

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

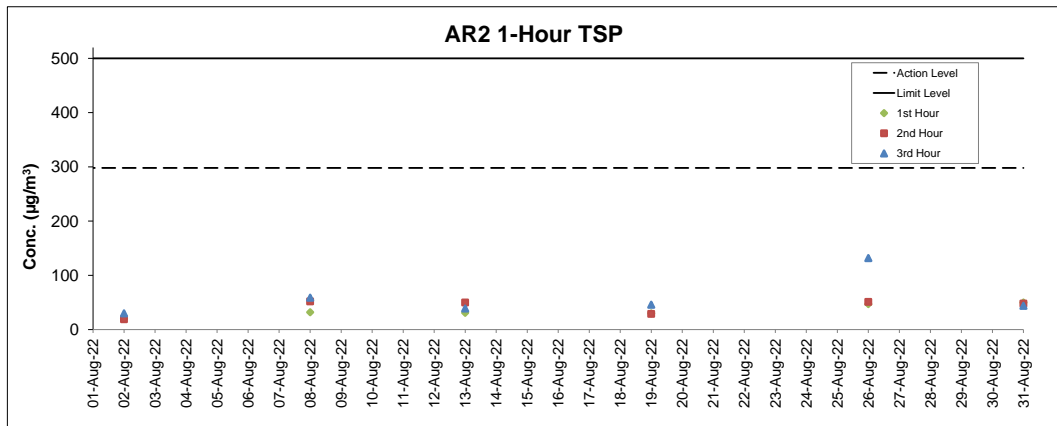
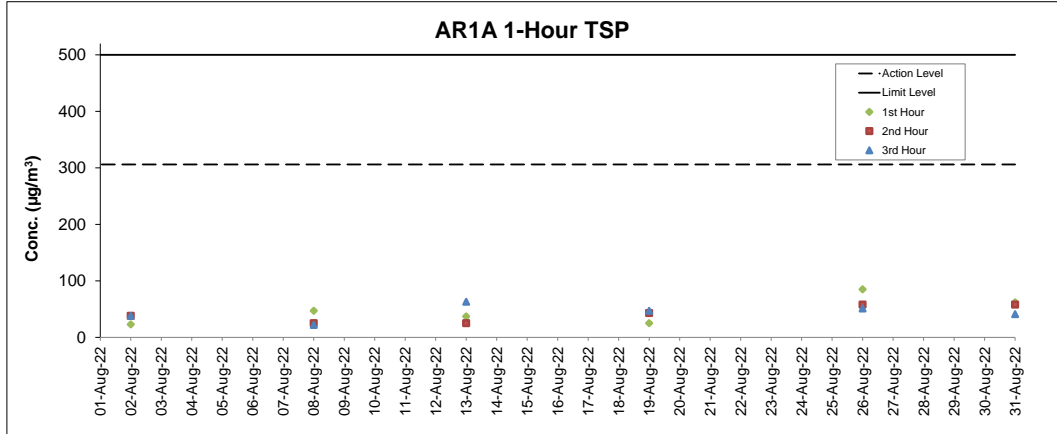
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
02-Aug-22	14:05	Sunny	3.3	254	23	306	500
02-Aug-22	15:05	Sunny	3.6	233	38	306	500
02-Aug-22	16:05	Sunny	5.8	238	38	306	500
08-Aug-22	12:34	Rainy	4.2	114	47	306	500
08-Aug-22	13:34	Rainy	4.4	110	25	306	500
08-Aug-22	14:34	Rainy	4.7	104	22	306	500
13-Aug-22	12:30	Sunny	4.4	253	37	306	500
13-Aug-22	13:30	Sunny	3.6	262	25	306	500
13-Aug-22	14:30	Sunny	2.8	Variable	63	306	500
19-Aug-22	12:15	Rainy	4.2	47	25	306	500
19-Aug-22	13:15	Rainy	3.1	62	43	306	500
19-Aug-22	14:15	Rainy	5.3	195	47	306	500
26-Aug-22	12:47	Drizzle	5.8	148	85	306	500
26-Aug-22	13:47	Drizzle	5.0	139	58	306	500
26-Aug-22	14:47	Drizzle	5.8	152	51	306	500
31-Aug-22	12:41	Sunny	3.1	272	62	306	500
31-Aug-22	13:41	Sunny	2.2	Variable	58	306	500
31-Aug-22	14:41	Sunny	3.3	337	41	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sun

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 ($\mu\text{g}/\text{m}^3$)
02-Aug-22	10:23	Sunny	3.3	318	20	298	500
02-Aug-22	11:23	Sunny	3.3	272	19	298	500
02-Aug-22	12:23	Sunny	3.3	271	30	298	500
08-Aug-22	8:50	Rainy	5.8	81	32	298	500
08-Aug-22	9:50	Rainy	5.3	84	52	298	500
08-Aug-22	10:50	Rainy	1.7	117	59	298	500
13-Aug-22	8:52	Sunny	2.2	63	31	298	500
13-Aug-22	9:52	Sunny	3.3	56	50	298	500
13-Aug-22	10:52	Sunny	3.3	44	39	298	500
19-Aug-22	8:32	Rainy	2.8	37	30	298	500
19-Aug-22	9:32	Rainy	3.3	49	29	298	500
19-Aug-22	10:32	Rainy	4.7	52	46	298	500
26-Aug-22	8:45	Drizzle	4.7	158	47	298	500
26-Aug-22	9:45	Drizzle	4.7	157	51	298	500
26-Aug-22	10:45	Drizzle	5.3	159	132	298	500
31-Aug-22	8:39	Sunny	1.7	Variable	50	298	500
31-Aug-22	9:39	Sunny	2.8	345	48	298	500
31-Aug-22	10:39	Sunny	4.2	254	44	298	500



Notes

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

Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
02-Aug-22	Sunny	13:05	61.3	57.4	64
02-Aug-22	Sunny	13:10	61.6	57.5	
02-Aug-22	Sunny	13:15	64.3	58.0	
02-Aug-22	Sunny	13:20	63.2	57.6	
02-Aug-22	Sunny	13:25	65.1	57.8	
02-Aug-22	Sunny	13:30	61.6	57.6	
08-Aug-22	Rainy	11:52	59.1	49.8	60
08-Aug-22	Rainy	11:57	58.9	50.1	
08-Aug-22	Rainy	12:02	61.7	50.2	
08-Aug-22	Rainy	12:07	60.6	50.6	
08-Aug-22	Rainy	12:12	60.3	50.2	
08-Aug-22	Rainy	12:17	57.7	51.1	
19-Aug-22	Rainy	11:39	63.6	55.8	65
19-Aug-22	Rainy	11:44	60.7	55.6	
19-Aug-22	Rainy	11:49	63.2	52.9	
19-Aug-22	Rainy	11:54	63.9	54.5	
19-Aug-22	Rainy	11:59	61.7	55.0	
19-Aug-22	Rainy	12:04	70.4	55.7	
26-Aug-22	Drizzle	13:48	62.8	55.7	64
26-Aug-22	Drizzle	13:53	64.5	56.9	
26-Aug-22	Drizzle	13:58	63.4	56.8	
26-Aug-22	Drizzle	14:03	62.8	57.8	
26-Aug-22	Drizzle	14:08	63.7	57.0	
26-Aug-22	Drizzle	14:13	62.2	56.7	
31-Aug-22	Sunny	12:54	59.5	55.5	61
31-Aug-22	Sunny	12:59	58.8	55.3	
31-Aug-22	Sunny	13:04	59.7	55.3	
31-Aug-22	Sunny	13:09	60.1	55.6	
31-Aug-22	Sunny	13:14	59.4	55.4	
31-Aug-22	Sunny	13:19	60.2	54.8	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
05-Aug-22	Rainy	12:06	58.2	55.5	61
05-Aug-22	Rainy	12:11	59.1	56.9	
05-Aug-22	Rainy	12:16	59.4	57.2	
05-Aug-22	Rainy	12:21	58.5	56.8	
05-Aug-22	Rainy	12:26	59.7	57.1	
05-Aug-22	Rainy	12:31	59.6	56.8	
12-Aug-22	Rainy	08:35	65.8	59.0	68*
12-Aug-22	Rainy	08:40	70.8	60.9	
12-Aug-22	Rainy	08:45	65.3	59.5	
12-Aug-22	Rainy	08:50	62.7	58.3	
12-Aug-22	Rainy	08:55	64.2	60.1	
12-Aug-22	Rainy	09:00	64.5	62.4	
17-Aug-22	Rainy	14:17	62.9	59.7	64*
17-Aug-22	Rainy	14:22	63.9	61.1	
17-Aug-22	Rainy	14:27	67.3	62.1	
17-Aug-22	Rainy	14:32	66.7	62.2	
17-Aug-22	Rainy	14:37	66.2	62.2	
17-Aug-22	Rainy	14:42	65.0	61.9	
27-Aug-22	Sunny	10:48	65.4	59.2	64*
27-Aug-22	Sunny	10:53	65.7	62.9	
27-Aug-22	Sunny	10:58	70.4	62.3	
27-Aug-22	Sunny	11:03	64.2	61.8	
27-Aug-22	Sunny	11:08	64.0	61.2	
27-Aug-22	Sunny	11:13	65.9	61.5	

Remarks:

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

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
02-Aug-22	Sunny	10:48	47.2	44.0	51
02-Aug-22	Sunny	10:53	53.9	44.2	
02-Aug-22	Sunny	10:58	46.5	43.5	
02-Aug-22	Sunny	11:03	51.8	44.1	
02-Aug-22	Sunny	11:08	48.4	45.0	
02-Aug-22	Sunny	11:13	46.6	43.7	59
08-Aug-22	Rainy	09:42	57.7	48.4	
08-Aug-22	Rainy	09:47	58.2	50.3	
08-Aug-22	Rainy	09:52	51.7	49.3	
08-Aug-22	Rainy	09:57	53.7	49.5	
08-Aug-22	Rainy	10:02	58.7	50.3	65*
08-Aug-22	Rainy	10:07	64.5	57.6	
19-Aug-22	Rainy	09:58	67.2	57.5	
19-Aug-22	Rainy	10:03	71.0	62.5	
19-Aug-22	Rainy	10:08	65.8	57.4	
19-Aug-22	Rainy	10:13	62.3	57.2	57*
19-Aug-22	Rainy	10:18	58.4	55.6	
19-Aug-22	Rainy	10:23	59.3	53.9	
26-Aug-22	Drizzle	08:11	61.3	56.2	
26-Aug-22	Drizzle	08:16	60.8	56.1	
26-Aug-22	Drizzle	08:21	61.5	56.0	
26-Aug-22	Drizzle	08:26	59.9	55.2	
26-Aug-22	Drizzle	08:31	58.8	54.7	
26-Aug-22	Drizzle	08:36	59.1	54.7	61*
31-Aug-22	Sunny	08:53	62.4	56.8	
31-Aug-22	Sunny	08:58	63.1	56.7	
31-Aug-22	Sunny	09:03	63.5	56.9	
31-Aug-22	Sunny	09:08	61.6	56.3	
31-Aug-22	Sunny	09:13	62.1	56.7	
31-Aug-22	Sunny	09:18	61.3	56.8	

Remarks:

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

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

Noise Measurement Results

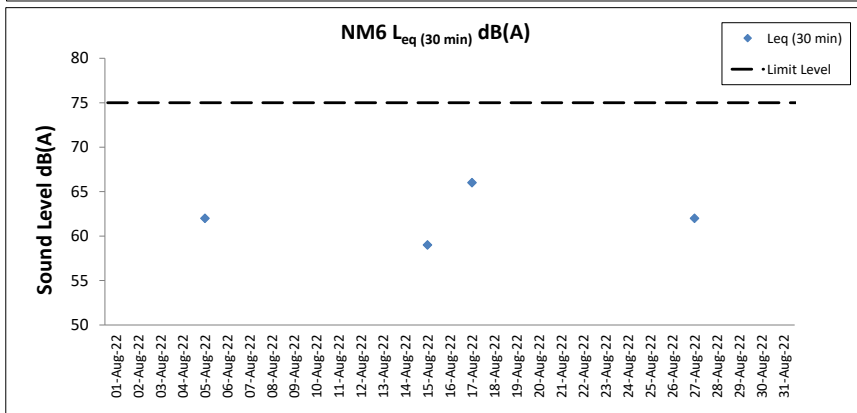
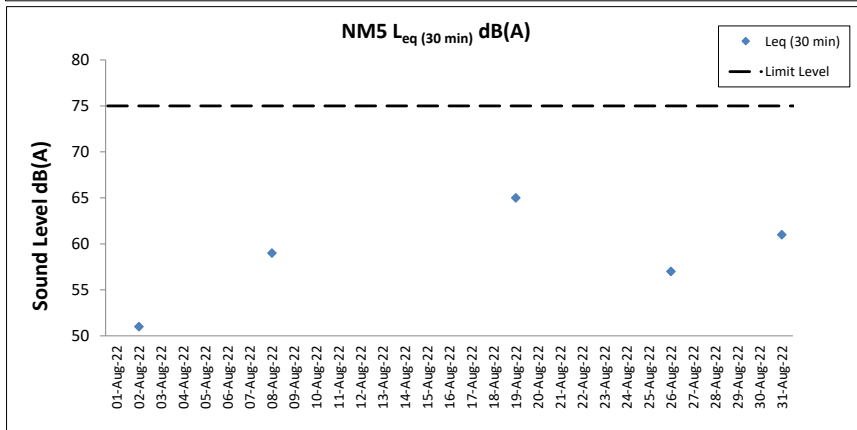
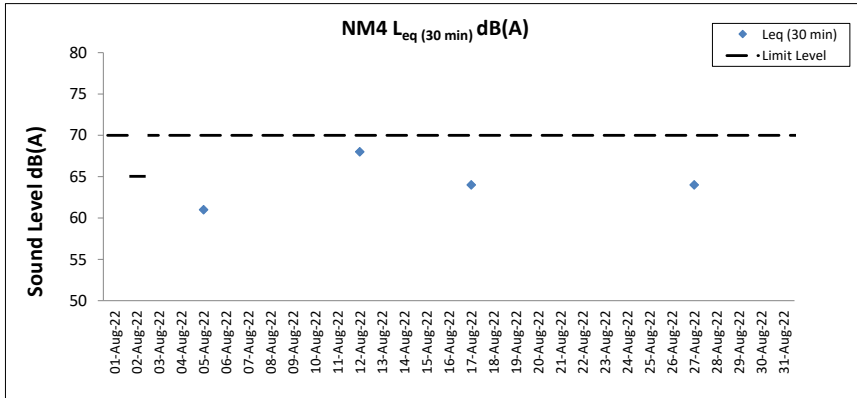
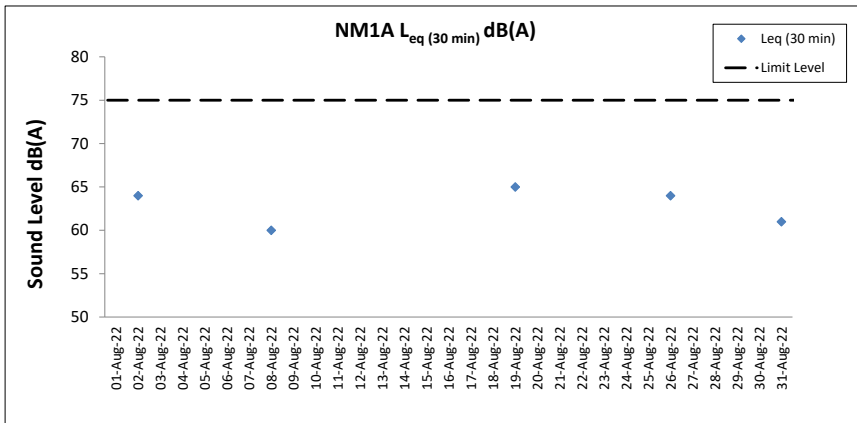
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
05-Aug-22	Rainy	09:39	56.4	47.9	62
05-Aug-22	Rainy	09:44	60.5	51.3	
05-Aug-22	Rainy	09:49	65.3	51.2	
05-Aug-22	Rainy	09:54	59.6	50.3	
05-Aug-22	Rainy	09:59	58.3	49.1	
05-Aug-22	Rainy	10:04	58.7	48.4	59
15-Aug-22	Sunny	15:45	55.4	47.1	
15-Aug-22	Sunny	15:50	58.8	46.8	
15-Aug-22	Sunny	15:55	54.8	45.3	
15-Aug-22	Sunny	16:00	50.8	44.9	
15-Aug-22	Sunny	16:05	51.5	44.8	66*
15-Aug-22	Sunny	16:10	56.3	44.8	
17-Aug-22	Rainy	15:43	64.4	48.5	
17-Aug-22	Rainy	15:48	56.2	47.1	
17-Aug-22	Rainy	15:53	57.8	45.7	
17-Aug-22	Rainy	15:58	66.9	46.6	
17-Aug-22	Rainy	16:03	62.8	51.6	62*
17-Aug-22	Rainy	16:08	75.4	57.7	
27-Aug-22	Sunny	12:40	70.3	57.8	
27-Aug-22	Sunny	12:45	70.0	58.5	
27-Aug-22	Sunny	12:50	71.0	60.5	
27-Aug-22	Sunny	12:55	69.7	56.0	
27-Aug-22	Sunny	13:00	68.4	55.9	
27-Aug-22	Sunny	13:05	67.5	55.8	

Remarks:

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

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



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 02 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	15:16	8.1	Surface	1.0	0.4	207	28.9	28.9	8.3	8.3	23.8	23.8	94.5	94.1	6.4	5.3	4.3	6.8	3	2	815630	804249		
						1.0	0.4	212	28.9	8.3	8.3	23.8	23.8	93.7	94.1	6.3	5.3	4.4	6.8	2						
					Middle	4.1	0.5	191	25.8	25.8	8.2	8.2	31.9	32.0	61.5	61.4	4.2	5.3	5.0	6.8	<2				2	
						4.1	0.5	187	25.8	25.8	8.2	8.2	32.0	32.0	61.3	61.4	4.2	5.3	5.1	6.8	<2				2	
					Bottom	7.1	0.4	187	25.5	25.5	8.2	8.2	33.2	33.1	55.0	55.2	3.7	3.8	11.1	3.8	11.2				<2	2
						7.1	0.4	191	25.5	25.5	8.2	8.2	33.1	33.1	55.3	55.2	3.8	3.8	11.2	3.8	11.2				<2	2
C2	Fine	Moderate	14:11	12.0	Surface	1.0	0.4	158	29.8	29.8	8.3	8.3	21.7	21.7	94.9	94.7	6.4	5.3	3.5	5.2	2	2	825667	806924		
						1.0	0.4	160	29.8	29.8	8.3	8.3	21.7	21.7	94.5	94.7	6.4	5.3	3.6	5.2	3					
					Middle	6.0	0.4	153	28.0	28.0	8.3	8.3	25.0	25.0	61.7	61.7	4.2	5.3	5.4	5.2	<2				2	
						6.0	0.4	145	28.0	28.0	8.3	8.3	25.0	25.0	61.7	61.7	4.2	5.3	5.5	5.2	<2				2	
					Bottom	11.0	0.4	189	27.0	27.0	8.4	8.4	28.1	28.1	56.9	57.0	3.9	3.9	6.6	3.9	6.6				<2	2
						11.0	0.4	188	27.0	27.0	8.4	8.4	28.1	28.1	57.0	57.0	3.9	3.9	6.6	3.9	6.6				<2	2
C3	Sunny	Calm	15:38	10.3	Surface	1.0	0.4	65	27.7	27.7	8.1	8.1	24.6	24.6	86.2	86.2	5.9	5.8	4.8	6.9	2	2	822106	817793		
						1.0	0.4	61	27.7	27.7	8.1	8.1	24.6	24.6	86.1	86.2	5.9	5.8	4.9	6.9	2					
					Middle	5.2	0.4	51	27.6	27.6	8.1	8.1	24.8	24.8	82.3	82.3	5.7	5.8	6.9	6.9	2				2	
						5.2	0.4	50	27.6	27.6	8.1	8.1	24.8	24.8	82.2	82.3	5.6	5.8	6.9	6.9	2				2	
					Bottom	9.3	0.4	92	25.8	25.8	8.1	8.1	27.9	27.9	64.1	64.2	4.5	4.5	8.9	4.5	8.9				<2	2
						9.3	0.4	95	25.8	25.8	8.1	8.1	27.9	27.9	64.2	64.2	4.5	4.5	8.9	4.5	8.9				<2	2
IM1	Fine	Moderate	15:01	6.4	Surface	1.0	0.2	197	28.8	28.8	8.2	8.2	25.0	25.0	94.8	94.7	6.4	5.5	4.8	8.0	2	2	818349	806443		
						1.0	0.3	201	28.8	28.8	8.2	8.2	25.0	25.0	94.6	94.7	6.4	5.5	5.4	8.0	2					
					Middle	3.2	0.3	194	27.3	27.3	8.1	8.1	27.6	27.6	66.7	66.6	4.5	5.5	7.0	5.5	3				2	
						3.2	0.3	201	27.2	27.2	8.1	8.1	27.6	27.6	66.5	66.6	4.5	5.5	7.2	5.5	2				2	
					Bottom	5.4	0.2	193	26.5	26.5	8.1	8.1	30.2	30.2	59.8	59.9	4.1	4.1	11.9	4.1	11.8				3	2
						5.4	0.3	196	26.5	26.5	8.1	8.1	30.2	30.2	60.0	59.9	4.1	4.1	11.8	4.1	11.8				2	2
IM2	Fine	Moderate	14:55	6.8	Surface	1.0	0.3	178	28.7	28.7	8.2	8.2	25.2	25.2	93.8	93.5	6.3	5.3	4.6	7.4	<2	2	819197	806246		
						1.0	0.3	174	28.7	28.7	8.2	8.2	25.2	25.2	93.1	93.5	6.3	5.3	4.9	7.4	<2					
					Middle	3.4	0.3	206	27.0	27.0	8.1	8.1	28.4	28.4	63.1	63.0	4.3	5.3	7.8	5.3	2				2	
						3.4	0.3	213	27.0	27.0	8.1	8.1	28.5	28.5	62.9	63.0	4.3	5.3	7.9	5.3	2				2	
					Bottom	5.8	0.3	187	26.9	26.9	8.1	8.1	29.0	29.0	63.0	63.2	4.3	4.3	9.2	4.3	9.2				2	2
						5.8	0.3	190	26.9	26.9	8.1	8.1	29.0	29.0	63.4	63.2	4.3	4.3	9.9	4.3	9.9				2	2
IM7	Fine	Moderate	14:36	8.2	Surface	1.0	0.2	154	29.0	29.0	8.1	8.1	22.5	22.5	82.0	81.9	5.6	5.3	3.6	4.3	2	2	821361	806816		
						1.0	0.3	160	29.0	29.0	8.1	8.1	22.5	22.5	81.7	81.9	5.6	5.3	3.6	4.3	2					
					Middle	4.1	0.2	151	27.9	27.9	8.1	8.1	24.8	24.8	73.1	73.0	5.0	5.3	4.3	5.3	2				2	
						4.1	0.2	154	27.8	27.8	8.1	8.1	24.8	24.8	72.8	73.0	5.0	5.3	4.4	5.3	2				2	
					Bottom	7.2	0.2	144	27.2	27.2	8.1	8.1	28.0	28.0	62.1	62.2	4.2	4.2	5.0	4.2	5.0				2	2
						7.2	0.2	150	27.2	27.2	8.1	8.1	28.0	28.0	62.3	62.2	4.2	4.2	5.0	4.2	5.0				3	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 02 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	14:15	8.9	Surface	1.0	0.4	109	<u>28.6</u>	28.6	8.1	8.1	21.2	21.2	89.7	88.7	6.2	5.7	3.1	5.4	2	2	822239	809831
						1.0	0.4	107	28.6		8.1		21.2		87.7		6.0		3.0		2			
					Middle	4.5	0.5	120	<u>26.7</u>	26.7	8.1	8.1	26.1	26.1	75.1	75.7	5.2	3.8	4.3	2	2			
						4.5	0.5	123	26.7		8.1		26.1		76.2		5.3		4.4		2			
					Bottom	7.9	0.4	112	<u>26.4</u>	26.4	8.1	8.1	26.8	26.8	54.8	54.9	3.8	4.3	8.9	3.6	3			
						7.9	0.4	109	26.4		8.1		26.8		54.9		3.8		8.9		2			
IM11	Sunny	Moderate	14:29	7.8	Surface	1.0	0.5	100	<u>28.7</u>	28.7	8.1	8.1	21.0	21.0	89.3	89.2	6.2	5.5	2.3	4.3	3	2	821504	810555
						1.0	0.6	100	28.6		8.1		21.0		89.0		6.1		2.5		2			
					Middle	3.9	0.6	79	<u>27.6</u>	27.6	8.1	8.1	23.5	23.5	70.2	70.2	4.9	4.3	5.0	3.6	2			
						3.9	0.6	74	27.6		8.1		23.5		70.2		4.9		5.1		2			
					Bottom	6.8	0.6	69	<u>27.2</u>	27.2	8.1	8.1	24.5	24.5	61.9	62.0	4.3	4.3	5.3	3.6	<2			
						6.8	0.6	68	27.2		8.1		24.5		62.1		4.3		5.4		<2			
IM12	Sunny	Moderate	14:34	8.2	Surface	1.0	0.7	96	<u>29.1</u>	29.1	8.1	8.1	20.6	20.6	93.1	93.1	6.4	5.5	1.3	3.6	2	3	821158	811510
						1.0	0.6	88	29.1		8.1		20.6		93.0		6.4		1.3		3			
					Middle	4.1	0.6	100	<u>27.6</u>	27.6	8.0	8.0	23.5	23.5	65.8	65.8	4.6	4.7	3.8	3.6	4			
						4.1	0.6	103	27.6		8.0		23.5		65.8		4.6		3.9		3			
					Bottom	7.2	0.7	88	<u>27.3</u>	27.3	8.0	8.0	24.2	24.2	67.0	67.1	4.6	4.7	5.8	3.6	4			
						7.2	0.7	90	27.3		8.0		24.2		67.2		4.7		5.7		3			
SR1A	Sunny	Calm	15:09	5.3	Surface	1.0	0.0	92	<u>28.7</u>	28.7	8.0	8.0	21.8	21.8	87.1	87.1	6.0	6.0	2.3	3.0	<2	<2	819982	812655
						1.0	0.1	96	28.7		8.0		21.8		87.1		6.0		2.3		<2			
					Middle	2.7	0.0	80	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.7	0.0	86	-		-		-		-		-		-		-			
					Bottom	4.3	0.1	106	<u>27.1</u>	27.1	8.0	8.0	25.1	25.1	64.3	64.4	4.5	4.5	3.7	3.0	<2			
						4.3	0.1	106	27.1		8.0		25.1		64.4		4.5		3.8		<2			
SR2	Sunny	Calm	15:21	5.4	Surface	1.0	0.6	33	<u>28.8</u>	28.9	8.1	8.1	21.2	21.2	94.0	93.9	6.4	6.4	4.0	4.1	2	3	821474	814145
						1.0	0.5	32	28.9		8.1		21.2		93.8		6.4		4.0		2			
					Middle	-	0.6	28	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.5	22	-		-		-		-		-		-		-			
					Bottom	4.4	0.6	46	<u>27.7</u>	27.7	8.0	8.0	23.5	23.5	74.1	74.4	5.1	5.1	4.2	3.0	3			
						4.4	0.6	46	27.7		8.0		23.5		74.4		5.1		4.2		4			
SR3	Fine	Moderate	14:29	9.5	Surface	1.0	0.4	149	<u>29.8</u>	29.8	8.2	8.2	21.3	21.3	95.7	95.6	6.5	5.4	3.8	5.4	2	3	822157	807570
						1.0	0.4	147	29.8		8.2		21.3		95.4		6.4		3.8		3			
					Middle	4.8	0.5	138	<u>28.0</u>	28.0	8.1	8.1	25.3	25.3	64.0	64.1	4.4	4.5	4.0	3.0	3			
						4.8	0.4	131	28.0		8.1		25.3		64.2		4.4		4.0		4			
					Bottom	8.5	0.4	150	<u>27.5</u>	27.5	8.2	8.2	27.2	27.2	66.4	66.6	4.5	4.5	8.4	3.0	3			
						8.5	0.4	147	27.5		8.2		27.2		66.6		4.5		8.5		4			
SR4A	Fine	Moderate	15:35	9.5	Surface	1.0	0.0	46	<u>29.3</u>	29.3	8.2	8.2	24.0	24.0	91.8	91.7	6.2	5.2	4.4	8.5	3	2	817191	807822
						1.0	0.0	43	29.3		8.2		24.0		91.5		6.1		4.5		2			
					Middle	4.8	0.0	18	<u>27.2</u>	27.2	8.1	8.1	28.2	28.2	63.3	63.3	4.3	4.3	7.9	3.0	2			
						4.8	0.0	15	27.2		8.1		28.3		63.2		4.3		7.9		2			
					Bottom	8.5	0.1	22	<u>27.2</u>	27.2	8.1	8.1	28.5	28.5	63.5	63.7	4.3	4.3	13.3	3.0	<2			
						8.5	0.0	25	27.2		8.1		28.5		63.8		4.3		13.1		<2			
SR8	Sunny	Calm	14:39	5.6	Surface	1.0	-	-	<u>29.5</u>	29.5	8.1	8.1	20.7	20.7	94.9	94.9	6.5	6.5	1.4	2.0	3	3	820395	811625
						1.0	-	-	29.5		8.1		20.7		94.9		6.5		1.5		2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.6	-	-	<u>29.5</u>	29.5	8.1	8.1	21.3	21.3	91.4	91.5	6.2	6.2	2.5	3.0	2			
						4.6	-	-	29.5		8.1		21.3		91.5		6.2		2.6		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 02 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	09:03	7.9	Surface	1.0	0.4	44	28.2	28.2	8.0	8.0	24.0	24.0	72.9	72.8	5.0	4.6	4.3	7.5	4	3	815625	804225
						1.0	0.4	42	28.2		8.0	8.0	24.0	24.0	72.7	72.8	5.0		4.4					
					Middle	4.0	0.4	26	27.2	27.2	8.0	8.0	27.7	27.8	62.6	62.5	4.3	7.0	2					
						4.0	0.4	30	27.2		8.0	8.0	27.8	27.8	62.4	62.5	4.2	7.1	3					
					Bottom	6.9	0.4	16	26.1	26.1	8.0	8.0	31.1	31.1	57.5	57.6	3.9	10.9	2					
						6.9	0.4	17	26.1		8.0	8.0	31.1	31.1	57.7	57.6	3.9	11.0	3					
C2	Fine	Moderate	10:12	12.6	Surface	1.0	0.5	356	29.2	29.2	8.1	8.1	20.6	20.6	81.7	81.7	5.6	4.8	3.9	5.8	2	2	825658	806961
						1.0	0.5	350	29.2		8.1	8.1	20.6	20.6	81.6	81.7	5.6		3.9					
					Middle	6.3	0.5	351	28.0	28.0	8.0	8.0	25.1	25.1	58.9	58.9	4.0	3.4	3					
						6.3	0.5	355	28.0		8.0	8.0	25.1	25.1	58.9	58.9	4.0	3.5	2					
					Bottom	11.6	0.5	343	27.0	27.0	8.0	8.0	27.8	27.9	54.1	54.2	3.7	9.8	2					
						11.6	0.5	339	27.0		8.0	8.0	27.9	27.9	54.2	54.2	3.7	10.2	2					
C3	Sunny	Moderate	08:21	10.8	Surface	1.0	0.5	275	28.1	28.1	7.8	7.8	21.8	21.8	73.4	73.4	5.1	4.8	2.8	4.5	4	4	822131	817808
						1.0	0.5	268	28.1		7.8	7.8	21.8	21.8	73.4	73.4	5.1		2.8					
					Middle	5.4	0.5	280	27.2	27.2	7.8	7.8	24.4	24.4	63.5	63.5	4.4	3.6	4					
						5.4	0.5	282	27.2		7.8	7.8	24.4	24.4	63.5	63.5	4.4	3.6	4					
					Bottom	9.8	0.5	288	25.7	25.7	7.8	7.8	27.9	27.9	54.9	55.0	3.8	6.9	4					
						9.8	0.6	282	25.7		7.8	7.8	27.9	27.9	55.0	55.0	3.8	7.0	3					
IM1	Fine	Moderate	09:18	6.6	Surface	1.0	0.3	8	28.3	28.3	8.0	8.0	24.9	24.9	71.6	71.6	4.9	4.7	4.4	8.4	4	3	818358	806465
						1.0	0.3	5	28.3		8.0	8.0	24.9	24.9	71.5	71.6	4.9		4.4					
					Middle	3.3	0.2	15	27.4	27.4	8.1	8.1	26.4	26.4	65.2	65.2	4.5	9.4	3					
						3.3	0.2	20	27.4		8.1	8.1	26.4	26.4	65.2	65.2	4.5	9.8	4					
					Bottom	5.6	0.3	15	27.0	27.0	8.1	8.1	28.5	28.5	65.1	65.1	4.4	11.5	3					
						5.6	0.2	9	27.0		8.1	8.1	28.5	28.5	65.1	65.1	4.4	11.3	2					
IM2	Fine	Moderate	09:24	6.8	Surface	1.0	0.3	8	28.1	28.1	8.1	8.1	25.5	25.5	83.8	83.7	5.7	5.5	4.1	5.3	2	2	819195	806227
						1.0	0.3	1	28.1		8.1	8.1	25.5	25.5	83.5	83.7	5.7		4.1					
					Middle	3.4	0.3	353	28.0	28.0	8.1	8.1	25.8	25.8	76.0	75.9	5.2	4.5	3					
						3.4	0.3	0	28.0		8.1	8.1	25.9	25.8	75.8	75.9	5.2	4.6	2					
					Bottom	5.8	0.3	334	26.9	26.9	8.0	8.0	28.9	28.9	61.3	61.3	4.2	7.3	2					
						5.8	0.2	329	26.9		8.0	8.0	28.9	28.9	61.3	61.3	4.2	7.3	3					
IM7	Fine	Moderate	09:47	7.9	Surface	1.0	0.2	350	29.6	29.6	8.1	8.1	20.4	20.4	84.2	84.2	5.7	5.1	3.9	6.0	2	3	821338	806839
						1.0	0.2	348	29.6		8.1	8.1	20.4	20.4	84.2	84.2	5.7		3.9					
					Middle	4.0	0.2	354	28.0	28.0	8.1	8.1	25.3	25.4	66.6	66.5	4.5	5.8	3					
						4.0	0.2	352	28.0		8.1	8.1	25.5	25.4	66.4	66.5	4.5	5.9	3					
					Bottom	6.9	0.2	342	27.6	27.6	8.1	8.1	26.8	26.8	66.3	66.4	4.5	8.1	4					
						6.9	0.2	346	27.6		8.1	8.1	26.8	26.8	66.4	66.4	4.5	8.2	5					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Sunny	Moderate	09:45	7.8	Surface	1.0	0.4	300	28.9	28.9	8.0	8.0	19.9	19.9	81.8	81.8	5.7	5.2	4.0	6.6	3	3	822247	809815			
						1.0	0.4	302	28.9		8.0	8.0	19.9	19.9	81.7	81.8	5.6	5.2	3.9	6.6	4						
					Middle	3.9	0.4	299	27.7	27.7	7.9	7.9	22.6	22.6	67.1	67.1	4.6	4.7	6.4	6.6	3				3		
						3.9	0.4	299	27.7		7.9	7.9	22.6	22.6	67.1	67.1	4.7	4.7	6.4	6.6	3						
					Bottom	6.8	0.4	274	27.1	27.1	7.9	7.9	24.8	24.8	57.5	57.6	4.0	4.0	9.5	4.0	4.0				2	2	
						6.8	0.4	270	27.1		7.9	7.9	24.8	24.8	57.6	57.6	4.0	4.0	9.4	4.0	4.0				3		
IM11	Sunny	Moderate	09:38	8.1	Surface	1.0	0.5	279	28.5	28.5	8.0	8.0	20.9	20.9	76.7	76.7	5.3	5.0	1.2	4.7	3	3	821481	810561			
						1.0	0.4	273	28.5		8.0	8.0	20.9	20.9	76.6	76.7	5.3	5.0	1.2		3						
					Middle	4.1	0.5	288	27.4	27.4	8.0	8.0	24.0	24.0	66.7	66.7	4.6	4.6	3.2	4.3	2				2		
						4.1	0.5	288	27.4		8.0	8.0	24.0	24.0	66.6	66.7	4.6	4.6	3.2	4.3	2						
					Bottom	7.1	0.5	256	27.0	27.0	7.9	7.9	25.2	25.2	62.3	62.4	4.3	4.3	9.6	4.3	4.3				2	2	
						7.1	0.5	252	27.0		7.9	7.9	25.2	25.2	62.5	62.4	4.3	4.3	9.7	4.3	4.3				2		
IM12	Sunny	Moderate	09:31	7.9	Surface	1.0	0.5	281	28.5	28.5	8.0	8.0	21.4	21.4	82.2	82.2	5.7	5.5	1.0	2.0	3	2	821152	811539			
						1.0	0.5	286	28.5		8.0	8.0	21.4	21.4	82.2	82.2	5.7	5.5	1.0		2						
					Middle	4.0	0.5	266	27.8	27.8	8.0	8.0	22.7	22.7	75.2	75.2	5.2	5.2	2.0	4.6	2				2		
						4.0	0.5	263	27.8		8.0	8.0	22.7	22.7	75.2	75.2	5.2	5.2	2.1	4.6	2						
					Bottom	6.9	0.5	264	27.2	27.2	7.9	7.9	24.3	24.3	66.2	66.2	4.6	4.6	2.9	4.6	2				2		
						6.9	0.5	257	27.2		7.9	7.9	24.4	24.3	66.1	66.2	4.6	4.6	2.9	4.6	2						
SR1A	Sunny	Calm	08:59	5.3	Surface	1.0	0.0	185	28.5	28.5	7.9	7.9	20.6	20.6	75.9	75.9	5.3	5.3	3.6	4.6	2	2	819978	812662			
						1.0	-	189	28.5		7.9	7.9	20.6	20.6	75.8	75.9	5.2	5.3	3.6		2						
					Middle	2.7	0.0	189	-	-	-	-	-	-	-	-	-	-	-	-	-				4.6	2	
						2.7	0.1	187	-		-	-	-	-	-	-	-	-	-	-	-				-		2
					Bottom	4.3	0.1	164	28.1	28.1	7.9	7.9	22.3	22.3	67.1	67.2	4.6	4.6	5.5	4.6	4.6				2	2	
						4.3	0.1	161	28.1		7.9	7.9	22.3	22.3	67.2	67.2	4.6	4.6	5.5	4.6	4.6				2		
SR2	Sunny	Calm	08:43	4.9	Surface	1.0	0.1	279	28.2	28.2	8.0	8.0	21.4	21.4	76.2	76.2	5.3	5.3	4.7	6.8	2	2	821459	814163			
						1.0	0.2	284	28.2		8.0	8.0	21.4	21.4	76.1	76.2	5.3	5.3	4.8		2						
					Middle	-	0.1	278	-	-	-	-	-	-	-	-	-	-	-	-	-				6.8	2	
						-	0.1	282	-		-	-	-	-	-	-	-	-	-	-	-				-		2
					Bottom	3.9	0.1	259	27.0	27.0	7.9	7.9	25.0	25.0	65.9	66.1	4.6	4.6	8.8	4.6	4.6				2	2	
						3.9	0.1	266	26.9		7.9	7.9	25.1	25.0	66.3	66.1	4.6	4.6	8.8	4.6	4.6				2		
SR3	Fine	Moderate	09:54	9.1	Surface	1.0	0.2	339	28.8	28.8	8.0	8.0	22.4	22.5	77.1	77.1	5.3	5.0	4.2	6.8	<2	2	822133	807550			
						1.0	0.2	340	28.8		8.0	8.0	22.5	22.5	77.0	77.1	5.3	5.0	4.3		<2						
					Middle	4.6	0.3	332	28.3	28.3	8.0	8.0	23.7	23.8	67.1	66.9	4.6	4.6	6.0	4.5	2				2		
						4.6	0.3	326	28.3		8.0	8.0	23.8	23.8	66.7	66.9	4.6	4.6	6.6	4.5	3						
					Bottom	8.1	0.2	323	28.1	28.1	8.0	8.0	24.8	24.8	65.5	65.6	4.5	4.5	9.9	4.5	4.5				2	2	
						8.1	0.2	317	28.1		8.0	8.0	24.8	24.8	65.6	65.6	4.5	4.5	10.1	4.5	4.5				3		
SR4A	Fine	Moderate	08:44	8.4	Surface	1.0	0.0	145	28.6	28.7	8.0	8.0	23.9	23.9	76.5	76.5	5.2	4.8	2	6.0	3	2	817196	807819			
						1.0	0.0	146	28.7		8.0	8.0	23.9	23.9	76.5	76.5	5.2	4.8	3								
					Middle	4.2	0.1	140	27.7	27.7	8.0	8.0	26.1	26.1	64.9	64.9	4.4	4.4	5.7		4.0				2	2	
						4.2	-	144	27.7		8.0	8.0	26.1	26.1	64.9	64.9	4.4	4.4	5.7		4.0				2		
					Bottom	7.4	0.0	170	26.8	26.8	8.0	8.0	29.2	29.2	59.0	59.1	4.0	4.0	7.5		4.0				4.0	2	2
						7.4	0.0	176	26.8		8.0	8.0	29.2	29.2	59.1	59.1	4.0	4.0	7.4		4.0				4.0	2	
SR8	Sunny	Calm	09:20	5.3	Surface	1.0	-	-	28.6	28.6	8.0	8.0	20.5	20.5	75.7	75.7	5.2	5.2	1.4	3.2	2	3	820406	811645			
						1.0	-	-	28.6		8.0	8.0	20.5	20.5	75.7	75.7	5.2	5.2	1.4		3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				3.2	3	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-		3
					Bottom	4.3	-	-	27.5	27.5	7.9	7.9	23.7	23.7	63.1	63.1	4.4	4.4	5.1	4.4	4.4				2	2	
						4.3	-	-	27.5		7.9	7.9	23.7	23.7	63.1	63.1	4.4	4.4	5.1	4.4	4.4				2		

DA: Depth-Averaged

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	16:34	8.2	Surface	1.0	0.3	203	<u>27.8</u>	27.8	8.0	8.0	20.2	20.2	<u>78.2</u>	78.1	5.5	4.7	3.9	7.9	2	3	815615	804246
						1.0	0.3	196	<u>27.8</u>		8.0	8.0	20.2		<u>77.9</u>	5.5	3.9							
					Middle	4.1	0.3	199	<u>25.7</u>	8.0	8.0	32.4	32.4	55.5	55.7	3.8	9.2							
						4.1	0.3	197	<u>25.6</u>	8.0	8.0	32.4	32.4	55.8	55.7	3.8	9.3							
					Bottom	7.2	0.3	223	<u>25.6</u>	8.0	8.0	32.6	32.6	58.4	58.6	4.0	10.9							
						7.2	0.3	219	<u>25.6</u>	8.0	8.0	32.6	32.6	58.8	58.6	4.0	10.1							
C2	Sunny	Moderate	15:23	12.2	Surface	1.0	0.2	163	<u>28.0</u>	28.0	7.9	7.9	22.5	22.5	68.8	67.2	4.8	4.3	3.8	6.9	3	3	825686	806942
						1.0	0.1	167	<u>28.0</u>		7.9	7.9	22.5		65.5	4.5	3.8							
					Middle	6.1	0.2	168	<u>27.1</u>	7.9	7.9	26.8	26.8	57.7	57.7	4.0	5.4							
						6.1	0.2	164	<u>27.0</u>	7.9	7.9	26.8	26.8	57.7	57.7	4.0	5.6							
					Bottom	11.2	0.2	166	<u>26.6</u>	7.9	7.9	29.2	29.2	57.5	57.7	3.9	11.3							
						11.2	0.2	166	<u>26.6</u>	7.9	7.9	29.2	29.2	57.8	57.7	3.9	11.5							
C3	Misty	Moderate	17:00	9.0	Surface	1.0	0.4	84	<u>26.0</u>	26.0	8.0	8.0	27.2	27.3	72.0	72.0	5.0	5.0	1.0	1.4	<2	2	822099	817811
						1.0	0.4	85	<u>26.0</u>		8.0	8.0	27.4		71.9	5.0	1.0							
					Middle	4.5	0.3	74	<u>25.6</u>	8.0	8.0	28.2	28.3	71.4	71.4	5.0	1.2							
						4.5	0.3	76	<u>25.5</u>	8.0	8.0	28.4	28.3	71.4	71.4	5.0	1.3							
					Bottom	8.0	0.3	91	<u>24.9</u>	8.0	8.0	29.3	29.2	73.2	74.1	5.1	1.9							
						8.0	0.3	86	<u>24.9</u>	8.0	8.0	29.1	29.2	74.9	74.1	5.3	1.8							
IM1	Sunny	Moderate	16:19	6.6	Surface	1.0	0.2	177	<u>27.5</u>	27.5	8.0	8.0	22.5	22.6	75.5	75.4	5.3	5.2	5.2	8.8	2	3	818366	806457
						1.0	0.2	184	<u>27.5</u>		8.0	8.0	22.6		75.3	5.3	5.8							
					Middle	3.3	0.2	168	<u>26.8</u>	8.0	8.0	23.0	23.1	72.5	71.8	5.1	8.6							
						3.3	0.1	161	<u>26.7</u>	8.0	8.0	23.1	23.1	71.0	71.8	5.0	9.1							
					Bottom	5.6	0.2	168	<u>26.5</u>	8.0	8.0	30.0	30.0	62.7	62.9	4.3	12.1							
						5.6	0.2	168	<u>26.5</u>	8.0	8.0	30.0	30.0	63.1	62.9	4.3	12.0							
IM2	Sunny	Moderate	16:12	7.6	Surface	1.0	0.2	185	<u>27.7</u>	27.7	8.0	8.0	22.8	22.9	77.2	77.2	5.4	5.4	3.4	3.6	2	3	819191	806236
						1.0	0.1	186	<u>27.7</u>		8.0	8.0	22.9		77.2	5.4	3.4							
					Middle	3.8	0.2	182	<u>27.4</u>	8.0	8.0	23.4	23.4	76.3	76.3	5.3	3.6							
						3.8	0.2	180	<u>27.4</u>	8.0	8.0	23.4	23.4	76.2	76.3	5.3	3.7							
					Bottom	6.6	0.2	172	<u>27.2</u>	8.0	8.0	26.5	26.5	72.0	72.1	4.9	3.9							
						6.6	0.2	174	<u>27.2</u>	8.0	8.0	26.5	26.5	72.2	72.1	4.9	3.9							
IM7	Sunny	Moderate	15:49	8.3	Surface	1.0	0.1	138	<u>27.9</u>	27.9	8.0	8.0	23.3	23.3	73.4	73.4	5.1	4.6	10.7	9.8	2	3	821327	806819
						1.0	0.1	132	<u>27.9</u>		8.0	8.0	23.2		73.4	5.1	10.8							
					Middle	4.2	0.2	148	<u>26.8</u>	8.0	8.0	28.5	28.6	61.9	60.2	4.2	8.4							
						4.2	0.2	142	<u>26.8</u>	8.0	8.0	28.6	28.6	58.4	58.8	4.0	8.7							
					Bottom	7.3	0.1	150	<u>26.7</u>	8.0	8.0	29.1	29.1	58.8	59.0	4.0	10.0							
						7.3	0.2	153	<u>26.7</u>	8.0	8.0	29.1	29.1	59.1	59.0	4.0	10.4							

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	15:29	9.0	Surface	1.0	0.3	90	27.1	27.1	7.9	7.9	23.0	23.0	74.0	72.1	5.2	5.0	2.5	3.4	2	2	822250	809814		
						1.0	0.3	87	27.1		7.9		23.1		70.1		4.9		2.5							
					Middle	4.5	0.3	100	26.9	26.9	7.9	7.9	24.9	24.8	70.1	70.3	4.9	5.4	4.1	5.4	3.6	2			2	
						4.5	0.3	93	26.9		7.9		24.8		70.5		4.9		3.7							
					Bottom	8.0	0.3	87	26.7	26.8	7.9	7.9	25.6	25.5	75.6	77.3	5.2	5.4	4.1	5.4	4.1	5.4			<2	2
						8.0	0.3	92	26.8		7.9		25.5		79.0		5.5		4.1							
IM11	Misty	Moderate	16:02	7.4	Surface	1.0	0.4	79	26.9	26.9	8.0	8.0	23.5	23.5	74.4	74.2	5.2	5.1	2.6	3.4	<2	2	821480	810550		
						1.0	0.4	77	26.9		8.0		23.5		74.0		5.2		2.7							
					Middle	3.7	0.4	104	26.7	26.7	8.0	8.0	25.5	25.6	71.7	71.7	5.0	5.5	4.1	5.5	3.3	2			2	
						3.7	0.4	102	26.7		8.0		25.7		71.7		5.0		3.3							
					Bottom	6.4	0.4	86	26.7	26.7	8.0	8.0	25.9	25.9	77.3	78.4	5.4	5.5	4.2	5.5	4.2	5.5			2	2
						6.4	0.4	81	26.7		8.0		25.8		79.5		5.5		4.2							
IM12	Misty	Moderate	16:08	7.0	Surface	1.0	0.5	108	26.9	26.9	8.0	8.0	23.8	23.8	75.3	75.2	5.3	5.3	1.4	2.3	2	2	821141	811510		
						1.0	0.5	107	26.9		8.0		23.9		75.1		5.3		1.5							
					Middle	3.5	0.5	88	26.7	26.7	8.0	8.0	24.8	24.8	75.0	75.1	5.2	5.6	3.5	5.6	2.0	2			2	
						3.5	0.5	91	26.7		8.0		24.8		75.1		5.2		2.0							
					Bottom	6.0	0.5	121	26.3	26.3	8.0	8.0	26.6	26.6	77.2	80.3	5.4	5.6	3.4	5.6	3.4	5.6			<2	2
						6.0	0.5	115	26.3		8.0		26.6		83.4		5.8		3.4							
SR1A	Misty	Moderate	16:20	5.0	Surface	1.0	0.0	141	27.3	27.3	7.9	7.9	23.7	23.7	74.1	74.2	5.2	5.2	3.4	3.7	2	2	819981	812662		
						1.0	0.0	136	27.2		7.9		23.8		74.2		5.2		3.4							
					Middle	2.5	0.0	138	-	-	-	-	-	-	-	-	-	5.8	4.0	5.8	4.0	5.8			2	2
						2.5	0.0	138	-		-		-		-		-		2							
					Bottom	4.0	0.1	110	27.1	27.1	7.9	7.9	24.1	24.1	81.6	82.8	5.7	5.8	4.1	5.8	4.1	5.8			2	2
						4.0	0.1	103	27.1		7.9		24.0		83.9		5.8		4.1							
SR2	Misty	Moderate	16:38	5.2	Surface	1.0	0.4	34	26.7	26.7	8.0	8.0	25.1	25.1	76.3	76.5	5.3	5.3	1.2	1.5	<2	2	821485	814182		
						1.0	0.4	40	26.7		8.0		25.1		76.7		5.3		1.2							
					Middle	-	0.4	35	-	-	-	-	-	-	-	-	-	5.7	1.8	5.7	1.8	5.7			<2	2
						-	0.4	33	-		-		-		-		-		1.8							
					Bottom	4.2	0.4	63	26.4	26.4	8.0	8.0	25.4	25.4	80.7	81.4	5.6	5.7	1.8	5.7	1.8	5.7			<2	2
						4.2	0.4	63	26.4		8.0		25.5		82.0		5.7		1.8							
SR3	Sunny	Moderate	15:42	9.7	Surface	1.0	0.2	152	28.2	28.2	8.0	8.0	20.6	20.6	75.9	75.9	5.3	4.9	3.7	6.8	4	3	822138	807554		
						1.0	0.3	146	28.2		8.0		20.7		75.9		5.3		3.7							
					Middle	4.9	0.3	143	27.6	27.6	7.9	7.9	25.8	25.8	63.8	63.9	4.4	4.5	8.4	4.5	8.4	4.5			3	3
						4.9	0.2	141	27.6		7.9		25.8		63.9		4.4		8.4							
					Bottom	8.7	0.3	136	27.6	27.6	7.9	7.9	25.8	25.8	65.7	65.8	4.5	4.6	8.3	4.6	8.3	4.6			3	3
						8.7	0.4	142	27.6		7.9		25.8		65.9		4.5		8.3							
SR4A	Sunny	Moderate	16:51	8.9	Surface	1.0	0.0	92	27.8	27.8	8.0	8.0	20.3	20.3	80.1	80.0	5.6	5.5	4.8	10.0	3	3	817208	807812		
						1.0	0.0	85	27.8		8.0		20.3		79.9		5.6		5.4							
					Middle	4.5	0.0	81	27.2	27.2	8.0	8.0	22.2	22.2	75.4	75.2	5.3	4.6	10.1	4.6	10.1	4.6			2	3
						4.5	0.0	74	27.2		8.0		22.2		74.9		5.3		10.8							
					Bottom	7.9	0.1	107	27.0	27.0	8.0	8.0	27.4	27.4	67.5	67.6	4.6	4.6	14.9	4.6	14.9	4.6			2	3
						7.9	0.0	103	27.0		8.0		27.5		67.7		4.6		14.3							
SR8	Misty	Moderate	16:12	4.6	Surface	1.0	-	-	27.3	27.3	8.0	8.0	23.5	23.5	79.9	80.4	5.6	5.6	1.2	1.4	2	3	820379	811605		
						1.0	-	-	27.2		8.0		23.5		80.8		5.6		1.1							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.3	1.6	6.3	1.6	6.3			2	4
						-	-	-	-		-		-		-		-		3							
					Bottom	3.6	-	-	27.2	27.2	8.0	8.0	23.7	23.7	88.8	89.5	6.2	6.3	1.6	6.3	1.6	6.3			3	4
						3.6	-	-	27.2		8.0		23.7		90.2		6.3		1.6							

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	11:20	7.9	Surface	1.0	0.4	47	27.7	27.7	8.0	8.0	20.7	20.7	77.1	77.1	5.4	5.2	7.9	7.0	3	3	815612	804252
						1.0	0.4	46	27.7		8.0	8.0	20.8	20.8	77.0	77.0	5.4		8.2					
					Middle	4.0	0.4	20	27.2	27.2	8.0	8.0	23.7	23.8	71.8	71.6	5.0	4.5	5.4	3				
						4.0	0.4	14	27.1		8.0	8.0	23.8	23.8	71.4	71.4	5.0		5.7					
					Bottom	6.9	0.4	30	26.7	26.7	7.9	7.9	29.1	29.1	65.2	65.3	4.4	4.5	7.7	3				
						6.9	0.4	24	26.7		7.9	7.9	29.1	29.1	65.3	65.3	4.5		7.2	2				
C2	Fine	Moderate	12:27	11.2	Surface	1.0	0.4	359	28.0	28.0	7.9	7.9	22.7	22.7	68.9	68.8	4.8	4.4	4.2	6.3	2	2	825701	806950
						1.0	0.4	353	28.0		7.9	7.9	22.8	22.8	68.7	68.7	4.7		4.2					
					Middle	5.6	0.4	6	27.3	27.3	7.9	7.9	26.7	26.7	59.5	59.5	4.1	3.7	4.1		2			
						5.6	0.3	3	27.2		7.9	7.9	26.7	26.7	59.4	59.4	4.1		4.1					
					Bottom	10.2	0.4	351	26.6	26.6	7.9	7.9	29.1	29.1	54.0	54.0	3.7	3.7	10.4		3			
						10.2	0.4	348	26.6		7.9	7.9	29.1	29.1	54.0	54.0	3.7		10.6		3			
C3	Misty	Moderate	09:59	8.0	Surface	1.0	0.5	268	26.8	26.8	7.8	7.8	24.1	24.1	65.3	65.2	4.6	4.6	1.0	1.1	3	2	822090	817822
						1.0	0.4	269	26.7		7.8	7.8	24.1	24.1	65.1	65.1	4.6		1.0					
					Middle	4.0	0.4	272	26.6	26.6	7.8	7.8	25.7	25.8	64.6	64.6	4.5	4.5	1.1		2			
						4.0	0.5	274	26.6		7.8	7.8	25.8	25.8	64.6	64.6	4.5		1.1					
					Bottom	7.0	0.5	291	26.5	26.5	7.8	7.8	25.9	25.9	64.7	64.8	4.5	4.5	1.2		<2			
						7.0	0.5	286	26.5		7.8	7.8	25.9	25.9	64.8	64.8	4.5		1.3		<2			
IM1	Fine	Moderate	11:35	6.6	Surface	1.0	0.3	13	27.6	27.6	8.0	8.0	23.9	23.9	75.4	75.4	5.2	5.2	4.4	8.1	3	3	818339	806470
						1.0	0.3	19	27.6		8.0	8.0	23.9	23.9	75.3	75.3	5.2		4.4					
					Middle	3.3	0.3	23	27.1	27.1	8.0	8.0	24.7	24.7	73.8	73.7	5.1	4.5	8.7		3			
						3.3	0.3	22	27.1		8.0	8.0	24.8	24.8	73.5	73.5	5.1		9.3		3			
					Bottom	5.6	0.3	24	26.9	26.9	8.0	8.0	28.4	28.5	66.7	66.8	4.5	4.5	10.8		2			
						5.6	0.4	18	26.9		8.0	8.0	28.6	28.6	66.8	66.8	4.5		11.0		2			
IM2	Fine	Moderate	11:41	6.8	Surface	1.0	0.3	355	27.4	27.4	8.0	8.0	24.4	24.4	78.9	79.0	5.5	5.0	3.2	4.5	3	3	819193	806254
						1.0	0.4	347	27.4		8.0	8.0	24.4	24.4	79.1	79.1	5.5		3.2					
					Middle	3.4	0.3	19	27.0	27.0	8.0	8.0	27.7	27.8	65.0	64.9	4.4	4.5	5.2		4			
						3.4	0.3	22	26.9		8.0	8.0	27.8	27.8	64.8	64.8	4.4		5.1		3			
					Bottom	5.8	0.3	13	26.9	26.9	8.0	8.0	28.4	28.3	66.0	66.1	4.5	4.5	5.2		4			
						5.8	0.3	17	26.9		8.0	8.0	28.3	28.3	66.2	66.2	4.5		5.1		3			
IM7	Fine	Moderate	12:01	7.9	Surface	1.0	0.2	338	28.0	28.0	8.0	8.0	21.2	21.2	73.1	73.1	5.1	5.0	4.1	7.8	5	4	821334	806839
						1.0	0.2	344	28.0		8.0	8.0	21.3	21.3	73.0	73.0	5.1		4.1					
					Middle	4.0	0.1	330	27.3	27.3	8.0	8.0	24.9	24.9	70.1	70.1	4.8	4.5	7.6		4			
						4.0	0.2	325	27.3		8.0	8.0	24.9	24.9	70.0	70.0	4.8		8.0		3			
					Bottom	6.9	0.1	352	27.0	27.0	8.0	8.0	28.0	28.0	65.2	65.3	4.4	4.5	11.4		3			
						6.9	0.2	356	27.0		8.0	8.0	28.0	28.0	65.3	65.3	4.5		11.5		2			

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Moderate	11:07	8.6	Surface	1.0	0.4	274	27.3	27.3	7.9	7.9	22.9	22.9	71.5	71.4	5.0	5.0	1.2	1.2	2	2	822263	809820					
						1.0	0.4	270	27.3	27.3	7.9	7.9	23.0	22.9	71.3	71.4	5.0	5.0	1.1	1.1	2	2							
					Middle	4.3	0.4	276	27.1	27.1	7.9	7.9	23.5	23.4	70.3	70.2	4.9	4.9	2.1	2.1	2	2							
						4.3	0.4	278	27.1	27.1	7.9	7.9	23.3	23.4	70.1	70.2	4.9	4.9	2.1	2.1	3	3							
					Bottom	7.6	0.4	291	27.0	27.0	7.9	7.9	24.9	24.9	75.3	77.1	5.2	5.4	3.1	3.1	3	3							
						7.6	0.3	286	27.0	27.0	7.9	7.9	24.9	24.9	78.8	77.1	5.5	5.4	3.0	3.0	2	2							
IM11	Misty	Moderate	11:01	8.2	Surface	1.0	0.4	282	27.1	27.1	7.9	7.9	22.8	22.9	75.4	73.6	5.3	5.1	3.1	3.1	2	2	821490	810556					
						1.0	0.4	278	27.0	27.1	7.9	7.9	22.9	22.9	71.7	73.6	5.0	5.1	3.2	3.2	2	2							
					Middle	4.1	0.4	292	26.8	26.8	7.9	7.9	23.5	23.5	70.8	70.7	5.0	5.0	4.2	4.2	<2	<2							
						4.1	0.4	285	26.8	26.8	7.9	7.9	23.5	23.5	70.6	70.7	5.0	5.0	4.2	4.2	<2	<2							
					Bottom	7.2	0.4	295	26.7	26.7	7.9	7.9	25.9	25.9	72.3	72.7	5.0	5.1	5.0	5.0	5.0	5.0			<2	<2			
						7.2	0.4	295	26.7	26.7	7.9	7.9	25.8	25.9	73.0	72.7	5.1	5.1	5.0	5.0	5.0	5.0			<2	<2			
IM12	Misty	Moderate	10:57	7.8	Surface	1.0	0.4	283	27.0	27.0	8.0	8.0	22.4	22.4	74.8	74.7	5.3	5.2	1.6	1.6	<2	<2	821166	811502					
						1.0	0.5	276	27.0	27.0	8.0	8.0	22.4	22.4	74.5	74.7	5.2	5.2	1.6	1.6	<2	<2							
					Middle	3.9	0.4	272	26.8	26.8	7.9	7.9	25.4	25.5	74.0	74.1	5.1	5.2	2.5	2.5	2	2							
						3.9	0.4	274	26.7	26.8	7.9	7.9	25.6	25.5	74.1	74.1	5.1	5.1	2.4	2.4	2	2							
					Bottom	6.8	0.4	310	26.5	26.6	7.9	7.9	26.1	26.0	77.4	78.6	5.4	5.5	3.9	3.9	3	3							
						6.8	0.4	304	26.6	26.6	7.9	7.9	25.9	26.0	79.7	78.6	5.5	5.5	3.8	3.8	2	2							
SR1A	Misty	Moderate	10:43	5.2	Surface	1.0	0.0	187	27.5	27.5	7.9	7.9	22.5	22.5	74.4	74.4	5.2	5.2	1.2	1.2	<2	<2	819976	812661					
						1.0	0.1	182	27.5	27.5	7.9	7.9	22.5	22.5	74.4	74.4	5.2	5.2	1.2	1.2	<2	<2							
					Middle	2.6	0.0	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.3	-	<2	<2	
						2.6	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	<2	<2
					Bottom	4.2	0.0	174	27.5	27.5	7.9	7.9	22.5	22.4	74.4	74.3	5.2	5.2	1.3	1.3	1.3	1.3			<2	<2			
						4.2	0.1	170	27.5	27.5	7.9	7.9	22.4	22.4	74.2	74.3	5.2	5.2	1.3	1.3	1.3	1.3			<2	<2			
SR2	Misty	Moderate	10:24	5.0	Surface	1.0	0.1	277	27.1	27.1	8.0	8.0	24.3	24.3	78.7	79.2	5.5	5.5	1.0	1.0	2	2	821444	814143					
						1.0	0.1	276	27.0	27.1	8.0	8.0	24.3	24.3	79.6	79.2	5.5	5.5	1.0	1.0	2	2							
					Middle	-	0.2	283	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	1.1	-	2	2
						-	0.2	282	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	2
					Bottom	4.0	0.1	262	27.0	27.0	8.0	8.0	24.4	24.3	87.2	88.7	6.1	6.2	1.2	1.2	1.2	1.2			<2	<2			
						4.0	0.1	265	27.0	27.0	8.0	8.0	24.1	24.3	90.2	88.7	6.3	6.2	1.2	1.2	1.2	1.2			<2	<2			
SR3	Fine	Moderate	12:08	8.9	Surface	1.0	0.2	340	28.2	28.2	8.0	8.0	20.3	20.3	73.6	73.5	5.1	5.0	3.5	3.5	2	2	822127	807573					
						1.0	0.3	344	28.1	28.2	8.0	8.0	20.4	20.3	73.4	73.5	5.1	5.0	3.5	3.5	2	2							
					Middle	4.5	0.3	330	27.8	27.8	7.9	7.9	24.0	24.0	70.5	70.1	4.9	4.8	6.3	6.3	2	2							
						4.5	0.3	336	27.7	27.8	7.9	7.9	24.0	24.0	69.7	70.1	4.8	4.8	6.8	6.8	2	2							
					Bottom	7.9	0.2	342	27.6	27.6	7.9	7.9	26.3	26.3	65.8	66.0	4.5	4.5	8.7	8.7	2	2							
						7.9	0.3	346	27.6	27.6	7.9	7.9	26.3	26.3	66.1	66.0	4.5	4.5	8.7	8.7	2	2							
SR4A	Fine	Moderate	11:00	8.8	Surface	1.0	0.0	147	27.6	27.6	7.9	7.9	24.3	24.3	77.9	77.9	5.4	5.2	4.4	4.4	3	3	817207	807803					
						1.0	0.1	150	27.6	27.6	7.9	7.9	24.3	24.3	77.9	77.9	5.4	5.2	4.4	4.4	3	3							
					Middle	4.4	0.0	132	27.7	27.7	7.8	7.8	25.1	25.2	71.5	71.5	4.9	4.9	6.2	6.2	4	4							
						4.4	0.0	129	27.6	27.7	7.8	7.8	25.2	25.2	71.4	71.5	4.9	4.9	6.2	6.2	4	4							
					Bottom	7.8	0.0	141	26.9	26.9	7.8	7.8	28.8	28.8	60.8	61.0	4.1	4.2	7.1	7.1	4	4							
						7.8	0.0	139	26.9	26.9	7.8	7.8	28.8	28.8	61.1	61.0	4.2	4.2	7.1	7.1	4	4							
SR8	Misty	Moderate	10:52	5.4	Surface	1.0	-	-	27.4	27.4	8.0	8.0	22.5	22.6	82.3	82.6	5.7	5.8	1.0	1.0	<2	<2	820370	811617					
						1.0	-	-	27.3	27.4	8.0	8.0	22.6	22.6	82.8	82.6	5.8	5.8	1.0	1.0	<2	<2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	1.6	-	<2	<2
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	<2
					Bottom	4.4	-	-	27.2	27.2	8.0	8.0	24.0	23.9	86.8	87.7	6.0	6.1	2.2	2.2	2.2	2.2			<2	<2			
						4.4	-	-	27.2	27.2	8.0	8.0	23.7	23.9	88.6	87.7	6.2	6.1	2.1	2.1	2.1	2.1			<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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	07:28	8.0	Surface	1.0	0.4	212	<u>27.1</u>	27.1	7.9	7.8	25.0	25.0	64.6	64.6	4.5	4.1	5.3	7.9	3	3	815601	804240
						1.0	0.4	213	27.1		7.8	7.8	25.0		64.6	4.5	5.4							
					Middle	4.0	0.4	221	<u>26.3</u>	26.3	7.8	7.8	28.9	29.0	54.2	54.3	3.7	9.3						
						4.0	0.4	222	26.3		7.8	7.8	29.0		54.3	3.7	9.3							
					Bottom	7.0	0.4	228	<u>26.2</u>	26.2	7.8	7.8	29.4	29.4	54.9	55.0	3.8	9.1						
						7.0	0.4	229	26.2		7.8	7.8	29.4		55.0	3.8	9.1							
C2	Fine	Moderate	08:53	11.0	Surface	1.0	0.5	176	<u>28.1</u>	28.1	7.9	7.9	17.4	17.4	75.3	75.3	5.3	4.5	4.4	6.2	2	3	825664	806939
						1.0	0.5	174	28.1		7.9	7.9	17.3		75.2	5.3	4.5							
					Middle	5.5	0.6	183	<u>26.7</u>	26.7	7.9	7.9	27.5	27.6	53.0	53.0	3.6	5.8						
						5.5	0.5	184	26.7		7.9	7.9	27.6		52.9	3.6	5.9							
					Bottom	10.0	0.6	182	<u>26.5</u>	26.5	7.9	7.9	28.5	28.5	51.8	51.8	3.6	8.6						
						10.0	0.6	183	26.5		7.9	7.9	28.5		51.8	3.6	7.9							
C3	Misty	Moderate	07:26	8.0	Surface	1.0	0.4	62	<u>26.8</u>	26.8	7.7	7.7	19.4	19.5	68.5	68.5	4.9	4.9	1.1	1.4	3	3	822118	817814
						1.0	0.4	58	26.8		7.7	7.7	19.5		68.4	4.9	1.0							
					Middle	4.0	0.3	76	<u>26.8</u>	26.8	7.7	7.7	21.8	21.8	68.7	68.8	4.9	1.2						
						4.0	0.2	78	26.8		7.7	7.7	21.8		68.9	4.9	1.1							
					Bottom	7.0	0.3	62	<u>26.8</u>	26.8	7.7	7.7	21.7	21.7	69.8	70.1	4.9	2.1						
						7.0	0.3	57	26.8		7.7	7.7	21.7		70.4	5.0	2.1							
IM1	Fine	Moderate	07:45	6.2	Surface	1.0	0.4	183	<u>27.4</u>	27.4	7.9	7.9	24.4	24.5	68.4	68.4	4.7	4.5	6.6	8.3	2	3	818341	806478
						1.0	0.3	179	27.3		7.9	7.9	24.5		68.4	4.7	6.7							
					Middle	3.1	0.3	192	<u>26.3</u>	26.3	7.9	7.9	28.4	28.4	62.0	62.0	4.3	8.0						
						3.1	0.4	188	26.3		7.9	7.9	28.4		62.0	4.3	8.2							
					Bottom	5.2	0.4	199	<u>25.8</u>	25.8	7.8	7.8	31.0	31.0	50.6	50.7	3.5	10.0						
						5.2	0.4	197	25.8		7.8	7.8	31.0		50.8	3.5	10.1							
IM2	Fine	Moderate	07:51	7.0	Surface	1.0	0.3	193	<u>27.1</u>	27.1	7.9	7.9	25.6	25.6	72.1	72.1	5.0	4.5	5.3	7.2	3	3	819197	806228
						1.0	0.3	193	27.1		7.9	7.9	25.6		72.1	5.0	5.3							
					Middle	3.5	0.4	216	<u>26.5</u>	26.5	7.9	7.9	28.0	28.0	58.4	58.4	4.0	5.7						
						3.5	0.4	218	26.5		7.9	7.9	28.0		58.4	4.0	5.8							
					Bottom	6.0	0.4	196	<u>25.7</u>	25.7	7.8	7.8	31.8	31.8	49.5	49.6	3.4	10.3						
						6.0	0.4	191	25.7		7.8	7.8	31.8		49.7	3.4	10.8							
IM7	Fine	Moderate	08:23	8.2	Surface	1.0	0.2	188	<u>27.7</u>	27.7	7.8	7.8	21.7	21.7	72.4	72.4	5.1	5.0	4.9	5.8	3	3	821330	806812
						1.0	0.2	188	27.7		7.8	7.8	21.7		72.3	5.0	4.9							
					Middle	4.1	0.2	220	<u>27.4</u>	27.4	7.7	7.7	23.0	23.1	70.0	70.1	4.9	6.1						
						4.1	0.3	213	27.4		7.7	7.7	23.1		70.1	4.9	6.1							
					Bottom	7.2	0.3	214	<u>27.4</u>	27.4	7.6	7.6	23.2	23.2	70.4	70.5	4.9	6.5						
						7.2	0.2	217	27.4		7.6	7.6	23.2		70.6	4.9	6.5							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Moderate	08:31	8.6	Surface	1.0	0.4	113	27.0	27.0	7.8	7.8	19.4	19.4	73.3	73.2	5.2	4.9	2.2	3.5	<2	2	822232	809856
						1.0	0.4	109	27.0		7.8	7.8	19.4	19.4	73.1	73.2	5.2		2.2		<2			
					Middle	4.3	0.4	138	26.9	26.9	7.8	7.7	21.8	21.8	65.0	65.1	4.6		3.4		<2			
						4.3	0.4	131	26.9		7.7	7.7	21.8	21.8	65.1	65.1	4.6		3.5		<2			
					Bottom	7.6	0.4	112	26.9	26.9	7.7	7.7	21.8	21.8	66.0	66.4	4.7		4.9		3			
						7.6	0.4	119	26.9		7.7	7.7	21.7	21.8	66.8	66.4	4.7		5.0		3			
IM11	Rainy	Moderate	08:24	8.2	Surface	1.0	0.5	116	27.0	27.0	7.8	7.8	19.8	19.8	69.9	69.7	5.0	4.8	2.2	3.2	2	2	821490	810564
						1.0	0.6	113	27.0		7.8	7.8	19.9	19.8	69.4	69.7	5.0		2.1		2			
					Middle	4.1	0.5	91	26.9	26.9	7.7	7.7	21.6	21.6	65.1	65.1	4.6		3.4		3			
						4.1	0.4	84	26.9		7.7	7.7	21.7	21.6	65.1	65.1	4.6		3.5		2			
					Bottom	7.2	0.5	100	26.9	26.9	7.7	7.7	21.7	21.7	65.4	65.5	4.6		4.1		3			
						7.2	0.5	101	26.9		7.7	7.7	21.7	21.7	65.5	65.5	4.6		4.0		2			
IM12	Rainy	Moderate	08:18	7.8	Surface	1.0	0.5	92	27.0	27.0	7.8	7.8	19.7	19.5	69.8	69.5	5.0	4.8	1.3	1.9	2	3	821179	811518
						1.0	0.5	99	27.0		7.8	7.8	19.4	19.5	69.2	69.5	5.0		1.3		2			
					Middle	3.9	0.5	95	26.9	26.9	7.8	7.8	20.7	20.7	64.0	64.1	4.6		2.0		3			
						3.9	0.5	91	26.9		7.8	7.8	20.7	20.7	64.1	64.1	4.6		1.9		2			
					Bottom	6.8	0.5	92	26.9	26.9	7.7	7.7	21.4	21.3	66.3	66.5	4.7		2.6		3			
						6.8	0.5	98	26.9		7.7	7.7	21.2	21.3	66.7	66.5	4.7		2.6		3			
SR1A	Misty	Moderate	07:56	5.2	Surface	1.0	0.0	128	26.9	26.9	7.7	7.7	21.1	21.1	73.3	73.5	5.2	5.2	1.0	1.1	<2	2	819976	812660
						1.0	0.1	132	26.9		7.7	7.7	21.2	21.1	73.7	73.5	5.2		1.0		<2			
					Middle	2.6	0.0	145	-	-	-	-	-	-	-	-	-		-		-			
						2.6	0.1	139	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.2	0.0	144	26.9	26.9	7.6	7.6	21.3	21.3	76.3	76.8	5.4		1.2		2			
						4.2	0.1	140	26.9		7.6	7.6	21.3	21.3	77.2	76.8	5.5		1.2		2			
SR2	Misty	Moderate	07:43	5.0	Surface	1.0	0.4	37	26.9	26.9	7.7	7.7	21.3	21.4	70.8	70.9	5.0	5.0	1.5	1.6	3	3	821447	814153
						1.0	0.4	42	26.9		7.7	7.7	21.5	21.4	71.0	70.9	5.0		1.6		3			
					Middle	-	0.5	55	-	-	-	-	-	-	-	-	-		-		-			
						-	0.5	61	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.0	0.5	35	26.9	26.9	7.7	7.7	21.7	21.7	72.3	72.7	5.1		1.7		3			
						4.0	0.5	30	26.9		7.7	7.7	21.6	21.7	73.0	72.7	5.2		1.7		2			
SR3	Fine	Moderate	08:31	8.9	Surface	1.0	0.6	171	27.7	27.7	7.8	7.8	21.4	21.4	70.4	70.4	4.9	4.7	4.7	6.0	4	4	822167	807585
						1.0	0.5	168	27.6		7.8	7.8	21.4	21.4	70.3	70.4	4.9		4.7		4			
					Middle	4.5	0.5	172	27.3	27.3	7.8	7.8	23.4	23.4	64.4	64.3	4.5		6.3		3			
						4.5	0.5	179	27.2		7.8	7.8	23.4	23.4	64.2	64.3	4.5		6.5		4			
					Bottom	7.9	0.5	165	27.2	27.2	7.6	7.6	25.7	25.7	63.8	64.1	4.4		6.9		3			
						7.9	0.5	162	27.2		7.6	7.6	25.7	25.7	64.3	64.1	4.4		6.9		3			
SR4A	Fine	Moderate	07:12	9.0	Surface	1.0	0.1	36	27.3	27.3	7.9	7.9	23.2	23.2	70.9	70.9	4.9	4.6	5.2	9.3	2	2	817192	807813
						1.0	0.0	40	27.3		7.9	7.9	23.2	23.2	70.8	70.9	4.9		5.2		2			
					Middle	4.5	0.0	61	25.9	25.9	7.9	7.9	30.4	30.4	61.0	61.0	4.2		9.7		2			
						4.5	0.0	58	25.9		7.9	7.9	30.5	30.4	61.0	61.0	4.2		10.0		2			
					Bottom	8.0	0.0	53	25.8	25.9	7.9	7.9	31.1	31.1	51.0	51.1	3.5		12.7		2			
						8.0	0.0	48	25.9		7.9	7.9	31.1	31.1	51.1	51.1	3.5		12.9		2			
SR8	Rainy	Moderate	08:14	5.4	Surface	1.0	-	-	27.1	27.1	7.7	7.7	20.4	20.4	70.0	69.9	5.0	5.0	0.9	1.5	<2	<2	820370	811628
						1.0	-	-	27.0		7.7	7.7	20.4	20.4	69.8	69.9	5.0		0.9		<2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.4	-	-	27.0	27.0	7.7	7.6	20.7	20.5	70.3	70.5	5.0		2.0		<2			
						4.4	-	-	27.0		7.6	7.6	20.4	20.4	70.7	70.5	5.0		2.1		<2			

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Rainy	Rough	13:18	8.0	Surface	1.0	0.2	50	27.1	27.1	7.8	7.8	22.6	22.6	72.6	72.4	5.1	4.7	5.2	6.8	2	2	815616	804263	
						1.0	0.2	49	27.1		7.8	7.8	22.6	22.6	72.1	72.1	5.1		5.4						
					Middle	4.0	0.1	47	26.8	26.8	7.8	7.8	26.4	26.4	61.1	61.1	4.2	4.2	6.9	2	3				
						4.0	0.1	45	26.8		7.8	7.8	26.3	26.3	61.1	61.1	4.2		6.7						
					Bottom	7.0	0.1	37	26.6	26.6	7.8	7.8	27.3	27.3	59.8	60.1	4.1	4.2	8.1	2	2				
						7.0	0.2	43	26.6		7.8	7.8	27.3	27.3	60.3	60.1	4.2		8.4		3				
C2	Rainy	Moderate	12:11	11.2	Surface	1.0	0.1	317	27.9	27.9	7.8	7.8	18.1	18.1	77.0	77.1	5.5	4.8	4.3	5.2	2	3	825693	806934	
						1.0	0.1	321	27.9		7.8	7.8	18.1	18.1	77.1	77.1	5.5		4.4						
					Middle	5.6	0.0	321	26.8	26.8	7.7	7.7	25.2	25.2	57.0	57.0	4.0	3.9	5.4		3				3
						5.6	0.0	320	26.8		7.7	7.7	25.2	25.2	57.0	57.0	4.0		5.5						
					Bottom	10.2	0.0	299	26.7	26.7	7.7	7.7	27.9	27.9	56.7	56.8	3.9	3.9	5.9		3				3
						10.2	0.0	293	26.7		7.7	7.7	27.9	27.9	56.8	56.8	3.9		5.9						4
C3	Rainy	Moderate	13:10	9.0	Surface	1.0	0.4	281	26.7	26.7	7.9	7.9	20.9	21.1	72.9	71.9	5.2	4.7	4.4	5.5	4	3	822102	817787	
						1.0	0.4	286	26.6		7.9	7.9	21.3	21.3	70.8	71.9	5.0		4.5						
					Middle	4.5	0.4	251	26.2	26.1	7.9	7.9	25.3	25.5	61.1	61.2	4.3	4.5	5.1		3				3
						4.5	0.4	255	26.0		7.9	7.9	25.6	25.6	61.3	61.2	4.3		5.1						
					Bottom	8.0	0.4	287	25.8	25.9	7.9	7.9	26.1	26.1	63.2	63.9	4.4	4.5	6.9		3				3
						8.0	0.4	290	25.9		7.9	7.9	26.1	26.1	64.5	63.9	4.5		6.8						2
IM1	Rainy	Moderate	13:03	6.7	Surface	1.0	0.2	357	27.4	27.4	7.9	7.9	25.0	25.0	68.4	68.4	4.7	4.5	5.5	7.9	2	2	818372	806437	
						1.0	0.2	354	27.4		7.9	7.9	25.0	25.0	68.4	68.4	4.7		5.5						
					Middle	3.4	0.2	12	26.2	26.2	7.9	7.9	27.8	27.5	62.1	62.1	4.3	3.7	5.8		2				2
						3.4	0.2	14	26.1		7.9	7.9	27.2	27.5	62.1	62.1	4.3		5.9						
					Bottom	5.7	0.2	0	26.0	26.0	7.8	7.8	30.4	30.4	53.2	53.4	3.6	3.7	12.2		3				3
						5.7	0.2	4	26.0		7.8	7.8	30.4	30.4	53.5	53.4	3.7		12.7						2
IM2	Rainy	Moderate	12:58	7.1	Surface	1.0	0.1	314	27.3	27.3	7.9	7.9	25.9	25.9	68.0	68.0	4.7	4.6	4.8	6.4	2	2	819160	806228	
						1.0	0.2	311	27.2		7.9	7.9	26.0	26.9	67.9	67.9	4.7		4.9						
					Middle	3.6	0.2	326	27.0	27.0	7.8	7.8	26.9	26.9	64.2	64.2	4.4	3.6	5.0		2				2
						3.6	0.1	321	27.0		7.8	7.8	26.9	26.9	64.2	64.2	4.4		5.0						
					Bottom	6.1	0.2	302	25.8	25.8	7.7	7.7	31.3	31.3	52.7	52.9	3.6	3.6	9.2		2				2
						6.1	0.2	295	25.8		7.7	7.7	31.3	31.3	53.0	52.9	3.6		10.0						2
IM7	Rainy	Moderate	12:38	6.8	Surface	1.0	0.2	241	27.8	27.8	7.8	7.8	21.4	21.5	75.7	75.6	5.3	5.0	4.4	4.8	3	3	821353	806816	
						1.0	0.2	236	27.8		7.8	7.8	21.5	21.5	75.5	75.6	5.3		4.4						
					Middle	3.4	0.2	248	27.6	27.6	7.8	7.8	22.1	22.1	67.2	67.2	4.7	4.6	4.6		3				3
						3.4	0.2	248	27.6		7.8	7.8	22.1	22.1	67.1	67.2	4.7		4.6						
					Bottom	5.8	0.2	251	27.4	27.4	7.7	7.7	24.0	24.0	66.2	66.2	4.6	4.6	5.3		4				4
						5.8	0.2	247	27.4		7.7	7.7	24.0	24.0	66.2	66.2	4.6		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 06 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Rainy	Moderate	12:05	9.0	Surface	1.0	0.2	230	<u>27.1</u>	27.1	7.8	7.8	19.9	19.9	69.0	68.5	4.9	4.6	3.5	3	3	822237	809849				
						1.0	0.2	224	<u>27.1</u>	27.1	7.8	7.8	20.0	20.5	68.0	68.5	4.8	4.6	3.7	2							
					Middle	4.5	0.1	229	<u>26.9</u>	26.9	7.7	7.7	20.9	21.0	62.3	62.2	4.4	4.4	4.3	2							
						4.5	0.1	229	<u>26.9</u>	26.9	7.7	7.7	21.0	21.0	62.1	62.2	4.4	4.4	4.3	2							
					Bottom	8.0	0.1	241	<u>26.9</u>	26.9	7.7	7.7	22.6	22.5	63.3	63.8	4.5	4.5	5.1	4							
						8.0	0.1	234	<u>26.9</u>	26.9	7.7	7.7	22.4	22.5	64.3	63.8	4.5	4.5	5.0	4							
IM11	Rainy	Moderate	12:21	7.4	Surface	1.0	0.2	277	<u>27.2</u>	27.2	7.8	7.8	20.5	20.5	75.9	75.5	5.4	5.1	1.0	4	3	821492	810537				
						1.0	0.2	283	<u>27.2</u>	27.2	7.8	7.8	20.5	20.5	75.0	75.5	5.3	5.1	1.1	3							
					Middle	3.7	0.2	286	<u>27.1</u>	27.1	7.8	7.8	21.1	21.2	68.8	68.7	4.9	4.9	1.8	2							
						3.7	0.2	292	<u>27.1</u>	27.1	7.8	7.8	21.3	21.3	68.6	68.7	4.8	4.9	1.8	3							
					Bottom	6.4	0.1	268	<u>27.2</u>	27.2	7.7	7.7	21.7	21.6	70.2	70.9	4.9	5.0	2.1	3							
						6.4	0.2	263	<u>27.2</u>	27.2	7.7	7.7	21.6	21.6	71.5	70.9	5.0	5.0	2.1	2							
IM12	Rainy	Moderate	12:27	7.0	Surface	1.0	0.2	297	<u>26.8</u>	26.8	7.8	7.8	20.4	20.5	72.6	72.3	5.2	4.8	1.1	<2	2	821163	811539				
						1.0	0.3	301	<u>26.8</u>	26.8	7.8	7.8	20.5	20.5	72.0	72.3	5.1	4.8	1.1	<2							
					Middle	3.5	0.3	293	<u>26.5</u>	26.5	7.8	7.8	22.0	22.0	62.3	62.3	4.4	4.4	1.5	2							
						3.5	0.3	292	<u>26.5</u>	26.5	7.8	7.8	22.0	22.0	62.3	62.3	4.4	4.4	1.5	2							
					Bottom	6.0	0.3	299	<u>26.5</u>	26.6	7.7	7.7	25.4	25.4	63.9	64.4	4.5	4.5	2.0	4							
						6.0	0.2	306	<u>26.6</u>	26.6	7.7	7.7	25.3	25.4	64.8	64.4	4.5	4.5	2.1	2							
SR1A	Rainy	Moderate	12:41	5.0	Surface	1.0	0.0	174	<u>27.2</u>	27.2	7.8	7.8	20.1	20.1	76.6	76.6	5.4	5.4	1.0	3	3	819979	812665				
						1.0	0.0	175	<u>27.2</u>	27.2	7.8	7.8	20.1	20.1	76.5	76.6	5.4	5.4	1.0	3							
					Middle	2.5	0.0	176	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.5	0.0	173	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.0	-	206	<u>27.2</u>	27.2	7.8	7.8	20.2	20.2	76.1	76.1	5.4	5.4	1.4	2							
						4.0	0.0	199	<u>27.2</u>	27.2	7.8	7.8	20.2	20.2	76.0	76.1	5.4	5.4	1.5	2							
SR2	Rainy	Moderate	12:53	5.2	Surface	1.0	0.1	280	<u>26.9</u>	26.9	7.9	7.9	21.1	21.2	74.6	74.4	5.3	5.3	1.4	2	2	821471	814144				
						1.0	0.1	283	<u>26.9</u>	26.9	7.9	7.9	21.3	21.2	74.1	74.4	5.2	5.3	1.4	2							
					Middle	-	0.1	280	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.1	280	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.2	0.0	299	<u>27.1</u>	27.1	7.9	7.9	24.8	24.7	66.5	67.5	4.6	4.7	2.1	<2							
						4.2	0.0	300	<u>27.1</u>	27.1	7.9	7.9	24.6	24.7	68.4	67.5	4.8	4.7	2.1	<2							
SR3	Rainy	Moderate	12:31	8.6	Surface	1.0	0.1	153	<u>27.8</u>	27.8	7.9	7.9	20.8	20.8	76.0	76.0	5.3	4.9	4.0	3	2	822165	807559				
						1.0	0.1	145	<u>27.8</u>	27.8	7.9	7.9	20.8	20.8	76.0	76.0	5.3	4.9	4.0	2							
					Middle	4.3	0.1	166	<u>27.5</u>	27.5	7.8	7.8	23.2	23.2	65.0	65.0	4.5	4.9	4.2	<2							
						4.3	0.1	164	<u>27.5</u>	27.5	7.9	7.8	23.2	23.2	65.0	65.0	4.5	4.9	4.3	<2							
					Bottom	7.6	0.1	183	<u>27.1</u>	27.1	7.7	7.7	26.3	26.3	61.4	61.5	4.2	4.2	6.7	<2							
						7.6	0.1	184	<u>27.1</u>	27.1	7.7	7.7	26.3	26.3	61.5	61.5	4.2	4.2	6.7	<2							
SR4A	Rainy	Moderate	13:33	8.5	Surface	1.0	0.0	146	<u>27.3</u>	27.3	7.8	7.8	23.3	23.3	71.2	71.1	5.0	4.6	6.1	<2	2	817185	807795				
						1.0	0.0	138	<u>27.3</u>	27.3	7.8	7.8	23.3	23.3	71.0	71.1	4.9	4.6	6.2	<2							
					Middle	4.3	0.1	119	<u>26.4</u>	26.4	7.8	7.8	26.0	26.0	60.1	60.1	4.2	4.6	9.9	<2							
						4.3	0.1	126	<u>26.4</u>	26.4	7.8	7.8	26.0	26.0	60.1	60.1	4.2	4.6	9.9	<2							
					Bottom	7.5	0.1	114	<u>25.9</u>	25.9	7.7	7.7	30.9	30.9	55.0	55.4	3.8	3.8	11.9	2							
						7.5	0.1	117	<u>25.9</u>	25.9	7.7	7.7	30.9	30.9	55.7	55.4	3.8	3.8	11.9	2							
SR8	Rainy	Moderate	12:32	4.6	Surface	1.0	-	-	<u>26.7</u>	26.7	7.8	7.8	21.0	21.1	72.7	72.6	5.2	5.2	2.8	<2	2	820397	811634				
						1.0	-	-	<u>26.7</u>	26.7	7.8	7.8	21.2	21.1	72.5	72.6	5.2	5.2	3.0	<2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.6	-	-	<u>26.4</u>	26.4	7.7	7.7	22.0	22.0	77.0	77.4	5.5	5.6	3.5	2							
						3.6	-	-	<u>26.3</u>	26.4	7.7	7.7	22.0	22.0	77.8	77.4	5.6	5.6	3.5	2							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	10:22	8.0	Surface	1.0	0.6	221	<u>26.4</u>	26.4	8.0	8.0	<u>24.7</u>	24.7	<u>78.4</u>	78.3	5.5	5.0	1.4	6.7	2	2	815638	804242
						1.0	0.6	218	26.4		8.0	8.0	24.7	78.2	5.5	1.4								
					Middle	4.0	0.6	202	<u>25.9</u>	25.9	8.0	8.0	<u>25.1</u>	26.4	<u>68.6</u>	65.3	4.8	4.4	6.2	2				
						4.0	0.6	203	25.8		8.0	8.0	27.7	61.9	4.3	6.3								
					Bottom	7.0	0.6	232	<u>25.7</u>	25.7	8.0	8.0	<u>28.0</u>	28.0	<u>62.8</u>	63.0	4.4	4.4	12.6	3				
						7.0	0.6	235	25.7		8.0	8.0	28.0	63.1	4.4	12.6								
C2	Rainy	Rough	08:51	11.6	Surface	1.0	0.3	174	<u>26.6</u>	26.6	8.0	8.0	<u>19.1</u>	19.1	<u>77.7</u>	77.7	5.5	5.1	3.8	5.4	2	3	825668	806938
						1.0	0.4	180	26.6		8.0	8.0	19.1	77.7	5.5	3.5								
					Middle	5.8	0.4	184	<u>26.1</u>	26.1	7.9	7.9	<u>24.2</u>	24.2	<u>67.0</u>	67.0	4.7	4.2	6.2	3				
						5.8	0.4	189	26.1		7.9	7.9	24.2	67.0	4.7	6.2								
					Bottom	10.6	0.4	169	<u>25.7</u>	25.7	7.9	7.9	<u>26.9</u>	27.0	<u>61.2</u>	61.2	4.2	4.2	6.5	3				
						10.6	0.4	174	25.7		7.9	7.9	27.0	61.2	4.2	6.5								
C3	Rainy	Rough	10:49	12.7	Surface	1.0	0.4	56	<u>26.9</u>	26.9	8.0	8.0	<u>25.3</u>	25.3	<u>83.1</u>	83.1	5.7	5.5	3.9	5.1	4	4	822128	817807
						1.0	0.5	50	26.9		8.0	8.0	25.3	83.1	5.7	3.9								
					Middle	6.4	0.4	86	<u>26.9</u>	26.9	8.0	8.0	<u>25.6</u>	25.6	<u>75.7</u>	75.7	5.2	4.2	4.2	4				
						6.4	0.4	88	26.9		8.0	8.0	25.5	75.7	5.2	4.1								
					Bottom	11.7	0.4	80	<u>26.6</u>	26.6	7.9	7.9	<u>27.5</u>	27.5	<u>60.9</u>	60.9	4.2	4.2	7.2	2				
						11.7	0.4	79	26.6		7.9	7.9	27.5	60.9	4.2	7.2								
IM1	Rainy	Rough	10:08	7.1	Surface	1.0	0.4	198	<u>26.2</u>	26.2	7.9	7.9	<u>25.8</u>	25.9	<u>68.2</u>	68.2	4.7	4.5	2.0	7.1	2	3	818341	806466
						1.0	0.4	198	26.2		7.9	7.9	25.9	68.2	4.7	2.0								
					Middle	3.6	0.4	174	<u>25.8</u>	25.8	7.9	7.9	<u>27.5</u>	27.5	<u>62.4</u>	62.4	4.3	4.2	8.8	3				
						3.6	0.4	169	25.8		7.9	7.9	27.5	62.4	4.3	9.0								
					Bottom	6.1	0.4	177	<u>25.8</u>	25.8	7.9	7.9	<u>27.5</u>	27.5	<u>59.4</u>	59.5	4.1	4.2	10.6	4				
						6.1	0.4	181	25.8		7.9	7.9	27.5	59.6	4.2	10.6								
IM2	Rainy	Rough	09:44	7.3	Surface	1.0	0.4	177	<u>26.2</u>	26.2	7.9	7.9	<u>25.8</u>	25.8	<u>65.6</u>	65.6	4.6	4.6	1.8	5.3	2	3	819189	806220
						1.0	0.4	170	26.2		7.9	7.9	25.8	65.5	4.6	1.8								
					Middle	3.7	0.4	193	<u>25.9</u>	25.9	7.9	7.9	<u>26.7</u>	26.7	<u>65.6</u>	65.6	4.6	4.3	4.1	3				
						3.7	0.4	191	25.9		7.9	7.9	26.8	65.5	4.6	4.5								
					Bottom	6.3	0.4	173	<u>25.7</u>	25.7	7.9	7.9	<u>27.6</u>	27.6	<u>61.3</u>	61.3	4.3	4.3	10.0	3				
						6.3	0.3	170	25.7		7.9	7.9	27.6	61.3	4.3	9.8								
IM7	Rainy	Rough	09:32	7.4	Surface	1.0	0.2	159	<u>26.7</u>	26.7	7.9	7.9	<u>22.9</u>	22.9	<u>76.8</u>	76.8	5.4	5.2	0.5	2.8	<2	2	821328	806846
						1.0	0.2	165	26.7		7.9	7.9	23.0	76.7	5.4	0.5								
					Middle	3.7	0.2	153	<u>26.3</u>	26.3	7.9	7.9	<u>24.7</u>	24.7	<u>69.6</u>	69.6	4.9	4.5	2.3	2				
						3.7	0.2	147	26.2		7.9	7.9	24.7	69.5	4.9	2.5								
					Bottom	6.4	0.2	180	<u>25.9</u>	25.9	7.9	7.9	<u>27.0</u>	27.0	<u>64.1</u>	64.2	4.5	4.5	5.4	2				
						6.4	0.2	183	25.9		7.9	7.9	27.0	64.3	4.5	5.6								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 09 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Rainy	Rough	08:53	9.1	Surface	1.0	0.4	95	26.9	26.9	7.9	7.9	26.2	26.2	75.2	75.2	5.2	5.2	3.9	4.0	2	2	822242	809856		
						1.0	0.5	88	26.9		7.9	7.9	26.2	26.2	75.2	75.2	5.2		3.9							
					Middle	4.6	0.4	92	26.8	26.8	7.9	7.9	26.7	26.7	74.6	74.6	5.1	5.1	4.0	2	2	2			2	
						4.6	0.4	95	26.8		7.9	7.9	26.7	26.7	74.5	74.5	5.1		4.0							
					Bottom	8.1	0.4	104	26.7	26.7	7.9	7.9	27.2	27.2	73.4	73.5	5.1	5.1	4.1	2	2	2			2	2
						8.1	0.4	98	26.7		7.9	7.9	27.2	27.2	73.5	73.5	5.1		4.1							
IM11	Rainy	Rough	09:12	8.4	Surface	1.0	0.6	90	27.1	27.1	7.9	7.9	25.5	25.5	73.5	73.4	5.1	5.1	3.6	3.9	3	3	821498	810527		
						1.0	0.6	93	27.1		7.9	7.9	25.5	25.5	73.3	73.3	5.1		3.6							
					Middle	4.2	0.6	87	27.0	27.0	7.9	7.9	25.7	25.7	71.9	71.9	5.0	5.0	3.8	3	3	3			3	
						4.2	0.7	89	27.0		7.9	7.9	25.7	25.7	71.8	71.8	5.0		3.8							
					Bottom	7.4	0.6	77	26.8	26.8	7.9	7.9	26.6	26.6	70.3	70.4	4.8	4.8	4.4	2	2	2			2	2
						7.4	0.6	69	26.8		7.9	7.9	26.7	26.6	70.4	70.4	4.8		4.5							
IM12	Rainy	Rough	09:19	8.9	Surface	1.0	0.6	89	27.1	27.1	7.9	7.9	25.5	25.5	75.1	75.1	5.2	5.2	3.3	3.5	2	2	821151	811499		
						1.0	0.6	92	27.1		7.9	7.9	25.5	25.5	75.1	75.1	5.2		3.3							
					Middle	4.5	0.7	114	27.1	27.1	7.9	7.9	25.5	25.5	74.2	74.2	5.1	5.1	3.4	2	2	2			2	
						4.5	0.6	111	27.1		7.9	7.9	25.5	25.5	74.1	74.1	5.1		3.4							
					Bottom	7.9	0.6	91	27.0	27.0	7.9	7.9	25.7	25.7	71.3	71.3	4.9	4.9	3.7	2	2	2			2	
						7.9	0.7	83	27.0		7.9	7.9	25.7	25.7	71.2	71.2	4.9		3.8							
SR1A	Rainy	Moderate	10:02	4.9	Surface	1.0	0.0	111	27.1	27.1	7.9	7.9	25.3	25.3	72.3	72.3	5.0	5.0	4.2	6.3	3	3	819975	812662		
						1.0	0.1	116	27.1		7.9	7.9	25.3	25.3	72.3	72.3	5.0		4.3							
					Middle	2.5	0.0	120	-	-	-	-	-	-	-	-	-	-	-	2	2	2			2	
						2.5	0.1	127	-		-	-	-	-	-	-	-		-							
					Bottom	3.9	0.0	105	26.8	26.8	7.9	7.9	27.0	27.0	62.7	62.8	4.3	4.3	8.4	2	2	2			2	
						3.9	0.0	97	26.8		7.9	7.9	27.0	27.0	62.8	62.8	4.3		8.4							
SR2	Rainy	Rough	10:21	5.8	Surface	1.0	0.7	51	26.9	26.9	8.0	8.0	25.3	25.3	75.5	75.5	5.2	5.2	4.5	5.5	3	3	821454	814170		
						1.0	0.7	52	26.9		8.0	8.0	25.3	25.3	75.5	75.5	5.2		4.5							
					Middle	-	0.6	35	-	-	-	-	-	-	-	-	-	-	-	2	2	2			2	
						-	0.7	42	-		-	-	-	-	-	-	-		-							
					Bottom	4.8	0.6	36	26.6	26.6	7.9	7.9	27.5	27.5	62.2	62.3	4.3	4.3	6.5	2	2	2			2	
						4.8	0.7	30	26.6		7.9	7.9	27.5	27.5	62.3	62.3	4.3		6.6							
SR3	Rainy	Rough	09:25	8.6	Surface	1.0	0.5	151	26.7	26.7	7.9	7.9	23.0	23.0	74.5	74.4	5.3	4.8	1.0	3.2	3	3	822151	807582		
						1.0	0.5	151	26.6		7.9	7.9	23.0	23.0	74.2	74.2	5.2		1.1							
					Middle	4.3	0.5	138	26.1	26.1	7.9	7.9	25.9	26.0	62.4	62.5	4.4	4.4	4.0	3	3	3			3	
						4.3	0.5	143	26.1		7.9	7.9	26.1	26.0	62.6	62.6	4.4		4.3							
					Bottom	7.6	0.5	140	26.1	26.2	7.9	7.9	26.6	26.6	64.0	64.1	4.5	4.5	4.6	2	2	2			2	
						7.6	0.4	136	26.2		7.9	7.9	26.6	26.6	64.2	64.2	4.5		4.2							
SR4A	Rainy	Moderate	10:41	8.4	Surface	1.0	0.0	88	26.2	26.2	7.9	7.9	25.2	25.3	68.2	68.1	4.8	4.5	3.7	5.4	3	3	817200	807820		
						1.0	0.0	81	26.2		7.9	7.9	25.3	25.3	68.0	68.0	4.8		3.6							
					Middle	4.2	0.0	91	26.0	26.0	7.9	7.9	26.4	26.4	60.6	60.6	4.2	4.2	5.6	3	3	3			3	
						4.2	0.0	96	26.0		7.9	7.9	26.4	26.4	60.5	60.5	4.2		5.8							
					Bottom	7.4	0.0	99	25.9	25.9	7.9	7.9	26.5	26.5	61.2	61.4	4.3	4.3	6.9	2	2	2			2	
						7.4	0.0	96	25.9		7.9	7.9	26.5	26.5	61.6	61.6	4.3		6.9							
SR8	Rainy	Rough	09:29	5.1	Surface	1.0	-	-	27.1	27.1	7.9	7.9	25.5	25.4	75.1	75.1	5.2	5.2	2.8	3.1	3	3	820404	811615		
						1.0	-	-	27.1		7.9	7.9	25.4	25.4	75.1	75.1	5.2		2.8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2			2	
						-	-	-	-		-	-	-	-	-	-	-		-							
					Bottom	4.1	-	-	27.1	27.1	7.9	7.9	25.5	25.5	74.1	74.0	5.1	5.1	3.4	2	2	2			2	
						4.1	-	-	27.1		7.9	7.9	25.5	25.5	73.9	73.9	5.1		3.4							

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 09 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	02:18	8.4	Surface	1.0	0.2	49	26.0	26.0	8.0	8.0	24.6	24.6	74.6	74.4	5.2	5.1	2.0	6.9	<2	2	815615	804225
						1.0	0.2	47	25.9		8.0	8.0	24.6	24.6	74.2	74.4	5.2		2.1					
					Middle	4.2	0.1	44	25.6	25.6	8.0	8.0	27.2	27.2	71.2	70.9	5.0	4.3	7.1	4.3	2			
						4.2	0.1	38	25.5		8.0	8.0	27.2	27.2	70.5	70.9	4.9		7.5					
					Bottom	7.4	0.1	63	25.3	25.3	8.0	8.0	28.3	28.3	61.9	62.1	4.3	4.3	11.3	4.3	2			
						7.4	0.1	67	25.3		8.0	8.0	28.3	28.3	62.2	62.1	4.3		11.5		3			
C2	Rainy	Moderate	03:39	11.2	Surface	1.0	0.3	352	25.8	25.8	8.0	8.0	18.3	18.3	79.4	79.4	5.8	5.3	4.2	6.0	2	3	825670	806928
						1.0	0.3	346	25.8		8.0	8.0	18.3	18.3	79.4	79.4	5.8		4.2					
					Middle	5.6	0.3	4	25.7	25.7	8.0	8.0	22.6	22.6	65.8	65.8	4.7	4.3	5.6	4.3	2			
						5.6	0.3	8	25.7		8.0	8.0	22.6	22.6	65.8	65.8	4.7		5.6					
					Bottom	10.2	0.3	326	25.6	25.6	8.0	8.0	26.5	26.5	61.8	61.8	4.3	4.3	8.2	4.3	3			
						10.2	0.3	332	25.6		8.0	8.0	26.5	26.5	61.8	61.8	4.3		8.2		3			
C3	Rainy	Rough	01:59	11.6	Surface	1.0	0.2	254	26.3	26.3	8.0	8.0	27.3	27.2	82.3	82.3	5.7	5.6	2.9	3.2	3	3	822115	817800
						1.0	0.3	261	26.3		8.0	8.0	27.2	27.2	82.3	82.3	5.7		2.9					
					Middle	5.8	0.2	279	25.6	25.6	8.0	8.0	29.6	29.7	78.0	78.0	5.4	4.6	3.1	4.6	3			
						5.8	0.2	273	25.6		8.0	8.0	29.8	29.7	77.9	78.0	5.4		3.1					
					Bottom	10.6	0.2	270	24.9	24.9	8.0	8.0	31.6	31.6	66.9	66.9	4.6	4.6	3.6	4.6	4			
						10.6	0.2	267	24.9		8.0	8.0	31.6	31.6	66.9	66.9	4.6		3.6		3			
IM1	Rainy	Moderate	02:33	6.7	Surface	1.0	0.0	61	25.8	25.8	8.0	8.0	25.3	25.3	69.8	69.6	4.9	4.7	4.4	8.5	3	3	818335	806467
						1.0	0.0	62	25.7		8.0	8.0	25.3	25.3	69.4	69.6	4.9		4.2					
					Middle	3.4	0.1	40	25.5	25.5	8.0	8.0	27.3	27.3	63.2	63.3	4.4	4.6	9.8	4.6	3			
						3.4	0.1	33	25.5		8.0	8.0	27.3	27.3	63.4	63.3	4.4		10.0					
					Bottom	5.7	0.1	59	25.5	25.5	8.0	8.0	27.3	27.3	64.9	65.2	4.5	4.6	11.3	4.6	2			
						5.7	0.1	60	25.5		8.0	8.0	27.3	27.3	65.4	65.2	4.6		11.2		2			
IM2	Rainy	Moderate	02:38	6.8	Surface	1.0	0.0	2	25.9	25.9	7.9	7.9	25.8	25.8	69.8	69.8	4.9	4.7	1.9	5.6	2	3	819178	806223
						1.0	0.0	4	25.9		7.9	7.9	25.8	25.8	69.8	69.8	4.9		2.1					
					Middle	3.4	0.0	8	25.6	25.6	7.9	7.9	27.1	27.1	65.4	65.4	4.5	4.5	5.4	4.5	2			
						3.4	0.0	7	25.6		7.9	7.9	27.1	27.1	65.4	65.4	4.5		5.7					
					Bottom	5.8	0.1	359	25.6	25.6	7.9	7.9	27.3	27.3	63.5	63.7	4.4	4.5	9.2	4.5	4			
						5.8	0.1	5	25.6		7.9	7.9	27.3	27.3	63.9	63.7	4.5		9.4		3			
IM7	Rainy	Moderate	02:57	8.5	Surface	1.0	0.1	307	26.2	26.2	7.9	7.9	23.3	23.3	71.3	71.3	5.0	4.6	1.3	3.4	2	3	821338	806850
						1.0	0.1	305	26.2		7.9	7.9	23.3	23.3	71.3	71.3	5.0		1.3					
					Middle	4.3	0.1	319	25.6	25.6	7.9	7.9	26.8	26.8	58.0	58.1	4.1	4.2	3.4	4.2	3			
						4.3	0.1	322	25.6		7.9	7.9	26.8	26.8	58.2	58.1	4.1		3.6					
					Bottom	7.5	0.1	304	25.5	25.5	7.9	7.9	27.1	27.1	60.1	60.2	4.2	4.2	5.4	4.2	3			
						7.5	0.1	307	25.5		7.9	7.9	27.1	27.1	60.3	60.2	4.2		5.5		3			

DA: Depth-Averaged

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

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

Water Quality Monitoring Results on 09 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Rough	03:36	7.9	Surface	1.0	0.3	289	26.6	26.6	8.0	8.0	26.2	26.2	77.7	77.7	5.4	5.3	3.8	4.9	2	3	822228	809854
						1.0	0.3	292	26.6		8.0	8.0	26.2	26.2	77.6	77.7	5.4		3.8					
					Middle	4.0	0.3	307	26.5	26.5	8.0	8.0	26.6	26.6	74.9	74.8	5.2	5.0	4.5	2				
						4.0	0.2	311	26.5		8.0	8.0	26.6	26.6	74.6	74.8	5.1		4.5					
					Bottom	6.9	0.3	292	26.3	26.3	8.0	8.0	27.9	27.9	72.1	72.2	5.0	5.0	6.3	4				
						6.9	0.3	285	26.3		8.0	8.0	27.9	27.9	72.2	72.2	5.0		6.4					
IM11	Rainy	Rough	03:22	7.4	Surface	1.0	0.3	266	25.3	25.5	8.0	8.0	26.4	26.4	76.9	76.9	5.3	5.2	4.2	5.5	4	3	821488	810535
						1.0	0.3	262	25.6		8.0	8.0	26.4	26.4	76.9	76.9	5.3		4.2					
					Middle	3.7	0.3	292	25.5	25.4	8.0	8.0	27.3	27.3	72.0	72.0	5.0	5.0	4.6	3				
						3.7	0.3	292	25.3		8.0	8.0	27.3	27.3	72.0	72.0	5.0		4.6					
					Bottom	6.4	0.4	255	25.3	25.1	8.0	8.0	29.1	29.1	69.7	69.7	4.8	4.8	7.7	2				
						6.4	0.4	251	24.9		8.0	8.0	29.1	29.1	69.7	69.7	4.8		7.7					
IM12	Rainy	Rough	03:13	7.8	Surface	1.0	0.3	291	25.2	25.5	8.0	8.0	26.5	26.5	77.3	77.3	5.3	5.3	4.3	6.8	3	3	821179	811509
						1.0	0.3	285	25.8		8.0	8.0	26.5	26.5	77.2	77.3	5.3		4.3					
					Middle	3.9	0.3	268	25.8	25.7	8.0	8.0	26.8	26.8	76.2	76.2	5.3	5.3	7.5	2				
						3.9	0.4	260	25.6		8.0	8.0	26.8	26.8	76.1	76.2	5.3		7.5					
					Bottom	6.8	0.3	278	25.5	25.4	8.0	8.0	29.1	29.2	71.3	71.3	4.9	4.9	8.4	2				
						6.8	0.3	279	25.2		8.0	8.0	29.2	29.2	71.3	71.3	4.9		8.5					
SR1A	Rainy	Moderate	02:35	4.4	Surface	1.0	0.0	183	26.7	26.7	7.9	7.9	26.3	26.3	68.5	68.5	4.7	4.7	3.0	3.2	3	2	819974	812657
						1.0	0.1	188	26.7		7.9	7.9	26.3	26.3	68.5	68.5	4.7		3.1					
					Middle	2.2	0.0	193	-	-	-	-	-	-	-	-	-	-	-	-				
						2.2	0.0	187	-		-	-	-	-	-	-	-		-					
					Bottom	3.4	0.1	164	26.4	26.4	8.0	8.0	27.3	27.4	67.0	67.0	4.6	4.6	3.3	2				
						3.4	0.1	167	26.4		8.0	8.0	27.4	27.4	67.0	67.0	4.6		3.3					
SR2	Rainy	Rough	02:18	4.6	Surface	1.0	0.1	317	26.3	26.3	8.0	8.0	27.2	27.2	83.5	83.6	5.8	5.8	3.0	3.1	2	2	821469	814155
						1.0	0.1	313	26.3		8.0	8.0	27.2	27.2	83.6	83.6	5.8		3.0					
					Middle	-	0.1	337	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.1	342	-		-	-	-	-	-	-	-		-					
					Bottom	3.6	0.1	340	25.9	25.9	8.0	8.0	28.6	28.6	83.4	83.4	5.7	5.7	3.2	2				
						3.6	0.0	333	25.9		8.0	8.0	28.6	28.6	83.3	83.4	5.7		3.2					
SR3	Rainy	Moderate	03:04	9.2	Surface	1.0	0.1	334	26.4	26.4	7.9	7.9	23.0	23.0	76.1	76.0	5.4	4.9	0.7	3.3	2	2	822139	807550
						1.0	0.2	341	26.4		7.9	7.9	23.0	23.0	75.9	76.0	5.3		0.7					
					Middle	4.6	0.1	339	25.8	25.8	7.9	7.9	26.3	26.3	64.1	64.2	4.5	4.5	4.6	2				
						4.6	0.2	339	25.8		7.9	7.9	26.3	26.3	64.2	64.2	4.5		4.6					
					Bottom	8.2	0.2	342	25.8	25.8	7.9	7.9	26.5	26.5	65.4	65.6	4.6	4.6	4.7	2				
						8.2	0.2	339	25.8		7.9	7.9	26.5	26.5	65.7	65.6	4.6		4.7					
SR4A	Rainy	Moderate	02:02	8.6	Surface	1.0	0.0	284	25.9	25.9	7.9	7.9	25.1	25.2	69.7	69.6	4.9	4.5	2.9	5.0	2	2	817200	807797
						1.0	0.1	283	25.8		7.9	7.9	25.2	25.2	69.5	69.6	4.9		3.1					
					Middle	4.3	0.1	283	25.7	25.7	7.8	7.8	26.3	26.3	58.8	58.9	4.1	4.1	5.9	2				
						4.3	0.1	285	25.7		7.8	7.8	26.3	26.3	58.9	58.9	4.1		6.1					
					Bottom	7.6	0.0	251	25.7	25.7	7.8	7.8	26.4	26.3	60.8	60.9	4.3	4.3	6.0	2				
						7.6	0.0	256	25.7		7.8	7.8	26.3	26.3	61.0	60.9	4.3		5.8					
SR8	Rainy	Rough	03:07	4.5	Surface	1.0	-	-	25.1	25.5	8.0	8.0	26.8	26.8	80.1	80.2	5.5	5.5	3.9	4.3	3	3	820370	811608
						1.0	-	-	25.8		8.0	8.0	26.8	26.8	80.2	80.2	5.5		3.9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.5	-	-	25.8	25.7	8.0	8.0	27.8	27.8	72.8	72.8	5.0	5.0	4.6	4				
						3.5	-	-	25.5		8.0	8.0	27.8	27.8	72.8	72.8	5.0		4.6					

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	11:48	8.4	Surface	1.0	0.6	215	26.8	26.8	8.1	8.1	27.1	27.1	92.9	92.8	6.4	6.1	6.7	11.8	7	6	815618	804248
						1.0	0.6	220	26.8		8.1	8.1	27.1	27.1	92.6	92.8	6.4		7.1					
					Middle	4.2	0.6	225	26.9	26.9	8.1	8.1	28.9	28.9	84.6	84.7	5.8	13.0	7					
						4.2	0.6	230	26.9		8.1	8.1	28.9	28.9	84.8	84.7	5.8	12.5	6					
					Bottom	7.4	0.6	202	26.9	26.9	8.1	8.1	28.9	28.9	85.2	85.3	5.8	15.5	6					
						7.4	0.6	201	26.9		8.1	8.1	28.9	28.9	85.3	85.3	5.8	15.8	5					
C2	Rainy	Moderate	10:42	11.0	Surface	1.0	0.4	173	26.8	26.8	7.9	7.9	24.4	24.4	84.9	84.8	5.9	5.6	3.4	3.2	5	4	825705	806958
						1.0	0.5	176	26.8		7.9	7.9	24.4	24.4	84.7	84.8	5.9		3.3					
					Middle	5.5	0.5	160	26.6	26.6	7.9	7.9	26.7	26.8	74.9	74.9	5.2	2.2	4					
						5.5	0.5	165	26.5		7.9	7.9	26.9	26.8	74.8	74.9	5.2	2.3	3					
					Bottom	10.0	0.5	145	26.3	26.3	7.9	7.9	28.1	28.0	71.0	71.1	4.9	4.2	3					
						10.0	0.5	143	26.3		7.9	7.9	28.0	28.0	71.2	71.1	4.9	4.1	4					
C3	Rainy	Moderate	11:49	9.0	Surface	1.0	0.5	67	26.0	26.0	7.9	7.9	25.0	25.1	81.2	81.2	5.7	5.8	2.8	3.4	6	5	822104	817816
						1.0	0.5	71	26.0		7.9	7.9	25.1	25.1	81.2	81.2	5.7		2.7					
					Middle	4.5	0.5	84	26.0	26.0	7.9	7.9	25.3	25.3	81.8	82.0	5.8	3.1	5					
						4.5	0.5	85	26.0		7.9	7.9	25.4	25.3	82.1	82.0	5.8	3.2	5					
					Bottom	8.0	0.5	65	26.0	26.0	7.9	7.9	25.4	25.4	87.9	88.5	6.2	4.3	4					
						8.0	0.5	57	26.0		7.9	7.9	25.3	25.4	89.1	88.5	6.3	4.3	4					
IM1	Rainy	Moderate	11:31	7.3	Surface	1.0	0.3	176	26.5	26.5	8.1	8.1	26.8	26.8	89.4	89.4	6.2	6.0	2.0	3.7	6	7	818362	806473
						1.0	0.4	177	26.5		8.1	8.1	26.8	26.8	89.3	89.4	6.2		2.1					
					Middle	3.7	0.3	200	26.7	26.7	8.0	8.0	28.0	28.0	83.4	83.6	5.7	4.6	6					
						3.7	0.3	197	26.7		8.0	8.0	28.0	28.0	83.8	83.6	5.7	4.5	7					
					Bottom	6.3	0.3	191	26.7	26.7	8.0	8.0	27.7	27.6	84.5	84.7	5.8	4.5	8					
						6.3	0.4	191	26.7		8.0	8.0	27.6	27.6	84.8	84.7	5.8	4.3	7					
IM2	Rainy	Moderate	11:24	7.1	Surface	1.0	0.4	194	26.6	26.6	8.0	8.0	27.3	27.3	87.7	87.1	6.0	5.8	2.9	4.2	7	6	819169	806258
						1.0	0.4	198	26.6		8.0	8.0	27.4	27.3	86.5	87.1	6.0		3.1					
					Middle	3.6	0.4	176	26.7	26.7	8.0	8.0	27.8	27.8	81.9	81.9	5.6	3.6	6					
						3.6	0.4	177	26.7		8.0	8.0	27.9	27.9	81.9	81.9	5.6	3.9	5					
					Bottom	6.1	0.4	181	26.7	26.7	8.1	8.1	28.2	28.2	82.9	83.0	5.7	5.9	5					
						6.1	0.4	176	26.7		8.1	8.1	28.2	28.2	83.1	83.0	5.7	6.0	5					
IM7	Rainy	Moderate	11:05	8.0	Surface	1.0	0.3	155	26.8	26.8	8.0	8.0	24.7	24.7	83.2	83.1	5.8	5.8	2.2	3.4	6	5	821334	806835
						1.0	0.3	156	26.8		8.0	8.0	24.7	24.7	83.0	83.1	5.8		2.4					
					Middle	4.0	0.3	136	26.7	26.7	8.0	8.0	26.5	26.5	82.2	82.2	5.7	3.6	5					
						4.0	0.4	137	26.7		8.0	8.0	26.5	26.5	82.1	82.2	5.7	3.5	4					
					Bottom	7.0	0.3	139	26.7	26.7	8.0	8.0	26.6	26.6	81.7	81.7	5.6	4.4	4					
						7.0	0.2	140	26.7		8.0	8.0	26.6	26.6	81.7	81.7	5.6	4.4	5					

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Moderate	10:42	9.0	Surface	1.0	0.5	95	26.4	26.4	7.9	7.9	23.5	23.6	86.4	86.7	6.1	6.2	1.2	2.2	<2	2	822229	809845
						1.0	0.6	93	26.4		7.9	7.9	23.6		86.9		6.1		1.2					
					Middle	4.5	0.6	93	26.3	26.3	7.9	7.9	23.7	23.7	87.4	87.5	6.2	6.4	2.6	<2				
						4.5	0.6	96	26.3		7.9	7.9	23.8		87.5		6.2		2.7	<2				
					Bottom	8.0	0.5	81	26.3	26.4	7.9	7.9	24.0	23.9	90.5	90.9	6.4	6.4	2.9	2				
						8.0	0.5	76	26.4		7.9	7.9	23.8		91.3		6.4		2.9	2				
IM11	Rainy	Moderate	10:47	7.4	Surface	1.0	0.6	104	26.4	26.4	7.9	7.9	23.3	23.3	87.7	87.8	6.2	6.3	1.1	1.7	4	4	821513	810535
						1.0	0.6	100	26.4		8.0	8.0	23.4		87.8		6.2		1.0		3			
					Middle	3.7	0.6	100	26.4	26.4	8.0	8.0	23.5	23.5	88.8	88.8	6.3	6.4	1.5	4				
						3.7	0.6	94	26.4		8.0	8.0	23.5		88.8		6.3		1.6	4				
					Bottom	6.4	0.7	75	26.4	26.4	8.0	8.0	23.6	23.5	90.1	90.5	6.4	6.4	2.5	5				
						6.4	0.7	78	26.4		8.0	8.0	23.4		90.8		6.4		2.4	4				
IM12	Rainy	Moderate	10:59	7.0	Surface	1.0	0.8	111	26.4	26.4	7.9	7.9	24.2	24.2	83.4	83.5	5.9	5.9	1.1	1.8	4	3	821149	811511
						1.0	0.8	107	26.4		7.9	7.9	24.2		83.5		5.9		1.0		3			
					Middle	3.5	0.8	108	26.4	26.4	7.9	8.0	24.2	24.2	83.8	84.0	5.9	6.3	1.4	4				
						3.5	0.8	107	26.4		8.0	8.0	24.2		84.2		5.9		1.5	3				
					Bottom	6.0	0.8	118	26.4	26.4	7.9	7.9	24.2	24.2	89.0	89.4	6.3	6.3	2.8	2				
						6.0	0.8	118	26.4		7.9	7.9	24.2		89.7		6.3		2.8	3				
SR1A	Rainy	Moderate	11:22	5.0	Surface	1.0	0.0	99	26.3	26.3	7.9	7.9	23.8	23.8	83.2	83.2	5.9	5.9	1.5	1.8	2	2	819982	812664
						1.0	0.0	105	26.3		7.9	7.9	23.8		83.2		5.9		1.6		2			
					Middle	2.5	0.0	99	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.5	0.1	95	-		-	-	-		-		-		-		-			
					Bottom	4.0	0.0	94	26.3	26.3	7.9	7.9	23.8	23.8	83.5	83.5	5.9	5.9	2.0	2				
						4.0	0.0	99	26.3		7.9	7.9	23.8		83.5		5.9		2.0	3				
SR2	Rainy	Moderate	11:37	5.2	Surface	1.0	0.7	49	26.2	26.2	7.9	7.9	23.9	23.9	87.2	87.4	6.2	6.2	1.6	2.0	4	4	821452	814165
						1.0	0.7	48	26.2		7.9	7.9	24.0		87.6		6.2		1.7		3			
					Middle	-	0.7	43	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.7	47	-		-	-	-		-		-		-		-			
					Bottom	4.2	0.7	47	26.2	26.2	7.9	7.9	24.6	24.6	91.8	92.8	6.5	6.6	2.4	4				
						4.2	0.7	42	26.2		7.9	7.9	24.5		93.7		6.6		2.5	4				
SR3	Rainy	Moderate	10:58	9.3	Surface	1.0	0.5	143	26.7	26.7	8.0	8.0	24.5	24.5	83.1	83.1	5.8	5.8	3.0	5.3	4	5	822163	807580
						1.0	0.5	147	26.7		8.0	8.0	24.5		83.1		5.8		3.2		4			
					Middle	4.7	0.4	167	26.6	26.6	8.0	8.0	26.8	26.8	84.6	84.8	5.8	6.0	5.8	4				
						4.7	0.4	162	26.6		8.0	8.0	26.8		85.0		5.9		5.9	5				
					Bottom	8.3	0.4	166	26.6	26.6	8.0	8.0	26.9	26.9	86.9	87.0	6.0	6.0	6.8	5				
						8.3	0.4	173	26.6		8.0	8.0	26.9		87.1		6.0		7.0	5				
SR4A	Rainy	Moderate	12:17	9.2	Surface	1.0	0.0	94	26.7	26.7	8.1	8.1	24.8	24.8	87.7	87.3	6.1	5.9	4.2	5.6	7	7	817165	807809
						1.0	0.0	92	26.7		8.1	8.1	24.8		86.9		6.1		4.5		6			
					Middle	4.6	-	98	26.8	26.8	8.1	8.1	28.3	28.3	83.7	83.8	5.7	5.8	5.7	7				
						4.6	0.0	100	26.8		8.1	8.1	28.4		83.8		5.7		5.8	6				
					Bottom	8.2	0.0	86	26.8	26.8	8.1	8.1	28.5	28.5	84.7	84.8	5.8	5.8	6.6	8				
						8.2	0.0	80	26.8		8.1	8.1	28.5		84.9		5.8		6.7	7				
SR8	Rainy	Moderate	11:12	4.6	Surface	1.0	-	-	26.4	26.4	7.9	7.9	24.2	24.2	83.1	83.2	5.8	5.9	1.4	1.6	3	4	820383	811610
						1.0	-	-	26.4		7.9	7.9	24.2		83.2		5.9		1.5		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-	-	-		-		-		-		-			
					Bottom	3.6	-	-	26.4	26.4	7.9	7.9	24.2	24.2	83.3	83.4	5.9	5.9	1.7	4				
						3.6	-	-	26.4		7.9	7.9	24.2		83.4		5.9		1.8	4				

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	05:27	8.4	Surface	1.0	0.3	37	27.0	27.0	8.1	8.1	28.6	28.6	89.0	88.9	6.1	6.0	6.4	7.2	4	4	815599	804243
						1.0	0.4	42	26.9		8.1		28.6		88.7		6.0		6.3		5			
					Middle	4.2	0.4	22	26.9	26.9	8.1	8.1	29.4	29.4	86.7	86.7	5.9	5.9	5.7	5.7	4			
						4.2	0.4	28	26.9		8.1		29.5		86.6		5.9		5.7		3			
					Bottom	7.4	0.3	38	26.9	26.9	8.1	8.1	29.9	29.9	81.4	81.4	5.5	5.5	9.5	9.5	4			
						7.4	0.3	33	26.9		8.1		29.9		81.3		5.5		9.5		3			
C2	Cloudy	Moderate	06:37	11.9	Surface	1.0	0.5	347	26.8	26.8	7.9	7.9	24.4	24.4	85.2	85.1	6.0	5.9	2.9	3.8	3	3	825688	806946
						1.0	0.5	352	26.7		7.9		24.4		85.0		5.9		2.8		3			
					Middle	6.0	0.5	356	26.4	26.4	7.9	7.9	27.4	27.5	75.1	74.8	5.2	5.1	3.5	3.9	3			
						6.0	0.5	359	26.4		7.9		27.6		74.5		5.1		3.9		3			
					Bottom	10.9	0.5	349	26.3	26.3	7.8	7.8	28.0	28.0	72.6	72.8	5.0	5.0	4.9	4.9	4			
						10.9	0.5	355	26.3		7.8		28.0		72.9		5.0		4.9		3			
C3	Rainy	Moderate	05:25	8.0	Surface	1.0	0.5	263	25.5	25.5	7.9	7.9	27.2	27.3	74.1	74.0	5.2	5.2	1.0	1.3	4	4	822105	817794
						1.0	0.4	265	25.5		7.9		27.3		73.9		5.2		1.0		3			
					Middle	4.0	0.5	249	25.4	25.4	7.9	7.9	27.3	27.3	73.7	73.7	5.2	5.2	1.1	1.1	4			
						4.0	0.4	250	25.4		7.9		27.4		73.7		5.2		1.1		4			
					Bottom	7.0	0.4	264	25.5	25.5	7.9	7.9	27.2	27.2	75.9	76.0	5.3	5.3	1.7	1.6	4			
						7.0	0.4	267	25.5		7.9		27.2		76.1		5.3		1.6		4			
IM1	Cloudy	Moderate	05:41	7.8	Surface	1.0	0.3	3	26.6	26.7	8.1	8.1	27.5	27.5	86.4	86.5	5.9	5.9	3.0	5.2	3	3	818359	806457
						1.0	0.3	9	26.7		8.1		27.5		86.5		5.9		3.0		3			
					Middle	3.9	0.3	-	26.8	26.8	8.1	8.1	28.1	28.1	85.5	85.4	5.8	5.8	3.4	3.4	2			
						3.9	0.3	355	26.8		8.1		28.2		85.3		5.8		3.4		3			
					Bottom	6.8	0.3	3	26.8	26.8	8.1	8.1	28.9	28.9	86.0	86.1	5.8	5.9	9.1	9.6	2			
						6.8	0.2	359	26.8		8.1		28.9		86.1		5.9		9.6		3			
IM2	Cloudy	Moderate	05:47	7.1	Surface	1.0	0.3	12	26.5	26.5	8.1	8.1	27.2	27.3	85.0	84.9	5.9	5.8	3.1	4.3	4	6	819203	806240
						1.0	0.3	5	26.5		8.1		27.3		84.8		5.8		3.3		4			
					Middle	3.6	0.3	27	26.6	26.7	8.1	8.1	27.9	27.9	83.0	83.0	5.7	5.7	4.6	4.5	5			
						3.6	0.2	19	26.7		8.1		28.0		82.9		5.7		4.5		6			
					Bottom	6.1	0.3	28	26.7	26.7	8.1	8.1	28.4	28.5	87.8	88.0	6.0	6.0	5.2	5.3	7			
						6.1	0.3	25	26.7		8.1		28.5		88.1		6.0		5.3		8			
IM7	Cloudy	Moderate	06:10	7.9	Surface	1.0	0.2	8	26.7	26.7	8.0	8.0	25.1	25.1	85.9	86.0	6.0	6.0	2.2	2.8	6	6	821370	806847
						1.0	0.3	14	26.7		8.0		25.1		86.0		6.0		2.3		6			
					Middle	4.0	0.3	340	26.6	26.6	8.0	8.0	27.0	27.0	87.0	87.1	6.0	6.0	3.0	3.0	6			
						4.0	0.3	334	26.6		8.0		27.0		87.2		6.0		3.0		5			
					Bottom	6.9	0.2	352	26.4	26.4	8.0	8.0	27.2	27.2	88.4	88.6	6.1	6.2	3.2	3.1	5			
						6.9	0.2	347	26.3		8.0		27.3		88.8		6.2		3.1		5			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Moderate	06:58	8.6	Surface	1.0	0.4	299	26.2	26.2	7.9	7.9	24.5	24.5	78.5	78.6	5.5	5.6	4.1	5.2	3	3	822259	809823
						1.0	0.4	297	26.2		7.9	7.9	24.5	24.5	78.7	78.6	5.5		4.0		2			
					Middle	4.3	0.4	293	26.3	26.3	7.9	7.9	24.5	24.5	79.3	79.3	5.6	5.6	5.2	5.2	3			
						4.3	0.4	285	26.3		7.9	7.9	24.5	24.5	79.3	79.3	5.6		5.1		3			
					Bottom	7.6	0.4	286	26.3	26.3	7.9	7.9	24.4	24.4	79.3	79.3	5.6	5.6	6.4	5.6	3			
						7.6	0.4	290	26.3		7.9	7.9	24.4	24.4	79.3	79.3	5.6		6.5		4			
IM11	Rainy	Moderate	06:43	8.2	Surface	1.0	0.4	290	26.2	26.2	7.9	7.9	24.4	24.4	82.6	82.8	5.8	6.0	3.0	4.1	4	5	821497	810558
						1.0	0.4	293	26.1		7.9	7.9	24.4	24.4	82.9	82.8	5.9		3.0		5			
					Middle	4.1	0.5	295	26.0	26.0	7.9	7.9	24.6	24.6	84.7	85.1	6.0	6.3	4.2	6.3	5			
						4.1	0.5	300	25.9		7.9	7.9	24.7	24.6	85.5	85.1	6.1		4.1		5			
					Bottom	7.2	0.5	302	25.8	25.8	7.9	7.9	24.8	24.8	87.3	87.8	6.2	6.3	5.0	6.3	5			
						7.2	0.5	298	25.8		7.9	7.9	24.8	24.8	88.3	87.8	6.3		5.0		6			
IM12	Rainy	Moderate	06:20	7.8	Surface	1.0	0.5	280	26.1	26.1	7.9	7.9	24.5	24.5	84.0	84.1	5.9	6.0	1.2	1.5	6	6	821139	811519
						1.0	0.4	286	26.1		7.9	7.9	24.5	24.5	84.1	84.1	5.9		1.1		6			
					Middle	3.9	0.5	269	26.1	26.1	7.9	7.9	24.8	24.8	84.6	84.7	6.0	6.2	1.2	6.2	6			
						3.9	0.5	269	26.1		7.9	7.9	24.8	24.8	84.7	84.7	6.0		1.2		7			
					Bottom	6.8	0.5	259	26.0	26.0	7.9	7.9	25.2	25.1	87.2	87.5	6.1	6.2	2.3	6.2	7			
						6.8	0.5	263	26.0		7.9	7.9	25.1	25.1	87.7	87.5	6.2		2.2		6			
SR1A	Rainy	Moderate	06:08	5.2	Surface	1.0	-	206	26.0	26.0	7.9	7.9	24.7	24.8	77.5	77.5	5.5	5.5	1.4	1.6	5	5	819982	812660
						1.0	-	211	26.0		7.9	7.9	24.8	24.8	77.4	77.4	5.5		1.5		4			
					Middle	2.6	0.1	195	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.6	0.0	193	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.2	0.0	192	26.0	26.1	7.9	7.9	24.7	24.7	77.4	77.4	5.5	5.5	1.7	5.5	6			
						4.2	0.1	198	26.1		7.9	7.9	24.6	24.7	77.4	77.4	5.5		1.7		4			
SR2	Rainy	Moderate	05:47	5.0	Surface	1.0	0.2	236	26.0	26.0	7.9	7.9	25.1	25.1	74.6	74.5	5.3	5.3	1.4	1.6	4	4	821441	814175
						1.0	0.1	230	26.0		7.9	7.9	25.2	25.1	74.4	74.4	5.2		1.5		4			
					Middle	-	0.2	236	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.2	234	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.0	0.2	240	25.9	25.9	7.9	7.9	25.3	25.3	73.9	73.9	5.2	5.2	1.8	5.2	5			
						4.0	0.2	235	25.9		7.9	7.9	25.3	25.3	73.8	73.9	5.2		1.8		4			
SR3	Cloudy	Moderate	06:16	9.5	Surface	1.0	0.4	351	26.8	26.8	8.0	8.0	24.1	24.1	82.3	82.3	5.8	5.8	1.8	4.5	5	4	822167	807568
						1.0	0.4	348	26.8		8.0	8.0	24.1	24.1	82.3	82.3	5.8		1.9		5			
					Middle	4.8	0.4	342	26.6	26.6	8.0	8.0	26.6	26.6	83.3	83.4	5.8	5.8	3.2	5.8	3			
						4.8	0.4	345	26.6		8.0	8.0	26.6	26.6	83.4	83.4	5.8		3.2		4			
					Bottom	8.5	0.4	327	26.6	26.6	8.0	8.0	26.9	26.9	83.7	83.8	5.8	5.8	8.0	5.8	3			
						8.5	0.3	331	26.6		8.0	8.0	26.9	26.9	83.8	83.8	5.8		8.6		3			
SR4A	Cloudy	Moderate	05:12	8.8	Surface	1.0	0.0	179	26.8	26.8	8.0	8.0	28.1	28.1	83.6	83.6	5.7	5.7	6.9	9.2	3	4	817174	807832
						1.0	0.1	174	26.8		8.0	8.0	28.1	28.1	83.5	83.6	5.7		7.0		4			
					Middle	4.4	0.0	186	26.8	26.8	8.0	8.0	28.4	28.4	81.7	81.7	5.6	5.5	9.4	9.2	4			
						4.4	0.0	185	26.8		8.0	8.0	28.4	28.4	81.7	81.7	5.6		9.6		4			
					Bottom	7.8	0.0	177	26.8	26.8	8.0	8.0	28.5	28.5	81.3	81.3	5.5	5.5	11.1	5.5	4			
						7.8	0.1	182	26.8		8.0	8.0	28.5	28.5	81.3	81.3	5.5		11.2		5			
SR8	Rainy	Moderate	06:16	5.4	Surface	1.0	-	-	26.4	26.4	8.0	8.0	24.5	24.5	86.9	87.1	6.1	6.1	1.3	1.4	6	6	820406	811641
						1.0	-	-	26.4		8.0	8.0	24.5	24.5	87.2	87.1	6.1		1.4		6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.4	-	-	26.3	26.3	8.0	8.0	25.1	25.1	87.9	88.9	6.2	6.3	1.4	6.3	5			
						4.4	-	-	26.3		8.0	8.0	25.1	25.1	89.9	88.9	6.3		1.5		6			

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Sunny	Moderate	14:05	8.1	Surface	1.0	0.7	222	<u>27.2</u>	27.2	8.0	8.0	<u>23.8</u>	23.8	<u>81.5</u>	81.5	5.7	5.6	2.7	6.2	3	3	815628	804236		
						1.0	0.7	222	27.2		8.0		23.8		81.5		5.7		2.8		4					
					Middle	4.1	0.7	197	<u>27.3</u>	8.1	8.1	<u>24.3</u>	24.3	<u>80.1</u>	80.2	5.5	5.4	6.3	5.4	9.5	5.4				3	3
						4.1	0.7	200	27.3	8.1	8.1	24.3		80.2		5.5		6.3		4						
					Bottom	7.1	0.7	215	<u>26.7</u>	8.1	8.1	<u>26.3</u>	26.3	<u>77.8</u>	77.8	5.4	5.4	9.5	5.4	9.5	5.4				3	3
						7.1	0.6	210	26.7	8.1		26.3		77.8		5.4		9.5		3						
C2	Sunny	Moderate	12:20	9.6	Surface	1.0	0.4	183	<u>27.1</u>	27.1	7.9	7.9	<u>21.6</u>	21.6	<u>78.2</u>	78.2	5.5	5.4	3.2	4.4	6	5	825705	806952		
						1.0	0.4	186	27.1		7.9		21.6		78.2		5.5		3.2		5					
					Middle	4.8	0.4	182	<u>26.7</u>	7.9	7.9	<u>22.5</u>	22.5	<u>75.0</u>	75.0	5.3	5.1	4.0	5.1	6.1	5.1				5	5
						4.8	0.4	180	26.7	7.9		22.5		75.0		5.3		4.0		5						
					Bottom	8.6	0.4	169	<u>26.2</u>	8.0	8.0	<u>24.2</u>	24.2	<u>72.8</u>	72.8	5.1	5.1	6.1	5.1	6.1	5.1				4	4
						8.6	0.4	170	26.2	8.0		24.2		72.8		5.1		6.1		4						
C3	Fine	Moderate	13:24	10.9	Surface	1.0	0.4	84	<u>26.8</u>	26.8	8.0	8.0	<u>26.0</u>	26.1	<u>75.2</u>	75.2	5.2	5.0	2.7	7.8	4	3	822093	817819		
						1.0	0.5	90	26.8		8.0		26.1		75.1		5.2		2.8		3					
					Middle	5.5	0.5	70	<u>26.4</u>	8.0	8.0	<u>28.1</u>	28.1	<u>70.2</u>	70.2	4.8	5.1	9.7	5.1	9.9	5.1				4	4
						5.5	0.4	75	26.4	8.0		28.1		70.2		4.8		9.9		3						
					Bottom	9.9	0.5	59	<u>26.4</u>	8.1	8.1	<u>28.4</u>	28.3	<u>73.6</u>	73.7	5.1	5.1	10.9	5.1	10.8	5.1				3	3
						9.9	0.4	64	26.4	8.1		28.3		73.8		5.1		10.8		3						
IM1	Sunny	Calm	13:33	8.5	Surface	1.0	0.3	195	<u>26.8</u>	26.8	8.1	8.1	<u>25.0</u>	25.0	<u>80.3</u>	80.3	5.6	5.6	3.7	4.8	3	3	818373	806440		
						1.0	0.4	193	26.8		8.1		25.0		80.3		5.6		3.8		3					
					Middle	4.3	0.4	177	<u>26.8</u>	8.1	8.1	<u>25.7</u>	25.7	<u>81.0</u>	81.1	5.6	5.5	4.2	5.5	4.3	5.5				4	4
						4.3	0.4	172	26.8	8.1		25.6		81.1		5.6		4.3		3						
					Bottom	7.5	0.4	187	<u>26.7</u>	8.1	8.1	<u>26.5</u>	26.5	<u>79.4</u>	79.5	5.5	5.5	6.4	5.5	6.5	5.5				2	4
						7.5	0.4	186	26.7	8.1		26.5		79.5		5.5		6.5		4						
IM2	Sunny	Calm	13:24	8.9	Surface	1.0	0.4	188	<u>26.8</u>	26.8	8.1	8.1	<u>24.2</u>	24.2	<u>80.2</u>	80.2	5.6	5.6	3.5	5.3	5	4	819175	806238		
						1.0	0.4	186	26.8		8.1		24.2		80.2		5.6		3.5		4					
					Middle	4.5	0.4	179	<u>26.9</u>	8.1	8.1	<u>24.8</u>	24.8	<u>80.2</u>	80.2	5.6	5.4	3.6	5.4	3.6	5.4				3	3
						4.5	0.4	183	26.9	8.1		24.8		80.2		5.6		3.6		4						
					Bottom	7.9	0.4	185	<u>26.7</u>	8.1	8.1	<u>26.7</u>	26.7	<u>78.5</u>	78.5	5.4	5.4	8.8	5.4	8.8	5.4				2	3
						7.9	0.4	178	26.7	8.1		26.7		78.5		5.4		8.8		3						
IM7	Cloudy	Moderate	12:55	8.6	Surface	1.0	0.3	158	<u>27.1</u>	27.1	8.0	8.0	<u>22.1</u>	22.1	<u>81.6</u>	81.6	5.7	5.6	2.1	3.7	4	4	821357	806839		
						1.0	0.2	154	27.1		8.0		22.1		81.6		5.7		2.1		5					
					Middle	4.3	0.3	164	<u>26.7</u>	8.0	8.0	<u>23.2</u>	23.2	<u>78.4</u>	78.4	5.5	5.6	3.8	5.6	3.8	5.6				4	4
						4.3	0.3	169	26.7	8.0		23.2		78.4		5.5		3.8		4						
					Bottom	7.6	0.3	157	<u>26.8</u>	8.1	8.1	<u>24.6</u>	24.6	<u>80.2</u>	80.2	5.6	5.6	5.2	5.6	5.2	5.6				3	3
						7.6	0.2	160	26.8	8.1		24.6		80.2		5.6		5.2		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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Fine	Moderate	12:20	8.5	Surface	1.0	0.5	108	27.4	27.4	8.0	8.0	22.7	22.8	22.8	79.0	78.9	5.5	5.4	3.6	9.6	6	5	822257	809850	
						1.0	0.6	104	27.4		8.0		22.8		78.7	5.5	3.8	5								
					Middle	4.3	0.6	89	27.1	27.1	8.0	8.0	25.2	25.2	76.9	76.9	5.3	5.3	11.8	5.5	4	5.5				4
						4.3	0.6	90	27.1		8.0		25.2		76.9		5.3		5							
					Bottom	7.5	0.5	81	27.1	27.1	8.0	8.0	25.2	25.2	78.9	79.1	5.5	5.5	13.4	5.5	4	5.5				4
						7.5	0.5	75	27.1		8.0		25.2		79.2		5.5		4							
IM11	Fine	Moderate	12:25	9.2	Surface	1.0	0.6	99	27.1	27.1	8.0	8.0	23.4	23.4	23.4	77.7	77.7	5.4	5.4	4.8	7.3	5	4	821492	810545	
						1.0	0.6	99	27.1		8.0		23.5		77.6	5.4	5									
					Middle	4.6	0.7	106	27.1	27.1	8.0	8.0	23.8	23.8	77.7	77.7	5.4	5.4	7.1	5.4	4	5.4				4
						4.6	0.6	107	27.1		8.0		23.8		77.7		5.4		4							
					Bottom	8.2	0.7	88	27.1	27.1	8.0	8.0	23.9	23.9	80.9	81.0	5.6	5.6	9.6	5.6	3	5.6				3
						8.2	0.6	91	27.1		8.0		23.9		81.1		5.6		2							
IM12	Fine	Moderate	12:30	9.0	Surface	1.0	0.7	97	27.3	27.3	8.0	8.0	23.0	23.0	23.0	78.5	78.5	5.5	5.5	4.7	5.3	5	4	821168	811540	
						1.0	0.7	103	27.3		8.0		23.1		78.4	5.5	4									
					Middle	4.5	0.7	101	27.1	27.1	8.0	8.0	23.9	24.0	77.8	77.9	5.4	5.4	5.7	5.4	4	5.4				4
						4.5	0.7	98	27.1		8.0		24.0		77.9		5.4		3							
					Bottom	8.0	0.7	79	27.1	27.1	8.0	8.0	24.1	24.1	78.8	78.9	5.5	5.5	5.3	5.5	2	5.5				2
						8.0	0.7	74	27.1		8.0		24.1		79.0		5.5		3							
SR1A	Fine	Moderate	12:55	5.9	Surface	1.0	0.0	63	27.2	27.2	8.0	8.0	23.8	23.8	23.8	79.8	79.8	5.6	5.6	2.7	2.9	3	4	819971	812657	
						1.0	0.1	67	27.2		8.0		23.8		79.7	5.5	3									
					Middle	3.0	0.0	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						3.0	0.0	69	-		-		-		-		-		-		-					-
					Bottom	4.9	0.0	74	27.0	27.0	8.0	8.0	24.5	24.5	79.9	80.0	5.6	5.6	3.1	5.6	4	5.6				4
						4.9	0.0	77	26.9		8.0		24.6		80.1		5.6		4							
SR2	Fine	Moderate	13:07	4.3	Surface	1.0	0.7	64	27.0	27.0	8.0	8.0	24.2	24.2	24.2	79.7	79.8	5.5	5.6	3.5	3.2	4	4	821462	814175	
						1.0	0.7	70	27.0		8.0		24.2		79.9	5.6	3									
					Middle	-	0.7	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						-	0.7	32	-		-		-		-		-		-		-					
					Bottom	3.3	0.7	45	27.0	27.1	8.0	8.0	24.3	24.2	81.8	82.0	5.7	5.7	2.8	5.7	5	5.7				5
						3.3	0.7	49	27.1		8.0		24.2		82.1		5.7		4							
SR3	Cloudy	Moderate	12:45	9.1	Surface	1.0	0.4	164	26.9	26.9	7.9	7.9	21.2	21.2	21.2	79.6	79.6	5.6	5.5	4.6	5.6	3	3	822168	807583	
						1.0	0.4	169	26.9		7.9		21.2		79.6	5.6	3									
					Middle	4.6	0.4	154	26.5	26.5	8.0	8.0	23.0	23.0	74.7	74.7	5.3	5.3	6.2	5.3	3	5.3				3
						4.6	0.4	157	26.5		8.0		23.0		74.7		5.3		4							
					Bottom	8.1	0.4	131	26.5	26.5	8.0	8.0	23.1	23.1	75.4	75.5	5.3	5.3	6.0	5.3	3	5.3				3
						8.1	0.4	131	26.5		8.0		23.1		75.6		5.3		4							
SR4A	Sunny	Calm	14:31	11.4	Surface	1.0	0.0	13	27.0	27.0	8.0	8.0	23.9	23.9	23.9	80.6	80.6	5.6	5.5	3.8	6.5	2	3	817168	807812	
						1.0	0.0	10	27.0		8.0		23.9		80.6	5.6	2									
					Middle	5.7	0.0	3	26.7	26.7	8.1	8.1	24.7	24.7	76.7	76.7	5.4	5.4	7.2	5.4	3	5.4				3
						5.7	0.0	8	26.7		8.1		24.7		76.7		5.4		2							
					Bottom	10.4	0.0	20	26.7	26.7	8.1	8.1	24.8	24.8	77.4	77.5	5.4	5.4	8.4	5.4	3	5.4				3
						10.4	0.0	14	26.7		8.1		24.8		77.5		5.4		3							
SR8	Fine	Moderate	12:34	4.8	Surface	1.0	-	-	27.1	27.1	8.0	8.0	23.9	23.9	23.9	78.9	79.0	5.5	5.5	2.8	2.9	6	5	820394	811610	
						1.0	-	-	27.1		8.0		23.9		79.0	5.5	5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	3.8	-	-	27.0	27.0	8.0	8.0	24.3	24.3	79.0	79.1	5.5	5.5	2.9	5.5	4	5.5				4
						3.8	-	-	27.0		8.0		24.3		79.2		5.5		4							

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	06:34	7.8	Surface	1.0	0.3	40	26.8	26.8	8.1	8.1	23.9	23.9	81.7	81.7	5.7	5.7	3.2	6.6	3	3	815611	804228
						1.0	0.3	45	26.8		8.1	8.1	23.9	23.9	81.7	81.7	5.7		3.2					
					Middle	3.9	0.3	34	26.7	26.7	8.2	8.2	26.7	26.7	81.5	81.5	5.6	5.6	3.1	2				
						3.9	0.3	37	26.7		8.2	8.2	26.7	26.7	81.4	81.4	5.6		3.1					
					Bottom	6.8	0.3	16	26.7	26.7	8.2	8.2	27.3	27.3	80.1	80.2	5.5	5.5	13.5	2				
						6.8	0.3	23	26.7		8.2	8.2	27.3	27.3	80.2	80.2	5.5		13.7					
C2	Fine	Moderate	07:58	8.2	Surface	1.0	0.6	348	26.9	26.9	7.9	7.9	22.0	21.9	77.3	77.3	5.5	5.4	3.5	5.1	4	3	825686	806960
						1.0	0.6	351	26.9		7.9	7.9	21.9	21.9	77.3	77.3	5.5		3.5					
					Middle	4.1	0.6	4	26.4	26.4	8.0	8.0	23.5	23.5	74.5	74.5	5.3	5.3	5.5	4				
						4.1	0.6	8	26.4		8.0	8.0	23.6	23.6	74.4	74.4	5.3		5.6					
					Bottom	7.2	0.5	18	26.2	26.2	8.0	8.0	24.3	24.3	74.5	74.6	5.3	5.3	6.3	3				
						7.2	0.5	19	26.2		8.0	8.0	24.3	24.3	74.6	74.6	5.3		6.3					
C3	Fine	Moderate	06:53	12.8	Surface	1.0	0.6	268	26.7	26.7	8.0	8.0	25.3	25.3	79.5	79.5	5.5	5.2	5.9	3.6	2	3	822100	817807
						1.0	0.5	274	26.7		8.0	8.0	25.3	25.3	79.5	79.5	5.5		5.9					
					Middle	6.4	0.6	265	26.4	26.4	8.0	8.0	29.1	29.1	70.8	70.8	4.8	4.8	1.9	2				
						6.4	0.6	272	26.4		8.0	8.0	29.1	29.1	70.8	70.8	4.8		2.0					
					Bottom	11.8	0.6	252	26.4	26.4	7.9	7.9	29.4	29.4	71.4	71.5	4.9	4.9	2.9	3				
						11.8	0.5	248	26.4		7.9	7.9	29.4	29.4	71.5	71.5	4.9		3.0					
IM1	Fine	Moderate	07:03	7.3	Surface	1.0	0.2	12	26.8	26.8	8.0	8.0	23.0	23.0	81.3	81.3	5.7	5.6	2.4	4.9	5	4	818329	806458
						1.0	0.2	19	26.8		8.0	8.0	23.0	23.0	81.2	81.3	5.7		2.4					
					Middle	3.7	0.3	32	26.7	26.7	8.1	8.1	24.5	24.5	78.9	78.9	5.5	5.5	4.6	3				
						3.7	0.2	31	26.7		8.1	8.1	24.5	24.5	78.9	78.9	5.5		4.6					
					Bottom	6.3	0.3	355	26.7	26.7	8.1	8.1	25.9	25.9	78.6	78.7	5.5	5.5	7.7	3				
						6.3	0.2	348	26.7		8.1	8.1	25.9	25.9	78.7	78.7	5.5		7.8					
IM2	Fine	Moderate	07:13	7.7	Surface	1.0	0.3	2	26.7	26.7	8.0	8.0	22.8	22.8	80.4	80.5	5.7	5.6	1.9	5.4	4	4	819169	806235
						1.0	0.3	356	26.7		8.0	8.0	22.8	22.8	80.5	80.5	5.7		1.8					
					Middle	3.9	0.3	356	26.7	26.7	8.1	8.1	25.0	25.0	79.5	79.5	5.5	5.5	4.4	3				
						3.9	0.4	349	26.7		8.1	8.1	25.0	25.0	79.5	79.5	5.5		4.5					
					Bottom	6.7	0.4	13	26.7	26.7	8.1	8.1	25.6	25.6	78.7	78.8	5.5	5.5	9.9	3				
						6.7	0.3	16	26.7		8.1	8.1	25.6	25.6	78.8	78.8	5.5		9.9					
IM7	Fine	Moderate	07:32	7.8	Surface	1.0	0.2	344	26.8	26.8	8.0	8.0	21.9	21.9	78.6	78.6	5.6	5.6	2.6	4.7	3	3	821338	806820
						1.0	0.2	349	26.8		8.0	8.0	21.9	21.9	78.6	78.6	5.6		2.6					
					Middle	3.9	0.2	358	26.7	26.7	8.0	8.0	24.0	24.0	78.3	78.3	5.5	5.5	4.4	3				
						3.9	0.2	5	26.7		8.0	8.0	24.0	24.0	78.3	78.3	5.5		4.3					
					Bottom	6.8	0.2	345	26.7	26.7	8.1	8.1	24.8	24.8	77.9	78.0	5.4	5.4	7.0	3				
						6.8	0.2	346	26.7		8.1	8.1	24.8	24.8	78.0	78.0	5.4		7.1					

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	08:32	7.9	Surface	1.0	0.5	305	27.2	27.2	8.0	8.0	22.4	22.4	79.3	79.1	5.6	5.3	4.6	9.9	2	3	822248	809836
						1.0	0.5	312	27.1		8.0	8.0	22.4	22.4	78.9	79.1	5.5		4.9					
					Middle	4.0	0.5	303	26.8	26.8	8.0	8.0	25.1	25.1	72.0	72.0	5.0	5.1	10.5	4				
						4.0	0.5	303	26.8		8.0	8.0	25.2	25.1	72.0	72.0	5.0		10.4	3				
					Bottom	6.9	0.4	315	26.7	26.7	8.0	8.0	25.3	25.3	72.7	72.8	5.1	5.1	14.3	4				
						6.9	0.4	314	26.7		8.0	8.0	25.3	25.3	72.8	72.8	5.1		14.7	4				
IM11	Fine	Moderate	08:22	8.4	Surface	1.0	0.5	280	27.2	27.2	8.0	8.0	22.5	22.5	77.8	77.8	5.4	5.4	2.4	7.1	4	3	821517	810524
						1.0	0.5	277	27.2		8.0	8.0	22.5	22.5	77.8	77.8	5.4		2.4					
					Middle	4.2	0.5	289	27.1	27.1	8.0	8.0	24.4	24.4	78.0	78.0	5.4	5.4	8.0	3				
						4.2	0.5	285	27.1		8.0	8.0	24.4	24.4	78.0	78.0	5.4		8.7	3				
					Bottom	7.4	0.4	294	27.1	27.1	8.0	8.0	24.5	24.5	79.0	79.2	5.5	5.5	10.8	2				
						7.4	0.4	290	27.1		8.0	8.0	24.5	24.5	79.3	79.2	5.5		10.3	3				
IM12	Fine	Moderate	08:14	9.9	Surface	1.0	0.5	292	27.4	27.4	8.0	8.0	22.8	22.8	78.5	78.5	5.5	5.4	3.4	4.6	3	3	821169	811512
						1.0	0.5	288	27.4		8.0	8.0	22.9	22.8	78.4	78.5	5.5		3.9					
					Middle	5.0	0.5	270	26.9	26.9	8.0	8.0	24.1	24.1	76.6	76.6	5.3	5.3	2.5	3				
						5.0	0.5	267	26.9		8.0	8.0	24.2	24.1	76.5	76.6	5.3		2.7	4				
					Bottom	8.9	0.5	273	26.7	26.7	8.0	8.0	25.1	25.1	76.7	76.8	5.3	5.4	7.4	4				
						8.9	0.5	266	26.7		8.0	8.0	25.1	25.1	76.9	76.8	5.4		7.6	3				
SR1A	Fine	Moderate	07:30	5.0	Surface	1.0	0.1	193	26.9	26.9	8.0	8.0	23.8	23.8	79.1	79.0	5.5	5.5	2.2	2.4	3	2	819972	812661
						1.0	0.1	189	26.8		8.0	8.0	23.9	23.8	78.9	79.0	5.5		2.3					
					Middle	2.5	0.1	186	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.5	-	185	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	0.0	218	26.8	26.8	8.0	8.0	24.3	24.3	78.6	78.7	5.5	5.5	2.6	3				
						4.0	0.1	218	26.8		8.0	8.0	24.3	24.3	78.8	78.7	5.5		2.6	<2				
SR2	Fine	Moderate	07:16	4.7	Surface	1.0	0.2	255	26.8	26.8	8.0	8.0	24.9	24.9	78.2	78.2	5.4	5.4	2.5	2.5	2	3	821464	814161
						1.0	0.2	251	26.8		8.0	8.0	25.0	24.9	78.1	78.2	5.4		2.6					
					Middle	-	0.1	252	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.2	254	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.7	0.1	238	26.7	26.8	8.0	8.0	25.1	25.1	78.0	78.3	5.4	5.5	2.5	3				
						3.7	0.2	234	26.8		8.0	8.0	25.0	25.1	78.5	78.3	5.5		2.4	3				
SR3	Fine	Moderate	07:44	7.9	Surface	1.0	0.4	344	26.7	26.7	7.9	7.9	21.7	21.7	76.3	76.3	5.4	5.4	3.5	5.3	5	3	822169	807587
						1.0	0.4	341	26.7		7.9	7.9	21.7	21.7	76.2	76.3	5.4		3.6					
					Middle	4.0	0.4	321	26.5	26.5	8.0	8.0	22.9	22.9	75.1	75.1	5.3	5.3	6.4	3				
						4.0	0.4	324	26.5		8.0	8.0	22.9	22.9	75.1	75.1	5.3		6.4	2				
					Bottom	6.9	0.5	318	26.7	26.7	8.0	8.0	24.3	24.3	79.9	79.9	5.6	5.6	6.1	2				
						6.9	0.4	317	26.7		8.0	8.0	24.3	24.3	79.9	79.9	5.6		6.1	2				
SR4A	Fine	Moderate	06:02	10.8	Surface	1.0	0.0	252	26.9	26.9	8.1	8.1	23.0	23.0	82.2	82.2	5.8	5.7	4.0	6.8	3	3	817208	807814
						1.0	0.0	254	26.9		8.1	8.1	23.0	23.0	82.1	82.2	5.8		3.9					
					Middle	5.4	0.0	259	26.7	26.7	8.1	8.1	24.0	24.0	79.2	79.2	5.5	5.5	7.2	2				
						5.4	0.1	263	26.7		8.1	8.1	24.0	24.0	79.2	79.2	5.5		7.2	3				
					Bottom	9.8	0.0	229	26.7	26.7	8.1	8.1	24.3	24.3	79.3	79.3	5.5	5.5	9.3	4				
						9.8	0.1	232	26.7		8.1	8.1	24.3	24.3	79.3	79.3	5.5		9.4	3				
SR8	Fine	Moderate	07:49	5.7	Surface	1.0	-	-	27.3	27.3	8.0	8.0	24.4	24.5	79.6	79.6	5.5	5.5	2.8	5.2	<2	<2	820369	811643
						1.0	-	-	27.2		8.0	8.0	24.5	24.5	79.5	79.6	5.5		2.8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	4.7	-	-	26.7	26.7	8.0	8.0	25.2	25.2	74.9	75.0	5.2	5.2	7.7	4				
						4.7	-	-	26.7		8.0	8.0	25.2	25.2	75.0	75.0	5.2		7.4	<2				

DA: Depth-Averaged

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

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

Water Quality Monitoring Results on 16 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	15:23	8.0	Surface	1.0	0.5	219	<u>29.1</u>	29.1	8.2	8.2	22.0	22.0	93.0	92.9	6.3	5.8	8.8	7.0	<2	3	815632	804243
						1.0	0.5	212	29.0		8.2		22.0		92.8		6.3		8.8					
					Middle	4.0	0.4	192	<u>28.0</u>	8.2	8.2	<u>28.3</u>	28.3	78.3	78.4	5.2	5.6							
						4.0	0.4	197	28.0	8.2	8.2	<u>28.3</u>	28.3	78.5	78.4	5.3	5.9							
					Bottom	7.0	0.5	228	<u>27.8</u>	8.2	8.2	<u>29.6</u>	29.6	80.5	80.6	5.4	6.4							
						7.0	0.4	232	27.8	8.2	8.2	<u>29.6</u>	29.6	80.6	80.6	5.4	6.5							
C2	Sunny	Moderate	14:18	12.4	Surface	1.0	0.3	165	<u>29.0</u>	29.0	8.1	8.1	21.7	21.7	89.0	88.9	6.1	5.7	1.4	2.9	3	3	825689	806967
						1.0	0.3	166	29.0		8.1		21.7		88.8		6.1		1.5					
					Middle	6.2	0.3	170	<u>28.1</u>	8.1	8.1	25.0	25.0	77.5	77.5	5.3	4.5							
						6.2	0.3	163	28.1	8.1	8.1	25.0	25.0	77.4	77.5	5.3	4.3							
					Bottom	11.4	0.3	170	<u>27.4</u>	8.1	8.1	<u>27.8</u>	27.8	72.5	72.6	4.9	2.8							
						11.4	0.3	175	27.4	8.1	8.1	<u>27.8</u>	27.8	72.7	72.6	4.9	2.8							
C3	Sunny	Calm	15:15	7.8	Surface	1.0	0.4	68	<u>27.4</u>	27.4	8.1	8.1	23.3	23.4	89.3	88.8	6.2	6.0	1.1	1.1	3	3	822085	817819
						1.0	0.3	74	27.4		8.1		23.5		88.3		6.1		1.0					
					Middle	3.9	0.4	63	<u>27.4</u>	8.1	8.1	25.0	25.0	84.8	84.8	5.8	1.1							
						3.9	0.4	61	27.4	8.1	8.1	25.0	25.0	84.7	84.8	5.8	1.1							
					Bottom	6.8	0.4	72	<u>27.5</u>	8.1	8.1	<u>24.9</u>	24.8	85.5	85.7	5.9	1.2							
						6.8	0.4	75	27.5	8.1	8.1	<u>24.8</u>	24.8	85.8	85.7	5.9	1.2							
IM1	Sunny	Moderate	15:08	6.3	Surface	1.0	0.2	197	<u>28.8</u>	28.8	8.1	8.1	23.6	23.5	97.2	97.1	6.6	6.1	2.3	4.9	4	3	818357	806443
						1.0	0.3	199	28.7		8.1		23.5		96.9		6.6		2.6					
					Middle	3.2	0.2	170	<u>28.3</u>	8.1	8.1	26.3	26.3	81.7	81.7	5.5	5.1							
						3.2	0.2	171	28.3	8.1	8.1	26.3	26.3	81.7	81.7	5.5	5.3							
					Bottom	5.3	0.3	208	<u>28.2</u>	8.1	8.1	<u>27.1</u>	27.1	81.6	81.7	5.5	7.0							
						5.3	0.3	201	28.2	8.1	8.1	<u>27.1</u>	27.1	81.7	81.7	5.5	7.1							
IM2	Sunny	Moderate	15:03	7.2	Surface	1.0	0.2	183	<u>28.6</u>	28.6	8.2	8.2	25.0	25.0	91.6	91.7	6.2	6.0	1.2	2.9	5	3	819194	806219
						1.0	0.2	190	28.6		8.2		25.0		91.7		6.2		1.3					
					Middle	3.6	0.2	182	<u>28.3</u>	8.2	8.2	26.1	26.1	86.6	86.6	5.8	1.4							
						3.6	0.3	184	28.3	8.2	8.2	26.1	26.1	86.5	86.6	5.8	1.4							
					Bottom	6.2	0.1	194	<u>28.1</u>	8.2	8.2	28.1	28.1	82.5	82.6	5.5	6.0							
						6.2	0.1	199	28.1	8.2	8.2	28.1	28.1	82.6	82.6	5.5	6.1							
IM7	Sunny	Moderate	14:41	8.2	Surface	1.0	0.2	142	<u>28.7</u>	28.7	8.1	8.1	22.4	22.3	89.2	89.2	6.1	5.9	1.5	2.8	3	3	821327	806822
						1.0	0.1	143	28.7		8.1		22.3		89.2		6.1		1.6					
					Middle	4.1	0.2	117	<u>28.5</u>	8.1	8.1	24.7	24.7	82.9	82.9	5.6	2.5							
						4.1	0.2	115	28.5	8.1	8.1	24.8	24.8	82.8	82.9	5.6	2.6							
					Bottom	7.2	0.2	109	<u>28.4</u>	8.1	8.1	<u>25.6</u>	25.6	82.6	82.7	5.6	4.3							
						7.2	0.2	109	28.4	8.1	8.1	<u>25.6</u>	25.6	82.7	82.7	5.6	4.6							

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Sunny	Calm	14:19	9.6	Surface	1.0	0.4	97	28.2	28.2	8.0	8.0	20.9	21.0	84.5	84.3	5.9	5.6	3.0	4.1	3	3	822244	809832
						1.0	0.4	89	28.2		8.0	8.0	21.0	21.0	84.1	84.3	5.8		3.0					
					Middle	4.8	0.4	79	27.5	27.5	8.0	8.0	22.5	22.5	76.6	76.2	5.3	5.0	4.2	3				
						4.8	0.4	76	27.4		8.0	8.0	22.5	22.5	75.8	76.2	5.3		4.2	3				
					Bottom	8.6	0.5	114	27.3	27.3	8.0	8.0	24.7	24.7	71.7	71.9	5.0	5.0	5.0	2				
						8.6	0.5	111	27.3		8.0	8.0	24.7	24.7	72.0	71.9	5.0		5.0	3				
IM11	Sunny	Calm	14:23	7.4	Surface	1.0	0.6	103	28.2	28.2	8.0	8.0	20.7	20.8	86.2	85.9	6.0	5.8	4.4	5.5	2	3	821502	810544
						1.0	0.6	100	28.2		8.0	8.0	20.9	20.8	85.6	85.9	6.0		4.4					
					Middle	3.7	0.5	86	28.1	28.1	8.1	8.1	22.4	22.3	80.3	80.2	5.5	5.6	5.4	3				
						3.7	0.5	89	28.1		8.1	8.1	22.3	22.3	80.1	80.2	5.5		5.4	3				
					Bottom	6.4	0.6	99	28.0	28.0	8.1	8.1	22.3	22.3	80.6	80.9	5.6	5.6	6.7	4				
						6.4	0.6	97	27.9		8.1	8.1	22.3	22.3	81.2	80.9	5.6		6.6	3				
IM12	Sunny	Calm	14:28	7.0	Surface	1.0	0.6	89	27.8	27.8	8.0	8.0	22.4	22.4	78.3	78.2	5.4	5.4	3.6	4.5	5	5	821163	811529
						1.0	0.6	89	27.8		8.0	8.0	22.5	22.4	78.1	78.2	5.4		3.6					
					Middle	3.5	0.5	102	27.9	27.9	8.0	8.0	22.7	22.8	77.1	77.1	5.3	5.4	4.0	5				
						3.5	0.5	94	27.9		8.1	8.1	22.9	22.8	77.0	77.1	5.3		4.0	4				
					Bottom	6.0	0.6	85	27.7	27.7	8.1	8.1	23.7	23.7	78.0	78.4	5.4	5.4	5.9	4				
						6.0	0.6	86	27.7		8.1	8.1	23.7	23.7	78.7	78.4	5.4		5.8	5				
SR1A	Sunny	Calm	14:48	5.0	Surface	1.0	0.1	103	28.5	28.5	8.0	8.0	21.8	21.8	87.7	87.7	6.0	6.0	1.1	1.2	4	4	819977	812660
						1.0	0.1	107	28.5		8.0	8.0	21.8	21.8	87.7	87.7	6.0		1.1					
					Middle	2.5	0.0	119	-	-	-	-	-	-	-	-	-	6.0	-	-				
						2.5	0.0	116	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	0.0	98	28.5	28.5	8.0	8.0	21.8	21.8	87.6	87.6	6.0	6.0	1.2	4				
						4.0	0.1	91	28.5		8.0	8.0	21.7	21.8	87.5	87.6	6.0		1.2	4				
SR2	Sunny	Calm	14:59	5.2	Surface	1.0	0.5	63	27.9	27.9	8.1	8.1	20.8	21.0	84.5	84.4	5.9	5.9	1.1	1.2	3	3	821481	814162
						1.0	0.5	55	27.8		8.1	8.1	21.2	21.0	84.3	84.4	5.9		1.1					
					Middle	-	0.5	39	-	-	-	-	-	-	-	-	-	6.1	-	-				
						-	0.5	35	-		-	-	-	-	-	-	-		-					
					Bottom	4.2	0.5	74	27.7	27.7	8.1	8.1	23.2	23.2	86.2	86.9	6.0	6.1	1.4	4				
						4.2	0.5	77	27.7		8.1	8.1	23.2	23.2	87.5	86.9	6.1		1.3	3				
SR3	Sunny	Moderate	14:34	9.5	Surface	1.0	0.3	133	28.7	28.7	8.1	8.1	22.4	22.5	85.8	85.8	5.9	5.6	1.8	4.0	<2	2	822155	807558
						1.0	0.3	126	28.7		8.1	8.1	22.5	22.5	85.7	85.8	5.9		1.9					
					Middle	4.8	0.3	137	28.4	28.4	8.0	8.0	24.0	24.0	78.8	78.7	5.4	5.3	3.7	2				
						4.8	0.2	131	28.4		8.0	8.0	24.1	24.0	78.5	78.7	5.3		3.9	2				
					Bottom	8.5	0.3	129	28.2	28.2	8.0	8.0	24.8	24.8	77.4	77.5	5.3	5.3	6.3	2				
						8.5	0.4	128	28.2		8.1	8.0	24.8	24.8	77.5	77.5	5.3		6.4	4				
SR4A	Sunny	Moderate	15:40	8.0	Surface	1.0	0.0	61	29.0	29.0	8.1	8.1	24.9	24.9	88.7	88.7	6.0	5.7	3.4	6.6	2	2	817190	807794
						1.0	0.0	54	29.0		8.1	8.1	24.9	24.9	88.7	88.7	6.0		3.6					
					Middle	4.0	0.0	57	28.2	28.2	8.1	8.1	26.8	26.9	81.1	81.1	5.4	5.5	8.6	2				
						4.0	0.1	59	28.2		8.1	8.1	26.9	26.9	81.1	81.1	5.5		8.8	2				
					Bottom	7.0	0.1	28	28.3	28.3	8.1	8.1	26.9	26.9	82.2	82.3	5.5	5.5	7.5	2				
						7.0	0.0	20	28.3		8.1	8.1	26.9	26.9	82.4	82.3	5.5		7.7	2				
SR8	Sunny	Calm	14:32	4.6	Surface	1.0	-	-	28.3	28.3	8.1	8.1	21.9	21.9	87.2	87.3	6.0	6.0	2.4	2.9	3	3	820389	811625
						1.0	-	-	28.3		8.1	8.1	21.9	21.9	87.3	87.3	6.0		2.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.6	-	-	27.6	27.6	8.1	8.1	22.3	22.3	89.1	89.5	6.2	6.3	3.3	3				
						3.6	-	-	27.5		8.1	8.1	22.3	22.3	89.9	89.5	6.3		3.3	3				

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Water Quality Monitoring

Water Quality Monitoring Results on 16 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	09:21	8.0	Surface	1.0	0.4	34	28.4	28.4	8.1	8.1	21.7	21.7	82.2	82.1	5.7	5.6	3.2	7.6	2	3	815603	804237
						1.0	0.3	29	28.4	8.1	8.1	21.6	21.6	81.9	82.4	5.7	5.6	3.5	7.6	3				
					Middle	4.0	0.4	41	28.1	28.1	8.1	8.1	27.9	27.9	80.0	80.0	5.4	5.4	9.3	7.6	3			
						4.0	0.4	40	28.1	28.1	8.1	8.1	27.9	27.9	80.0	80.0	5.4	5.4	9.5	7.6	3			
					Bottom	7.0	0.4	34	28.0	28.0	8.1	8.1	28.7	28.7	81.2	81.3	5.4	5.4	10.2	7.6	3			
						7.0	0.4	27	28.0	28.0	8.1	8.1	28.7	28.7	81.3	81.3	5.4	5.4	10.1	7.6	2			
C2	Sunny	Moderate	10:24	12.5	Surface	1.0	0.4	351	28.7	28.7	8.0	8.0	20.5	20.5	82.8	82.8	5.7	5.5	2.8	6.0	5	5	825686	806944
						1.0	0.4	348	28.7	28.7	8.0	8.0	20.5	20.5	82.8	82.8	5.7	5.5	3.0	6.0	6			
					Middle	6.3	0.4	0	28.5	28.5	8.0	8.0	22.6	22.6	77.7	77.6	5.3	5.3	11.4	6.0	6			
						6.3	0.4	4	28.5	28.5	8.0	8.0	22.7	22.7	77.4	77.6	5.3	5.3	11.5	6.0	5			
					Bottom	11.5	0.4	346	28.3	28.3	8.0	8.0	23.1	23.1	75.9	75.8	5.2	5.2	3.6	6.0	5			
						11.5	0.4	346	28.3	28.3	8.0	8.0	23.1	23.1	75.7	75.8	5.2	5.2	3.6	6.0	5			
C3	Sunny	Calm	08:55	8.0	Surface	1.0	0.5	247	27.7	27.7	7.9	7.9	22.7	22.7	76.6	76.5	5.3	5.3	1.0	1.2	3	2	822109	817804
						1.0	0.5	253	27.7	27.7	7.9	7.9	22.7	22.7	76.4	76.5	5.3	5.3	1.0	1.2	2			
					Middle	4.0	0.5	248	27.6	27.6	7.9	7.9	23.3	23.3	75.7	75.7	5.2	5.2	1.1	1.2	2			
						4.0	0.5	250	27.6	27.6	7.9	7.9	23.3	23.3	75.7	75.7	5.2	5.2	1.2	1.2	2			
					Bottom	7.0	0.5	254	27.6	27.6	7.9	7.9	23.4	23.4	75.7	75.7	5.2	5.2	1.5	1.2	<2			
						7.0	0.4	259	27.6	27.6	7.9	7.9	23.3	23.3	75.7	75.7	5.2	5.2	1.6	1.2	<2			
IM1	Fine	Moderate	09:35	6.1	Surface	1.0	0.2	17	28.6	28.6	8.1	8.1	24.6	24.6	84.2	84.2	5.7	5.6	2.6	5.1	2	3	818369	806444
						1.0	0.1	10	28.6	28.6	8.1	8.1	24.6	24.6	84.1	84.2	5.7	5.6	2.7	5.1	2			
					Middle	3.1	0.2	2	28.4	28.4	8.1	8.1	25.7	25.7	80.3	80.3	5.4	5.4	5.0	5.1	2			
						3.1	0.2	355	28.4	28.4	8.1	8.1	25.7	25.7	80.3	80.3	5.4	5.4	5.2	5.1	3			
					Bottom	5.1	0.2	351	28.3	28.3	8.1	8.1	26.1	26.1	81.0	81.1	5.5	5.5	7.4	5.1	4			
						5.1	0.2	354	28.3	28.3	8.1	8.1	26.1	26.1	81.1	81.1	5.5	5.5	7.6	5.1	3			
IM2	Fine	Moderate	09:40	7.2	Surface	1.0	0.2	354	28.5	28.5	8.1	8.1	23.2	23.2	76.2	76.2	5.2	4.7	5.6	3.9	2	2	819166	806226
						1.0	0.2	350	28.5	28.5	8.1	8.1	23.2	23.2	76.2	76.2	5.2	4.7	6.2	3.9	2			
					Middle	3.6	0.2	346	28.4	28.4	8.1	8.1	25.2	25.2	61.8	61.8	4.1	4.1	2.9	3.9	2			
						3.6	0.2	345	28.4	28.4	8.1	8.1	25.2	25.2	61.8	61.8	4.1	4.1	2.9	3.9	2			
					Bottom	6.2	0.2	349	28.4	28.4	8.1	8.1	25.5	25.5	52.2	52.4	3.5	3.5	2.7	3.5	3			
						6.2	0.2	350	28.4	28.4	8.1	8.1	25.5	25.5	52.5	52.4	3.5	3.5	2.8	3.5	2			
IM7	Sunny	Moderate	10:02	7.0	Surface	1.0	0.1	325	28.8	28.8	8.0	8.0	20.0	20.0	84.9	84.8	5.9	5.7	1.0	2.0	2	3	821351	806814
						1.0	0.1	324	28.8	28.8	8.0	8.0	20.1	20.1	84.6	84.8	5.8	5.7	1.0	2.0	3			
					Middle	3.5	0.2	335	28.7	28.7	8.1	8.1	21.1	21.1	81.8	81.8	5.6	5.6	1.9	2.0	3			
						3.5	0.2	339	28.7	28.7	8.1	8.1	21.2	21.1	81.7	81.8	5.6	5.6	2.0	2.0	4			
					Bottom	6.0	0.2	352	28.6	28.6	8.1	8.1	22.1	22.1	82.7	82.8	5.7	5.7	3.2	2.0	4			
						6.0	0.2	358	28.6	28.6	8.1	8.1	22.2	22.1	82.8	82.8	5.7	5.7	3.2	2.0	2			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 16 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA						
IM10	Sunny	Calm	09:55	8.6	Surface	1.0	0.5	301	28.1	28.1	8.0	8.0	21.3	21.3	82.4	82.3	5.7	5.6	4.0	5.3	2	2	822222	809859				
						1.0	0.5	306	28.1		8.0	8.0	21.4	21.3	82.1	82.3	5.7		4.0		2							
					Middle	4.3	0.5	276	28.0	28.0	8.0	8.0	22.0	22.0	78.2	78.3	5.4	5.5	5.1	2								
						4.3	0.6	271	28.0		8.0	8.0	22.0	22.0	78.3	78.3	5.4		5.1	2								
					Bottom	7.6	0.5	276	28.0	28.0	8.0	8.0	22.0	22.0	78.6	78.7	5.4	5.5	6.9	3								
						7.6	0.6	276	28.0		8.0	8.0	22.0	22.0	78.8	78.8	5.5		6.8	2								
IM11	Sunny	Calm	09:51	8.2	Surface	1.0	0.6	287	28.1	28.1	8.0	8.0	21.5	21.5	82.2	82.1	5.7	5.7	3.5	4.5	3	3	821482	810551				
						1.0	0.5	281	28.0		8.0	8.0	21.6	21.5	82.0	82.1	5.7		3.6		3							
					Middle	4.1	0.5	296	27.9	27.9	8.0	8.0	22.0	22.0	81.0	81.0	5.6	6.0	4.1	4								
						4.1	0.5	293	27.8		8.0	8.0	22.0	22.0	80.9	81.0	5.6		4.2	3								
					Bottom	7.2	0.6	267	27.6	27.6	8.0	8.0	22.0	22.0	82.5	84.6	5.8	6.0	5.9	3								
						7.2	0.5	262	27.5		8.0	8.0	21.9	22.0	86.6	84.6	6.1		5.9	4								
IM12	Sunny	Calm	09:46	7.8	Surface	1.0	0.5	293	27.9	27.9	8.0	8.0	20.7	20.7	82.9	81.2	5.8	5.6	5.8	6.5	2	2	821167	811525				
						1.0	0.5	289	27.9		8.0	8.0	20.7	20.7	79.5	81.2	5.6		5.9		3							
					Middle	3.9	0.5	289	27.8	27.8	8.0	8.0	22.7	22.6	78.4	78.4	5.4	5.6	6.6	2								
						3.9	0.6	287	27.8		8.0	8.0	22.6	22.6	78.4	78.4	5.4		6.6	2								
					Bottom	6.8	0.5	287	27.6	27.6	8.0	8.0	22.7	22.7	79.5	79.9	5.5	5.6	7.1	2								
						6.8	0.6	293	27.6		8.0	8.0	22.7	22.7	80.3	79.9	5.6		7.0	2								
SR1A	Sunny	Calm	09:25	4.2	Surface	1.0	0.0	192	28.2	28.2	7.9	7.9	20.4	20.4	84.6	84.7	5.9	5.9	1.1	1.4	7	5	819978	812665				
						1.0	0.1	192	28.2		7.9	7.9	20.4	20.4	84.8	84.7	5.9		1.1		6							
					Middle	2.1	0.0	184	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.1	0.1	190	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.2	0.0	195	28.2	28.2	7.9	7.9	20.3	20.2	86.6	87.0	6.0	6.1	1.7	4								
						3.2	0.0	190	28.2		7.9	7.9	20.1	20.2	87.3	87.0	6.1		1.7	3								
SR2	Sunny	Calm	09:13	5.0	Surface	1.0	0.1	260	27.6	27.6	8.0	8.0	23.4	23.4	77.2	77.2	5.3	5.3	5.4	5.8	5	5	821460	814187				
						1.0	0.1	256	27.6		8.0	8.0	23.5	23.4	77.2	77.2	5.3		5.4		6							
					Middle	-	0.1	237	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	0.1	239	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.0	0.2	262	27.1	27.1	8.0	8.0	23.9	23.9	80.0	80.5	5.6	5.6	6.1	4								
						4.0	0.2	255	27.1		8.0	8.0	23.9	23.9	80.9	80.5	5.6		6.2	3								
SR3	Sunny	Moderate	10:06	8.6	Surface	1.0	0.3	347	28.9	28.9	8.0	8.0	20.3	20.3	88.1	88.1	6.1	5.9	1.0	1.9	<2	3	822156	807562				
						1.0	0.3	342	28.9		8.0	8.0	20.2	20.3	88.1	88.1	6.1		1.1		<2							
					Middle	4.3	0.3	344	28.7	28.7	8.0	8.0	21.3	21.3	81.3	81.3	5.6	5.6	2.3	2								
						4.3	0.3	338	28.7		8.0	8.0	21.4	21.3	81.3	81.3	5.6		2.3	3								
					Bottom	7.6	0.3	335	28.6	28.6	8.0	8.0	21.7	21.7	81.5	81.7	5.6	5.6	2.3	3								
						7.6	0.3	334	28.6		8.0	8.0	21.7	21.7	81.9	81.7	5.6		2.3	3								
SR4A	Fine	Moderate	09:01	9.4	Surface	1.0	0.0	167	28.6	28.6	8.0	8.0	23.6	23.6	82.5	82.5	5.6	5.6	5.0	3.9	2	2	817206	807792				
						1.0	0.0	171	28.6		8.0	8.0	23.6	23.6	82.5	82.5	5.6		4.9		2							
					Middle	4.7	0.0	184	28.5	28.5	8.0	8.0	23.6	23.6	82.0	82.0	5.6	5.6	3.0	3								
						4.7	0.0	181	28.5		8.0	8.0	23.6	23.6	82.0	82.0	5.6		3.1	2								
					Bottom	8.4	0.1	190	28.5	28.5	8.0	8.0	23.6	23.6	82.4	82.5	5.6	5.6	3.6	3								
						8.4	0.0	196	28.5		8.0	8.0	23.6	23.6	82.5	82.5	5.6		3.6	2								
SR8	Sunny	Calm	09:42	5.4	Surface	1.0	-	-	28.4	28.4	8.0	8.0	20.7	20.7	84.4	84.4	5.9	5.9	4.5	5.3	2	3	820396	811631				
						1.0	-	-	28.3		8.0	8.0	20.8	20.7	84.3	84.4	5.9		4.6		3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-			
					Bottom	4.4	-	-	28.1	28.2	8.0	8.0	21.0	21.0	85.8	86.1	6.0	6.0	6.0	4								
						4.4	-	-	28.2		8.0	8.0	21.0	21.0	86.4	86.1	6.0		6.1	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 18 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	15:56	8.0	Surface	1.0	0.1	190	<u>28.6</u>	28.6	8.5	8.5	20.6	20.6	160.1	159.8	11.1	8.6	1.6	6.2	5	4	815631	804266
						1.0	0.0	194	28.6		8.6		20.6		159.5		11.0		1.6		4			
					Middle	4.0	0.1	178	27.6	8.2	8.2	26.7	26.7	91.1	91.2	6.2	7.7	5						
						4.0	0.2	176	27.6	8.2	8.2	26.7	26.7	91.3	91.2	6.2	7.7	4						
					Bottom	7.0	0.1	208	<u>27.8</u>	27.9	8.2	8.2	26.6	26.5	92.9	93.2	6.3	6.3	9.0					
						7.0	0.2	207	27.9		8.2		26.5		93.4		6.3		9.7	4				
C2	Sunny	Moderate	17:26	10.6	Surface	1.0	0.6	170	<u>28.9</u>	28.9	8.5	8.5	21.1	21.1	171.9	171.6	11.8	9.8	1.1	6.6	3	4	825692	806940
						1.0	0.6	164	28.9		8.5		21.1		171.3		11.8		1.2		3			
					Middle	5.3	0.5	181	28.2	8.2	8.2	23.7	23.7	112.4	112.5	7.7	3.4	4						
						5.3	0.5	188	28.2	8.2	8.2	23.7	23.7	112.5	112.5	7.7	3.4	3						
					Bottom	9.6	0.6	191	28.1	28.1	8.2	8.2	23.8	23.8	102.5	102.6	7.0	7.0	15.3					
						9.6	0.6	193	28.1		8.2		23.8		102.7		7.0		15.2	4				
C3	Sunny	Calm	16:29	7.6	Surface	1.0	0.3	66	27.9	27.9	8.3	8.3	26.3	26.3	130.4	127.5	8.9	8.0	1.1	1.3	3	3	822124	817814
						1.0	0.3	63	27.8		8.3		26.3		124.6		8.5		1.1		4			
					Middle	3.8	0.2	91	27.7	8.1	8.1	28.0	28.0	108.1	108.1	7.3	1.1	2						
						3.8	0.2	84	27.7	8.1	8.1	28.0	28.0	108.1	108.1	7.3	1.1	3						
					Bottom	6.6	0.3	103	27.7	27.7	8.1	8.1	28.0	27.9	107.8	107.8	7.3	7.3	1.6					
						6.6	0.3	102	27.7		8.1		27.9		107.7		7.3		1.6		2			
IM1	Sunny	Moderate	16:20	6.2	Surface	1.0	0.1	182	29.0	29.0	8.5	8.5	21.2	21.3	174.7	174.4	12.0	11.2	1.2	1.3	4	3	818327	806470
						1.0	0.1	187	28.9		8.5		21.3		174.1		11.9		1.2		3			
					Middle	3.1	0.1	199	28.5	28.5	8.5	8.5	23.6	23.7	152.7	152.1	10.4	10.3	1.3					
						3.1	0.1	197	28.5		8.5		23.7		151.5		10.3		1.2		3			
					Bottom	5.2	0.1	195	28.2	28.3	8.3	8.3	24.2	24.2	125.1	125.3	8.5	8.6	1.5					
						5.2	0.0	202	28.3		8.3		24.2		125.5		8.6		1.5		2			
IM2	Sunny	Moderate	16:26	7.6	Surface	1.0	0.2	193	28.4	28.4	8.5	8.5	22.6	22.5	164.2	164.1	11.3	10.1	1.3	2.2	2	4	819196	806235
						1.0	0.2	197	28.4		8.5		22.5		164.0		11.3		1.3		3			
					Middle	3.8	0.2	208	28.3	28.3	8.4	8.4	24.2	24.2	130.0	129.0	8.9	8.8	2.6					
						3.8	0.2	214	28.2		8.4		24.2		129.0		8.8		2.8		4			
					Bottom	6.6	0.2	188	28.1	28.1	8.2	8.2	24.7	24.8	106.2	106.2	7.2	7.2	2.8					
						6.6	0.2	186	28.1		8.2		24.8		106.2		7.2		2.6		4			
IM7	Sunny	Moderate	16:47	8.4	Surface	1.0	0.1	169	28.8	28.8	8.5	8.5	21.6	21.6	159.2	159.1	10.9	9.5	1.3	1.8	3	5	821353	806826
						1.0	0.1	176	28.8		8.5		21.7		158.9		10.9		1.3		4			
					Middle	4.2	0.1	173	28.3	28.3	8.3	8.3	23.8	23.8	116.6	116.5	8.0	8.0	2.0					
						4.2	0.1	170	28.3		8.3		23.8		116.5		8.0		2.0		6			
					Bottom	7.4	0.1	189	28.2	28.2	8.3	8.3	24.0	24.0	109.6	109.9	7.5	7.5	2.0					
						7.4	0.1	182	28.2		8.3		24.0		110.2		7.5		2.0		7			

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Sunny	Calm	15:25	9.4	Surface	1.0	0.2	85	28.6	28.6	8.5	8.5	22.5	22.5	110.1	107.6	7.5	6.9	1.0	1.2	3	3	822246	809827			
						1.0	0.2	83	28.6	8.4	8.5	22.4	22.5	105.1	107.6	7.2	6.9	1.1	1.2	3							
					Middle	4.7	0.2	88	28.6	8.5	8.5	24.2	24.2	96.0	96.1	6.5	6.7	1.1	1.2	3							
						4.7	0.2	94	28.6	8.5	8.5	24.2	24.2	96.1	96.1	6.5	6.7	1.2	1.2	3							
					Bottom	8.4	0.1	109	28.6	8.4	8.4	24.2	24.1	97.9	98.3	6.6	6.7	1.5	1.4	2							
						8.4	0.2	110	28.7	8.4	8.4	24.1	24.1	98.7	98.3	6.7	6.7	1.4	1.4	3							
IM11	Sunny	Calm	15:36	7.2	Surface	1.0	0.3	94	29.4	29.4	8.4	8.4	22.7	22.8	161.5	161.5	10.9	10.9	1.1	1.3	3	2	821517	810528			
						1.0	0.3	87	29.4	8.4	8.4	22.8	22.8	161.4	161.5	10.9	10.9	1.0	1.3	2							
					Middle	3.6	0.2	71	29.3	8.4	8.4	23.0	23.0	161.1	161.0	10.9	10.9	1.2	1.3	2							
						3.6	0.3	63	29.3	8.4	8.4	23.0	23.0	160.9	160.9	10.9	10.9	1.2	1.3	2							
					Bottom	6.2	0.3	81	29.4	8.4	8.4	22.8	22.8	156.2	154.7	10.5	10.4	1.5	1.6	<2							
						6.2	0.3	85	29.5	8.4	8.4	22.7	22.8	153.1	154.7	10.3	10.4	1.6	1.6	<2							
IM12	Sunny	Calm	15:40	7.0	Surface	1.0	0.3	86	28.3	28.3	8.4	8.4	24.3	24.2	130.5	126.6	8.9	7.6	1.0	1.8	5	4	821144	811516			
						1.0	0.3	83	28.2	8.4	8.4	24.2	24.2	122.7	126.6	8.4	7.6	1.0	1.8	4							
					Middle	3.5	0.3	96	28.1	8.2	8.2	26.2	26.2	95.8	95.8	6.5	6.8	1.4	1.8	4							
						3.5	0.3	95	28.1	8.2	8.2	26.2	26.2	95.7	95.8	6.5	6.8	1.5	1.8	5							
					Bottom	6.0	0.3	84	28.1	8.2	8.2	26.3	26.2	98.9	99.6	6.7	6.8	2.7	2.8	4							
						6.0	0.3	82	28.1	8.2	8.2	26.2	26.2	100.3	99.6	6.8	6.8	2.8	2.8	3							
SR1A	Sunny	Calm	16:05	4.8	Surface	1.0	0.1	149	29.4	29.5	8.5	8.5	24.1	24.2	169.7	164.6	11.3	11.0	1.1	1.2	3	3	819982	812655			
						1.0	0.0	142	29.5	8.4	8.5	24.2	24.2	159.4	164.6	10.6	11.0	1.1	1.2	3							
					Middle	2.4	0.0	132	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.4	0.0	126	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.8	0.0	117	29.8	8.4	8.4	24.1	24.1	147.1	145.2	9.8	9.7	1.3	1.3	3							
						3.8	0.0	117	29.9	8.4	8.4	24.1	24.1	143.3	145.2	9.5	9.7	1.3	1.3	3							
SR2	Sunny	Calm	16:11	5.0	Surface	1.0	0.3	36	29.3	29.3	8.5	8.5	24.3	24.4	180.1	179.3	12.0	12.0	2.3	3.0	3	3	821474	814153			
						1.0	0.3	37	29.3	8.5	8.5	24.5	24.4	178.5	179.3	11.9	12.0	2.3	3.0	4							
					Middle	-	0.3	45	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.4	40	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.0	0.3	57	29.3	8.3	8.3	24.8	24.8	164.7	165.2	11.0	11.1	3.7	3.6	2							
						4.0	0.4	55	29.3	8.3	8.3	24.7	24.8	165.7	165.2	11.1	11.1	3.6	3.6	3							
SR3	Sunny	Moderate	16:55	8.7	Surface	1.0	0.4	170	28.7	28.7	8.4	8.4	21.0	21.0	151.5	153.2	10.4	8.9	0.7	1.8	5	4	822128	807570			
						1.0	0.4	162	28.7	8.4	8.4	21.0	21.0	154.9	153.2	10.7	8.9	0.7	1.8	4							
					Middle	4.4	0.4	140	28.2	8.2	8.2	22.4	22.4	106.1	106.4	7.3	7.6	2.0	1.8	4							
						4.4	0.4	134	28.2	8.2	8.2	22.5	22.4	106.6	106.4	7.3	7.6	2.1	1.8	5							
					Bottom	7.7	0.4	166	28.3	8.3	8.3	23.0	23.0	111.2	111.1	7.6	7.6	2.6	2.6	3							
						7.7	0.4	173	28.3	8.3	8.3	23.0	23.0	110.9	111.1	7.6	7.6	2.7	2.6	4							
SR4A	Sunny	Moderate	15:22	9.6	Surface	1.0	0.0	88	28.9	28.9	8.5	8.5	21.8	21.8	152.1	151.9	10.4	9.9	1.3	2.6	5	4	817172	807795			
						1.0	0.0	85	28.9	8.5	8.5	21.8	21.8	151.6	151.9	10.4	9.9	1.3	2.6	4							
					Middle	4.8	0.1	83	28.6	8.4	8.4	23.1	23.1	138.4	138.1	9.4	8.8	2.6	2.6	3							
						4.8	0.1	79	28.5	8.4	8.4	23.2	23.1	137.8	138.1	9.4	8.8	2.8	2.6	3							
					Bottom	8.6	0.0	108	28.5	8.4	8.4	23.7	23.7	129.6	129.4	8.8	8.8	3.8	3.8	3							
						8.6	0.0	112	28.5	8.4	8.4	23.7	23.7	129.1	129.4	8.8	8.8	3.8	3.8	3							
SR8	Sunny	Calm	15:47	4.4	Surface	1.0	-	-	29.0	29.0	8.2	8.2	24.6	24.7	122.3	121.6	8.2	8.2	5.1	5.8	3	3	820382	811626			
						1.0	-	-	29.0	8.2	8.2	24.7	24.7	120.9	121.6	8.1	8.2	5.0	5.8	2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	3.4	-	-	29.0	8.2	8.2	24.8	24.7	115.7	118.5	7.8	8.0	6.4	6.5	3							
						3.4	-	-	29.0	8.2	8.2	24.6	24.7	121.3	118.5	8.1	8.0	6.5	6.5	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 18 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	11:43	8.7	Surface	1.0	0.3	45	28.1	28.1	8.2	8.2	21.5	21.5	107.6	107.5	7.5	6.9	0.8	5.5	3	4	815644	804247
						1.0	0.3	49	28.1		8.2	8.2	21.5	21.5	107.4	107.5	7.5		0.8		3			
					Middle	4.4	0.2	37	27.7	27.7	8.2	8.2	25.7	25.7	90.5	90.7	6.2	5.8	3.2	3				
						4.4	0.2	33	27.7		8.2	8.1	25.7	27.1	90.8	90.7	6.2		3.0	4				
					Bottom	7.7	0.3	14	27.5	27.5	8.1	8.1	27.1	27.1	84.7	84.8	5.8	5.8	12.6	5				
						7.7	0.3	15	27.5		8.1	8.1	27.1	27.1	84.8	84.8	5.8		12.5	4				
C2	Sunny	Moderate	10:15	11.7	Surface	1.0	0.1	298	28.3	28.3	8.1	8.1	19.3	19.3	94.1	94.1	6.6	5.9	1.0	3.9	3	4	825679	806930
						1.0	0.0	296	28.3		8.1	8.1	19.3	19.3	94.1	94.1	6.6		1.0		4			
					Middle	5.9	0.1	311	27.6	27.6	8.0	8.0	24.0	24.0	76.1	76.1	5.2	5.2	1.4	3				
						5.9	0.1	310	27.6		8.0	8.0	24.0	24.0	76.1	76.1	5.2		1.4	4				
					Bottom	10.7	0.1	295	27.5	27.5	8.1	8.1	24.4	24.4	74.8	74.8	5.2	5.2	9.3	4				
						10.7	0.1	299	27.5		8.1	8.1	24.4	24.4	74.8	74.8	5.2		9.4	4				
C3	Sunny	Calm	09:51	7.8	Surface	1.0	0.2	267	28.1	28.1	8.1	8.1	25.6	25.7	95.3	93.8	6.5	6.3	1.1	1.1	2	3	822131	817788
						1.0	0.2	273	28.1		8.1	8.1	25.7	25.7	92.2	92.2	6.2		1.0		3			
					Middle	3.9	0.3	287	28.1	28.1	8.0	8.0	25.8	25.8	91.6	91.6	6.2	6.3	1.1	3				
						3.9	0.3	285	28.1		8.0	8.0	25.8	25.8	91.6	91.6	6.2		1.1	3				
					Bottom	6.8	0.2	248	28.1	28.1	8.0	8.0	25.8	25.7	91.9	92.1	6.2	6.3	1.2	3				
						6.8	0.2	249	28.1		8.0	8.0	25.7	25.7	92.3	92.3	6.3		1.1	3				
IM1	Sunny	Moderate	11:21	6.6	Surface	1.0	0.2	8	28.4	28.4	8.3	8.3	23.1	23.1	118.6	118.6	8.1	8.1	1.0	3.1	5	4	818361	806452
						1.0	0.2	3	28.4		8.3	8.3	23.1	23.1	118.6	118.6	8.1		1.0		4			
					Middle	3.3	0.2	22	28.2	28.2	8.3	8.3	23.8	23.8	116.9	116.9	8.0	6.3	1.5	4				
						3.3	0.2	24	28.2		8.3	8.3	23.8	23.8	116.8	116.8	8.0		1.5	2				
					Bottom	5.6	0.1	21	27.9	27.9	8.2	8.2	25.6	25.6	92.2	92.3	6.3	6.3	6.8	4				
						5.6	0.1	25	27.9		8.2	8.2	25.6	25.6	92.3	92.3	6.3		6.8	3				
IM2	Sunny	Moderate	11:12	7.7	Surface	1.0	0.1	343	28.2	28.2	8.2	8.2	24.0	24.0	108.6	108.6	7.4	7.1	1.7	5.6	6	5	819178	806232
						1.0	0.1	348	28.2		8.2	8.2	24.0	24.0	108.6	108.6	7.4		1.8		6			
					Middle	3.9	0.2	324	28.1	28.1	8.2	8.2	24.5	24.4	99.6	99.6	6.8	6.2	1.8	5				
						3.9	0.2	319	28.1		8.2	8.2	24.4	24.4	99.6	99.6	6.8		1.8	4				
					Bottom	6.7	0.1	314	27.9	27.9	8.1	8.1	25.2	25.2	90.8	90.6	6.2	6.2	13.6	4				
						6.7	0.1	318	27.9		8.1	8.1	25.2	25.2	90.4	90.4	6.2		13.1	5				
IM7	Sunny	Moderate	10:45	8.6	Surface	1.0	0.2	238	28.6	28.6	8.1	8.1	20.0	20.0	109.3	109.3	7.6	7.4	0.4	0.9	<2	2	821371	806836
						1.0	0.2	238	28.5		8.1	8.1	20.0	20.0	109.3	109.3	7.6		0.5		<2			
					Middle	4.3	0.2	255	28.3	28.3	8.1	8.1	21.0	21.0	102.8	102.8	7.1	6.7	0.9	2				
						4.3	0.2	256	28.3		8.1	8.1	21.0	21.0	102.7	102.7	7.1		0.9	2				
					Bottom	7.6	0.2	270	28.2	28.2	8.1	8.1	21.4	21.4	97.0	97.0	6.7	6.7	1.2	2				
						7.6	0.3	276	28.2		8.1	8.1	21.4	21.4	97.0	97.0	6.7		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 18 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Calm	11:06	8.2	Surface	1.0	0.4	281	<u>28.6</u>	28.6	8.1	8.1	23.9	23.9	100.2	99.5	6.8	6.6	2.4	4.2	<2	2	822227	809844
						1.0	0.4	280	28.6		8.1	8.1	23.9	23.9	98.8	99.5	6.7		2.4		<2			
					Middle	4.1	0.3	301	28.6	28.6	8.1	8.1	24.0	24.0	94.0	94.0	6.4	6.5	6.4	4.3	2			
						4.1	0.3	303	28.6		8.1	8.1	24.0	24.0	93.9	94.0	6.4		4.3	2				
					Bottom	7.2	0.3	273	<u>28.6</u>	28.6	8.1	8.1	24.0	24.0	94.9	95.2	6.4	6.5	6.0	6.0	2			
						7.2	0.3	275	28.6		8.1	8.1	24.0	24.0	95.4	95.2	6.5		6.0	3				
IM11	Sunny	Calm	10:57	8.0	Surface	1.0	0.4	291	<u>28.6</u>	28.6	8.1	8.1	23.9	23.9	99.5	99.5	6.8	6.8	1.2	4.2	2	3	821512	810559
						1.0	0.3	291	28.6		8.1	8.1	23.9	23.9	99.5	99.5	6.8		1.2		2			
					Middle	4.0	0.3	264	28.5	28.5	8.1	8.0	24.0	24.0	99.5	99.6	6.8	6.9	5.2	5.1	2			
						4.0	0.3	261	28.5		8.0	8.0	24.0	24.0	99.6	99.6	6.8		5.1	2				
					Bottom	7.0	0.4	272	<u>28.2</u>	28.2	7.9	7.9	24.1	24.2	100.4	100.6	6.9	6.9	6.1	6.1	4			
						7.0	0.3	273	28.1		7.9	7.9	24.2	24.2	100.7	100.6	6.9		6.1	3				
IM12	Sunny	Calm	10:50	7.6	Surface	1.0	0.3	279	<u>28.6</u>	28.6	8.2	8.2	23.6	23.6	109.7	109.6	7.5	7.1	1.0	4.3	<2	2	821154	811523
						1.0	0.3	276	28.5		8.2	8.2	23.6	23.6	109.5	109.6	7.5		1.0		<2			
					Middle	3.8	0.4	284	28.5	28.5	8.1	8.1	23.7	23.7	98.9	98.8	6.7	6.9	5.5	5.4	<2			
						3.8	0.4	283	28.5		8.0	8.0	23.7	23.7	98.6	98.6	6.7		5.4	2				
					Bottom	6.6	0.4	264	<u>28.5</u>	28.5	8.0	8.0	23.7	23.7	99.6	100.3	6.8	6.9	6.4	6.4	2			
						6.6	0.4	262	28.5		8.0	8.0	23.7	23.7	100.9	100.3	6.9		6.5	2				
SR1A	Sunny	Calm	10:32	4.6	Surface	1.0	-	201	<u>28.5</u>	28.5	8.2	8.2	23.4	23.5	105.1	105.0	7.2	7.2	1.1	1.1	3	2	819971	812654
						1.0	0.1	195	28.5		8.2	8.2	23.5	23.5	104.9	104.8	7.2		1.0		2			
					Middle	2.3	0.0	189	-	-	-	-	-	-	-	-	-	7.1	-	-	-			
						2.3	0.0	184	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.6	0.0	194	<u>28.5</u>	28.5	8.2	8.2	23.6	23.6	104.8	104.8	7.1	7.1	1.1	1.1	2			
						3.6	0.1	201	28.5		8.2	8.2	23.5	23.6	104.7	104.8	7.1		1.1	2				
SR2	Sunny	Calm	10:11	5.2	Surface	1.0	0.1	290	<u>28.5</u>	28.5	8.1	8.1	23.6	23.6	109.3	109.2	7.4	7.4	1.2	1.3	4	3	821464	814149
						1.0	0.1	287	28.5		8.1	8.1	23.6	23.6	109.1	109.1	7.4		1.2		5			
					Middle	-	0.1	309	-	-	-	-	-	-	-	-	-	7.5	-	-	-			
						-	0.1	315	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.2	0.1	281	<u>28.5</u>	28.5	8.1	8.1	23.6	23.6	109.4	109.5	7.5	7.5	1.4	1.3	2			
						4.2	0.0	279	28.5		8.1	8.1	23.6	23.6	109.6	109.5	7.5		1.3	2				
SR3	Sunny	Moderate	10:36	8.9	Surface	1.0	0.1	213	<u>28.6</u>	28.6	8.1	8.1	19.9	19.9	102.3	102.3	7.1	7.1	0.6	2.9	3	3	822147	807576
						1.0	0.2	214	28.5		8.1	8.1	19.9	19.9	102.2	102.2	7.1		0.6		3			
					Middle	4.5	0.1	210	<u>28.2</u>	28.2	8.1	8.1	21.6	21.6	101.2	101.2	7.0	6.4	1.0	1.0	3			
						4.5	0.1	205	28.2		8.1	8.1	21.6	21.6	101.2	101.2	7.0		1.0	2				
					Bottom	7.9	0.1	223	<u>28.1</u>	28.1	8.1	8.1	22.1	22.1	92.4	92.4	6.4	6.4	7.0	7.0	2			
						7.9	0.1	228	28.1		8.1	8.1	22.1	22.1	92.4	92.4	6.4		7.3	2				
SR4A	Sunny	Moderate	12:04	8.4	Surface	1.0	0.0	130	<u>28.4</u>	28.4	8.2	8.2	22.1	22.1	112.8	112.7	7.7	7.4	1.5	2.9	4	5	817189	807817
						1.0	0.0	133	28.4		8.2	8.2	22.1	22.1	112.6	112.6	7.7		1.5		4			
					Middle	4.2	0.1	137	<u>28.2</u>	28.2	8.2	8.2	22.8	22.8	103.1	103.1	7.1	6.9	2.4	2.7	5			
						4.2	0.1	130	28.2		8.2	8.2	22.8	22.8	103.0	103.0	7.1		2.7	4				
					Bottom	7.4	0.0	137	<u>28.1</u>	28.1	8.2	8.2	24.4	24.4	101.4	101.4	6.9	6.9	4.6	4.6	5			
						7.4	0.1	135	28.1		8.2	8.2	24.4	24.4	101.4	101.4	6.9		4.6	6				
SR8	Sunny	Calm	10:44	5.0	Surface	1.0	-	-	<u>28.5</u>	28.5	8.2	8.2	23.1	23.1	109.0	108.4	7.4	7.4	1.8	2.3	4	3	820393	811644
						1.0	-	-	28.5		8.2	8.2	23.1	23.1	107.8	107.8	7.4		1.7		4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	-	-	<u>28.3</u>	28.3	8.0	8.0	23.2	23.2	104.6	106.7	7.2	7.4	3.0	3.0	2			
						4.0	-	-	28.3		8.0	8.0	23.2	23.2	108.8	108.8	7.5		2.9	3				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Fine	Moderate	07:49	8.3	Surface	1.0	0.4	204	28.6	28.6	8.6	8.6	22.6	22.7	158.4	157.8	10.8	9.2	1.3	5.7	4	4	815625	804239				
						1.0	0.5	207	28.5		8.6		22.7		157.2		10.8		1.4		4							
					Middle	4.2	0.5	202	28.1	28.1	8.3	8.3	29.2	29.2	112.5	114.5	7.5	7.8	5.5	7.2	10.3				7.0	4	4	4
						4.2	0.4	204	28.1		8.3		29.2		116.4		7.8		5.7		4							
					Bottom	7.3	0.5	224	28.0	28.0	8.2	8.2	27.3	27.3	107.7	106.2	7.3	7.0	10.3	7.0	10.1				7.0	5	4	4
						7.3	0.4	224	28.0		8.2		27.4		104.7		7.0		10.1		4							
C2	Fine	Moderate	09:09	10.0	Surface	1.0	0.5	160	28.7	28.7	8.4	8.4	21.8	21.8	130.8	130.5	9.0	7.4	1.3	3.9	4	4	825698	806926				
						1.0	0.5	152	28.7		8.4		21.9		130.1		8.9		1.4		4							
					Middle	5.0	0.5	176	28.0	28.0	8.1	8.1	26.8	26.8	87.6	87.5	5.9	6.0	2.2	6.0	8.1				6.0	4	4	
						5.0	0.5	176	28.0		8.1		26.8		87.4		5.9		2.3		5							
					Bottom	9.0	0.5	171	28.0	28.0	8.1	8.1	26.8	26.8	88.8	89.0	6.0	6.0	8.1	6.0	8.3				6.0	4	4	
						9.0	0.5	170	28.0		8.2		26.8		89.1		6.0		8.3		4							
C3	Sunny	Moderate	07:54	7.8	Surface	1.0	0.2	66	27.4	27.4	8.4	8.4	25.0	25.0	129.6	128.6	8.9	8.5	1.1	1.6	4	5	822121	817790				
						1.0	0.2	67	27.3		8.4		25.1		127.6		8.8		1.0		5							
					Middle	3.9	0.1	60	27.2	27.2	8.2	8.2	25.7	25.7	117.9	117.9	8.1	7.6	1.3	7.6	2.5				7.6	5	5	
						3.9	0.1	64	27.2		8.2		25.7		117.9		8.1		1.3		5							
					Bottom	6.8	0.1	42	27.1	27.1	8.2	8.2	25.9	25.9	110.8	110.6	7.6	7.6	2.5	7.6	2.5				7.6	6	5	
						6.8	0.1	45	27.1		8.2		25.9		110.4		7.6		2.5		5							
IM1	Fine	Moderate	08:06	6.1	Surface	1.0	0.3	187	28.4	28.4	8.4	8.4	27.2	27.3	125.4	125.1	8.4	7.8	1.0	4.0	4	4	818365	806480				
						1.0	0.2	186	28.4		8.4		27.3		124.8		8.3		1.0		4							
					Middle	3.1	0.3	192	28.1	28.1	8.3	8.3	28.7	28.7	107.7	107.3	7.2	5.9	1.5	5.9	10.0				5.9	4	4	
						3.1	0.4	193	28.1		8.3		28.8		106.8		7.1		1.6		4							
					Bottom	5.1	0.3	215	27.9	27.9	8.2	8.2	29.5	29.5	89.0	89.0	5.9	5.9	10.0	5.9	9.1				5.9	4	4	
						5.1	0.3	222	27.9		8.2		29.5		89.0		5.9		9.1		4							
IM2	Fine	Moderate	08:12	6.7	Surface	1.0	0.4	201	28.4	28.4	8.4	8.4	27.7	27.8	118.9	118.7	7.9	7.3	1.9	3.1	4	4	819167	806245				
						1.0	0.4	198	28.3		8.4		27.8		118.4		7.9		2.0		4							
					Middle	3.4	0.4	226	28.1	28.1	8.2	8.2	28.9	28.9	100.2	99.1	6.7	6.2	3.3	6.2	3.9				6.2	3	3	
						3.4	0.4	226	28.1		8.2		28.9		97.9		6.5		3.4		4							
					Bottom	5.7	0.5	200	28.1	28.1	8.2	8.2	29.1	29.0	92.0	92.6	6.1	7.7	3.9	7.7	3.9				7.7	3	3	
						5.7	0.4	205	28.1		8.2		29.0		93.1		6.2		3.9		3							
IM7	Fine	Moderate	08:35	8.5	Surface	1.0	0.3	207	28.7	28.7	8.5	8.5	23.9	23.9	152.9	152.4	10.4	9.6	1.7	2.8	4	3	821325	806822				
						1.0	0.4	208	28.7		8.5		23.9		151.9		10.3		1.7		4							
					Middle	4.3	0.3	207	28.4	28.4	8.5	8.5	24.1	24.1	129.9	129.1	8.8	7.7	2.0	7.7	2.5				7.7	3	3	
						4.3	0.3	207	28.4		8.5		24.1		128.3		8.7		2.1		3							
					Bottom	7.5	0.3	232	28.4	28.4	8.3	8.3	26.5	26.5	113.7	114.2	7.6	7.7	2.5	7.7	6.8				7.7	2	2	
						7.5	0.3	233	28.4		8.3		26.5		114.6		7.7		6.8		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 20 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	19:19	8.4	Surface	0.1	204	28.4	28.4	8.4	8.4	27.3	27.3	136.9	137.2	9.2	8.0	1.2	6.8	5	4	815621	804245		
						0.0	197	28.4		8.4		27.3		137.5		9.2		1.2		5					
					Middle	0.1	205	28.0	28.0	8.2	8.2	29.7	29.7	100.6	100.5	6.7	6.3	6.8	6.3	6.6	12.1			4	4
						0.1	208	28.0		8.2		29.8		100.3		6.7		6.6							
					Bottom	0.1	190	28.0	28.0	8.2	8.2	29.9	29.9	94.9	94.8	6.3	6.3	12.1	6.3	12.6	6.3			4	2
						0.1	194	28.0		8.2		29.8		94.6		6.3		12.6		2					
C2	Fine	Moderate	18:16	10.6	Surface	0.1	177	28.7	28.7	8.4	8.4	21.6	21.6	130.6	130.2	9.0	7.6	1.7	3.0	3	4	825669	806928		
						0.1	180	28.6		8.4		21.6		129.8		8.9		1.7		4					
					Middle	0.2	175	28.0	28.0	8.2	8.2	26.5	26.5	92.3	92.3	6.2	6.3	2.1	6.3	5.3	5.3			4	4
						0.1	175	28.0		8.2		26.5		92.3		6.2		2.1		4					
					Bottom	0.2	192	28.0	28.0	8.2	8.2	26.8	26.8	92.7	92.7	6.3	6.3	5.3	6.3	5.3	6.3			4	5
						0.1	189	28.0		8.2		26.8		92.7		6.3		5.3		5					
C3	Sunny	Moderate	20:00	7.6	Surface	0.1	300	27.9	27.9	8.4	8.4	24.2	24.3	150.5	149.6	10.3	9.7	1.0	1.4	5	5	822128	817780		
						0.1	295	27.9		8.4		24.3		148.7		10.2		1.1		6					
					Middle	0.1	308	27.8	27.8	8.4	8.4	24.4	24.4	136.2	134.7	9.3	8.6	1.6	8.6	1.7	8.6			4	4
						0.1	308	27.7		8.4		24.5		133.2		9.1		1.5		5					
					Bottom	0.0	275	27.7	27.7	8.4	8.4	24.7	24.6	124.8	124.9	8.6	8.6	1.7	8.6	1.7	8.6			4	5
						0.0	273	27.7		8.4		24.6		125.0		8.6		1.7		5					
IM1	Fine	Moderate	18:58	6.7	Surface	0.1	184	28.5	28.5	8.5	8.5	27.1	27.1	141.7	141.8	9.5	8.5	0.7	3.9	6	5	818343	806475		
						0.2	187	28.5		8.5		27.1		141.9		9.5		0.7		5					
					Middle	0.1	169	28.1	28.1	8.3	8.3	28.8	28.9	112.8	112.5	7.5	8.2	1.6	8.2	5	8.2			5	4
						0.2	162	28.1		8.3		29.0		112.1		7.5		1.6		5					
					Bottom	0.1	194	28.0	28.0	8.2	8.2	29.5	29.4	92.1	92.4	6.1	6.2	9.0	6.2	9.9	6.2			4	4
						0.1	199	28.0		8.2		29.4		92.6		6.2		9.9		4					
IM2	Fine	Moderate	18:52	6.6	Surface	0.1	205	28.5	28.5	8.4	8.4	27.4	27.4	129.4	128.6	8.6	8.2	1.1	4.7	4	4	819170	806212		
						0.2	197	28.5		8.4		27.4		127.7		8.5		1.2		4					
					Middle	0.1	209	28.2	28.2	8.4	8.4	28.5	28.6	117.8	117.2	7.8	5.9	5.2	5.9	7.7	5.9			4	4
						0.1	205	28.2		8.4		28.6		116.5		7.8		5.5		4					
					Bottom	0.1	200	27.9	28.0	8.2	8.2	29.7	29.6	86.9	87.5	5.8	7.4	7.7	7.4	7.3	7.4			4	3
						0.1	197	28.0		8.2		29.4		88.0		5.9		7.3		3					
IM7	Fine	Moderate	18:37	7.8	Surface	0.1	160	28.8	28.8	8.6	8.6	23.0	23.0	156.7	156.6	10.6	9.4	3.0	3.2	5	4	821360	806830		
						0.1	153	28.8		8.6		23.0		156.5		10.6		3.0		5					
					Middle	0.1	177	28.4	28.4	8.3	8.3	24.5	24.6	120.7	120.5	8.2	7.4	3.1	7.4	3.4	7.4			3	3
						0.1	181	28.4		8.3		24.6		120.2		8.2		3.2		4					
					Bottom	0.1	137	28.4	28.5	8.3	8.3	26.4	26.4	110.0	110.1	7.4	7.4	3.5	7.4	3.4	7.4			4	3
						0.1	138	28.5		8.3		26.4		110.1		7.4		3.4		3					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
IM10	Sunny	Moderate	18:18	9.0	Surface	1.0	0.0	93	28.3	28.3	8.5	8.5	21.9	21.9	150.3	10.4	10.0	10.4	1.0	1.2	4	5	822218	809845
						1.0	0.0	94	28.3		8.5		21.9		149.4	10.3		1.1			5			
					Middle	4.5	0.0	118	28.2	28.2	8.5	8.5	22.0	22.0	144.3	140.1	10.0	10.0	1.1	5				
						4.5	0.0	116	28.2		8.5		22.0		135.8		9.4	1.1	5					
					Bottom	8.0	0.0	85	28.2	28.3	8.3	8.3	22.0	21.9	132.4	135.6	9.4	9.4	1.5	5				
						8.0	0.0	84	28.3		8.4		21.8		138.8		9.6	1.5	6					
IM11	Sunny	Moderate	19:04	7.0	Surface	1.0	0.2	100	28.2	28.2	8.6	8.6	22.0	22.0	156.3	10.8	9.6	10.8	2.0	3.2	3	4	821520	810567
						1.0	0.2	105	28.2		8.6		22.0		151.0	10.4		2.1			4			
					Middle	3.5	0.2	85	28.1	28.1	8.3	8.3	23.7	23.7	124.7	124.7	8.5	8.5	3.1	5				
						3.5	0.1	83	28.1		8.3		23.7		124.6		8.5	3.2	4					
					Bottom	6.0	0.2	63	28.1	28.1	8.3	8.3	23.7	23.6	127.8	128.9	8.8	8.9	4.4	5				
						6.0	0.2	55	28.1		8.3		23.6		130.0		8.9	4.4	5					
IM12	Sunny	Moderate	19:09	6.8	Surface	1.0	0.2	101	28.2	28.2	8.6	8.6	23.2	23.2	158.0	10.8	10.2	10.8	1.1	1.4	5	6	821171	811498
						1.0	0.2	93	28.1		8.6		23.3		150.5	10.3		1.0			5			
					Middle	3.4	0.2	87	28.1	28.1	8.5	8.5	23.4	23.4	144.4	142.5	9.9	9.9	1.2	6				
						3.4	0.2	80	28.1		8.5		23.4		140.6		9.7	1.1	6					
					Bottom	5.8	0.2	72	28.1	28.1	8.4	8.4	23.4	23.3	132.5	132.7	9.1	9.1	2.2	6				
						5.8	0.2	71	28.1		8.4		23.3		132.9		9.1	2.2	7					
SR1A	Sunny	Moderate	19:29	5.0	Surface	1.0	0.0	139	28.2	28.2	8.4	8.4	23.7	23.7	139.1	9.5	9.5	9.5	1.6	1.6	6	5	819971	812655
						1.0	-	134	28.2		8.4		23.7		138.6	9.5		1.5			5			
					Middle	2.5	0.1	149	-	-	-	-	-	-	-	-	-	-	-	-				
						2.5	0.1	142	-		-		-		-		-	-	-					
					Bottom	4.0	0.0	131	28.2	28.2	8.4	8.4	23.7	23.7	142.7	143.0	9.8	9.8	1.7	4				
						4.0	0.0	134	28.2		8.4		23.7		143.3		9.8	1.7	4					
SR2	Sunny	Moderate	19:41	4.2	Surface	1.0	0.2	40	28.4	28.4	8.6	8.6	22.9	22.9	162.1	11.1	11.0	11.1	1.1	1.1	4	4	821466	814188
						1.0	0.2	43	28.4		8.6		22.9		159.3	10.9		1.0			4			
					Middle	-	0.2	29	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.2	26	-		-		-		-		-	-	-					
					Bottom	3.2	0.2	58	28.3	28.4	8.6	8.6	23.0	22.9	141.9	140.8	9.7	9.7	1.2	4				
						3.2	0.2	61	28.4		8.6		22.9		139.7		9.6	1.2	4					
SR3	Fine	Moderate	18:32	8.6	Surface	1.0	0.2	179	28.7	28.7	8.5	8.5	22.6	22.6	145.0	9.9	8.8	9.9	2.1	2.1	3	3	822150	807561
						1.0	0.1	173	28.7		8.5		22.6		144.9	9.9		1.9			3			
					Middle	4.3	0.1	166	28.4	28.4	8.3	8.3	25.2	25.2	114.7	114.7	7.8	7.7	2.3	3				
						4.3	0.1	168	28.4		8.3		25.3		114.6		7.7	2.2	3					
					Bottom	7.6	0.2	152	28.3	28.3	8.3	8.3	26.0	26.0	109.6	109.7	7.4	7.4	2.1	3				
						7.6	0.2	152	28.3		8.3		26.0		109.8		7.4	2.1	3					
SR4A	Fine	Moderate	19:41	9.1	Surface	1.0	0.0	332	28.8	28.8	8.5	8.5	25.3	25.3	126.2	8.5	8.0	8.5	3.3	3.3	3	4	817191	807829
						1.0	0.0	338	28.7		8.5		25.3		126.0	8.5		2.2			2			
					Middle	4.6	0.0	334	28.2	28.2	8.3	8.3	26.6	26.6	111.2	110.5	7.5	7.4	3.3	4				
						4.6	0.1	337	28.2		8.3		26.7		109.8		7.4	3.6	5					
					Bottom	8.1	0.0	306	28.2	28.2	8.3	8.3	28.9	28.9	102.3	102.5	6.8	6.8	4.3	5				
						8.1	0.0	300	28.2		8.3		28.9		102.6		6.8	4.2	4					
SR8	Sunny	Moderate	19:13	4.4	Surface	1.0	-	-	28.2	28.2	8.5	8.5	23.4	23.5	135.5	9.3	9.1	9.3	2.3	2.3	5	4	820368	811604
						1.0	-	-	28.1		8.5		23.5		129.7	8.9		1.8			4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-		-		-		-	-	-					
					Bottom	3.4	-	-	28.0	28.0	8.3	8.3	23.7	23.7	121.2	121.5	8.3	8.4	2.8	3				
						3.4	-	-	28.0		8.3		23.7		121.8		8.4	2.9	4					

DA: Depth-Averaged

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Water Quality Monitoring

Water Quality Monitoring Results on 23 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	11:04	7.8	Surface	1.0	0.5	211	29.8	8.9	8.9	11.8	11.8	183.0	182.8	13.0	11.4	3.2	3.7	5	5	815630	804258	
						1.0	0.5	203	29.8	8.9	8.9	11.8	11.8	182.6	182.8	13.0	11.4	3.2	3.7	5				
					Middle	3.9	0.5	222	29.0	8.7	8.7	14.8	14.8	137.8	137.5	9.8	9.8	3.0	3.7	4				
						3.9	0.5	215	28.9	8.7	8.7	14.8	14.8	137.1	137.5	9.8	9.8	3.0	3.7	5				
					Bottom	6.8	0.5	224	27.7	8.2	8.2	25.0	25.0	78.1	78.1	5.4	5.4	4.7	3.7	4				
						6.8	0.6	222	27.7	8.2	8.2	25.0	25.0	78.0	78.1	5.3	5.4	5.3	3.7	5				
C2	Sunny	Moderate	12:30	10.6	Surface	1.0	0.6	183	29.4	8.6	8.6	16.4	16.3	140.7	140.8	9.8	7.5	3.6	5.1	4	5	825696	806921	
						1.0	0.6	179	29.4	8.6	8.6	16.3	16.3	140.8	140.8	9.8	7.5	3.6	5.1	5				
					Middle	5.3	0.7	183	27.1	8.3	8.3	25.3	25.3	72.3	74.1	5.0	5.0	5.3	5.1	4				
						5.3	0.7	179	27.1	8.3	8.3	25.3	25.3	75.8	74.1	5.2	5.0	5.3	5.1	5				
					Bottom	9.6	0.6	163	26.7	8.3	8.3	26.5	26.5	65.6	65.6	4.5	4.5	6.2	5.1	5				
						9.6	0.7	167	26.7	8.3	8.3	26.5	26.5	65.6	65.6	4.5	4.5	6.3	5.1	5				
C3	Sunny	Moderate	10:57	7.6	Surface	1.0	0.2	49	29.5	8.7	8.7	15.6	15.6	144.9	143.7	10.1	9.7	1.0	1.4	5	5	822132	817794	
						1.0	0.2	47	29.5	8.7	8.7	15.6	15.6	142.5	143.7	10.0	9.7	1.0	1.4	5				
					Middle	3.8	0.2	70	29.5	8.7	8.7	16.9	16.9	135.2	135.0	9.4	9.4	1.2	1.4	5				
						3.8	0.2	76	29.5	8.7	8.7	16.8	16.9	134.8	135.0	9.3	9.4	1.1	1.4	5				
					Bottom	6.6	0.2	53	29.6	8.7	8.7	18.0	18.0	134.1	133.8	9.2	9.2	2.1	1.4	4				
						6.6	0.2	59	29.6	8.7	8.7	18.0	18.0	133.5	133.8	9.2	9.2	2.1	1.4	6				
IM1	Sunny	Moderate	11:23	6.6	Surface	1.0	0.4	196	29.9	8.7	8.7	16.0	16.0	138.9	138.9	9.6	7.0	1.5	5.8	4	5	818359	806472	
						1.0	0.4	200	29.9	8.7	8.7	16.0	16.0	138.8	138.9	9.6	7.0	1.6	5.8	5				
					Middle	3.3	0.3	208	27.4	8.2	8.2	27.0	27.0	64.0	64.1	4.4	4.4	4.5	5.8	4				
						3.3	0.3	205	27.4	8.2	8.2	27.0	27.0	64.1	64.1	4.4	4.4	4.6	5.8	4				
					Bottom	5.6	0.3	196	27.3	8.2	8.2	27.8	27.8	58.0	58.1	3.9	4.0	11.1	5.8	4				
						5.6	0.4	199	27.3	8.2	8.2	27.8	27.8	58.2	58.1	4.0	4.0	11.5	5.8	5				
IM2	Sunny	Moderate	11:29	6.8	Surface	1.0	0.5	207	29.5	8.6	8.6	17.5	17.5	128.5	128.4	8.9	6.8	1.7	4.5	6	5	819188	806244	
						1.0	0.5	206	29.4	8.6	8.6	17.6	17.5	128.3	128.4	8.9	6.8	1.7	4.5	5				
					Middle	3.4	0.5	206	27.7	8.2	8.2	26.0	26.0	68.8	68.7	4.7	4.7	1.7	4.5	5				
						3.4	0.5	208	27.7	8.2	8.2	26.0	26.0	68.6	68.7	4.7	4.7	1.6	4.5	4				
					Bottom	5.8	0.5	187	27.2	8.1	8.1	28.1	28.1	53.7	53.8	3.6	3.7	10.0	4.5	5				
						5.8	0.5	189	27.2	8.1	8.1	28.1	28.1	53.8	53.8	3.7	3.7	10.1	4.5	5				
IM7	Sunny	Moderate	11:59	7.8	Surface	1.0	0.3	219	30.0	8.8	8.8	13.1	13.1	172.2	172.1	12.1	11.2	3.0	4.0	5	5	821325	806848	
						1.0	0.3	226	30.0	8.8	8.8	13.1	13.1	171.9	172.1	12.1	11.2	3.0	4.0	5				
					Middle	3.9	0.3	234	29.6	8.7	8.7	13.6	13.6	147.0	146.1	10.4	10.3	3.6	4.0	4				
						3.9	0.2	237	29.6	8.7	8.7	13.6	13.6	145.1	146.1	10.3	10.3	3.6	4.0	4				
					Bottom	6.8	0.3	201	27.5	8.1	8.1	26.7	26.7	54.0	54.1	3.7	3.7	5.4	4.0	4				
						6.8	0.4	198	27.5	8.1	8.1	26.7	26.7	54.1	54.1	3.7	3.7	5.5	4.0	4				

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

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

Water Quality Monitoring

Water Quality Monitoring Results on **23 August 22** during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	12:10	8.4	Surface	1.0	0.5	129	29.6	8.7	8.7	15.0	15.1	157.5	156.2	11.0	9.4	3.0	4	4	822229	809822		
						1.0	0.4	131	29.5	8.7	8.7	15.2	154.8	10.9	3.0	4								
					Middle	4.2	0.5	126	28.9	8.5	8.5	17.3	115.7	8.1	4.0	4								
						4.2	0.4	129	28.8	8.4	8.5	18.9	109.8	7.6	4.1	4								
					Bottom	7.4	0.5	151	28.4	8.2	8.2	24.9	115.8	7.8	5.9	4								
						7.4	0.5	149	28.4	8.3	8.2	24.8	124.6	8.4	6.0	5								
IM11	Sunny	Moderate	12:01	8.0	Surface	1.0	0.4	120	28.6	8.6	8.6	16.6	16.5	113.0	106.8	8.0	6.5	3.1	4	4	821479	810558		
						1.0	0.4	115	28.5	8.6	8.6	16.4	100.5	7.1	3.1	4								
					Middle	4.0	0.4	109	28.4	8.2	8.2	24.9	79.1	5.4	4.0	4								
						4.0	0.4	114	28.3	8.2	8.2	25.0	79.1	5.4	4.1	4								
					Bottom	7.0	0.5	129	28.3	8.2	8.2	25.0	84.2	5.7	5.3	4								
						7.0	0.4	123	28.4	8.2	8.2	25.0	90.6	6.1	5.4	4								
IM12	Sunny	Moderate	11:54	7.2	Surface	1.0	0.5	106	29.4	8.7	8.7	15.0	15.0	146.4	144.3	10.3	9.2	3.1	5	5	821173	811531		
						1.0	0.5	110	29.4	8.7	8.7	15.1	142.1	10.0	3.1	4								
					Middle	3.6	0.4	92	29.1	8.6	8.6	17.5	119.9	8.4	4.0	4								
						3.6	0.4	98	28.9	8.5	8.6	18.0	113.7	7.9	4.1	5								
					Bottom	6.2	0.4	91	28.4	8.2	8.3	24.4	108.3	7.4	5.1	4								
						6.2	0.4	97	28.5	8.3	8.3	24.1	115.3	7.8	5.1	5								
SR1A	Sunny	Moderate	11:40	4.0	Surface	1.0	0.1	136	30.1	8.7	8.7	16.2	16.3	143.1	142.3	9.9	9.8	6.1	5	5	819978	812658		
						1.0	0.0	133	30.2	8.7	8.7	16.3	141.5	9.7	6.1	5								
					Middle	2.0	0.1	142	-	-	-	-	-	-	-	-								
						2.0	0.0	140	-	-	-	-	-	-	-	-								
					Bottom	3.0	0.0	110	30.4	8.6	8.6	18.8	128.9	8.7	7.0	5								
						3.0	0.0	108	30.5	8.6	8.6	18.3	123.2	8.4	7.1	5								
SR2	Sunny	Moderate	11:18	5.2	Surface	1.0	0.5	42	29.6	8.8	8.8	15.9	15.9	148.6	148.6	10.4	10.4	1.4	5	5	821467	814157		
						1.0	0.5	43	29.6	8.8	8.8	15.9	148.5	10.4	1.4	4								
					Middle	-	0.5	34	-	-	-	-	-	-	-	-								
						-	0.5	35	-	-	-	-	-	-	-	-								
					Bottom	4.2	0.5	43	29.6	8.8	8.8	17.6	148.8	10.3	2.4	5								
						4.2	0.6	38	29.6	8.8	8.8	17.4	148.8	10.3	2.4	5								
SR3	Sunny	Moderate	12:07	8.2	Surface	1.0	0.6	156	29.9	8.7	8.7	13.7	13.7	160.1	160.0	11.3	10.2	3.0	4	4	822124	807559		
						1.0	0.7	162	29.9	8.7	8.7	13.7	159.9	11.2	3.0	4								
					Middle	4.1	0.7	158	29.1	8.5	8.5	17.1	131.9	9.2	2.4	4								
						4.1	0.7	150	29.1	8.5	8.5	17.1	131.8	9.2	2.5	4								
					Bottom	7.2	0.7	137	27.7	8.2	8.2	24.4	69.6	4.8	10.5	4								
						7.2	0.7	137	27.7	8.2	8.2	24.4	69.6	4.8	10.5	4								
SR4A	Sunny	Moderate	10:44	8.0	Surface	1.0	0.0	57	29.7	8.7	8.7	16.3	16.3	134.5	134.4	9.4	6.3	2.6	4	4	817201	807818		
						1.0	0.0	63	29.7	8.7	8.7	16.3	134.2	9.3	2.6	4								
					Middle	4.0	0.0	77	27.7	8.1	8.1	25.1	48.8	3.3	2.9	4								
						4.0	0.1	75	27.7	8.1	8.1	25.1	48.8	3.3	3.0	4								
					Bottom	7.0	0.0	80	27.5	8.0	8.0	26.2	35.7	2.4	4.1	4								
						7.0	0.1	76	27.5	8.0	8.0	26.2	35.9	2.5	4.2	5								
SR8	Sunny	Moderate	11:49	5.0	Surface	1.0	-	-	30.1	8.7	8.7	15.8	15.8	150.1	149.1	10.4	10.3	5.0	5	5	820409	811612		
						1.0	-	-	30.2	8.7	8.7	15.8	148.1	10.2	5.0	5								
					Middle	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.0	-	-	30.4	8.7	8.7	16.3	140.1	9.6	6.3	4								
						4.0	-	-	30.4	8.7	8.7	16.1	138.9	9.5	6.4	5								

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Cloudy	Moderate	22:40	8.0	Surface	1.0	0.1	137	30.1	30.1	8.8	8.8	16.6	16.6	160.4	160.3	11.1	7.6	2.9	6.5	5	815607	804258					
						1.0	0.1	132	30.1	8.8	8.8	16.6	16.6	160.2	160.2	11.0	7.6	3.0	6.5	5								
					Middle	4.0	0.0	152	27.5	27.5	8.2	8.2	26.4	26.5	60.1	60.2	4.1	4.2	4.1	4.2	5.8			4	4	5		
						4.0	0.1	146	27.5	27.5	8.2	8.2	26.5	26.5	60.3	60.2	4.1	4.2	4.1	4.2	5.8			4				
					Bottom	7.0	0.1	152	27.3	27.3	8.1	8.0	27.9	27.9	61.9	62.0	4.2	4.2	4.2	4.2	10.7			4			5	4
						7.0	0.1	144	27.3	27.3	7.9	8.0	27.9	27.9	62.1	62.0	4.2	4.2	4.2	4.2	10.2			4				
C2	Cloudy	Moderate	21:36	10.2	Surface	1.0	0.1	298	29.6	29.6	8.6	8.6	15.5	15.5	141.1	141.1	9.9	7.8	3.1	4.5	4	825680	806935					
						1.0	0.0	291	29.6	29.6	8.6	8.6	15.4	15.5	141.1	141.1	9.9	7.8	3.2	4.5	4							
					Middle	5.1	0.0	305	27.4	27.4	8.2	8.2	24.3	24.3	80.8	80.7	5.6	4.9	5.6	4.9	4.4			4	4	4		
						5.1	0.0	300	27.4	27.4	8.2	8.2	24.4	24.3	80.6	80.7	5.6	4.9	5.6	4.9	4.5			4				
					Bottom	9.2	0.1	297	26.7	26.7	8.2	8.2	26.6	26.7	70.6	70.7	4.9	4.9	4.9	4.9	5.9			4			4	4
						9.2	0.1	291	26.7	26.7	8.2	8.2	26.7	26.7	70.8	70.7	4.9	4.9	4.9	4.9	6.1			4				
C3	Sunny	Moderate	22:31	7.6	Surface	1.0	0.0	77	29.2	29.2	8.9	8.9	18.9	18.9	164.4	164.4	11.4	10.1	1.0	3.8	4	822097	817799					
						1.0	0.1	70	29.2	29.2	8.9	8.9	18.9	18.9	164.4	164.4	11.4	10.1	1.1	3.8	4							
					Middle	3.8	0.0	71	29.1	29.1	8.8	8.7	19.8	19.9	134.5	128.6	9.3	8.5	9.3	8.5	4.9			4	4	4		
						3.8	0.1	77	29.0	29.1	8.7	8.7	20.0	19.9	122.7	128.6	8.4	8.5	8.4	8.5	4.9			4				
					Bottom	6.6	0.0	97	29.2	29.3	8.5	8.5	24.2	24.2	124.9	126.8	8.4	8.5	8.4	8.5	5.4			4			5	5
						6.6	0.1	91	29.3	29.3	8.5	8.5	24.1	24.2	128.7	126.8	8.6	8.5	8.6	8.5	5.5			4				
IM1	Cloudy	Moderate	22:22	6.2	Surface	1.0	0.1	77	30.3	30.3	8.8	8.8	14.6	14.6	162.4	162.3	11.3	7.5	1.8	4.3	5	818354	806468					
						1.0	0.1	75	30.3	30.3	8.8	8.8	14.6	14.6	162.2	162.3	11.3	7.5	1.8	4.3	5							
					Middle	3.1	0.1	72	27.8	27.8	8.1	8.1	25.5	25.5	52.3	52.4	3.6	3.7	3.6	3.7	2.6			4	4	5		
						3.1	0.1	66	27.8	27.8	8.1	8.1	25.5	25.5	52.4	52.4	3.6	3.7	3.6	3.7	2.6			4				
					Bottom	5.2	0.1	89	27.3	27.3	8.1	8.1	28.2	28.2	54.7	54.8	3.7	3.7	3.7	3.7	8.5			4			5	4
						5.2	0.1	96	27.3	27.3	8.1	8.1	28.2	28.2	54.8	54.8	3.7	3.7	3.7	3.7	8.7			4				
IM2	Cloudy	Moderate	22:16	6.7	Surface	1.0	0.1	30	29.5	29.5	8.6	8.6	18.2	18.2	128.0	128.1	8.8	6.3	2.5	4.8	4	819196	806218					
						1.0	0.1	28	29.5	29.5	8.6	8.6	18.2	18.2	128.1	128.1	8.8	6.3	2.6	4.8	4							
					Middle	3.4	0.1	55	27.7	27.7	8.1	8.1	26.1	26.1	56.1	56.1	3.8	3.6	3.8	3.6	3.5			4	4	4		
						3.4	0.1	49	27.7	27.7	8.1	8.1	26.1	26.1	56.0	56.1	3.8	3.6	3.8	3.6	3.5			4				
					Bottom	5.7	0.1	51	27.3	27.3	8.1	8.1	28.2	28.2	53.5	53.6	3.6	3.6	3.6	3.6	8.3			4			5	5
						5.7	0.1	57	27.3	27.3	8.1	8.1	28.2	28.2	53.7	53.6	3.6	3.6	3.6	3.6	8.7			4				
IM7	Cloudy	Moderate	21:54	7.7	Surface	1.0	0.1	69	30.0	30.0	8.8	8.8	13.4	13.4	191.0	191.1	13.4	13.1	3.2	4.3	5	821364	806838					
						1.0	0.1	70	30.0	30.0	8.8	8.8	13.4	13.4	191.1	191.1	13.4	13.1	3.3	4.3	5							
					Middle	3.9	0.1	97	29.6	29.6	8.8	8.8	14.6	14.6	181.2	181.1	12.7	4.1	12.7	4.1	3.5			4	5	4		
						3.9	0.1	99	29.6	29.6	8.8	8.8	14.6	14.6	180.9	181.1	12.7	4.1	12.7	4.1	3.5			4				
					Bottom	6.7	0.1	100	27.6	27.6	8.1	8.1	25.5	25.5	60.4	60.4	4.1	4.1	4.1	4.1	6.3			4			4	4
						6.7	0.2	96	27.6	27.6	8.1	8.1	25.5	25.5	60.4	60.4	4.1	4.1	4.1	4.1	6.2			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 23 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Sunny	Moderate	21:33	8.8	Surface	1.0	0.1	46	29.8	8.9	8.8	15.7	15.7	178.5	177.4	12.4	11.6	1.1	4	4	822227	809847					
						1.0	0.1	50	29.8	8.8	8.8	15.7	176.2	12.3	1.0	4											
						4.4	0.0	28	29.8	8.8	8.8	16.0	156.3	10.9	2.2	4											
						4.4	0.0	26	29.8	8.7	8.8	16.5	153.9	10.6	2.2	4											
					Middle	7.8	0.0	24	29.8	8.6	8.6	20.3	154.1	10.4	3.3	4											
						7.8	0.0	19	29.9	8.6	8.6	19.4	162.8	11.1	3.4	5											
						Bottom	1.0	0.1	62	29.6	8.9	8.9	14.0	162.8	11.5	1.1	4										
							1.0	0.1	55	29.6	8.9	8.9	14.0	158.6	11.2	1.0	4										
Middle	3.6	0.2	81	29.4	8.8	8.8	14.7	136.2	9.6	2.2	4																
	3.6	0.2	76	29.3	8.8	8.8	14.7	129.2	9.1	2.2	4																
	Bottom	6.2	0.2	88	29.2	8.4	8.4	23.5	114.0	7.7	3.2	4															
		6.2	0.2	92	29.3	8.4	8.4	23.7	119.1	8.0	3.2	4															
IM11	Sunny	Moderate	21:37	7.2	Surface	1.0	0.0	72	29.9	8.8	8.8	15.0	14.9	163.6	162.8	11.4	10.8	1.0	4	4	821182	811520					
						1.0	0.0	78	29.9	8.8	8.8	14.9	162.0	11.3	1.1	4											
						3.2	0.1	89	29.8	8.7	8.7	16.0	148.2	10.3	1.3	4											
						3.2	0.1	95	29.8	8.7	8.7	15.9	143.3	10.0	1.3	4											
					Middle	5.4	0.1	86	29.8	8.6	8.6	18.0	143.8	9.9	2.8	4											
						5.4	0.1	84	29.9	8.6	8.6	17.5	144.5	9.9	2.7	5											
						Bottom	1.0	0.0	153	30.2	8.9	8.9	16.4	168.1	11.6	5.5	4										
							1.0	0.0	153	30.2	8.9	8.9	16.4	167.4	11.5	5.6	5										
Middle	2.6	0.0	169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	819971	812665							
	2.6	0.0	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4									
	Bottom	4.2	0.0	156	30.1	8.8	8.8	16.5	158.0	10.9	6.0	4															
		4.2	0.0	158	30.2	8.8	8.8	16.5	150.2	10.4	6.1	4															
SR2	Sunny	Moderate	22:14	4.2	Surface	1.0	0.2	35	30.3	8.9	8.9	15.0	15.0	177.9	176.3	12.3	12.2	6.1	4	4	821440	814165					
						1.0	0.2	41	30.2	8.9	8.9	15.1	174.6	12.1	6.1	4											
						-	0.2	33	-	-	-	-	-	-	-	-	-	-	-				-	-	-	4	
					Middle	-	0.2	36	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	4
						3.2	0.2	13	30.1	8.9	8.9	15.2	158.8	11.0	8.0	4											
						3.2	0.2	9	30.1	8.9	8.9	15.2	156.6	10.9	8.0	4											
SR3	Cloudy	Moderate	21:49	8.4	Surface	1.0	0.0	98	29.8	8.8	8.8	13.5	13.6	189.9	189.5	13.4	10.9	3.4	4	4	822154	807589					
						1.0	0.0	92	29.7	8.8	8.8	13.7	189.1	13.3	3.5	4											
						4.2	0.1	123	28.9	8.5	8.5	18.4	120.9	8.4	2.6	4											
					Middle	4.2	0.1	125	28.8	8.5	8.5	18.4	120.7	8.4	2.8	4											
						7.4	0.1	96	28.3	8.4	8.4	19.4	99.1	6.9	4.1	4											
						7.4	0.1	91	28.2	8.4	8.4	19.8	92.6	6.5	4.1	4											
SR4A	Cloudy	Moderate	22:59	8.2	Surface	1.0	0.0	113	30.5	8.6	8.6	17.7	17.7	128.9	128.8	8.8	6.7	6.0	3	4	817205	807800					
						1.0	0.1	105	30.5	8.6	8.6	17.7	128.6	8.8	6.1	4											
						4.1	0.0	116	28.4	8.3	8.3	23.5	68.5	4.7	12.3	4											
					Middle	4.1	0.0	118	28.3	8.3	8.3	23.6	65.2	4.5	12.2	4											
						7.2	0.0	100	28.2	8.1	8.2	23.9	55.9	3.8	10.1	4											
						7.2	0.1	92	28.2	8.2	8.2	23.9	55.8	3.8	10.9	4											
SR8	Sunny	Moderate	21:45	4.0	Surface	1.0	-	-	30.4	8.8	8.8	15.7	15.7	162.2	161.6	11.2	11.2	5.6	4	4	820383	811632					
						1.0	-	-	30.4	8.8	8.8	15.7	160.9	11.1	5.6	4											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	4
						3.0	-	-	30.4	8.8	8.8	15.7	147.4	10.2	6.6	3											
						3.0	-	-	30.4	8.8	8.8	15.7	144.3	10.0	6.5	4											

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
C1	Fine	Moderate	13:11	7.5	Surface	1.0	0.6	200	28.6	28.6	8.2	8.2	21.6	21.6	87.7	87.6	6.0	5.5	5.7	19	17	815620	804230										
						1.0	0.6	197	28.6	8.2	21.6	87.5	87.6	6.0	3.7																		
					Middle	3.8	0.6	215	27.6	27.6	8.2	8.2	25.2	25.2	73.3	73.3	5.0			4.6													
						3.8	0.6	211	27.6	8.2	25.2	73.2	73.3	5.0	4.5																		
					Bottom	6.5	0.6	201	27.4	27.4	8.1	8.1	26.4	26.4	70.5	70.6	4.8			9.0													
						6.5	0.7	194	27.4	8.1	26.4	70.7	70.6	4.8	8.9																		
					C2	Fine	Moderate	14:31	11.0	Surface	1.0	0.8	172	29.2	29.3	8.2	8.2			17.5				17.4	94.2	94.3	6.6	5.8	11.7	4	6	825670	806931
											1.0	0.7	178	29.3	8.2	17.4	94.4			94.3				6.6	4.1								
Middle	5.5	0.8	154	27.8						27.8	8.1	8.1	22.1	22.1	72.5	72.4	5.0	14.5															
	5.5	0.8	155	27.8						8.1	22.1	72.3	72.4	5.0	14.6																		
Bottom	10.0	0.8	179	27.5						27.5	8.1	8.1	23.3	23.3	70.6	70.6	4.9	16.6															
	10.0	0.8	172	27.5						8.1	23.3	70.6	70.6	4.9	16.6																		
C3	Fine	Moderate	13:35	8.6						Surface	1.0	0.3	65	27.9	27.9	7.9	7.9	26.3	26.4	76.3	76.0	5.2	5.0	3.2	3	3	822121			817795			
											1.0	0.4	68	27.8	7.9	26.5	75.7	76.0	5.1	2.1													
					Middle	4.3	0.4	79	27.6	27.6	7.8	7.8	27.1	27.2	70.7	70.8	4.8	3.3															
						4.3	0.4	85	27.6	7.8	27.2	70.8	70.8	4.8	3.3																		
					Bottom	7.6	0.3	92	27.7	27.7	7.8	7.8	27.1	27.0	72.2	72.5	4.9	4.3															
						7.6	0.3	96	27.7	7.8	27.0	72.8	72.5	4.9	4.3																		
					IM1	Fine	Moderate	13:31	6.2	Surface	1.0	0.5	202	27.9	27.9	8.1	8.1	23.7	23.7	75.0	75.0	5.2			5.0			10.6	5		4	818368	806478
											1.0	0.4	194	27.9	8.1	23.7	75.0	75.0	5.2	5.4													
Middle	3.1	0.5	184	27.5						27.5	8.1	8.1	25.2	25.2	68.9	69.0	4.7	10.1															
	3.1	0.4	182	27.5						8.1	25.2	69.0	69.0	4.7	10.0																		
Bottom	5.2	0.5	197	27.5						27.5	8.1	8.1	25.7	25.7	70.0	70.0	4.8	16.4															
	5.2	0.5	193	27.5						8.1	25.7	70.0	70.0	4.8	16.4																		
IM2	Fine	Moderate	13:36	7.2						Surface	1.0	0.6	188	28.4	28.4	8.1	8.1	22.1	22.1	82.7	82.8	5.7	5.3	7.3		5	5		819205	806245			
											1.0	0.6	189	28.4	8.1	22.1	82.8	82.8	5.7	5.9													
					Middle	3.6	0.6	187	27.7	27.7	8.1	8.1	24.3	24.3	71.5	71.5	4.9	6.4															
						3.6	0.6	180	27.7	8.1	24.3	71.5	71.5	4.9	6.4																		
					Bottom	6.2	0.5	223	27.4	27.4	8.1	8.1	25.5	25.5	68.0	68.1	4.7	9.9															
						6.2	0.5	217	27.4	8.1	25.5	68.1	68.1	4.7	9.5																		
					IM7	Fine	Moderate	14:02	8.1	Surface	1.0	0.4	207	28.5	28.6	8.1	8.1	20.7	20.6	85.7	85.8	5.9			5.7	7.2		4			4	821342	806839
											1.0	0.4	208	28.6	8.1	20.6	85.9	85.8	5.9	5.2													
Middle	4.1	0.4	215	28.0						28.0	8.1	8.1	21.7	21.7	77.7	77.6	5.4	6.1															
	4.1	0.4	217	28.0						8.1	21.8	77.4	77.6	5.4	6.1																		
Bottom	7.1	0.4	227	27.8						27.8	8.1	8.1	22.6	22.6	78.0	78.1	5.4	10.3															
	7.1	0.3	233	27.8						8.1	22.6	78.2	78.1	5.4	10.5																		

DA: Depth-Averaged

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

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

Note: The monitoring session on 25 August 2022 was cancelled due to No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 in force.

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Rainy	Moderate	19:15	8.4	Surface	1.0	0.2	22	28.2	8.1	8.1	22.0	22.0	78.5	78.4	5.4	5.2	14.6	5	4	815597	804233		
						1.0	0.3	15	28.1	8.1	8.1	22.1	22.0	78.3	78.4	5.4			12.2					
					Middle	4.2	0.3	20	27.7	8.1	8.1	24.6	24.6	72.5	72.6	5.0			12.6					
						4.2	0.3	22	27.7	8.1	8.1	24.6	24.6	72.7	72.6	5.0			15.1					
					Bottom	7.4	0.2	49	27.6	8.1	8.1	25.3	25.3	71.7	72.0	4.9			15.0					
						7.4	0.2	52	27.6	8.1	8.1	25.3	25.3	72.2	72.0	5.0			16.5					
C2	Rainy	Moderate	18:22	11.2	Surface	1.0	0.4	169	29.0	8.1	8.1	16.3	16.3	96.3	96.1	6.8	5.9	11.1	2	3	825692	806941		
						1.0	0.4	163	28.9	8.1	8.1	16.3	16.3	95.9	96.1	6.8			4.6					
					Middle	5.6	0.3	162	27.8	8.1	8.1	22.2	22.3	70.9	70.8	4.9			5.2					
						5.6	0.3	155	27.8	8.1	8.1	22.3	22.3	70.6	70.8	4.9			13.7					
					Bottom	10.2	0.3	159	27.6	8.1	8.1	23.1	23.1	69.7	69.8	4.8			13.7					
						10.2	0.3	154	27.5	8.1	8.1	23.2	23.1	69.9	69.8	4.9			14.7					
C3	Fine	Moderate	19:31	7.2	Surface	1.0	0.4	249	28.5	8.1	8.1	22.6	22.5	83.0	82.9	5.7	5.7	6.3	4	4	822091	817809		
						1.0	0.4	246	28.5	8.1	8.1	22.5	22.5	82.8	82.9	5.7			5.2					
					Middle	3.6	0.5	268	28.5	8.1	8.1	24.8	24.9	83.3	83.6	5.6			5.2					
						3.6	0.4	268	28.5	8.1	8.1	24.9	24.9	83.9	83.6	5.7			6.1					
					Bottom	6.2	0.4	284	28.6	8.1	8.1	24.9	24.9	85.4	85.9	5.8			6.1					
						6.2	0.4	284	28.7	8.1	8.1	24.8	24.9	86.3	85.9	5.8			7.6					
IM1	Rainy	Moderate	19:02	6.5	Surface	1.0	0.1	13	29.1	8.1	8.1	22.7	22.7	84.0	84.0	5.7	5.3	7.4	4	4	818334	806435		
						1.0	0.1	15	29.1	8.1	8.1	22.7	22.7	83.9	84.0	5.7			4.1					
					Middle	3.3	0.1	22	27.7	8.1	8.1	24.4	24.5	69.7	69.6	4.8			4.1					
						3.3	0.0	27	27.7	8.1	8.1	24.5	24.5	69.5	69.6	4.8			7.7					
					Bottom	5.5	0.1	355	27.5	8.1	8.1	25.7	25.7	67.5	67.6	4.6			7.7					
						5.5	0.1	352	27.5	8.1	8.1	25.7	25.7	67.6	67.6	4.6			10.7					
IM2	Rainy	Moderate	18:57	6.6	Surface	1.0	0.2	256	28.9	8.2	8.2	22.0	22.0	90.7	90.6	6.2	5.8	9.5	3	3	819184	806215		
						1.0	0.2	252	28.9	8.2	8.2	22.0	22.0	90.4	90.6	6.2			6.4					
					Middle	3.3	0.2	274	27.9	8.1	8.1	23.5	23.6	76.9	76.8	5.3			6.4					
						3.3	0.2	271	27.8	8.1	8.1	23.6	23.6	76.7	76.8	5.3			9.2					
					Bottom	5.6	0.2	277	27.5	8.1	8.1	25.5	25.5	69.4	69.5	4.8			9.4					
						5.6	0.1	275	27.5	8.1	8.1	25.5	25.5	69.6	69.5	4.8			12.4					
IM7	Rainy	Moderate	18:40	7.5	Surface	1.0	0.3	254	28.4	8.1	8.1	20.8	20.8	82.9	82.9	5.7	5.5	9.7	3	4	821348	806815		
						1.0	0.3	258	28.5	8.1	8.1	20.8	20.8	82.9	82.9	5.7			6.4					
					Middle	3.8	0.3	232	27.9	8.1	8.1	21.8	21.8	76.5	76.6	5.3			6.4					
						3.8	0.4	228	27.9	8.1	8.1	21.8	21.8	76.7	76.6	5.3			10.0					
					Bottom	6.5	0.3	223	27.9	8.1	8.1	21.8	21.8	78.7	78.8	5.5			10.2					
						6.5	0.3	220	27.9	8.1	8.1	21.8	21.8	78.9	78.8	5.5			13.0					

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			
IM10	Fine	Moderate	18:26	8.8	Surface	1.0	0.2	231	29.2	29.2	8.3	8.3	21.1	21.2	93.8	93.2	6.4	6.2	4.1	5.4	3	4	822226	809843	
						1.0	0.2	233	29.1	29.2	8.3	8.3	21.2	21.2	92.6	93.2	6.3		4.1		4				
					Middle	4.4	0.1	228	29.1	29.1	8.3	8.3	21.3	21.3	88.7	88.7	6.1		5.1		4				
						4.4	0.1	226	29.1	29.1	8.3	8.3	21.3	21.3	88.7	88.7	6.1		5.1		4				
					Bottom	7.8	0.1	221	29.1	29.2	8.3	8.3	21.3	21.2	89.2	89.3	6.1		6.9		4				
						7.8	0.1	224	29.2	29.2	8.3	8.3	21.2	21.2	89.4	89.3	6.1		6.9		4				
IM11	Fine	Moderate	18:34	7.2	Surface	1.0	0.1	247	29.0	29.0	8.2	8.2	20.0	20.0	95.2	94.6	6.6	6.1	6.0	6.6	4	4	821505	810550	
						1.0	0.1	245	28.9	29.0	8.2	8.2	20.1	20.0	93.9	94.6	6.5		6.0		5				
					Middle	3.6	0.2	266	28.7	28.8	8.2	8.2	22.4	22.4	82.5	82.5	5.6		6.6		4				
						3.6	0.2	266	28.8	28.8	8.2	8.2	22.4	22.4	82.4	82.5	5.6		6.5		4				
					Bottom	6.2	0.1	272	29.0	29.1	8.2	8.2	22.3	22.2	85.7	86.0	5.8		7.1		4				
						6.2	0.1	270	29.1	29.1	8.2	8.2	22.2	22.2	86.3	86.0	5.9		7.1		4				
IM12	Fine	Moderate	18:39	7.8	Surface	1.0	0.2	296	28.7	28.7	8.1	8.1	22.4	22.4	82.6	82.5	5.7	5.7	4.8	5.3	3	4	821139	811505	
						1.0	0.2	288	28.6	28.7	8.1	8.1	22.5	22.4	82.4	82.5	5.6		4.8		4				
					Middle	3.9	0.3	271	28.5	28.5	8.1	8.1	22.7	22.7	82.6	82.8	5.7		5.1		4				
						3.9	0.4	267	28.5	28.5	8.1	8.1	22.7	22.7	82.9	82.8	5.7		5.1		4				
					Bottom	6.8	0.3	298	28.6	28.6	8.1	8.1	22.7	22.7	84.3	84.5	5.8		6.0		4				
						6.8	0.3	301	28.6	28.6	8.2	8.1	22.7	22.7	84.6	84.5	5.8		6.1		4				
SR1A	Fine	Moderate	18:54	5.2	Surface	1.0	0.1	207	29.6	29.6	8.1	8.1	21.5	21.5	93.1	92.6	6.3	6.3	4.4	5.0	4	4	819970	812655	
						1.0	0.1	213	29.6	29.6	8.1	8.1	21.5	21.5	92.1	92.6	6.2		4.4		4				
					Middle	2.6	0.0	199	-	-	-	-	-	-	-	-	-		-		-				-
						2.6	0.0	193	-	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.2	0.1	185	29.3	29.3	8.1	8.1	21.7	21.8	88.5	88.4	6.0		5.6		4				
						4.2	0.1	186	29.2	29.3	8.1	8.1	21.8	21.8	88.3	88.4	6.0		5.7		3				
SR2	Fine	Moderate	19:17	5.6	Surface	1.0	0.1	252	28.7	28.7	8.1	8.1	22.5	22.6	87.4	85.2	6.0	5.9	4.3	4.7	4	5	821476	814172	
						1.0	0.1	246	28.6	28.7	8.1	8.1	22.7	22.6	83.0	85.2	5.7		4.3		4				
					Middle	-	0.1	268	-	-	-	-	-	-	-	-	-		-		-				
						-	0.2	264	-	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.6	0.1	248	28.5	28.5	8.1	8.1	23.0	23.0	84.5	85.3	5.8		5.1		6				
						4.6	0.1	243	28.5	28.5	8.1	8.1	23.0	23.0	86.0	85.3	5.9		5.1		7				
SR3	Rainy	Moderate	18:35	8.4	Surface	1.0	0.3	165	29.4	29.4	8.1	8.1	18.8	18.9	92.8	92.7	6.4	5.9	4.6	8.6	3	3	822127	807560	
						1.0	0.3	172	29.4	29.4	8.1	8.1	18.9	18.9	92.6	92.7	6.4		4.8		3				
					Middle	4.2	0.3	176	28.0	28.0	8.1	8.1	21.6	21.6	75.9	75.9	5.3		9.5		3				
						4.2	0.3	182	28.0	28.0	8.1	8.1	21.6	21.6	75.8	75.8	5.3		10.0		3				
					Bottom	7.4	0.2	181	27.9	27.9	8.1	8.1	21.9	21.9	77.6	77.7	5.4		11.4		3				
						7.4	0.3	182	27.9	27.9	8.1	8.1	21.9	21.9	77.7	77.7	5.4		11.4		2				
SR4A	Rainy	Moderate	19:34	8.6	Surface	1.0	0.0	161	28.8	28.8	8.1	8.1	22.5	22.5	81.5	81.5	5.6	5.6	13.1	13.0	8	7	817185	807825	
						1.0	0.0	154	28.8	28.8	8.1	8.1	22.5	22.5	81.5	81.5	5.6		13.3		6				
					Middle	4.3	-	159	28.8	28.8	8.1	8.1	22.5	22.5	82.0	82.1	5.6		11.5		7				
						4.3	0.0	165	28.8	28.8	8.1	8.1	22.5	22.5	82.1	82.1	5.6		11.6		8				
					Bottom	7.6	0.0	156	28.8	28.8	8.1	8.1	22.5	22.5	83.8	83.9	5.7		14.2		7				
						7.6	0.1	150	28.8	28.8	8.1	8.1	22.5	22.5	83.9	83.9	5.7		14.2		7				
SR8	Fine	Moderate	18:45	5.2	Surface	1.0	-	-	29.9	29.9	8.2	8.2	21.5	21.5	93.1	93.0	6.3	6.3	4.6	4.8	3	3	820372	811640	
						1.0	-	-	29.8	29.9	8.2	8.2	21.5	21.5	92.8	93.0	6.3		4.6		3				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-				
						-	-	-	-	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.2	-	-	29.8	29.9	8.2	8.2	21.6	21.6	93.5	93.8	6.3		5.1		3				
						4.2	-	-	29.9	29.9	8.2	8.2	21.5	21.5	94.0	93.8	6.3		5.1		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 bold and underlined

Note: The monitoring session on 25 August 2022 was cancelled due to No. 8 Southeast Gale or Storm Signal and Strong Wind Signal No.3 in force.

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 August 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	13:32	8.4	Surface	1.0	0.3	210	<u>28.3</u>	28.3	8.0	8.0	<u>15.8</u>	15.8	<u>72.3</u>	72.3	5.2	4.9	10.2	11.4	10	8	815621	804262
						1.0	0.3	213	28.3		8.0		15.8	72.2	5.1	10.3	10							
					Middle	4.2	0.2	188	<u>28.0</u>	8.0	23.8	23.8	<u>69.0</u>	69.0	4.7	10.8	8							
						4.2	0.2	188	28.0	8.0	23.8	23.8	<u>69.0</u>	69.0	4.7	10.9	7							
					Bottom	7.4	0.3	200	<u>27.9</u>	27.9	8.0	25.6	25.4	<u>67.7</u>	67.8	4.6	13.1	6						
						7.4	0.3	198	27.9		8.0	25.3	67.8	4.6	13.3	7								
C2	Fine	Moderate	14:48	11.1	Surface	1.0	0.7	169	<u>28.4</u>	28.4	8.0	8.0	<u>13.4</u>	13.5	<u>75.6</u>	75.6	5.4	5.1	8.7	7.9	12	13	825663	806937
						1.0	0.7	168	28.4		8.0		13.6	75.6	5.4	8.7	13							
					Middle	5.6	0.7	158	<u>27.9</u>	27.9	8.0	20.3	20.5	<u>68.8</u>	69.3	4.8	7.1	14						
						5.6	0.7	152	27.9		8.0	20.7	69.7	4.9	7.1	13								
					Bottom	10.1	0.7	147	<u>27.8</u>	27.8	8.0	22.2	22.2	<u>68.4</u>	68.4	4.7	7.7	14						
						10.1	0.7	145	27.8		8.0	22.2	68.4	4.7	7.8	14								
C3	Fine	Moderate	14:18	11.0	Surface	1.0	0.4	64	<u>28.3</u>	28.3	8.1	8.1	<u>24.2</u>	24.2	<u>70.3</u>	70.4	4.8	4.7	4.3	5.1	12	14	822130	817811
						1.0	0.4	58	28.3		8.1		24.2	70.4	4.8	4.3	13							
					Middle	5.5	0.4	89	<u>27.6</u>	27.6	8.1	25.9	25.9	<u>66.8</u>	66.8	4.6	5.4	14						
						5.5	0.4	96	27.6		8.1	25.9	66.8	4.6	5.5	15								
					Bottom	10.0	0.4	88	<u>27.3</u>	27.3	8.1	26.6	26.6	<u>67.4</u>	67.6	4.6	5.6	15						
						10.0	0.4	87	27.3		8.1	26.6	67.7	4.6	5.6	14								
IM1	Fine	Moderate	13:50	6.6	Surface	1.0	0.3	194	<u>28.7</u>	28.7	8.1	8.1	<u>23.6</u>	23.6	<u>79.3</u>	79.2	5.4	5.1	4.5	8.1	8	8	818370	806477
						1.0	0.3	197	28.6		8.1		23.7	79.0	5.4	4.6	10							
					Middle	3.3	0.2	184	<u>28.1</u>	28.1	8.1	24.9	24.9	<u>68.9</u>	69.0	4.7	6.5	7						
						3.3	0.2	190	28.1		8.1	25.0	69.0	4.7	6.6	8								
					Bottom	5.6	0.2	205	<u>28.0</u>	28.0	8.1	25.4	25.4	<u>69.5</u>	69.6	4.7	13.2	7						
						5.6	0.2	202	28.0		8.1	25.4	69.6	4.7	13.3	6								
IM2	Fine	Moderate	13:55	7.1	Surface	1.0	0.3	173	<u>29.1</u>	29.1	8.1	8.1	<u>22.9</u>	22.9	<u>82.3</u>	82.2	5.6	5.4	2.8	6.2	8	9	819171	806221
						1.0	0.3	169	29.1		8.1		22.9	82.0	5.6	2.8	7							
					Middle	3.6	0.2	167	<u>28.3</u>	28.3	8.1	24.1	24.2	<u>76.1</u>	75.9	5.2	6.6	9						
						3.6	0.2	164	28.3		8.1	24.3	75.7	5.2	7.0	8								
					Bottom	6.1	0.2	162	<u>28.1</u>	28.1	8.1	24.7	24.7	<u>72.1</u>	72.2	4.9	9.0	10						
						6.1	0.2	165	28.1		8.1	24.7	72.3	4.9	8.8	10								
IM7	Fine	Moderate	14:16	7.8	Surface	1.0	0.2	163	<u>28.4</u>	28.4	8.1	8.1	<u>22.2</u>	22.2	<u>71.1</u>	71.0	4.9	4.9	6.8	9.7	6	8	821362	806844
						1.0	0.2	170	28.4		8.1		22.2	70.9	4.9	7.2	6							
					Middle	3.9	0.2	160	<u>28.1</u>	28.1	8.1	24.5	24.6	<u>70.5</u>	70.6	4.8	10.1	9						
						3.9	0.2	155	28.1		8.1	24.6	70.6	4.8	10.4	8								
					Bottom	6.8	0.3	178	<u>28.1</u>	28.1	8.1	24.9	24.8	<u>71.0</u>	71.1	4.8	11.7	11						
						6.8	0.2	172	28.1		8.1	24.8	71.2	4.8	11.6	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 30 August 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	09:32	8.5	Surface	1.0	0.5	45	28.7	8.0	8.0	13.2	13.2	80.5	80.5	5.6	5.6	5.3	12.1	9	11	815613	804231	
						1.0	0.5	46	28.7	8.0	8.0	13.2	80.5	5.6	5.3	12.2	9							
					Middle	4.3	0.6	28	28.3	8.0	8.0	25.5	25.5	74.5	74.5	5.0	5.0	5.0	5.0	11.5				10
						4.3	0.6	31	28.3	8.0	8.0	25.5	74.5	5.0	5.0	11.5	11							
					Bottom	7.5	0.5	58	28.3	8.0	8.0	28.4	28.6	68.8	68.8	4.6	4.6	4.6	4.6	10.0				15
						7.5	0.5	62	28.3	8.0	8.0	28.7	68.8	4.5	4.6	9.9	14							
C2	Fine	Moderate	08:07	11.2	Surface	1.0	0.2	336	27.9	8.0	8.0	12.5	12.5	75.5	75.5	5.5	5.5	5.2	8.2	7	8	825686	806930	
						1.0	0.2	342	27.9	8.0	8.0	12.5	75.5	5.5	5.2	8.1	6							
					Middle	5.6	0.3	344	27.4	8.0	8.0	19.7	19.7	69.0	69.0	4.9	4.9	4.9	4.9	8.0				8
						5.6	0.3	340	27.3	8.0	8.0	19.7	69.0	4.9	4.9	8.0	9							
					Bottom	10.2	0.3	333	27.3	8.0	8.0	21.6	21.7	61.8	61.8	4.3	4.3	4.3	4.3	9.4				9
						10.2	0.3	337	27.3	8.0	8.0	21.8	61.8	4.3	4.3	9.9	10							
C3	Fine	Moderate	08:32	11.8	Surface	1.0	0.6	263	28.0	8.0	8.0	23.9	23.9	68.3	68.3	4.7	4.7	4.5	2.9	11	13	822102	817783	
						1.0	0.5	268	27.9	8.0	8.0	23.9	68.3	4.7	4.5	3.0	12							
					Middle	5.9	0.5	264	26.9	8.0	8.0	27.4	27.4	60.8	60.8	4.2	4.2	4.2	4.2	7.4				13
						5.9	0.5	266	26.9	8.0	8.0	27.4	60.7	4.2	4.2	7.6	12							
					Bottom	10.8	0.6	259	26.9	8.1	8.1	27.5	27.5	61.6	61.7	4.2	4.2	4.2	4.2	10.4				14
						10.8	0.6	261	26.9	8.1	8.1	27.5	61.8	4.2	4.2	10.6	14							
IM1	Fine	Moderate	09:09	6.9	Surface	1.0	0.4	7	28.5	8.1	8.1	23.7	23.7	76.4	76.4	5.2	5.2	5.1	5.2	14	10	818370	806469	
						1.0	0.4	3	28.4	8.1	8.1	23.8	76.3	5.2	5.1	5.3	13							
					Middle	3.5	0.4	22	28.2	8.1	8.1	24.4	24.5	73.1	71.5	5.0	4.8	4.8	4.8	6.2				8
						3.5	0.4	21	28.1	8.1	8.1	24.5	69.9	4.8	4.8	6.2	9							
					Bottom	5.9	0.4	17	28.0	8.1	8.1	25.0	25.0	70.8	70.9	4.8	4.8	4.8	4.8	12.2				7
						5.9	0.4	11	28.0	8.1	8.1	25.0	71.0	4.8	4.8	12.0	7							
IM2	Fine	Moderate	09:03	7.1	Surface	1.0	0.3	0	28.5	8.1	8.1	23.8	23.8	76.1	76.0	5.2	5.2	5.0	5.8	6	5	819185	806236	
						1.0	0.3	1	28.5	8.1	8.1	23.8	75.8	5.2	5.0	6.2	7							
					Middle	3.6	0.3	357	28.2	8.1	8.1	24.0	24.0	69.5	69.5	4.7	4.7	4.7	4.7	9.7				5
						3.6	0.3	1	28.2	8.1	8.1	24.0	69.4	4.7	4.7	9.9	5							
					Bottom	6.1	0.4	25	28.2	8.1	8.1	24.2	24.2	68.7	68.7	4.7	4.7	4.7	4.7	11.0				3
						6.1	0.3	28	28.2	8.1	8.1	24.2	68.7	4.7	4.7	11.0	4							
IM7	Fine	Moderate	08:43	8.0	Surface	1.0	0.2	323	28.6	8.1	8.1	20.5	20.6	73.9	73.8	5.1	5.1	5.1	4.1	10	9	821343	806855	
						1.0	0.2	320	28.6	8.1	8.1	20.6	73.7	5.1	5.1	4.2	10							
					Middle	4.0	0.2	315	28.4	8.1	8.1	21.2	21.2	72.6	72.5	5.0	5.0	5.0	5.0	4.6				8
						4.0	0.2	310	28.4	8.1	8.1	21.2	72.4	5.0	5.0	4.6	9							
					Bottom	7.0	0.2	321	28.2	8.1	8.1	23.3	23.3	72.2	72.3	5.0	5.0	5.0	5.0	11.2				8
						7.0	0.2	324	28.2	8.1	8.1	23.3	72.4	5.0	5.0	11.2	7							

DA: Depth-Averaged

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

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

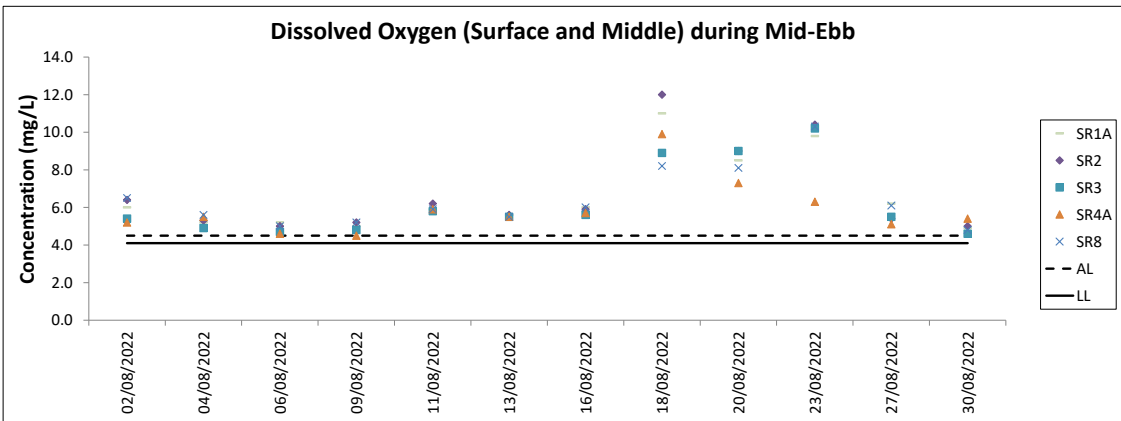
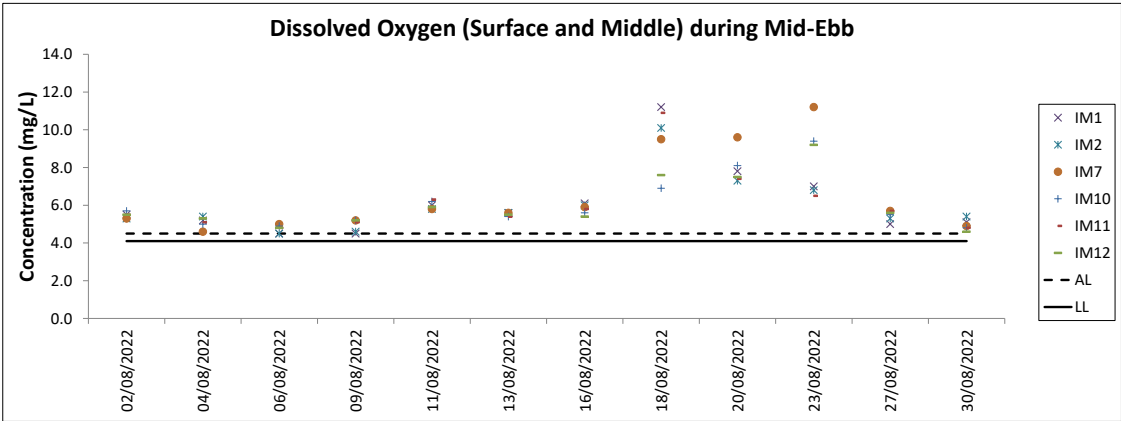
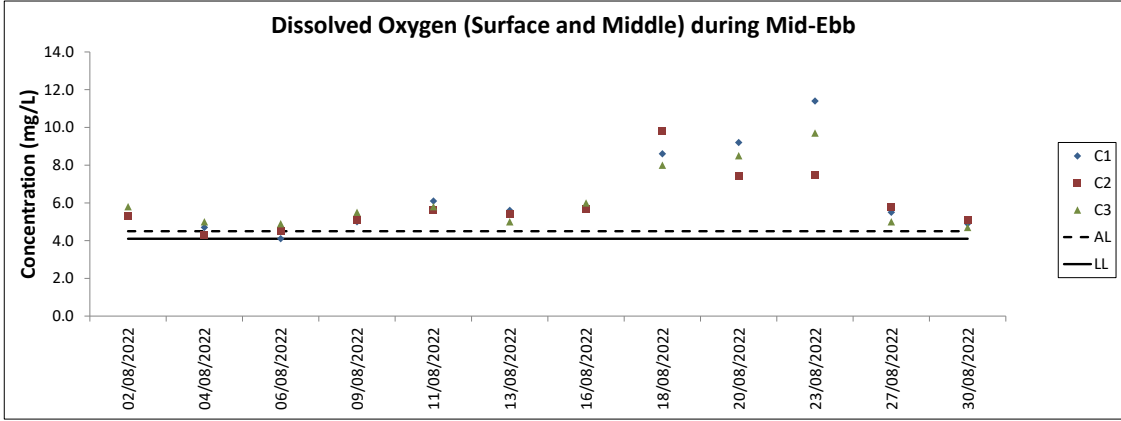
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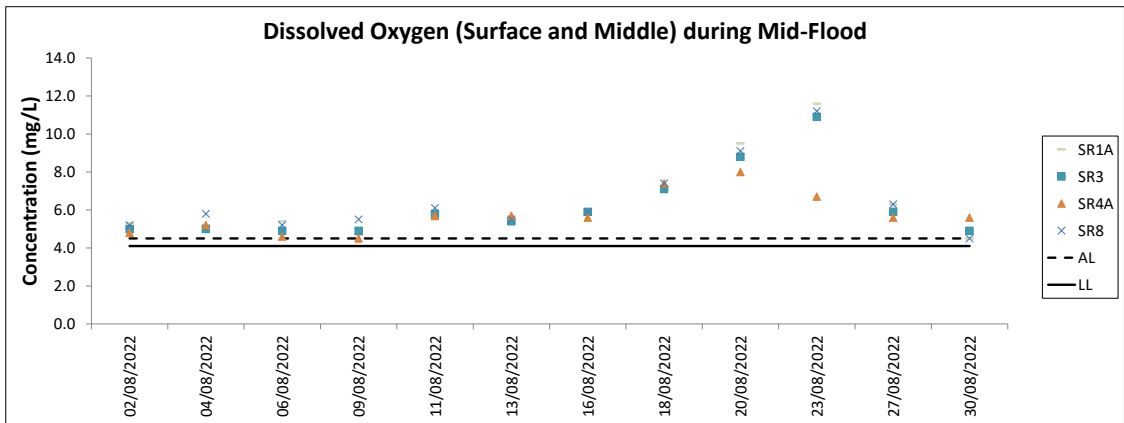
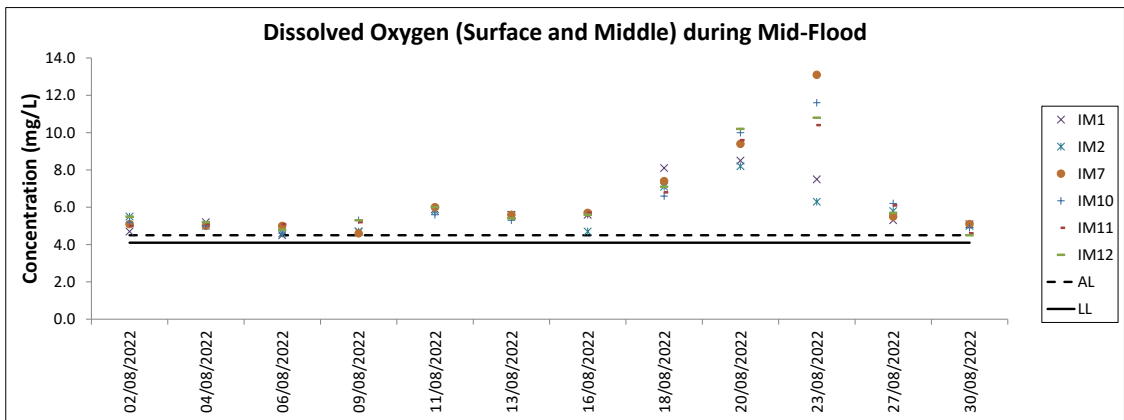
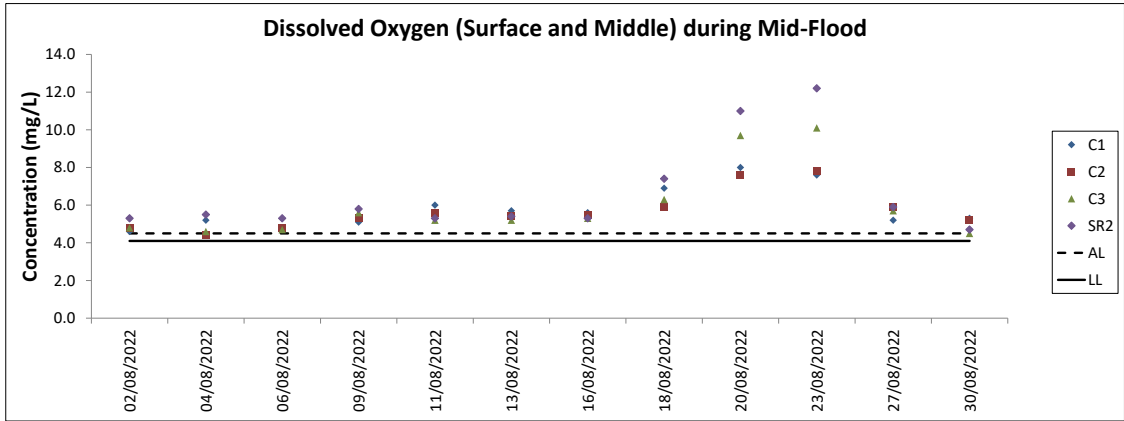
Water Quality Monitoring

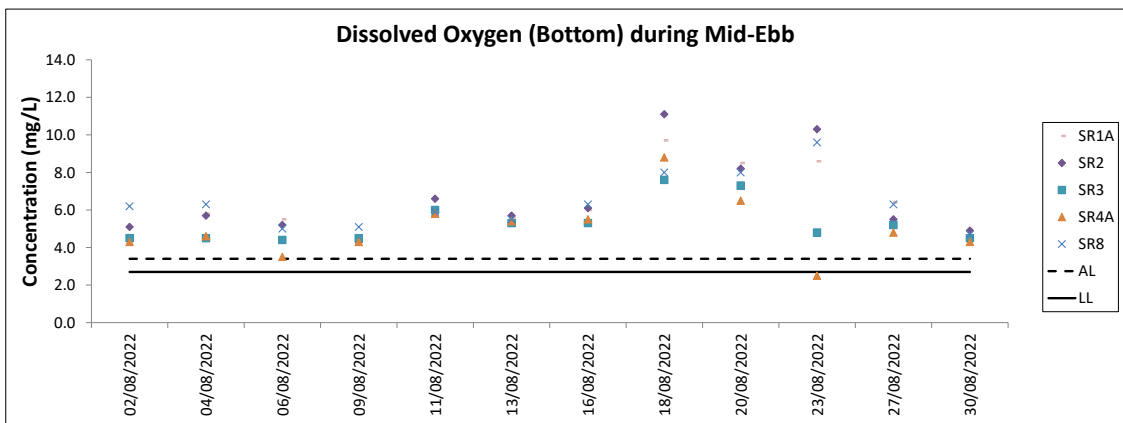
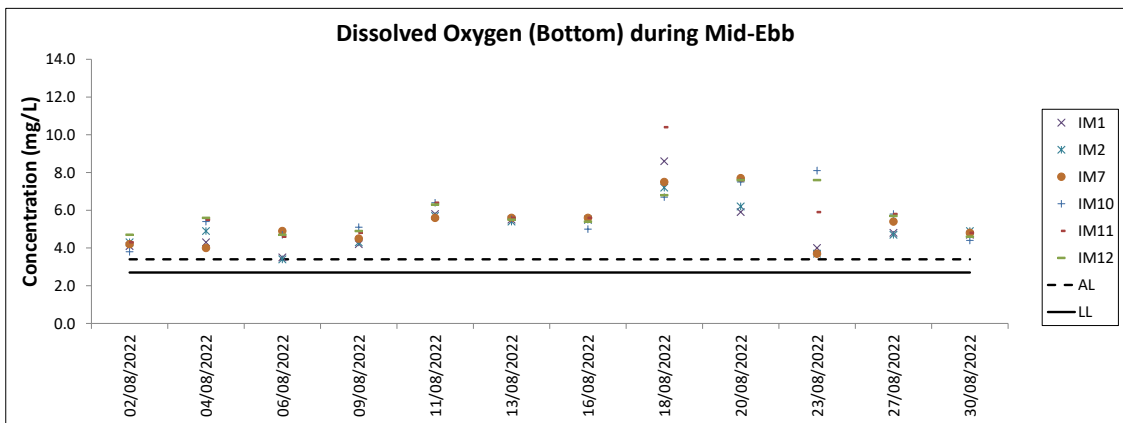
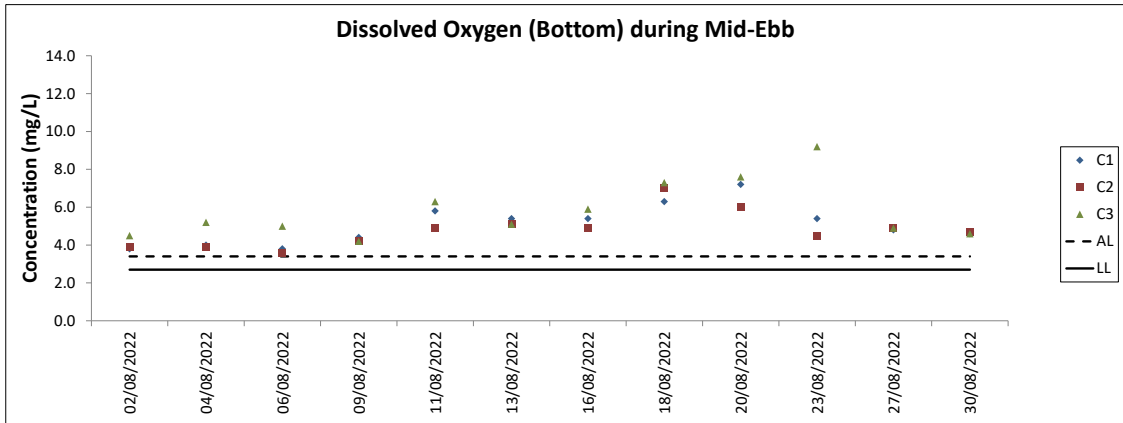
Water Quality Monitoring Results on 30 August 22 during Mid-Flood Tide

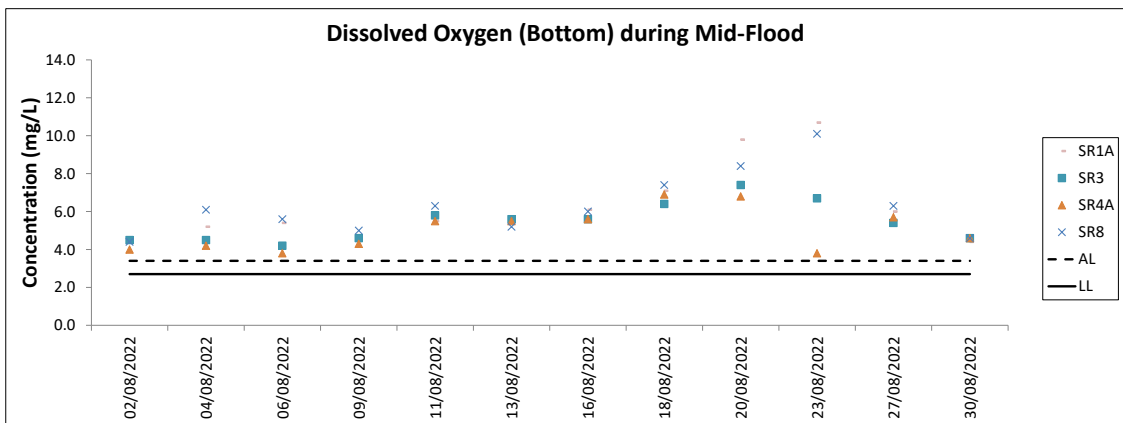
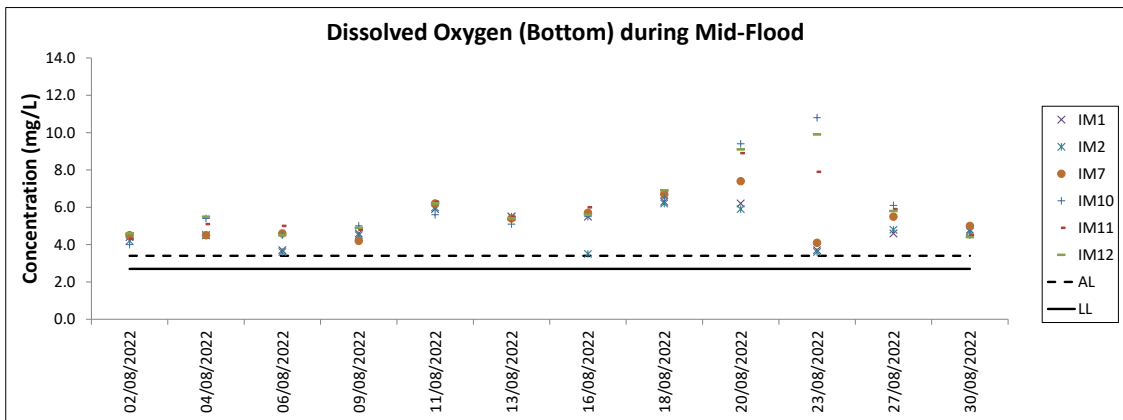
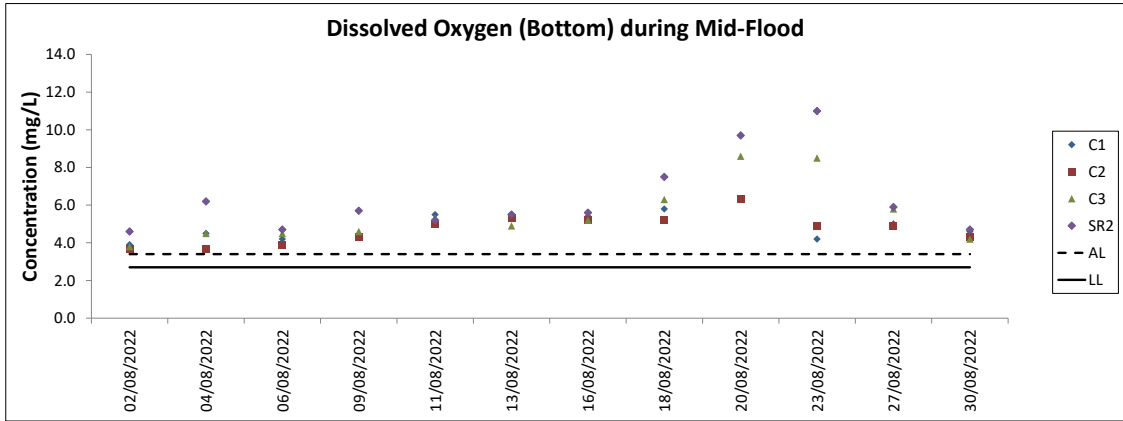
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	09:44	8.1	Surface	1.0	0.3	306	28.6	8.0	8.0	19.7	19.8	74.0	74.0	5.1	4.9	6.9	8	822227	809826			
						1.0	0.4	302	28.5	28.6	8.0	8.0	19.8	73.9	5.1	5.2								
					Middle	4.1	0.3	315	28.3	28.3	8.0	8.0	23.2	23.2	67.5	67.5	4.6					7.2		
						4.1	0.4	314	28.2	28.3	8.0	8.0	23.3	23.3	67.4	67.4	4.6					7.7		
					Bottom	7.1	0.4	303	28.1	28.1	8.0	8.0	23.7	23.7	66.1	66.2	4.5					8.1		
						7.1	0.3	307	28.1	28.1	8.0	8.0	23.7	23.7	66.2	66.2	4.5					8.1		
IM11	Fine	Moderate	09:37	8.0	Surface	1.0	0.5	286	28.3	8.0	8.0	23.3	23.3	68.3	68.3	4.7	5.7	8.3	6	821479	810549			
						1.0	0.4	289	28.3	28.3	8.0	8.0	23.3	23.3	68.2	68.3	4.7					5.7		
					Middle	4.0	0.5	284	28.2	28.2	8.0	8.0	23.5	23.5	66.6	66.5	4.6					6.9		
						4.0	0.5	280	28.2	28.2	8.0	8.0	23.6	23.6	66.3	66.5	4.5					7.0		
					Bottom	7.0	0.5	293	27.9	27.9	8.0	8.0	24.1	24.1	64.9	65.0	4.5					12.4		
						7.0	0.4	300	27.9	27.9	8.0	8.0	24.1	24.1	65.0	65.0	4.5					12.2		
IM12	Fine	Moderate	09:30	7.5	Surface	1.0	0.5	270	28.0	8.0	8.0	24.1	24.1	64.5	64.5	4.4	9.2	10.4	6	821165	811536			
						1.0	0.5	272	28.0	28.0	8.0	8.0	24.1	24.1	64.4	64.5	4.4					9.5		
					Middle	3.8	0.4	295	27.9	27.9	8.0	8.0	24.4	24.4	63.4	63.4	4.5					10.8		
						3.8	0.4	295	27.9	27.9	8.0	8.0	24.4	24.4	63.4	63.4	4.5					10.8		
					Bottom	6.5	0.5	263	27.8	27.8	8.0	8.0	24.5	24.5	63.9	64.0	4.4					11.1		
						6.5	0.5	264	27.8	27.8	8.0	8.0	24.5	24.5	64.0	64.0	4.4					11.1		
SR1A	Fine	Moderate	09:03	5.7	Surface	1.0	0.0	181	28.4	8.0	8.0	22.6	22.6	66.1	66.0	4.5	4.2	8.9	8	819982	812660			
						1.0	0.0	173	28.4	28.4	8.0	8.0	22.7	22.6	65.8	66.0	4.5					4.3		
					Middle	2.9	0.0	198	-	-	-	-	-	-	-	-	-					-	-	-
						2.9	0.0	193	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	4.7	0.0	175	28.2	28.2	8.0	8.0	23.3	23.3	64.2	64.3	4.4					13.8		
						4.7	0.0	179	28.2	28.2	8.0	8.0	23.2	23.3	64.3	64.3	4.4					13.5		
SR2	Fine	Moderate	08:49	4.7	Surface	1.0	0.1	263	28.1	8.0	8.0	23.6	23.6	67.9	68.0	4.7	10.8	11.0	7	821466	814163			
						1.0	0.1	268	28.1	28.1	8.0	8.0	23.6	23.6	68.0	68.0	4.7					10.9		
					Middle	-	0.2	266	-	-	-	-	-	-	-	-	-					-	-	-
						-	0.2	268	-	-	-	-	-	-	-	-	-					-	-	-
					Bottom	3.7	0.1	267	28.1	28.1	8.0	8.0	23.6	23.6	69.1	69.2	4.7					11.2		
						3.7	0.1	266	28.1	28.1	8.0	8.0	23.6	23.6	69.2	69.2	4.7					11.2		
SR3	Fine	Moderate	08:37	8.6	Surface	1.0	0.2	325	28.6	8.0	8.0	20.8	20.8	71.2	71.1	4.9	5.0	6.9	7	822136	807559			
						1.0	0.2	319	28.6	28.6	8.0	8.0	20.9	20.8	71.0	71.1	4.9					5.2		
					Middle	4.3	0.3	328	28.4	28.4	8.1	8.1	21.3	21.3	69.1	69.0	4.8					6.7		
						4.3	0.3	326	28.4	28.4	8.1	8.1	21.4	21.3	68.9	69.0	4.8					6.7		
					Bottom	7.6	0.3	342	28.2	28.2	8.1	8.1	23.6	23.6	66.5	66.5	4.6					9.0		
						7.6	0.2	348	28.2	28.2	8.1	8.1	23.6	23.6	66.4	66.5	4.6					9.0		
SR4A	Fine	Moderate	09:50	8.7	Surface	1.0	0.0	138	28.7	8.0	8.0	11.3	11.3	82.8	82.8	6.0	9.4	11.6	7	817176	807804			
						1.0	0.0	140	28.7	28.7	8.0	8.0	11.3	11.3	82.8	82.8	6.0					9.4		
					Middle	4.4	0.0	132	28.5	28.5	8.0	8.0	14.6	14.6	71.7	71.7	5.1					12.5		
						4.4	0.1	127	28.5	28.5	8.0	8.0	14.5	14.6	71.7	71.7	5.1					12.3		
					Bottom	7.7	0.1	127	28.4	28.4	7.9	7.9	19.9	20.0	66.4	66.4	4.6					12.9		
						7.7	0.0	121	28.4	28.4	7.9	7.9	20.0	20.0	66.4	66.4	4.6					13.3		
SR8	Fine	Moderate	09:25	5.5	Surface	1.0	-	-	28.1	8.0	8.0	24.0	24.1	65.0	65.1	4.5	11.6	12.9	7	820374	811610			
						1.0	-	-	28.0	28.1	8.0	8.0	24.1	24.1	65.1	65.1	4.5					11.6		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-					-		
						-	-	-	-	-	-	-	-	-	-	-	-					-		
					Bottom	4.5	-	-	28.0	28.0	8.0	8.0	24.3	24.3	66.5	66.6	4.6					14.3		
						4.5	-	-	28.0	28.0	8.0	8.0	24.3	24.3	66.6	66.6	4.6					14.3		

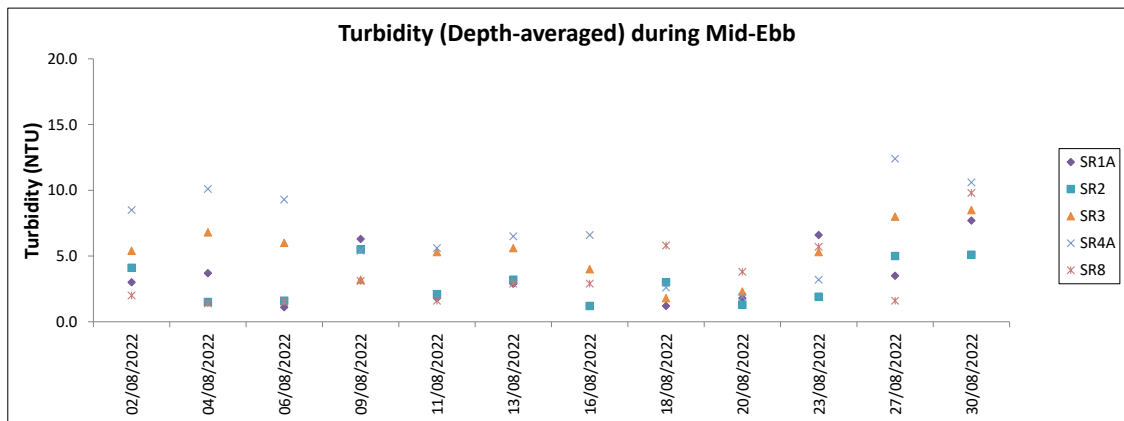
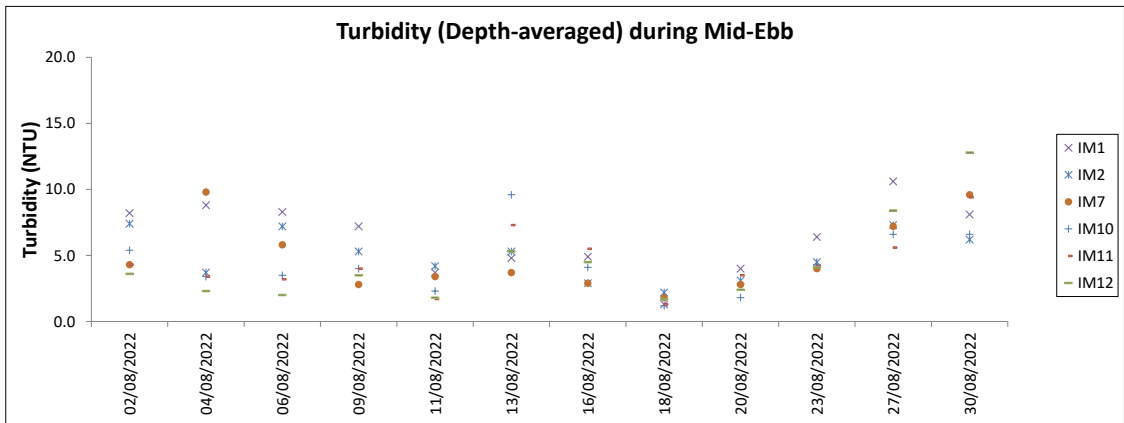
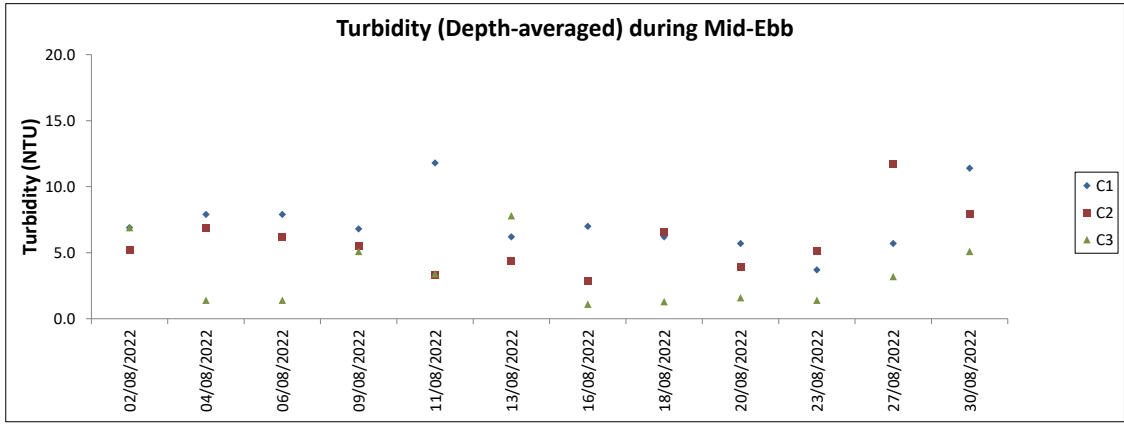
DA: Depth-Averaged
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
 Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**



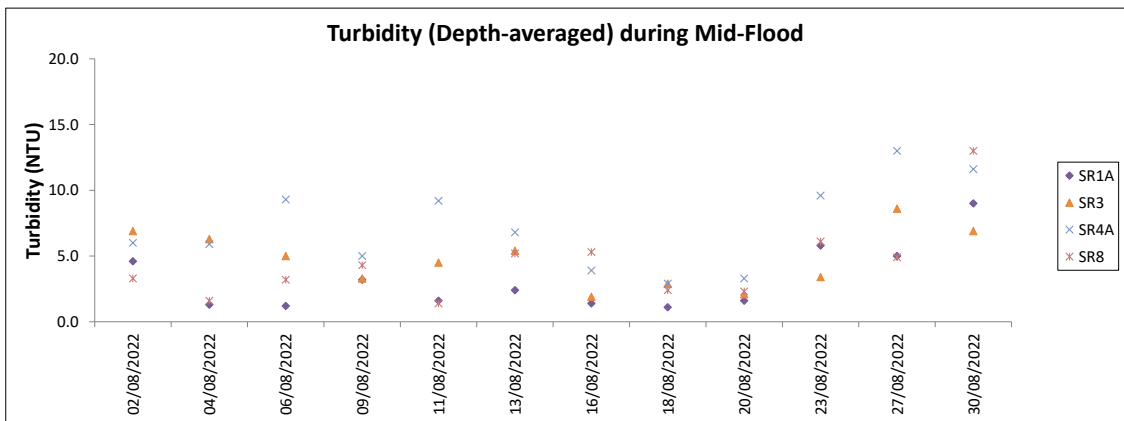
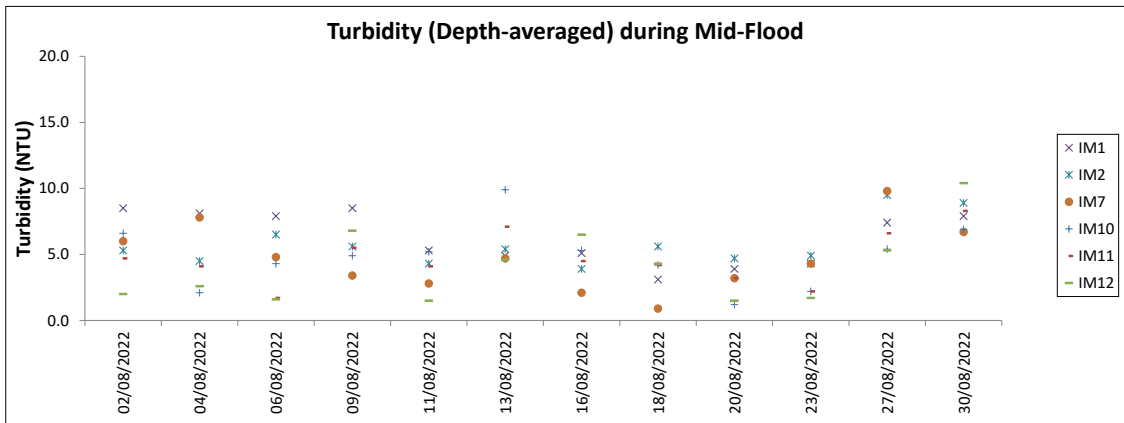
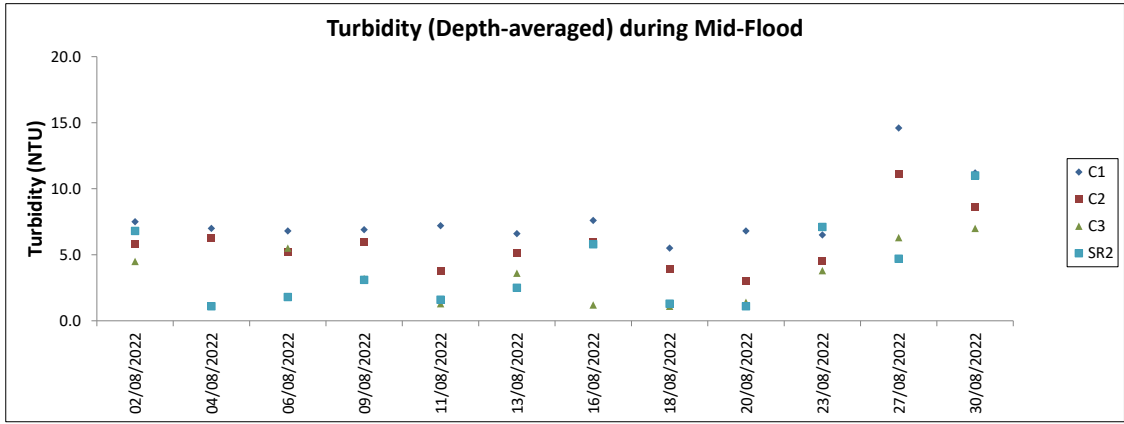




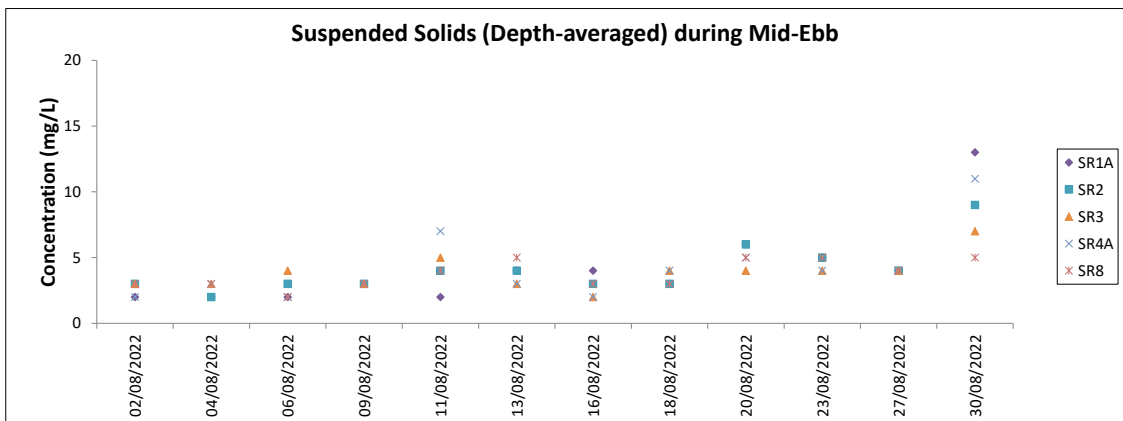
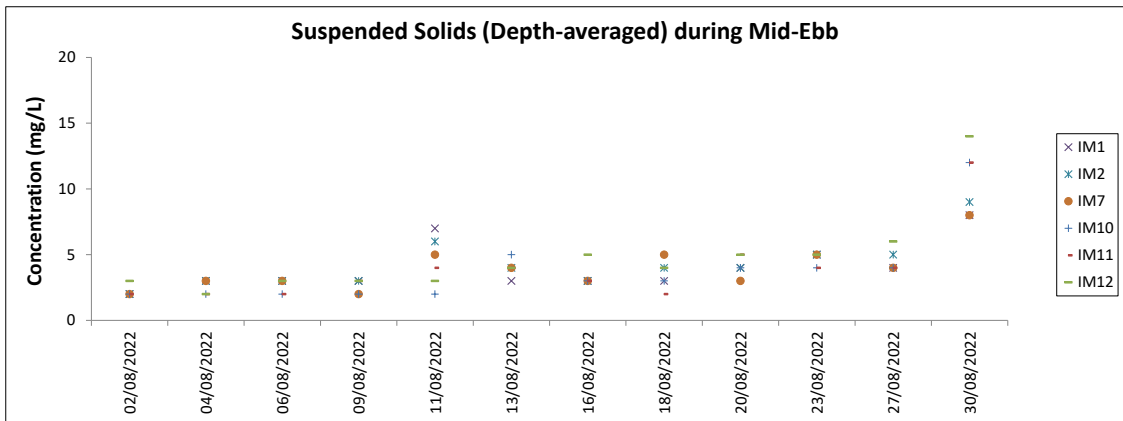
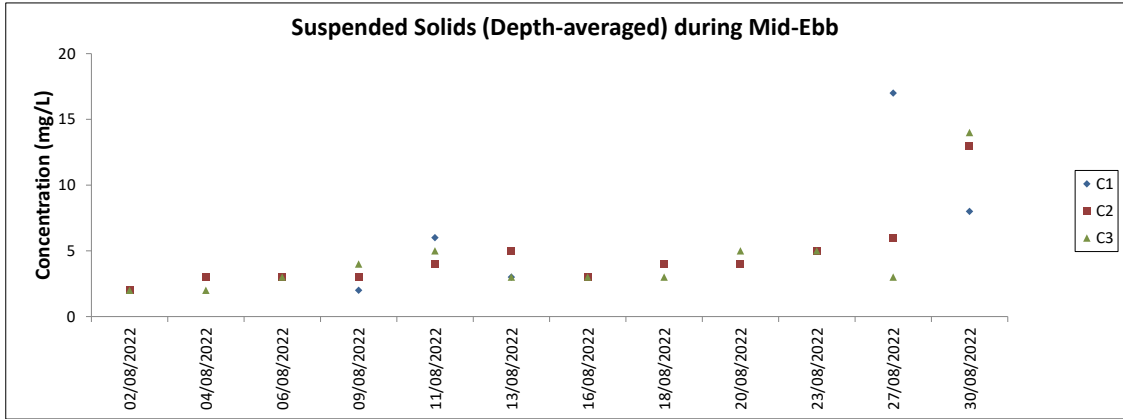




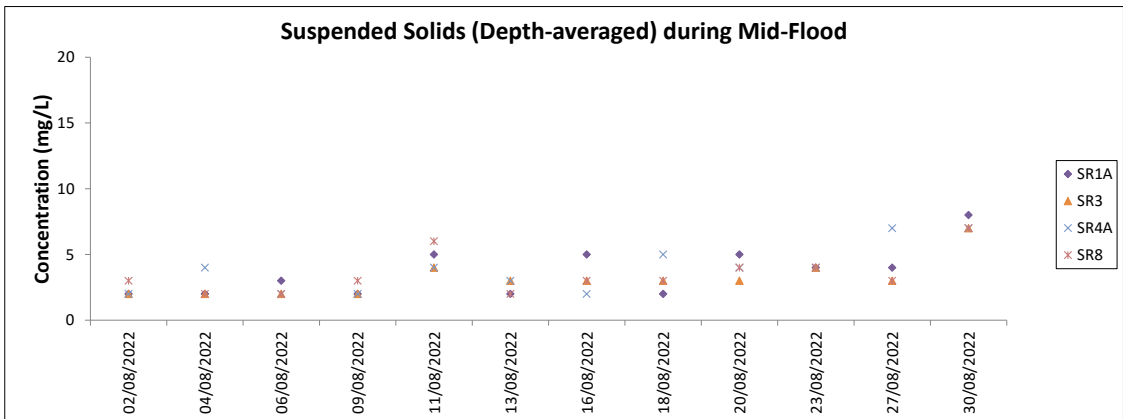
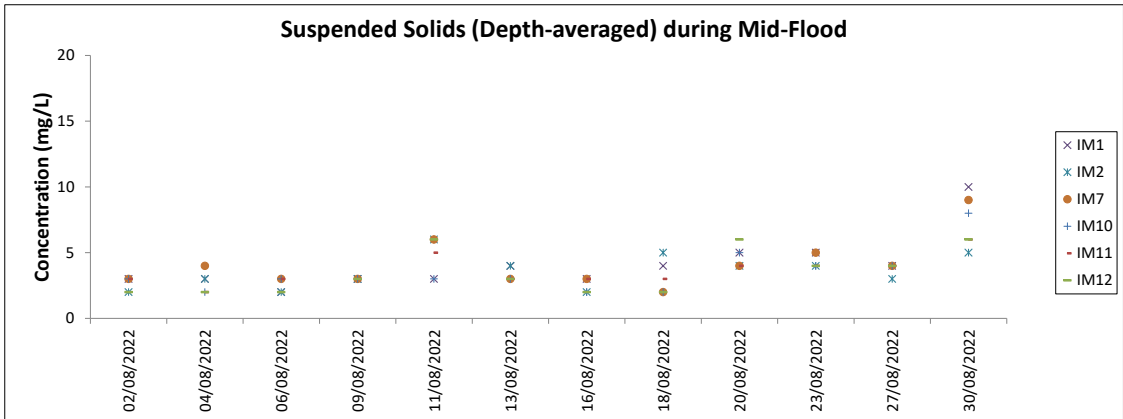
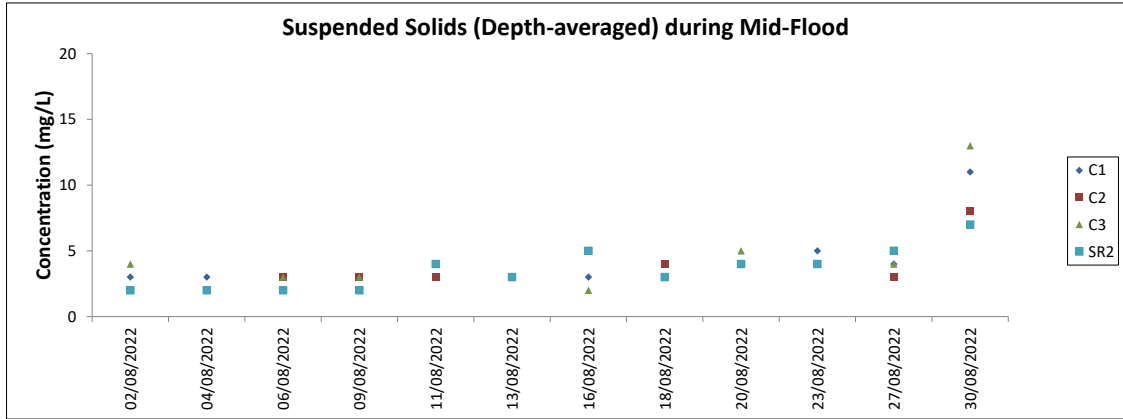
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
08-Jun-22	NEL	2	33.490	SUMMER	32166	3RS ET	P
08-Jun-22	NEL	3	4.100	SUMMER	32166	3RS ET	P
08-Jun-22	NEL	2	9.710	SUMMER	32166	3RS ET	S
10-Jun-22	NEL	2	8.150	SUMMER	32166	3RS ET	P
10-Jun-22	NEL	3	29.260	SUMMER	32166	3RS ET	P
10-Jun-22	NEL	2	2.100	SUMMER	32166	3RS ET	S
10-Jun-22	NEL	3	8.090	SUMMER	32166	3RS ET	S
13-Jun-22	NWL	3	44.400	SUMMER	32166	3RS ET	P
13-Jun-22	NWL	4	19.600	SUMMER	32166	3RS ET	P
13-Jun-22	NWL	3	8.700	SUMMER	32166	3RS ET	S
13-Jun-22	NWL	4	2.900	SUMMER	32166	3RS ET	S
16-Jun-22	NWL	2	5.000	SUMMER	32166	3RS ET	P
16-Jun-22	NWL	3	56.100	SUMMER	32166	3RS ET	P
16-Jun-22	NWL	4	2.200	SUMMER	32166	3RS ET	P
16-Jun-22	NWL	3	11.300	SUMMER	32166	3RS ET	S
16-Jun-22	NWL	4	1.200	SUMMER	32166	3RS ET	S
21-Jun-22	WL	2	2.300	SUMMER	32166	3RS ET	P
21-Jun-22	WL	3	18.350	SUMMER	32166	3RS ET	P
21-Jun-22	WL	3	10.750	SUMMER	32166	3RS ET	S
21-Jun-22	AW	3	2.840	SUMMER	32166	3RS ET	P
21-Jun-22	AW	4	2.030	SUMMER	32166	3RS ET	P
22-Jun-22	SWL	2	53.159	SUMMER	32166	3RS ET	P
22-Jun-22	SWL	2	14.980	SUMMER	32166	3RS ET	S
23-Jun-22	SWL	2	44.900	SUMMER	32166	3RS ET	P
23-Jun-22	SWL	3	1.800	SUMMER	32166	3RS ET	P
23-Jun-22	SWL	2	11.271	SUMMER	32166	3RS ET	S
23-Jun-22	SWL	3	2.000	SUMMER	32166	3RS ET	S
24-Jun-22	AW	2	4.280	SUMMER	32166	3RS ET	P
24-Jun-22	WL	2	7.205	SUMMER	32166	3RS ET	P
24-Jun-22	WL	3	11.842	SUMMER	32166	3RS ET	P
24-Jun-22	WL	2	2.828	SUMMER	32166	3RS ET	S
24-Jun-22	WL	3	7.080	SUMMER	32166	3RS ET	S
24-Jun-22	SWL	3	3.901	SUMMER	32166	3RS ET	P
24-Jun-22	SWL	3	0.965	SUMMER	32166	3RS ET	S
06-Jul-22	NEL	2	30.220	SUMMER	32166	3RS ET	P
06-Jul-22	NEL	3	6.900	SUMMER	32166	3RS ET	P
06-Jul-22	NEL	2	7.080	SUMMER	32166	3RS ET	S
06-Jul-22	NEL	3	3.200	SUMMER	32166	3RS ET	S
08-Jul-22	AW	2	4.940	SUMMER	32166	3RS ET	P
08-Jul-22	WL	2	8.670	SUMMER	32166	3RS ET	P
08-Jul-22	WL	3	9.126	SUMMER	32166	3RS ET	P
08-Jul-22	WL	4	1.270	SUMMER	32166	3RS ET	P
08-Jul-22	WL	2	3.690	SUMMER	32166	3RS ET	S
08-Jul-22	WL	3	3.935	SUMMER	32166	3RS ET	S
08-Jul-22	WL	4	2.300	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Jul-22	AW	2	5.010	SUMMER	32166	3RS ET	P
11-Jul-22	WL	2	11.940	SUMMER	32166	3RS ET	P
11-Jul-22	WL	3	5.332	SUMMER	32166	3RS ET	P
11-Jul-22	WL	2	5.710	SUMMER	32166	3RS ET	S
11-Jul-22	WL	3	4.068	SUMMER	32166	3RS ET	S
12-Jul-22	SWL	2	21.251	SUMMER	32166	3RS ET	P
12-Jul-22	SWL	3	22.070	SUMMER	32166	3RS ET	P
12-Jul-22	SWL	2	7.492	SUMMER	32166	3RS ET	S
12-Jul-22	SWL	3	5.587	SUMMER	32166	3RS ET	S
12-Jul-22	SWL	4	1.240	SUMMER	32166	3RS ET	S
13-Jul-22	SWL	2	41.213	SUMMER	32166	3RS ET	P
13-Jul-22	SWL	3	6.400	SUMMER	32166	3RS ET	P
13-Jul-22	SWL	2	13.895	SUMMER	32166	3RS ET	S
13-Jul-22	SWL	3	1.700	SUMMER	32166	3RS ET	S
15-Jul-22	NWL	2	51.300	SUMMER	32166	3RS ET	P
15-Jul-22	NWL	3	13.500	SUMMER	32166	3RS ET	P
15-Jul-22	NWL	2	9.600	SUMMER	32166	3RS ET	S
15-Jul-22	NWL	3	2.000	SUMMER	32166	3RS ET	S
19-Jul-22	NWL	2	34.900	SUMMER	32166	3RS ET	P
19-Jul-22	NWL	3	29.500	SUMMER	32166	3RS ET	P
19-Jul-22	NWL	2	5.700	SUMMER	32166	3RS ET	S
19-Jul-22	NWL	3	5.700	SUMMER	32166	3RS ET	S
25-Jul-22	NEL	2	32.950	SUMMER	32166	3RS ET	P
25-Jul-22	NEL	3	4.480	SUMMER	32166	3RS ET	P
25-Jul-22	NEL	2	8.410	SUMMER	32166	3RS ET	S
25-Jul-22	NEL	3	0.960	SUMMER	32166	3RS ET	S
02-Aug-22	SWL	1	1.000	SUMMER	32166	3RS ET	P
02-Aug-22	SWL	2	49.360	SUMMER	32166	3RS ET	P
02-Aug-22	SWL	1	0.900	SUMMER	32166	3RS ET	S
02-Aug-22	SWL	2	13.830	SUMMER	32166	3RS ET	S
03-Aug-22	SWL	2	37.908	SUMMER	32166	3RS ET	P
03-Aug-22	SWL	3	16.069	SUMMER	32166	3RS ET	P
03-Aug-22	SWL	2	13.392	SUMMER	32166	3RS ET	S
03-Aug-22	SWL	3	2.121	SUMMER	32166	3RS ET	S
05-Aug-22	NEL	2	32.840	SUMMER	32166	3RS ET	P
05-Aug-22	NEL	3	4.400	SUMMER	32166	3RS ET	P
05-Aug-22	NEL	2	9.760	SUMMER	32166	3RS ET	S
11-Aug-22	NEL	2	25.380	SUMMER	32166	3RS ET	P
11-Aug-22	NEL	3	11.030	SUMMER	32166	3RS ET	P
11-Aug-22	NEL	2	5.090	SUMMER	32166	3RS ET	S
11-Aug-22	NEL	3	5.300	SUMMER	32166	3RS ET	S
12-Aug-22	NWL	2	59.600	SUMMER	32166	3RS ET	P
12-Aug-22	NWL	3	4.100	SUMMER	32166	3RS ET	P
12-Aug-22	NWL	2	12.200	SUMMER	32166	3RS ET	S
16-Aug-22	NWL	1	2.500	SUMMER	32166	3RS ET	P
16-Aug-22	NWL	2	61.700	SUMMER	32166	3RS ET	P
16-Aug-22	NWL	1	1.000	SUMMER	32166	3RS ET	S
16-Aug-22	NWL	2	10.600	SUMMER	32166	3RS ET	S
22-Aug-22	AW	2	4.640	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
22-Aug-22	WL	2	14.811	SUMMER	32166	3RS ET	P
22-Aug-22	WL	3	3.683	SUMMER	32166	3RS ET	P
22-Aug-22	WL	2	9.049	SUMMER	32166	3RS ET	S
22-Aug-22	WL	3	0.380	SUMMER	32166	3RS ET	S
23-Aug-22	WL	2	15.132	SUMMER	32166	3RS ET	P
23-Aug-22	WL	3	2.753	SUMMER	32166	3RS ET	P
23-Aug-22	WL	2	8.498	SUMMER	32166	3RS ET	S
23-Aug-22	WL	3	1.397	SUMMER	32166	3RS ET	S
23-Aug-22	AW	2	4.810	SUMMER	32166	3RS ET	P

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
13-Jun-22	1	1214	CWD	3	NWL	3	105	ON	3RS ET	22.3813	113.8885	SUMMER	NONE	P
22-Jun-22	1	1037	FP	3	SWL	2	59	ON	3RS ET	22.1877	113.9363	SUMMER	NONE	P
22-Jun-22	2	1040	FP	11	SWL	2	130	ON	3RS ET	22.1821	113.9364	SUMMER	NONE	P
22-Jun-22	3	1044	FP	2	SWL	2	79	ON	3RS ET	22.1776	113.9364	SUMMER	NONE	P
22-Jun-22	4	1058	FP	3	SWL	2	238	ON	3RS ET	22.1418	113.9330	SUMMER	NONE	S
22-Jun-22	5	1124	FP	2	SWL	2	272	ON	3RS ET	22.1928	113.9273	SUMMER	NONE	P
22-Jun-22	6	1151	FP	4	SWL	2	126	ON	3RS ET	22.1717	113.9189	SUMMER	NONE	S
22-Jun-22	7	1246	CWD	2	SWL	2	573	ON	3RS ET	22.2123	113.8992	SUMMER	NONE	S
22-Jun-22	8	1446	CWD	2	SWL	2	890	ON	3RS ET	22.1927	113.8685	SUMMER	NONE	P
22-Jun-22	9	1508	CWD	1	SWL	2	119	ON	3RS ET	22.1967	113.8588	SUMMER	NONE	P
23-Jun-22	1	1124	CWD	1	SWL	2	61	ON	3RS ET	22.2000	113.9276	SUMMER	NONE	P
23-Jun-22	2	1140	CWD	5	SWL	2	80	ON	3RS ET	22.2055	113.9218	SUMMER	NONE	S
23-Jun-22	3	1437	CWD	1	SWL	2	291	ON	3RS ET	22.1739	113.8783	SUMMER	NONE	P
23-Jun-22	4	1457	CWD	1	SWL	2	1334	ON	3RS ET	22.1603	113.8698	SUMMER	NONE	S
23-Jun-22	5	1525	CWD	18	SWL	2	253	ON	3RS ET	22.1991	113.8607	SUMMER	NONE	S
24-Jun-22	1	1140	CWD	1	WL	2	124	ON	3RS ET	22.2142	113.8296	SUMMER	NONE	P
24-Jun-22	2	1151	CWD	2	WL	2	100	ON	3RS ET	22.2141	113.8335	SUMMER	NONE	P
24-Jun-22	3	1223	CWD	2	WL	3	495	ON	3RS ET	22.1986	113.8268	SUMMER	NONE	S
24-Jun-22	4	1237	CWD	11	WL	3	114	ON	3RS ET	22.1962	113.8295	SUMMER	NONE	P
24-Jun-22	5	1316	CWD	7	SWL	3	64	ON	3RS ET	22.1935	113.8498	SUMMER	NONE	P
24-Jun-22	6	1341	CWD	2	SWL	3	61	ON	3RS ET	22.1743	113.8499	SUMMER	NONE	P
24-Jun-22	7	1358	CWD	9	SWL	3	526	ON	3RS ET	22.1862	113.8586	SUMMER	NONE	P
08-Jul-22	1	1100	CWD	1	WL	2	301	ON	3RS ET	22.2417	113.8435	SUMMER	NONE	P
08-Jul-22	2	1148	CWD	7	WL	3	46	ON	3RS ET	22.2152	113.8332	SUMMER	NONE	P
08-Jul-22	3	1209	CWD	3	WL	3	187	ON	3RS ET	22.2104	113.8392	SUMMER	NONE	S
08-Jul-22	4	1242	CWD	13	WL	3	747	ON	3RS ET	22.1956	113.8317	SUMMER	NONE	P
11-Jul-22	1	1037	CWD	5	WL	2	1040	ON	3RS ET	22.2603	113.8451	SUMMER	NONE	P
11-Jul-22	2	1135	CWD	6	WL	3	198	ON	3RS ET	22.2147	113.8204	SUMMER	NONE	S
11-Jul-22	3	1225	CWD	1	WL	3	48	ON	3RS ET	22.1964	113.8289	SUMMER	NONE	S
11-Jul-22	4	1258	CWD	5	WL	3	69	ON	3RS ET	22.1868	113.8383	SUMMER	NONE	P
12-Jul-22	1	1019	CWD	1	SWL	2	78	ON	3RS ET	22.2218	113.9360	SUMMER	PURSE SEINER	P
12-Jul-22	2	1034	CWD	4	SWL	2	2058	ON	3RS ET	22.2081	113.9362	SUMMER	PURSE SEINER	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
12-Jul-22	3	1157	CWD	5	SWL	2	155	ON	3RS ET	22.1945	113.9275	SUMMER	NONE	P
12-Jul-22	4	1220	CWD	3	SWL	2	161	ON	3RS ET	22.2054	113.9230	SUMMER	NONE	S
12-Jul-22	5	1241	CWD	1	SWL	2	N/A	OFF	3RS ET	22.2019	113.9177	SUMMER	NONE	P
12-Jul-22	6	1245	CWD	1	SWL	2	188	ON	3RS ET	22.1950	113.9180	SUMMER	NONE	P
12-Jul-22	7	1345	CWD	1	SWL	2	162	ON	3RS ET	22.1780	113.9049	SUMMER	NONE	S
12-Jul-22	8	1354	CWD	3	SWL	3	1211	ON	3RS ET	22.1789	113.9044	SUMMER	NONE	S
12-Jul-22	9	1425	CWD	1	SWL	2	131	ON	3RS ET	22.1976	113.8969	SUMMER	NONE	P
12-Jul-22	10	1440	CWD	1	SWL	2	48	ON	3RS ET	22.1891	113.8969	SUMMER	NONE	P
12-Jul-22	11	1518	CWD	1	SWL	3	173	ON	3RS ET	22.1612	113.8877	SUMMER	NONE	P
12-Jul-22	12	1537	CWD	3	SWL	3	136	ON	3RS ET	22.1871	113.8872	SUMMER	NONE	P
12-Jul-22	13	1604	CWD	2	SWL	2	809	ON	3RS ET	22.2025	113.8780	SUMMER	NONE	P
12-Jul-22	14	1626	CWD	1	SWL	2	255	ON	3RS ET	22.1867	113.8786	SUMMER	NONE	P
12-Jul-22	15	1650	CWD	1	SWL	3	193	ON	3RS ET	22.1642	113.8686	SUMMER	NONE	P
12-Jul-22	16	1705	CWD	1	SWL	3	29	ON	3RS ET	22.1702	113.8686	SUMMER	NONE	P
13-Jul-22	1	1037	FP	3	SWL	2	308	ON	3RS ET	22.1938	113.9367	SUMMER	NONE	P
13-Jul-22	2	1113	FP	4	SWL	2	93	ON	3RS ET	22.1658	113.9276	SUMMER	NONE	P
13-Jul-22	3	1231	CWD	1	SWL	2	141	ON	3RS ET	22.1811	113.9037	SUMMER	NONE	S
13-Jul-22	4	1254	CWD	5	SWL	2	216	ON	3RS ET	22.1973	113.9083	SUMMER	PURSE SEINER	P
13-Jul-22	5	1332	CWD	1	SWL	2	173	ON	3RS ET	22.1813	113.8982	SUMMER	NONE	P
13-Jul-22	6	1350	CWD	4	SWL	2	402	ON	3RS ET	22.1746	113.8972	SUMMER	NONE	P
13-Jul-22	7	1445	CWD	2	SWL	2	161	ON	3RS ET	22.1859	113.8879	SUMMER	NONE	P
13-Jul-22	8	1547	CWD	2	SWL	2	52	ON	3RS ET	22.1617	113.8699	SUMMER	NONE	S
13-Jul-22	9	1610	CWD	1	SWL	2	277	ON	3RS ET	22.1933	113.8677	SUMMER	NONE	P
13-Jul-22	10	1651	CWD	1	SWL	2	89	ON	3RS ET	22.1874	113.8492	SUMMER	NONE	P
02-Aug-22	1	1432	CWD	2	SWL	2	59	ON	3RS ET	22.1841	113.8680	SUMMER	NONE	P
02-Aug-22	2	1507	CWD	15	SWL	2	80	ON	3RS ET	22.1795	113.8497	SUMMER	PURSE SEINER	P
03-Aug-22	1	1311	FP	1	SWL	3	61	ON	3RS ET	22.1528	113.8974	SUMMER	NONE	P
03-Aug-22	2	1433	CWD	4	SWL	2	194	ON	3RS ET	22.1988	113.8683	SUMMER	NONE	P
03-Aug-22	3	1522	CWD	1	SWL	2	21	ON	3RS ET	22.1893	113.8493	SUMMER	NONE	P
22-Aug-22	1	1039	CWD	1	WL	2	42	ON	3RS ET	22.2615	113.8551	SUMMER	NONE	S
22-Aug-22	2	1125	CWD	3	WL	2	345	ON	3RS ET	22.2418	113.8320	SUMMER	NONE	P
22-Aug-22	3	1136	CWD	1	WL	2	10	ON	3RS ET	22.2418	113.8295	SUMMER	NONE	P
22-Aug-22	4	1212	CWD	4	WL	2	19	ON	3RS ET	22.2144	113.8309	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
22-Aug-22	5	1246	CWD	3	WL	2	313	ON	3RS ET	22.2007	113.8245	SUMMER	NONE	S
22-Aug-22	6	1312	CWD	1	WL	3	11	ON	3RS ET	22.1869	113.8327	SUMMER	NONE	P
23-Aug-22	1	1118	CWD	3	WL	2	98	ON	3RS ET	22.2326	113.8360	SUMMER	NONE	P
23-Aug-22	2	1141	CWD	8	WL	2	416	ON	3RS ET	22.2226	113.8353	SUMMER	NONE	P
23-Aug-22	3	1206	CWD	1	WL	2	40	ON	3RS ET	22.2141	113.8262	SUMMER	NONE	P
23-Aug-22	4	1226	CWD	1	WL	2	1368	ON	3RS ET	22.2059	113.8236	SUMMER	NONE	P
23-Aug-22	5	1242	CWD	9	WL	2	363	ON	3RS ET	22.1956	113.8350	SUMMER	NONE	P
23-Aug-22	6	1317	CWD	9	WL	3	251	ON	3RS ET	22.1873	113.8356	SUMMER	NONE	P

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 445.233 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 16 on-effort sightings and total number of 66 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2022 are shown as below:

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

$$STG = \frac{16}{445.233} \times 100 = 3.59$$

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

$$ANI = \frac{66}{445.233} \times 100 = 14.82$$

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

A total of 1294.513 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 63 on-effort sightings and total number of 221 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)









$$STG = \frac{63}{1294.513} \times 100 = 4.87$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{221}{1294.513} \times 100 = 17.07$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM003_20220802_1_4	SLMM037_20220802_1_5
	
SLMM014_20220802_2_3	SLMM037_20220802_2_6
	
SLMM044_20220802_2_3	SLMM049_20220802_2_8
	
SLMM052_20220802_2_2	WLMM004_20220802_2_8

	
WLMM056_20220802_2_4	WLMM063_20220802_2_2
	
WLMM067_20220802_2_2	WLMM079_20220802_2_3
	
WLMM109_20220802_2_1	WLMM135_20220802_2_12
	
WLMM056_20220803_3_9	NLMM039_20220822_2_2



NLMM040_20220822_4_4



SLMM075_20220822_4_2



SLMM076_20220822_4_1



NLMM015_20220823_2_3



NLMM016_20220823_2_1










WLMM067_20220823_2_2



WLMM092_20220823_2_3



WLMM067_20220823_3_3

	
SLMM035_20220823_5_1	WLMM007_20220823_5_1
	
WLMM029_20220823_5_2	WLMM063_20220823_5_4
	
WLMM151_20220823_5_3	SLMM023_20220823_6_5
	
SLMM059_20220823_6_2	

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
22/Aug/22	Sha Chau	10:59	16:59	6:00	2-3	2	0	NA
29/Aug/02	Lung Kwu Chau	8:48	14:48	6:00	2	3	0	NA

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