.9	7.9	31.6	31.6	45.9	46.0	3.0	6.1	3										
						8.2	0.1	131	27.7	7.9	7.9	31.6	31.6	46.0	46.0	3.0	6.2	2										
SR8	Misty	Moderate	13:17	4.0	Surface	1.0	-	-	30.7	30.7	8.6	8.6	20.3	20.3	137.9	137.8	9.2	9.2	1.0	1.1	3	3	820369	811625				
						1.0	-	-	30.7		8.6		20.3		20.3		137.7		137.8		9.2				1.1	3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.0	-	-	30.6	30.6	8.6	8.6	20.5	20.5	134.8	134.9	9.0	1.2	3									
						3.0	-	-	30.6	30.6	8.6	8.6	20.5	20.5	134.9	134.9	9.0	1.2	3									

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Rainy	Rough	09:13	8.9	Surface	1.0	0.4	201	29.9	29.9	8.3	8.3	19.9	19.9	96.3	96.3	6.5	6.5	2.1	2.1	2	3	815638	804235		
						1.0	0.4	196	29.9	8.3	8.3	19.9	19.9	96.3	96.3	6.5	6.5	2.1	2.1	3						
					Middle	4.5	0.4	193	29.9	29.9	8.3	8.3	20.3	20.3	95.8	95.8	6.5	6.5	3.5	3.5	2				3.3	3
						4.5	0.5	188	29.9	29.9	8.3	8.3	20.3	20.3	95.7	95.7	6.5	6.5	3.5	3.5	3					
					Bottom	7.9	0.4	211	29.8	29.8	8.3	8.3	22.2	22.2	90.9	90.9	6.1	6.1	4.2	4.2	3				3	
						7.9	0.4	213	29.8	29.8	8.3	8.3	22.2	22.2	90.8	90.8	6.1	6.1	4.3	4.3	3					
C2	Rainy	Rough	10:54	9.6	Surface	1.0	0.8	173	29.9	29.9	8.3	8.3	20.7	20.7	90.7	90.6	6.1	6.1	2.1	2.1	3	3	825665	806948		
						1.0	0.8	179	29.9	29.9	8.3	8.3	20.7	20.7	90.4	90.4	6.1	6.1	2.2	2.2	3					
					Middle	4.8	0.8	172	29.0	29.0	8.2	8.2	25.4	25.4	62.4	62.4	4.2	4.2	7.0	7.0	3				6.0	3
						4.8	0.9	169	29.0	29.0	8.2	8.2	25.4	25.4	62.3	62.3	4.2	4.2	7.1	7.1	3					
					Bottom	8.6	0.8	187	28.7	28.7	8.2	8.2	26.7	26.6	55.5	55.6	3.7	3.7	8.8	8.8	2				3.7	3
						8.6	0.8	190	28.7	28.7	8.2	8.2	26.6	26.6	55.6	55.6	3.7	3.7	8.7	8.7	4					
C3	Misty	Moderate	10:16	10.2	Surface	1.0	0.3	68	28.0	28.0	7.8	7.8	26.3	26.3	78.6	78.6	5.3	5.3	1.5	1.5	3	4	822115	817794		
						1.0	0.3	63	28.0	28.0	7.8	7.8	26.3	26.3	78.5	78.5	5.3	5.3	1.5	1.5	4					
					Middle	5.1	0.4	66	27.8	27.8	7.8	7.8	27.2	27.2	72.3	72.1	4.9	4.9	2.3	2.3	4				2.9	4
						5.1	0.4	61	27.8	27.8	7.8	7.8	27.2	27.2	71.8	71.8	4.9	4.9	2.3	2.3	4					
					Bottom	9.2	0.4	69	26.4	26.4	7.7	7.7	30.7	30.7	55.8	55.9	3.8	3.8	4.9	4.9	4				3.8	4
						9.2	0.3	72	26.4	26.4	7.7	7.7	30.7	30.7	56.0	56.0	3.8	3.8	5.0	5.0	4					
IM1	Rainy	Rough	09:36	7.8	Surface	1.0	0.3	190	29.8	29.8	8.3	8.3	19.8	19.7	93.7	93.7	6.4	6.4	2.3	2.3	3	3	818345	806448		
						1.0	0.3	190	29.8	29.8	8.3	8.3	19.7	19.7	93.6	93.6	6.4	6.4	2.3	2.3	2					
					Middle	3.9	0.3	204	29.8	29.8	8.3	8.3	21.0	21.0	92.0	91.9	6.2	6.2	3.1	3.1	3				6.3	3
						3.9	0.4	197	29.7	29.7	8.3	8.3	21.0	21.0	91.8	91.8	6.2	6.2	3.1	3.1	3					
					Bottom	6.8	0.3	172	29.7	29.7	8.3	8.3	21.7	21.7	89.9	89.9	6.1	6.1	4.3	4.3	3				6.1	3
						6.8	0.3	167	29.7	29.7	8.3	8.3	21.7	21.7	89.8	89.8	6.1	6.1	4.4	4.4	3					
IM2	Rainy	Rough	09:49	7.5	Surface	1.0	0.4	187	29.3	29.3	8.3	8.3	23.0	23.0	77.9	77.9	5.2	5.2	3.6	3.6	3	4	819177	806250		
						1.0	0.4	185	29.3	29.3	8.3	8.3	23.0	23.0	77.9	77.9	5.2	5.2	3.6	3.6	4					
					Middle	3.8	0.4	211	29.4	29.4	8.3	8.3	24.2	24.2	78.4	78.4	5.2	5.2	4.6	4.6	4				5.2	4
						3.8	0.4	210	29.4	29.4	8.3	8.3	24.2	24.2	78.3	78.3	5.2	5.2	4.6	4.6	4					
					Bottom	6.5	0.4	202	28.3	28.3	8.1	8.1	28.4	28.4	56.6	56.8	3.8	3.8	6.3	6.3	4				3.8	4
						6.5	0.3	195	28.3	28.3	8.1	8.1	28.5	28.4	56.9	56.8	3.8	3.8	6.3	6.3	4					
IM7	Rainy	Rough	10:18	8.3	Surface	1.0	0.3	199	29.7	29.7	8.3	8.3	20.4	20.4	80.8	80.7	5.5	5.5	2.0	2.0	2	3	821370	806820		
						1.0	0.3	196	29.7	29.7	8.3	8.3	20.4	20.4	80.5	80.5	5.5	5.5	2.0	2.0	3					
					Middle	4.2	0.3	178	29.1	29.1	8.2	8.2	24.8	24.8	65.9	65.9	4.4	4.4	8.8	8.8	3				5.0	3
						4.2	0.2	175	29.1	29.1	8.2	8.2	24.8	24.8	65.9	65.9	4.4	4.4	8.8	8.8	2					
					Bottom	7.3	0.3	174	28.7	28.7	8.2	8.2	26.9	26.9	58.9	58.9	3.9	3.9	9.0	9.0	3				3.9	3
						7.3	0.2	180	28.7	28.7	8.2	8.2	26.9	26.9	58.8	58.8	3.9	3.9	9.1	9.1	3					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 July 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Moderate	11:46	10.0	Surface	1.0	0.6	134	29.3	29.3	8.0	8.0	20.9	20.9	94.0	94.0	6.4	6.3	1.1	3.5	2	2	822223	809820		
						1.0	0.6	131	29.3		8.0	8.0	20.9	20.9	94.0	94.0	6.4		1.1							
					Middle	5.0	0.5	137	29.2	29.2	8.0	8.0	21.7	21.7	91.2	91.2	6.2	6.1	3.4	6.1	2					
						5.0	0.6	140	29.2		8.0	8.0	21.7	21.7	91.2	91.2	6.2		3.4							
					Bottom	9.0	0.5	155	29.1	29.1	7.9	7.9	22.1	22.1	90.2	90.3	6.1	6.1	5.8	6.1	<2					
						9.0	0.5	155	29.1		7.9	7.9	22.1	22.1	90.4	90.3	6.1		5.9		<2					
IM11	Misty	Moderate	11:39	6.4	Surface	1.0	0.5	105	29.3	29.3	8.0	8.0	20.3	20.3	95.5	95.5	6.5	6.2	0.6	2.3	2	2	821481	810565		
						1.0	0.5	106	29.3		8.0	8.0	20.3	20.3	95.5	95.5	6.5		0.7							
					Middle	3.2	0.5	94	28.9	28.9	7.9	7.9	22.6	22.6	85.1	85.1	5.8	5.3	2.7	5.3	2					
						3.2	0.6	93	28.9		7.9	7.9	22.6	22.6	85.1	85.1	5.8		2.7							
					Bottom	5.4	0.6	90	28.5	28.5	7.9	7.9	24.6	24.6	78.7	78.8	5.3	5.3	3.6	5.3	2					
						5.4	0.6	96	28.5		7.9	7.9	24.6	24.6	78.9	78.8	5.3		3.6		2					
IM12	Misty	Moderate	11:31	7.6	Surface	1.0	0.6	108	29.3	29.3	8.0	8.0	20.1	20.1	95.0	95.0	6.5	6.1	0.5	2.0	<2	2	821180	811541		
						1.0	0.7	100	29.3		8.0	8.0	20.1	20.1	95.0	95.0	6.5		<2							
					Middle	3.8	0.6	120	28.8	28.8	7.9	7.9	22.9	22.9	81.9	81.9	5.6	4.4	1.5	4.4	2					
						3.8	0.6	121	28.8		7.9	7.9	22.9	22.9	81.9	81.9	5.6		1.5							
					Bottom	6.6	0.7	121	28.2	28.2	7.8	7.8	26.4	26.4	65.7	65.8	4.4	4.4	4.2	4.4	2					
						6.6	0.7	126	28.2		7.8	7.8	26.3	26.4	65.8	65.8	4.4		4.1		2					
SR1A	Misty	Moderate	10:58	4.8	Surface	1.0	-	147	28.7	28.7	7.9	7.9	23.9	23.9	85.2	85.2	5.8	5.8	1.1	1.5	<2	3	819976	812659		
						1.0	0.0	152	28.7		7.9	7.9	23.9	23.9	85.2	85.2	5.8		1.1		<2					
					Middle	2.4	0.0	152	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.4	0.0	155	-		-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	3.8	0.0	117	28.6	28.6	7.9	7.9	24.5	24.5	85.8	85.9	5.8	5.8	1.9	5.8	3					
						3.8	0.0	116	28.6		7.9	7.9	24.5	24.5	86.0	85.9	5.8		1.9		3					
SR2	Misty	Moderate	10:43	4.6	Surface	1.0	0.6	57	29.1	29.1	7.9	7.9	21.9	21.9	92.3	92.3	6.3	6.3	0.4	0.7	2	3	821486	814181		
						1.0	0.6	50	29.1		7.9	7.9	21.9	21.9	92.3	92.3	6.3		0.4							
					Middle	-	0.6	41	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.6	47	-		-	-	-	-	-	-	-	-	-	-	-				-	
					Bottom	3.6	0.6	42	28.7	28.7	7.9	7.9	24.2	24.2	83.5	83.6	5.7	5.7	1.0	5.7	4					
						3.6	0.6	44	28.7		7.9	7.9	24.2	24.2	83.6	83.6	5.7		1.0		3					
SR3	Rainy	Rough	10:32	8.8	Surface	1.0	0.7	175	29.9	29.9	8.3	8.3	19.3	19.3	91.3	91.2	6.2	5.4	3.1	4.9	4	4	822149	807562		
						1.0	0.7	178	29.9		8.3	8.3	19.3	19.3	91.0	91.2	6.2		3.1							
					Middle	4.4	0.6	165	29.1	29.1	8.2	8.2	24.6	24.6	68.2	68.3	4.6	4.2	5.4	4.2	4					
						4.4	0.6	162	29.1		8.2	8.2	24.6	24.6	68.3	68.3	4.6		5.5		3					
					Bottom	7.8	0.6	172	28.9	28.9	8.2	8.2	25.9	25.9	62.5	62.6	4.2	4.2	6.2	4.2	4					
						7.8	0.6	172	28.9		8.2	8.2	25.9	25.9	62.6	62.6	4.2		6.2		3					
SR4A	Rainy	Moderate	08:47	10.4	Surface	1.0	0.1	97	29.7	29.7	8.1	8.1	22.4	22.4	80.2	80.3	5.4	5.4	2.2	3.5	4	4	817206	807799		
						1.0	0.0	98	29.7		8.1	8.1	22.4	22.4	80.3	80.3	5.4		2.2							
					Middle	5.2	0.1	94	29.7	29.7	8.2	8.2	22.9	22.9	78.8	78.7	5.3	3.8	3.6	3.8	4					
						5.2	0.0	91	29.7		8.2	8.2	22.9	22.9	78.6	78.7	5.3		3.6							
					Bottom	9.4	0.1	115	28.2	28.2	8.0	8.0	28.8	28.8	57.6	57.6	3.8	3.8	4.6	3.8	4					
						9.4	0.1	110	28.2		8.0	8.0	28.8	28.8	57.6	57.6	3.8		4.7		4					
SR8	Misty	Moderate	11:23	4.4	Surface	1.0	-	-	29.4	29.4	7.9	7.9	22.2	22.2	89.2	89.2	6.0	6.0	4.1	4.7	3	3	820397	811604		
						1.0	-	-	29.3		7.9	7.9	22.2	22.2	89.2	89.2	6.0		4.1							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.4	-	-	29.1	29.1	7.9	7.9	22.5	22.6	86.9	86.8	5.9	5.9	5.3	5.9	2					
						3.4	-	-	29.0		7.9	7.9	22.6	22.6	86.7	86.7	5.9		5.3		3					

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 July 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Cloudy	Rough	17:50	8.2	Surface	1.0	0.4	36	29.7	29.7	8.3	8.3	21.1	21.1	93.8	93.7	6.3	6.3	6.3	2.6	1.4	1.4	5	4	815627	804227	
						1.0	0.3	42	29.7	8.3	8.3	21.1	21.1	93.6	93.7	6.3	6.3	4									
					Middle	4.1	0.4	20	29.8	29.8	8.3	8.3	21.3	21.2	92.3	92.3	6.2	6.2	6.3	6.3	2.3	2.3	3				3
						4.1	0.4	25	29.8	29.8	8.3	8.3	21.2	21.2	92.2	92.3	6.2	6.2	6.3	6.3	2.3	2.3	3				
					Bottom	7.2	0.4	28	29.5	29.5	8.3	8.3	22.8	22.8	85.3	85.4	5.7	5.7	5.7	5.7	4.2	4.2	3				3
						7.2	0.4	28	29.5	29.5	8.3	8.3	22.8	22.8	85.4	85.4	5.7	5.7	5.7	5.7	4.2	4.2	3				
C2	Cloudy	Rough	16:07	9.1	Surface	1.0	0.1	326	29.8	29.8	8.4	8.4	19.9	19.9	96.3	96.3	6.5	6.5	6.4	2.8	1.5	1.5	2	3	825703	806932	
						1.0	0.1	318	29.8	29.8	8.4	8.4	19.9	19.9	96.3	96.3	6.5	6.5					2				
					Middle	4.6	0.1	327	28.8	28.9	8.2	8.2	27.0	27.0	92.7	92.7	6.3	6.3	6.4	6.4	2.9	2.9	2				2
						4.6	0.1	320	28.9	28.9	8.2	8.2	27.1	27.0	92.7	92.7	6.3	6.3	6.4	6.4	2.9	2.9	3				
					Bottom	8.1	0.1	335	28.5	28.5	8.1	8.1	27.7	27.7	60.9	61.1	4.0	4.0	4.1	4.1	4.0	4.0	4				3
						8.1	0.1	332	28.5	28.5	8.1	8.1	27.7	27.7	61.3	61.1	4.1	4.1	4.1	4.1	4.0	4.0	3				
C3	Misty	Moderate	17:16	9.0	Surface	1.0	0.5	262	28.5	28.5	7.9	7.9	24.3	24.3	81.6	81.5	5.5	5.5	5.1	2.5	1.4	1.4	4	4	822106	817815	
						1.0	0.4	265	28.5	28.5	7.9	7.9	24.3	24.3	81.4	81.5	5.5	5.5					4				
					Middle	4.5	0.4	261	28.0	28.0	7.9	7.9	26.8	26.8	69.8	69.8	4.7	4.7	5.1	5.1	2.3	2.3	3				3
						4.5	0.3	262	28.0	28.0	7.9	7.9	26.8	26.8	69.8	69.8	4.7	4.7	5.1	5.1	2.3	2.3	4				
					Bottom	8.0	0.5	261	27.1	27.1	7.9	7.9	29.1	29.1	62.1	62.1	4.2	4.2	4.2	4.2	3.8	3.8	4				3
						8.0	0.4	265	27.1	27.1	7.9	7.9	29.1	29.1	62.1	62.1	4.2	4.2	4.2	4.2	3.8	3.8	3				
IM1	Cloudy	Rough	17:35	7.1	Surface	1.0	0.3	359	29.7	29.7	8.3	8.3	21.0	21.0	93.1	93.1	6.3	6.3	6.1	2.6	1.3	1.3	3	3	818360	806435	
						1.0	0.3	359	29.7	29.7	8.3	8.3	21.1	21.0	93.0	93.1	6.3	6.3					4				
					Middle	3.6	0.4	355	29.7	29.7	8.3	8.3	22.2	22.2	87.2	87.2	5.9	5.9	6.1	6.1	3.1	3.1	2				2
						3.6	0.4	-	29.7	29.7	8.3	8.3	22.2	22.2	87.2	87.2	5.9	5.9	6.1	6.1	3.1	3.1	3				
					Bottom	6.1	0.4	4	29.5	29.5	8.3	8.3	22.8	22.8	85.1	85.2	5.7	5.7	5.7	5.7	3.2	3.3	3				2
						6.1	0.4	7	29.5	29.5	8.3	8.3	22.8	22.8	85.2	85.2	5.7	5.7	5.7	5.7	3.3	3.3	2				
IM2	Cloudy	Rough	17:23	6.9	Surface	1.0	0.3	346	29.7	29.7	8.3	8.3	21.2	21.2	92.8	92.8	6.3	6.3	6.3	1.9	2.3	2.3	<2	2	819198	806231	
						1.0	0.3	341	29.7	29.7	8.3	8.3	21.2	21.2	92.8	92.8	6.3	6.3					<2				
					Middle	3.5	0.4	13	29.7	29.7	8.3	8.3	21.3	21.3	91.7	91.6	6.2	6.2	6.3	6.3	2.4	2.4	2				2
						3.5	0.4	18	29.7	29.7	8.3	8.3	21.3	21.3	91.5	91.6	6.2	6.2	6.3	6.3	2.4	2.4	2				
					Bottom	5.9	0.4	333	29.6	29.6	8.3	8.3	22.3	22.3	88.1	88.2	5.9	5.9	5.9	5.9	1.2	1.2	2				3
						5.9	0.4	331	29.6	29.6	8.3	8.3	22.3	22.3	88.2	88.2	5.9	5.9	5.9	5.9	1.2	1.2	3				
IM7	Cloudy	Rough	16:51	7.7	Surface	1.0	0.2	297	29.7	29.7	8.3	8.3	21.2	21.2	91.8	91.8	6.2	6.2	6.2	4.1	2.6	2.6	3	3	821329	806839	
						1.0	0.1	299	29.7	29.7	8.3	8.3	21.2	21.2	91.7	91.8	6.2	6.2					2				
					Middle	3.9	0.2	266	29.7	29.7	8.3	8.3	21.3	21.3	89.8	89.7	6.1	6.1	6.2	6.2	4.2	4.2	3				3
						3.9	0.2	266	29.7	29.7	8.3	8.3	21.3	21.3	89.6	89.7	6.1	6.1	6.2	6.2	4.3	4.3	3				
					Bottom	6.7	0.2	289	29.4	29.4	8.3	8.3	23.5	23.5	80.9	81.1	5.4	5.4	5.5	5.5	5.3	5.3	3				3
						6.7	0.2	287	29.4	29.4	8.3	8.3	23.5	23.5	81.2	81.1	5.5	5.5	5.5	5.5	5.4	5.4	3				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

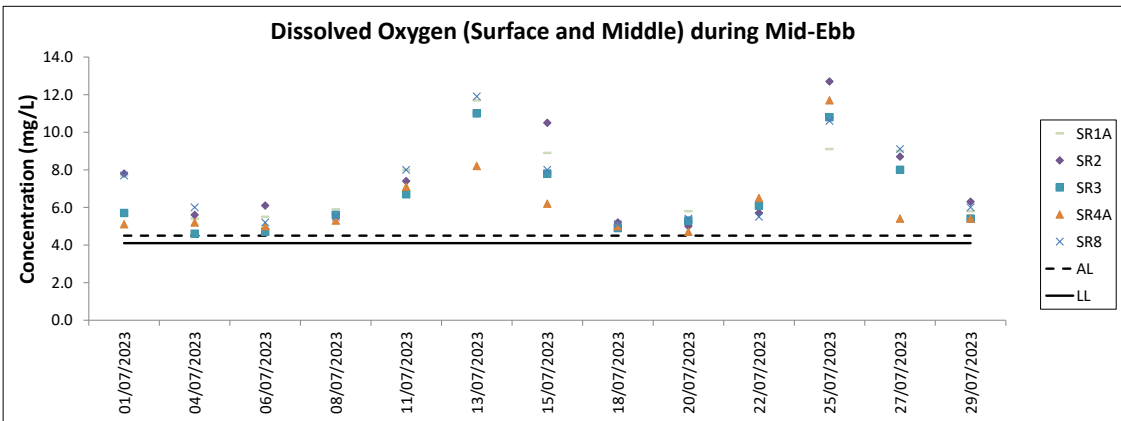
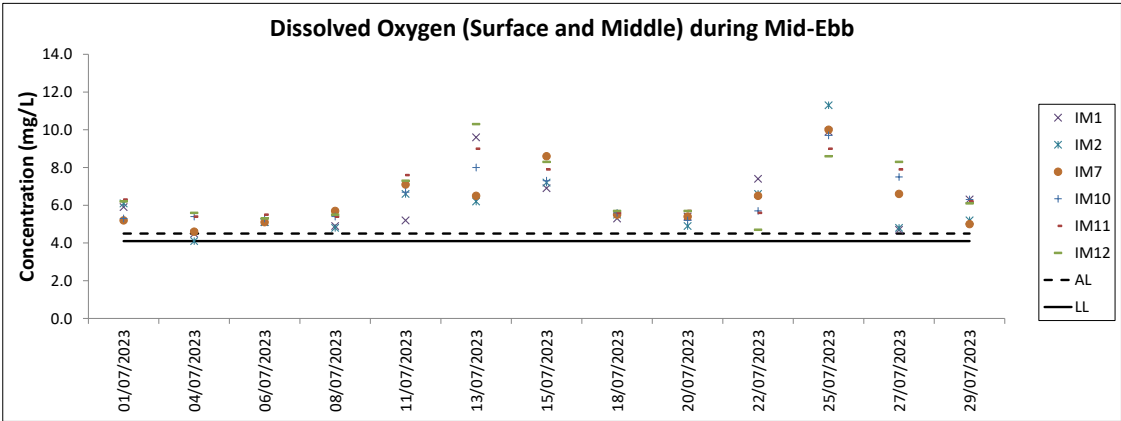
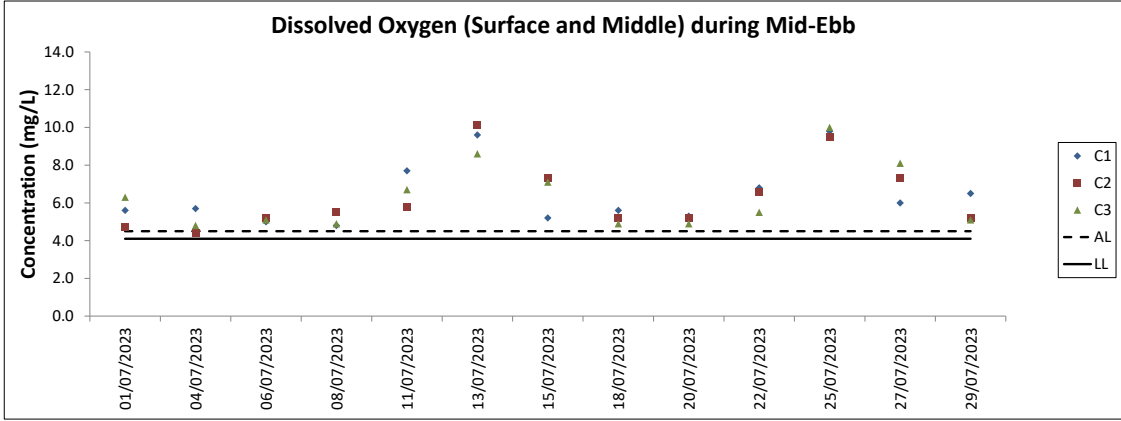
Water Quality Monitoring Results on 29 July 23 during Mid-Flood Tide

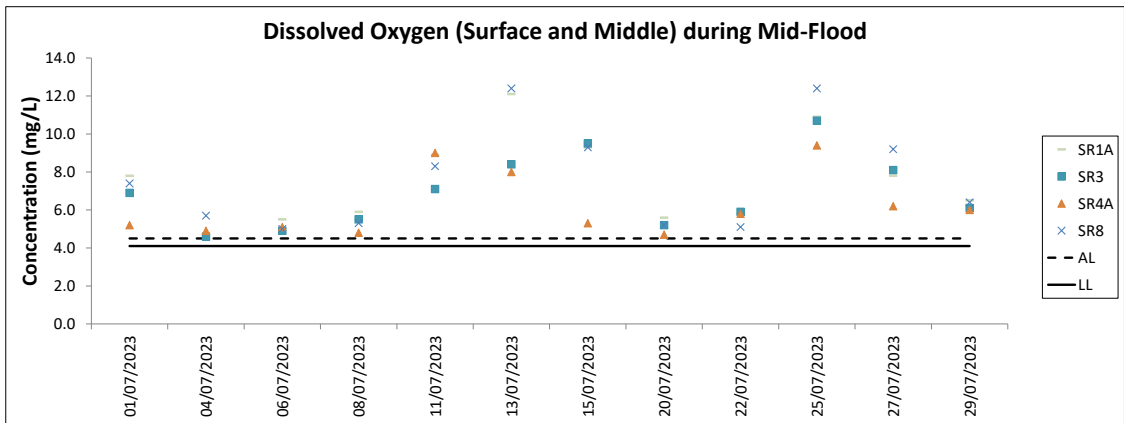
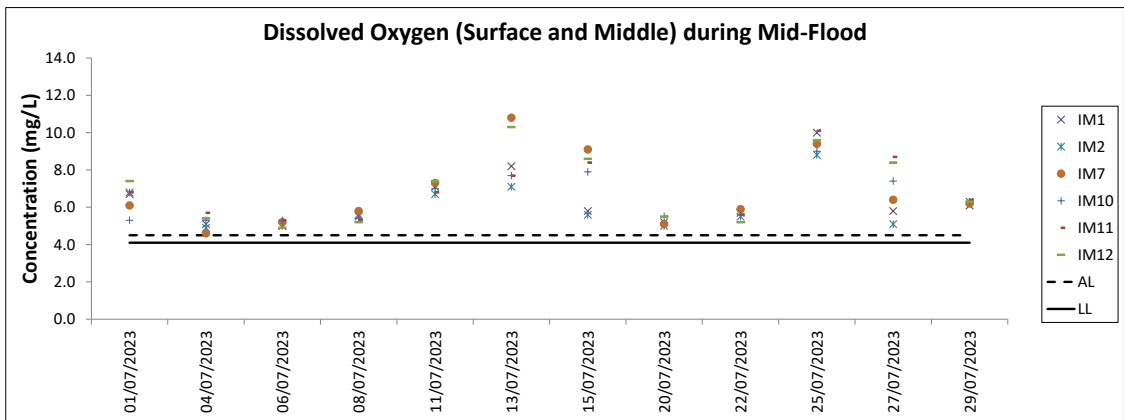
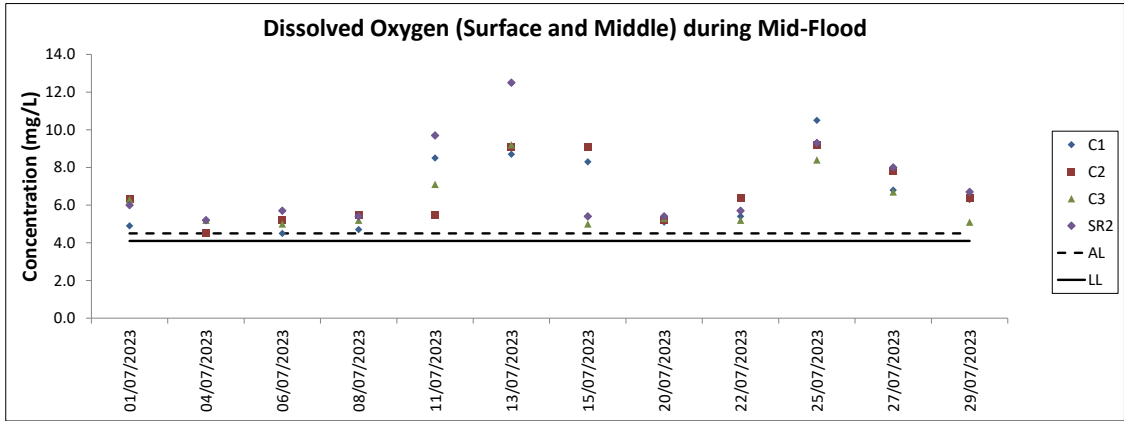
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA			
IM10	Misty	Moderate	16:07	8.4	Surface	1.0	0.3	284	29.3	29.3	8.0	8.0	20.7	20.7	95.2	95.2	6.5	6.3	1.0	1.9	2	2	822252	809841					
						1.0	0.3	289	29.3		8.0	8.0	20.7	20.7	95.1	95.2	6.5	6.3	1.0	1.9	2								
					Middle	4.2	0.3	268	29.2	8.0	8.0	21.8	21.9	90.0	90.0	6.1	6.1	1.9	1.9	<2	2				<2				
						4.2	0.3	272	29.1	8.0	8.0	21.9	21.9	90.0	90.0	6.1	6.1	2.0	1.9	<2	2				<2				
					Bottom	7.4	0.3	280	29.1	8.0	8.0	22.1	22.1	89.8	89.8	6.1	6.1	2.7	1.9	<2	2				<2				
						7.4	0.3	286	29.1	8.0	8.0	22.1	22.1	89.8	89.8	6.1	6.1	2.6	1.9	<2	2				<2				
IM11	Misty	Moderate	16:16	8.4	Surface	1.0	0.3	276	29.3	29.3	8.0	8.0	20.7	20.7	94.9	94.9	6.5	6.4	0.5	1.4	2	2	821479	810560					
						1.0	0.3	273	29.3		8.0	8.0	20.7	20.7	94.8	94.9	6.5	6.4	0.5	1.4	2								
					Middle	4.2	0.3	266	29.1	7.9	7.9	21.2	21.2	91.6	91.6	6.3	6.3	1.4	1.4	2	2				2				
						4.2	0.3	270	29.1	7.9	7.9	21.2	21.2	91.6	91.6	6.3	6.3	1.4	1.4	3	2				2				
					Bottom	7.4	0.3	276	28.9	7.9	7.9	23.0	23.0	84.4	84.5	5.7	5.7	2.3	1.4	2	2				2				
						7.4	0.3	268	28.8	7.9	7.9	23.0	23.0	84.5	84.5	5.7	5.7	2.4	1.4	3	2				2				
IM12	Misty	Moderate	16:21	7.6	Surface	1.0	0.4	279	29.3	29.3	8.0	8.0	20.5	20.5	94.9	94.9	6.5	6.3	0.5	1.2	2	2	821169	811537					
						1.0	0.4	280	29.3		8.0	8.0	20.5	20.5	94.8	94.9	6.5	6.3	0.6	1.2	2								
					Middle	3.8	0.4	297	29.0	8.0	8.0	22.4	22.4	87.8	87.8	6.0	6.0	1.4	1.2	<2	2				<2				
						3.8	0.4	295	29.0	8.0	8.0	22.4	22.4	87.8	87.8	6.0	6.0	1.4	1.2	<2	2				<2				
					Bottom	6.6	0.3	311	28.8	7.9	7.9	22.9	22.9	86.5	86.6	5.9	5.9	1.7	1.2	<2	2				<2				
						6.6	0.3	308	28.8	7.9	7.9	22.9	22.9	86.7	86.6	5.9	5.9	1.8	1.2	<2	2				<2				
SR1A	Misty	Moderate	16:37	4.0	Surface	1.0	0.1	189	29.0	29.0	8.0	8.0	21.3	21.3	95.5	95.5	6.5	6.5	1.4	1.6	3	2	819982	812655					
						1.0	0.1	192	29.0		8.0	8.0	21.3	21.3	95.4	95.5	6.5	6.5	1.4	1.6	2								
					Middle	2.0	0.0	176	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2	-	-
						2.0	0.0	173	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2	-	-
					Bottom	3.0	0.1	179	28.9	8.0	8.0	22.9	22.8	89.6	89.6	6.1	6.1	1.7	1.6	<2	2				<2				
						3.0	0.1	179	28.9	8.0	8.0	22.8	22.8	89.6	89.6	6.1	6.1	1.8	1.6	<2	2				<2				
SR2	Misty	Moderate	16:58	4.8	Surface	1.0	0.1	271	29.4	29.4	8.0	8.0	20.5	20.5	97.6	97.6	6.7	6.7	0.6	0.7	<2	<2	821475	814163					
						1.0	0.1	276	29.4		8.0	8.0	20.5	20.5	97.6	97.6	6.7	6.7	0.6	0.7	<2								
					Middle	-	0.2	300	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2	-	-
						-	0.1	302	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2	-	-
					Bottom	3.8	0.1	305	29.1	8.0	8.0	21.7	21.7	93.0	93.0	6.3	6.3	0.7	0.7	<2	2				<2				
						3.8	0.1	309	29.1	8.0	8.0	21.7	21.7	93.0	93.0	6.3	6.3	0.7	0.7	<2	2				<2				
SR3	Cloudy	Rough	16:39	8.2	Surface	1.0	0.0	245	29.7	29.7	8.3	8.3	20.8	20.8	93.1	93.1	6.3	6.1	3.1	5.6	2	2	822131	807593					
						1.0	0.0	252	29.7		8.3	8.3	20.8	20.8	93.1	93.1	6.3	6.1	3.1	5.6	2								
					Middle	4.1	0.1	240	29.6	8.3	8.3	21.5	21.5	87.2	87.1	5.9	5.9	4.7	5.6	2	2				2				
						4.1	0.1	233	29.6	8.3	8.3	21.5	21.5	86.9	87.1	5.9	5.9	4.8	5.6	2	2				2				
					Bottom	7.2	0.1	269	29.1	8.2	8.2	24.9	24.9	70.0	70.0	4.7	4.7	8.8	5.6	3	2				2				
						7.2	0.0	273	29.1	8.2	8.2	24.9	24.9	69.9	70.0	4.7	4.7	8.9	5.6	2	2				2				
SR4A	Cloudy	Rough	18:47	9.8	Surface	1.0	0.0	131	29.7	29.7	8.3	8.3	21.1	21.1	92.7	92.7	6.3	6.0	2.2	3.0	3	3	817191	807813					
						1.0	0.0	138	29.7		8.3	8.3	21.1	21.1	92.6	92.7	6.3	6.0	2.3	3.0	3								
					Middle	4.9	0.1	111	29.6	8.3	8.3	22.5	22.5	84.1	84.4	5.7	5.7	3.3	3.0	4	3				4				
						4.9	0.0	108	29.6	8.3	8.3	22.5	22.5	84.6	84.4	5.7	5.7	3.3	3.0	2	3				4				
					Bottom	8.8	0.0	138	29.5	8.3	8.3	23.1	23.1	77.3	77.3	5.2	5.2	3.4	3.0	4	3				4				
						8.8	0.0	131	29.5	8.3	8.3	23.1	23.1	77.3	77.3	5.2	5.2	3.5	3.0	4	3				4				
SR8	Misty	Moderate	16:26	4.2	Surface	1.0	-	-	29.1	29.1	8.0	8.0	21.2	21.2	93.5	93.5	6.4	6.4	1.3	1.8	2	2	820403	811625					
						1.0	-	-	29.1		8.0	8.0	21.2	21.2	93.4	93.5	6.4	6.4	1.3	1.8	2								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2	-	-
					Bottom	3.2	-	-	28.9	28.9	8.0	8.0	22.2	22.2	91.0	91.3	6.2	6.2	2.4	1.8	2				2	2			
						3.2	-	-	28.9	28.9	8.0	8.0	22.2	22.2	91.5	91.3	6.2	6.2	2.4	1.8	2				2	2			

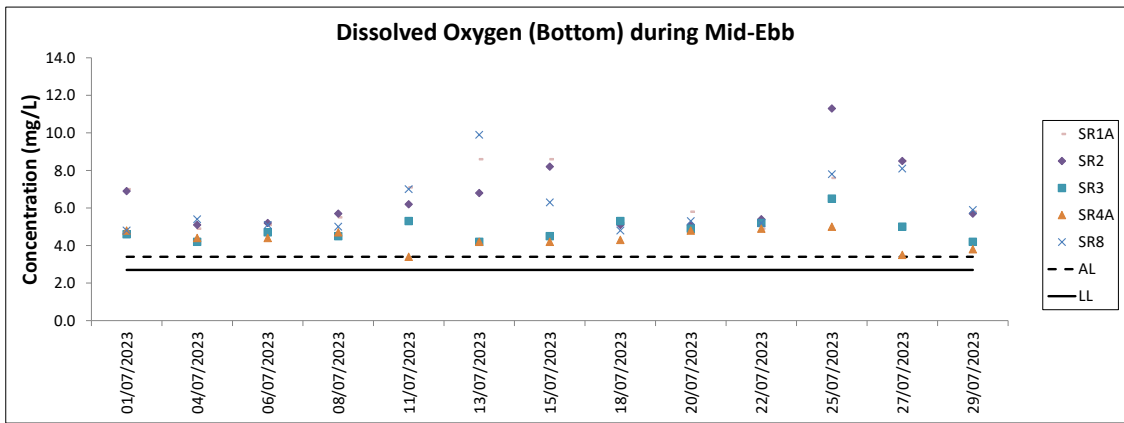
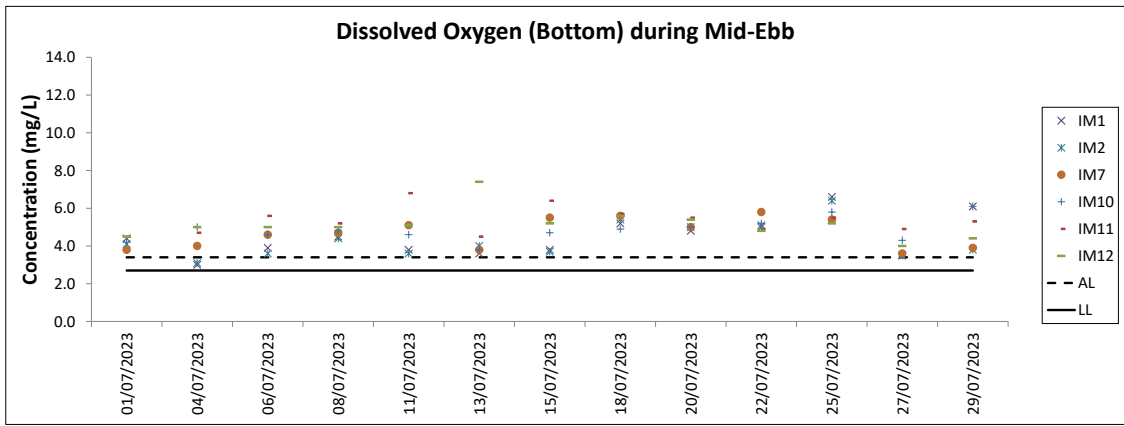
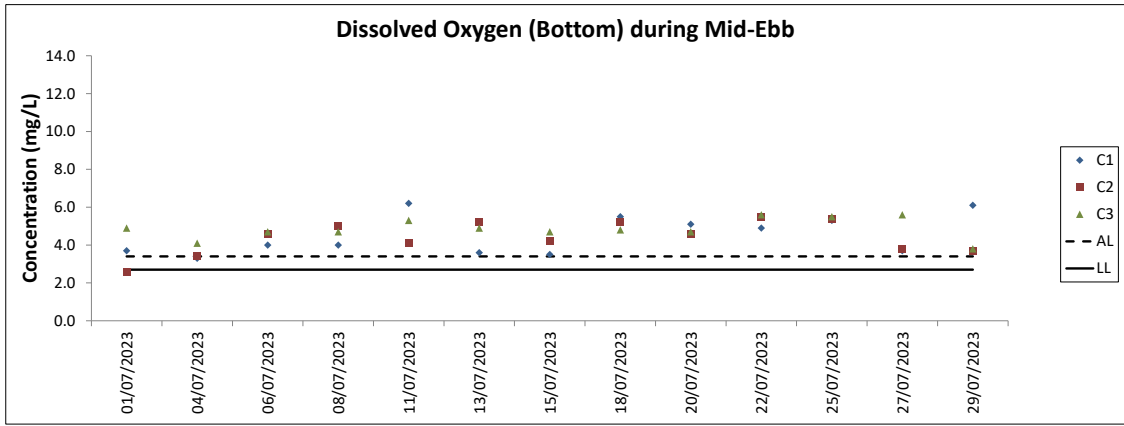
DA: Depth-Averaged

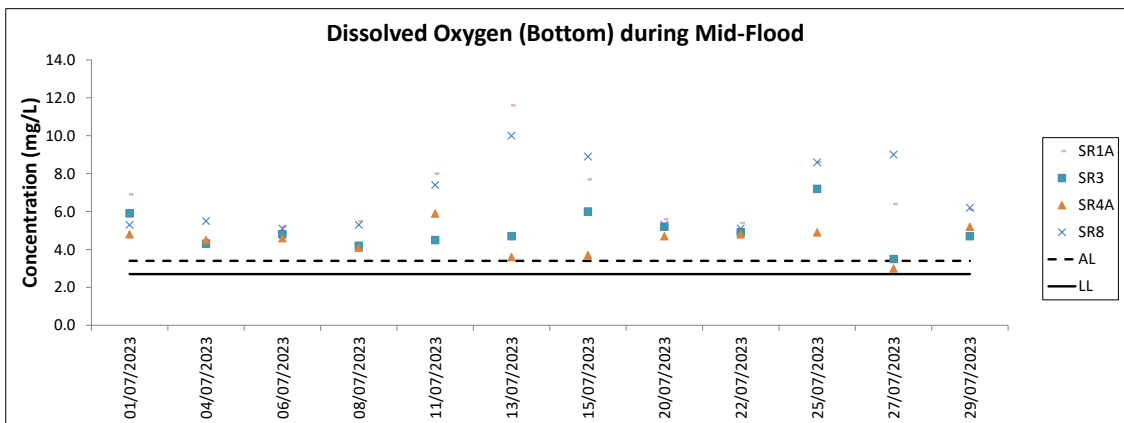
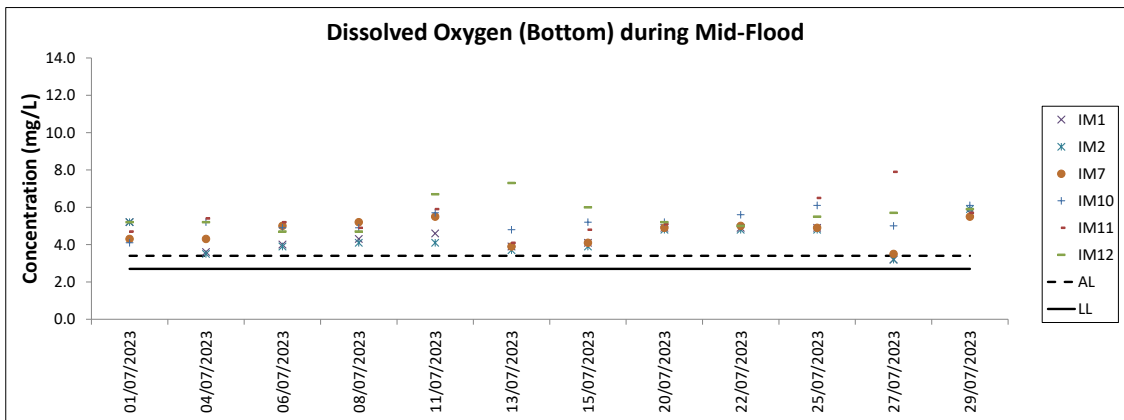
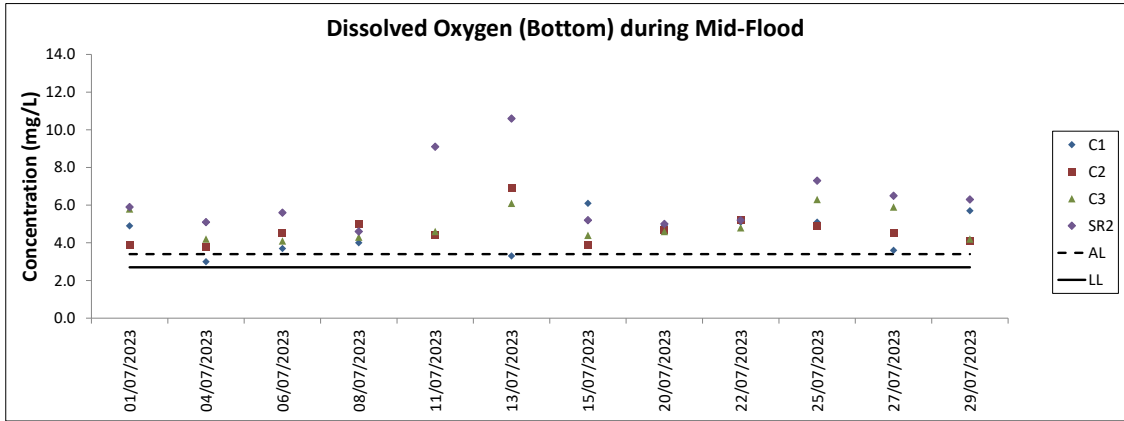
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

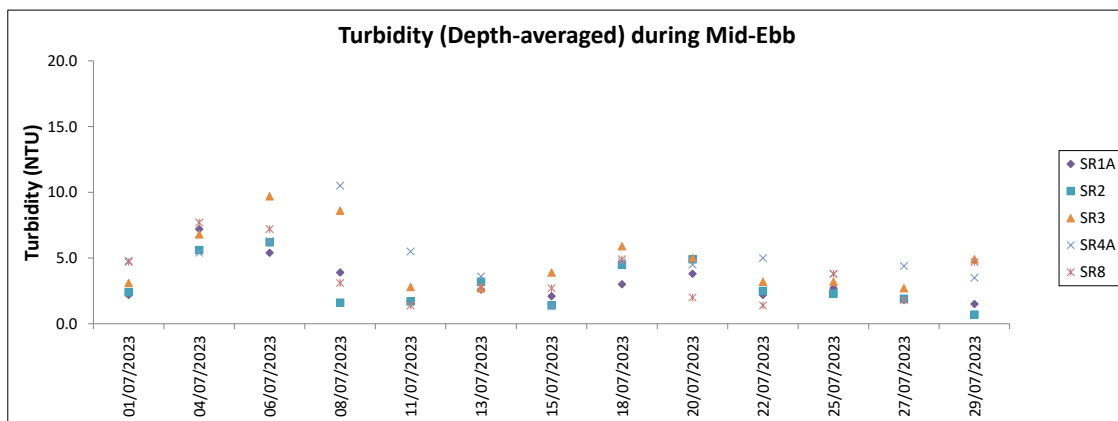
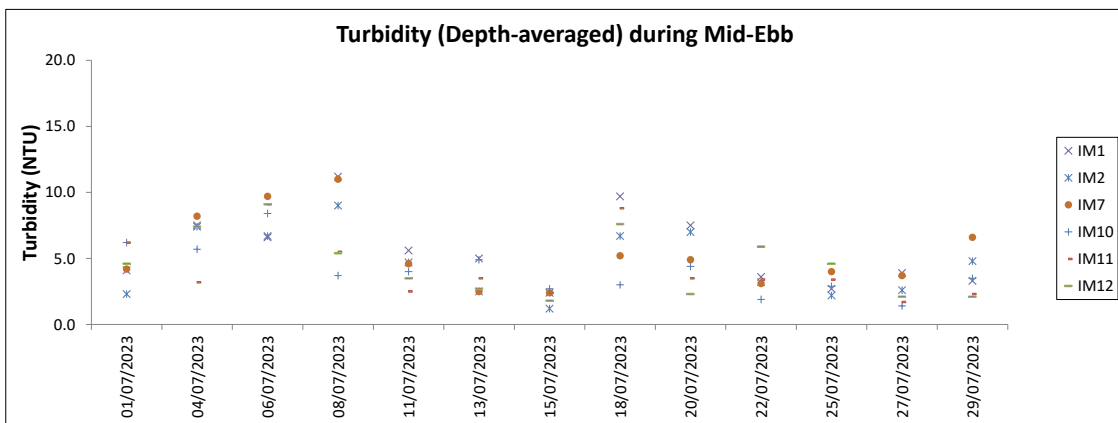
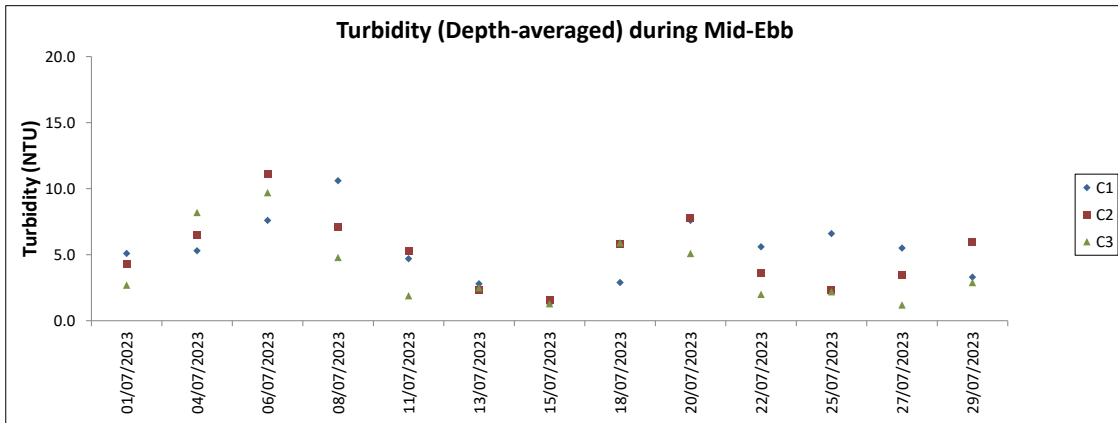
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined



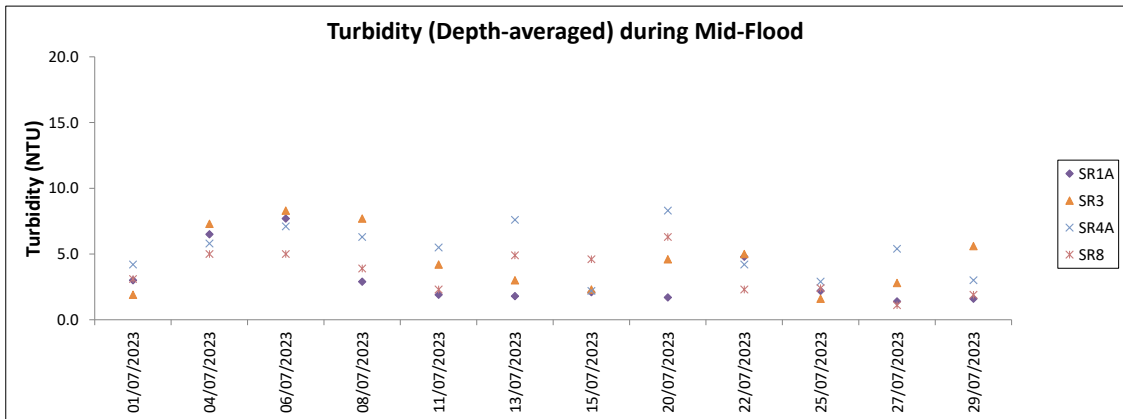
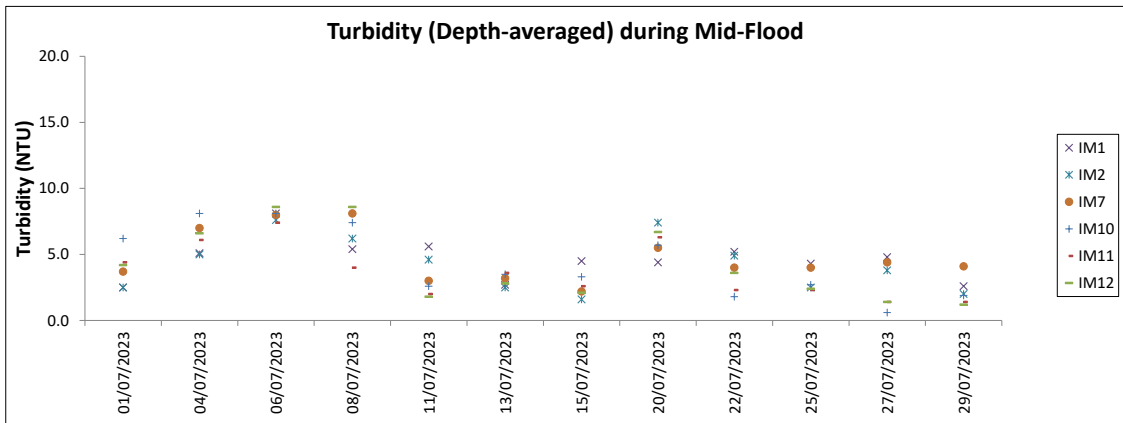
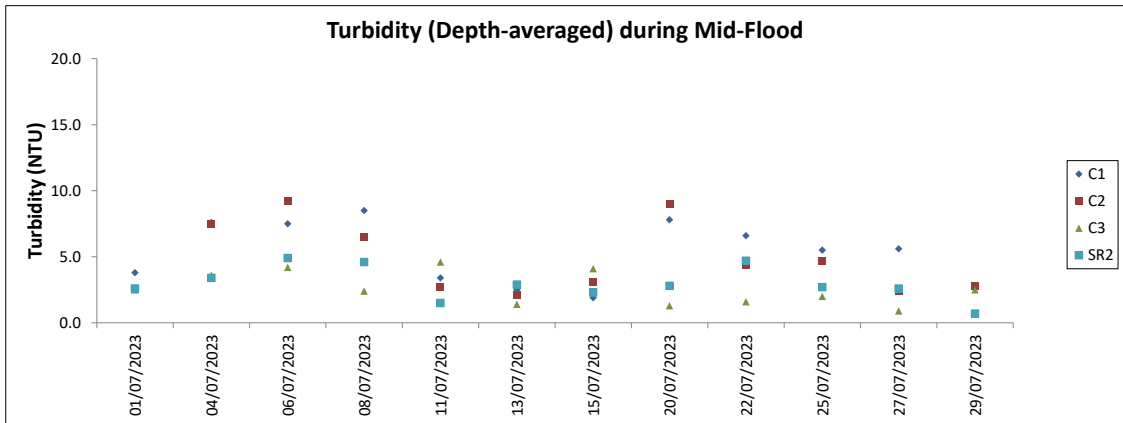




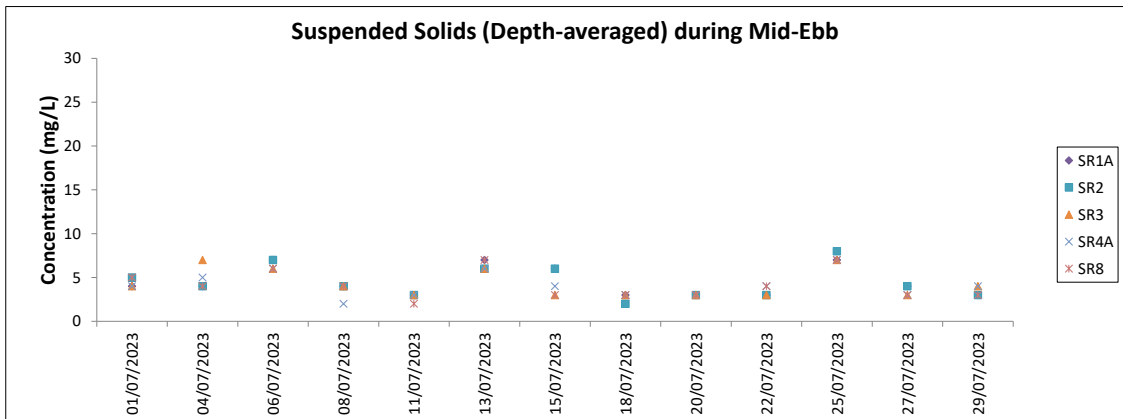
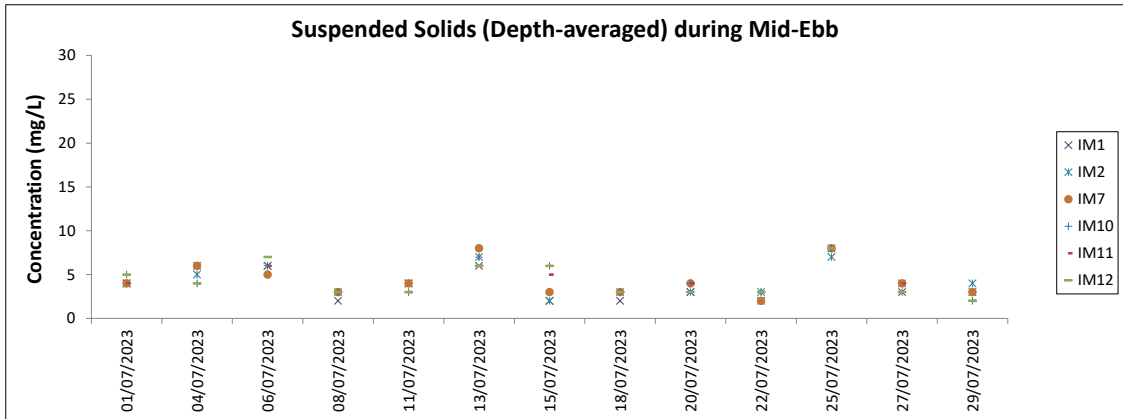
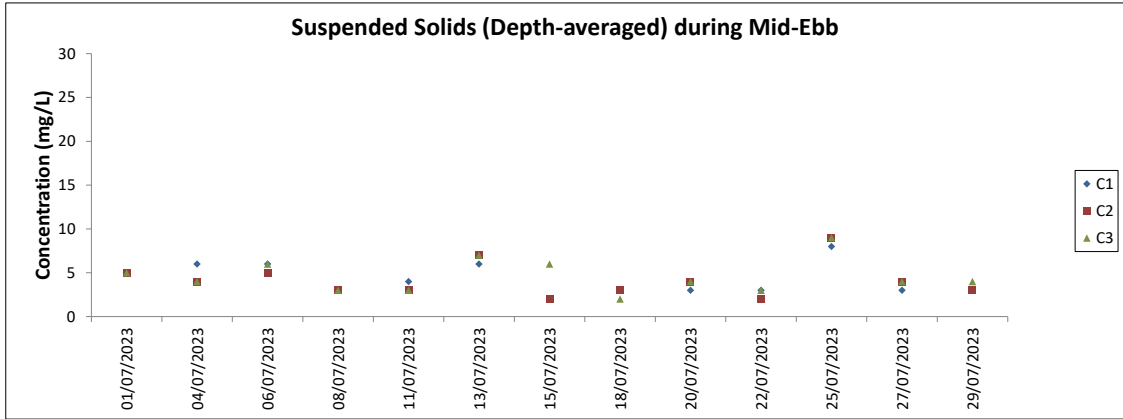




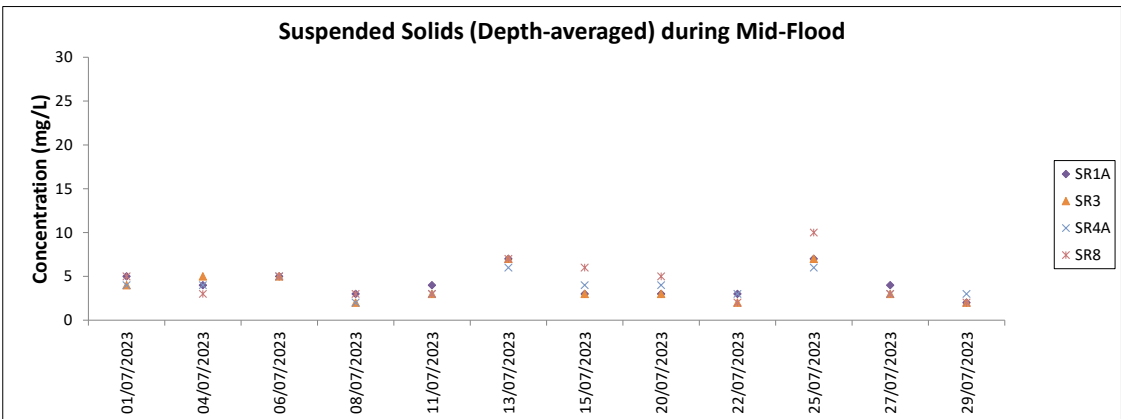
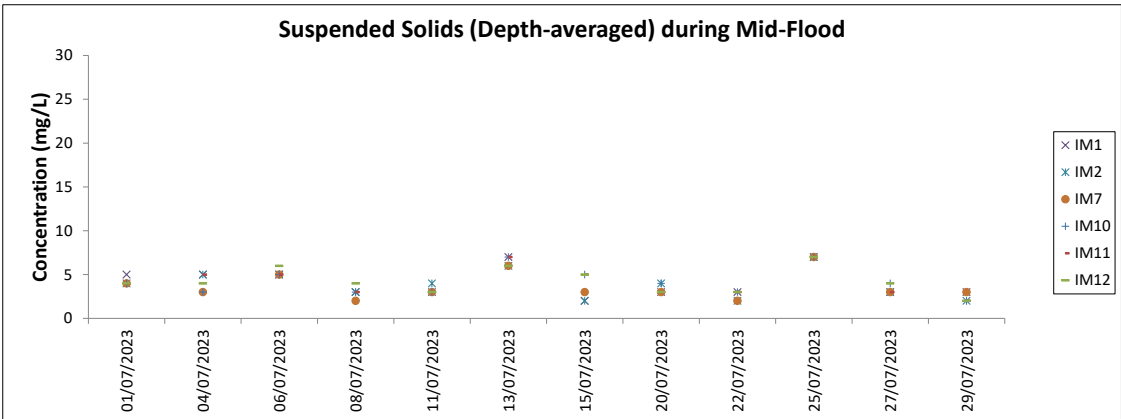
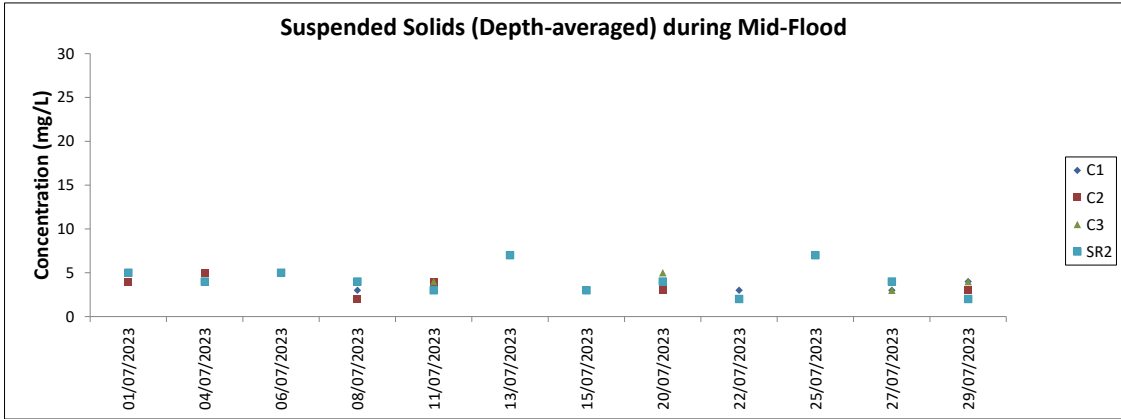
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
04-May-23	WL	2	9.370	SPRING	32166	3RS ET	P
04-May-23	WL	3	5.924	SPRING	32166	3RS ET	P
04-May-23	WL	2	4.130	SPRING	32166	3RS ET	S
04-May-23	WL	3	4.963	SPRING	32166	3RS ET	S
04-May-23	AW	2	4.790	SPRING	32166	3RS ET	P
09-May-23	NEL	2	20.000	SPRING	32166	3RS ET	P
09-May-23	NEL	3	17.600	SPRING	32166	3RS ET	P
09-May-23	NEL	2	6.500	SPRING	32166	3RS ET	S
09-May-23	NEL	3	3.100	SPRING	32166	3RS ET	S
10-May-23	NEL	2	2.640	SPRING	32166	3RS ET	P
10-May-23	NEL	3	32.710	SPRING	32166	3RS ET	P
10-May-23	NEL	4	1.700	SPRING	32166	3RS ET	P
10-May-23	NEL	2	1.980	SPRING	32166	3RS ET	S
10-May-23	NEL	3	8.370	SPRING	32166	3RS ET	S
11-May-23	NWL	2	14.500	SPRING	32166	3RS ET	P
11-May-23	NWL	3	48.500	SPRING	32166	3RS ET	P
11-May-23	NWL	2	2.100	SPRING	32166	3RS ET	S
11-May-23	NWL	3	9.800	SPRING	32166	3RS ET	S
15-May-23	SWL	2	53.890	SPRING	32166	3RS ET	P
15-May-23	SWL	2	16.110	SPRING	32166	3RS ET	S
16-May-23	NWL	2	29.700	SPRING	32166	3RS ET	P
16-May-23	NWL	3	34.100	SPRING	32166	3RS ET	P
16-May-23	NWL	2	6.400	SPRING	32166	3RS ET	S
16-May-23	NWL	3	5.000	SPRING	32166	3RS ET	S
18-May-23	SWL	2	48.250	SPRING	32166	3RS ET	P
18-May-23	SWL	3	4.660	SPRING	32166	3RS ET	P
18-May-23	SWL	2	15.050	SPRING	32166	3RS ET	S
18-May-23	SWL	3	1.060	SPRING	32166	3RS ET	S
23-May-23	AW	3	4.630	SPRING	32166	3RS ET	P
23-May-23	WL	2	9.160	SPRING	32166	3RS ET	P
23-May-23	WL	3	10.106	SPRING	32166	3RS ET	P
23-May-23	WL	2	2.470	SPRING	32166	3RS ET	S
23-May-23	WL	3	7.890	SPRING	32166	3RS ET	S
1-Jun-23	SWL	1	6.440	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	2	34.380	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	3	12.900	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	2	15.380	SUMMER	32166	3RS ET	S
1-Jun-23	SWL	3	1.000	SUMMER	32166	3RS ET	S
2-Jun-23	WL	2	16.884	SUMMER	32166	3RS ET	P
2-Jun-23	WL	2	8.320	SUMMER	32166	3RS ET	S
2-Jun-23	AW	1	4.790	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	2	3.480	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	3	49.220	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	4	10.900	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	3	9.600	SUMMER	32166	3RS ET	S
5-Jun-23	NWL	4	2.500	SUMMER	32166	3RS ET	S
8-Jun-23	SWL	2	0.700	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	3	51.824	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	4	1.013	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	2	1.800	SUMMER	32166	3RS ET	S
8-Jun-23	SWL	3	13.880	SUMMER	32166	3RS ET	S
9-Jun-23	AW	2	4.650	SUMMER	32166	3RS ET	P
9-Jun-23	WL	1	1.930	SUMMER	32166	3RS ET	P
9-Jun-23	WL	2	14.782	SUMMER	32166	3RS ET	P
9-Jun-23	WL	1	2.240	SUMMER	32166	3RS ET	S
9-Jun-23	WL	2	5.948	SUMMER	32166	3RS ET	S
9-Jun-23	WL	3	0.300	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Jun-23	NWL	2	59.180	SUMMER	32166	3RS ET	P
13-Jun-23	NWL	3	3.100	SUMMER	32166	3RS ET	P
13-Jun-23	NWL	2	12.420	SUMMER	32166	3RS ET	S
14-Jun-23	NEL	2	37.440	SUMMER	32166	3RS ET	P
14-Jun-23	NEL	2	10.060	SUMMER	32166	3RS ET	S
20-Jun-23	NEL	2	33.080	SUMMER	32166	3RS ET	P
20-Jun-23	NEL	3	4.120	SUMMER	32166	3RS ET	P
20-Jun-23	NEL	2	10.200	SUMMER	32166	3RS ET	S
4-Jul-23	NEL	2	34.860	SUMMER	32166	3RS ET	P
4-Jul-23	NEL	3	2.000	SUMMER	32166	3RS ET	P
4-Jul-23	NEL	2	10.040	SUMMER	32166	3RS ET	S
6-Jul-23	NWL	2	15.200	SUMMER	32166	3RS ET	P
6-Jul-23	NWL	3	48.600	SUMMER	32166	3RS ET	P
6-Jul-23	NWL	3	11.700	SUMMER	32166	3RS ET	S
7-Jul-23	AW	3	4.720	SUMMER	32166	3RS ET	P
7-Jul-23	WL	3	18.416	SUMMER	32166	3RS ET	P
7-Jul-23	WL	3	9.974	SUMMER	32166	3RS ET	S
7-Jul-23	WL	4	1.030	SUMMER	32166	3RS ET	S
10-Jul-23	NEL	2	10.000	SUMMER	32166	3RS ET	P
10-Jul-23	NEL	3	26.250	SUMMER	32166	3RS ET	P
10-Jul-23	NEL	2	3.950	SUMMER	32166	3RS ET	S
10-Jul-23	NEL	3	6.700	SUMMER	32166	3RS ET	S
11-Jul-23	WL	2	0.914	SUMMER	32166	3RS ET	P
11-Jul-23	WL	3	16.632	SUMMER	32166	3RS ET	P
11-Jul-23	WL	3	9.308	SUMMER	32166	3RS ET	S
11-Jul-23	AW	3	4.730	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	2	42.491	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	3	12.177	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	2	12.122	SUMMER	32166	3RS ET	S
12-Jul-23	SWL	3	3.070	SUMMER	32166	3RS ET	S
13-Jul-23	SWL	2	31.460	SUMMER	32166	3RS ET	P
13-Jul-23	SWL	3	21.490	SUMMER	32166	3RS ET	P
13-Jul-23	SWL	2	12.180	SUMMER	32166	3RS ET	S
13-Jul-23	SWL	3	4.500	SUMMER	32166	3RS ET	S
14-Jul-23	NWL	2	63.800	SUMMER	32166	3RS ET	P
14-Jul-23	NWL	2	11.700	SUMMER	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
04-May-23	1	1054	CWD	1	WL	2	409	ON	3RS ET	22.2451	113.8491	SPRING	NONE	S
04-May-23	2	1117	CWD	7	WL	3	130	ON	3RS ET	22.2324	113.8242	SPRING	NONE	S
04-May-23	3	1138	CWD	2	WL	3	179	ON	3RS ET	22.2321	113.8278	SPRING	NONE	P
04-May-23	4	1158	CWD	3	WL	3	335	ON	3RS ET	22.2241	113.8307	SPRING	NONE	P
04-May-23	5	1219	CWD	3	WL	3	163	ON	3RS ET	22.2143	113.8218	SPRING	NONE	P
04-May-23	6	1251	CWD	4	WL	3	212	ON	3RS ET	22.1968	113.8287	SPRING	NONE	S
04-May-23	7	1302	CWD	5	WL	3	379	ON	3RS ET	22.1962	113.8402	SPRING	NONE	P
15-May-23	1	1115	FP	2	SWL	2	44	ON	3RS ET	22.1744	113.9284	SPRING	NONE	P
18-May-23	1	1402	CWD	2	SWL	2	299	ON	3RS ET	22.1987	113.8785	SPRING	PURSE SEINER	P
18-May-23	2	1512	CWD	1	SWL	2	366	ON	3RS ET	22.1993	113.8596	SPRING	NONE	S
23-May-23	1	1116	CWD	4	WL	3	162	ON	3RS ET	22.2227	113.8306	SPRING	NONE	P
23-May-23	2	1145	CWD	1	WL	3	59	ON	3RS ET	22.2144	113.8338	SPRING	NONE	P
23-May-23	3	1216	CWD	3	WL	3	31	ON	3RS ET	22.1960	113.8410	SPRING	NONE	P
23-May-23	4	1231	CWD	5	WL	3	200	ON	3RS ET	22.1935	113.8425	SPRING	NONE	S
1-Jun-23	1	1318	FP	4	SWL	2	385	ON	3RS ET	22.1541	113.8882	SUMMER	NONE	P
1-Jun-23	2	1505	CWD	3	SWL	2	79	ON	3RS ET	22.1936	113.8492	SUMMER	NONE	P
2-Jun-23	1	1054	CWD	3	WL	2	591	ON	3RS ET	22.2417	113.8469	SUMMER	NONE	P
2-Jun-23	2	1112	CWD	1	WL	2	698	ON	3RS ET	22.2410	113.8323	SUMMER	NONE	P
2-Jun-23	3	1130	CWD	9	WL	2	30	ON	3RS ET	22.2327	113.8374	SUMMER	NONE	P
2-Jun-23	4	1153	CWD	1	WL	2	336	ON	3RS ET	22.2247	113.8372	SUMMER	NONE	S
2-Jun-23	5	1206	CWD	4	WL	2	100	ON	3RS ET	22.2237	113.8276	SUMMER	NONE	P
2-Jun-23	6	1217	CWD	4	WL	2	161	ON	3RS ET	22.2184	113.8204	SUMMER	NONE	S
2-Jun-23	7	1250	CWD	1	WL	2	1085	ON	3RS ET	22.2053	113.8213	SUMMER	NONE	P
2-Jun-23	8	1259	CWD	5	WL	2	153	ON	3RS ET	22.1964	113.8373	SUMMER	NONE	P
2-Jun-23	9	1332	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1932	113.8510	SUMMER	PURSE SEINER	N/A
8-Jun-23	1	1446	CWD	1	SWL	3	223	ON	3RS ET	22.1958	113.8591	SUMMER	NONE	P
8-Jun-23	2	1457	CWD	4	SWL	3	321	ON	3RS ET	22.1892	113.8596	SUMMER	NONE	P
9-Jun-23	1	1058	CWD	2	WL	1	191	ON	3RS ET	22.2579	113.8376	SUMMER	NONE	S
9-Jun-23	2	1137	CWD	3	WL	2	105	ON	3RS ET	22.2325	113.8282	SUMMER	PURSE SEINER	P
9-Jun-23	3	1154	CWD	1	WL	2	580	ON	3RS ET	22.2291	113.8379	SUMMER	NONE	S
9-Jun-23	4	1203	CWD	3	WL	2	1060	ON	3RS ET	22.2243	113.8275	SUMMER	NONE	P
9-Jun-23	5	1253	CWD	6	WL	2	280	ON	3RS ET	22.2062	113.8240	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
9-Jun-23	6	1315	CWD	4	WL	2	100	ON	3RS ET	22.1981	113.8271	SUMMER	NONE	S
9-Jun-23	7	1328	CWD	1	WL	2	22	ON	3RS ET	22.1879	113.8407	SUMMER	NONE	P
13-Jun-23	1	1128	CWD	1	NWL	2	137	ON	3RS ET	22.3690	113.8779	SUMMER	NONE	P
7-Jul-23	1	1101	CWD	1	WL	3	268	ON	3RS ET	22.2415	113.8368	SUMMER	NONE	P
7-Jul-23	2	1200	CWD	1	WL	3	91	ON	3RS ET	22.1961	113.8325	SUMMER	NONE	P
7-Jul-23	3	1215	CWD	15	WL	3	134	ON	3RS ET	22.1875	113.8401	SUMMER	NONE	P
11-Jul-23	1	1056	CWD	3	WL	3	275	ON	3RS ET	22.2416	113.8358	SUMMER	NONE	P
11-Jul-23	2	1133	CWD	4	WL	3	35	ON	3RS ET	22.2230	113.8247	SUMMER	NONE	P
11-Jul-23	3	1142	CWD	5	WL	3	6	ON	3RS ET	22.2160	113.8198	SUMMER	NONE	S
11-Jul-23	4	1214	CWD	3	WL	3	390	ON	3RS ET	22.2052	113.8313	SUMMER	NONE	P
11-Jul-23	5	1219	CWD	3	WL	3	170	ON	3RS ET	22.1975	113.8277	SUMMER	NONE	S
11-Jul-23	6	1248	CWD	1	WL	3	26	ON	3RS ET	22.1962	113.8345	SUMMER	NONE	P
11-Jul-23	7	1307	CWD	2	WL	3	339	ON	3RS ET	22.1881	113.8414	SUMMER	NONE	S
12-Jul-23	1	1047	FP	3	SWL	2	46	ON	3RS ET	22.1590	113.9357	SUMMER	NONE	P
12-Jul-23	2	1123	FP	2	SWL	2	39	ON	3RS ET	22.2022	113.9274	SUMMER	NONE	P
12-Jul-23	3	1145	FP	1	SWL	2	211	ON	3RS ET	22.1711	113.9188	SUMMER	NONE	P
12-Jul-23	4	1350	CWD	1	SWL	2	145	ON	3RS ET	22.1895	113.8769	SUMMER	NONE	P
13-Jul-23	1	1054	FP	1	SWL	2	34	ON	3RS ET	22.1510	113.9363	SUMMER	NONE	P
13-Jul-23	2	1227	CWD	1	SWL	2	61	ON	3RS ET	22.1894	113.9070	SUMMER	NONE	S

Abbreviations: STG# = Sighting Number; GP SZ = Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association; P/S = Primary Transect / Secondary Transect

Notes:

CWD monitoring survey data of the two preceding survey months are presented for reference only. No relevant figure or text will be mentioned in this monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

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

A total of 448.98 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 40 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in July 2023 are shown as below:

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

$$STG = \frac{12}{448.98} \times 100 = 2.67$$

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

$$ANI = \frac{40}{448.98} \times 100 = 8.91$$

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

A total of 1324.49 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 44 on-effort sightings and total number of 138 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)









$$STG = \frac{44}{1324.49} \times 100 = 3.32$$

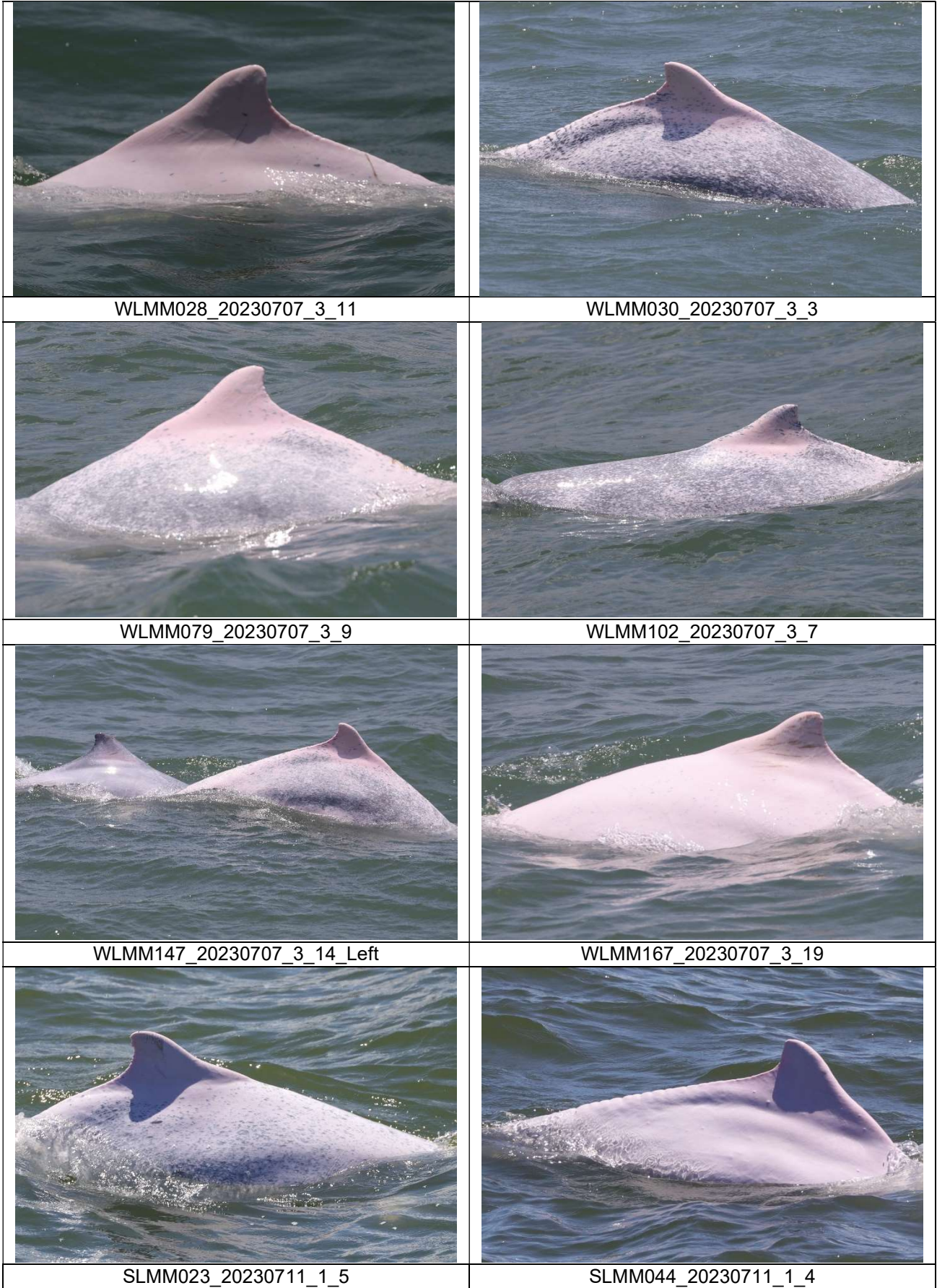
Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{138}{1324.49} \times 100 = 10.42$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM055_20230707_3_4	SLMM007_20230707_3_1
	
SLMM023_20230707_3_3	SLMM052_20230707_3_32
	
SLMM073_20230707_3_2_Lower	WLMM004_20230707_3_6
	
WLMM005_20230707_3_19	WLMM007_20230707_3_4



	
WLMM080_20230711_1_6	SLMM010_20230711_3_3
	
SLMM052_20230711_3_11	WLMM007_20230711_3_4
	
WLMM067_20230711_3_2	WLMM028_20230711_5_4
	
WLMM160_20230711_5_1	WLMM189_20230711_5_2



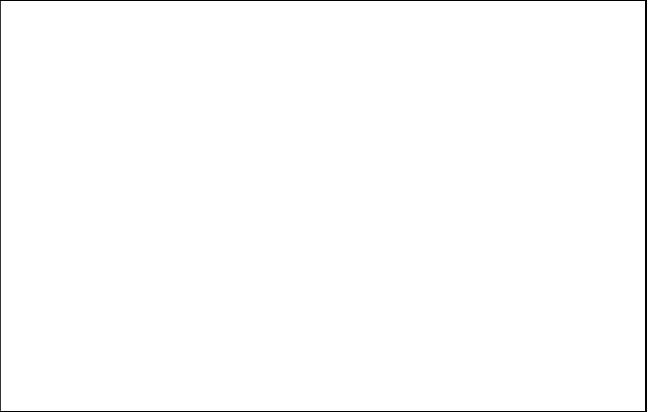
SLMM037_20230711_6_2



SLMM044_20230712_4_3



SLMM014_20230713_2_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
20/Jul/23	Lung Kwu Chau	08:42	14:42	6:00	2	1	1	1
21/Jul/23	Sha Chau	11:07	17:07	6:00	2-3	1	0	0

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