

Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

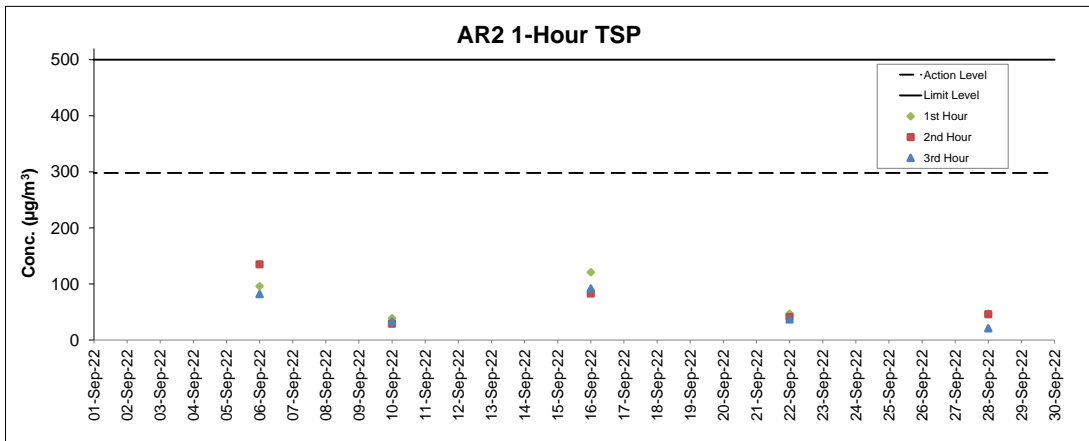
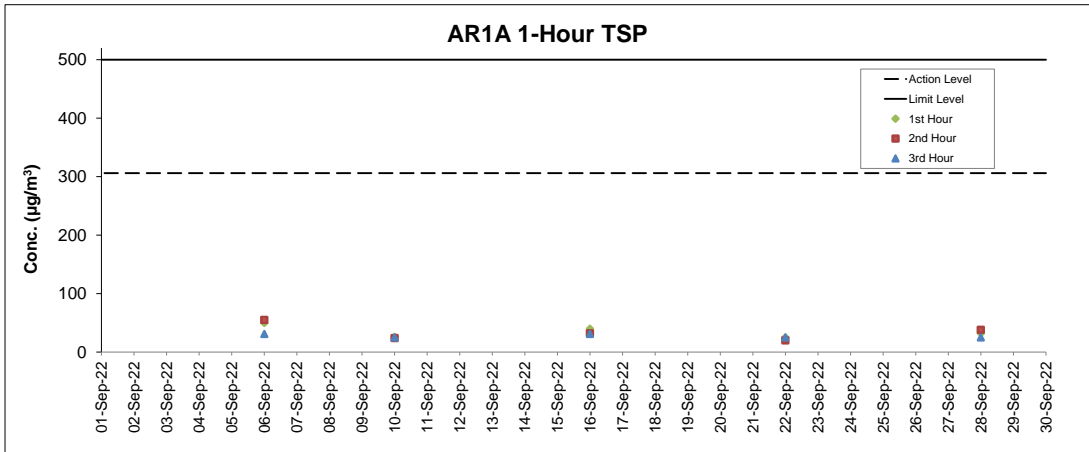
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
06-Sep-22	13:05	Sunny	3.3	273	50	306	500
06-Sep-22	14:05	Sunny	4.2	249	55	306	500
06-Sep-22	15:05	Sunny	4.7	102	31	306	500
10-Sep-22	13:19	Sunny	4.7	266	26	306	500
10-Sep-22	14:19	Sunny	5.0	241	24	306	500
10-Sep-22	15:19	Sunny	3.9	51	25	306	500
16-Sep-22	14:30	Sunny	3.3	334	40	306	500
16-Sep-22	15:30	Sunny	3.3	269	32	306	500
16-Sep-22	16:30	Sunny	4.7	243	31	306	500
22-Sep-22	15:32	Sunny	5.3	105	25	306	500
22-Sep-22	16:32	Sunny	6.4	99	20	306	500
22-Sep-22	17:32	Sunny	5.3	103	25	306	500
28-Sep-22	9:05	Sunny	8.6	86	32	306	500
28-Sep-22	10:05	Sunny	7.8	83	38	306	500
28-Sep-22	11:05	Sunny	8.9	77	25	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
06-Sep-22	8:38	Sunny	1.9	70	96	298	500
06-Sep-22	9:38	Sunny	2.8	51	135	298	500
06-Sep-22	11:04	Sunny	2.5	58	82	298	500
10-Sep-22	8:35	Sunny	1.4	Variable	39	298	500
10-Sep-22	9:35	Sunny	2.8	233	29	298	500
10-Sep-22	10:35	Sunny	3.3	267	33	298	500
16-Sep-22	10:50	Sunny	3.3	272	121	298	500
16-Sep-22	11:50	Sunny	3.6	265	83	298	500
16-Sep-22	12:50	Sunny	3.6	267	92	298	500
22-Sep-22	10:44	Sunny	5.8	105	47	298	500
22-Sep-22	11:44	Sunny	7.2	103	41	298	500
22-Sep-22	13:45	Sunny	4.4	102	37	298	500
28-Sep-22	13:07	Sunny	8.9	101	47	298	500
28-Sep-22	14:07	Sunny	10.0	104	46	298	500
28-Sep-22	15:07	Sunny	8.9	103	21	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) ^
06-Sep-22	Sunny	12:30	62.0	55.0	61
06-Sep-22	Sunny	12:35	62.0	54.3	
06-Sep-22	Sunny	12:40	61.2	54.7	
06-Sep-22	Sunny	12:45	60.3	54.8	
06-Sep-22	Sunny	12:50	60.3	54.3	
06-Sep-22	Sunny	12:55	59.5	54.4	62
16-Sep-22	Sunny	15:08	64.0	53.3	
16-Sep-22	Sunny	15:13	60.9	52.8	
16-Sep-22	Sunny	15:18	60.5	53.0	
16-Sep-22	Sunny	15:23	60.1	52.6	
16-Sep-22	Sunny	15:28	56.8	52.2	
16-Sep-22	Sunny	15:33	60.3	53.0	62
22-Sep-22	Sunny	15:07	57.4	52.7	
22-Sep-22	Sunny	15:12	61.4	53.7	
22-Sep-22	Sunny	15:17	60.4	53.1	
22-Sep-22	Sunny	15:22	61.6	53.4	
22-Sep-22	Sunny	15:27	60.3	52.4	
22-Sep-22	Sunny	15:32	56.4	52.6	59
28-Sep-22	Sunny	10:15	59.0	54.2	
28-Sep-22	Sunny	10:20	61.4	53.7	
28-Sep-22	Sunny	10:25	56.9	52.9	
28-Sep-22	Sunny	10:30	59.0	52.6	
28-Sep-22	Sunny	10:35	57.5	52.5	
28-Sep-22	Sunny	10:40	55.7	51.8	

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) ^
02-Sep-22	Sunny	09:21	64.9	60.9	60*
02-Sep-22	Sunny	09:26	66.4	62.2	
02-Sep-22	Sunny	09:31	63.8	60.7	
02-Sep-22	Sunny	09:36	66.3	61.0	
02-Sep-22	Sunny	09:41	67.0	61.8	
02-Sep-22	Sunny	09:46	65.6	61.9	64*
09-Sep-22	Sunny	08:21	63.4	60.7	
09-Sep-22	Sunny	08:26	69.4	59.3	
09-Sep-22	Sunny	08:31	71.7	58.9	
09-Sep-22	Sunny	08:36	63.2	58.8	
09-Sep-22	Sunny	08:41	63.0	58.5	63
09-Sep-22	Sunny	08:46	61.6	58.1	
15-Sep-22	Sunny	08:19	60.9	53.3	
15-Sep-22	Sunny	08:24	61.2	53.9	
15-Sep-22	Sunny	08:29	61.5	53.1	
15-Sep-22	Sunny	08:34	61.7	52.7	64*
15-Sep-22	Sunny	08:39	58.9	53.4	
15-Sep-22	Sunny	08:44	59.2	52.7	
23-Sep-22	Sunny	11:21	63.5	58.8	
23-Sep-22	Sunny	11:26	62.2	60.4	
23-Sep-22	Sunny	11:31	62.9	60.8	
23-Sep-22	Sunny	11:36	66.5	60.9	
23-Sep-22	Sunny	11:41	63.0	60.7	
23-Sep-22	Sunny	11:46	62.5	60.5	

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 ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
06-Sep-22	Sunny	09:53	55.2	49.2	53*
06-Sep-22	Sunny	09:58	62.0	53.7	
06-Sep-22	Sunny	10:03	56.8	50.5	
06-Sep-22	Sunny	10:08	67.4	47.6	
06-Sep-22	Sunny	10:13	52.1	47.6	
06-Sep-22	Sunny	10:18	52.1	47.4	
16-Sep-22	Sunny	09:41	53.1	45.2	62*
16-Sep-22	Sunny	09:46	59.5	49.1	
16-Sep-22	Sunny	09:51	51.9	46.5	
16-Sep-22	Sunny	09:56	50.4	45.7	
16-Sep-22	Sunny	10:01	51.8	47.5	
16-Sep-22	Sunny	10:06	50.7	47.2	
22-Sep-22	Sunny	09:51	51.1	46.9	58
22-Sep-22	Sunny	09:56	52.0	47.3	
22-Sep-22	Sunny	10:01	54.8	48.2	
22-Sep-22	Sunny	10:06	50.1	46.5	
22-Sep-22	Sunny	10:11	62.0	46.7	
22-Sep-22	Sunny	10:16	54.0	48.6	
28-Sep-22	Sunny	13:14	55.1	49.9	56
28-Sep-22	Sunny	13:19	56.8	49.7	
28-Sep-22	Sunny	13:24	53.1	48.9	
28-Sep-22	Sunny	13:29	52.9	49.2	
28-Sep-22	Sunny	13:34	57.3	49.8	
28-Sep-22	Sunny	13:39	53.5	49.1	

Remarks:

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

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

Noise Measurement Results

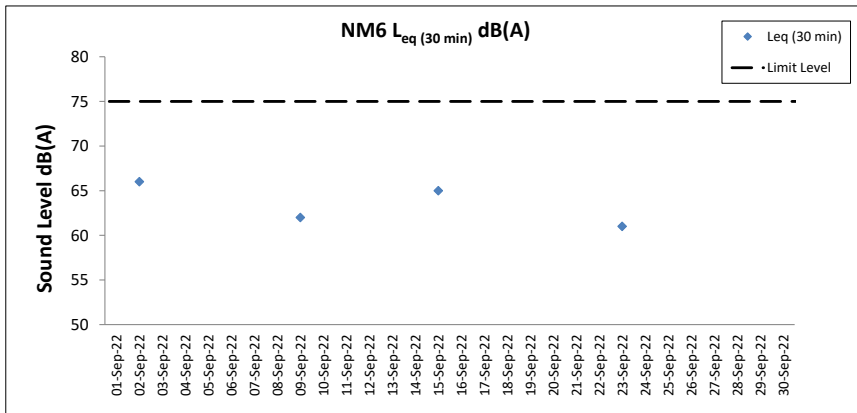
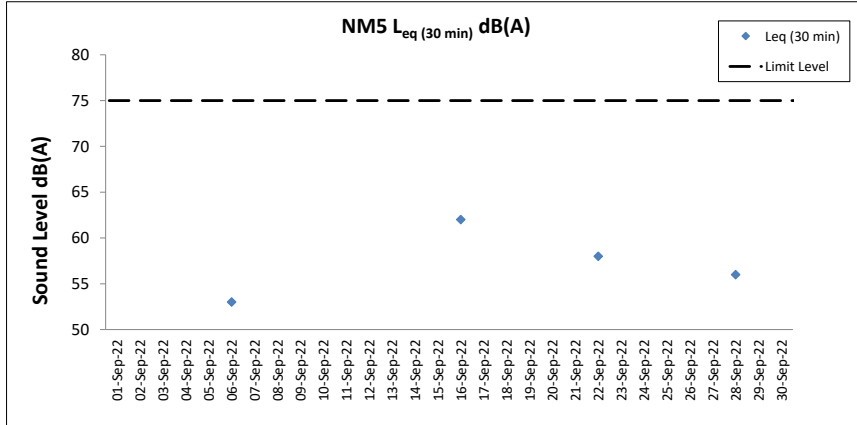
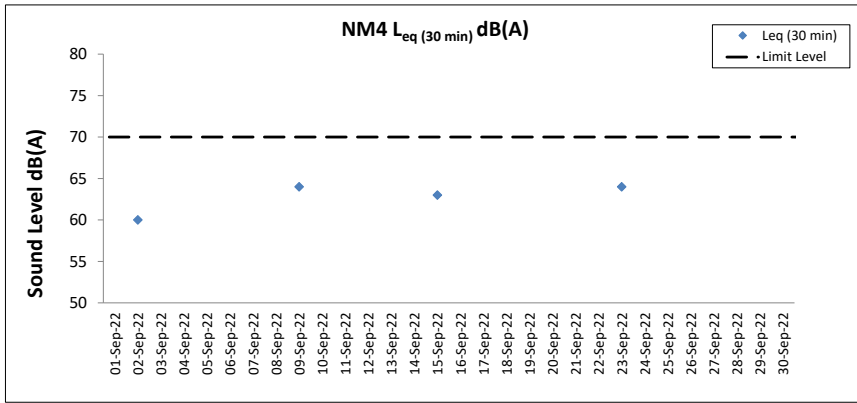
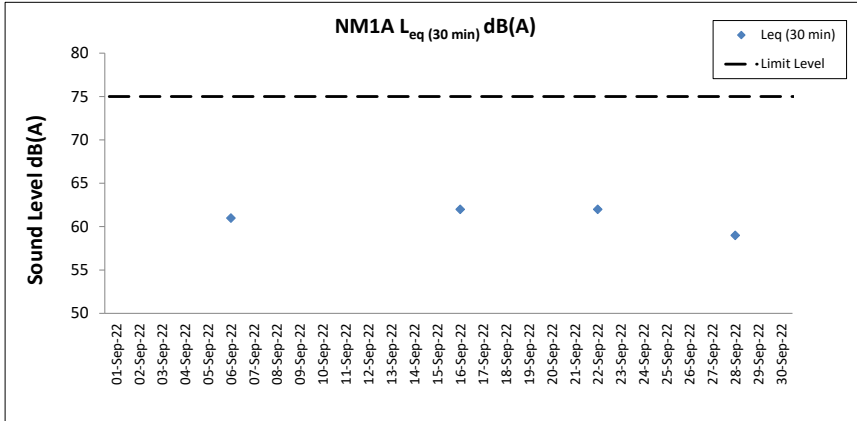
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
02-Sep-22	Sunny	10:52	64.4	54.2	66
02-Sep-22	Sunny	10:57	65.7	58.2	
02-Sep-22	Sunny	11:02	66.3	58.8	
02-Sep-22	Sunny	11:07	65.1	58.8	
02-Sep-22	Sunny	11:12	63.8	58.9	
02-Sep-22	Sunny	11:17	64.8	58.5	
09-Sep-22	Sunny	09:43	55.6	46.7	62*
09-Sep-22	Sunny	09:48	69.6	50.0	
09-Sep-22	Sunny	09:53	67.7	50.0	
09-Sep-22	Sunny	09:58	67.1	57.4	
09-Sep-22	Sunny	10:03	70.1	50.6	
09-Sep-22	Sunny	10:08	72.0	51.4	
15-Sep-22	Sunny	09:39	66.0	53.8	65
15-Sep-22	Sunny	09:44	65.5	52.8	
15-Sep-22	Sunny	09:49	63.9	52.7	
15-Sep-22	Sunny	09:54	54.1	52.7	
15-Sep-22	Sunny	09:59	60.7	52.9	
15-Sep-22	Sunny	10:04	59.8	53.8	
23-Sep-22	Sunny	13:51	59.9	58.6	61
23-Sep-22	Sunny	13:56	59.4	52.0	
23-Sep-22	Sunny	14:01	59.6	51.9	
23-Sep-22	Sunny	14:06	59.7	52.4	
23-Sep-22	Sunny	14:11	58.9	52.2	
23-Sep-22	Sunny	14:16	58.4	52.7	

Remarks:

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

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



Notes

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

Water Quality Monitoring Results

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	15:22	8.5	Surface	1.0	0.3	194	28.9	28.9	8.2	8.2	26.2	26.2	76.4	76.4	5.1	4.8	3.0	5.3	4	4	815630	804257
						1.0	0.3	192	28.8		8.2		26.3		76.3		5.1		3.1					
					Middle	4.3	0.2	189	27.9	27.9	8.2	8.2	30.8	30.8	68.7	68.7	4.5	4.3	4					
						4.3	0.2	183	27.9		8.2		30.8		68.6		4.5		4.3					
					Bottom	7.5	0.3	219	27.7	27.7	8.2	8.2	31.5	31.5	65.0	65.1	4.3	4.3	8.4					
						7.5	0.3	217	27.7		8.2		31.5		65.2		4.3		8.6					
C2	Cloudy	Moderate	14:17	11.3	Surface	1.0	0.1	162	29.3	29.3	8.1	8.1	23.8	23.8	75.2	75.2	5.1	4.8	5.0	9.3	2	4	825673	806932
						1.0	0.1	156	29.3		8.1		23.8		75.1		5.1		5.6					
					Middle	5.7	0.1	173	28.5	28.5	8.1	8.1	27.9	27.9	67.5	67.5	4.5	4.5	10.8					
						5.7	0.2	176	28.4		8.1		28.0		67.5		4.5		10.9					
					Bottom	10.3	0.1	137	27.7	27.7	8.1	8.1	29.1	29.1	60.1	60.2	4.0	4.0	11.6					
						10.3	0.1	134	27.7		8.1		29.1		60.3		4.0		11.7					
C3	Misty	Moderate	15:38	7.6	Surface	1.0	0.4	69	27.5	27.6	8.1	8.1	26.4	26.4	60.6	60.6	4.1	4.1	3.6	4.6	7	7	822127	817811
						1.0	0.4	72	27.6		8.1		26.4		60.6		4.1		3.6					
					Middle	3.8	0.4	75	27.6	27.6	8.1	8.1	26.4	26.4	60.1	60.2	4.1	4.1	4.7					
						3.8	0.4	78	27.6		8.1		26.4		60.2		4.1		4.6					
					Bottom	6.6	0.4	63	27.6	27.6	8.1	8.1	26.4	26.4	60.9	62.7	4.2	4.3	5.5					
						6.6	0.3	67	27.6		8.1		26.3		64.5		4.4		5.5					
IM1	Cloudy	Moderate	15:05	7.0	Surface	1.0	0.1	186	28.9	28.9	8.2	8.2	27.3	27.3	75.6	75.6	5.0	4.7	2.4	6.3	6	5	818360	806468
						1.0	0.1	185	28.9		8.2		27.4		75.5		5.0		2.5					
					Middle	3.5	0.1	200	28.5	28.5	8.2	8.2	28.4	28.5	67.0	67.0	4.4	4.4	3.1					
						3.5	0.2	204	28.5		8.2		28.5		67.0		4.4		3.2					
					Bottom	6.0	0.2	200	28.3	28.3	8.1	8.1	29.1	29.1	67.9	67.9	4.5	4.5	13.5					
						6.0	0.2	198	28.3		8.1		29.1		67.9		4.5		13.5					
IM2	Cloudy	Moderate	15:00	7.4	Surface	1.0	0.1	180	29.1	29.1	8.2	8.2	25.9	25.9	76.4	76.3	5.1	4.9	2.2	4.9	6	7	819163	806230
						1.0	0.1	174	29.0		8.2		25.9		76.2		5.1		2.3					
					Middle	3.7	0.2	157	28.5	28.5	8.2	8.2	28.3	28.3	70.2	69.9	4.7	4.6	5.4					
						3.7	0.1	162	28.5		8.2		28.3		69.6		4.6		5.6					
					Bottom	6.4	0.1	184	28.5	28.5	8.2	8.2	28.6	28.6	66.3	66.6	4.4	4.4	7.0					
						6.4	0.2	180	28.5		8.2		28.6		66.8		4.4		6.8					
IM7	Cloudy	Moderate	14:41	8.1	Surface	1.0	0.1	110	29.3	29.3	8.2	8.2	24.3	24.3	73.9	74.0	4.9	4.7	2.5	6.6	5	5	821327	806851
						1.0	0.2	105	29.3		8.2		24.3		74.0		5.0		2.7					
					Middle	4.1	0.2	95	28.7	28.7	8.2	8.2	27.7	27.7	68.2	68.2	4.5	4.5	6.9					
						4.1	0.2	93	28.7		8.2		27.7		68.2		4.5		7.3					
					Bottom	7.1	0.2	103	28.6	28.6	8.1	8.1	28.1	28.1	69.0	69.1	4.6	4.6	9.9					
						7.1	0.2	95	28.6		8.1		28.1		69.1		4.6		10.0					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 September 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	14:19	9.0	Surface	1.0	0.2	95	28.5	28.5	8.2	8.2	22.5	22.6	71.3	71.0	4.9	4.6	6.2	7.4	7	6	822232	809816		
						1.0	0.2	92	28.4		8.2		22.6		70.7		4.9		6.3		6					
					Middle	4.5	0.2	100	27.8	27.8	8.2	8.2	25.7	25.7	62.5	62.5	4.3	4.3	7.7	4.8	5				4.8	5
						4.5	0.3	96	27.8		8.2		25.7		62.5		4.3		7.8		6					
					Bottom	8.0	0.2	93	28.0	28.1	8.1	8.1	25.3	25.2	70.0	70.7	4.8	4.8	8.2	4.8	4				4.8	4
						8.0	0.1	86	28.1		8.1		25.0		71.3		4.8		8.2		5					
IM11	Misty	Moderate	14:36	8.8	Surface	1.0	0.3	105	28.0	28.0	8.2	8.2	25.0	25.1	63.9	63.9	4.5	4.5	5.2	6.4	5	7	821491	810533		
						1.0	0.3	100	27.9		8.2		25.2		63.9		4.5		5.2		6					
					Middle	4.4	0.3	83	27.7	27.7	8.2	8.2	25.9	25.9	64.2	64.2	4.5	4.6	6.8	4.4	7				4.4	7
						4.4	0.3	77	27.6		8.2		26.0		64.2		4.6		6.8		8					
					Bottom	7.8	0.3	102	27.8	27.9	8.2	8.2	26.0	26.0	65.1	65.3	4.4	4.4	7.1	4.4	8				4.4	8
						7.8	0.3	95	27.9		8.2		26.0		65.4		4.4		7.0		8					
IM12	Misty	Moderate	14:40	6.8	Surface	1.0	0.3	95	28.2	28.2	8.1	8.1	24.6	24.6	67.9	67.9	4.6	4.6	4.7	5.8	5	7	821142	811499		
						1.0	0.3	94	28.2		8.1		24.6		67.9		4.6		4.8		6					
					Middle	3.4	0.3	85	28.2	28.2	8.1	8.1	24.8	24.8	67.9	68.0	4.6	4.6	5.8	4.9	6				4.9	6
						3.4	0.3	86	28.2		8.1		24.9		68.1		4.6		5.7		7					
					Bottom	5.8	0.3	98	28.3	28.4	8.1	8.1	24.9	24.9	70.3	71.2	4.8	4.9	6.8	4.9	7				4.9	7
						5.8	0.4	93	28.4		8.1		24.9		72.0		4.9		6.8		8					
SR1A	Misty	Moderate	15:00	5.2	Surface	1.0	0.0	30	28.7	28.7	8.1	8.1	24.0	24.0	77.0	77.5	5.2	5.3	3.9	4.4	7	6	819977	812657		
						1.0	0.0	36	28.6		8.1		24.1		78.0		5.3		3.9		6					
					Middle	2.6	0.1	34	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.6	0.0	41	-		-		-		-		-		-		-					
					Bottom	4.2	-	32	28.2	28.4	8.1	8.1	24.7	24.2	84.8	86.6	5.7	5.9	4.9	5.9	5				5.9	5
						4.2	-	32	28.6		8.1		23.7		88.3		6.0		5.0		6					
SR2	Misty	Moderate	15:17	5.6	Surface	1.0	0.2	62	27.5	27.5	8.1	8.1	26.4	26.4	66.3	66.5	4.5	4.5	5.8	6.0	5	6	821482	814178		
						1.0	0.2	66	27.5		8.1		26.5		66.7		4.5		5.7		6					
					Middle	-	0.3	36	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.3	28	-		-		-		-		-		-							
					Bottom	4.6	0.3	43	27.5	27.5	8.0	8.0	26.6	26.6	75.6	76.7	5.2	5.3	6.1	5.3	6				5.3	6
						4.6	0.3	41	27.5		8.0		26.5		77.7		5.3		6.2		6					
SR3	Cloudy	Moderate	14:36	8.8	Surface	1.0	0.1	118	29.1	29.1	8.1	8.1	24.7	24.7	70.4	70.7	4.7	4.7	5.0	7.8	5	4	822152	807587		
						1.0	0.1	111	29.1		8.1		24.7		70.9		4.8		5.3		4					
					Middle	4.4	0.1	133	28.8	28.8	8.1	8.1	26.9	26.9	68.3	68.4	4.5	4.6	8.9	5.0	4				5.0	4
						4.4	0.1	137	28.8		8.1		27.0		68.4		4.6		8.9		5					
					Bottom	7.8	0.1	102	28.8	28.8	8.1	8.1	27.2	27.2	74.3	74.4	4.9	5.0	9.4	5.0	3				5.0	3
						7.8	0.1	97	28.8		8.1		27.2		74.5		5.0		9.4		4					
SR4A	Cloudy	Moderate	15:49	8.8	Surface	1.0	0.0	64	29.3	29.3	8.2	8.2	26.5	26.6	80.0	79.9	5.3	4.9	4.5	8.8	4	5	817201	807799		
						1.0	0.0	64	29.2		8.2		26.7		79.7		5.3		5.1		4					
					Middle	4.4	0.0	75	28.8	28.8	8.1	8.1	27.8	27.8	68.0	68.0	4.5	4.5	10.5	4.6	4				4.6	4
						4.4	0.1	81	28.8		8.1		27.8		67.9		4.5		10.5		5					
					Bottom	7.8	0.0	91	28.9	28.9	8.1	8.1	27.9	27.9	68.7	68.8	4.5	4.6	11.0	4.6	5				4.6	5
						7.8	0.1	86	28.9		8.1		27.9		68.9		4.6		11.0		5					
SR8	Misty	Moderate	14:45	4.6	Surface	1.0	-	-	28.8	28.8	8.1	8.1	24.7	24.7	75.7	75.8	5.1	5.1	3.4	4.0	8	9	820375	811639		
						1.0	-	-	28.7		8.1		24.7		75.9		5.1		3.4		9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	3.6	-	-	28.6	28.7	8.1	8.1	24.8	24.7	81.2	82.5	5.5	5.6	4.7	5.6	10				5.6	10
						3.6	-	-	28.7		8.1		24.6		83.8		5.7		4.7		9					

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	09:57	8.3	Surface	1.0	0.4	44	28.7	28.7	8.0	8.0	25.7	25.7	74.8	74.8	5.0	4.9	2.5	8.1	5	6	815626	804249
						1.0	0.4	47	28.7		8.0	8.0	25.7	25.7	74.7	74.8	5.0		2.6					
					Middle	4.2	0.4	43	28.0	28.0	8.0	8.0	30.1	30.1	71.6	71.8	4.7	4.9	10.3	6				
						4.2	0.4	40	28.0		8.0	8.0	30.1	30.1	72.0	71.8	4.8		10.3	6				
					Bottom	7.3	0.4	43	28.0	28.0	8.0	8.0	30.4	30.4	74.1	74.3	4.9	4.9	11.8	7				
						7.3	0.4	48	28.0		8.0	8.0	30.4	30.4	74.4	74.3	4.9		11.1	6				
C2	Cloudy	Moderate	11:01	11.7	Surface	1.0	0.4	341	28.9	28.9	8.0	8.0	24.7	24.7	66.9	66.8	4.5	4.5	2.9	5.1	8	9	825692	806954
						1.0	0.4	345	28.9		8.0	8.0	24.8	24.7	66.7	66.8	4.5		2.9					
					Middle	5.9	0.4	357	28.9	28.9	8.0	8.0	25.3	25.3	65.4	65.4	4.4	4.1	3.7		10			
						5.9	0.4	351	28.9		8.0	8.0	25.3	25.3	65.3	65.4	4.4		3.7		9			
					Bottom	10.7	0.4	329	28.8	28.8	8.0	8.0	25.6	25.6	60.9	60.8	4.1	4.1	10		10			
						10.7	0.4	327	28.8		8.0	8.0	25.6	25.6	60.6	60.8	4.1		8.6		10			
C3	Misty	Moderate	08:40	9.4	Surface	1.0	0.3	263	28.6	28.6	8.2	8.2	22.4	22.5	71.4	71.2	4.9	4.6	1.8	2.8	4	3	822131	817791
						1.0	0.3	256	28.5		8.2	8.2	22.5	22.5	70.9	71.2	4.9		1.7		3			
					Middle	4.7	0.3	269	27.9	27.9	8.2	8.2	25.5	25.5	61.5	61.6	4.2	4.4	2.7		2			
						4.7	0.3	273	27.8		8.2	8.2	25.6	25.5	61.6	61.6	4.2		2.8		3			
					Bottom	8.4	0.4	279	27.7	27.7	8.2	8.2	26.1	26.1	65.2	65.2	4.4	4.4	3.9		2			
						8.4	0.4	276	27.7		8.2	8.2	26.1	26.1	65.2	65.2	4.4		3.9		3			
IM1	Cloudy	Moderate	10:12	6.9	Surface	1.0	0.3	14	28.9	28.9	8.1	8.1	26.6	26.6	77.1	77.1	5.1	4.8	1.2	5.7	3	4	818372	806437
						1.0	0.3	7	28.8		8.1	8.1	26.6	26.6	77.0	77.1	5.1		1.2		3			
					Middle	3.5	0.2	31	28.5	28.5	8.0	8.0	28.0	28.0	67.3	67.2	4.5	4.2	7.4		4			
						3.5	0.2	32	28.5		8.0	8.0	28.1	28.0	67.0	67.2	4.5		7.4		4			
					Bottom	5.9	0.3	36	28.4	28.4	8.0	8.0	28.8	28.8	64.0	64.0	4.2	4.2	8.7		4			
						5.9	0.3	34	28.4		8.0	8.0	28.8	28.8	63.9	64.0	4.2		8.3		4			
IM2	Cloudy	Moderate	10:19	7.4	Surface	1.0	0.3	4	28.9	28.9	8.1	8.1	26.9	26.9	73.1	73.0	4.9	4.7	3.5	5.3	4	6	819187	806256
						1.0	0.3	6	28.8		8.1	8.1	26.9	26.9	72.9	73.0	4.8		3.5		5			
					Middle	3.7	0.3	26	28.6	28.6	8.0	8.0	27.6	27.6	69.9	69.8	4.6	4.6	5.8		6			
						3.7	0.3	22	28.6		8.0	8.0	27.7	27.6	69.7	69.8	4.6		5.6		5			
					Bottom	6.4	0.3	356	28.5	28.5	8.0	8.0	28.1	28.1	69.2	69.3	4.6	4.6	6.6		6			
						6.4	0.4	354	28.5		8.0	8.0	28.1	28.1	69.4	69.3	4.6		6.6		7			
IM7	Cloudy	Moderate	10:36	8.4	Surface	1.0	0.2	2	29.2	29.2	8.0	8.0	24.0	24.1	71.1	71.0	4.8	4.7	1.9	5.4	4	5	821330	806838
						1.0	0.2	359	29.1		8.0	8.0	24.1	24.1	70.8	71.0	4.8		2.0		4			
					Middle	4.2	0.3	13	28.8	28.8	8.0	8.0	24.9	24.9	68.1	68.1	4.6	4.5	5.1		4			
						4.2	0.3	14	28.8		8.0	8.0	24.9	24.9	68.0	68.1	4.6		5.4		5			
					Bottom	7.4	0.2	359	28.6	28.7	8.0	8.0	27.4	27.3	67.6	67.7	4.5	4.5	8.9		5			
						7.4	0.3	355	28.7		8.0	8.0	27.3	27.3	67.8	67.7	4.5		8.9		6			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 September 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	Misty	Moderate	09:36	8.4	Surface	1.0	0.3	281	28.4	28.4	8.0	8.0	23.3	23.3	70.9	70.9	4.8	4.8	6.1	5.3	4	4	822245	809834	
						1.0	0.3	287	28.4		8.0	8.0	23.4	23.3	70.8	70.9	4.8	4.8		5.2					
					Middle	4.2	0.3	289	28.3	28.3	8.0	8.0	23.6	23.6	70.8	70.9	4.8	4.9	5.2	6.0	4				6.1
						4.2	0.4	281	28.3		8.0	8.0	23.6	23.7	71.0	70.9	4.9	5.1		7.1					
					Bottom	7.4	0.3	289	28.3	28.3	8.0	8.0	23.7	23.7	74.8	75.7	5.1	5.2	5.2	7.1	4				7.1
						7.4	0.3	293	28.3		8.0	8.0	23.7	23.7	76.6	75.7	5.2	5.2		7.1					
IM11	Misty	Moderate	09:31	9.4	Surface	1.0	0.4	262	28.5	28.5	8.0	8.0	23.1	23.2	71.9	71.9	4.9	4.9	2.9	2.0	5	5	821511	810562	
						1.0	0.4	259	28.5		8.0	8.0	23.2	23.2	71.8	71.9	4.9	4.9		2.1					
					Middle	4.7	0.4	292	28.3	28.3	8.0	8.0	23.7	23.7	71.8	71.8	4.9	4.9	5.4	2.8	5				2.8
						4.7	0.4	289	28.3		8.0	8.0	23.7	23.7	71.8	71.8	4.9	4.9		2.8					
					Bottom	8.4	0.4	276	28.2	28.2	8.0	8.0	24.3	24.3	77.5	78.9	5.3	5.4	5.4	4.0	5				4.0
						8.4	0.4	275	28.2		8.0	8.0	24.3	24.3	80.2	78.9	5.5	5.5		4.0					
IM12	Misty	Moderate	09:26	8.0	Surface	1.0	0.4	286	28.2	28.2	8.0	8.0	24.3	24.3	68.7	68.8	4.7	4.7	6.6	5.5	5	5	821175	811523	
						1.0	0.4	278	28.2		8.0	8.0	24.3	24.3	68.8	68.8	4.7	4.7		5.5					
					Middle	4.0	0.4	300	28.1	28.1	8.0	8.0	24.6	24.6	70.2	70.2	4.8	4.8	5.1	6.6	5				6.5
						4.0	0.5	296	28.1		8.0	8.0	24.6	24.6	70.2	70.2	4.8	4.8		6.5					
					Bottom	7.0	0.4	271	28.1	28.1	8.0	8.0	24.6	24.6	73.4	74.7	5.0	5.1	5.1	7.9	5				7.9
						7.0	0.4	278	28.1		8.0	8.0	24.5	24.6	76.0	74.7	5.2	5.2		7.9					
SR1A	Misty	Moderate	09:07	4.0	Surface	1.0	0.0	199	28.0	28.0	8.0	8.0	23.4	23.4	75.9	76.3	5.2	5.3	2.5	2.0	4	4	819982	812653	
						1.0	0.0	192	27.9		8.0	8.0	23.5	23.4	76.6	76.3	5.3	5.3		2.1					
					Middle	2.0	0.0	188	-	-	-	-	-	-	-	-	-	-	6.0	-	5				-
						2.0	0.0	193	-		-	-	-	-	-	-	-	-		-					
					Bottom	3.0	0.1	184	27.6	27.6	8.0	8.0	23.6	23.6	84.7	85.5	5.9	6.0	6.0	3.0	5				3.1
						3.0	0.1	190	27.5		8.0	8.0	23.6	23.6	86.3	85.5	6.0	6.0		3.1					
SR2	Misty	Moderate	08:55	5.0	Surface	1.0	0.2	219	28.5	28.6	7.9	7.9	23.6	23.6	70.1	70.3	4.8	4.8	7.6	7.2	5	5	821477	814149	
						1.0	0.1	221	28.6		7.9	7.9	23.7	23.6	70.4	70.3	4.8	4.8		7.1					
					Middle	-	0.1	239	-	-	-	-	-	-	-	-	-	-	5.0	-	5				-
						-	0.1	245	-		-	-	-	-	-	-	-	-		-					
					Bottom	4.0	0.2	225	28.8	28.8	7.9	7.9	23.8	23.8	73.3	73.9	5.0	5.0	5.0	8.1	5				8.0
						4.0	0.2	220	28.8		7.9	7.9	23.8	23.8	74.5	73.9	5.0	5.0		8.0					
SR3	Cloudy	Moderate	10:42	9.6	Surface	1.0	0.4	334	29.3	29.3	8.0	8.0	23.8	23.8	71.5	71.5	4.8	4.8	5.9	1.4	6	6	822164	807558	
						1.0	0.4	335	29.3		8.0	8.0	23.8	23.8	71.5	71.5	4.8	4.8		1.4					
					Middle	4.8	0.4	350	28.9	28.9	8.0	8.0	25.0	25.1	67.1	67.2	4.5	4.5	4.6	7.4	5				7.7
						4.8	0.4	353	28.9		8.0	8.0	25.1	25.1	67.2	67.2	4.5	4.5		7.7					
					Bottom	8.6	0.3	322	28.9	28.9	8.0	7.9	25.3	25.3	67.7	67.8	4.5	4.6	4.6	8.7	5				8.7
						8.6	0.3	320	28.9		7.9	7.9	25.2	25.3	67.8	67.8	4.6	4.6		8.7					
SR4A	Cloudy	Moderate	09:37	9.1	Surface	1.0	0.0	176	29.0	29.0	8.0	8.0	25.5	25.5	69.3	69.3	4.6	4.6	8.4	5.3	5	5	817182	807826	
						1.0	0.0	170	29.0		8.0	8.0	25.5	25.5	69.3	69.3	4.6	4.6		5.3					
					Middle	4.6	-	201	28.9	28.9	7.9	7.9	25.8	25.8	68.1	68.1	4.6	4.5	4.5	8.7	4				8.7
						4.6	-	202	28.9		7.9	7.9	25.8	25.8	68.0	68.1	4.5	4.5		8.7					
					Bottom	8.1	0.0	177	28.5	28.6	7.9	7.9	27.9	27.8	67.0	67.1	4.5	4.5	4.5	11.2	6				11.2
						8.1	0.1	170	28.6		7.9	7.9	27.8	27.8	67.1	67.1	4.5	4.5		11.2					
SR8	Misty	Moderate	09:22	5.4	Surface	1.0	-	-	28.6	28.6	8.0	8.0	23.0	23.0	75.9	76.0	5.2	5.2	5.1	4.2	5	5	820391	811619	
						1.0	-	-	28.6		8.0	8.0	23.0	23.0	76.0	76.0	5.2	5.2		4.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	5.8	-	5				-
						-	-	-	-		-	-	-	-	-	-	-	-		-					
					Bottom	4.4	-	-	28.4	28.4	8.0	8.0	23.2	23.1	82.9	83.9	5.7	5.8	5.8	5.9	5				5.9
						4.4	-	-	28.4		8.0	8.0	23.1	23.1	84.8	83.9	5.8	5.8		6.0					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 03 September 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	Misty	Calm	17:20	8.4	Surface	1.0	0.1	217	<u>27.8</u>	27.8	8.1	8.1	29.2	29.3	<u>84.7</u>	84.3	5.7	5.3	4.0	5.5	3	2	815634	804225
						1.0	0.1	224	<u>27.8</u>		8.1	8.1	29.3	29.3	83.8	84.3	5.6		4.1					
					Middle	4.2	0.1	216	<u>27.7</u>	27.7	8.1	8.1	29.6	29.6	78.0	75.2	5.2	5.4	<2					
						4.2	0.1	209	<u>27.6</u>		8.1	8.1	29.7	29.6	72.4	75.2	4.8	5.4	<2					
					Bottom	7.4	0.1	210	<u>27.7</u>	27.8	8.1	8.1	31.5	31.4	75.2	77.3	5.0	7.0	<2					
						7.4	0.1	216	<u>27.8</u>		8.1	8.1	31.3	31.4	79.4	77.3	5.2	7.0	<2					
C2	Misty	Calm	16:07	11.0	Surface	1.0	0.1	6	<u>28.0</u>	28.0	8.0	8.0	28.4	28.4	77.2	77.1	5.2	4.9	1.8	2.6	5	4	825675	806932
						1.0	0.1	8	<u>28.0</u>		8.0	8.0	28.5	28.4	77.0	77.1	5.2		1.7					
					Middle	5.5	0.1	358	<u>27.9</u>	27.9	8.0	8.0	28.8	28.8	68.1	68.1	4.6	2.5	4					
						5.5	0.1	356	<u>27.9</u>		8.0	8.0	28.8	28.8	68.0	68.1	4.6	2.6	4					
					Bottom	10.0	0.1	0	<u>27.9</u>	27.9	8.0	8.0	28.7	28.7	69.1	69.6	4.6	3.6	2					
						10.0	0.1	4	<u>27.9</u>		8.0	8.0	28.6	28.7	70.0	69.6	4.7	3.6	2					
C3	Sunny	Rough	17:57	11.9	Surface	1.0	0.2	73	<u>26.5</u>	26.5	8.0	8.0	29.4	29.3	67.2	67.3	4.6	4.6	1.2	1.8	2	3	822107	817779
						1.0	0.2	73	<u>26.5</u>		8.0	8.0	29.3	29.3	67.3	67.3	4.6		1.2		3			
					Middle	6.0	0.1	78	<u>26.4</u>	26.4	8.0	8.0	29.5	29.5	66.3	66.3	4.5	1.4	4					
						6.0	0.1	77	<u>26.4</u>		8.0	8.0	29.5	29.5	66.2	66.3	4.5	1.4	3					
					Bottom	10.9	0.1	93	<u>25.9</u>	25.9	8.0	8.0	30.1	30.1	61.2	61.3	4.2	2.8	4					
						10.9	0.1	99	<u>25.9</u>		8.0	8.0	30.1	30.1	61.3	61.3	4.2	2.8	4					
IM1	Misty	Calm	17:11	6.8	Surface	1.0	0.0	186	<u>28.0</u>	28.0	8.1	8.1	29.6	29.6	87.1	86.8	5.8	5.6	6.4	7.5	3	3	818374	806460
						1.0	0.1	192	<u>27.9</u>		8.1	8.1	29.7	29.6	86.4	86.8	5.7		6.3		4			
					Middle	3.4	0.1	192	<u>27.9</u>	27.9	8.1	8.1	29.8	29.9	82.3	80.4	5.5	7.0	3					
						3.4	0.1	187	<u>27.8</u>		8.1	8.1	29.9	29.9	78.5	80.4	5.2	7.0	2					
					Bottom	5.8	0.1	206	<u>27.8</u>	27.8	8.1	8.1	30.0	30.0	78.5	79.1	5.2	9.0	2					
						5.8	0.0	200	<u>27.8</u>		8.1	8.1	30.0	30.0	79.6	79.1	5.3	9.0	2					
IM2	Misty	Calm	17:04	7.0	Surface	1.0	0.1	179	<u>28.1</u>	28.1	8.1	8.1	29.5	29.6	95.2	95.0	6.3	6.0	2.1	3.6	<2	2	819168	806238
						1.0	0.1	180	<u>28.1</u>		8.1	8.1	29.6	29.6	94.7	95.0	6.3		2.2		<2			
					Middle	3.5	0.1	165	<u>27.9</u>	27.9	8.1	8.1	29.8	29.8	87.3	84.7	5.8	4.0	2					
						3.5	0.0	166	<u>27.9</u>		8.1	8.1	29.9	29.9	82.0	84.7	5.5	4.0	2					
					Bottom	6.0	0.0	171	<u>27.9</u>	28.0	8.0	8.0	29.8	29.7	86.5	88.0	5.7	4.7	3					
						6.0	0.0	167	<u>28.0</u>		8.0	8.0	29.6	29.7	89.5	88.0	6.0	4.6	2					
IM7	Misty	Calm	16:43	9.2	Surface	1.0	0.1	133	<u>28.2</u>	28.2	8.0	8.0	28.4	28.5	81.6	81.5	5.4	5.3	4.5	5.3	2	3	821357	806817
						1.0	0.1	136	<u>28.1</u>		8.0	8.0	28.6	28.5	81.4	81.5	5.4		4.6		4			
					Middle	4.6	0.0	154	<u>28.0</u>	28.0	8.0	8.0	29.1	29.1	76.6	76.4	5.1	5.1	3					
						4.6	0.0	155	<u>28.0</u>		8.0	8.0	29.1	29.1	76.1	76.4	5.1	5.1	4					
					Bottom	8.2	0.1	124	<u>28.0</u>	28.0	8.0	8.0	29.6	29.5	80.3	83.0	5.3	6.1	2					
						8.2	0.1	131	<u>28.0</u>		8.0	8.0	29.4	29.5	85.7	83.0	5.7	6.2	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 03 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Rough	16:05	9.2	Surface	1.0	0.1	288	27.4	27.4	8.1	8.1	27.0	27.0	71.3	71.3	4.9	4.6	3.1	6.3	<2	3	822254	809857
						1.0	0.1	293	27.4		8.1	8.1	27.0		71.2	71.3	4.9		3.2					
					Middle	4.6	0.1	302	27.0	27.0	8.1	8.1	27.3	27.3	63.3	63.3	4.3	4.2	6.4	2				
						4.6	0.1	299	27.0		8.1	8.1	27.3		63.2	63.3	4.3		6.5	3				
					Bottom	8.2	0.0	316	26.9	26.9	8.1	8.1	27.4	27.4	61.1	61.1	4.2	4.2	9.3	3				
						8.2	0.0	310	26.9		8.1	8.1	27.4		61.0	61.1	4.2		9.3	4				
IM11	Sunny	Rough	16:13	8.7	Surface	1.0	0.0	286	27.5	27.5	8.0	8.0	27.0	27.0	74.7	74.7	5.1	4.7	2.4	3.6	6	4	821504	810530
						1.0	0.0	286	27.5		8.0	8.0	27.0		74.6	74.7	5.1		2.4					
					Middle	4.4	0.0	285	27.3	27.3	8.0	8.0	27.1	27.1	61.5	61.6	4.2	4.5	3.0	4				
						4.4	0.0	291	27.3		8.0	8.0	27.1		61.6	61.6	4.2		3.0	4				
					Bottom	7.7	0.1	298	27.0	27.0	8.0	8.0	27.5	27.5	65.0	65.1	4.4	4.5	5.4	4				
						7.7	0.1	302	27.0		8.0	8.0	27.5		65.1	65.1	4.5		5.3	3				
IM12	Sunny	Rough	16:23	8.9	Surface	1.0	0.0	78	27.3	27.3	8.0	8.0	27.2	27.2	70.6	70.6	4.8	4.8	3.0	5.1	5	6	821180	811504
						1.0	0.0	73	27.3		8.0	8.0	27.2		70.6	70.6	4.8		3.1					
					Middle	4.5	0.0	105	26.9	26.9	8.0	8.0	27.8	27.8	69.7	69.7	4.8	4.2	5.8	6				
						4.5	0.1	106	26.9		8.0	8.0	27.8		69.7	69.7	4.8		5.8	5				
					Bottom	7.9	0.0	111	26.8	26.8	8.0	8.0	27.9	27.9	61.4	61.5	4.2	4.2	6.5	6				
						7.9	0.0	117	26.8		8.0	8.0	27.9		61.5	61.5	4.2		6.5	6				
SR1A	Sunny	Moderate	17:05	4.6	Surface	1.0	0.0	6	28.0	28.0	8.0	8.0	26.1	26.1	69.5	69.5	4.7	4.7	4.7	6.2	5	5	819982	812664
						1.0	0.0	9	28.0		8.0	8.0	26.1		69.5	69.5	4.7		4.6					
					Middle	2.3	0.0	20	-	-	-	-	-	-	-	-	-	-	-	-				
						2.3	0.0	27	-		-	-	-		-	-	-		-					
					Bottom	3.6	-	20	27.5	27.5	8.0	8.0	26.7	26.7	65.0	65.1	4.4	4.4	7.8	4				
						3.6	0.0	12	27.5		8.0	8.0	26.7		65.1	65.1	4.4		7.8	4				
SR2	Sunny	Rough	17:25	4.8	Surface	1.0	0.1	26	27.3	27.3	8.0	8.0	27.4	27.4	71.3	71.3	4.9	4.9	3.3	3.2	5	5	821463	814157
						1.0	0.1	19	27.3		8.0	8.0	27.4		71.3	71.3	4.9		3.3					
					Middle	-	0.1	22	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.1	29	-		-	-	-		-	-	-		-					
					Bottom	3.8	0.0	47	27.3	27.3	8.0	8.0	27.4	27.4	72.9	73.0	5.0	5.0	3.2	5				
						3.8	0.1	45	27.3		8.0	8.0	27.4		73.0	73.0	5.0		3.1	5				
SR3	Misty	Calm	16:37	8.2	Surface	1.0	0.1	59	28.2	28.2	8.0	8.0	28.1	28.1	80.8	80.9	5.4	5.5	1.7	2.3	6	6	822158	807558
						1.0	0.1	56	28.2		8.0	8.0	28.1		81.0	80.9	5.4		1.7					
					Middle	4.1	0.0	36	28.2	28.2	8.0	8.0	28.1	28.1	81.9	82.0	5.5	5.7	2.1	4				
						4.1	0.0	38	28.2		8.0	8.0	28.1		82.0	82.0	5.5		2.1	6				
					Bottom	7.2	0.0	31	28.2	28.2	8.0	8.0	28.0	28.0	84.4	84.8	5.6	5.7	3.3	5				
						7.2	0.0	31	28.2		8.0	8.0	28.0		85.1	84.8	5.7		3.1	5				
SR4A	Misty	Calm	17:31	9.0	Surface	1.0	0.0	294	28.3	28.3	8.1	8.1	29.3	29.3	93.5	93.5	6.2	6.2	4.3	5.5	2	3	817168	807821
						1.0	0.0	287	28.3		8.1	8.1	29.3		93.5	93.5	6.2		4.2					
					Middle	4.5	0.0	301	28.3	28.3	8.1	8.1	29.3	29.3	93.8	93.9	6.2	6.3	5.5	3				
						4.5	0.0	301	28.3		8.1	8.1	29.3		94.0	93.9	6.2		5.4	2				
					Bottom	8.0	0.0	276	28.3	28.3	8.1	8.1	29.2	29.2	95.2	95.4	6.3	6.3	6.7	4				
						8.0	0.0	277	28.3		8.1	8.1	29.2		95.5	95.4	6.3		6.8	3				
SR8	Sunny	Moderate	16:35	5.3	Surface	1.0	-	-	28.6	28.6	8.0	8.0	26.2	26.2	74.0	74.1	5.0	5.0	4.1	4.7	4	4	820380	811601
						1.0	-	-	28.5		8.0	8.0	26.2		74.1	74.1	5.0		4.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-		-	-	-		-					
					Bottom	4.3	-	-	27.1	27.1	8.0	8.0	27.6	27.6	64.7	64.8	4.4	4.4	5.2	2				
						4.3	-	-	27.1		8.0	8.0	27.6		64.8	64.8	4.4		5.2	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 03 September 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	Misty	Calm	12:46	8.0	Surface	1.0	0.3	18	27.7	27.7	8.0	8.0	29.8	29.8	81.5	79.7	5.4	5.2	4.4	5.3	3	3	815616	804267
						1.0	0.4	20	27.6		8.0	8.0	29.9	29.9	77.8	76.0	5.2		4.5					
					Middle	4.0	0.3	31	27.5	27.5	8.0	8.0	30.0	30.0	76.2	76.0	5.1	5.2	5.3	5.3	4			
						4.0	0.3	32	27.5		8.0	8.0	30.0	30.0	75.7	76.0	5.1		5.4					
					Bottom	7.0	0.3	40	27.5	27.5	8.0	8.0	30.1	30.0	76.9	77.6	5.1	5.2	6.1	5.2	2			
						7.0	0.3	44	27.5		8.0	8.0	30.0	30.0	78.3	77.6	5.2		6.1					
C2	Misty	Calm	13:51	9.8	Surface	1.0	0.3	340	28.1	28.1	8.0	8.0	28.2	28.2	77.2	77.0	5.2	5.1	2.4	3.2	4	6	825705	806952
						1.0	0.2	345	28.0		8.0	8.0	28.3	28.2	76.8	77.0	5.1		2.6					
					Middle	4.9	0.3	337	27.9	27.9	8.0	8.0	28.6	28.6	74.3	73.5	5.0	5.1	3.1	3.2	5			
						4.9	0.3	343	27.9		8.0	8.0	28.7	28.6	72.7	73.5	4.9		3.1					
					Bottom	8.8	0.2	7	27.8	27.8	8.0	8.0	29.1	29.1	67.2	67.4	4.5	4.5	4.1	4.5	6			
						8.8	0.3	6	27.8		8.0	8.0	29.1	29.1	67.5	67.4	4.5		4.1					
C3	Sunny	Moderate	10:59	9.9	Surface	1.0	0.3	281	27.1	27.1	8.0	8.0	26.9	26.9	67.6	67.6	4.6	4.4	1.5	2.8	4	5	822086	817793
						1.0	0.3	276	27.1		8.0	8.0	27.0	26.9	67.6	67.6	4.6		1.5					
					Middle	5.0	0.2	255	26.8	26.8	8.0	8.0	27.7	27.7	61.3	61.3	4.2	4.4	1.2	2.8	5			
						5.0	0.2	253	26.8		8.0	8.0	27.7	27.7	61.2	61.3	4.2		1.2					
					Bottom	8.9	0.3	264	25.9	25.9	8.0	8.0	29.6	29.6	52.9	52.9	3.6	3.6	5.5	3.6	5			
						8.9	0.2	266	25.9		8.0	8.0	29.6	29.6	52.9	52.9	3.6		5.6					
IM1	Misty	Calm	12:58	6.0	Surface	1.0	0.2	29	27.9	27.9	8.0	8.0	29.6	29.6	88.6	87.9	5.9	5.6	7.4	8.4	3	4	818335	806445
						1.0	0.2	34	27.9		8.0	8.0	29.6	29.6	87.2	87.9	5.8		7.5					
					Middle	3.0	0.1	35	27.7	27.7	8.0	8.0	29.8	29.9	80.8	80.9	5.4	5.6	8.7	8.4	3			
						3.0	0.2	37	27.7		8.0	8.0	29.9	29.9	81.0	80.9	5.4		8.8					
					Bottom	5.0	0.1	3	27.7	27.7	8.0	8.0	29.8	29.8	85.3	85.9	5.7	5.8	9.0	5.8	4			
						5.0	0.1	1	27.7		8.0	8.0	29.7	29.8	86.5	85.9	5.8		9.0					
IM2	Misty	Calm	13:04	7.6	Surface	1.0	0.2	5	27.9	27.9	8.1	8.1	29.8	29.9	90.1	89.5	6.0	5.6	5.7	6.3	6	5	819163	806232
						1.0	0.2	9	27.8		8.1	8.1	30.0	30.4	88.9	89.5	5.9		5.9					
					Middle	3.8	0.2	8	27.7	27.7	8.1	8.1	30.3	30.4	78.5	78.3	5.2	5.6	6.4	6.3	5			
						3.8	0.3	14	27.7		8.1	8.1	30.4	30.4	78.1	78.3	5.2		6.5					
					Bottom	6.6	0.2	7	27.7	27.7	8.0	8.0	30.6	30.5	74.6	75.7	5.0	5.1	6.8	5.1	4			
						6.6	0.2	12	27.7		8.0	8.0	30.5	30.5	76.8	75.7	5.1		6.8					
IM7	Misty	Calm	13:26	8.2	Surface	1.0	0.2	358	28.2	28.2	8.0	8.0	28.2	28.2	80.6	80.6	5.4	5.4	1.1	1.6	4	5	821360	806841
						1.0	0.2	355	28.2		8.0	8.0	28.2	28.2	80.6	80.6	5.4		1.1					
					Middle	4.1	0.2	9	28.2	28.2	8.0	8.0	28.2	28.2	80.1	80.0	5.3	5.4	1.4	1.6	5			
						4.1	0.2	8	28.2		8.0	8.0	28.2	28.2	79.8	80.0	5.3		1.5					
					Bottom	7.2	0.2	8	28.2	28.2	7.9	7.9	28.1	28.1	80.8	82.6	5.4	5.5	2.4	5.5	4			
						7.2	0.2	11	28.2		7.9	7.9	28.0	28.1	84.4	82.6	5.6		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 03 September 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	12:39	7.5	Surface	1.0	0.3	304	27.8	27.8	8.0	8.0	26.2	26.2	80.8	80.8	5.5	5.0	1.7	4.9	5	4	822223	809828		
						1.0	0.4	296	27.8		8.0	8.0	26.2	26.2	80.7	80.8	5.5		1.7		4					
					Middle	3.8	0.3	282	27.3	27.3	8.0	8.0	26.8	26.8	66.0	66.1	4.5	4.2	3.5	4.2	4				4.2	4
						3.8	0.3	278	27.3		8.0	8.0	26.9	26.8	66.1	66.1	4.5		3.5		4					
					Bottom	6.5	0.4	276	27.0	27.0	8.0	8.0	27.4	27.4	61.9	62.0	4.2	4.2	9.4	4.2	3				4.2	2
						6.5	0.3	277	27.0		8.0	8.0	27.4	27.4	62.0	62.0	4.2		9.4		2					
IM11	Sunny	Moderate	12:27	7.4	Surface	1.0	0.4	279	27.6	27.6	8.0	8.0	26.3	26.3	73.1	73.1	5.0	4.6	1.7	8.9	3	3	821481	810543		
						1.0	0.4	276	27.6		8.0	8.0	26.3	26.3	73.0	73.1	5.0		1.7		4					
					Middle	3.7	0.4	293	27.0	27.0	8.0	8.0	27.6	27.6	61.2	61.3	4.2	4.2	11.8	4.2	2				4.2	2
						3.7	0.4	297	27.0		8.0	8.0	27.6	27.6	61.3	61.3	4.2		11.8		3					
					Bottom	6.4	0.3	280	27.0	27.0	8.0	8.0	27.6	27.6	61.6	61.7	4.2	4.2	13.3	4.2	2				4.2	2
						6.4	0.4	286	27.0		8.0	8.0	27.6	27.6	61.8	61.7	4.2		13.3		2					
IM12	Sunny	Moderate	12:19	7.9	Surface	1.0	0.5	286	27.4	27.4	8.0	8.0	27.0	27.0	71.1	71.1	4.8	4.7	3.4	8.8	3	2	821169	811528		
						1.0	0.4	282	27.4		8.0	8.0	27.0	27.0	71.1	71.1	4.8		3.4		2					
					Middle	4.0	0.5	279	27.0	27.0	8.0	8.0	27.5	27.5	65.8	65.8	4.5	4.4	9.7	4.4	2				4.4	2
						4.0	0.4	280	27.0		8.0	8.0	27.5	27.5	65.8	65.8	4.5		9.7		2					
					Bottom	6.9	0.4	299	26.8	26.8	8.0	8.0	27.9	27.9	64.8	64.9	4.4	4.4	13.3	4.4	<2				4.4	<2
						6.9	0.4	305	26.8		8.0	8.0	27.9	27.9	64.9	64.9	4.4		13.4		<2					
SR1A	Sunny	Calm	11:36	4.4	Surface	1.0	0.0	179	27.7	27.7	8.0	8.0	26.1	26.1	73.7	73.7	5.0	5.0	3.1	3.5	4	3	819982	812656		
						1.0	0.0	186	27.7		8.0	8.0	26.1	26.1	73.7	73.7	5.0		3.1		3					
					Middle	2.2	0.0	185	-	-	-	-	-	-	-	-	-	4.2	-	4.2	-				4.2	-
						2.2	-	186	-		-	-	-	-	-	-	-		-		-					-
					Bottom	3.4	0.0	166	27.5	27.5	8.0	8.0	26.1	26.1	61.3	61.4	4.2	4.2	3.8	4.2	<2				4.2	<2
						3.4	0.0	159	27.5		8.0	8.0	26.1	26.1	61.4	61.4	4.2		3.8		<2					
SR2	Sunny	Moderate	11:25	4.2	Surface	1.0	0.2	231	27.3	27.3	8.0	8.0	27.1	27.1	72.5	72.5	4.9	4.9	3.6	4.0	<2	<2	821452	814170		
						1.0	0.2	235	27.3		8.0	8.0	27.1	27.1	72.4	72.4	4.9		3.7		<2					
					Middle	-	0.1	208	-	-	-	-	-	-	-	-	-	4.8	-	4.8	-				4.8	-
						-	0.1	204	-		-	-	-	-	-	-	-		-		-					
					Bottom	3.2	0.2	214	27.1	27.1	8.0	8.0	27.4	27.4	70.3	70.3	4.8	4.8	4.4	4.8	4.4				4.8	4.4
						3.2	0.3	207	27.1		8.0	8.0	27.4	27.4	70.3	70.3	4.8		4.4		<2					
SR3	Misty	Calm	13:32	7.4	Surface	1.0	0.2	347	28.2	28.2	8.0	8.0	28.0	28.0	81.3	81.5	5.4	5.5	2.1	2.2	5	4	822143	807557		
						1.0	0.1	342	28.2		8.0	8.0	28.0	28.0	81.6	81.5	5.5		2.1		5					
					Middle	3.7	0.2	342	28.1	28.1	8.0	8.0	28.0	28.0	82.2	82.3	5.5	5.5	2.2	5.5	4				5.5	4
						3.7	0.1	342	28.1		8.0	8.0	28.0	28.0	82.3	82.3	5.5		2.2		4					
					Bottom	6.4	0.1	333	28.2	28.2	8.0	8.0	27.9	27.9	84.5	84.9	5.7	5.7	2.4	5.7	3				5.7	3
						6.4	0.2	340	28.2		8.0	8.0	27.9	27.9	85.3	84.9	5.7		2.2		4					
SR4A	Misty	Calm	12:30	10.0	Surface	1.0	0.1	271	28.2	28.2	8.1	8.1	28.2	28.2	81.6	81.7	5.4	5.5	6.2	7.2	5	5	817205	807805		
						1.0	0.1	277	28.2		8.1	8.1	28.3	28.2	81.7	81.7	5.5		6.4		4					
					Middle	5.0	0.0	240	28.1	28.1	8.1	8.1	28.5	28.5	82.1	82.2	5.5	5.5	7.3	5.5	4				5.5	4
						5.0	0.1	246	28.1		8.1	8.1	28.5	28.5	82.2	82.2	5.5		7.3		5					
					Bottom	9.0	0.0	270	28.1	28.1	8.1	8.1	28.7	28.7	82.5	82.5	5.5	5.5	8.0	5.5	6				5.5	6
						9.0	0.1	276	28.1		8.1	8.1	28.7	28.7	82.5	82.5	5.5		8.0		7					
SR8	Sunny	Calm	12:09	4.5	Surface	1.0	-	-	27.7	27.7	8.0	8.0	26.2	26.2	74.0	73.9	5.0	5.0	3.6	6.2	5	5	820389	811642		
						1.0	-	-	27.7		8.0	8.0	26.2	26.2	73.8	73.9	5.0		3.7		6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	4.2	-	4.2	-				4.2	-
						-	-	-	-		-	-	-	-	-	-	-		-		-					
					Bottom	3.5	-	-	26.8	26.8	8.0	8.0	28.0	28.0	61.5	61.6	4.2	4.2	8.7	4.2	5				4.2	5
						3.5	-	-	26.8		8.0	8.0	28.0	28.0	61.6	61.6	4.2		8.8		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 06 September 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	09:34	8.7	Surface	1.0	0.5	211	<u>27.7</u>	27.7	8.3	8.3	31.2	31.2	<u>104.2</u>	106.1	6.9	6.0	2.0	6.0	8	8	815620	804230		
						1.0	0.5	204	<u>27.7</u>		8.3		31.2		108.0		7.1		2.0		7					
					Middle	4.4	0.5	201	<u>27.0</u>	27.0	8.1	8.1	32.6	32.6	<u>75.9</u>	76.0	5.0	5.1	7.5	5.1	7.3				5.1	8
						4.4	0.4	208	<u>27.0</u>		8.1		32.6		76.0		5.0		8							
					Bottom	7.7	0.5	231	<u>27.0</u>	27.0	8.1	8.1	32.6	32.6	<u>76.6</u>	76.7	5.1	5.1	8.5	5.1	8.5				5.1	8
						7.7	0.4	233	<u>27.0</u>		8.1		32.6		76.8		5.1		8.6		9					
C2	Sunny	Moderate	10:50	10.3	Surface	1.0	0.8	171	<u>28.4</u>	28.4	8.4	8.4	27.2	27.2	<u>146.8</u>	146.2	9.8	8.3	1.1	4.0	10	9	825664	806926		
						1.0	0.8	173	<u>28.4</u>		8.4		27.2		145.5		9.7		1.2		10					
					Middle	5.2	0.8	186	<u>27.7</u>	27.7	8.3	8.3	28.0	28.0	<u>102.4</u>	102.1	6.9	6.9	2.2	6.9	2.2				6.9	9
						5.2	0.8	185	<u>27.7</u>		8.3		28.0		101.8		6.9		2.2		9					
					Bottom	9.3	0.7	176	<u>27.4</u>	27.4	8.1	8.1	30.6	30.5	<u>71.9</u>	71.7	4.8	4.8	8.6	4.8	8.6				4.8	8
						9.3	0.7	182	<u>27.4</u>		8.1		30.4		71.4		4.8		8.5		9					
C3	Misty	Moderate	08:00	9.0	Surface	1.0	0.3	71	<u>26.8</u>	26.8	8.1	8.1	28.7	28.7	<u>89.7</u>	89.5	6.1	5.9	1.0	1.6	6	7	822097	817789		
						1.0	0.3	76	<u>26.8</u>		8.1		28.8		89.3		6.1		1.0		6					
					Middle	4.5	0.3	61	<u>26.7</u>	26.7	8.1	8.1	29.1	29.2	<u>82.9</u>	83.1	5.6	5.7	1.7	5.7	1.7				5.7	6
						4.5	0.3	57	<u>26.7</u>		8.1		29.2		83.3		5.7		1.7		6					
					Bottom	8.0	0.4	65	<u>26.7</u>	26.7	8.1	8.1	29.0	28.9	<u>78.7</u>	79.0	5.4	5.4	2.0	5.4	2.0				5.4	7
						8.0	0.4	65	<u>26.7</u>		8.1		28.9		79.2		5.4		1.9		8					
IM1	Sunny	Moderate	09:48	6.3	Surface	1.0	0.4	188	<u>28.0</u>	28.0	8.4	8.4	30.8	30.8	<u>133.4</u>	133.4	8.8	7.1	4.1	5.6	11	10	818334	806445		
						1.0	0.3	186	<u>28.0</u>		8.4		30.8		133.4		8.8		4.1		11					
					Middle	3.2	0.4	179	<u>27.2</u>	27.2	8.2	8.2	32.3	32.3	<u>81.6</u>	81.4	5.4	5.4	5.9	5.4	5.9				5.4	9
						3.2	0.4	180	<u>27.1</u>		8.2		32.3		81.1		5.4		5.9		10					
					Bottom	5.3	0.4	201	<u>27.0</u>	27.0	8.2	8.2	32.7	32.7	<u>68.0</u>	68.0	4.5	4.5	6.8	4.5	6.8				4.5	8
						5.3	0.4	205	<u>27.0</u>		8.2		32.7		68.0		4.5		6.8		8					
IM2	Sunny	Moderate	09:54	6.7	Surface	1.0	0.5	208	<u>28.0</u>	28.0	8.4	8.4	31.2	31.2	<u>129.2</u>	126.5	8.5	6.5	5.2	5.4	8	9	819161	806228		
						1.0	0.5	213	<u>28.0</u>		8.4		31.3		123.7		8.1		5.6		7					
					Middle	3.4	0.5	202	<u>27.0</u>	27.0	8.1	8.1	32.4	32.4	<u>73.0</u>	71.2	4.9	4.6	5.0	4.6	4.9				4.6	10
						3.4	0.5	196	<u>27.0</u>		8.1		32.4		69.3		4.6		4.9		9					
					Bottom	5.7	0.5	182	<u>26.9</u>	26.9	8.1	8.1	32.8	32.8	<u>63.8</u>	63.9	4.2	4.3	5.5	4.3	4.2				4.3	11
						5.7	0.5	175	<u>26.9</u>		8.1		32.8		64.0		4.3		6.0		10					
IM7	Sunny	Moderate	10:16	7.5	Surface	1.0	0.4	207	<u>28.0</u>	28.0	8.3	8.3	29.4	29.5	<u>136.7</u>	136.5	9.1	8.4	2.7	4.6	9	9	821363	806847		
						1.0	0.4	209	<u>27.9</u>		8.3		29.5		136.2		9.1		2.8		10					
					Middle	3.8	0.3	199	<u>27.8</u>	27.8	8.3	8.3	30.0	30.0	<u>113.1</u>	114.4	7.5	7.7	4.6	7.7	4.6				7.7	9
						3.8	0.3	206	<u>27.8</u>		8.3		30.0		115.7		7.7		4.6		8					
					Bottom	6.5	0.3	216	<u>27.7</u>	27.7	8.2	8.2	30.4	30.4	<u>102.7</u>	102.9	6.8	6.9	6.5	6.9	6.8				6.9	8
						6.5	0.3	216	<u>27.7</u>		8.2		30.4		103.1		6.9		6.7		7					

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

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

Water Quality Monitoring Results on 06 September 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	17:02	8.1	Surface	1.0	0.3	41	28.1	28.1	8.5	8.5	30.1	30.1	146.7	147.0	9.7	8.5	8.2	11.3	7	5	815600	804259		
						1.0	0.4	40	28.1		8.5		30.1		147.2		9.7		8.3		6					
					Middle	4.1	0.3	15	27.6	27.6	8.3	8.3	31.2	31.2	108.8	108.4	7.2	6.7	7.2	6.7	10.9				6.7	4
						4.1	0.3	20	27.6		8.3		31.2		108.0		7.2		10.1		6					
					Bottom	7.1	0.3	38	27.6	27.6	8.2	8.2	31.4	31.4	100.5	100.6	6.7	6.7	6.7	6.7	15.2				6.7	5
						7.1	0.3	32	27.6		8.2		31.4		100.6		6.7		15.1		4					
C2	Fine	Moderate	15:46	10.6	Surface	1.0	0.1	204	28.2	28.2	8.4	8.4	26.9	26.9	130.5	129.8	8.8	6.7	2.2	4.9	15	16	825664	806925		
						1.0	0.1	209	28.2		8.4		26.9		129.1		8.7		2.3		15					
					Middle	5.3	0.1	196	27.2	27.2	8.2	8.2	31.4	31.5	68.3	68.3	4.6	4.6	4.6	4.6	3.0				4.6	16
						5.3	0.1	197	27.2		8.2		31.5		68.3		4.6		3.0		16					
					Bottom	9.6	0.0	222	27.1	27.2	8.1	8.1	31.6	31.6	68.4	68.5	4.6	4.6	4.6	4.6	9.5				4.6	16
						9.6	0.0	218	27.2		8.1		31.6		68.6		4.6		9.3		17					
C3	Misty	Moderate	17:10	7.6	Surface	1.0	0.5	263	27.0	27.0	8.4	8.4	29.0	29.0	111.0	109.1	7.5	6.7	3.6	4.5	13	12	822101	817791		
						1.0	0.4	256	26.9		8.4		29.0		107.2		7.3		3.6		13					
					Middle	3.8	0.4	266	26.8	26.8	8.2	8.2	29.2	29.3	86.9	86.6	5.9	6.6	5.9	6.6	4.3				6.6	12
						3.8	0.4	270	26.7		8.2		29.4		86.3		5.9		4.3		12					
					Bottom	6.6	0.4	279	26.6	26.6	8.2	8.2	29.6	29.6	94.6	97.5	6.4	6.6	6.4	6.6	5.7				6.6	10
						6.6	0.4	277	26.6		8.2		29.6		100.4		6.8		5.7		11					
IM1	Fine	Moderate	16:39	6.4	Surface	1.0	0.2	8	27.9	27.9	8.5	8.5	31.1	31.1	153.6	152.0	10.1	8.9	6.0	8.3	5	6	818358	806434		
						1.0	0.2	13	27.8		8.5		31.2		150.4		9.9		6.1		5					
					Middle	3.2	0.2	23	27.6	27.6	8.3	8.3	31.7	31.7	117.7	117.8	7.8	7.7	7.8	7.7	7.5				7.7	7
						3.2	0.2	23	27.6		8.3		31.7		117.8		7.8		7.9		7					
					Bottom	5.4	0.1	14	27.6	27.6	8.3	8.3	31.9	31.9	116.9	116.8	7.7	7.7	7.7	7.7	11.0				7.7	7
						5.4	0.2	18	27.6		8.3		31.9		116.6		7.7		11.4		7					
IM2	Fine	Moderate	16:31	6.8	Surface	1.0	0.1	339	28.6	28.6	8.5	8.5	31.2	31.1	153.4	153.6	10.0	8.2	3.2	7.5	6	7	819162	806219		
						1.0	0.1	334	28.6		8.5		31.1		153.8		10.0		3.2		5					
					Middle	3.4	0.1	330	27.5	27.5	8.3	8.3	32.0	32.0	97.9	97.5	6.5	4.5	6.5	4.5	9.4				4.5	7
						3.4	0.1	334	27.4		8.3		32.1		97.1		6.4		9.1		8					
					Bottom	5.8	0.1	323	27.0	27.0	8.2	8.2	32.7	32.7	67.2	67.4	4.5	4.5	4.5	4.5	10.2				4.5	10
						5.8	0.1	322	27.0		8.2		32.7		67.5		4.5		10.0		8					
IM7	Fine	Moderate	16:08	7.8	Surface	1.0	0.2	289	28.6	28.6	8.5	8.5	27.9	27.9	159.2	158.9	10.6	9.3	2.4	2.9	11	9	821350	806823		
						1.0	0.2	290	28.6		8.5		27.9		158.5		10.5		2.4		12					
					Middle	3.9	0.2	298	28.0	28.0	8.3	8.3	28.9	28.9	121.5	121.4	8.1	7.9	8.1	7.9	2.7				7.9	9
						3.9	0.2	299	28.0		8.3		28.9		121.3		8.1		2.8		8					
					Bottom	6.8	0.2	289	28.0	28.0	8.3	8.3	29.1	29.1	117.8	117.9	7.9	7.9	7.9	7.9	3.5				7.9	7
						6.8	0.2	284	28.0		8.3		29.1		117.9		7.9		3.6		6					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 06 September 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	15:49	9.0	Surface	1.0	0.2	275	28.1	28.1	8.7	8.7	26.8	26.8	160.9	159.9	10.8	10.0	2.0	3.2	9	9	822226	809839		
						1.0	0.2	281	28.0		8.6		26.8		158.9		10.7		2.0		9					
					Middle	4.5	0.2	273	27.8	27.8	8.5	8.5	27.1	27.1	136.9	136.6	9.2	9.2	3.2	9.2	8				9.2	8
						4.5	0.2	273	27.8		8.5		27.1		136.3		9.2		3.2		9					
					Bottom	8.0	0.2	244	27.7	27.7	8.5	8.5	27.3	27.3	138.9	139.8	9.4	9.5	4.4	9.5	4.4				9.5	8
						8.0	0.1	236	27.7		8.5		27.3		140.7		9.5		4.3		8					
IM11	Misty	Moderate	16:06	7.4	Surface	1.0	0.2	282	28.1	28.1	8.5	8.5	27.0	27.0	158.2	157.7	10.7	10.3	3.8	4.4	8	7	821489	810560		
						1.0	0.2	282	28.1		8.5		27.0		157.2		10.6		3.8		7					
					Middle	3.7	0.2	269	28.0	28.0	8.5	8.5	27.0	27.0	149.2	149.2	10.0	10.0	4.2	10.0	4.3				10.1	6
						3.7	0.2	270	28.0		8.5		27.0		149.1		10.0		4.3		7					
					Bottom	6.4	0.3	285	28.0	28.0	8.3	8.3	27.0	27.0	149.8	149.9	10.1	10.1	5.1	10.1	5.1				10.1	6
						6.4	0.3	278	28.0		8.3		27.1		150.0		10.1		5.0		6					
IM12	Misty	Moderate	16:12	8.0	Surface	1.0	0.3	290	28.0	28.0	8.6	8.6	27.4	27.5	181.8	177.1	12.2	10.7	6.1	7.3	13	14	821141	811539		
						1.0	0.3	285	27.9		8.6		27.5		172.3		11.6		6.1		13					
					Middle	4.0	0.3	302	27.5	27.5	8.5	8.5	27.9	27.9	139.1	139.1	9.4	9.4	7.9	9.4	7.9				9.3	14
						4.0	0.3	302	27.5		8.5		27.9		139.1		9.4		7.9		14					
					Bottom	7.0	0.3	296	27.5	27.6	8.2	8.2	28.2	28.1	134.5	137.9	9.1	9.5	8.1	9.3	8.1				9.3	16
						7.0	0.3	289	27.7		8.3		28.0		141.3		9.5		8.0		16					
SR1A	Misty	Moderate	16:34	4.6	Surface	1.0	-	192	28.1	28.1	8.4	8.4	27.6	27.6	144.5	140.8	9.7	9.5	7.4	7.7	10	9	819982	812656		
						1.0	0.0	188	28.1		8.4		27.6		137.1		9.2		7.4		9					
					Middle	2.3	-	195	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.3	0.1	200	-		-		-		-		-		-		-					-
					Bottom	3.6	0.0	204	28.1	28.1	8.4	8.4	27.6	27.6	135.0	134.3	9.1	9.1	8.1	9.1	8.1				9.1	8
						3.6	0.0	206	28.0		8.4		27.6		133.5		9.0		8.0		9					
SR2	Misty	Moderate	16:48	5.6	Surface	1.0	0.1	229	27.6	27.6	8.4	8.4	28.2	28.3	128.9	127.1	8.7	8.6	5.3	5.9	10	11	821486	814171		
						1.0	0.1	221	27.6		8.4		28.3		125.3		8.5		5.2		10					
					Middle	-	0.1	221	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.0	217	-		-		-		-		-		-		-					
					Bottom	4.6	0.1	212	27.5	27.5	8.3	8.3	28.3	28.3	114.4	113.9	7.7	7.7	6.5	7.7	6.5				7.7	12
						4.6	0.1	209	27.4		8.3		28.3		113.4		7.7		6.6		12					
SR3	Fine	Moderate	16:02	8.1	Surface	1.0	0.0	189	29.2	29.2	8.6	8.6	26.7	26.7	209.7	207.2	13.9	10.4	1.4	2.6	7	8	822157	807568		
						1.0	0.1	194	29.2		8.6		26.7		204.7		13.5		1.4		8					
					Middle	4.1	0.1	176	27.9	27.9	8.3	8.3	29.0	29.0	105.6	105.5	7.1	7.0	1.9	7.0	1.8				7.0	8
						4.1	0.1	178	27.8		8.3		29.0		105.3		7.0		1.8		8					
					Bottom	7.1	0.1	207	27.7	27.7	8.3	8.3	29.8	29.8	99.5	99.6	6.6	6.6	4.4	6.6	4.4				6.6	10
						7.1	0.2	205	27.7		8.3		29.8		99.6		6.6		4.4		9					
SR4A	Fine	Moderate	17:28	8.6	Surface	1.0	0.0	269	28.6	28.6	8.3	8.3	30.3	30.3	129.6	129.4	8.5	8.4	10.2	10.9	7	7	817211	807829		
						1.0	0.1	263	28.6		8.3		30.3		129.2		8.5		10.4		6					
					Middle	4.3	0.0	284	28.6	28.6	8.3	8.3	30.3	30.3	125.8	125.7	8.2	8.2	10.7	8.2	10.8				8.2	6
						4.3	0.0	279	28.6		8.3		30.3		125.6		8.2		10.8		8					
					Bottom	7.6	0.0	253	28.6	28.6	8.3	8.3	30.3	30.3	124.0	123.9	8.1	8.1	11.7	8.1	11.7				8.1	8
						7.6	0.0	259	28.6		8.3		30.3		123.8		8.1		11.9		9					
SR8	Misty	Moderate	16:17	4.0	Surface	1.0	-	-	27.9	27.9	8.4	8.4	27.3	27.3	155.6	153.6	10.5	10.4	4.6	4.8	11	10	820393	811602		
						1.0	-	-	27.9		8.4		27.3		151.5		10.2		4.5		10					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	3.0	-	-	27.8	27.8	8.4	8.4	27.4	27.4	140.7	140.8	9.5	9.5	5.1	9.5	5.1				9.5	9
						3.0	-	-	27.7		8.4		27.4		140.9		9.5		5.0		9					

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
C1	Cloudy	Moderate	11:30	7.4	Surface	1.0	0.6	208	<u>27.9</u>	8.3	8.3	31.1	31.1	<u>107.3</u>	107.3	7.1	7.0	4.3	11.5	17	16	815596	804242						
						1.0	0.6	202	27.9	8.3	8.3	31.1	31.1	107.3	107.3	7.1	7.0	4.3	11.5	16									
					Middle	3.7	0.6	215	<u>27.6</u>	8.3	8.3	31.3	31.3	102.8	102.8	6.8	6.6	14.5	11.5	15				16	815596	804242			
						3.7	0.6	220	27.6	8.3	8.3	31.3	31.3	102.7	102.7	6.8	6.6	14.8	11.5	14									
					Bottom	6.4	0.5	201	<u>27.5</u>	8.2	8.2	31.3	31.3	100.1	100.0	6.6	6.6	15.9	11.5	15							16	815596	804242
						6.4	0.5	204	27.5	8.2	8.2	31.3	31.3	99.8	100.0	6.6	6.6	15.1	11.5	16									
C2	Cloudy	Moderate	12:58	10.9	Surface	1.0	0.6	156	<u>28.1</u>	8.3	8.3	30.1	30.1	96.2	96.2	6.4	6.1	6.3	9.9	15	17	825689	806964						
						1.0	0.7	158	28.1	8.3	8.3	30.1	30.1	96.1	96.2	6.4	6.1	6.3	9.9	15									
					Middle	5.5	0.6	177	<u>27.6</u>	8.3	8.3	30.7	30.7	87.2	87.2	5.8	5.7	10.5	9.9	18				17	825689	806964			
						5.5	0.6	180	27.6	8.3	8.3	30.7	30.7	87.1	87.1	5.8	5.7	10.9	9.9	21									
					Bottom	9.9	0.6	152	<u>27.6</u>	8.2	8.2	30.8	30.8	86.5	86.6	5.7	5.7	12.4	9.9	18							17	825689	806964
						9.9	0.6	148	27.6	8.2	8.2	30.8	30.8	86.6	86.6	5.7	5.7	12.8	9.9	17									
C3	Misty	Moderate	10:04	9.6	Surface	1.0	0.4	68	<u>27.0</u>	8.2	8.2	29.1	29.1	85.0	84.9	5.8	5.8	4.6	5.5	4	5	822130	817791						
						1.0	0.3	64	26.9	8.2	8.2	29.1	29.1	84.7	84.9	5.7	5.8	4.5	5.5	5									
					Middle	4.8	0.4	76	<u>26.9</u>	8.1	8.1	29.1	29.1	84.9	85.1	5.8	5.8	5.2	5.5	5				5	822130	817791			
						4.8	0.4	77	26.9	8.1	8.1	29.1	29.1	85.3	85.1	5.8	5.8	5.1	5.5	5									
					Bottom	8.6	0.4	106	<u>26.9</u>	8.1	8.1	29.2	29.1	87.1	87.2	5.9	5.9	6.8	5.5	4							5	822130	817791
						8.6	0.4	100	26.9	8.1	8.1	29.1	29.1	87.3	87.2	5.9	5.9	6.9	5.5	4									
IM1	Cloudy	Moderate	11:51	6.3	Surface	1.0	0.5	184	<u>27.6</u>	8.4	8.4	31.3	31.3	90.0	90.0	6.0	6.0	14.3	15.0	17	16	818340	806441						
						1.0	0.4	191	27.6	8.4	8.4	31.3	31.3	90.0	90.0	6.0	6.0	14.5	15.0	16									
					Middle	3.2	0.4	183	<u>27.5</u>	8.4	8.4	31.4	31.4	90.1	90.2	6.0	6.0	14.9	15.0	15				16	818340	806441			
						3.2	0.4	188	27.4	8.4	8.4	31.4	31.4	90.2	90.2	6.0	6.0	14.9	15.0	15									
					Bottom	5.3	0.4	215	<u>27.4</u>	8.4	8.4	31.4	31.4	89.7	89.7	6.0	6.0	15.7	15.0	14							16	818340	806441
						5.3	0.4	221	27.4	8.4	8.4	31.4	31.4	89.7	89.7	6.0	6.0	15.7	15.0	16									
IM2	Cloudy	Moderate	11:57	6.7	Surface	1.0	0.5	208	<u>27.9</u>	8.3	8.3	31.2	31.2	99.2	99.3	6.5	6.4	3.2	7.8	15	15	819160	806235						
						1.0	0.5	209	27.9	8.3	8.3	31.2	31.2	99.3	99.3	6.5	6.4	3.6	7.8	15									
					Middle	3.4	0.5	207	<u>27.5</u>	8.2	8.2	31.3	31.3	93.8	93.9	6.2	6.2	9.6	7.8	14				15	819160	806235			
						3.4	0.5	200	27.5	8.2	8.2	31.3	31.3	93.9	93.9	6.2	6.2	9.9	7.8	12									
					Bottom	5.7	0.5	215	<u>27.4</u>	8.2	8.2	31.4	31.4	91.5	91.5	6.1	6.1	10.1	7.8	17							15	819160	806235
						5.7	0.5	216	27.4	8.2	8.2	31.4	31.4	91.5	91.5	6.1	6.1	10.3	7.8	16									
IM7	Cloudy	Moderate	12:26	7.8	Surface	1.0	0.4	216	<u>28.0</u>	8.3	8.3	30.7	30.7	98.9	98.9	6.5	6.5	6.4	8.7	14	15	821351	806826						
						1.0	0.4	218	28.0	8.3	8.3	30.7	30.7	98.8	98.9	6.5	6.5	6.7	8.7	15									
					Middle	3.9	0.4	195	<u>27.9</u>	8.3	8.3	30.8	30.8	97.9	97.9	6.5	6.5	9.1	8.7	16				15	821351	806826			
						3.9	0.4	189	27.9	8.3	8.3	30.8	30.8	97.8	97.9	6.5	6.5	9.3	8.7	15									
					Bottom	6.8	0.3	191	<u>27.7</u>	8.3	8.3	31.1	31.1	93.3	93.3	6.2	6.2	10.1	8.7	16							15	821351	806826
						6.8	0.3	197	27.8	8.3	8.3	31.1	31.1	93.3	93.3	6.2	6.2	10.4	8.7	15									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 08 September 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	11:25	8.8	Surface	1.0	0.5	127	27.1	27.1	8.3	8.3	28.8	28.8	90.0	90.0	6.1	6.1	4.1	5.3	8	8	822261	809820		
						1.0	0.5	121	27.1		8.3		28.8		90.0		6.1		4.1		8					
					Middle	4.4	0.5	119	27.0	27.0	8.3	8.3	28.8	28.8	90.4	90.5	6.1	6.1	5.1	6.2	6.6				6.6	8
						4.4	0.5	125	27.0		8.3		28.8		90.5		6.1		5.1		8					
					Bottom	7.8	0.5	96	27.2	27.3	8.3	8.3	28.7	28.7	91.3	91.4	6.2	6.2	6.6	6.2	6.6				6.2	7
						7.8	0.5	100	27.3		8.3		28.7		91.5		6.2		6.6		8					
IM11	Misty	Moderate	11:14	9.0	Surface	1.0	0.5	86	27.4	27.4	8.2	8.2	28.5	28.5	97.5	97.7	6.6	6.7	7.4	8.2	13	10	821504	810562		
						1.0	0.5	86	27.4		8.2		28.5		97.9		6.6		7.5		12					
					Middle	4.5	0.5	116	27.2	27.2	8.3	8.3	28.7	28.7	99.1	99.2	6.7	6.7	8.2	6.8	8.1				6.8	8
						4.5	0.5	123	27.1		8.3		28.7		99.3		6.7		8.1		8					
					Bottom	8.0	0.6	91	26.8	26.8	8.3	8.3	28.9	28.9	100.1	100.2	6.8	6.8	9.0	6.8	9.0				6.8	8
						8.0	0.5	84	26.7		8.3		28.9		100.2		6.8		9.0		7					
IM12	Misty	Moderate	11:06	7.2	Surface	1.0	0.6	87	27.2	27.2	8.3	8.3	28.6	28.6	95.1	95.1	6.4	6.5	7.8	8.5	12	9	821155	811497		
						1.0	0.6	91	27.2		8.3		28.6		95.1		6.4		7.7		10					
					Middle	3.6	0.7	119	26.9	26.9	8.3	8.3	28.8	28.8	95.3	95.4	6.5	6.5	8.8	6.8	8.9				6.8	10
						3.6	0.7	118	26.9		8.3		28.8		95.4		6.5		8.9		8					
					Bottom	6.2	0.6	119	26.7	26.7	8.3	8.3	28.9	28.9	99.3	99.5	6.8	6.8	9.1	6.8	9.1				6.8	7
						6.2	0.6	125	26.6		8.3		29.0		99.6		6.8		9.0		8					
SR1A	Misty	Moderate	10:43	4.0	Surface	1.0	0.1	92	27.5	27.5	8.2	8.2	28.6	28.6	95.7	95.7	6.4	6.4	6.6	7.0	5	5	819976	812657		
						1.0	-	97	27.5		8.2		28.6		95.7		6.4		6.5		4					
					Middle	2.0	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.0	-	95	-		-		-		-		-		-		-					
					Bottom	3.0	-	83	27.5	27.5	8.2	8.2	28.6	28.5	95.5	95.7	6.4	6.5	7.4	6.5	7.4				6.5	5
						3.0	0.0	79	27.5		8.2		28.5		95.9		6.5		7.5		5					
SR2	Misty	Moderate	10:30	4.4	Surface	1.0	0.6	37	27.4	27.4	8.2	8.2	28.6	28.6	93.7	93.6	6.3	6.3	4.4	4.7	3	5	821475	814167		
						1.0	0.5	37	27.4		8.2		28.6		93.5		6.3		4.4		5					
					Middle	-	0.5	56	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.5	62	-		-		-		-		-		-							
					Bottom	3.4	0.5	54	27.5	27.5	8.2	8.2	28.6	28.6	94.0	94.4	6.3	6.4	5.0	6.4	5.0				6.4	5
						3.4	0.5	56	27.5		8.2		28.6		94.8		6.4		5.0		6					
SR3	Cloudy	Moderate	12:34	8.5	Surface	1.0	0.6	154	28.3	28.3	8.3	8.3	30.2	30.2	98.6	98.6	6.5	6.3	5.0	9.6	14	15	822151	807571		
						1.0	0.6	160	28.3		8.3		30.2		98.6		6.5		5.3		15					
					Middle	4.3	0.6	165	27.7	27.7	8.2	8.2	30.8	30.8	90.0	89.9	6.0	6.3	9.4	6.3	14					
						4.3	0.6	168	27.6		8.2		30.8		89.8		6.0		9.5		16					
					Bottom	7.5	0.6	182	27.6	27.6	8.2	8.2	30.9	30.9	89.0	89.1	5.9	5.9	14.2	5.9	14.5				5.9	15
						7.5	0.6	182	27.6		8.2		30.9		89.1		5.9		14.5		15					
SR4A	Cloudy	Moderate	11:13	9.2	Surface	1.0	0.0	84	28.1	28.1	8.2	8.2	30.8	30.8	108.3	108.3	7.1	7.0	3.8	6.7	19	18	817197	807824		
						1.0	0.0	87	28.1		8.2		30.8		108.2		7.1		3.9		17					
					Middle	4.6	-	62	27.5	27.5	8.2	8.2	31.2	31.2	101.9	102.0	6.8	6.4	6.9	6.4	6.9				6.4	18
						4.6	-	67	27.5		8.2		31.2		102.0		6.8		6.9		17					
					Bottom	8.2	0.0	89	27.5	27.5	8.1	8.1	31.3	31.3	96.5	96.6	6.4	6.4	9.4	6.4	9.2				6.4	17
						8.2	0.0	90	27.5		8.1		31.3		96.6		6.4		9.2		18					
SR8	Misty	Moderate	11:02	5.4	Surface	1.0	-	-	27.6	27.6	8.2	8.2	28.4	28.5	93.0	93.0	6.3	6.3	8.8	8.9	13	11	820404	811604		
						1.0	-	-	27.5		8.2		28.5		93.0		6.3		8.8		13					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-							
					Bottom	4.4	-	-	27.5	27.5	8.2	8.2	28.5	28.5	94.2	94.6	6.3	6.4	9.0	6.4	9.0				6.4	10
						4.4	-	-	27.5		8.2		28.5		94.6		6.4		9.0		8					

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

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

Water Quality Monitoring Results on 08 September 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	18:07	8.4	Surface	1.0	0.4	41	28.0	28.0	8.3	8.2	30.9	30.9	93.7	93.7	6.2	6.2	12.6	10.9	8	9	9	815600	804252
						1.0	0.4	34	27.9	8.2	8.2	30.9	30.9	93.6	93.7	6.2	6.2	10.3							
					Middle	4.2	0.4	20	27.9	27.9	8.2	8.2	31.0	31.0	92.6	92.7	6.1	6.1	12.2	12.1	10	8			
						4.2	0.4	23	27.9	27.9	8.2	8.2	31.0	31.0	92.7	92.7	6.1	6.1	12.1	12.1	8	9			
					Bottom	7.4	0.3	51	27.9	27.9	8.2	8.2	31.1	31.0	89.1	89.1	5.9	5.9	15.1	15.0	9	9			
						7.4	0.3	47	27.9	27.9	8.2	8.2	31.0	31.0	89.0	89.1	5.9	5.9	15.0	15.0	9	9			
C2	Rainy	Moderate	17:07	10.8	Surface	1.0	0.3	179	28.2	28.2	8.3	8.3	29.6	29.6	100.0	100.0	6.6	6.6	8.9	6.5	7	7	11	825666	806938
						1.0	0.2	175	28.2	28.2	8.3	8.3	29.7	29.6	100.0	100.0	6.6	6.6							
					Middle	5.4	0.3	173	28.0	28.0	8.3	8.3	30.1	30.1	94.4	94.3	6.2	6.2	7.0	7.0	10	8			
						5.4	0.3	169	28.0	28.0	8.3	8.3	30.2	30.1	94.2	94.3	6.2	6.2	7.0	7.0	8	11			
					Bottom	9.8	0.3	156	27.8	27.8	8.2	8.2	30.8	30.8	87.0	87.1	5.8	5.8	13.1	13.2	11	24			
						9.8	0.3	152	27.8	27.8	8.2	8.2	30.8	30.8	87.2	87.1	5.8	5.8	13.2	13.2	24	24			
C3	Misty	Moderate	18:11	7.6	Surface	1.0	0.4	268	27.3	27.3	8.2	8.2	28.7	28.7	94.7	94.7	6.4	6.4	6.5	4.1	5	6	7	822094	817792
						1.0	0.4	275	27.3	27.3	8.2	8.2	28.7	28.7	94.7	94.7	6.4	6.4							
					Middle	3.8	0.5	270	27.1	27.1	8.2	8.2	28.8	28.8	95.3	95.4	6.5	6.5	5.3	5.3	7	7			
						3.8	0.5	272	27.1	27.1	8.2	8.2	28.8	28.8	95.5	95.4	6.5	6.5	5.3	5.3	7	7			
					Bottom	6.6	0.5	273	26.7	26.7	8.2	8.2	29.0	29.0	97.3	97.6	6.6	6.6	6.1	6.1	7	7			
						6.6	0.5	275	26.7	26.7	8.2	8.2	29.1	29.0	97.8	97.6	6.7	6.7	6.1	6.1	7	7			
IM1	Rainy	Moderate	17:51	6.2	Surface	1.0	0.1	30	28.2	28.2	8.3	8.3	30.9	30.9	102.7	102.7	6.8	6.8	6.6	14.0	9	10	10	818340	806456
						1.0	0.1	37	28.2	28.2	8.3	8.3	30.9	30.9	102.6	102.7	6.7	6.7							
					Middle	3.1	0.1	15	27.8	27.8	8.2	8.2	31.3	31.3	97.6	97.4	6.4	6.4	13.1	13.7	10	10			
						3.1	0.1	15	27.7	27.7	8.2	8.2	31.3	31.3	97.2	97.4	6.4	6.4	13.7	13.7	10	10			
					Bottom	5.2	0.1	30	27.7	27.7	8.2	8.2	31.5	31.4	90.9	91.0	6.0	6.0	15.7	15.3	10	10			
						5.2	0.2	26	27.7	27.7	8.2	8.2	31.4	31.4	91.1	91.0	6.0	6.0	15.3	15.3	10	10			
IM2	Rainy	Moderate	17:44	6.9	Surface	1.0	0.1	320	28.2	28.2	8.4	8.4	31.3	31.3	131.0	130.3	8.6	8.6	7.9	2.5	7	8	8	819179	806223
						1.0	0.0	315	28.2	28.2	8.4	8.4	31.3	31.3	129.5	129.5	8.5	8.5							
					Middle	3.5	0.0	299	27.6	27.6	8.4	8.4	31.3	31.3	110.0	110.0	7.3	7.3	4.7	4.7	7	7			
						3.5	0.0	298	27.6	27.6	8.4	8.4	31.4	31.3	109.9	110.0	7.3	7.3	4.7	4.7	8	8			
					Bottom	5.9	0.1	289	27.5	27.5	8.3	8.3	31.4	31.4	96.0	96.1	6.4	6.4	16.1	16.7	9	8			
						5.9	0.1	283	27.5	27.5	8.3	8.3	31.4	31.4	96.1	96.1	6.4	6.4	16.7	16.7	8	8			
IM7	Rainy	Moderate	17:27	7.3	Surface	1.0	0.2	285	28.2	28.2	8.2	8.2	30.0	30.0	100.0	100.1	6.6	6.6	6.6	9.6	10	11	10	821349	806858
						1.0	0.2	280	28.2	28.2	8.2	8.2	30.0	30.0	100.1	100.1	6.6	6.6							
					Middle	3.7	0.1	261	28.1	28.1	8.2	8.2	30.0	30.0	98.1	98.0	6.5	6.5	9.7	9.6	9	8			
						3.7	0.1	254	28.1	28.1	8.2	8.2	30.0	30.0	97.9	98.0	6.5	6.5	9.6	9.6	8	8			
					Bottom	6.3	0.2	285	28.1	28.1	8.2	8.2	30.0	30.0	96.6	96.5	6.4	6.4	15.4	15.5	12	10			
						6.3	0.2	283	28.1	28.1	8.2	8.2	30.0	30.0	96.3	96.5	6.4	6.4	15.5	15.5	10	10			

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Moderate	17:06	9.2	Surface	1.0	0.2	249	28.1	28.1	8.6	8.6	27.5	27.5	104.0	103.9	7.0	6.8	7.0	8.2	12	11	822247	809836			
						1.0	0.2	247	28.1		8.6		27.5		103.7		7.0		7.0		10						
					Middle	4.6	0.2	227	28.0	8.6	8.6	27.5	27.5	98.6	98.6	6.6	6.6	8.5	12								
						4.6	0.1	231	28.0	8.6	8.6	27.5	27.5	98.6	98.6	6.6	6.6	8.9	11								
					Bottom	8.2	0.1	222	28.0	8.6	8.6	27.4	27.4	98.3	98.3	6.6	6.6	9.1	11								
						8.2	0.2	223	28.0	8.6	8.6	27.4	27.4	98.3	98.3	6.6	6.6	9.0	10								
IM11	Misty	Moderate	17:11	8.4	Surface	1.0	0.3	260	27.8	27.8	8.3	8.3	27.9	27.9	99.0	98.9	6.7	6.6	6.2	7.4	8	9	821496	810524			
						1.0	0.2	253	27.8		8.3		27.9		98.8		6.6		6.1		9						
					Middle	4.2	0.2	268	27.8	8.3	8.3	28.0	28.0	98.7	98.8	6.6	6.6	7.7	10								
						4.2	0.2	269	27.8	8.3	8.3	28.0	28.0	98.8	98.8	6.6	6.6	7.6	9								
					Bottom	7.4	0.2	271	27.8	8.3	8.3	27.9	27.9	99.4	99.5	6.7	6.7	8.4	8								
						7.4	0.2	270	27.8	8.3	8.3	27.9	27.9	99.6	99.6	6.7	6.7	8.4	10								
IM12	Misty	Moderate	17:16	6.8	Surface	1.0	0.3	289	27.7	27.7	8.3	8.3	28.1	28.2	97.3	97.3	6.5	6.6	6.5	7.3	8	7	821166	811513			
						1.0	0.3	285	27.7		8.3		28.2		97.3		6.5		6.4		7						
					Middle	3.4	0.3	285	27.7	8.3	8.3	28.2	28.2	97.5	97.6	6.6	6.6	7.4	6								
						3.4	0.3	292	27.7	8.3	8.3	28.2	28.2	97.7	97.6	6.6	6.6	7.4	6								
					Bottom	5.8	0.3	273	27.7	8.3	8.3	28.2	28.1	98.6	98.8	6.6	6.7	8.1	8								
						5.8	0.3	274	27.7	8.3	8.3	28.1	28.1	99.0	98.8	6.7	6.7	8.0	8								
SR1A	Misty	Moderate	17:38	5.2	Surface	1.0	0.0	190	27.6	27.6	8.2	8.2	28.6	28.6	97.5	97.7	6.6	6.6	7.2	7.8	6	6	819976	812659			
						1.0	0.1	190	27.6		8.2		28.6		97.9		6.6		7.2		6						
					Middle	2.6	0.0	190	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.6	0.0	195	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	-	206	27.5	8.2	8.2	28.6	28.2	98.3	98.2	6.6	6.6	8.5	6								
						4.2	0.0	205	27.5	8.2	8.2	27.9	28.2	98.0	98.2	6.6	6.6	8.4	6								
SR2	Misty	Moderate	17:50	5.6	Surface	1.0	0.1	231	27.5	27.5	8.2	8.2	28.3	28.3	96.1	96.2	6.5	6.5	7.7	7.9	4	5	821463	814183			
						1.0	0.1	226	27.5		8.2		28.4		96.3		6.5		7.6		5						
					Middle	-	0.1	239	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.1	232	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.6	0.1	242	27.4	8.2	8.2	28.3	28.2	97.4	97.7	6.6	6.6	8.2	6								
						4.6	0.1	240	27.5	8.2	8.2	28.2	28.2	98.0	97.7	6.6	6.6	8.2	6								
SR3	Rainy	Moderate	17:22	8.3	Surface	1.0	0.1	200	28.1	28.1	8.3	8.3	30.1	30.1	96.5	96.5	6.4	6.4	8.2	12.1	6	7	822159	807578			
						1.0	0.2	201	28.1		8.3		30.1		96.5		6.4		8.8		7						
					Middle	4.2	0.1	174	28.1	8.2	8.2	30.1	30.1	95.7	95.7	6.3	6.3	13.6	6								
						4.2	0.1	168	28.1	8.2	8.2	30.1	30.1	95.6	95.6	6.3	6.3	13.4	7								
					Bottom	7.3	0.1	193	28.1	8.2	8.2	30.1	30.1	94.3	94.1	6.2	6.2	14.0	7								
						7.3	0.1	197	28.1	8.2	8.2	30.1	30.1	93.9	94.1	6.2	6.2	14.4	8								
SR4A	Rainy	Moderate	18:25	8.2	Surface	1.0	0.1	210	28.3	28.3	8.3	8.3	30.8	30.8	106.6	106.6	7.0	7.0	12.1	14.5	21	20	817193	807817			
						1.0	0.1	206	28.3		8.3		30.8		106.6		7.0		12.0		19						
					Middle	4.1	0.0	219	28.3	8.3	8.3	30.8	30.8	105.5	105.5	6.9	6.9	14.6	22								
						4.1	0.0	223	28.3	8.3	8.3	30.8	30.8	105.4	105.4	6.9	6.9	14.2	24								
					Bottom	7.2	0.0	221	28.4	8.2	8.2	30.8	30.8	100.2	100.0	6.6	6.6	16.9	22								
						7.2	0.0	224	28.4	8.2	8.2	30.8	30.8	99.8	100.0	6.5	6.6	17.0	12								
SR8	Misty	Moderate	17:22	4.2	Surface	1.0	-	-	28.0	28.0	8.2	8.2	28.4	28.4	93.6	93.7	6.3	6.3	4.4	4.7	6	6	820368	811605			
						1.0	-	-	28.0		8.2		28.4		93.7		6.3		4.3		6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	3.2	-	-	27.9	8.2	8.2	28.4	28.4	94.0	94.1	6.3	6.3	5.1	7								
						3.2	-	-	27.9	8.2	8.2	28.4	28.4	94.2	94.1	6.3	6.3	5.1	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 10 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	13:47	7.8	Surface	1.0	0.6	219	<u>28.4</u>	8.2	8.2	<u>30.8</u>	30.8	<u>95.4</u>	95.4	6.3	6.2	4.3	11.5	7	8	815640	804268	
						1.0	0.6	220	28.4	8.2	8.2	30.8	95.4	6.3	4.3	8								
					Middle	3.9	0.6	220	<u>28.1</u>	8.2	8.2	<u>31.0</u>	31.0	<u>92.7</u>	92.7	6.1		14.5		8				
						3.9	0.6	223	28.1	8.2	8.2	31.0	92.7	6.1	14.8	9								
					Bottom	6.8	0.6	214	<u>28.0</u>	8.1	8.1	<u>31.0</u>	31.0	<u>88.2</u>	88.2	5.8		15.9		9				
						6.8	0.6	208	28.0	8.1	8.1	31.0	88.2	5.8	15.1	8								
C2	Cloudy	Moderate	12:31	11.2	Surface	1.0	0.5	170	<u>28.6</u>	8.2	8.2	<u>29.8</u>	29.8	<u>89.1</u>	89.1	5.9	5.8	6.3	9.9	8	9	825698	806949	
						1.0	0.6	168	28.6	8.2	8.2	29.8	89.1	5.9	6.3	7								
					Middle	5.6	0.5	158	<u>28.1</u>	8.2	8.2	<u>30.4</u>	30.4	<u>86.5</u>	86.5	5.7		10.5		9				
						5.6	0.6	153	28.1	8.2	8.2	30.4	86.5	5.7	10.9	9								
					Bottom	10.2	0.6	152	<u>28.1</u>	8.2	8.2	<u>30.5</u>	30.5	<u>83.2</u>	83.2	5.5		12.4		9				
						10.2	0.6	148	28.1	8.2	8.2	30.5	83.2	5.5	12.8	10								
C3	Cloudy	Moderate	11:23	12.3	Surface	1.0	0.4	79	<u>27.8</u>	8.0	8.0	<u>31.5</u>	31.5	<u>81.9</u>	81.8	5.4	5.2	4.1	6.0	9	9	822104	817799	
						1.0	0.4	84	27.7	8.0	8.0	31.6	81.7	5.4	4.2	9								
					Middle	6.2	0.4	88	<u>27.5</u>	8.0	8.0	<u>32.2</u>	32.2	<u>73.8</u>	73.7	4.9		6.0		9				
						6.2	0.4	85	27.5	8.0	8.0	32.2	73.8	4.9	6.4	9								
					Bottom	11.3	0.4	96	<u>27.4</u>	7.9	7.9	<u>32.4</u>	32.4	<u>73.9</u>	74.0	4.9		7.7		10				
						11.3	0.4	101	27.4	7.9	7.9	32.3	74.1	4.9	7.4	10								
IM1	Cloudy	Moderate	13:29	6.2	Surface	1.0	0.5	203	<u>28.3</u>	8.2	8.2	<u>30.2</u>	30.2	<u>90.2</u>	90.2	5.9	5.9	6.1	10.5	7	8	818338	806462	
						1.0	0.5	206	28.3	8.2	8.2	30.2	90.2	5.9	6.1	7								
					Middle	3.1	0.4	175	<u>28.0</u>	8.2	8.2	<u>30.9</u>	30.9	<u>89.4</u>	89.2	5.9		7.8		8				
						3.1	0.5	171	27.9	8.2	8.2	30.9	88.9	5.9	7.6	7								
					Bottom	5.2	0.4	185	<u>27.9</u>	8.1	8.1	<u>31.3</u>	31.3	<u>82.7</u>	82.8	5.5		17.6		9				
						5.2	0.4	181	27.9	8.1	8.1	31.3	82.8	5.5	18.1	8								
IM2	Cloudy	Moderate	13:22	6.6	Surface	1.0	0.5	202	<u>28.4</u>	8.2	8.2	<u>30.2</u>	30.2	<u>97.1</u>	97.1	6.4	6.1	5.8	6.6	12	10	819159	806222	
						1.0	0.5	198	28.3	8.2	8.2	30.2	97.0	6.4	6.0	11								
					Middle	3.3	0.5	192	<u>28.0</u>	8.2	8.2	<u>30.4</u>	30.4	<u>87.4</u>	87.4	5.8		7.1		10				
						3.3	0.5	199	28.0	8.2	8.2	30.4	87.3	5.8	7.1	9								
					Bottom	5.6	0.5	213	<u>28.0</u>	8.2	8.2	<u>30.5</u>	30.6	<u>86.0</u>	86.0	5.7		6.9		8				
						5.6	0.5	205	28.0	8.2	8.2	30.6	85.9	5.7	6.8	9								
IM7	Cloudy	Moderate	13:05	8.1	Surface	1.0	0.3	183	<u>28.6</u>	8.2	8.2	<u>29.9</u>	30.0	<u>91.2</u>	91.1	6.0	6.0	4.7	7.5	12	11	821330	806857	
						1.0	0.3	183	28.5	8.2	8.2	30.0	91.0	6.0	5.1	12								
					Middle	4.1	0.3	190	<u>28.3</u>	8.1	8.1	<u>30.5</u>	30.5	<u>89.6</u>	89.6	5.9		8.0		12				
						4.1	0.4	194	28.3	8.1	8.1	30.5	89.5	5.9	8.3	10								
					Bottom	7.1	0.3	170	<u>28.3</u>	8.1	8.1	<u>30.6</u>	30.6	<u>89.7</u>	89.8	5.9		9.5		10				
						7.1	0.3	176	28.3	8.1	8.1	30.6	89.8	5.9	9.5	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 10 September 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	Cloudy	Moderate	13:00	7.7	Surface	1.0	0.5	100	28.3	28.3	8.2	8.2	30.4	30.4	86.7	86.6	5.7	5.7	8.6	10.6	9	11	822231	809844	
						1.0	0.5	104	28.3		8.2	8.2	30.5	30.4	86.4	86.6	5.7		8.7						
					Middle	3.9	0.5	129	28.2	28.2	8.1	8.1	30.6	30.6	85.6	85.6	5.6	5.6	10.4	10.6	10				
						3.9	0.5	132	28.2		8.1	8.1	30.6	30.6	85.6	85.6	5.6		10.3						
					Bottom	6.7	0.5	115	28.2	28.2	8.1	8.1	30.6	30.6	85.7	85.7	5.6	5.6	12.8	10.6	14				
						6.7	0.5	113	28.2		8.1	8.1	30.6	30.6	85.6	85.7	5.6		12.9		15				
IM11	Cloudy	Moderate	12:52	7.5	Surface	1.0	0.6	97	28.3	28.3	8.2	8.2	30.0	30.0	84.5	84.5	5.6	5.6	6.4	9.2	10	11	821491	810548	
						1.0	0.6	101	28.3		8.2	8.2	30.0	30.0	84.4	84.5	5.6		6.4						
					Middle	3.8	0.6	105	28.2	28.2	8.2	8.2	30.1	30.1	83.9	83.9	5.5	5.5	8.6		9.2				10
						3.8	0.6	109	28.2		8.2	8.2	30.1	30.1	83.9	83.9	5.5		9.2						
					Bottom	6.5	0.6	101	28.2	28.2	8.1	8.1	30.1	30.1	84.8	84.9	5.6	5.6	12.1		9.2				11
						6.5	0.6	95	28.2		8.1	8.1	30.1	30.1	84.9	84.9	5.6		12.4						11
IM12	Cloudy	Moderate	12:30	9.2	Surface	1.0	0.7	112	28.2	28.2	8.1	8.1	30.1	30.1	84.2	84.2	5.6	5.6	9.5	10.9	10	12	821150	811542	
						1.0	0.6	105	28.2		8.1	8.1	30.1	30.1	84.2	84.2	5.6		9.7						
					Middle	4.6	0.6	112	28.1	28.1	8.1	8.1	30.1	30.1	83.7	83.7	5.5	5.5	10.1		10.9				12
						4.6	0.6	114	28.1		8.1	8.1	30.1	30.1	83.7	83.7	5.5		11.0						
					Bottom	8.2	0.6	102	28.1	28.1	8.1	8.1	30.1	30.1	83.6	83.6	5.5	5.5	12.4		10.9				13
						8.2	0.5	102	28.1		8.1	8.1	30.1	30.1	83.6	83.6	5.5		12.6						14
SR1A	Cloudy	Moderate	12:03	5.8	Surface	1.0	0.0	60	28.3	28.3	8.1	8.1	30.5	30.5	82.9	82.8	5.5	5.5	6.2	5.9	11	12	819980	812666	
						1.0	0.0	61	28.3		8.1	8.1	30.5	30.5	82.7	82.8	5.4		6.1						
					Middle	2.9	0.0	68	-	-	-	-	-	-	-	-	-	-	-		5.9				-
						2.9	0.0	65	-		-	-	-	-	-	-	-		-						-
					Bottom	4.8	0.0	62	28.2	28.2	8.0	8.0	30.5	30.5	81.1	81.1	5.3	5.3	5.7		5.9				13
						4.8	0.0	65	28.2		8.0	8.0	30.5	30.5	81.0	81.1	5.3		5.7						13
SR2	Cloudy	Moderate	11:48	4.8	Surface	1.0	0.4	59	28.4	28.4	8.1	8.1	30.0	30.0	87.6	87.6	5.8	5.8	4.9	6.5	10	10	821471	814158	
						1.0	0.4	55	28.4		8.1	8.1	30.0	30.0	87.6	87.6	5.8		5.1						
					Middle	-	0.4	59	-	-	-	-	-	-	-	-	-	-	-		6.5				-
						-	0.4	52	-		-	-	-	-	-	-	-		-						-
					Bottom	3.8	0.4	67	28.0	28.0	8.0	8.0	30.6	30.6	82.1	82.1	5.4	5.4	8.0		6.5				10
						3.8	0.4	67	28.0		8.0	8.0	30.6	30.6	82.1	82.1	5.4		8.1						8
SR3	Cloudy	Moderate	12:59	8.9	Surface	1.0	0.5	157	28.2	28.2	8.2	8.2	30.2	30.2	84.9	84.8	5.6	5.6	6.9	12.4	5	7	822123	807571	
						1.0	0.5	163	28.1		8.2	8.2	30.3	30.2	84.6	84.8	5.6		6.9						
					Middle	4.5	0.5	166	28.0	28.0	8.1	8.1	30.6	30.6	83.2	83.1	5.5	5.5	7.9		12.4				6
						4.5	0.5	167	28.0		8.1	8.1	30.6	30.6	83.0	83.1	5.5		8.1						6
					Bottom	7.9	0.5	158	28.0	28.0	8.1	8.1	30.7	30.7	83.1	83.1	5.5	5.5	21.2		12.4				7
						7.9	0.4	150	28.0		8.1	8.1	30.7	30.7	83.1	83.1	5.5		23.3						8
SR4A	Cloudy	Moderate	14:05	9.1	Surface	1.0	0.0	20	28.6	28.6	8.1	8.1	30.6	30.6	92.5	92.5	6.0	6.0	3.8	6.7	8	8	817197	807800	
						1.0	0.0	16	28.6		8.1	8.1	30.6	30.6	92.5	92.5	6.0		3.9						
					Middle	4.6	0.0	37	28.0	28.0	8.1	8.1	30.9	30.9	91.2	91.2	6.0	6.0	6.9		6.7				9
						4.6	0.1	34	28.0		8.1	8.1	30.9	30.9	91.2	91.2	6.0		6.9						8
					Bottom	8.1	0.0	7	28.0	28.0	8.1	8.1	31.0	31.0	86.6	86.6	5.7	5.7	9.4		6.7				8
						8.1	0.0	12	28.0		8.1	8.1	31.0	31.0	86.6	86.6	5.7		9.2						8
SR8	Cloudy	Moderate	12:26	5.0	Surface	1.0	-	-	28.2	28.2	8.1	8.1	30.3	30.3	87.8	88.1	5.8	5.8	8.0	8.4	8	8	820383	811645	
						1.0	-	-	28.2		8.1	8.1	30.3	30.3	88.3	88.1	5.8		8.2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		8.4				-
						-	-	-	-		-	-	-	-	-	-	-		-						-
					Bottom	4.0	-	-	28.1	28.2	8.1	8.1	30.3	30.3	89.4	89.6	5.9	5.9	8.7		8.4				7
						4.0	-	-	28.2		8.1	8.1	30.3	30.3	89.7	89.6	5.9		8.9						7

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

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

Water Quality Monitoring Results on 10 September 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	19:09	8.6	Surface	1.0	0.3	18	28.5	28.5	8.1	8.1	30.7	30.7	83.3	83.3	5.5	5.5	10.9	12.6	9	8	815611	804248
						1.0	0.3	13	28.4		8.1		30.7		83.2		5.5		10.3		10			
					Middle	4.3	0.3	29	28.4	28.4	8.1	8.1	30.8	30.8	82.2	82.3	5.4	5.4	12.2	9				
						4.3	0.4	21	28.4		8.1		30.8		82.3		5.4		12.1	8				
					Bottom	7.6	0.3	48	28.4	28.4	8.1	8.0	30.8	30.8	78.7	78.7	5.2	5.2	15.1	6				
						7.6	0.3	52	28.4		8.0		30.8		78.6		5.1		15.0	6				
C2	Rainy	Moderate	18:09	10.8	Surface	1.0	0.1	165	28.7	28.7	8.2	8.2	29.4	29.4	94.8	94.8	6.2	6.1	6.5	8.9	5	7	825663	806949
						1.0	0.1	170	28.7		8.2		29.4		94.8		6.2		6.6		6			
					Middle	5.4	0.1	171	28.5	28.5	8.2	8.2	29.8	29.9	89.2	89.1	5.9	5.9	7.0		8			
						5.4	0.1	172	28.5		8.2		29.9		89.0		5.9		7.0		7			
					Bottom	9.8	0.1	164	28.3	28.3	8.2	8.2	30.5	30.5	81.8	81.9	5.4	5.4	13.1		7			
						9.8	0.2	161	28.3		8.2		30.5		82.0		5.4		13.2		7			
C3	Cloudy	Moderate	19:30	10.4	Surface	1.0	0.5	269	28.3	28.3	8.1	8.1	30.5	30.5	84.1	84.0	5.5	5.5	15.1	15.8	10	8	822114	817794
						1.0	0.4	269	28.3		8.1		30.5		83.8		5.5		15.7		9			
					Middle	5.2	0.4	275	28.2	28.2	8.0	8.0	30.7	30.7	82.5	82.4	5.4	5.4	15.2		8			
						5.2	0.4	269	28.2		8.0		30.7		82.3		5.4		15.2		8			
					Bottom	9.4	0.5	277	28.2	28.2	8.0	8.0	30.8	30.7	82.1	82.2	5.4	5.4	16.8		6			
						9.4	0.5	283	28.2		8.0		30.7		82.2		5.4		16.8		8			
IM1	Rainy	Moderate	18:53	6.4	Surface	1.0	0.2	23	28.7	28.7	8.1	8.1	30.6	30.6	92.3	92.3	6.0	5.9	14.0	14.2	8	7	818337	806480
						1.0	0.2	18	28.7		8.1		30.6		92.2		6.0		13.4		7			
					Middle	3.2	0.2	-	28.3	28.3	8.1	8.1	31.0	31.1	87.2	86.8	5.7	5.7	13.1		6			
						3.2	0.2	358	28.2		8.1		31.1		86.8		5.7		13.7		6			
					Bottom	5.4	0.1	357	28.2	28.2	8.0	8.0	31.2	31.2	80.5	80.6	5.3	5.3	15.7		6			
						5.4	0.1	358	28.2		8.0		31.2		80.7		5.3		15.3		6			
IM2	Rainy	Moderate	18:46	6.8	Surface	1.0	0.1	271	28.7	28.7	8.3	8.3	31.0	31.0	110.2	109.5	6.4	6.3	2.5	7.9	6	8	819176	806247
						1.0	0.1	272	28.7		8.3		31.0		108.7		6.4		2.6		6			
					Middle	3.4	0.1	282	28.1	28.1	8.2	8.2	31.1	31.1	99.6	99.6	6.1	6.1	4.7		8			
						3.4	0.1	277	28.1		8.2		31.1		99.5		6.1		4.7		8			
					Bottom	5.8	0.1	284	28.0	28.0	8.1	8.1	31.2	31.1	85.6	85.7	5.6	5.6	16.1		10			
						5.8	0.1	281	28.0		8.1		31.1		85.7		5.6		16.7		9			
IM7	Rainy	Moderate	18:29	7.9	Surface	1.0	0.2	253	28.7	28.7	8.2	8.2	29.7	29.7	89.6	89.7	5.9	5.8	9.6	11.6	7	7	821362	806849
						1.0	0.1	257	28.7		8.2		29.7		89.7		5.8		9.6		6			
					Middle	4.0	0.2	270	28.6	28.6	8.1	8.1	29.8	29.8	87.7	87.6	5.7	5.7	9.7		7			
						4.0	0.2	272	28.6		8.1		29.8		87.5		5.7		9.6		8			
					Bottom	6.9	0.2	277	28.6	28.6	8.1	8.1	29.8	29.8	86.2	86.1	5.6	5.6	15.4		8			
						6.9	0.2	270	28.6		8.1		29.8		85.9		5.6		15.5		8			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 10 September 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	Cloudy	Moderate	18:23	7.2	Surface	1.0	0.3	251	28.6	28.6	8.2	8.2	29.6	29.7	90.5	90.5	6.0	5.8	8.0	10.5	6	7	822231	809834
						1.0	0.3	251	28.6		8.2		29.7		90.4		5.9		8.6					
					Middle	3.6	0.3	259	28.4	28.4	8.2	8.2	30.2	30.2	85.4	85.3	5.6	5.6	10.4	7	8			
						3.6	0.3	260	28.4		8.2		30.2		85.2		5.6		10.8					
					Bottom	6.2	0.3	258	28.3	28.3	8.1	8.1	30.3	30.3	84.9	84.9	5.6	5.6	12.4	8	8			
						6.2	0.4	254	28.3		8.1		30.3		84.9		5.6		12.8					
IM11	Cloudy	Moderate	18:29	8.3	Surface	1.0	0.4	277	28.4	28.4	8.1	8.1	30.4	30.4	86.0	86.0	5.7	5.6	8.3	10.8	13	13	821512	810546
						1.0	0.5	280	28.4		8.1		30.4		85.9		5.6		8.5					
					Middle	4.2	0.4	254	28.3	28.3	8.1	8.1	30.4	30.4	85.1	85.1	5.6	5.6	11.5	12	13			
						4.2	0.4	257	28.3		8.1		30.4		85.1		5.6		11.6					
					Bottom	7.3	0.4	273	28.3	28.3	8.1	8.1	30.4	30.4	84.6	84.6	5.6	5.6	12.2	12	12			
						7.3	0.4	275	28.3		8.1		30.4		84.5		5.6		12.7					
IM12	Cloudy	Moderate	18:34	8.6	Surface	1.0	0.4	289	28.4	28.4	8.1	8.1	30.4	30.4	87.1	87.1	5.7	5.7	9.9	14.0	9	9	821141	811503
						1.0	0.4	285	28.4		8.1		30.4		87.1		5.7		9.4					
					Middle	4.3	0.4	271	28.4	28.4	8.1	8.1	30.5	30.5	86.6	86.6	5.7	5.7	16.8	10	10			
						4.3	0.4	274	28.4		8.1		30.5		86.6		5.7		16.7					
					Bottom	7.6	0.4	255	28.4	28.4	8.1	8.1	30.5	30.5	86.3	86.2	5.7	5.7	15.6	8	8			
						7.6	0.4	258	28.4		8.1		30.5		86.1		5.7		15.6					
SR1A	Cloudy	Moderate	18:59	5.7	Surface	1.0	0.1	210	28.4	28.4	8.1	8.1	30.2	30.2	84.4	84.3	5.5	5.5	13.0	13.6	8	7	819977	812666
						1.0	-	208	28.4		8.1		30.2		84.2		5.5		12.2					
					Middle	2.9	0.1	215	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.9	0.1	221	-		-		-		-		-		-					
					Bottom	4.7	-	197	28.4	28.4	8.1	8.1	30.3	30.3	83.5	83.5	5.5	5.5	14.9	6	6			
						4.7	0.0	189	28.4		8.1		30.3		83.5		5.5		14.5					
SR2	Cloudy	Moderate	19:11	4.2	Surface	1.0	0.2	245	28.4	28.4	8.1	8.1	30.2	30.2	86.9	86.9	5.7	5.7	13.2	14.2	12	11	821469	814157
						1.0	0.2	249	28.4		8.1		30.2		86.9		5.7		13.3					
					Middle	-	0.2	233	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.2	227	-		-		-		-		-		-					
					Bottom	3.2	0.1	249	28.4	28.4	8.1	8.1	30.1	30.1	87.0	87.0	5.7	5.7	15.1	9	9			
						3.2	0.1	253	28.4		8.1		30.1		87.0		5.7		15.2					
SR3	Rainy	Moderate	18:24	8.9	Surface	1.0	0.1	269	28.6	28.6	8.2	8.2	29.8	29.8	91.3	91.3	6.0	6.0	8.2	12.1	6	6	822148	807550
						1.0	0.1	273	28.6		8.2		29.8		91.3		6.0		8.8					
					Middle	4.5	0.1	277	28.6	28.6	8.2	8.2	29.8	29.8	90.5	90.5	5.9	5.9	13.6	6	6			
						4.5	0.0	282	28.6		8.2		29.8		90.4		5.9		13.4					
					Bottom	7.9	0.1	266	28.6	28.6	8.1	8.1	29.8	29.8	89.1	88.9	5.8	5.8	14.0	6	6			
						7.9	0.1	267	28.6		8.1		29.8		88.7		5.8		14.4					
SR4A	Rainy	Moderate	19:27	8.5	Surface	1.0	0.0	232	28.8	28.8	8.2	8.2	30.5	30.5	96.2	96.2	6.3	6.3	12.1	14.5	8	8	817180	807789
						1.0	0.0	239	28.8		8.2		30.5		96.2		6.3		12.0					
					Middle	4.3	0.0	235	28.8	28.8	8.1	8.1	30.5	30.5	95.1	95.1	6.2	6.2	14.6	7	7			
						4.3	0.1	239	28.8		8.1		30.5		95.0		6.2		14.2					
					Bottom	7.5	0.0	203	28.9	28.9	8.1	8.1	30.5	30.5	89.8	89.6	5.9	5.9	16.9	7	7			
						7.5	0.0	201	28.9		8.1		30.5		89.4		5.8		17.0					
SR8	Cloudy	Moderate	18:39	4.2	Surface	1.0	-	-	29.0	29.0	8.1	8.1	30.1	30.1	88.5	88.5	5.8	5.8	10.2	13.4	8	7	820393	811643
						1.0	-	-	28.9		8.1		30.1		88.4		5.8		10.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-		-		-		-		-					
					Bottom	3.2	-	-	28.4	28.4	8.1	8.0	30.2	30.2	84.4	84.4	5.6	5.6	16.6	6	6			
						3.2	-	-	28.4		8.0		30.2		84.4		5.6		16.4					

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 13 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	13:29	8.6	Surface	1.0	0.1	186	<u>28.6</u>	28.6	8.1	8.1	<u>28.8</u>	28.8	<u>80.8</u>	80.8	5.3	5.3	7.4	7.4	19	815643	804266	
						1.0	0.1	190	28.6		8.1	8.1	28.8	28.8	80.7	80.8	5.3							
					Middle	4.3	0.1	184	<u>28.5</u>	28.5	8.1	8.1	<u>28.9</u>	28.9	<u>79.7</u>	79.8	5.3	5.3	7.4	7.4	19	815643	804266	
						4.3	0.1	186	28.5		8.1	8.1	28.9	28.9	79.8	79.8	5.3							
					Bottom	7.6	0.1	210	<u>28.4</u>	28.4	8.1	8.1	<u>28.9</u>	28.9	<u>76.2</u>	76.2	5.0	5.0	7.4	7.4	19	815643	804266	
						7.6	0.2	212	28.4		8.1	8.1	28.9	28.9	76.1	76.2	5.0							
C2	Cloudy	Moderate	14:59	11.2	Surface	1.0	0.6	157	<u>28.8</u>	28.8	8.2	8.2	<u>27.5</u>	27.5	<u>89.0</u>	89.0	5.9	5.8	9.5	9.5	7	825695	806968	
						1.0	0.6	151	28.8		8.2	8.2	27.6	27.5	89.0	89.0	5.9							
					Middle	5.6	0.6	165	<u>28.5</u>	28.5	8.2	8.2	<u>28.0</u>	28.0	<u>85.4</u>	85.4	5.7	5.7	9.5	9.5	7	825695	806968	
						5.6	0.6	162	28.5		8.2	8.2	28.1	28.0	85.4	85.4	5.7							
					Bottom	10.2	0.6	153	<u>28.3</u>	28.3	8.1	8.1	<u>28.7</u>	28.7	<u>84.0</u>	84.1	5.6	5.6	9.5	9.5	7	825695	806968	
						10.2	0.6	147	28.3		8.1	8.1	28.7	28.7	84.2	84.1	5.6							
C3	Cloudy	Moderate	14:19	10.6	Surface	1.0	0.4	65	<u>28.2</u>	28.2	8.3	8.3	<u>28.3</u>	28.3	<u>75.3</u>	75.3	5.0	5.0	8.2	8.2	18	822091	817796	
						1.0	0.3	59	28.2		8.3	8.3	28.3	28.3	75.2	75.3	5.0							
					Middle	5.3	0.4	75	<u>27.8</u>	27.8	8.3	8.3	<u>28.9</u>	28.9	<u>73.7</u>	73.8	4.9	4.9	8.2	8.2	18	822091	817796	
						5.3	0.5	81	27.8		8.3	8.3	28.9	28.9	73.9	73.8	4.9							
					Bottom	9.6	0.4	82	<u>27.8</u>	27.8	8.3	8.3	<u>29.0</u>	29.1	<u>75.5</u>	75.6	5.0	5.1	8.2	8.2	18	822091	817796	
						9.6	0.4	83	27.8		8.3	8.3	29.1	29.1	75.7	75.6	5.1							
IM1	Cloudy	Moderate	13:52	6.4	Surface	1.0	0.2	198	<u>28.4</u>	28.5	8.4	8.4	<u>27.7</u>	27.7	<u>87.8</u>	87.8	5.9	5.9	11.5	11.5	13	818364	806471	
						1.0	0.1	195	28.5		8.4	8.4	27.7	27.7	87.8	87.8	5.9							
					Middle	3.2	0.2	174	<u>28.3</u>	28.3	8.4	8.4	<u>28.0</u>	28.1	<u>86.5</u>	86.5	5.8	5.8	11.5	11.5	13	818364	806471	
						3.2	0.2	175	28.3		8.4	8.4	28.1	28.1	86.5	86.5	5.8							
					Bottom	5.4	0.2	191	<u>28.2</u>	28.2	8.4	8.4	<u>28.5</u>	28.5	<u>87.6</u>	87.8	5.8	5.9	11.5	11.5	13	818364	806471	
						5.4	0.2	198	28.2		8.4	8.4	28.5	28.5	87.9	87.8	5.9							
IM2	Cloudy	Moderate	14:03	6.8	Surface	1.0	0.1	179	<u>28.6</u>	28.6	8.3	8.3	<u>27.7</u>	27.7	<u>90.7</u>	90.9	6.0	5.9	10.2	10.2	10	819198	806215	
						1.0	0.1	177	28.6		8.3	8.3	27.7	27.7	91.1	90.9	6.1							
					Middle	3.4	0.1	162	<u>28.4</u>	28.4	8.3	8.3	<u>28.0</u>	28.0	<u>85.2</u>	85.2	5.7	5.7	10.2	10.2	10	819198	806215	
						3.4	0.2	162	28.4		8.3	8.3	28.0	28.0	85.2	85.2	5.7							
					Bottom	5.8	0.1	169	<u>28.3</u>	28.3	8.3	8.3	<u>28.4</u>	28.4	<u>86.8</u>	86.9	5.8	5.8	10.2	10.2	10	819198	806215	
						5.8	0.1	169	28.3		8.3	8.3	28.4	28.4	87.0	86.9	5.8							
IM7	Cloudy	Moderate	14:27	7.9	Surface	1.0	0.2	141	<u>28.7</u>	28.7	8.3	8.3	<u>26.9</u>	26.9	<u>88.1</u>	88.2	5.9	5.7	10.3	10.3	9	821360	806829	
						1.0	0.2	135	28.7		8.3	8.3	26.9	26.9	88.2	88.2	5.9							
					Middle	4.0	0.2	170	<u>28.5</u>	28.5	8.4	8.4	<u>27.7</u>	27.7	<u>83.3</u>	83.4	5.6	5.6	10.3	10.3	9	821360	806829	
						4.0	0.2	163	28.5		8.4	8.4	27.7	27.7	83.4	83.4	5.6							
					Bottom	6.9	0.2	175	<u>28.5</u>	28.5	8.4	8.4	<u>27.7</u>	27.7	<u>84.0</u>	84.1	5.6	5.6	10.3	10.3	9	821360	806829	
						6.9	0.3	179	28.5		8.4	8.4	27.7	27.7	84.1	84.1	5.6							

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

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

Water Quality Monitoring Results on 13 September 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	Cloudy	Moderate	13:11	8.0	Surface	1.0	0.2	78	28.9	28.9	8.3	8.3	26.4	26.4	88.7	88.7	5.9	5.8	6.6	9.9	21	21	822244	809835
						1.0	0.2	79	28.9		8.3	8.3	26.5	26.4	88.6	88.7	5.9		6.7		22			
					Middle	4.0	0.3	84	28.6	28.6	8.3	8.3	27.2	27.3	83.3	83.3	5.6	5.6	9.3	22				
						4.0	0.2	90	28.6		8.3	8.3	27.3	27.3	83.3	83.3	5.6		9.6	21				
					Bottom	7.0	0.2	59	28.5	28.5	8.3	8.3	27.5	27.5	83.6	83.7	5.6	5.6	13.7	20				
						7.0	0.2	52	28.5		8.3	8.3	27.5	27.5	83.8	83.7	5.6		13.6	19				
IM11	Cloudy	Moderate	13:19	8.1	Surface	1.0	0.2	88	29.0	29.0	8.3	8.3	26.3	26.4	89.6	89.6	6.0	5.9	6.1	8.5	21	20	821498	810557
						1.0	0.2	93	28.9		8.3	8.3	26.4	26.4	89.6	89.6	6.0		6.2		20			
					Middle	4.1	0.2	85	28.7	28.7	8.3	8.3	27.0	27.0	85.1	85.1	5.7	5.7	8.8	20				
						4.1	0.3	86	28.7		8.3	8.3	27.0	27.0	85.1	85.1	5.7		8.8	20				
					Bottom	7.1	0.3	73	28.6	28.6	8.3	8.3	27.2	27.2	85.2	85.2	5.7	5.7	10.6	19				
						7.1	0.3	74	28.6		8.3	8.3	27.2	27.2	85.2	85.2	5.7		10.5	19				
IM12	Cloudy	Moderate	13:24	9.2	Surface	1.0	0.3	86	29.2	29.2	8.2	8.2	26.2	26.2	88.5	88.5	5.9	5.7	6.2	10.8	8	11	821174	811503
						1.0	0.3	93	29.1		8.2	8.2	26.2	26.2	88.5	88.5	5.9		6.7		9			
					Middle	4.6	0.3	84	28.5	28.5	8.2	8.2	27.1	27.1	81.1	81.2	5.4	5.4	12.4	10				
						4.6	0.4	89	28.5		8.2	8.2	27.1	27.1	81.2	81.2	5.4		12.4	12				
					Bottom	8.2	0.3	82	28.4	28.5	8.2	8.2	27.2	27.2	81.6	81.7	5.5	5.5	13.7	13				
						8.2	0.3	75	28.5		8.2	8.2	27.2	27.2	81.8	81.7	5.5		13.6	12				
SR1A	Cloudy	Moderate	13:19	5.7	Surface	1.0	-	46	29.0	29.0	8.3	8.3	26.3	26.4	89.6	89.6	6.0	6.0	6.1	8.3	6	5	819971	812660
						1.0	0.0	43	28.9		8.3	8.3	26.4	26.4	89.6	89.6	6.0		6.2		6			
					Middle	2.9	0.0	17	28.7	28.7	-	-	-	-	-	-	-	-	-	-				
						2.9	0.0	16	28.7		-	-	-	-	-	-	-		-	-				
					Bottom	4.7	0.0	46	28.6	28.6	8.3	8.3	27.2	27.2	85.2	85.2	5.7	5.7	10.6	5				
						4.7	0.0	53	28.6		8.3	8.3	27.2	27.2	85.2	85.2	5.7		10.5	4				
SR2	Cloudy	Moderate	14:03	5.0	Surface	1.0	0.3	65	28.7	28.7	8.2	8.2	26.8	26.9	86.2	86.3	5.8	5.8	6.6	7.2	5	7	821483	814179
						1.0	0.3	65	28.7		8.2	8.2	26.9	26.9	86.3	86.3	5.8		6.7		5			
					Middle	-	0.3	60	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.3	62	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	0.3	54	28.5	28.5	8.2	8.2	27.3	27.3	87.5	87.6	5.8	5.9	7.7	9				
						4.0	0.3	47	28.5		8.2	8.2	27.3	27.3	87.7	87.6	5.9		7.8	8				
SR3	Cloudy	Moderate	14:34	9.1	Surface	1.0	0.3	157	28.8	28.8	8.2	8.2	26.5	26.5	86.2	85.1	5.7	5.7	9.1	13.5	6	7	822138	807570
						1.0	0.3	161	28.8		8.2	8.2	26.6	26.5	84.0	84.0	5.6		9.6		6			
					Middle	4.6	0.4	152	28.6	28.6	8.2	8.2	27.1	27.1	84.8	84.9	5.7	5.7	13.1	8				
						4.6	0.4	152	28.6		8.2	8.2	27.2	27.1	85.0	84.9	5.7		13.1	7				
					Bottom	8.1	0.3	163	28.6	28.6	8.2	8.2	27.8	27.8	88.3	88.3	5.9	5.9	18.0	9				
						8.1	0.3	156	28.6		8.2	8.2	27.8	27.8	88.7	88.5	5.9		17.8	8				
SR4A	Cloudy	Moderate	13:06	8.9	Surface	1.0	0.0	99	28.7	28.7	8.2	8.2	28.7	28.7	91.2	91.2	6.0	6.0	9.5	11.9	6	5	817189	807796
						1.0	0.0	99	28.7		8.2	8.2	28.7	28.7	91.2	91.2	6.0		9.4		6			
					Middle	4.5	0.0	100	28.5	28.5	8.2	8.1	28.7	28.7	90.1	90.1	5.9	5.9	12.1	6				
						4.5	0.1	101	28.5		8.1	8.1	28.7	28.7	90.0	90.0	5.9		11.7	5				
					Bottom	7.9	0.0	112	28.4	28.4	8.1	8.1	28.7	28.7	87.3	87.1	5.9	5.9	14.3	4				
						7.9	0.0	114	28.4		8.1	8.1	28.7	28.7	86.9	87.1	5.8		14.4	5				
SR8	Cloudy	Moderate	13:29	5.0	Surface	1.0	-	-	29.6	29.6	8.2	8.2	27.0	27.0	87.4	87.4	5.7	5.7	7.9	9.5	8	7	820399	811638
						1.0	-	-	29.6		8.2	8.2	27.0	27.0	87.4	87.4	5.7		7.9		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	-	-	28.5	28.5	8.2	8.2	27.3	27.3	84.6	84.8	5.6	5.7	11.1	6				
						4.0	-	-	28.5		8.2	8.2	27.3	27.3	84.9	84.9	5.7		11.3	6				

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

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

Water Quality Monitoring Results on 13 September 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	08:59	8.5	Surface	1.0	0.5	48	28.6	28.6	8.2	8.2	29.0	29.0	90.4	90.4	5.9	5.8	1.7	8.9	6	7	815623	804260	
						1.0	0.5	53	28.6		8.2	8.2	29.0	29.0	90.4	90.4	5.9		1.7		6				
					Middle	4.3	0.4	24	28.4	28.4	8.2	8.2	29.2	29.2	87.7	87.7	5.7	5.7	12.0	5.6	6				
						4.3	0.5	30	28.4		8.2	8.1	29.2	29.2	87.7	85.7	5.7		12.2		7				
					Bottom	7.5	0.5	48	28.3	28.3	8.1	8.1	29.2	29.2	85.7	85.7	5.6	5.6	13.3	5.6	6				
						7.5	0.4	45	28.3		8.1	8.1	29.2	29.2	85.7	85.7	5.6		12.6		8				
C2	Cloudy	Moderate	10:14	10.2	Surface	1.0	0.4	2	28.7	28.7	8.2	8.2	27.9	27.9	91.3	91.3	5.9	5.9	3.7	7.3	12	10	825664	806926	
						1.0	0.4	3	28.7		8.2	8.2	27.9	27.9	91.3	91.3	5.9		3.7		10				
					Middle	5.1	0.5	11	28.5	28.5	8.2	8.2	28.6	28.6	88.7	88.7	5.8	5.8	7.9		5.7				10
						5.1	0.4	3	28.5		8.2	8.1	28.6	28.6	88.7	85.4	5.8		8.3						10
					Bottom	9.2	0.5	334	28.4	28.4	8.1	8.1	28.6	28.6	85.4	85.4	5.7	5.7	9.9		5.7				8
						9.2	0.5	334	28.4		8.1	8.1	28.6	28.6	85.4	85.4	5.7		10.2						8
C3	Cloudy	Calm	08:33	11.0	Surface	1.0	0.6	250	28.3	28.3	8.1	8.1	27.2	27.2	78.5	78.5	5.3	5.1	3.5	8.3	20	18	822129	817818	
						1.0	0.6	242	28.3		8.1	8.1	27.2	27.2	78.4	78.4	5.3		3.5		18				
					Middle	5.5	0.5	246	28.0	28.0	8.1	8.1	28.1	28.1	72.6	72.6	4.9	4.9	9.1		4.9				19
						5.5	0.5	253	27.9		8.1	8.0	28.1	28.3	72.5	72.6	4.9		9.2						19
					Bottom	10.0	0.6	255	27.9	27.9	8.0	8.0	28.3	28.3	72.6	72.7	4.9	4.9	12.4		4.9				16
						10.0	0.6	252	27.9		8.0	8.0	28.3	28.3	72.7	72.7	4.9		12.3						16
IM1	Cloudy	Moderate	09:17	6.9	Surface	1.0	0.3	2	28.4	28.4	8.2	8.2	27.8	27.8	86.6	86.5	5.8	5.8	10.0	12.4	6	6	818373	806439	
						1.0	0.3	8	28.4		8.2	8.2	27.8	27.7	86.4	85.8	5.8		10.4		5				
					Middle	3.5	0.3	28	28.4	28.4	8.2	8.2	27.7	27.7	85.7	85.8	5.7	5.7	11.9		5.7				5
						3.5	0.3	22	28.4		8.2	8.2	27.7	27.7	85.8	86.4	5.7		12.2						6
					Bottom	5.9	0.3	22	28.4	28.4	8.2	8.2	27.7	27.7	86.3	86.4	5.8	5.8	15.6		5.8				6
						5.9	0.2	19	28.4		8.2	8.2	27.7	27.7	86.5	86.4	5.8		14.2						7
IM2	Cloudy	Moderate	09:21	7.0	Surface	1.0	0.3	24	28.4	28.4	8.3	8.3	27.7	27.7	84.4	84.4	5.6	5.6	10.4	12.3	5	6	819164	806220	
						1.0	0.4	24	28.4		8.3	8.3	27.7	27.7	84.3	84.3	5.6		10.7		5				
					Middle	3.5	0.4	19	28.3	28.3	8.3	8.3	27.7	27.7	83.8	83.9	5.6	5.6	13.1		5.6				6
						3.5	0.4	18	28.3		8.3	8.4	27.7	27.7	83.9	84.4	5.6		13.1						5
					Bottom	6.0	0.3	24	28.3	28.3	8.4	8.4	27.7	27.7	84.4	84.5	5.6	5.6	13.2		5.6				6
						6.0	0.3	21	28.3		8.4	8.4	27.7	27.7	84.5	84.5	5.6		13.4						6
IM7	Cloudy	Moderate	09:36	7.6	Surface	1.0	0.2	2	28.6	28.6	8.1	8.1	25.5	25.5	84.3	84.3	5.7	5.7	3.7	7.9	5	6	821363	806856	
						1.0	0.2	359	28.6		8.1	8.1	25.5	26.5	84.2	83.5	5.7		3.8		5				
					Middle	3.8	0.3	16	28.5	28.5	8.1	8.1	26.4	26.5	83.5	83.5	5.6	5.6	7.6		5.6				5
						3.8	0.3	14	28.5		8.1	8.2	26.6	27.4	83.5	85.0	5.6		7.8						6
					Bottom	6.6	0.3	22	28.5	28.5	8.2	8.2	27.4	27.4	85.0	85.2	5.7	5.7	12.5		5.7				7
						6.6	0.2	22	28.5		8.2	8.2	27.4	27.4	85.3	85.2	5.7		12.3						6

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 13 September 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	Cloudy	Calm	09:42	7.5	Surface	1.0	0.4	308	<u>28.5</u>	28.5	8.1	8.1	<u>27.2</u>	27.2	<u>79.8</u>	79.8	<u>5.3</u>	5.3	9.4	11.7	19	822230	809842	
						1.0	0.5	310	<u>28.5</u>		8.1	8.1	<u>27.2</u>	27.2	<u>79.7</u>	79.7	<u>5.3</u>							
					Middle	3.8	0.4	293	<u>28.4</u>	28.4	8.1	8.1	<u>27.3</u>	27.3	<u>78.1</u>	78.1	<u>5.2</u>	5.2	10.6					
						3.8	0.4	295	<u>28.4</u>		8.1	8.1	<u>27.3</u>	27.3	<u>78.1</u>	78.1	<u>5.2</u>							
					Bottom	6.5	0.4	299	<u>28.4</u>	28.4	8.1	8.1	<u>27.3</u>	27.3	<u>78.1</u>	78.1	<u>5.2</u>	5.2	15.5					
						6.5	0.4	294	<u>28.4</u>		8.1	8.1	<u>27.3</u>	27.3	<u>78.1</u>	78.1	<u>5.2</u>							
IM11	Cloudy	Calm	09:36	8.5	Surface	1.0	0.5	289	<u>28.5</u>	28.5	8.1	8.1	<u>27.1</u>	27.1	<u>79.8</u>	79.6	<u>5.3</u>	5.3	7.3	12.0	8	821480	810535	
						1.0	0.5	296	<u>28.5</u>		8.1	8.1	<u>27.1</u>	27.1	<u>79.4</u>	79.4	<u>5.3</u>							
					Middle	4.3	0.5	265	<u>28.4</u>	28.4	8.1	8.1	<u>27.3</u>	27.3	<u>78.0</u>	78.0	<u>5.2</u>	5.2	13.9					
						4.3	0.5	271	<u>28.4</u>		8.1	8.1	<u>27.3</u>	27.3	<u>78.0</u>	78.0	<u>5.2</u>							
					Bottom	7.5	0.5	299	<u>28.3</u>	28.3	8.1	8.1	<u>27.3</u>	27.3	<u>78.4</u>	78.5	<u>5.2</u>	5.3	14.5					
						7.5	0.5	297	<u>28.3</u>		8.1	8.1	<u>27.3</u>	27.3	<u>78.5</u>	78.5	<u>5.3</u>							
IM12	Cloudy	Calm	09:30	9.2	Surface	1.0	0.5	291	<u>28.5</u>	28.5	8.1	8.1	<u>27.2</u>	27.2	<u>78.8</u>	78.8	<u>5.3</u>	5.3	13.1	12.3	7	821145	811510	
						1.0	0.5	289	<u>28.5</u>		8.1	8.1	<u>27.2</u>	27.2	<u>78.7</u>	78.7	<u>5.3</u>							
					Middle	4.6	0.6	276	<u>28.4</u>	28.4	8.1	8.1	<u>27.3</u>	27.3	<u>77.6</u>	77.6	<u>5.2</u>	5.2	12.7					
						4.6	0.5	276	<u>28.4</u>		8.1	8.1	<u>27.3</u>	27.3	<u>77.6</u>	77.6	<u>5.2</u>							
					Bottom	8.2	0.5	294	<u>28.3</u>	28.3	8.1	8.1	<u>27.3</u>	27.3	<u>77.6</u>	77.6	<u>5.2</u>	5.2	11.2					
						8.2	0.5	291	<u>28.3</u>		8.1	8.1	<u>27.3</u>	27.3	<u>77.6</u>	77.6	<u>5.2</u>							
SR1A	Cloudy	Calm	09:03	5.7	Surface	1.0	0.0	207	<u>28.4</u>	28.4	8.1	8.1	<u>27.0</u>	27.0	<u>76.5</u>	76.5	<u>5.1</u>	5.1	5.4	6.8	6	819972	812658	
						1.0	0.1	202	<u>28.4</u>		8.1	8.1	<u>27.1</u>	27.0	<u>76.4</u>	76.4	<u>5.1</u>							
					Middle	2.9	0.0	219	-	-	-	-	-	-	-	-	-	-	-					
						2.9	0.1	221	-		-	-	-	-	-	-	-							
					Bottom	4.7	0.0	217	<u>28.4</u>	28.4	8.1	8.1	<u>27.2</u>	27.2	<u>76.2</u>	76.4	<u>5.1</u>	5.1	8.0					
						4.7	0.0	212	<u>28.4</u>		8.1	8.1	<u>27.2</u>	27.2	<u>76.6</u>	76.4	<u>5.1</u>							
SR2	Cloudy	Calm	08:50	4.4	Surface	1.0	0.1	244	<u>28.4</u>	28.4	8.1	8.1	<u>27.2</u>	27.2	<u>78.8</u>	78.9	<u>5.3</u>	5.3	10.8	12.1	7	821460	814181	
						1.0	0.1	240	<u>28.4</u>		8.1	8.1	<u>27.2</u>	27.2	<u>78.9</u>	78.9	<u>5.3</u>							
					Middle	-	0.1	248	-	-	-	-	-	-	-	-	-	-	-					
						-	0.1	244	-		-	-	-	-	-	-	-							
					Bottom	3.4	0.1	250	<u>28.4</u>	28.4	8.1	8.1	<u>27.2</u>	27.2	<u>79.6</u>	79.6	<u>5.3</u>	5.3	13.6					
						3.4	0.1	249	<u>28.4</u>		8.1	8.1	<u>27.2</u>	27.2	<u>79.6</u>	79.6	<u>5.3</u>							
SR3	Cloudy	Moderate	09:44	9.2	Surface	1.0	0.4	358	<u>28.7</u>	28.7	8.1	8.1	<u>25.3</u>	25.3	<u>84.1</u>	84.0	<u>5.7</u>	5.5	2.8	6.0	7	822148	807576	
						1.0	0.5	353	<u>28.7</u>		8.1	8.1	<u>25.3</u>	25.3	<u>83.9</u>	84.0	<u>5.6</u>							
					Middle	4.6	0.5	335	<u>28.5</u>	28.5	8.1	8.1	<u>25.6</u>	25.6	<u>80.6</u>	80.6	<u>5.4</u>	5.4	5.4					
						4.6	0.4	334	<u>28.5</u>		8.1	8.1	<u>25.6</u>	25.6	<u>80.5</u>	80.5	<u>5.4</u>							
					Bottom	8.2	0.4	352	<u>28.6</u>	28.6	8.1	8.1	<u>26.1</u>	26.1	<u>79.6</u>	79.6	<u>5.3</u>	5.3	9.5					
						8.2	0.4	349	<u>28.6</u>		8.1	8.1	<u>26.1</u>	26.1	<u>79.6</u>	79.6	<u>5.3</u>							
SR4A	Cloudy	Moderate	08:37	8.8	Surface	1.0	0.0	153	<u>28.6</u>	28.6	8.1	8.1	<u>28.7</u>	28.7	<u>87.5</u>	87.5	<u>5.8</u>	5.8	5.9	6.3	6	817180	807789	
						1.0	0.0	148	<u>28.6</u>		8.1	8.1	<u>28.7</u>	28.7	<u>87.5</u>	87.5	<u>5.8</u>							
					Middle	4.4	0.1	174	<u>28.5</u>	28.5	8.1	8.1	<u>29.1</u>	29.1	<u>86.2</u>	86.2	<u>5.7</u>	5.7	4.3					
						4.4	0.0	170	<u>28.5</u>		8.1	8.1	<u>29.1</u>	29.1	<u>86.2</u>	86.2	<u>5.7</u>							
					Bottom	7.8	0.1	153	<u>28.4</u>	28.4	8.0	8.0	<u>29.2</u>	29.2	<u>81.6</u>	81.6	<u>5.4</u>	5.4	8.9					
						7.8	0.1	145	<u>28.4</u>		8.0	8.0	<u>29.2</u>	29.2	<u>81.6</u>	81.6	<u>5.4</u>							
SR8	Cloudy	Calm	09:24	5.5	Surface	1.0	-	-	<u>28.6</u>	28.6	8.1	8.1	<u>26.9</u>	26.9	<u>81.2</u>	81.2	<u>5.4</u>	5.4	6.6	8.4	6	820374	811602	
						1.0	-	-	<u>28.6</u>		8.1	8.1	<u>26.9</u>	26.9	<u>81.1</u>	81.1	<u>5.4</u>							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-		-	-	-	-	-	-	-							
					Bottom	4.5	-	-	<u>28.4</u>	28.4	8.1	8.1	<u>27.1</u>	27.1	<u>81.0</u>	81.2	<u>5.4</u>	5.4	10.2					
						4.5	-	-	<u>28.4</u>		8.1	8.1	<u>27.1</u>	27.1	<u>81.3</u>	81.3	<u>5.4</u>							

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	14:54	8.7	Surface	1.0	0.1	204	29.4	29.4	8.2	8.2	29.6	29.6	84.0	84.0	5.3	5.3	5.7	7.4	3	5	815636	804223
						1.0	0.1	201	29.4		8.2		29.6		83.9		5.3		5.1					
					Middle	4.4	0.1	189	29.3	8.2	8.2	29.7	29.7	82.9	83.0	5.3	5.3	7.0	6					
						4.4	0.1	185	29.3	8.2	29.7	83.0		5.3		7.0		6						
					Bottom	7.7	0.1	182	29.2	29.2	8.2	8.2	29.7	29.7	79.4	79.4	5.0	5.0	9.9	7				
						7.7	0.2	177	29.2		8.2		29.7		79.3		5.0		9.9	6				
C2	Cloudy	Moderate	15:32	11.6	Surface	1.0	0.2	175	29.6	29.6	8.2	8.2	29.0	29.1	92.2	92.2	6.0	5.9	9.2	9.5	7	9	825670	806935
						1.0	0.2	175	29.6		8.2		29.1		92.2		6.0		9.4					
					Middle	5.8	0.2	187	29.3	29.3	8.2	8.2	29.5	29.5	88.6	88.6	5.8	5.8	8.8	9				
						5.8	0.2	192	29.3		8.2		29.6		88.6		5.8		8.4	10				
					Bottom	10.6	0.3	172	29.1	29.1	8.2	8.2	30.2	30.2	87.2	87.3	5.7	5.7	10.5	12				
						10.6	0.3	171	29.1		8.2		30.2		87.4		5.7		10.6	11				
C3	Cloudy	Moderate	15:16	11.6	Surface	1.0	0.2	80	28.9	28.9	8.2	8.2	30.6	30.6	86.1	85.9	5.6	5.5	3.6	4.0	9	12	822099	817788
						1.0	0.2	82	28.9		8.2		30.6		85.7		5.6		3.6					
					Middle	5.8	0.3	83	28.8	28.8	8.2	8.2	31.0	31.0	80.8	80.7	5.3	5.3	4.0	12				
						5.8	0.2	78	28.8		8.2		31.0		80.6		5.3		4.1	12				
					Bottom	10.6	0.2	70	28.6	28.6	8.2	8.2	31.3	31.3	80.4	80.4	5.2	5.2	4.1	14				
						10.6	0.2	72	28.6		8.2		31.4		80.4		5.2		4.4	15				
IM1	Cloudy	Moderate	14:37	7.0	Surface	1.0	0.0	87	29.4	29.4	8.3	8.3	29.6	29.6	96.0	96.0	6.2	6.2	10.5	10.7	8	9	818347	806456
						1.0	0.0	88	29.4		8.3		29.6		95.9		6.2		10.5					
					Middle	3.5	0.0	111	29.1	29.1	8.3	8.3	30.0	30.0	94.3	94.3	6.1	6.1	10.7	9				
						3.5	0.0	117	29.1		8.3		30.0		94.2		6.1		11.3	9				
					Bottom	6.0	0.0	85	29.1	29.1	8.3	8.3	30.1	30.1	94.1	94.1	6.1	6.1	10.7	7				
						6.0	0.0	85	29.1		8.3		30.1		94.1		6.1		10.7	8				
IM2	Cloudy	Moderate	14:42	7.2	Surface	1.0	0.0	114	29.6	29.6	8.3	8.3	29.5	29.5	97.3	97.3	6.3	6.2	4.4	5.1	10	8	819182	806241
						1.0	0.0	118	29.6		8.3		29.5		97.2		6.3		4.4					
					Middle	3.6	0.0	94	29.2	29.2	8.3	8.3	30.0	30.0	94.1	94.1	6.1	6.1	4.8	7				
						3.6	0.0	95	29.1		8.3		30.1		94.0		6.1		4.9	8				
					Bottom	6.2	0.1	95	29.0	29.0	8.3	8.3	30.4	30.4	93.0	93.1	6.0	6.1	6.0	8				
						6.2	0.1	101	29.0		8.3		30.4		93.1		6.1		6.0	6				
IM7	Cloudy	Moderate	15:03	8.5	Surface	1.0	0.1	113	29.7	29.7	8.2	8.2	28.0	28.0	93.8	93.8	6.1	5.9	2.4	4.2	9	7	821354	806857
						1.0	0.1	113	29.7		8.2		28.0		93.7		6.1		2.5		9			
					Middle	4.3	0.1	109	29.3	29.3	8.2	8.2	29.6	29.6	85.6	85.6	5.6	5.6	4.9	8				
						4.3	0.1	113	29.3		8.2		29.6		85.6		5.6		5.0	7				
					Bottom	7.5	0.2	87	29.2	29.2	8.2	8.2	29.7	29.7	86.5	86.5	5.6	5.6	5.3	5				
						7.5	0.1	90	29.2		8.2		29.7		86.8		5.6		5.3	6				

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

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

Water Quality Monitoring Results on 15 September 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	Cloudy	Moderate	14:10	7.4	Surface	1.0	0.1	70	29.5	29.5	8.2	8.2	28.4	28.5	86.8	86.7	5.7	5.6	5.5	11.2	9	7	822221	809854	
						1.0	0.1	69	29.5		8.2		28.5		86.5		5.6		5.9						
					Middle	3.7	0.1	65	29.2	29.2	8.2	8.2	29.4	29.4	84.6	84.6	5.5	5.5	12.2	7	6				
						3.7	0.1	69	29.2		8.2		29.4		84.6		5.5		12.6						
					Bottom	6.4	0.1	43	29.0	29.0	8.2	8.2	29.8	29.8	79.8	80.0	5.2	5.2	15.4	5	6				
						6.4	0.1	50	29.0		8.2		29.8		80.1		5.2		15.6						
IM11	Cloudy	Moderate	14:16	8.2	Surface	1.0	0.1	67	29.3	29.3	8.1	8.1	28.4	28.4	84.5	84.5	5.5	5.5	13.6	11.3	5	8	821521	810526	
						1.0	0.1	72	29.3		8.1		28.4		84.5		5.5		13.6						
					Middle	4.1	0.1	77	29.2	29.2	8.1	8.1	29.2	29.2	84.2	84.2	5.5	5.5	9.9		7				6
						4.1	0.1	73	29.2		8.1		29.2		84.2		5.5		9.8						
					Bottom	7.2	0.1	72	29.2	29.2	8.2	8.2	29.4	29.4	85.3	85.5	5.6	5.6	10.2		10				7
						7.2	0.2	72	29.2		8.2		29.4		85.7		5.6		10.6						
IM12	Cloudy	Moderate	14:22	8.4	Surface	1.0	0.1	69	29.5	29.5	8.2	8.2	28.7	28.7	90.8	90.8	5.9	5.7	4.1	6.2	6	7	821143	811527	
						1.0	0.1	64	29.5		8.2		28.7		90.7		5.9		4.3						
					Middle	4.2	0.1	79	29.2	29.2	8.2	8.2	29.3	29.3	84.9	84.9	5.5	5.5	7.1		7				5
						4.2	0.1	74	29.2		8.2		29.3		84.8		5.5		7.0						
					Bottom	7.4	0.1	73	29.1	29.1	8.2	8.2	29.4	29.4	84.8	84.9	5.5	5.5	7.5		8				6
						7.4	0.1	74	29.1		8.2		29.4		84.9		5.5		7.4						
SR1A	Cloudy	Moderate	14:46	4.9	Surface	1.0	-	61	29.3	29.3	8.2	8.2	29.4	29.4	88.1	88.0	5.7	5.7	8.6	9.7	5	6	819976	812664	
						1.0	0.0	54	29.3		8.2		29.4		87.9		5.7		8.9						
					Middle	2.5	0.0	71	-	-	-	-	-	-	-	-	-	-	-		-				-
						2.5	0.0	63	-		-		-		-		-		-						
					Bottom	3.9	0.0	57	29.4	29.5	8.2	8.2	29.3	29.3	89.9	90.2	5.8	5.9	10.6		6				7
						3.9	-	53	29.5		8.2		29.3		90.4		5.9		10.7						
SR2	Cloudy	Moderate	14:58	5.2	Surface	1.0	0.2	44	29.7	29.7	8.2	8.2	28.5	28.5	97.6	97.6	6.3	6.3	2.8	5.1	4	4	821461	814166	
						1.0	0.2	42	29.7		8.2		28.6		97.5		6.3		3.0						
					Middle	-	0.2	39	-	-	-	-	-	-	-	-	-	-	-		-				-
						-	0.2	42	-		-		-		-		-								
					Bottom	4.2	0.2	56	29.4	29.4	8.2	8.2	29.7	29.7	90.7	90.7	5.9	5.9	7.1		4				3
						4.2	0.2	57	29.4		8.2		29.7		90.7		5.9		7.5						
SR3	Cloudy	Moderate	15:10	9.4	Surface	1.0	0.2	157	29.6	29.6	8.2	8.2	28.0	28.0	90.4	90.4	5.9	5.9	3.7	9.2	9	7	822155	807570	
						1.0	0.2	150	29.6		8.2		28.0		90.3		5.9		3.7						
					Middle	4.7	0.1	136	29.4	29.4	8.2	8.2	28.7	28.8	88.1	88.2	5.8	5.8	8.3		7				8
						4.7	0.2	129	29.4		8.2		28.8		88.3		5.8		8.5						
					Bottom	8.4	0.2	128	29.4	29.4	8.2	8.2	29.3	29.3	90.9	91.0	5.9	5.9	15.6		6				6
						8.4	0.2	132	29.4		8.2		29.3		91.0		5.9		15.5						
SR4A	Cloudy	Moderate	14:12	8.9	Surface	1.0	0.0	113	29.5	29.5	8.3	8.3	29.5	29.5	94.4	94.4	6.1	6.1	9.5	11.9	4	6	817205	807797	
						1.0	0.1	114	29.5		8.3		29.5		94.4		6.1		9.4						
					Middle	4.5	0.0	112	29.3	29.3	8.2	8.2	29.4	29.4	93.3	93.3	6.1	6.1	12.1		5				3
						4.5	0.0	118	29.3		8.2		29.4		93.2		6.1		11.7						
					Bottom	7.9	0.0	112	29.2	29.2	8.2	8.2	29.4	29.4	90.5	90.3	5.9	5.9	14.3		8				6
						7.9	0.0	108	29.2		8.2		29.4		90.1		5.9		14.4						
SR8	Cloudy	Moderate	14:27	5.1	Surface	1.0	-	-	29.9	29.9	8.2	8.2	29.3	29.3	89.2	89.1	5.8	5.8	6.2	9.3	6	7	820385	811621	
						1.0	-	-	29.8		8.2		29.3		88.9		5.7		6.2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-				-
						-	-	-	-		-		-		-		-								
					Bottom	4.1	-	-	29.2	29.3	8.2	8.2	29.3	29.3	87.1	87.2	5.7	5.7	12.8		7				7
						4.1	-	-	29.3		8.2		29.3		87.2		5.7		12.1						

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

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

Water Quality Monitoring Results on 15 September 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	10:58	8.6	Surface	1.0	0.4	45	29.4	29.4	8.2	8.2	28.5	28.5	93.6	93.6	6.1	6.0	1.7	8.9	10	7	815614	804255
						1.0	0.4	41	29.4		8.2	8.2	28.5	28.5	93.6	93.6	6.1		1.7		11			
					Middle	4.3	0.4	47	29.2	29.2	8.2	8.2	28.8	28.7	90.9	90.9	5.9	5.8	12.0	5.8	6			
						4.3	0.4	52	29.2		8.2	8.1	28.7	29.9	90.9	90.9	5.9		12.2		5			
					Bottom	7.6	0.4	33	29.1	29.1	8.1	8.1	29.9	29.9	88.9	88.9	5.8	5.8	13.3	5.8	5			
						7.6	0.4	31	29.1		8.1	8.1	29.9	29.9	88.9	88.9	5.8		12.6		4			
C2	Cloudy	Moderate	09:27	11.2	Surface	1.0	0.2	349	29.5	29.5	8.2	8.2	28.7	28.7	94.5	94.5	6.2	6.1	3.7	7.3	11	9	825673	806943
						1.0	0.2	347	29.5		8.2	8.2	28.7	28.7	94.5	94.5	6.2		3.7		10			
					Middle	5.6	0.2	333	29.3	29.3	8.2	8.2	29.3	29.3	91.9	91.9	6.0	6.0	7.9	5.8	9			
						5.6	0.2	325	29.3		8.2	8.2	29.3	29.4	91.9	91.9	6.0		8.3		10			
					Bottom	10.2	0.2	355	29.2	29.2	8.2	8.2	29.4	29.4	88.6	88.6	5.8	5.8	9.9	5.8	7			
						10.2	0.2	348	29.2		8.2	8.2	29.4	29.4	88.6	88.6	5.8		10.2		7			
C3	Cloudy	Moderate	09:12	11.1	Surface	1.0	0.4	271	29.1	29.1	8.1	8.1	29.6	29.7	80.6	80.6	5.3	5.1	4.5	8.4	9	7	822086	817785
						1.0	0.4	268	29.1		8.1	8.1	29.7	29.7	80.5	80.5	5.3		4.4		8			
					Middle	5.6	0.4	251	28.8	28.8	8.1	8.0	30.4	30.4	75.1	75.0	4.9	4.9	4.4	4.8	6			
						5.6	0.5	252	28.8		8.0	8.1	30.4	31.2	74.9	73.7	4.9		4.5		7			
					Bottom	10.1	0.4	256	28.6	28.6	8.1	8.1	31.2	31.2	73.6	73.7	4.8	4.8	16.0	4.8	5			
						10.1	0.4	257	28.6		8.1	8.1	31.2	31.2	73.7	73.7	4.8		16.6		4			
IM1	Cloudy	Moderate	10:39	6.5	Surface	1.0	0.2	17	29.2	29.2	8.2	8.2	29.4	29.4	90.4	90.4	5.9	6.0	6.3	8.6	5	6	818341	806442
						1.0	0.2	22	29.2		8.2	8.2	29.4	29.4	90.4	90.4	5.9		6.6		5			
					Middle	3.3	0.3	19	29.0	29.0	8.2	8.2	29.8	29.8	91.2	91.3	6.0	6.0	8.2	6.1	6			
						3.3	0.2	24	29.0		8.2	8.2	29.9	30.2	91.4	91.3	6.0		8.4		5			
					Bottom	5.5	0.2	39	28.9	28.9	8.2	8.2	30.2	30.2	93.5	93.7	6.1	6.1	10.9	5.6	7			
						5.5	0.2	40	28.9		8.2	8.2	30.2	30.2	93.8	93.7	6.1		11.0		6			
IM2	Cloudy	Moderate	10:32	7.0	Surface	1.0	0.3	23	29.1	29.1	8.2	8.2	29.8	29.9	86.9	86.9	5.7	5.7	5.4	8.8	6	6	819193	806222
						1.0	0.2	17	29.1		8.2	8.2	29.9	29.9	86.8	86.8	5.7		5.5		6			
					Middle	3.5	0.3	29	29.0	29.0	8.2	8.2	30.0	30.0	86.3	86.3	5.6	5.6	6.7	5.6	6			
						3.5	0.2	32	29.0		8.2	8.2	30.0	30.3	86.3	86.3	5.6		6.9		7			
					Bottom	6.0	0.3	32	28.9	28.9	8.2	8.2	30.3	30.3	86.2	86.2	5.6	5.6	14.2	5.6	6			
						6.0	0.3	29	28.9		8.2	8.2	30.3	30.3	86.2	86.2	5.6		14.1		7			
IM7	Cloudy	Moderate	10:08	8.5	Surface	1.0	0.2	348	29.4	29.4	8.1	8.1	27.3	27.3	87.7	87.7	5.8	5.8	2.4	3.1	6	6	821369	806825
						1.0	0.3	351	29.4		8.1	8.1	27.3	27.3	87.6	87.6	5.8		2.4		6			
					Middle	4.3	0.3	325	29.4	29.4	8.1	8.1	27.3	27.3	86.8	86.8	5.7	5.7	2.8	5.7	7			
						4.3	0.2	329	29.4		8.1	8.1	27.3	27.3	86.7	86.7	5.7		2.9		6			
					Bottom	7.5	0.2	352	29.3	29.3	8.1	8.1	27.5	27.5	86.4	86.5	5.7	5.7	3.9	5.7	6			
						7.5	0.2	357	29.3		8.1	8.1	27.5	27.5	86.5	86.5	5.7		4.0		7			

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Cloudy	Moderate	10:20	7.8	Surface	1.0	0.4	294	29.3	29.3	8.1	8.1	28.7	28.7	84.2	84.2	5.5	5.5	10.7	13.5	11	822249	809854		
						1.0	0.4	292	29.3		8.1	8.1	28.7	28.7	84.2	84.2	5.5								
					Middle	3.9	0.3	281	29.2	29.2	8.1	8.1	28.7	28.7	83.4	83.5	5.5	5.5	10.8					10	14.3
						3.9	0.3	284	29.2		8.1	8.1	28.7	28.7	83.5	83.5	5.5								
					Bottom	6.8	0.3	273	29.2	29.2	8.1	8.1	28.7	28.7	84.4	84.4	5.5	5.5	14.4					11	15.5
						6.8	0.3	270	29.2		8.1	8.1	28.7	28.7	84.4	84.4	5.5								
IM11	Cloudy	Moderate	10:14	8.0	Surface	1.0	0.5	285	29.2	29.2	8.1	8.1	28.7	28.7	84.3	84.3	5.5	5.5	12.7	14.2	6	821496	810560		
						1.0	0.5	278	29.2		8.1	8.1	28.7	28.7	84.3	84.3	5.5								
					Middle	4.0	0.4	281	29.1	29.1	8.1	8.1	28.7	28.7	84.2	84.2	5.5	5.5	12.6					6	14.5
						4.0	0.4	286	29.1		8.1	8.1	28.7	28.7	84.2	84.2	5.5								
					Bottom	7.0	0.4	288	29.1	29.1	8.1	8.1	28.7	28.7	85.1	85.2	5.6	5.6	14.7					5	15.4
						7.0	0.4	293	29.1		8.1	8.1	28.7	28.7	85.2	85.2	5.6								
IM12	Cloudy	Moderate	10:09	8.2	Surface	1.0	0.5	288	29.2	29.2	8.1	8.1	29.0	29.0	85.1	85.1	5.6	5.5	4.8	7.7	13	821175	811518		
						1.0	0.5	284	29.2		8.1	8.1	29.0	29.0	85.0	85.0	5.6								
					Middle	4.1	0.5	271	29.1	29.1	8.1	8.1	29.2	29.2	83.1	83.1	5.4	5.4	5.0					9	5.3
						4.1	0.4	268	29.1		8.1	8.1	29.2	29.2	83.0	83.0	5.4								
					Bottom	7.2	0.5	287	29.1	29.1	8.1	8.1	29.4	29.4	83.1	83.1	5.4	5.4	5.3					12	13.6
						7.2	0.4	287	29.1		8.1	8.1	29.4	29.4	83.1	83.1	5.4								
SR1A	Cloudy	Moderate	09:43	5.6	Surface	1.0	0.0	201	29.2	29.2	8.1	8.1	29.1	29.1	81.1	81.1	5.3	5.3	9.9	11.9	8	819975	812658		
						1.0	0.1	198	29.2		8.1	8.1	29.1	29.1	81.1	81.1	5.3								
					Middle	2.8	0.0	178	-	-	-	-	-	-	-	-	-	-	-					-	-
						2.8	0.0	175	-		-	-	-	-	-	-	-								
					Bottom	4.6	0.0	212	29.1	29.1	8.1	8.1	29.3	29.3	78.0	78.0	5.1	5.1	13.7					5	13.9
						4.6	0.0	207	29.1		8.1	8.1	29.3	29.3	78.0	78.0	5.1								
SR2	Cloudy	Moderate	09:30	5.1	Surface	1.0	0.1	246	29.2	29.2	8.1	8.1	28.9	28.9	82.3	82.2	5.4	5.4	7.5	11.5	7	821477	814154		
						1.0	0.1	243	29.2		8.1	8.1	28.9	28.9	82.1	82.1	5.4								
					Middle	-	0.1	275	-	-	-	-	-	-	-	-	-	-	-					-	-
						-	0.1	278	-		-	-	-	-	-	-	-								
					Bottom	4.1	0.1	270	29.1	29.1	8.1	8.1	29.2	29.2	81.1	81.2	5.3	5.3	15.6					8	15.4
						4.1	0.1	272	29.1		8.1	8.1	29.2	29.2	81.2	81.2	5.3								
SR3	Cloudy	Moderate	10:02	8.5	Surface	1.0	0.2	322	29.6	29.6	8.2	8.2	27.1	27.2	88.8	88.8	5.8	5.7	2.7	6.3	10	822167	807552		
						1.0	0.3	317	29.6		8.2	8.2	27.2	27.2	88.8	88.8	5.8								
					Middle	4.3	0.2	338	29.3	29.3	8.2	8.2	28.1	28.1	84.0	84.0	5.5	5.5	2.8					9	4.5
						4.3	0.2	340	29.3		8.2	8.2	28.1	28.1	84.0	84.0	5.5								
					Bottom	7.5	0.3	331	29.3	29.3	8.2	8.2	28.1	28.1	84.5	84.5	5.5	5.5	4.5					9	11.7
						7.5	0.3	337	29.3		8.2	8.2	28.1	28.1	84.5	84.5	5.5								
SR4A	Cloudy	Moderate	11:17	8.8	Surface	1.0	0.0	160	29.4	29.4	8.2	8.2	29.5	29.5	90.7	90.7	5.9	5.9	6	6.3	7	817185	807828		
						1.0	0.0	161	29.4		8.2	8.2	29.5	29.5	90.7	90.7	5.9								
					Middle	4.4	0.0	157	29.3	29.3	8.1	8.1	29.9	29.9	89.4	89.4	5.8	5.8	6					6	4.3
						4.4	0.0	151	29.3		8.1	8.1	29.9	29.9	89.4	89.4	5.8								
					Bottom	7.8	0.0	193	29.2	29.2	8.1	8.1	29.9	29.9	84.8	84.8	5.5	5.5	8					8	8.9
						7.8	0.0	195	29.2		8.1	8.1	29.9	29.9	84.8	84.8	5.5								
SR8	Cloudy	Moderate	10:02	5.1	Surface	1.0	-	-	29.4	29.4	8.1	8.1	28.5	28.5	87.7	87.8	5.7	5.7	4.8	10.2	8	820377	811625		
						1.0	-	-	29.4		8.1	8.1	28.5	28.5	87.8	87.8	5.7								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-
						-	-	-	-		-	-	-	-	-	-	-								
					Bottom	4.1	-	-	29.1	29.1	8.1	8.1	28.6	28.6	86.8	88.3	5.7	5.8	15.6					10	15.5
						4.1	-	-	29.1		8.1	8.1	28.6	28.6	89.8	89.8	5.9								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 September 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	16:54	7.8	Surface	1.0	0.1	216	29.1	29.1	8.4	8.4	24.6	24.6	121.6	121.6	8.2	6.3	4.1	8.6	3	3	815615	804270
						1.0	0.1	221	29.1		8.4		24.6		121.5		8.1		4.1		3			
					Middle	3.9	0.1	223	27.7	27.7	8.2	8.2	29.8	29.8	68.1	68.1	4.5	4.3	9.2	4.3	3			
						3.9	0.1	224	27.7		8.2		29.8		68.1		4.5		3					
					Bottom	6.8	0.0	224	27.6	27.6	8.2	8.2	30.1	30.0	64.0	63.9	4.3	4.3	12.9	4.3	4			
						6.8	0.0	226	27.6		8.2		30.0		63.8		4.3		4					
C2	Rainy	Moderate	15:41	11.7	Surface	1.0	0.1	246	29.9	29.9	8.4	8.4	23.1	23.1	124.5	124.5	8.3	7.0	1.0	2.7	<2	3	825703	806932
						1.0	0.1	239	29.8		8.4		23.1		124.5		8.3		1.0		<2			
					Middle	5.9	0.0	229	29.0	29.0	8.2	8.2	26.1	26.1	85.6	85.6	5.7	5.7	2.8	5.7	2			
						5.9	-	235	29.0		8.2		26.1		85.5		5.7		2.9		3			
					Bottom	10.7	0.1	223	29.0	29.0	8.2	8.2	26.4	26.4	85.4	85.4	5.7	5.7	4.2	5.7	4			
						10.7	0.1	227	29.0		8.2		26.4		85.4		5.7		4.3		3			
C3	Misty	Moderate	16:38	8.6	Surface	1.0	0.0	335	29.1	29.1	8.3	8.3	30.7	30.8	111.8	109.4	7.3	6.6	1.0	1.6	5	4	822112	817805
						1.0	0.1	329	29.0		8.3		30.9		107.0		6.9		1.0		5			
					Middle	4.3	0.0	306	28.8	28.8	8.3	8.3	31.3	31.4	95.9	94.6	6.2	6.1	1.4	6.1	4			
						4.3	0.0	307	28.8		8.3		31.4		93.2		6.1		1.5		5			
					Bottom	7.6	0.0	322	28.8	28.8	8.3	8.3	31.6	31.6	92.7	93.2	6.0	6.1	2.5	6.1	4			
						7.6	0.1	314	28.8		8.3		31.6		93.7		6.1		2.4		3			
IM1	Rainy	Moderate	16:36	6.4	Surface	1.0	0.1	196	30.2	30.2	8.3	8.3	24.7	24.7	122.1	122.2	8.0	7.9	2.7	5.6	<2	≤2	818330	806451
						1.0	0.1	193	30.2		8.3		24.7		122.2		8.0		2.8		<2			
					Middle	3.2	0.0	200	29.9	29.9	8.3	8.3	25.2	25.2	116.3	116.2	7.7	7.7	5.8	7.7	6.1			
						3.2	0.0	202	29.8		8.3		25.3		116.1		7.7		6.1		<2			
					Bottom	5.4	0.0	201	29.1	29.1	8.3	8.3	26.8	26.8	102.6	102.5	6.8	6.8	8.1	6.8	8.1			
						5.4	0.0	207	29.1		8.3		26.8		102.4		6.8		8.1		<2			
IM2	Rainy	Moderate	16:30	6.5	Surface	1.0	0.1	125	30.1	30.1	8.3	8.3	24.6	24.6	123.2	123.3	8.1	8.1	2.7	3.5	3	3	819203	806245
						1.0	0.1	128	30.1		8.3		24.6		123.3		8.1		2.7		2			
					Middle	3.3	0.1	117	29.7	29.7	8.3	8.3	26.2	26.2	122.0	122.0	8.0	8.0	3.0	8.0	3			
						3.3	0.0	110	29.7		8.3		26.2		121.9		8.0		3.0		3			
					Bottom	5.5	0.0	113	28.8	28.8	8.2	8.2	27.4	27.4	91.0	91.2	6.0	6.1	4.6	6.1	2			
						5.5	0.0	117	28.7		8.2		27.4		91.4		6.1		4.7		2			
IM7	Rainy	Moderate	16:06	8.2	Surface	1.0	0.1	116	29.4	29.5	8.2	8.2	24.5	24.5	101.4	101.5	6.8	6.5	2.3	5.6	3	2	821361	806839
						1.0	0.0	118	29.5		8.2		24.5		101.6		6.8		2.3		3			
					Middle	4.1	0.0	114	29.3	29.3	8.2	8.2	25.4	25.4	93.6	93.6	6.2	6.2	4.3	6.2	2			
						4.1	0.0	115	29.2		8.2		25.5		93.6		6.2		4.3		2			
					Bottom	7.2	0.1	91	29.0	29.0	8.2	8.2	26.7	26.7	88.7	88.7	5.9	5.9	10.1	5.9	<2			
						7.2	0.1	86	29.0		8.2		26.7		88.7		5.9		10.4		<2			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 September 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	15:39	9.2	Surface	1.0	0.0	1	29.8	29.8	8.4	8.4	28.0	28.0	112.5	111.0	7.3	6.9	1.0	1.3	3	3	822247	809823		
						1.0	0.0	356	29.8		28.1		109.5		7.1		1.0		3							
					Middle	4.6	0.0	1	29.9	30.0	8.4	8.4	28.5	28.6	100.2	100.2	6.5	7.0	1.1	1.9	3				1.7	3
						4.6	0.0	359	30.0		28.6		100.2		6.5		3									
					Bottom	8.2	0.0	21	30.3	30.3	8.3	8.4	28.9	28.9	108.0	109.6	6.9	6.2	1.9	6.0	4				6.0	3
						8.2	0.0	20	30.3		28.8		111.1		7.1		3									
IM11	Misty	Moderate	15:44	8.0	Surface	1.0	0.1	321	29.6	29.6	8.3	8.3	28.5	28.6	107.4	106.9	7.0	6.5	3.9	4.9	3	3	821514	810538		
						1.0	0.1	325	29.5		8.3		28.6		106.3		6.9		3							
					Middle	4.0	0.0	311	29.3	29.3	8.3	8.3	29.1	29.2	92.5	92.3	6.0	6.2	4.9	6.0	2				6.0	3
						4.0	0.0	308	29.3		8.3		29.2		92.1		6.0		3							
					Bottom	7.0	0.0	329	29.3	29.3	8.3	8.3	29.3	29.3	94.2	95.4	6.1	6.3	6.0	6.0	2				6.0	2
						7.0	0.0	324	29.3		8.3		29.3		96.5		6.3		2							
IM12	Misty	Moderate	15:49	7.8	Surface	1.0	0.0	347	29.3	29.3	8.3	8.3	29.3	29.3	99.3	99.3	6.5	6.1	6.9	7.4	2	3	821160	811504		
						1.0	0.1	339	29.3		8.3		29.3		99.3		6.5		3							
					Middle	3.9	0.0	7	29.1	29.1	8.2	8.2	29.6	29.6	85.8	85.8	5.6	6.1	7.3	8.1	3				8.0	3
						3.9	0.0	12	29.1		8.2		29.6		85.7		5.6		3							
					Bottom	6.8	0.0	351	29.1	29.1	8.2	8.2	29.7	29.6	91.2	92.8	6.0	6.2	8.1	6.2	4				6.2	4
						6.8	0.1	357	29.1		8.3		29.6		94.4		6.2		3							
SR1A	Misty	Moderate	16:09	5.6	Surface	1.0	0.0	7	30.0	30.0	8.2	8.2	28.2	28.2	101.5	99.9	6.6	6.5	6.0	6.7	5	4	819979	812663		
						1.0	0.0	6	30.0		8.2		28.2		98.2		6.4		4							
					Middle	2.8	0.0	25	-	-	-	-	-	-	-	-	-	6.1	-	7.4	-				7.4	-
						2.8	0.1	24	-		-		-		-		-		-							
					Bottom	4.6	0.0	358	29.9	30.0	8.2	8.2	28.4	28.4	92.5	94.3	6.0	6.2	7.4	6.2	4				6.2	4
						4.6	0.1	356	30.0		8.2		28.3		96.1		6.2		4							
SR2	Misty	Moderate	16:20	5.8	Surface	1.0	0.1	19	29.8	29.8	8.3	8.3	28.2	28.2	111.0	108.9	7.2	7.1	2.2	3.1	4	5	821483	814176		
						1.0	0.1	21	29.7		8.3		28.3		106.8		7.0		4							
					Middle	-	0.0	29	-	-	-	-	-	-	-	-	-	6.8	-	4.0	-				4.0	-
						-	0.1	25	-		-		-		-		-		-							
					Bottom	4.8	0.1	39	29.5	29.5	8.3	8.3	28.7	28.0	104.8	104.5	6.8	6.8	4.0	5.4	5				5.4	5
						4.8	0.1	32	29.5		8.3		27.2		104.2		6.8		6							
SR3	Rainy	Moderate	15:59	8.9	Surface	1.0	0.1	73	29.7	29.7	8.3	8.3	23.6	23.6	112.7	112.8	7.5	6.7	1.3	3.2	<2	2	822130	807578		
						1.0	0.1	80	29.7		8.3		23.6		112.9		7.5		1.3		<2					
					Middle	4.5	0.0	56	29.3	29.3	8.1	8.1	25.3	25.3	87.5	87.4	5.8	5.4	3.2	5.4	2				5.4	2
						4.5	0.0	60	29.3		8.1		25.3		87.3		5.8		3							
					Bottom	7.9	0.0	70	29.2	29.2	8.1	8.1	25.6	25.5	80.5	80.6	5.4	6.8	5.2	6.8	2				6.8	2
						7.9	0.0	65	29.2		8.1		25.5		80.6		5.4		3							
SR4A	Rainy	Moderate	17:11	9.0	Surface	1.0	0.0	315	29.8	29.8	8.4	8.4	24.5	24.5	127.3	127.2	8.4	7.6	4.3	9.4	2	2	817194	807823		
						1.0	0.1	309	29.8		8.4		24.5		127.1		8.4		4.2							
					Middle	4.5	0.1	306	29.0	29.0	8.2	8.2	25.9	26.0	102.6	102.4	6.8	5.6	13.7	5.6	<2				5.6	<2
						4.5	0.1	304	29.0		8.2		26.0		102.2		6.8		13.2		<2					
					Bottom	8.0	0.0	326	28.6	28.7	8.2	8.2	27.1	27.1	83.8	83.8	5.6	6.7	10.7	6.8	<2				6.8	<2
						8.0	0.0	321	28.7		8.2		27.1		83.8		5.6		3							
SR8	Misty	Moderate	15:54	5.4	Surface	1.0	-	-	29.6	29.6	8.3	8.3	28.4	28.5	114.4	113.4	7.4	7.4	5.3	5.7	4	4	820412	811615		
						1.0	-	-	29.6		8.3		28.6		112.4		7.3		4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.7	-	6.1	-				6.1	-
						-	-	-	-		-		-		-		-		-							
					Bottom	4.4	-	-	29.4	29.5	8.3	8.3	29.2	29.1	101.8	103.5	6.6	6.8	6.1	6.8	3				6.8	3
						4.4	-	-	29.5		8.3		29.1		105.1		6.8		3							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	12:01	7.9	Surface	1.0	0.2	30	29.2	8.3	8.3	25.4	25.4	91.5	91.6	6.1	5.9	7.8	2	3	815639	804247		
						1.0	0.2	23	29.1	8.3	8.3	25.5	25.4	91.6	91.6	6.1								
					Middle	4.0	0.3	44	28.4	8.2	8.2	27.1	27.1	83.7	83.6	5.6			3					
						4.0	0.2	37	28.3	8.2	8.2	27.2	27.2	83.5	83.6	5.6			2					
					Bottom	6.9	0.2	48	28.1	8.2	8.2	28.4	28.3	74.3	74.3	5.0			3					
						6.9	0.3	51	28.1	8.2	8.2	28.3	28.3	74.3	74.3	5.0			3					
C2	Cloudy	Moderate	13:04	11.4	Surface	1.0	0.2	336	30.0	8.2	8.2	22.3	22.3	109.8	109.7	7.4	6.7	3.6	3	3	825701	806962		
						1.0	0.2	335	30.0	8.2	8.2	22.4	22.3	109.6	109.7	7.3			2					
					Middle	5.7	0.2	9	29.2	8.1	8.1	25.4	25.4	89.4	89.3	6.0			2					
						5.7	0.2	13	29.2	8.1	8.1	25.4	25.4	89.2	89.3	6.0			3					
					Bottom	10.4	0.2	12	29.0	8.1	8.1	26.1	26.1	77.2	77.2	5.2			3					
						10.4	0.1	11	29.0	8.1	8.1	26.0	26.1	77.2	77.2	5.2			4					
C3	Misty	Moderate	11:14	9.6	Surface	1.0	0.3	269	30.2	8.4	8.4	27.1	27.2	119.2	119.0	7.7	6.9	3.5	4	4	822105	817786		
						1.0	0.3	266	30.1	8.4	8.4	27.2	27.2	118.8	118.8	7.7			4					
					Middle	4.8	0.3	258	29.3	8.4	8.4	29.3	29.3	92.9	92.8	6.1			4					
						4.8	0.3	251	29.2	8.4	8.4	29.4	29.3	92.6	92.8	6.0			5					
					Bottom	8.6	0.4	262	29.2	8.4	8.4	29.5	29.4	96.8	98.2	6.3			4					
						8.6	0.4	255	29.3	8.5	8.4	29.3	29.4	99.5	98.2	6.5			4					
IM1	Cloudy	Moderate	12:16	6.4	Surface	1.0	0.1	16	29.1	8.2	8.2	26.4	26.4	94.6	94.6	6.3	6.2	9.7	3	3	818339	806468		
						1.0	0.2	20	29.1	8.2	8.2	26.4	26.4	94.5	94.6	6.3			2					
					Middle	3.2	0.1	20	28.5	8.2	8.2	27.3	27.3	91.0	91.0	6.1			3					
						3.2	0.1	20	28.5	8.2	8.2	27.3	27.3	90.9	91.0	6.1			3					
					Bottom	5.4	0.1	22	28.5	8.2	8.2	27.4	27.4	90.2	90.2	6.0			3					
						5.4	0.1	25	28.5	8.2	8.2	27.4	27.4	90.1	90.2	6.0			4					
IM2	Cloudy	Moderate	12:21	7.6	Surface	1.0	0.1	0	29.6	8.3	8.3	25.9	25.9	123.7	123.6	8.2	7.0	5.7	3	3	819186	806223		
						1.0	0.1	352	29.6	8.3	8.3	25.9	25.9	123.5	123.6	8.2			3					
					Middle	3.8	0.1	342	28.3	8.2	8.2	28.0	28.1	85.3	85.4	5.7			2					
						3.8	0.0	347	28.3	8.2	8.2	28.1	28.1	85.4	85.4	5.7			3					
					Bottom	6.6	0.1	335	28.2	8.1	8.1	28.5	28.5	69.2	69.3	4.6			2					
						6.6	0.1	333	28.2	8.1	8.1	28.5	28.5	69.4	69.3	4.6			2					
IM7	Cloudy	Moderate	12:39	8.1	Surface	1.0	0.1	322	29.6	8.2	8.2	23.0	23.1	108.4	108.5	7.3	6.9	2.0	2	2	821371	806839		
						1.0	0.1	326	29.6	8.2	8.2	23.1	23.1	108.5	108.5	7.3			2					
					Middle	4.1	0.1	311	29.3	8.2	8.2	23.8	23.8	97.6	97.6	6.6			2					
						4.1	0.1	303	29.3	8.2	8.2	23.9	23.8	97.5	97.6	6.5			2					
					Bottom	7.1	0.1	319	29.3	8.1	8.1	24.9	24.9	88.1	88.1	5.9			2					
						7.1	0.1	321	29.3	8.1	8.1	24.9	24.9	88.1	88.1	5.9			2					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 September 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	12:13	8.4	Surface	1.0	0.3	271	29.6	29.6	8.2	8.1	27.7	27.8	101.3	100.3	6.6	6.2	6.2	7.3	2	3	822249	809831
						1.0	0.3	266	29.5		8.1		27.8		99.2		6.5				6.3			
					Middle	4.2	0.2	292	29.5	29.5	8.1	8.1	28.3	28.3	88.9	89.0	5.8	6.2	7.2	7.3	4			
						4.2	0.2	292	29.5		8.1		28.3		89.0		5.8		7.1					
					Bottom	7.4	0.2	274	29.5	29.5	8.1	8.1	28.3	28.3	92.8	93.6	6.1	6.2	8.4	6.2	3			
						7.4	0.2	268	29.5		8.2		28.3		94.3		6.2		8.5		4			
IM11	Misty	Moderate	12:08	9.0	Surface	1.0	0.3	291	29.6	29.6	8.2	8.2	26.3	26.3	105.6	105.2	7.0	6.5	5.4	4.1	3	821501	810552	
						1.0	0.3	296	29.6		8.2		26.4		104.8		6.9			4.1				
					Middle	4.5	0.3	261	29.4	29.4	8.1	8.1	28.4	28.4	91.3	91.4	6.0	6.3	5.6	6.3				3
						4.5	0.3	261	29.4		8.1		28.4		91.5		6.0		5.5					
					Bottom	8.0	0.3	296	29.5	29.5	8.2	8.2	28.4	28.4	94.7	95.4	6.2	6.3	6.6	6.3				3
						8.0	0.3	297	29.5		8.2		28.4		96.1		6.3		6.5					3
IM12	Misty	Moderate	12:02	7.6	Surface	1.0	0.3	284	29.4	29.4	8.1	8.1	28.7	28.7	91.0	90.9	5.9	5.9	8.4	7.4	3	821173	811532	
						1.0	0.3	283	29.4		8.1		28.8		90.8		5.9			7.3				
					Middle	3.8	0.3	286	29.4	29.4	8.1	8.1	29.0	29.1	89.2	89.0	5.8	5.9	8.2	5.9				2
						3.8	0.3	281	29.4		8.1		29.1		88.8		5.8		8.1					
					Bottom	6.6	0.3	293	29.4	29.4	8.1	8.1	29.2	29.2	90.1	90.7	5.9	5.9	9.5	5.9				3
						6.6	0.3	288	29.4		8.1		29.2		91.2		5.9		9.6					3
SR1A	Misty	Moderate	11:39	4.0	Surface	1.0	0.0	187	29.7	29.7	8.2	8.2	27.3	27.3	99.2	99.2	6.5	6.5	2.9	2.8	3	819973	812655	
						1.0	0.0	180	29.6		8.2		27.3		99.1		6.5			2.7				
					Middle	2.0	0.0	185	-	-	-	-	-	-	-	-	-	6.5	-	6.6				-
						2.0	0.0	186	-		-		-		-		-		-					
					Bottom	3.0	-	185	29.6	29.6	8.2	8.2	27.4	27.3	100.3	100.8	6.6	6.6	3.1	6.6				3
						3.0	0.0	179	29.6		8.2		27.3		101.3		6.6		3.2					4
SR2	Misty	Moderate	11:28	4.4	Surface	1.0	0.1	280	29.5	29.5	8.3	8.3	28.8	28.8	94.0	93.9	6.1	6.1	5.8	5.3	4	821444	814178	
						1.0	0.1	275	29.5		8.3		28.8		93.7		6.1			5.6				
					Middle	-	0.1	268	-	-	-	-	-	-	-	-	-	6.1	-	6.2				-
						-	0.1	265	-		-		-		-		-		-					
					Bottom	3.4	0.1	272	29.4	29.4	8.3	8.3	29.1	29.0	94.1	94.5	6.1	6.2	6.1	6.2				5
						3.4	0.1	268	29.4		8.3		29.0		94.8		6.2		6.2					4
SR3	Cloudy	Moderate	12:46	9.2	Surface	1.0	0.1	343	29.7	29.7	8.2	8.2	22.5	22.5	109.8	109.5	7.4	6.6	3.1	1.4	2	822148	807580	
						1.0	0.1	347	29.7		8.2		22.5		109.2		7.3			1.6				
					Middle	4.6	0.1	321	29.3	29.3	8.1	8.1	25.1	25.2	88.9	88.8	5.9	5.3	2.9	5.3				2
						4.6	0.1	314	29.3		8.1		25.2		88.6		5.9		2.9					
					Bottom	8.2	0.1	338	29.1	29.2	8.1	8.1	25.8	25.8	79.3	79.3	5.3	5.3	4.8	5.3				<2
						8.2	0.1	334	29.2		8.1		25.8		79.3		5.3		4.8					<2
SR4A	Cloudy	Moderate	11:41	8.8	Surface	1.0	0.0	263	29.2	29.2	8.1	8.1	26.4	26.4	87.9	87.8	5.8	5.8	7.6	6.9	2	817166	807794	
						1.0	0.1	256	29.2		8.1		26.4		87.7		5.8			6.8				
					Middle	4.4	0.0	263	29.1	29.1	8.1	8.1	26.4	26.4	86.0	86.0	5.7	5.7	7.7	5.7				<2
						4.4	0.0	263	29.1		8.1		26.4		85.9		5.7		7.7					
					Bottom	7.8	0.0	268	29.1	29.1	8.1	8.1	26.3	26.3	85.2	85.2	5.7	5.7	8.3	5.7				2
						7.8	0.0	264	29.1		8.1		26.3		85.2		5.7		8.3					2
SR8	Misty	Moderate	11:57	5.4	Surface	1.0	-	-	31.1	31.1	8.2	8.2	26.5	26.5	104.0	104.0	6.7	6.8	6.7	6.3	4	820370	811606	
						1.0	-	-	31.0		8.2		26.6		104.0		6.8			6.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	6.7				-
						-	-	-	-		-		-		-		-		-					
					Bottom	4.4	-	-	29.5	29.6	8.2	8.2	28.0	28.0	101.6	102.1	6.6	6.7	7.0	6.7				2
						4.4	-	-	29.6		8.2		27.9		102.5		6.7		7.0					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 20 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
C1	Cloudy	Moderate	09:54	8.2	Surface	1.0	0.4	203	<u>28.5</u>	28.5	8.2	8.2	<u>30.2</u>	30.2	<u>98.4</u>	98.4	6.5	5.9	2.9	8.7	3	4	815611	804264						
						1.0	0.4	206	28.5		8.2	8.2	<u>30.2</u>	30.2	98.4	6.5	3.0		4											
					Middle	4.1	0.3	227	<u>28.3</u>	28.3	8.2	8.2	<u>30.5</u>	30.5	<u>80.4</u>	80.4	5.3	3.8	10.2	8.7	4				6	825694	806958			
						4.1	0.3	231	28.3		8.2	8.2	<u>30.4</u>	30.4	80.4	5.3	10.5		5											
					Bottom	7.2	0.4	229	<u>28.2</u>	28.2	8.1	8.1	<u>31.6</u>	31.6	<u>58.9</u>	58.9	3.8	4.1	12.6	8.7	5							5	822088	817822
						7.2	0.4	225	28.2		8.1	8.1	<u>31.6</u>	31.6	58.9	3.8	12.9		4											
C2	Cloudy	Moderate	08:31	10.4	Surface	1.0	0.5	168	<u>28.6</u>	28.6	8.2	8.2	<u>30.4</u>	30.4	<u>108.6</u>	108.6	7.1	7.0	4.9	8.5	5	6	825694	806958						
						1.0	0.5	163	28.6		8.2	8.2	<u>30.4</u>	30.4	108.6	7.1	4.9		4											
					Middle	5.2	0.6	175	<u>28.4</u>	28.4	8.1	8.1	<u>31.0</u>	31.0	<u>104.5</u>	104.5	6.8	4.1	9.2	8.5	5				5	822088	817822			
						5.2	0.5	168	28.4		8.1	8.1	<u>31.1</u>	31.1	104.5	6.8	9.6		6											
					Bottom	9.4	0.6	185	<u>28.3</u>	28.3	8.1	8.1	<u>31.1</u>	31.1	<u>62.6</u>	62.6	4.1	4.1	11.1	8.5	7							4	818361	806435
						9.4	0.6	180	28.3		8.1	8.1	<u>31.1</u>	31.1	62.6	4.1	11.4		7											
C3	Cloudy	Moderate	08:22	11.9	Surface	1.0	0.3	65	<u>29.4</u>	29.4	8.4	8.4	<u>27.4</u>	27.4	<u>130.1</u>	130.1	8.6	7.5	0.4	2.0	5	5	822088	817822						
						1.0	0.4	62	29.4		8.4	8.4	<u>27.4</u>	27.4	130.0	8.5	0.5		6											
					Middle	6.0	0.3	69	<u>29.0</u>	29.0	8.2	8.2	<u>30.3</u>	30.3	<u>100.1</u>	100.1	6.5	4.8	2.1	2.0	5				4	818361	806435			
						6.0	0.3	70	29.0		8.2	8.2	<u>30.3</u>	30.3	100.0	6.5	2.2		4											
					Bottom	10.9	0.3	68	<u>28.1</u>	28.1	8.1	8.1	<u>32.8</u>	32.8	<u>74.2</u>	74.2	4.8	3.9	3.5	2.0	5							4	819170	806255
						10.9	0.3	67	28.1		8.1	8.1	<u>32.8</u>	32.8	74.3	4.8	3.5		4											
IM1	Cloudy	Moderate	09:32	6.2	Surface	1.0	0.3	180	<u>28.6</u>	28.6	8.2	8.2	<u>31.7</u>	31.7	<u>78.6</u>	78.6	5.1	4.5	3.3	7.5	4	4	818361	806435						
						1.0	0.4	178	28.6		8.2	8.2	<u>31.7</u>	31.7	78.5	5.1	3.3		4											
					Middle	3.1	0.3	211	<u>27.9</u>	27.9	8.1	8.1	<u>33.4</u>	33.4	<u>58.3</u>	58.4	3.8	3.9	8.3	7.5	4				4	819170	806255			
						3.1	0.3	217	27.9		8.1	8.1	<u>33.4</u>	33.4	58.4	3.8	8.4		3											
					Bottom	5.2	0.3	204	<u>27.8</u>	27.8	8.1	8.1	<u>33.5</u>	33.5	<u>60.0</u>	60.1	3.9	4.6	10.6	7.5	3							5	821354	806832
						5.2	0.3	202	27.8		8.1	8.1	<u>33.5</u>	33.5	60.2	3.9	10.8		3											
IM2	Cloudy	Moderate	09:26	7.2	Surface	1.0	0.4	215	<u>28.5</u>	28.5	8.2	8.2	<u>31.8</u>	31.8	<u>78.4</u>	78.4	5.1	4.5	4.8	8.8	5	4	819170	806255						
						1.0	0.4	210	28.5		8.2	8.2	<u>31.8</u>	31.8	78.4	5.1	4.8		4											
					Middle	3.6	0.5	196	<u>27.9</u>	27.9	8.1	8.1	<u>33.2</u>	33.2	<u>58.4</u>	58.4	3.8	3.6	10.0	8.8	4				5	821354	806832			
						3.6	0.5	201	27.9		8.1	8.1	<u>33.2</u>	33.2	58.4	3.8	10.2		4											
					Bottom	6.2	0.4	215	<u>27.9</u>	27.9	8.1	8.1	<u>33.3</u>	33.3	<u>54.8</u>	54.9	3.6	4.6	11.5	8.8	4							4	819170	806255
						6.2	0.4	215	27.9		8.1	8.1	<u>33.3</u>	33.3	54.9	3.6	11.5		4											
IM7	Cloudy	Moderate	09:10	7.1	Surface	1.0	0.3	219	<u>29.8</u>	29.8	8.5	8.5	<u>26.8</u>	26.8	<u>140.8</u>	140.5	9.2	7.5	2.0	5.0	6	5	821354	806832						
						1.0	0.2	213	29.8		8.5	8.5	<u>26.8</u>	26.8	140.1	9.2	2.2		5											
					Middle	3.6	0.2	191	<u>28.8</u>	28.8	8.3	8.3	<u>28.8</u>	28.8	<u>87.9</u>	87.7	5.8	4.6	5.5	5.0	5				4	819170	806255			
						3.6	0.2	184	28.8		8.3	8.3	<u>28.8</u>	28.8	87.4	5.8	5.7		4											
					Bottom	6.1	0.2	206	<u>28.4</u>	28.4	8.2	8.2	<u>31.5</u>	31.6	<u>68.8</u>	69.3	4.5	4.6	7.2	5.0	3							4	819170	806255
						6.1	0.3	206	28.4		8.2	8.2	<u>31.6</u>	31.6	69.7	4.6	7.2		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 20 September 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	Cloudy	Moderate	09:36	7.5	Surface	1.0	0.4	129	29.7	29.7	8.4	8.4	27.7	27.7	133.8	133.7	8.7	8.0	1.0	4.4	4	4	822230	809823
						1.0	0.4	133	29.7		8.4		27.7		133.6		8.7		1.1		4			
					Middle	3.8	0.3	124	29.2	29.2	8.3	8.3	28.4	28.4	109.7	109.3	7.2	4.5	3.8	4				
						3.8	0.3	126	29.1		8.3		28.4		108.9		7.2		4.2	5				
					Bottom	6.5	0.4	126	28.6	28.6	8.1	8.1	30.8	30.8	68.7	69.1	4.5	4.5	8.1	4				
						6.5	0.5	127	28.6		8.1		30.8		69.4		4.5		8.3	5				
IM11	Cloudy	Moderate	09:30	6.7	Surface	1.0	0.4	101	29.7	29.7	8.4	8.4	27.3	27.3	137.8	137.5	9.0	8.1	1.1	5.1	4	3	821513	810549
						1.0	0.4	95	29.7		8.4		27.3		137.2		9.0		1.2		3			
					Middle	3.4	0.4	87	29.2	29.2	8.4	8.4	28.1	28.1	108.7	108.4	7.1	4.5	4.4	3				
						3.4	0.4	90	29.1		8.4		28.1		108.1		7.1		5.0	2				
					Bottom	5.7	0.4	108	28.6	28.6	8.2	8.2	30.5	30.5	68.1	68.6	4.5	4.5	9.4	3				
						5.7	0.4	102	28.6		8.2		30.5		69.0		4.5		9.4	2				
IM12	Cloudy	Moderate	09:24	8.0	Surface	1.0	0.5	114	29.7	29.7	8.5	8.5	26.4	26.4	135.6	135.5	8.9	7.5	0.7	3.8	3	4	821170	811518
						1.0	0.5	112	29.7		8.5		26.4		135.3		8.9		0.7		3			
					Middle	4.0	0.5	93	29.2	29.2	8.3	8.3	28.5	28.5	91.8	91.8	6.0	4.7	3.5	4				
						4.0	0.5	94	29.2		8.3		28.6		91.7		6.0		3.8	4				
					Bottom	7.0	0.4	124	28.8	28.8	8.1	8.1	30.1	30.0	71.6	71.8	4.7	4.7	7.3	4				
						7.0	0.4	129	28.8		8.2		30.0		71.9		4.7		7.2	5				
SR1A	Cloudy	Moderate	08:57	5.9	Surface	1.0	0.0	73	29.7	29.7	8.4	8.4	27.4	27.4	115.5	115.3	7.6	7.6	2.5	4.5	4	4	819977	812658
						1.0	0.0	66	29.6		8.4		27.4		115.0		7.5		2.8		5			
					Middle	3.0	0.0	87	-	-	-	-	-	-	-	-	-	5.0	-	3				
						3.0	0.1	84	-		-		-		-		-		-	-	3			
					Bottom	4.9	0.0	58	29.1	29.1	8.2	8.2	29.9	29.9	76.6	76.7	5.0	5.0	6.3	4				
						4.9	0.1	50	29.1		8.2		29.9		76.7		5.0		6.4	4				
SR2	Cloudy	Moderate	08:43	5.1	Surface	1.0	0.4	36	29.5	29.5	8.3	8.3	27.4	27.4	109.1	109.0	7.2	7.2	1.5	2.3	3	4	821443	814178
						1.0	0.4	33	29.5		8.3		27.4		108.9		7.1		1.5		4			
					Middle	-	0.4	39	-	-	-	-	-	-	-	-	-	5.0	-	4				
						-	0.4	37	-		-		-		-		-		-	4				
					Bottom	4.1	0.4	52	29.1	29.1	8.1	8.1	29.7	29.7	76.1	76.2	5.0	5.0	3.1	4				
						4.1	0.3	55	29.1		8.1		29.7		76.2		5.0		3.1	4				
SR3	Cloudy	Moderate	09:03	8.6	Surface	1.0	0.5	159	29.8	29.8	8.4	8.4	26.5	26.6	131.9	131.7	8.7	8.0	2.1	5.8	4	4	822162	807573
						1.0	0.6	160	29.8		8.4		26.7		131.5		8.6		2.2		4			
					Middle	4.3	0.5	143	29.6	29.6	8.4	8.4	27.8	27.8	112.8	112.3	7.4	4.2	4.5	3				
						4.3	0.5	139	29.6		8.4		27.8		111.7		7.3		4.3	4				
					Bottom	7.6	0.5	141	28.3	28.3	8.2	8.2	31.9	31.9	64.0	64.4	4.2	4.2	10.9	3				
						7.6	0.6	139	28.3		8.2		31.9		64.7		4.2		11.0	3				
SR4A	Cloudy	Moderate	10:12	10.9	Surface	1.0	0.0	306	28.5	28.5	8.1	8.1	31.2	31.2	108.8	108.8	7.1	5.8	7.1	7.5	2	4	817191	807814
						1.0	0.1	302	28.5		8.1		31.2		108.8		7.1		6.8		3			
					Middle	5.5	0.0	327	28.4	28.4	8.1	8.1	31.6	31.6	67.2	67.2	4.4	3.9	5.6	3				
						5.5	0.0	323	28.4		8.1		31.6		67.2		4.4		5.6	4				
					Bottom	9.9	0.0	299	28.3	28.3	8.0	8.0	31.7	31.7	58.9	58.9	3.9	3.9	10.1	5				
						9.9	0.0	294	28.3		8.0		31.7		58.9		3.9		9.9	4				
SR8	Cloudy	Moderate	09:19	4.5	Surface	1.0	-	-	30.1	30.1	8.4	8.4	27.8	27.8	111.0	110.6	7.2	7.2	2.2	5.1	4	4	820371	811633
						1.0	-	-	30.1		8.4		27.8		110.2		7.1		2.3		3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	5.4	-	4				
						-	-	-	-		-		-		-		-		-	-	5			
					Bottom	3.5	-	-	29.8	29.8	8.4	8.4	27.9	27.9	83.3	83.3	5.4	5.4	7.9	4				
						3.5	-	-	29.8		8.4		27.9		83.2		5.4		8.1	4				

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

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

Water Quality Monitoring Results on 20 September 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	20:24	8.6	Surface	1.0	0.1	49	28.5	28.5	8.1	8.1	31.3	31.3	102.8	102.8	6.7	6.3	5.7	7.4	6	5	815614	804236		
						1.0	0.2	42	28.5		8.1		31.3		102.8		6.7		5.1		5					
					Middle	4.3	0.0	29	28.4	28.4	8.1	8.1	31.4	31.4	89.0	89.0	5.8	5.2	7.0	5.2	7.0				5.2	4
						4.3	0.1	31	28.4		8.1		31.4		89.0		5.8		7.0		4					
					Bottom	7.6	0.1	27	28.3	28.3	8.1	8.1	31.4	31.4	80.2	80.2	5.2	5.2	9.9	5.2	9.9				5.2	4
						7.6	0.1	24	28.3		8.1		31.4		80.2		5.2		9.9		4					
C2	Rainy	Moderate	21:32	11.0	Surface	1.0	0.0	331	29.3	29.3	8.3	8.3	29.3	29.3	126.5	126.5	8.2	7.3	9.2	9.5	3	4	825664	806960		
						1.0	0.1	332	29.3		8.3		29.4		126.5		8.2		9.4		3					
					Middle	5.5	-	333	29.0	29.0	8.2	8.2	29.8	29.8	98.6	98.6	6.4	5.1	8.8	5.1	8.4				5.1	4
						5.5	0.0	328	29.0		8.2		29.9		98.6		6.4		8.4		3					
					Bottom	10.0	0.0	316	28.8	28.8	8.2	8.2	30.5	30.5	77.4	77.4	5.1	5.1	10.5	5.1	10.6				5.1	4
						10.0	0.0	319	28.8		8.2		30.5		77.4		5.1		10.6		6					
C3	Cloudy	Moderate	21:21	10.3	Surface	1.0	0.0	147	29.4	29.4	8.4	8.4	28.7	28.7	122.3	122.1	8.0	6.9	2.2	3.8	6	5	822092	817825		
						1.0	0.1	146	29.4		8.4		28.7		121.9		8.0		2.2		7					
					Middle	5.2	0.0	144	28.7	28.7	8.2	8.2	31.1	31.2	89.7	89.3	5.8	4.9	3.2	4.9	3.4				4.9	5
						5.2	0.0	136	28.6		8.2		31.2		88.9		5.8		3.4		5					
					Bottom	9.3	0.0	178	28.4	28.4	8.2	8.2	31.8	31.8	74.9	74.8	4.9	4.9	5.8	4.9	6.0				4.9	3
						9.3	0.1	181	28.4		8.2		31.8		74.7		4.9		6.0		4					
IM1	Rainy	Moderate	20:43	6.1	Surface	1.0	0.1	48	28.6	28.6	8.2	8.2	31.8	31.8	99.5	99.5	6.4	5.0	2.7	8.4	2	3	818331	806457		
						1.0	0.0	49	28.6		8.2		31.8		99.5		6.4		2.7		3					
					Middle	3.1	0.1	26	28.0	28.0	8.2	8.2	33.0	33.0	54.2	54.3	3.5	3.7	6.8	3.7	7.0				3.7	3
						3.1	0.1	33	28.0		8.2		33.0		54.3		3.5		7.0		3					
					Bottom	5.1	0.1	29	27.9	27.9	8.2	8.2	33.4	33.4	56.2	56.3	3.7	3.7	15.8	3.7	15.4				3.7	4
						5.1	0.0	30	27.9		8.2		33.4		56.3		3.7		15.4		3					
IM2	Rainy	Moderate	20:49	6.7	Surface	1.0	0.1	32	28.6	28.6	8.2	8.2	32.1	32.1	90.5	90.5	5.9	5.3	2.7	6.5	4	4	819164	806257		
						1.0	0.1	28	28.6		8.2		32.2		90.5		5.9		2.8		3					
					Middle	3.4	0.1	29	28.2	28.2	8.2	8.2	32.7	32.8	72.5	72.4	4.7	3.7	5.4	3.7	4.7				3.7	4
						3.4	0.1	22	28.2		8.2		32.8		72.3		4.7		5.9		4					
					Bottom	5.7	0.1	8	27.8	27.8	8.2	8.2	33.5	33.5	56.8	57.1	3.7	3.7	11.1	3.7	11.1				3.7	4
						5.7	0.1	11	27.8		8.2		33.5		57.3		3.7		11.1		5					
IM7	Rainy	Moderate	21:09	7.8	Surface	1.0	0.1	55	29.8	29.8	8.5	8.5	26.3	26.3	145.6	145.4	9.6	9.3	1.3	3.6	4	4	821337	806817		
						1.0	0.1	58	29.8		8.5		26.3		145.2		9.5		1.3		5					
					Middle	3.9	0.1	30	29.7	29.7	8.5	8.5	26.5	26.5	136.2	135.9	9.0	7.7	3.2	7.7	8.9				7.7	4
						3.9	0.1	34	29.7		8.5		26.4		135.5		8.9		3.5		4					
					Bottom	6.8	0.1	37	29.6	29.6	8.3	8.3	28.2	28.2	118.7	118.8	7.7	7.7	6.1	7.7	7.7				7.7	4
						6.8	0.1	31	29.6		8.3		28.2		118.9		7.7		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 20 September 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	Cloudy	Moderate	20:06	7.6	Surface	1.0	0.1	319	29.9	29.9	8.5	8.5	27.1	27.1	142.0	141.8	9.3	8.0	1.4	2.8	4	5	822220	809860									
						1.0	0.1	325	29.8	8.5	8.5	27.1	27.1	141.6	141.8	9.3	8.0	1.4	2.8	3													
					Middle	3.8	0.1	326	29.5	29.5	8.2	8.2	28.8	28.8	102.0	101.9	6.6	5.9	4.4	2.8	4				5	822220	809860						
						3.8	0.2	322	29.5	29.5	8.2	8.2	28.8	28.8	101.8	101.9	6.6	5.9	4.4	2.8	5												
					Bottom	6.6	0.1	301	29.4	29.4	8.2	8.2	29.2	29.2	90.7	91.0	5.9	5.9	4.4	4.3	5							5	822220	809860			
						6.6	0.1	301	29.4	29.4	8.2	8.2	29.2	29.2	91.2	91.0	5.9	5.9	4.3	4.3	6												
IM11	Cloudy	Moderate	20:13	7.4	Surface	1.0	0.1	298	30.0	30.0	8.4	8.4	27.1	27.1	137.6	137.3	9.0	8.3	2.8	4.0	3	4	821481	810557									
						1.0	0.0	292	29.9	30.0	8.4	8.4	27.2	27.1	137.0	137.3	8.9	8.3	3.2	4.0	4												
					Middle	3.7	0.1	285	29.3	29.3	8.4	8.4	28.4	28.5	118.1	117.0	7.7	5.8	4.9	4.0	4				4	821481	810557						
						3.7	0.1	282	29.3	29.3	8.4	8.4	28.6	28.5	115.9	117.0	7.6	5.8	5.0	4.0	4												
					Bottom	6.4	0.1	278	29.0	29.0	8.2	8.2	29.4	29.5	89.1	88.4	5.8	5.8	3.8	4.1	4							4	821481	810557			
						6.4	0.1	271	29.0	29.0	8.2	8.2	29.5	29.5	87.7	88.4	5.7	5.8	4.1	4.1	5												
IM12	Cloudy	Moderate	20:20	8.0	Surface	1.0	0.1	288	29.7	29.7	8.4	8.4	27.7	27.7	132.3	129.7	8.6	7.6	2.0	5.5	6	5	821144	811505									
						1.0	0.1	289	29.7	29.7	8.4	8.4	27.8	27.7	127.1	129.7	8.3	7.6	2.1	5.5	5												
					Middle	4.0	0.2	297	29.2	29.2	8.3	8.3	29.1	29.2	102.0	101.3	6.7	5.8	4.6	5.5	4				5	821144	811505						
						4.0	0.2	299	29.1	29.2	8.3	8.3	29.3	29.2	100.5	101.3	6.6	5.8	5.0	5.5	4												
					Bottom	7.0	0.1	274	28.7	28.7	8.1	8.1	30.6	30.6	71.3	71.6	4.7	4.7	9.5	9.7	4							5	821144	811505			
						7.0	0.1	267	28.7	28.7	8.1	8.1	30.6	30.6	71.8	71.6	4.7	4.7	9.7	9.7	3												
SR1A	Cloudy	Moderate	20:47	5.5	Surface	1.0	0.0	173	29.6	29.6	8.4	8.4	27.6	27.6	132.4	132.4	8.7	7.0	2.2	7.0	4	4	819975	812654									
						1.0	0.1	166	29.6	29.6	8.4	8.4	27.6	27.6	132.3	132.4	8.7	7.0	2.3	7.0	5												
					Middle	2.8	-	186	-	-	-	-	-	-	-	-	-	-	-	-	-				5.2	-	4				819975	812654	
						2.8	0.0	188	-	-	-	-	-	-	-	-	-	-	-	-	-				5.2	-							
					Bottom	4.5	0.0	202	29.5	29.5	8.3	8.3	28.5	28.6	107.3	107.2	7.0	7.0	8.1	7.0	8.1				7.0	4		4	819975	812654			
						4.5	0.1	201	29.5	29.5	8.3	8.3	28.6	28.6	107.0	107.2	7.0	7.0	8.3	7.0	8.3				7.0	3							
SR2	Cloudy	Moderate	21:00	4.8	Surface	1.0	0.1	6	29.7	29.7	8.4	8.4	28.1	28.1	133.5	133.4	8.7	8.7	1.8	4.0	4	4	821473	814185									
						1.0	0.1	0	29.7	29.7	8.4	8.4	28.1	28.1	133.2	133.4	8.7	8.7	1.9	4.0	4												
					Middle	-	0.0	347	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4.0	-				4	821473	814185
						-	0.0	344	-	-	-	-	-	-	-	-	-	-	-	-	-				-	4.0	-						
					Bottom	3.8	0.0	356	29.5	29.5	8.4	8.4	28.5	28.5	118.9	118.7	7.8	7.8	6.1	7.8	6.1				7.8	4	4	821473	814185				
						3.8	0.0	354	29.5	29.5	8.4	8.4	28.5	28.5	118.5	118.7	7.7	7.8	6.3	7.8	6.3				7.8	5							
SR3	Rainy	Moderate	21:17	8.4	Surface	1.0	0.0	10	29.7	29.7	8.5	8.5	26.4	26.4	139.7	139.4	9.2	8.2	1.2	2.1	4	4	822128	807562									
						1.0	0.0	12	29.6	29.6	8.5	8.5	26.4	26.4	139.1	139.4	9.2	8.2	1.3	2.1	3												
					Middle	4.2	0.1	33	29.4	29.4	8.3	8.3	28.4	28.5	110.7	110.7	7.2	7.2	2.0	2.1	4				4	822128				807562			
						4.2	0.1	33	29.4	29.4	8.3	8.3	28.5	28.5	110.7	110.7	7.2	7.2	2.0	2.1	4												
					Bottom	7.4	0.0	35	29.2	29.2	8.2	8.2	29.8	29.8	87.2	87.2	5.7	5.7	3.2	5.7	3.2						5.7	4	4		822128	807562	
						7.4	0.1	34	29.1	29.2	8.2	8.2	29.8	29.8	87.2	87.2	5.7	5.7	3.0	5.7	3.0						5.7	4					
SR4A	Rainy	Moderate	20:06	8.9	Surface	1.0	0.0	280	28.6	28.6	8.2	8.2	31.2	31.2	123.4	123.4	8.0	6.5	9.5	11.9	4	4	817211	807790									
						1.0	0.0	276	28.6	28.6	8.2	8.2	31.2	31.2	123.4	123.4	8.0	6.5	9.4	11.9	3												
					Middle	4.5	0.0	289	28.4	28.4	8.2	8.2	31.2	31.2	75.6	75.6	4.9	4.4	12.1	11.9	4				4	817211	807790						
						4.5	0.0	290	28.4	28.4	8.2	8.2	31.2	31.2	75.6	75.6	4.9	4.4	11.7	11.9	4												
					Bottom	7.9	0.0	284	28.3	28.3	8.1	8.1	31.2	31.2	67.3	67.3	4.4	4.4	14.3	11.9	4							4	817211	807790			
						7.9	0.0	276	28.3	28.3	8.1	8.1	31.2	31.2	67.3	67.3	4.4	4.4	14.4	11.9	5												
SR8	Cloudy	Moderate	20:26	4.1	Surface	1.0	-	-	30.0	30.0	8.4	8.4	27.1	27.1	130.5	130.5	8.5	8.5	2.9	6.4	5	4	820404	811631									
						1.0	-	-	30.0	30.0	8.4	8.4	27.1	27.1	130.5	130.5	8.5	8.5	2.9	6.4	4												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	6.4	-				4	820404	811631
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	6.4	-						
					Bottom	3.1	-	-	29.6	29.6	8.3	8.3	27.3	27.3	111.8	111.2	7.3	7.3	9.8	7.3	9.8				7.3	3	4	820404	811631				
						3.1	-	-	29.6	29.6	8.3	8.3	27.3	27.3	110.6	111.2	7.3	7.3	9.9	7.3	9.9				7.3	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 22 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	10:43	8.2	Surface	1.0	0.4	205	28.6	8.3	8.3	31.4	31.4	94.7	94.5	6.2	5.8	3.2	6.3	5	4	815603	804268	
						1.0	0.4	212	28.6	8.3	8.3	31.4	31.4	94.3	94.5	6.2		3.4		6				
					Middle	4.1	0.4	217	28.3	8.3	8.3	32.0	32.0	80.6	80.6	5.3		5.0		3				
						4.1	0.5	218	28.3	8.3	8.3	32.0	32.0	80.5	80.6	5.3		4.8		4				
					Bottom	7.2	0.4	223	28.4	8.3	8.3	32.4	32.4	79.8	80.0	5.2		10.8		3				
						7.2	0.4	222	28.4	8.3	8.3	32.4	32.4	80.1	80.0	5.2		10.8		3				
C2	Cloudy	Moderate	12:10	10.6	Surface	1.0	0.5	177	29.0	8.3	8.3	29.2	29.2	98.2	98.0	6.4	5.8	2.0	8.7	4	4	825678	806959	
						1.0	0.5	179	29.0	8.3	8.3	29.2	29.2	97.8	98.0	6.4		2.0		3				
					Middle	5.3	0.5	161	28.5	8.2	8.2	30.4	30.4	77.9	77.8	5.1		12.2		4				
						5.3	0.5	165	28.5	8.2	8.2	30.5	30.4	77.7	77.8	5.1		12.0		5				
					Bottom	9.6	0.5	158	28.2	8.2	8.2	31.9	31.9	69.1	69.4	4.5		12.2		5				
						9.6	0.5	164	28.2	8.2	8.2	31.9	31.9	69.6	69.4	4.6		12.1		5				
C3	Fine	Moderate	10:03	9.0	Surface	1.0	0.3	83	27.9	8.2	8.2	28.5	28.5	90.3	90.1	6.0	5.7	1.2	3.2	5	5	822106	817783	
						1.0	0.3	79	27.9	8.2	8.2	28.5	28.5	89.9	90.1	6.0		1.2		5				
					Middle	4.5	0.3	51	27.7	8.2	8.2	28.9	29.0	82.3	81.6	5.5		3.6		5				
						4.5	0.3	45	27.7	8.2	8.2	29.0	29.0	80.9	81.6	5.4		3.7		5				
					Bottom	8.0	0.3	93	27.7	8.2	8.2	29.1	29.1	77.3	77.7	5.2		4.6		6				
						8.0	0.3	98	27.7	8.2	8.2	29.1	29.1	78.1	77.7	5.2		4.8		6				
IM1	Cloudy	Moderate	11:01	6.9	Surface	1.0	0.3	199	28.5	8.2	8.2	31.4	31.4	86.1	86.1	5.6	5.4	4.0	6.5	4	5	818355	806440	
						1.0	0.3	199	28.5	8.2	8.2	31.4	31.4	86.0	86.1	5.6		4.0		4				
					Middle	3.5	0.4	208	28.3	8.2	8.2	31.4	31.4	79.6	79.6	5.2		4.9		4				
						3.5	0.4	211	28.3	8.2	8.2	31.4	31.4	79.5	79.6	5.2		4.9		4				
					Bottom	5.9	0.4	194	28.3	8.2	8.2	31.9	31.9	69.9	70.0	4.6		10.6		5				
						5.9	0.4	189	28.3	8.2	8.2	31.9	31.9	70.1	70.0	4.6		10.7		6				
IM2	Cloudy	Moderate	11:10	7.4	Surface	1.0	0.5	207	28.4	8.2	8.2	31.3	31.3	88.0	87.9	5.8	5.5	3.9	7.8	4	5	819193	806221	
						1.0	0.5	202	28.4	8.2	8.2	31.3	31.3	87.8	87.9	5.7		3.9		5				
					Middle	3.7	0.5	196	28.4	8.2	8.2	31.3	31.3	81.8	81.7	5.3		4.1		5				
						3.7	0.4	194	28.4	8.2	8.2	31.3	31.3	81.6	81.7	5.3		4.2		4				
					Bottom	6.4	0.5	219	28.3	8.2	8.2	31.7	31.7	70.5	70.6	4.6		15.2		6				
						6.4	0.4	222	28.3	8.2	8.2	31.7	31.7	70.7	70.6	4.6		15.4		7				
IM7	Cloudy	Moderate	11:39	8.3	Surface	1.0	0.3	192	28.6	8.3	8.3	30.1	30.1	93.1	93.1	6.1	5.9	3.3	5.8	5	5	821329	806816	
						1.0	0.3	196	28.6	8.3	8.3	30.1	30.1	93.1	93.1	6.1		3.3		5				
					Middle	4.2	0.3	221	28.3	8.2	8.2	30.6	30.6	84.7	84.6	5.6		5.5		4				
						4.2	0.3	214	28.3	8.2	8.2	30.7	30.6	84.5	84.6	5.6		5.7		5				
					Bottom	7.3	0.2	225	28.3	8.2	8.2	31.4	31.4	75.5	75.6	4.9		8.6		5				
						7.3	0.2	218	28.3	8.2	8.2	31.4	31.4	75.6	75.6	5.0		8.5		4				

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	11:16	8.2	Surface	1.0	0.4	137	28.0	8.2	8.2	28.0	28.1	89.2	88.6	6.0	5.8	7.0	8.3	6	6	822260	809852	
						1.0	0.4	140	28.0	8.2	8.2	28.1	28.1	88.0	5.9	7.0								
					Middle	4.1	0.4	123	27.9	8.2	8.2	28.2	28.3	83.2	83.2	5.6								8.8
						4.1	0.4	119	27.9	8.2	8.2	28.3	28.3	83.1	83.2	5.6								8.9
					Bottom	7.2	0.4	136	27.9	8.2	8.2	28.2	28.1	87.1	88.6	5.8								9.0
						7.2	0.3	129	27.9	8.2	8.2	28.0	28.1	90.1	88.6	6.1								9.0
IM11	Fine	Moderate	11:09	9.0	Surface	1.0	0.4	105	28.1	8.2	8.2	28.0	28.0	92.5	90.6	6.2	6.0	4.6	5.2	6	6	821515	810537	
						1.0	0.4	102	28.1	8.2	8.2	28.0	28.0	88.6	5.9	4.6								
					Middle	4.5	0.4	106	27.9	8.2	8.2	28.3	28.3	87.9	87.9	5.9								5.1
						4.5	0.4	98	27.9	8.2	8.2	28.3	28.3	87.9	87.9	5.9								5.0
					Bottom	8.0	0.4	87	27.6	8.2	8.2	28.4	28.5	91.6	94.1	6.2								5.8
						8.0	0.4	80	27.6	8.2	8.2	28.5	28.5	96.6	94.1	6.5								5.9
IM12	Fine	Moderate	11:03	8.4	Surface	1.0	0.5	98	28.1	8.2	8.2	27.8	27.8	92.9	92.8	6.2	6.2	4.3	5.3	4	4	821175	811510	
						1.0	0.5	99	28.1	8.2	8.2	27.8	27.8	92.7	92.8	6.2								4.3
					Middle	4.2	0.5	91	27.9	8.2	8.2	28.1	28.1	92.3	92.3	6.2								4.9
						4.2	0.5	87	27.8	8.2	8.2	28.2	28.1	92.2	92.3	6.2								5.0
					Bottom	7.4	0.5	121	27.5	8.2	8.2	28.4	28.4	95.6	96.4	6.4								6.7
						7.4	0.5	117	27.5	8.2	8.2	28.4	28.4	97.1	96.4	6.6								6.7
SR1A	Fine	Moderate	10:40	4.6	Surface	1.0	0.1	93	27.8	8.2	8.2	28.3	28.3	86.8	86.9	5.8	5.9	7.3	7.7	4	4	819975	812664	
						1.0	0.1	86	27.7	8.2	8.2	28.3	28.3	87.0	86.9	5.9								7.4
					Middle	2.3	0.1	87	-	-	-	-	-	-	-	-								-
						2.3	0.0	87	-	-	-	-	-	-	-	-								-
					Bottom	3.6	-	107	27.4	8.2	8.2	28.5	28.5	92.0	92.7	6.2								8.1
						3.6	0.0	106	27.4	8.2	8.2	28.5	28.5	93.3	92.7	6.3								8.2
SR2	Fine	Moderate	10:26	5.0	Surface	1.0	0.4	34	28.2	8.2	8.2	27.8	27.8	90.6	90.7	6.1	6.1	2.4	2.8	4	5	821458	814144	
						1.0	0.4	27	28.2	8.2	8.2	27.8	27.8	90.7	90.7	6.1								2.4
					Middle	-	0.5	38	-	-	-	-	-	-	-	-								-
						-	0.4	36	-	-	-	-	-	-	-	-								-
					Bottom	4.0	0.5	31	27.3	8.3	8.3	28.5	28.5	99.6	99.6	6.7								3.1
						4.0	0.5	37	27.3	8.3	8.3	28.5	28.5	99.6	99.6	6.7								3.1
SR3	Cloudy	Moderate	11:47	8.5	Surface	1.0	0.4	170	28.7	8.2	8.2	29.7	29.7	90.2	90.2	5.9	5.6	4.1	6.8	5	5	822125	807582	
						1.0	0.4	174	28.7	8.2	8.2	29.7	29.7	90.1	90.2	5.9								4.1
					Middle	4.3	0.4	169	28.3	8.2	8.2	30.6	30.6	79.8	79.7	5.2								5.8
						4.3	0.5	163	28.3	8.2	8.2	30.6	30.6	79.5	79.5	5.2								6.1
					Bottom	7.5	0.5	179	28.2	8.2	8.2	31.3	31.3	78.1	78.2	5.1								10.2
						7.5	0.4	172	28.2	8.2	8.2	31.3	31.3	78.3	78.2	5.1								10.7
SR4A	Cloudy	Moderate	10:26	8.8	Surface	1.0	0.0	79	28.6	8.1	8.1	31.5	31.5	82.5	82.5	5.4	5.1	6.2	8.9	5	5	817207	807813	
						1.0	0.0	78	28.6	8.1	8.1	31.5	31.5	82.4	82.5	5.4								6.2
					Middle	4.4	0.0	87	28.4	8.1	8.1	31.9	31.9	73.5	73.5	4.8								8.4
						4.4	-	80	28.4	8.1	8.1	31.9	31.9	73.5	73.5	4.8								8.5
					Bottom	7.8	0.0	72	28.4	8.0	8.0	32.1	32.1	68.5	68.6	4.5								12.1
						7.8	0.1	68	28.4	8.0	8.0	32.1	32.1	68.6	68.6	4.5								12.0
SR8	Fine	Moderate	10:58	5.8	Surface	1.0	-	-	28.0	8.2	8.2	28.1	28.2	86.8	87.0	5.8	5.8	5.9	6.2	12	820374	811608		
						1.0	-	-	27.9	8.2	8.2	28.2	28.2	87.1	87.0	5.8							6.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-							-	
						-	-	-	-	-	-	-	-	-	-	-							-	
					Bottom	4.8	-	-	27.5	8.2	8.2	28.4	28.4	91.9	92.5	6.2							6.5	
						4.8	-	-	27.5	8.2	8.2	28.4	28.4	93.0	92.5	6.3							6.5	

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

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

Water Quality Monitoring Results on 22 September 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	17:47	8.0	Surface	1.0	0.3	33	28.7	28.7	8.3	8.3	30.7	30.7	89.9	89.8	5.9	5.4	11.0	11.0	5	4	815643	804256
						1.0	0.2	34	28.7	8.3	8.3	30.7	30.7	89.7	89.8	5.9	5.4	11.0	11.0	4				
					Middle	4.0	0.2	42	28.4	28.4	8.2	8.2	31.4	31.4	75.5	75.4	4.9	4.8	10.6	11.0	4			
						4.0	0.3	41	28.4	28.4	8.2	8.2	31.4	31.4	75.3	75.4	4.9	4.8	10.5	11.0	5			
					Bottom	7.0	0.2	25	28.3	28.3	8.2	8.2	31.6	31.6	73.3	73.6	4.8	4.8	11.3	11.0	4			
						7.0	0.3	29	28.3	28.3	8.2	8.2	31.6	31.6	73.8	73.6	4.8	4.8	11.5	11.0	3			
C2	Rainy	Moderate	16:36	11.6	Surface	1.0	0.1	185	29.5	29.5	8.4	8.4	27.4	27.4	113.6	113.6	7.5	6.3	2.7	7.5	4	4	825679	806944
						1.0	0.1	189	29.5	29.5	8.4	8.4	27.4	27.4	113.5	113.6	7.5	6.3	2.7	7.5	4			
					Middle	5.8	0.1	165	28.6	28.6	8.3	8.3	30.2	30.3	76.1	76.1	5.0	4.9	6.8	7.5	4			
						5.8	0.2	166	28.6	28.6	8.3	8.3	30.3	30.3	76.0	76.1	5.0	4.9	6.9	7.5	4			
					Bottom	10.6	0.1	204	28.5	28.5	8.3	8.3	30.8	30.8	73.5	73.8	4.8	4.9	13.5	12.3	4			
						10.6	0.0	209	28.5	28.5	8.3	8.3	30.8	30.8	74.1	73.8	4.9	4.9	12.6	12.3	4			
C3	Fine	Moderate	17:47	9.6	Surface	1.0	0.3	264	28.0	28.0	8.2	8.2	28.8	28.8	87.2	86.6	5.8	5.5	2.9	3.6	9	8	822129	817800
						1.0	0.3	266	28.0	28.0	8.2	8.2	28.9	28.8	86.0	86.6	5.7	5.5	2.9	3.6	8			
					Middle	4.8	0.3	245	27.8	27.8	8.2	8.2	29.2	29.2	79.3	79.4	5.3	5.5	3.0	3.6	8			
						4.8	0.3	243	27.8	27.8	8.2	8.2	29.3	29.2	79.4	79.4	5.3	5.5	3.0	3.6	7			
					Bottom	8.6	0.3	264	27.8	27.9	8.2	8.2	29.4	29.3	84.9	85.9	5.7	5.8	5.0	3.6	7			
						8.6	0.3	270	27.9	27.9	8.2	8.2	29.3	29.3	86.8	85.9	5.8	5.8	5.0	3.6	6			
IM1	Rainy	Moderate	17:33	6.5	Surface	1.0	0.1	19	28.7	28.7	8.2	8.2	31.4	31.4	81.4	81.4	5.3	5.3	8.2	12.3	6	6	818346	806464
						1.0	0.2	17	28.7	28.7	8.2	8.2	31.4	31.4	81.4	81.4	5.3	5.3	8.6	12.3	6			
					Middle	3.3	0.1	29	28.6	28.6	8.2	8.2	31.4	31.4	81.2	81.2	5.3	5.3	12.3	12.3	6			
						3.3	0.2	29	28.6	28.6	8.2	8.2	31.4	31.4	81.1	81.2	5.3	5.3	12.2	12.3	6			
					Bottom	5.5	0.1	35	28.6	28.6	8.2	8.2	31.4	31.4	79.3	79.3	5.2	5.2	16.2	12.3	6			
						5.5	0.1	40	28.6	28.6	8.2	8.2	31.4	31.4	79.2	79.3	5.2	5.2	16.3	12.3	4			
IM2	Rainy	Moderate	17:25	6.7	Surface	1.0	0.1	352	28.8	28.8	8.3	8.3	31.1	31.1	85.4	85.3	5.6	5.1	9.8	12.2	3	5	819191	806214
						1.0	0.1	344	28.8	28.8	8.3	8.3	31.1	31.1	85.1	85.3	5.5	5.1	9.9	12.2	4			
					Middle	3.4	0.1	5	28.3	28.3	8.2	8.2	31.6	31.6	71.3	71.1	4.7	4.6	11.1	12.2	5			
						3.4	0.1	5	28.3	28.3	8.2	8.2	31.6	31.6	70.9	71.1	4.6	4.6	11.3	12.2	4			
					Bottom	5.7	0.1	341	28.3	28.3	8.2	8.2	31.8	31.8	65.8	65.9	4.3	4.3	15.1	12.2	7			
						5.7	0.1	344	28.3	28.3	8.2	8.2	31.8	31.8	66.0	65.9	4.3	4.3	15.8	12.2	6			
IM7	Rainy	Moderate	16:55	8.4	Surface	1.0	0.2	265	29.0	29.0	8.3	8.3	29.3	29.3	99.4	99.3	6.5	6.3	3.2	6.9	4	4	821356	806816
						1.0	0.2	264	29.0	29.0	8.3	8.3	29.4	29.3	99.2	99.3	6.5	6.3	3.5	6.9	4			
					Middle	4.2	0.1	282	28.7	28.7	8.3	8.3	30.0	30.0	91.8	91.9	6.0	6.0	8.4	6.9	4			
						4.2	0.1	287	28.7	28.7	8.3	8.3	30.0	30.0	91.9	91.9	6.0	6.0	8.5	6.9	5			
					Bottom	7.4	0.1	285	28.7	28.7	8.3	8.3	30.0	30.0	92.7	92.8	6.1	6.1	8.9	6.9	5			
						7.4	0.2	278	28.7	28.7	8.3	8.3	30.0	30.0	92.9	92.8	6.1	6.1	9.0	6.9	4			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 22 September 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	16:38	8.4	Surface	1.0	0.2	269	28.3	8.5	8.5	27.8	27.8	94.8	94.3	6.3	6.1	6.4	5.3	4	4	822226	809826	
						1.0	0.2	261	28.3	8.5	8.5	27.8	27.8	93.8	6.3									
					Middle	4.2	0.2	262	28.2	8.5	8.5	28.0	28.0	88.3	88.3	5.9								5.2
						4.2	0.2	257	28.2	8.5	8.5	28.0	28.0	88.3	88.3	5.9								5.2
					Bottom	7.4	0.1	260	28.2	8.5	8.5	28.1	28.0	94.3	95.0	6.3								6.7
						7.4	0.1	257	28.2	8.5	8.5	28.0	28.0	95.6	95.6	6.4								6.7
IM11	Fine	Moderate	16:43	8.0	Surface	1.0	0.3	280	28.5	8.4	8.4	27.7	27.7	99.1	98.9	6.6	6.4	6.5	5.2	6	821521	810544		
						1.0	0.3	283	28.5	8.4	8.4	27.7	27.7	98.7	98.9	6.6							4.0	
					Middle	4.0	0.3	284	28.4	8.4	8.4	27.8	27.9	93.6	93.3	6.2							5.2	
						4.0	0.2	291	28.3	8.4	8.4	27.9	27.9	92.9	93.3	6.2							5.2	
					Bottom	7.0	0.3	272	28.3	8.5	8.5	28.0	28.0	94.1	96.6	6.3							6.4	
						7.0	0.3	267	28.3	8.5	8.5	28.0	28.0	99.1	96.6	6.6							6.5	
IM12	Fine	Moderate	16:50	7.2	Surface	1.0	0.3	297	28.3	8.3	8.3	27.9	27.9	95.3	93.7	6.4	6.2	6.4	7.4	6	821176	811512		
						1.0	0.2	295	28.3	8.3	8.3	27.9	27.9	92.1	93.7	6.1							6.4	
					Middle	3.6	0.3	268	28.3	8.3	8.3	28.0	28.1	91.3	91.2	6.1							7.6	
						3.6	0.3	263	28.3	8.3	8.3	28.1	28.1	91.1	91.2	6.1							7.5	
					Bottom	6.2	0.3	300	28.3	8.3	8.3	28.2	28.1	92.5	94.8	6.2							8.1	
						6.2	0.3	299	28.3	8.3	8.3	28.1	28.1	97.0	94.8	6.5							8.1	
SR1A	Fine	Moderate	17:12	4.2	Surface	1.0	0.0	199	28.5	8.3	8.3	28.0	28.0	90.9	90.9	6.1	6.1	6.0	8.9	9	819975	812666		
						1.0	0.1	205	28.5	8.3	8.3	28.0	28.0	90.8	90.9	6.0							8.4	
					Middle	2.1	0.0	195	-	-	-	-	-	-	-	-							-	
						2.1	0.1	200	-	-	-	-	-	-	-	-							-	
					Bottom	3.2	0.0	166	28.4	8.3	8.3	28.0	28.0	90.6	90.6	6.0							9.4	
						3.2	-	161	28.4	8.3	8.3	28.0	28.0	90.5	90.6	6.0							9.3	
SR2	Fine	Moderate	17:25	5.8	Surface	1.0	0.1	239	28.1	8.3	8.3	28.1	28.1	91.2	91.2	6.1	6.1	6.4	7.4	9	821451	814169		
						1.0	0.1	236	28.1	8.3	8.3	28.1	28.1	91.2	91.2	6.1							6.9	
					Middle	-	0.1	224	-	-	-	-	-	-	-	-							-	
						-	0.1	224	-	-	-	-	-	-	-	-							-	
					Bottom	4.8	0.1	225	28.0	8.3	8.3	28.2	28.1	94.2	95.1	6.3							7.8	
						4.8	0.0	221	28.0	8.3	8.3	28.0	28.1	96.0	95.1	6.4							7.9	
SR3	Rainy	Moderate	16:51	8.4	Surface	1.0	0.1	234	29.1	8.3	8.3	28.6	28.6	105.3	105.2	6.9	6.3	5.4	4.7	6	822150	807591		
						1.0	0.1	238	29.1	8.3	8.3	28.6	28.6	105.1	105.2	6.9							2.0	
					Middle	4.2	0.1	232	28.7	8.2	8.2	29.9	29.9	88.3	87.9	5.8							2.1	
						4.2	0.1	236	28.7	8.2	8.2	30.0	30.3	87.4	87.9	5.7							4.9	
					Bottom	7.4	0.0	234	28.6	8.2	8.2	30.3	30.3	82.0	82.0	5.4							7.0	
						7.4	0.0	232	28.6	8.2	8.2	30.3	30.3	82.0	82.0	5.4							7.2	
SR4A	Rainy	Moderate	18:03	9.2	Surface	1.0	0.1	174	28.9	8.2	8.2	30.7	30.7	90.9	90.9	5.9	5.9	5.8	13.8	4	817196	807803		
						1.0	0.1	170	28.9	8.2	8.2	30.7	30.8	90.8	90.9	5.9							13.0	
					Middle	4.6	0.0	203	28.8	8.2	8.2	30.8	30.8	88.7	88.7	5.8							13.2	
						4.6	0.0	205	28.8	8.2	8.2	30.8	30.8	88.7	88.7	5.8							12.7	
					Bottom	8.2	0.0	185	28.8	8.2	8.2	30.8	30.8	88.7	88.7	5.8							12.8	
						8.2	0.1	178	28.8	8.3	8.2	30.8	30.8	88.7	88.7	5.8							15.6	
SR8	Fine	Moderate	16:55	5.4	Surface	1.0	-	-	28.6	8.3	8.3	27.7	27.7	98.7	98.7	6.6	6.6	6.6	4.6	7	820372	811634		
						1.0	-	-	28.6	8.3	8.3	27.7	27.7	98.6	98.7	6.6							4.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-							-	
						-	-	-	-	-	-	-	-	-	-	-							-	
					Bottom	4.4	-	-	28.5	8.3	8.3	27.8	27.8	98.9	99.2	6.6							5.1	
						4.4	-	-	28.5	8.3	8.3	27.7	27.7	99.4	99.2	6.6							5.1	

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

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

Water Quality Monitoring Results on 24 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA														
C1	Cloudy	Moderate	12:30	8.1	Surface	1.0	0.5	215	28.8	28.8	8.3	8.3	31.4	31.5	92.3	92.3	6.0	5.7	4.4	7.4	4	4	815596	804241										
						1.0	0.5	216	28.8	8.3	8.3	31.5	31.5	92.2	92.3	6.0	4.4		3															
					Middle	4.1	0.5	204	28.3	28.3	8.3	8.3	32.5	32.5	83.5	83.4	5.4		7.3		4													
						4.1	0.5	201	28.3	28.3	8.3	8.3	32.6	32.5	83.2	83.4	5.4		7.8		5													
					Bottom	7.1	0.5	197	28.2	28.2	8.3	8.3	33.1	33.1	83.2	83.3	5.4		10.3		4													
						7.1	0.5	198	28.2	28.2	8.3	8.3	33.1	33.1	83.3	83.3	5.4		10.0		5													
					C2	Cloudy	Moderate	13:53	11.2	Surface	1.0	0.4	161	28.9	28.9	8.2	8.2		28.7		28.7				90.2	90.2	5.9	5.7	2.0	7.9	10	8	825687	806941
											1.0	0.5	154	28.9	28.9	8.2	8.2		28.7		28.7				90.2	90.2	5.9		2.0		9			
Middle	5.6	0.5	169	28.8						28.8	8.2	8.2	29.0	29.0	83.9	84.0	5.5	10.5	7															
	5.6	0.5	174	28.8						28.8	8.2	8.2	29.0	29.0	84.0	84.0	5.5	10.5	8															
Bottom	10.2	0.4	165	28.6						28.6	8.2	8.2	29.9	29.9	77.5	77.5	5.1	11.1	7															
	10.2	0.4	159	28.6						28.6	8.2	8.2	29.9	29.9	77.4	77.5	5.1	11.6	8															
C3	Fine	Moderate	11:11	9.8						Surface	1.0	0.4	87	27.8	27.8	8.4	8.4	28.7	28.8	79.4	79.0	5.3	5.0	6.2	7.4	7	5		822106		817825			
											1.0	0.4	84	27.8	27.8	8.4	8.4	28.8	28.8	78.6	79.0	5.3		6.1		6								
					Middle	4.9	0.3	94	27.6	27.6	8.5	8.5	29.3	29.4	69.3	69.3	4.6	8.0	5															
						4.9	0.4	100	27.6	27.6	8.5	8.5	29.4	29.4	69.2	69.3	4.6	8.0	5															
					Bottom	8.8	0.4	79	27.6	27.6	8.5	8.5	29.4	29.4	69.9	70.1	4.7	8.2	5															
						8.8	0.4	83	27.6	27.6	8.5	8.5	29.4	29.4	70.2	70.1	4.7	8.2	4															
					IM1	Cloudy	Moderate	12:50	6.6	Surface	1.0	0.3	180	28.8	28.8	8.2	8.2	31.9	31.9	84.6	84.6	5.5		5.4		5.2		8.0		4		5	818370	806436
											1.0	0.3	174	28.8	28.8	8.2	8.2	31.9	31.9	84.6	84.6	5.5				5.2				5				
Middle	3.3	0.4	207	28.4						28.4	8.2	8.2	32.0	32.0	80.3	80.3	5.2	6.1	4															
	3.3	0.4	209	28.4						28.4	8.2	8.2	32.0	32.0	80.3	80.3	5.2	6.1	4															
Bottom	5.6	0.4	177	28.2						28.2	8.2	8.2	32.8	32.8	80.7	80.7	5.2	12.5	6															
	5.6	0.4	170	28.2						28.2	8.2	8.2	32.8	32.8	80.7	80.7	5.2	12.7	6															
IM2	Cloudy	Moderate	12:56	7.4						Surface	1.0	0.4	203	28.8	28.8	8.2	8.2	31.4	31.4	83.4	83.4	5.4	5.3		5.4	10.3	4		5	819199	806236			
											1.0	0.5	198	28.8	28.8	8.2	8.2	31.4	31.4	83.3	83.4	5.4			5.4		4							
					Middle	3.7	0.4	193	28.4	28.4	8.2	8.2	31.9	31.9	79.6	79.6	5.2	9.4	4															
						3.7	0.4	189	28.4	28.4	8.2	8.2	31.9	31.9	79.5	79.6	5.2	9.5	5															
					Bottom	6.4	0.4	204	28.3	28.3	8.2	8.2	32.5	32.5	77.8	77.9	5.1	16.2	5															
						6.4	0.4	207	28.3	28.3	8.2	8.2	32.5	32.5	78.0	77.9	5.1	16.2	5															
					IM7	Cloudy	Moderate	13:20	7.9	Surface	1.0	0.3	210	28.9	28.9	8.2	8.2	29.3	29.3	92.1	92.1	6.0		5.8	4.1		7.0	6				5	821334	806837
											1.0	0.3	213	28.9	28.9	8.2	8.2	29.3	29.3	92.1	92.1	6.0			4.1			5						
Middle	4.0	0.3	195	28.7						28.7	8.2	8.2	30.0	30.1	86.3	86.3	5.7	6.1	5															
	4.0	0.3	199	28.7						28.7	8.2	8.2	30.1	30.1	86.2	86.3	5.6	6.2	4															
Bottom	6.9	0.3	201	28.3						28.3	8.3	8.3	31.7	31.7	82.0	82.2	5.4	10.8	4															
	6.9	0.3	207	28.3						28.3	8.3	8.3	31.7	31.7	82.3	82.2	5.4	11.0	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 24 September 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
IM10	Fine	Moderate	12:30	8.2	Surface	1.0	0.4	106	28.2	28.2	8.3	8.3	27.9	28.0	87.6	87.2	5.9	5.6	5.4	5.4	5.8	6.6	6	822231	809834
						1.0	0.4	105	28.1	28.2	8.3	8.3	28.1	28.0	86.7	87.2	5.8								
					Middle	4.1	0.4	119	28.0	28.0	8.2	8.2	28.5	28.5	80.7	80.8	5.4								
						4.1	0.4	120	27.9	28.0	8.2	8.2	28.6	28.5	80.9	80.8	5.4								
					Bottom	7.2	0.5	116	27.7	27.7	8.2	8.2	28.8	28.8	84.0	87.0	5.6								
						7.2	0.5	112	27.6	27.7	8.3	8.2	28.8	28.8	89.9	87.0	6.0								
IM11	Fine	Moderate	12:18	9.0	Surface	1.0	0.5	98	28.2	28.2	8.2	8.2	27.7	27.7	84.6	84.5	5.7	5.6	5.6	5.6	6.0	6.6	8	821485	810540
						1.0	0.5	92	28.2	28.2	8.2	8.2	27.8	27.7	84.3	84.5	5.6								
					Middle	4.5	0.5	82	28.1	28.1	8.2	8.2	27.9	27.9	83.8	83.8	5.6								
						4.5	0.6	77	28.1	28.1	8.2	8.2	27.9	27.9	83.7	83.8	5.6								
					Bottom	8.0	0.5	83	28.1	28.1	8.2	8.2	27.9	27.9	88.5	89.3	5.9								
						8.0	0.5	83	28.1	28.1	8.2	8.2	27.9	27.9	90.0	89.3	6.0								
IM12	Fine	Moderate	12:11	8.8	Surface	1.0	0.5	108	28.1	28.1	8.2	8.2	28.1	28.1	78.4	78.3	5.2	5.2	5.2	5.2	6.0	6.6	6	821155	811527
						1.0	0.5	104	28.1	28.1	8.2	8.2	28.2	28.1	78.2	78.3	5.2								
					Middle	4.4	0.5	117	28.0	28.0	8.2	8.2	28.3	28.3	78.4	78.6	5.2								
						4.4	0.5	120	28.0	28.0	8.2	8.2	28.3	28.3	78.8	78.6	5.3								
					Bottom	7.8	0.5	96	28.0	28.0	8.2	8.2	28.3	28.3	81.9	84.1	5.5								
						7.8	0.5	100	28.0	28.0	8.2	8.2	28.3	28.3	86.2	84.1	5.8								
SR1A	Fine	Moderate	11:49	5.6	Surface	1.0	0.0	63	28.2	28.2	8.2	8.2	28.0	28.0	85.0	85.0	5.7	5.7	5.7	5.7	5.8	6.6	8	819979	812659
						1.0	0.0	62	28.2	28.2	8.2	8.2	28.0	28.0	84.9	85.0	5.7								
					Middle	2.8	-	51	-	-	-	-	-	-	-	-	-								
						2.8	0.1	44	-	-	-	-	-	-	-	-	-								
					Bottom	4.6	0.0	56	28.2	28.2	8.2	8.2	28.0	28.0	85.8	86.9	5.7								
						4.6	0.0	49	28.2	28.2	8.2	8.2	28.0	28.0	87.9	86.9	5.9								
SR2	Fine	Moderate	11:35	5.6	Surface	1.0	0.4	50	28.1	28.1	8.4	8.4	27.9	27.9	85.3	85.4	5.7	5.7	5.7	5.7	6.6	7	821462	814186	
						1.0	0.4	49	28.1	28.1	8.4	8.4	28.0	27.9	85.4	85.4	5.7								
					Middle	-	0.4	51	-	-	-	-	-	-	-	-	-								
						-	0.4	54	-	-	-	-	-	-	-	-	-								
					Bottom	4.6	0.4	50	28.5	28.6	8.4	8.4	27.9	27.8	86.9	87.4	5.8								
						4.6	0.5	50	28.7	28.6	8.4	8.4	27.8	27.8	87.9	87.4	5.8								
SR3	Cloudy	Moderate	13:30	8.8	Surface	1.0	0.4	181	28.8	28.8	8.2	8.2	29.5	29.5	90.0	90.0	5.9	5.7	5.7	5.7	6.6	7	822170	807571	
						1.0	0.5	175	28.7	28.8	8.2	8.2	29.5	29.5	89.9	90.0	5.9								
					Middle	4.4	0.4	169	28.5	28.5	8.2	8.2	30.3	30.3	82.6	82.6	5.4								
						4.4	0.4	174	28.5	28.5	8.2	8.2	30.4	30.4	82.5	82.6	5.4								
					Bottom	7.8	0.5	169	28.4	28.4	8.2	8.2	30.8	30.8	84.2	84.4	5.5								
						7.8	0.5	165	28.4	28.4	8.2	8.2	30.8	30.8	84.5	84.4	5.5								
SR4A	Cloudy	Moderate	12:13	9.2	Surface	1.0	0.1	89	28.7	28.7	8.5	8.5	31.9	31.9	82.3	82.3	5.3	5.1	5.1	5.1	6.6	7	817194	807799	
						1.0	0.1	87	28.6	28.7	8.5	8.5	32.0	31.9	82.2	82.3	5.3								
					Middle	4.6	-	64	28.4	28.4	8.5	8.5	32.6	32.6	75.7	75.7	4.9								
						4.6	0.0	66	28.4	28.4	8.5	8.5	32.6	32.6	75.7	75.7	4.9								
					Bottom	8.2	0.0	87	28.4	28.4	8.6	8.6	32.6	32.6	76.9	77.1	5.0								
						8.2	0.0	79	28.4	28.4	8.6	8.6	32.6	32.6	77.2	77.1	5.0								
SR8	Fine	Moderate	12:07	5.2	Surface	1.0	-	-	28.9	28.9	8.2	8.2	27.0	27.4	90.3	90.4	6.9	6.5	6.5	6.5	7.0	7	820401	811633	
						1.0	-	-	28.9	28.9	8.2	8.2	27.8	27.4	90.4	90.4	6.0								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.2	-	-	28.5	28.5	8.2	8.2	27.7	27.7	91.9	92.5	6.1								
						4.2	-	-	28.4	28.5	8.2	8.2	27.8	27.7	93.0	92.5	6.2								

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

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

Water Quality Monitoring Results on 24 September 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	18:22	7.8	Surface	1.0	0.3	42	28.6	28.6	8.2	8.2	31.2	31.2	82.7	82.6	5.4	5.4	14.6	13.1	4	5	815619	804237
						1.0	0.3	39	28.5	28.6	8.2	8.2	31.2	31.2	82.4	82.6	5.4	5.4	14.6	13.1	4			
					Middle	3.9	0.2	27	28.4	28.4	8.2	8.2	31.9	31.9	80.6	80.6	5.3	5.3	12.2	13.1	5			
						3.9	0.2	30	28.4	28.4	8.2	8.2	31.9	31.9	80.6	80.6	5.3	5.3	12.4	13.1	4			
					Bottom	6.8	0.3	6	28.4	28.4	8.2	8.2	32.2	32.2	81.4	81.5	5.3	5.3	12.2	13.1	5			
						6.8	0.2	6	28.4	28.4	8.2	8.2	32.2	32.2	81.6	81.5	5.3	5.3	12.6	13.1	5			
C2	Cloudy	Moderate	17:13	11.4	Surface	1.0	0.1	185	28.9	28.9	8.2	8.2	28.7	28.7	90.5	90.5	6.0	5.8	1.7	5.9	7	9	825689	806929
						1.0	0.1	191	28.9	28.9	8.2	8.2	28.7	28.7	90.4	90.5	5.9	5.8	1.8	5.9	8			
					Middle	5.7	0.1	195	28.9	28.9	8.2	8.2	28.9	28.9	85.3	85.2	5.6	5.6	5.6	5.9	9			
						5.7	0.1	201	28.9	28.9	8.2	8.2	28.9	28.9	85.1	85.2	5.6	5.6	5.6	5.9	8			
					Bottom	10.4	0.1	165	28.6	28.6	8.1	8.1	29.9	29.9	72.5	72.3	4.8	4.8	10.0	10.0	10			
						10.4	0.0	165	28.6	28.6	8.1	8.1	29.9	29.9	72.1	72.3	4.7	4.8	10.4	10.0	10			
C3	Fine	Moderate	18:25	9.2	Surface	1.0	0.4	274	28.1	28.1	8.2	8.2	28.4	28.4	79.7	79.7	5.3	5.3	5.9	6.5	6	5	822102	817820
						1.0	0.4	281	28.0	28.1	8.2	8.2	28.5	28.4	79.6	79.7	5.3	5.3	5.8	6.5	4			
					Middle	4.6	0.4	280	27.9	27.9	8.2	8.2	28.7	28.7	79.4	79.5	5.3	5.3	6.2	6.5	5			
						4.6	0.4	280	27.9	27.9	8.2	8.2	28.7	28.7	79.5	79.5	5.3	5.3	6.3	6.5	5			
					Bottom	8.2	0.4	248	27.8	27.9	8.2	8.2	28.9	28.9	81.0	82.5	5.4	5.5	7.5	6.5	5			
						8.2	0.4	255	27.9	27.9	8.2	8.2	28.9	28.9	83.9	82.5	5.6	5.5	7.6	6.5	4			
IM1	Cloudy	Moderate	18:07	6.2	Surface	1.0	0.1	32	28.6	28.6	8.2	8.2	32.2	32.2	85.3	85.3	5.5	5.5	5.9	7.6	4	5	818335	806438
						1.0	0.1	33	28.6	28.6	8.2	8.2	32.2	32.2	85.2	85.3	5.5	5.5	5.8	7.6	4			
					Middle	3.1	0.1	37	28.5	28.5	8.2	8.2	32.3	32.3	84.2	84.1	5.5	5.5	6.1	10.3	4			
						3.1	0.1	30	28.5	28.5	8.2	8.2	32.3	32.3	84.0	84.1	5.5	5.5	6.1	10.3	5			
					Bottom	5.2	0.1	359	28.2	28.2	8.2	8.2	32.7	32.7	78.8	79.0	5.1	5.1	10.8	10.3	5			
						5.2	0.1	359	28.2	28.2	8.1	8.2	32.7	32.7	79.1	79.0	5.1	5.1	10.9	10.3	5			
IM2	Cloudy	Moderate	18:01	7.1	Surface	1.0	0.1	294	28.6	28.6	8.2	8.2	32.1	32.1	84.1	84.1	5.5	5.5	6.2	10.3	3	4	819175	806222
						1.0	0.1	293	28.6	28.6	8.2	8.2	32.1	32.1	84.1	84.1	5.5	5.5	6.2	10.3	4			
					Middle	3.6	0.1	283	28.4	28.4	8.2	8.2	32.3	32.3	83.3	83.2	5.4	5.4	11.4	10.3	4			
						3.6	0.1	276	28.4	28.4	8.2	8.2	32.3	32.3	83.0	83.2	5.4	5.4	11.1	10.3	5			
					Bottom	6.1	0.1	265	28.2	28.2	8.2	8.2	32.6	32.6	80.8	81.0	5.3	5.3	13.8	10.3	5			
						6.1	0.1	261	28.2	28.2	8.2	8.2	32.6	32.6	81.1	81.0	5.3	5.3	13.3	10.3	4			
IM7	Cloudy	Moderate	17:44	7.8	Surface	1.0	0.1	265	28.8	28.8	8.2	8.2	29.4	29.4	88.0	87.9	5.8	5.7	5.2	9.3	6	5	821330	806842
						1.0	0.1	268	28.8	28.8	8.2	8.2	29.5	29.4	87.7	87.9	5.8	5.7	5.4	9.3	5			
					Middle	3.9	0.2	287	28.6	28.6	8.2	8.2	29.9	29.9	84.7	84.7	5.6	5.6	10.4	9.3	5			
						3.9	0.1	288	28.6	28.6	8.2	8.2	29.9	29.9	84.7	84.7	5.6	5.6	10.3	9.3	4			
					Bottom	6.8	0.2	282	28.6	28.6	8.2	8.2	30.0	30.0	85.9	86.0	5.6	5.6	12.3	9.3	4			
						6.8	0.1	288	28.6	28.6	8.2	8.2	30.0	30.0	86.0	86.0	5.6	5.6	12.2	9.3	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 24 September 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	17:18	8.4	Surface	1.0	0.2	243	28.3	28.3	8.3	8.3	27.6	27.7	87.7	86.0	5.9	5.7	5.1	6.4	8	7	822238	809816				
						1.0	0.2	237	28.2	28.3	8.3	8.3	27.7	27.7	84.2	86.0	5.6	5.7	5.0	6.4	8							
					Middle	4.2	0.2	242	28.2	28.2	8.3	8.3	27.9	27.9	84.6	84.8	5.7	5.7	6.9	6.4	6	7						
						4.2	0.3	248	28.2	28.2	8.3	8.3	27.9	27.9	84.9	84.8	5.7	5.7	6.8	6.4	7	7						
					Bottom	7.4	0.3	237	28.5	28.6	8.3	8.3	27.8	27.8	86.3	86.8	5.7	5.8	7.3	6.3	7	7						
						7.4	0.3	239	28.6	28.6	8.3	8.3	27.7	27.8	87.3	86.8	5.8	5.8	7.3	6.3	7	7						
IM11	Fine	Moderate	17:26	7.0	Surface	1.0	0.3	280	28.3	28.3	8.2	8.2	27.7	27.7	88.7	88.9	5.9	6.0	6.4	7.5	9	8	821479	810545				
						1.0	0.4	273	28.3	28.3	8.2	8.2	27.7	27.7	89.0	88.9	5.9	6.0	6.5	7.5	8							
					Middle	3.5	0.3	256	28.3	28.3	8.2	8.2	27.8	27.8	89.7	90.0	6.0	6.0	7.7	7.5	8	8						
						3.5	0.3	248	28.3	28.3	8.2	8.2	27.8	27.8	90.2	90.0	6.0	6.0	7.8	7.5	8	8						
					Bottom	6.0	0.3	273	28.3	28.3	8.2	8.2	27.9	27.9	92.4	93.3	6.2	6.3	8.5	6.3	8	8						
						6.0	0.4	278	28.3	28.3	8.2	8.2	27.9	27.9	94.2	93.3	6.3	6.3	8.5	6.3	8	8						
IM12	Fine	Moderate	17:33	6.8	Surface	1.0	0.3	264	28.4	28.4	8.2	8.2	27.6	27.6	85.7	85.6	5.7	5.7	5.2	6.3	9	9	821157	811506				
						1.0	0.4	269	28.4	28.4	8.2	8.2	27.6	27.6	85.4	85.6	5.7	5.7	5.1	6.3	9							
					Middle	3.4	0.3	296	28.4	28.4	8.2	8.2	27.7	27.7	84.9	84.9	5.7	5.7	6.1	6.3	9	9						
						3.4	0.3	289	28.3	28.4	8.2	8.2	27.7	27.7	84.8	84.9	5.7	5.7	6.0	6.3	8	9						
					Bottom	5.8	0.3	254	28.3	28.3	8.2	8.2	27.7	27.7	84.7	84.8	5.7	5.7	7.6	6.3	8	8						
						5.8	0.3	254	28.3	28.3	8.2	8.2	27.7	27.7	84.8	84.8	5.7	5.7	7.6	6.3	8	8						
SR1A	Fine	Moderate	17:53	4.8	Surface	1.0	0.0	191	28.3	28.3	8.2	8.2	27.8	27.8	85.1	85.2	5.7	5.7	5.7	5.9	8	8	819972	812658				
						1.0	0.0	192	28.3	28.3	8.2	8.2	27.8	27.8	85.2	85.2	5.7	5.7	5.7	5.9	8							
					Middle	2.4	0.1	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
						2.4	0.1	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
					Bottom	3.8	0.0	173	28.3	28.3	8.2	8.2	27.8	27.8	85.5	85.6	5.7	5.7	6.1	6.3	7	5.9			8	8		
						3.8	0.0	177	28.3	28.3	8.2	8.2	27.8	27.8	85.7	85.6	5.7	5.7	6.1	6.3	8	5.9			8	8		
SR2	Fine	Moderate	18:05	5.8	Surface	1.0	0.1	224	28.2	28.2	8.2	8.2	27.8	27.8	87.2	87.4	5.8	5.9	8.1	8.6	6	8	821467	814171				
						1.0	0.2	221	28.2	28.2	8.2	8.2	27.8	27.8	87.6	87.4	5.9	5.9	8.2	8.6	8							
					Middle	-	0.1	221	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
						-	0.1	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
					Bottom	4.8	0.1	250	28.1	28.1	8.2	8.2	27.9	27.9	90.0	91.5	6.0	6.1	9.1	6.1	9	8.6			8	8		
						4.8	0.1	245	28.1	28.1	8.2	8.2	27.9	27.9	92.9	91.5	6.2	6.1	9.0	6.1	9	8.6			8	8		
SR3	Cloudy	Moderate	17:38	8.6	Surface	1.0	0.2	296	28.7	28.7	8.2	8.2	29.3	29.3	88.7	88.7	5.8	5.6	6.1	9.0	4	4	822155	807557				
						1.0	0.2	297	28.7	28.7	8.2	8.2	29.4	29.3	88.6	88.7	5.8	5.6	6.2	9.0	4							
					Middle	4.3	0.1	296	28.6	28.6	8.2	8.2	29.8	29.8	82.1	82.1	5.4	5.4	7.2	9.0	4	4						
						4.3	0.1	288	28.6	28.6	8.2	8.2	29.9	29.9	82.0	82.1	5.4	5.4	7.2	9.0	4	4						
					Bottom	7.6	0.1	311	28.5	28.5	8.2	8.2	30.2	30.2	82.9	83.1	5.4	5.5	13.9	6.1	4	9.0			4	4		
						7.6	0.1	311	28.5	28.5	8.2	8.2	30.2	30.2	83.2	83.1	5.5	5.5	13.0	6.1	4	9.0			4	4		
SR4A	Cloudy	Moderate	18:42	8.8	Surface	1.0	0.0	209	28.8	28.8	8.2	8.2	30.8	30.8	83.6	83.7	5.4	5.5	10.2	11.7	6	6	817209	807805				
						1.0	0.0	212	28.8	28.8	8.2	8.2	30.8	30.8	83.7	83.7	5.4	5.5	10.1	11.7	7							
					Middle	4.4	-	217	28.8	28.8	8.2	8.2	30.8	30.8	84.4	84.5	5.5	5.5	11.6	11.7	5	6						
						4.4	0.0	219	28.8	28.8	8.2	8.2	30.8	30.8	84.6	84.5	5.5	5.5	11.6	11.7	6	6						
					Bottom	7.8	0.0	211	28.8	28.8	8.2	8.2	30.8	30.8	85.9	86.0	5.6	5.6	13.5	6.1	6	6						
						7.8	0.0	205	28.8	28.8	8.2	8.2	30.8	30.8	86.0	86.0	5.6	5.6	13.2	6.1	5	6						
SR8	Fine	Moderate	17:38	5.4	Surface	1.0	-	-	28.5	28.5	8.2	8.2	27.8	27.8	88.3	88.3	5.9	5.9	5.2	6.1	10	9	820388	811625				
						1.0	-	-	28.4	28.4	8.2	8.2	27.8	27.8	88.3	88.3	5.9	5.9	5.3	6.1	9							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	9	9
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	9	9
					Bottom	4.4	-	-	28.4	28.4	8.2	8.2	27.8	27.8	89.0	91.5	5.9	6.1	7.0	6.1	8	6.1			8	9		
						4.4	-	-	28.4	28.4	8.2	8.2	27.8	27.8	93.9	91.5	6.3	6.1	7.0	6.1	8	6.1			8	9		

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Rainy	Moderate	13:08	8.4	Surface	1.0	0.4	213	<u>28.6</u>	28.6	8.3	8.3	<u>33.4</u>	33.4	<u>94.6</u>	94.6	6.1	6.1	5.7	7.1	22	23	815639	804236		
						1.0	0.4	211	28.6		8.3		33.4		94.6		6.1		5.7		23					
					Middle	4.2	0.4	213	<u>28.4</u>	28.4	8.3	8.3	<u>33.7</u>	33.7	<u>93.7</u>	93.7	6.0	6.0	6.2	6.2	22				6.2	22
						4.2	0.4	216	28.4		8.3		33.7		93.7		6.0		6.2		23					
					Bottom	7.4	0.3	193	<u>28.4</u>	28.4	8.3	8.3	<u>33.7</u>	33.7	<u>93.7</u>	93.8	6.0	6.1	9.0	6.1	24				9.0	24
						7.4	0.3	188	28.3		8.3		33.8		93.8		6.1		9.5		25					
C2	Rainy	Moderate	12:10	11.2	Surface	1.0	0.2	183	<u>28.7</u>	28.7	8.2	8.2	<u>30.7</u>	30.8	<u>83.9</u>	83.9	5.5	5.5	11.5	12.5	8	10	825684	806938		
						1.0	0.2	178	28.7		8.2		30.8		83.8		5.5		11.4		7					
					Middle	5.6	0.2	171	<u>28.5</u>	28.5	8.2	8.2	<u>31.1</u>	31.1	<u>84.3</u>	84.4	5.5	5.5	12.6	5.5	12.4				12.6	8
						5.6	0.2	167	28.5		8.2		31.2		84.5		5.5		12.4		9					
					Bottom	10.2	0.2	188	<u>28.4</u>	28.5	8.3	8.3	<u>31.5</u>	31.5	<u>87.5</u>	87.7	5.7	5.7	13.9	5.7	13.9				13.2	14
						10.2	0.2	182	28.5		8.3		31.5		87.8		5.7		13.2		13					
C3	Fine	Moderate	13:18	9.6	Surface	1.0	0.4	82	<u>27.8</u>	27.8	8.2	8.2	<u>29.3</u>	29.3	<u>72.8</u>	72.8	4.9	4.9	3.2	4.1	7	7	822115	817794		
						1.0	0.4	83	27.8		8.2		29.3		72.8		4.9		3.1		7					
					Middle	4.8	0.4	65	<u>27.8</u>	27.8	8.2	8.1	<u>29.4</u>	29.4	<u>73.4</u>	73.6	4.9	4.9	4.2	4.9	4.1				4.9	8
						4.8	0.4	62	27.8		8.1		29.4		73.8		4.9		4.1		7					
					Bottom	8.6	0.5	92	<u>27.8</u>	27.8	8.1	8.1	<u>29.4</u>	29.4	<u>77.1</u>	78.0	5.2	5.3	5.1	5.3	5.1				5.3	8
						8.6	0.5	86	27.8		8.1		29.4		78.9		5.3		5.0		6					
IM1	Rainy	Moderate	12:53	6.5	Surface	1.0	0.1	179	<u>28.5</u>	28.5	8.3	8.3	<u>32.3</u>	32.4	<u>88.4</u>	88.5	5.7	5.8	6.7	9.5	12	13	818344	806468		
						1.0	0.1	173	28.5		8.3		32.4		88.6		5.7		6.9		12					
					Middle	3.3	0.2	203	<u>28.4</u>	28.4	8.3	8.3	<u>32.9</u>	32.9	<u>89.7</u>	89.8	5.8	5.8	9.4	5.8	9.8				5.8	13
						3.3	0.1	207	28.4		8.3		33.0		89.8		5.8		9.8		13					
					Bottom	5.5	0.2	194	<u>28.3</u>	28.3	8.3	8.3	<u>33.6</u>	33.6	<u>92.1</u>	92.2	6.0	6.0	12.1	6.0	12.1				6.0	13
						5.5	0.1	191	28.3		8.3		33.6		92.3		6.0		12.2		13					
IM2	Rainy	Moderate	12:48	7.2	Surface	1.0	0.2	158	<u>28.5</u>	28.5	8.3	8.3	<u>31.9</u>	31.9	<u>87.8</u>	87.8	5.7	5.7	5.8	8.3	11	10	819201	806247		
						1.0	0.2	158	28.5		8.3		31.9		87.7		5.7		6.3		12					
					Middle	3.6	0.2	190	<u>28.4</u>	28.4	8.3	8.3	<u>32.3</u>	32.3	<u>88.3</u>	88.5	5.7	5.7	8.3	5.7	8.5				5.7	11
						3.6	0.1	189	28.4		8.3		32.3		88.6		5.8		8.5		11					
					Bottom	6.2	0.1	187	<u>28.3</u>	28.3	8.3	8.3	<u>33.2</u>	33.2	<u>90.4</u>	90.6	5.9	5.9	10.4	5.9	10.4				5.9	9
						6.2	0.2	189	28.3		8.3		33.2		90.7		5.9		10.4		8					
IM7	Rainy	Moderate	12:31	8.4	Surface	1.0	0.2	94	<u>28.8</u>	28.8	8.2	8.2	<u>30.2</u>	30.3	<u>82.1</u>	82.1	5.4	5.4	6.8	12.0	8	8	821341	806853		
						1.0	0.2	87	28.8		8.2		30.4		82.1		5.4		7.0		8					
					Middle	4.2	0.2	91	<u>28.5</u>	28.5	8.2	8.2	<u>31.3</u>	31.3	<u>82.2</u>	82.3	5.4	5.4	12.0	5.4	12.6				5.4	8
						4.2	0.2	87	28.5		8.2		31.3		82.3		5.4		12.6		8					
					Bottom	7.4	0.2	124	<u>28.5</u>	28.5	8.2	8.2	<u>31.5</u>	31.5	<u>82.9</u>	83.0	5.4	5.4	16.8	5.4	16.8				5.4	8
						7.4	0.2	121	28.5		8.2		31.5		83.0		5.4		16.9		9					

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
IM10	Fine	Moderate	12:13	9.2	Surface	1.0	0.3	82	<u>28.2</u>	28.2	8.2	8.2	<u>27.9</u>	27.9	80.9	80.9	5.4	5.4	7.0	8.1	8	8	822261	809851	
						1.0	0.4	79	28.2		8.2		27.9		80.9		5.4		7.0		7				
					Middle	4.6	0.3	75	<u>28.4</u>	8.2	8.2	<u>28.0</u>	28.0	81.0	81.1	5.4	5.4	8.1	8						
						4.6	0.3	81	28.4	8.2	8.2	28.0	28.0	81.1	81.1	5.4	5.4	8.1	8						
					Bottom	8.2	0.3	81	<u>28.8</u>	28.9	8.2	8.2	<u>27.6</u>	27.6	81.6	81.7	5.4	5.4	9.0	8.8	9.1				8
						8.2	0.3	74	28.9		8.2		27.6		81.8		5.4		9.1		8				
IM11	Fine	Moderate	12:20	7.8	Surface	1.0	0.4	101	<u>28.3</u>	28.3	8.1	8.1	<u>27.7</u>	27.7	80.1	80.2	5.4	5.4	5.5	6.8	7	8	821500	810549	
						1.0	0.4	103	28.3		8.1		27.7		80.2		5.4		5.6		7				
					Middle	3.9	0.4	71	<u>28.3</u>	28.3	8.1	8.1	<u>27.9</u>	27.9	81.0	81.2	5.4	5.4	6.9	8.8	9				
						3.9	0.4	66	28.3		8.1		27.9		81.3		5.4		7.0		8				
					Bottom	6.8	0.3	115	<u>28.3</u>	28.3	8.1	8.1	<u>27.9</u>	27.9	82.7	83.1	5.5	5.6	7.9	8.8	8				
						6.8	0.4	112	28.3		8.1		27.8		83.5		5.6		7.9		8				
IM12	Fine	Moderate	12:26	7.2	Surface	1.0	0.4	101	<u>28.2</u>	28.2	8.2	8.2	<u>28.2</u>	28.2	76.8	77.0	5.1	5.2	7.1	8.3	8	8	821163	811532	
						1.0	0.4	103	28.2		8.2		28.2		77.2		5.2		7.1		7				
					Middle	3.6	0.4	106	<u>28.2</u>	28.2	8.1	8.1	<u>28.2</u>	28.2	78.1	78.2	5.2	5.2	8.7	8.8	8				
						3.6	0.4	108	28.2		8.1		28.2		78.3		5.2		8.6		8				
					Bottom	6.2	0.4	119	<u>28.2</u>	28.2	8.1	8.1	<u>28.2</u>	28.2	80.7	81.1	5.4	5.4	9.1	8.8	8				
						6.2	0.3	124	28.2		8.1		28.2		81.4		5.4		9.1		8				
SR1A	Fine	Moderate	12:44	5.8	Surface	1.0	0.0	18	<u>28.2</u>	28.2	8.1	8.1	<u>28.1</u>	28.1	75.6	75.6	5.0	5.1	6.2	6.7	8	8	819981	812657	
						1.0	0.0	19	28.2		8.1		28.1		75.6		5.1		6.2		7				
					Middle	2.9	0.0	25	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.9	0.1	28	-		-		-		-		-		-		-				-
					Bottom	4.8	0.1	33	<u>28.2</u>	28.2	8.1	8.1	<u>28.1</u>	28.1	76.2	76.3	5.1	5.1	7.3	8.8	8				
						4.8	0.1	32	28.2		8.1		28.1		76.4		5.1		7.3		8				
SR2	Fine	Moderate	12:56	5.6	Surface	1.0	0.4	47	<u>28.1</u>	28.1	8.1	8.1	<u>28.2</u>	28.3	77.3	77.2	5.2	5.2	8.3	8.6	8	7	821469	814157	
						1.0	0.4	51	28.1		8.1		28.3		77.1		5.2		8.2		8				
					Middle	-	0.3	52	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.3	46	-		-		-		-		-		-		-				
					Bottom	4.6	0.3	64	<u>28.0</u>	28.1	8.1	8.1	<u>28.3</u>	28.3	82.6	83.2	5.5	5.6	9.0	8.8	7				
						4.6	0.3	70	28.1		8.1		28.3		83.8		5.6		9.0		7				
SR3	Rainy	Moderate	12:25	8.9	Surface	1.0	0.3	126	<u>28.8</u>	28.8	8.1	8.1	<u>29.9</u>	29.9	80.6	80.6	5.3	5.3	5.2	9.0	8	8	822133	807568	
						1.0	0.3	120	28.8		8.1		30.0		80.5		5.3		5.8		7				
					Middle	4.5	0.2	125	<u>28.6</u>	28.6	8.2	8.2	<u>30.5</u>	30.5	80.8	80.9	5.3	5.3	9.2	8.8	8				
						4.5	0.2	121	28.6		8.2		30.5		80.9		5.3		9.5		8				
					Bottom	7.9	0.2	154	<u>28.6</u>	28.6	8.2	8.2	<u>30.9</u>	30.9	86.1	86.3	5.6	5.6	12.1	8.8	9				
						7.9	0.2	161	28.6		8.2		30.9		86.5		5.6		12.1		8				
SR4A	Rainy	Moderate	13:29	9.3	Surface	1.0	0.1	81	<u>28.5</u>	28.5	8.3	8.3	<u>32.3</u>	32.4	87.2	87.2	5.7	5.7	9.7	11.2	22	21	817195	807805	
						1.0	0.1	76	28.5		8.3		32.4		87.1		5.7		9.4		21				
					Middle	4.7	0.0	99	<u>28.3</u>	28.3	8.3	8.3	<u>33.0</u>	33.0	87.8	88.0	5.7	5.7	10.2	8.8	21				
						4.7	0.0	105	28.3		8.3		33.1		88.1		5.7		10.5		20				
					Bottom	8.3	0.0	114	<u>28.3</u>	28.3	8.3	8.3	<u>33.4</u>	33.4	90.2	90.3	5.8	5.9	13.9	8.8	20				
						8.3	0.1	106	28.3		8.3		33.4		90.4		5.9		13.5		21				
SR8	Fine	Moderate	12:29	5.4	Surface	1.0	-	-	<u>28.3</u>	28.3	8.1	8.1	<u>28.1</u>	28.1	81.3	81.4	5.4	5.4	8.5	8.8	7	7	820386	811627	
						1.0	-	-	28.3		8.1		28.1		81.4		5.4		8.6		6				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-		-		-		-		-		-				
					Bottom	4.4	-	-	<u>28.2</u>	28.2	8.1	8.1	<u>28.1</u>	28.1	84.5	85.1	5.6	5.7	9.0	8.8	8				
						4.4	-	-	28.2		8.1		28.1		85.7		5.7		9.0		7				

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	08:02	8.8	Surface	1.0	0.4	38	28.3	8.3	8.3	33.7	33.7	90.4	90.4	5.8	5.8	12.8	12.8	6	6	7	815640	804264
						1.0	0.4	37	28.3	8.3	8.3	33.7	33.7	90.4	90.4	5.8	5.8	12.8	12.8	7	7			
					Middle	4.4	0.5	26	28.2	8.3	8.3	33.7	33.7	89.9	89.9	5.8	5.8	13.4	13.4	6	6			
						4.4	0.5	29	28.2	8.3	8.3	33.7	33.7	89.9	89.9	5.8	5.8	13.8	13.8	7	7			
					Bottom	7.8	0.4	37	28.2	8.3	8.3	33.7	33.7	89.8	89.8	5.8	5.8	11.4	11.4	8	8			
						7.8	0.5	44	28.2	8.3	8.3	33.7	33.7	89.8	89.8	5.8	5.8	11.2	11.2	9	9			
C2	Cloudy	Moderate	09:10	11.6	Surface	1.0	0.5	351	28.8	8.2	8.2	30.3	30.3	82.2	82.4	5.4	5.4	9.3	9.3	6	6	7	825660	806933
						1.0	0.5	352	28.8	8.2	8.2	30.3	30.3	82.5	82.4	5.4	5.4	9.9	9.9	7	7			
					Middle	5.8	0.5	353	28.7	8.2	8.2	30.9	30.9	84.3	84.4	5.5	5.5	14.8	14.8	7	7			
						5.8	0.5	357	28.7	8.2	8.2	31.0	31.0	84.5	84.4	5.5	5.5	14.1	14.1	7	7			
					Bottom	10.6	0.5	358	28.6	8.2	8.2	31.2	31.1	87.0	87.2	5.7	5.7	16.3	16.3	9	9			
						10.6	0.5	352	28.6	8.2	8.2	31.1	31.1	87.3	87.2	5.7	5.7	16.3	16.3	8	8			
C3	Fine	Moderate	08:03	9.8	Surface	1.0	0.5	268	28.3	8.0	8.0	27.5	27.5	81.9	81.9	10.3	10.3	7.2	7.2	12	12	14	822096	817786
						1.0	0.5	266	28.3	8.0	8.0	27.5	27.5	81.9	81.9	10.7	10.7	7.1	7.1	13	13			
					Middle	4.9	0.6	237	28.3	8.0	8.0	27.6	27.6	81.9	81.9	12.0	12.0	8.1	8.1	14	14			
						4.9	0.6	231	28.3	8.0	8.0	27.7	27.7	81.9	81.9	12.3	12.3	8.4	8.4	13	13			
					Bottom	8.8	0.5	258	28.3	8.0	8.0	27.7	27.7	81.8	81.8	8.8	8.8	9.0	9.0	16	16			
						8.8	0.5	256	28.3	8.0	8.0	27.7	27.7	81.8	81.8	9.2	9.2	9.1	9.1	15	15			
IM1	Cloudy	Moderate	08:19	7.0	Surface	1.0	0.3	15	28.5	8.2	8.2	31.7	31.7	88.5	88.5	5.8	5.8	6.9	6.9	12	12	10	818369	806435
						1.0	0.3	12	28.5	8.2	8.2	31.7	31.7	88.4	88.4	5.8	5.8	6.9	6.9	12	12			
					Middle	3.5	0.3	357	28.5	8.2	8.2	31.9	31.9	85.2	85.1	5.5	5.5	11.7	11.7	11	11			
						3.5	0.3	3	28.5	8.2	8.2	31.9	31.9	85.0	85.1	5.5	5.5	12.1	12.1	10	10			
					Bottom	6.0	0.3	0	28.4	8.2	8.2	31.9	31.9	85.2	85.3	5.5	5.5	15.9	15.9	9	9			
						6.0	0.4	0	28.4	8.2	8.2	31.9	31.9	85.3	85.3	5.6	5.6	15.7	15.7	8	8			
IM2	Cloudy	Moderate	08:26	7.2	Surface	1.0	0.4	29	28.4	8.2	8.2	31.6	31.6	86.9	86.8	5.7	5.7	4.0	4.0	13	13	14	819183	806240
						1.0	0.4	33	28.4	8.2	8.2	31.6	31.6	86.7	86.8	5.7	5.7	4.0	4.0	14	14			
					Middle	3.6	0.4	15	28.4	8.2	8.2	31.7	31.7	86.1	86.1	5.6	5.6	3.8	3.8	14	14			
						3.6	0.4	11	28.4	8.2	8.2	31.7	31.7	86.1	86.1	5.6	5.6	3.9	3.9	14	14			
					Bottom	6.2	0.4	9	28.4	8.2	8.2	31.9	31.9	84.5	84.5	5.5	5.5	12.6	12.6	15	15			
						6.2	0.4	10	28.4	8.2	8.2	31.9	31.9	84.5	84.5	5.5	5.5	11.8	11.8	16	16			
IM7	Cloudy	Moderate	08:45	8.5	Surface	1.0	0.3	12	28.8	8.1	8.1	29.7	29.7	81.7	81.8	5.4	5.4	4.2	4.2	15	15	16	821367	806828
						1.0	0.3	15	28.8	8.1	8.1	29.7	29.7	81.8	81.8	5.4	5.4	4.2	4.2	16	16			
					Middle	4.3	0.4	352	28.5	8.2	8.2	31.1	31.0	82.1	82.2	5.4	5.4	8.9	8.9	16	16			
						4.3	0.4	358	28.6	8.2	8.2	31.0	31.0	82.2	82.2	5.4	5.4	8.7	8.7	16	16			
					Bottom	7.5	0.4	355	28.5	8.2	8.2	31.4	31.4	84.3	84.4	5.5	5.5	14.5	14.5	17	17			
						7.5	0.4	356	28.5	8.2	8.2	31.4	31.4	84.4	84.4	5.5	5.5	14.6	14.6	18	18			

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
IM10	Fine	Moderate	09:04	8.0	Surface	1.0	0.5	298	28.1	28.1	8.1	8.1	28.2	28.2	77.6	77.7	5.2	5.3	7.7	8.4	7	8	822261	809844							
						1.0	0.4	300	28.0		8.1		28.2		77.8		5.2		7.6												
					Middle	4.0	0.4	288	27.6	27.6	8.1	8.1	28.4	28.4	79.0	79.2	5.3	5.6	8.2	5.6	8.3	9.4			7	8					
						4.0	0.4	287	27.6		8.1		28.4		79.4		5.3		8.2												
					Bottom	7.0	0.4	282	27.3	27.3	8.1	8.1	28.5	28.5	82.0	82.5	5.5	5.6	9.4	5.6	8.2	9.5			9	8					
						7.0	0.4	279	27.3		8.1		28.6		83.0		5.6		8												
					IM11	Fine	Moderate	08:58	8.4	Surface	1.0	0.5	292	28.1	28.1	8.1	8.1	28.2	28.2	77.3	77.5	5.2			5.3	7.6	8.4	8	7	821511	810559
											1.0	0.5	294	28.0		8.1		28.2		77.6		5.2				7.5					
Middle	4.2	0.4	269	27.7						27.7	8.1	8.1	28.4	28.4	78.5	78.7	5.3	5.6	8.2	5.6	8.2	9.4	8	7							
	4.2	0.5	270	27.6							8.1		28.4		78.8		5.3		8.2												
Bottom	7.4	0.5	291	27.3						27.3	8.1	8.1	28.6	28.6	81.4	82.2	5.5	5.6	9.4	5.6	8.2	9.5	7	8							
	7.4	0.5	298	27.2							8.1		28.7		82.9		5.6		7												
IM12	Fine	Moderate	08:54	9.4						Surface	1.0	0.5	278	28.1	28.1	8.1	8.1	28.2	28.2	75.8	76.0	5.1	5.1	6.1	7.2	8	8	821140	811533		
											1.0	0.5	273	28.1		8.1		28.2		76.1		5.1		6.1							
					Middle	4.7	0.4	289	28.1	28.1	8.1	8.1	28.2	28.2	77.0	77.1	5.1	5.4	7.1	5.4	8	8									
						4.7	0.4	295	28.1		8.1		28.2		77.1		5.2		7.1												
					Bottom	8.4	0.4	275	28.1	28.1	8.1	8.1	28.2	28.2	79.7	80.0	5.3	5.4	8.4	5.4	8.4	8.5	9	8							
						8.4	0.5	268	28.1		8.1		28.2		80.3		5.4		9												
					SR1A	Fine	Moderate	08:30	4.8	Surface	1.0	-	209	28.1	28.1	8.0	8.0	27.9	27.9	79.1	79.3	5.3	5.3	5.4	6.0	7	8			819973	812659
											1.0	0.0	201	28.0		8.0		27.9		79.4		5.3		5.4							
Middle	2.4	0.0	211	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	2.4	0.0	204	-							-		-		-		-		-												
Bottom	3.8	0.1	222	28.0						28.0	8.0	8.0	28.0	28.0	81.9	82.7	5.5	5.6	6.6	5.6	6.6	6.6	8	8							
	3.8	0.1	226	28.0							8.0		27.9		83.4		5.6		8												
SR2	Fine	Moderate	08:17	5.6						Surface	1.0	0.1	242	28.0	28.0	8.0	8.0	28.3	28.3	73.0	73.2	4.9	4.9	8.2	8.6	8	9	821439	814180		
											1.0	0.0	245	28.0		8.0		28.3		73.3		4.9		9.0							
					Middle	-	0.0	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	0.0	229	-		-		-		-		-		-												
					Bottom	4.6	0.0	222	28.0	28.0	8.0	8.0	28.3	28.3	73.0	73.6	4.9	5.0	8.1	5.0	8.1	9.1	9	9							
						4.6	0.0	216	28.0		8.0		28.3		74.1		5.0		9.1												
SR3	Cloudy	Moderate	08:52	8.8	Surface	1.0	0.5	1	28.8	28.8	8.1	8.1	29.6	29.6	80.9	80.9	5.3	5.4	5.1	8.6	12	13	822132	807571							
						1.0	0.5	2	28.8		8.1		29.7		80.9		5.3		5.3												
					Middle	4.4	0.5	337	28.7	28.7	8.2	8.2	30.0	30.1	82.6	82.8	5.4	5.6	7.1	5.6	7.0	13.9			13	14					
						4.4	0.5	329	28.7		8.2		30.1		82.9		5.4		13												
					Bottom	7.8	0.5	348	28.5	28.6	8.2	8.2	31.4	31.4	85.3	85.4	5.6	5.6	13.9	5.6	13.0	14									
						7.8	0.4	350	28.6		8.2		31.4		85.5		5.6		14												
					SR4A	Cloudy	Moderate	07:42	9.0	Surface	1.0	0.0	167	28.4	28.4	8.3	8.3	31.6	31.6	85.9	85.9	5.6			5.6	12.7	13.0	10	12	817182	807787
											1.0	0.0	173	28.4		8.3		31.6		85.9		5.6				12.7					
Middle	4.5	0.0	188	28.4						28.4	8.3	8.3	31.7	31.7	85.7	85.7	5.6	5.6	12.8	5.6	12.9	13									
	4.5	-	185	28.4							8.3		31.7		85.7		5.6		12.9												
Bottom	8.0	0.0	198	28.4						28.4	8.3	8.3	31.7	31.7	85.7	85.8	5.6	5.6	12.9	5.6	13.8	14									
	8.0	0.0	204	28.4							8.3		31.7		85.8		5.6		14												
SR8	Fine	Moderate	08:48	5.2	Surface	1.0	-	-	28.4	28.4	8.1	8.1	27.9	27.9	81.2	81.2	5.4	5.4	8.5	8.8	9	8	820390	811646							
						1.0	-	-	28.4		8.1		27.9		81.1		5.4		8.5												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-					
						-	-	-	-		-		-		-		-		-												
					Bottom	4.2	-	-	28.1	28.1	8.1	8.1	28.2	28.1	84.0	84.8	5.6	5.7	9.0	5.7	9.0	8									
						4.2	-	-	28.1		8.1		28.1		85.5		5.7		8												

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Rainy	Moderate	14:22	8.4	Surface	1.0	0.2	198	28.0	28.0	8.3	8.3	32.8	32.9	91.0	90.8	5.9	5.9	5.0	8.4	9	9	815642	804263		
						1.0	0.1	205	28.0		8.3		32.9		90.6		5.9		5.1		9					
					Middle	4.2	0.2	191	27.9	27.9	8.3	8.3	33.3	33.3	89.2	89.2	5.8	5.8	6.1	9	9					
						4.2	0.2	183	27.9		8.3		33.3		89.1		5.8		6.1		9					
					Bottom	7.4	0.2	226	27.9	27.9	8.2	8.2	33.7	33.7	89.5	89.6	5.8	5.8	14.1	5.8	10				9	14.2
						7.4	0.1	229	27.9		8.2		33.7		89.7		5.8		14.2		9					
C2	Rainy	Moderate	13:22	11.8	Surface	1.0	0.0	45	28.3	28.3	8.1	8.1	30.5	30.5	85.2	85.2	5.6	5.6	7.2	9.4	10	9	825673	806934		
						1.0	0.0	42	28.3		8.1		30.5		85.2		5.6		7.6		8					
					Middle	5.9	0.1	55	28.2	28.2	8.2	8.2	30.9	31.0	85.8	85.9	5.6	5.6	9.2	5.6	9				9	9.2
						5.9	0.0	53	28.2		8.2		31.1		86.0		5.6		9.2		10					
					Bottom	10.8	0.1	25	28.2	28.2	8.2	8.2	31.5	31.4	86.3	86.4	5.7	5.7	11.3	5.7	9				9	11.9
						10.8	0.0	19	28.2		8.2		31.3		86.5		5.7		11.9		9					
C3	Fine	Moderate	14:32	9.0	Surface	1.0	0.4	86	27.8	27.8	8.2	8.2	29.6	29.6	80.6	80.5	5.4	5.4	5.8	6.6	10	10	822106	817824		
						1.0	0.3	81	27.8		8.2		29.6		80.4		5.4		5.8		10					
					Middle	4.5	0.4	77	27.7	27.7	8.2	8.2	29.8	29.9	80.2	80.3	5.3	5.3	6.0	5.4	10				5.4	6.0
						4.5	0.3	73	27.7		8.2		29.9		80.3		5.4		6.0		10					
					Bottom	8.0	0.3	57	27.7	27.7	8.2	8.2	30.0	30.0	87.5	88.3	5.8	5.8	7.9	5.8	9				5.8	7.9
						8.0	0.3	64	27.7		8.2		30.0		89.1		5.9		7.9		10					
IM1	Rainy	Moderate	14:08	7.0	Surface	1.0	0.1	175	28.0	28.0	8.2	8.2	32.9	32.9	88.2	88.2	5.8	5.7	7.3	9.2	10	10	818345	806449		
						1.0	0.1	182	28.0		8.2		32.9		88.1		5.7		7.4		10					
					Middle	3.5	0.1	193	27.9	27.9	8.2	8.2	33.1	33.1	88.2	88.3	5.8	5.8	7.8	5.8	10				5.8	7.6
						3.5	0.1	186	27.9		8.2		33.1		88.3		5.8		7.6		10					
					Bottom	6.0	0.1	197	27.9	27.9	8.2	8.2	33.3	33.3	89.4	89.5	5.8	5.8	12.9	5.8	9				5.8	12.3
						6.0	0.1	193	27.9		8.2		33.3		89.6		5.8		12.3		9					
IM2	Rainy	Moderate	14:04	7.2	Surface	1.0	0.1	151	28.1	28.1	8.2	8.2	32.7	32.7	89.2	89.1	5.8	5.8	6.7	8.9	7	9	819161	806249		
						1.0	0.1	151	28.1		8.2		32.8		88.9		5.8		7.0		8					
					Middle	3.6	0.1	169	27.9	27.9	8.2	8.2	33.0	33.0	87.9	88.0	5.7	5.7	9.3	5.7	9				5.7	9.2
						3.6	0.1	172	27.9		8.2		33.0		88.1		5.7		9.2		9					
					Bottom	6.2	0.1	183	27.9	27.9	8.2	8.2	33.2	33.2	89.6	89.7	5.8	5.8	10.5	5.8	9				5.8	10.5
						6.2	0.1	186	27.9		8.2		33.2		89.7		5.8		10.9		9					
IM7	Rainy	Moderate	13:45	8.7	Surface	1.0	0.2	80	28.3	28.3	8.2	8.2	31.1	31.2	86.2	86.2	5.7	5.6	6.3	10.1	11	10	821336	806820		
						1.0	0.2	79	28.2		8.2		31.3		86.1		5.6		6.7		11					
					Middle	4.4	0.1	75	28.0	28.0	8.2	8.2	32.3	32.3	86.1	86.3	5.6	5.7	10.9	5.7	10				5.7	10.1
						4.4	0.2	69	28.0		8.2		32.3		86.4		5.7		10.1		10					
					Bottom	7.7	0.1	96	28.0	28.0	8.2	8.2	32.4	32.4	88.2	88.4	5.8	5.8	13.2	5.8	9				5.8	13.2
						7.7	0.1	92	28.0		8.2		32.5		88.5		5.8		13.7		9					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	13:26	8.8	Surface	1.0	0.2	82	<u>27.7</u>	8.2	8.2	<u>29.1</u>	29.1	<u>85.5</u>	85.6	5.7	5.8	7.6	8.2	15	15	822233	809831	
						1.0	0.2	88	27.7	8.2	8.2	29.2	29.1	85.7	5.7	7.5		14						
					Middle	4.4	0.2	68	<u>27.7</u>	8.2	8.2	29.4	29.4	86.6	86.7	5.8		8.1		14				
						4.4	0.2	62	27.7	8.2	8.2	29.4	29.4	86.8	86.7	5.8		8.1		15				
					Bottom	7.8	0.2	75	<u>27.7</u>	8.2	8.2	29.3	29.3	87.5	87.7	5.9		9.1		17				
						7.8	0.1	69	27.7	8.2	8.2	29.3	29.3	87.9	87.7	5.9		9.0		16				
IM11	Fine	Moderate	13:32	7.2	Surface	1.0	0.2	75	<u>27.8</u>	8.2	8.2	<u>28.8</u>	28.8	<u>86.9</u>	87.0	5.8	5.9	6.1	7.3	10	11	821496	810561	
						1.0	0.2	79	27.7	8.2	8.2	28.8	28.8	87.1	87.0	5.8		6.2		10				
					Middle	3.6	0.2	73	<u>27.7</u>	8.2	8.2	28.9	28.9	88.1	88.3	5.9		7.1		10				
						3.6	0.2	70	27.7	8.2	8.2	28.9	28.9	88.4	88.3	5.9		7.2		11				
					Bottom	6.2	0.2	79	<u>27.7</u>	8.2	8.2	28.9	28.9	89.6	89.9	6.0		8.7		12				
						6.2	0.2	81	27.7	8.2	8.2	28.9	28.9	90.2	89.9	6.0		8.7		13				
IM12	Fine	Moderate	13:37	7.8	Surface	1.0	0.2	85	<u>27.8</u>	8.2	8.2	<u>29.0</u>	29.0	<u>86.3</u>	86.4	5.8	5.9	6.1	7.2	9	10	821176	811541	
						1.0	0.2	87	27.8	8.2	8.2	29.0	29.0	86.5	86.4	5.8		6.2		9				
					Middle	3.9	0.3	113	<u>27.8</u>	8.2	8.2	29.0	29.0	88.2	88.2	5.9		7.3		10				
						3.9	0.3	112	27.8	8.2	8.2	29.0	29.0	88.2	88.2	5.9		7.3		10				
					Bottom	6.8	0.3	76	<u>27.8</u>	8.2	8.2	28.8	28.7	90.3	90.9	6.1		8.0		11				
						6.8	0.3	76	27.8	8.2	8.2	28.6	28.7	91.5	90.9	6.1		8.0		11				
SR1A	Fine	Moderate	14:03	5.8	Surface	1.0	0.0	27	<u>27.7</u>	8.2	8.2	<u>28.9</u>	28.9	<u>86.9</u>	87.1	5.8	5.8	7.4	7.8	21	20	819974	812663	
						1.0	0.0	24	27.7	8.2	8.2	28.9	28.9	87.2	87.1	5.8		7.7		20				
					Middle	2.9	0.0	45	-	-	-	-	-	-	-	-		-		-				-
						2.9	0.0	43	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.8	0.0	26	<u>27.7</u>	8.2	8.2	28.9	28.9	89.8	90.3	6.0		8.0		20				
						4.8	0.0	23	27.7	8.2	8.2	28.9	28.9	90.8	90.3	6.1		8.1		20				
SR2	Fine	Moderate	14:14	5.6	Surface	1.0	0.2	44	<u>27.7</u>	8.1	8.1	<u>28.9</u>	28.9	<u>88.9</u>	89.1	6.0	6.0	8.7	8.9	16	18	821484	814149	
						1.0	0.2	43	27.7	8.1	8.1	28.9	28.9	89.3	89.1	6.0		8.7		14				
					Middle	-	0.2	58	-	-	-	-	-	-	-	-		-		-				
						-	0.2	52	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.6	0.3	49	<u>27.7</u>	8.2	8.2	28.9	28.9	92.2	92.6	6.2		9.1		21				
						4.6	0.3	52	27.7	8.2	8.2	28.9	28.9	93.0	92.6	6.2		9.0		20				
SR3	Rainy	Moderate	13:38	9.2	Surface	1.0	0.2	120	<u>28.4</u>	8.1	8.1	<u>30.2</u>	30.2	<u>84.5</u>	84.6	5.6	5.6	4.7	9.0	18	18	822130	807556	
						1.0	0.2	124	28.4	8.1	8.1	30.2	30.2	84.6	84.6	5.6		4.5		18				
					Middle	4.6	0.1	122	<u>28.2</u>	8.2	8.2	31.2	31.2	85.0	85.1	5.6		9.0		18				
						4.6	0.2	115	28.2	8.2	8.2	31.2	31.2	85.1	85.1	5.6		9.0		19				
					Bottom	8.2	0.2	114	<u>28.1</u>	8.2	8.2	32.2	32.2	87.2	87.4	5.7		13.4		16				
						8.2	0.2	121	28.1	8.2	8.2	32.2	32.2	87.5	87.4	5.7		13.1		16				
SR4A	Rainy	Moderate	14:53	8.8	Surface	1.0	0.0	80	<u>28.0</u>	8.2	8.2	<u>32.8</u>	32.8	<u>89.7</u>	89.7	5.9	5.8	7.8	10.5	9	9	817171	807825	
						1.0	0.1	87	28.0	8.2	8.2	32.8	32.8	89.6	89.7	5.8		8.0		10				
					Middle	4.4	0.0	60	<u>27.9</u>	8.2	8.2	32.9	32.9	88.5	88.6	5.8		11.0		9				
						4.4	0.1	59	27.9	8.2	8.2	32.9	32.9	88.7	88.6	5.8		11.2		9				
					Bottom	7.8	0.0	72	<u>27.9</u>	8.2	8.2	32.9	32.9	90.8	91.1	5.9		12.5		8				
						7.8	0.0	68	27.9	8.2	8.2	32.9	32.9	91.3	91.1	6.0		12.6		8				
SR8	Fine	Moderate	13:42	5.4	Surface	1.0	-	-	<u>27.9</u>	8.2	8.2	<u>28.7</u>	28.7	<u>88.3</u>	88.4	5.9	5.9	7.1	7.8	8	10	820402	811624	
						1.0	-	-	27.9	8.2	8.2	28.8	28.7	88.4	88.4	5.9		7.2		9				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-				
						-	-	-	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.4	-	-	<u>27.7</u>	8.2	8.2	29.0	28.9	91.5	91.6	6.1		8.4		12				
						4.4	-	-	27.8	8.2	8.2	28.9	28.9	91.7	91.6	6.1		8.5		12				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	09:33	8.8	Surface	1.0	0.5	41	27.9	27.9	8.2	8.2	33.6	33.6	88.5	88.5	5.8	5.8	5.8	12.7	14.0	9	11	815618	804249
						1.0	0.5	34	27.9		8.2		33.6		88.5		5.8					8			
					Middle	4.4	0.5	20	27.9	27.9	8.2	8.2	33.6	33.6	88.5	88.6	5.8	5.8	5.8	13.2	14.0	9			
						4.4	0.5	14	27.9		8.2		33.6		88.6		5.8					10			
					Bottom	7.8	0.4	44	27.8	27.8	8.2	8.2	33.7	33.7	90.1	90.3	5.9	5.9	5.9	16.0	14.0	13			
						7.8	0.5	49	27.8		8.2		33.7		90.5		5.9					14			
C2	Cloudy	Moderate	10:40	10.6	Surface	1.0	0.5	5	28.4	28.4	8.1	8.1	29.8	29.8	82.4	82.5	5.4	5.4	5.4	9.2	10.5	12	13	825687	806934
						1.0	0.5	3	28.4		8.1		29.8		82.6		5.4					11			
					Middle	5.3	0.4	8	28.1	28.1	8.1	8.1	31.3	31.4	86.8	87.0	5.7	5.7	5.7	8.8	10.5	14			
						5.3	0.5	9	28.1		8.1		31.5		87.1		5.7					14			
					Bottom	9.6	0.5	9	28.0	28.0	8.2	8.2	32.5	32.5	88.0	88.1	5.8	5.8	5.8	13.2	10.5	15			
						9.6	0.5	11	28.0		8.2		32.5		88.2		5.8					14			
C3	Misty	Moderate	08:57	9.8	Surface	1.0	0.5	252	27.7	27.7	8.0	8.0	28.7	28.7	81.7	81.7	5.5	5.5	5.5	7.1	8.3	17	19	822103	817809
						1.0	0.4	250	27.7		8.0		28.7		81.7		5.5					18			
					Middle	4.9	0.5	278	27.7	27.7	8.0	8.0	28.7	28.7	81.8	81.9	5.5	5.5	5.5	8.4	8.3	19			
						4.9	0.5	281	27.7		8.0		28.7		81.9		5.5					19			
					Bottom	8.8	0.6	272	27.7	27.7	8.0	8.0	28.7	28.7	82.0	82.0	5.5	5.5	5.5	9.4	8.3	19			
						8.8	0.5	267	27.7		8.0		28.7		82.0		5.5					19			
IM1	Cloudy	Moderate	09:48	7.2	Surface	1.0	0.3	21	28.0	28.0	8.2	8.2	32.4	32.4	89.0	89.0	5.8	5.8	5.8	8.9	10.0	8	8	818359	806457
						1.0	0.3	21	28.0		8.2		32.4		88.9		5.8					8			
					Middle	3.6	0.3	29	28.0	28.0	8.2	8.2	32.7	32.8	87.6	87.7	5.7	5.7	5.7	10.9	10.0	8			
						3.6	0.3	32	28.0		8.2		32.8		87.7		5.7					8			
					Bottom	6.2	0.3	21	27.9	27.9	8.2	8.2	33.1	33.1	88.8	89.0	5.8	5.8	5.8	10.2	10.0	9			
						6.2	0.3	21	27.9		8.2		33.1		89.1		5.8					8			
IM2	Cloudy	Moderate	09:53	7.2	Surface	1.0	0.4	13	28.0	28.0	8.2	8.2	32.4	32.4	88.2	88.1	5.8	5.8	5.8	9.4	11.4	10	9	819191	806240
						1.0	0.5	7	28.0		8.2		32.4		88.0		5.8					9			
					Middle	3.6	0.4	3	28.0	28.0	8.2	8.2	32.8	32.8	88.1	88.2	5.8	5.8	5.8	12.0	11.4	9			
						3.6	0.4	357	28.0		8.2		32.8		88.2		5.8					8			
					Bottom	6.2	0.4	29	27.9	27.9	8.2	8.2	32.9	32.9	88.5	88.6	5.8	5.8	5.8	12.6	11.4	7			
						6.2	0.4	25	27.9		8.2		32.9		88.7		5.8					8			
IM7	Cloudy	Moderate	10:15	8.5	Surface	1.0	0.3	0	28.3	28.3	8.1	8.1	30.3	30.4	85.5	85.6	5.6	5.6	5.6	7.7	12.8	10	10	821344	806813
						1.0	0.3	4	28.3		8.1		30.5		85.7		5.6					11			
					Middle	4.3	0.3	21	28.0	28.0	8.2	8.2	31.9	31.9	86.5	86.5	5.7	5.7	5.7	16.5	12.8	10			
						4.3	0.3	14	28.0		8.2		31.9		86.5		5.7					10			
					Bottom	7.5	0.3	355	28.0	28.0	8.2	8.2	32.1	32.1	87.3	87.5	5.7	5.7	5.7	14.6	12.8	10			
						7.5	0.3	359	28.0		8.2		32.1		87.6		5.7					9			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

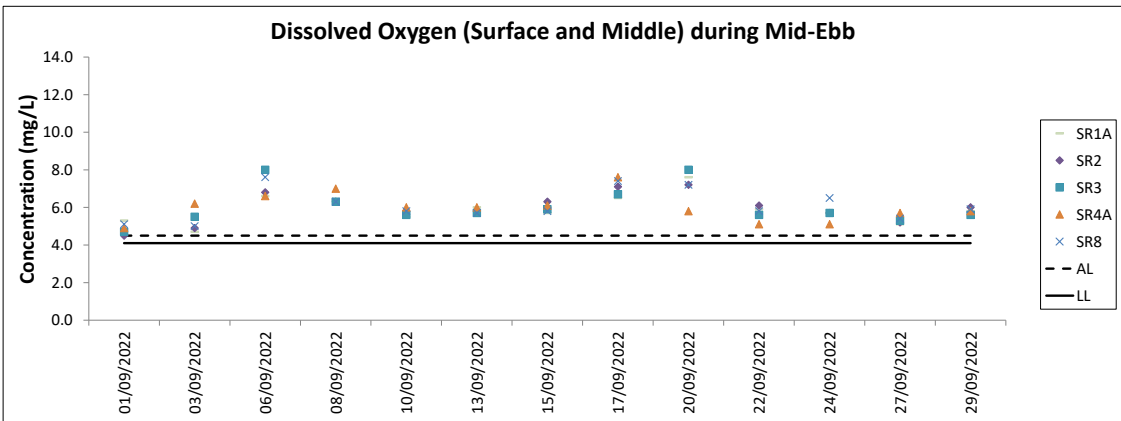
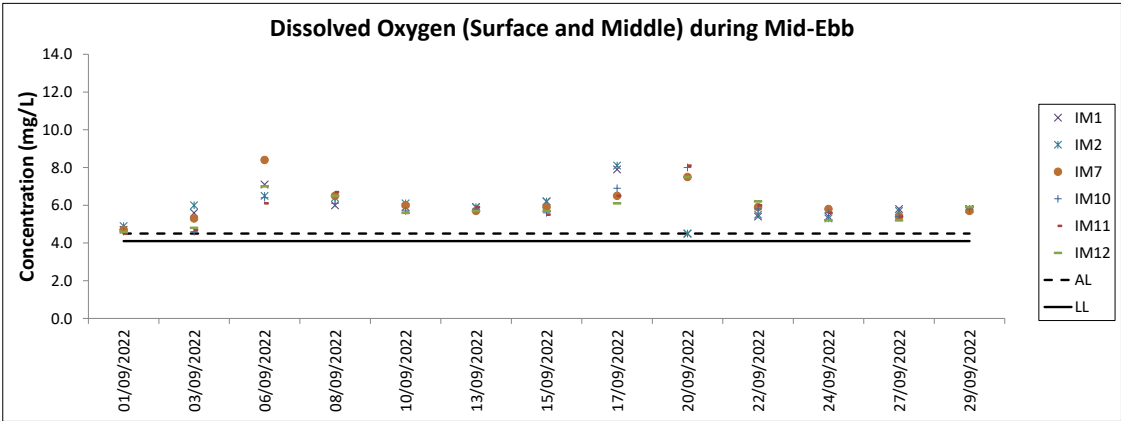
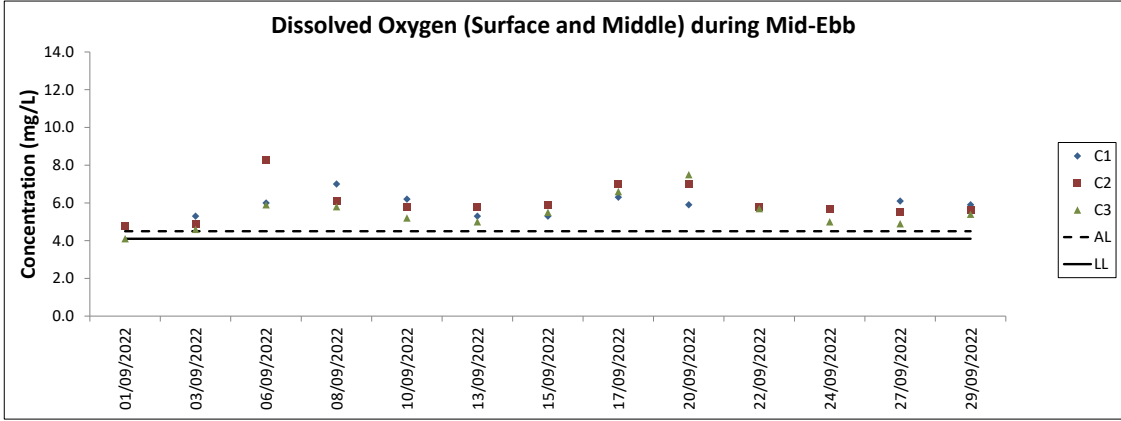
Water Quality Monitoring Results on 29 September 22 during Mid-Flood Tide

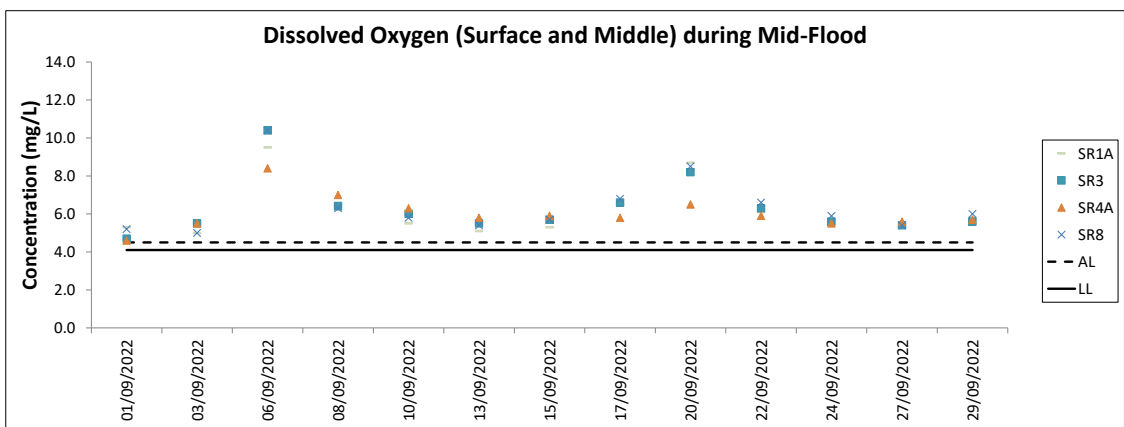
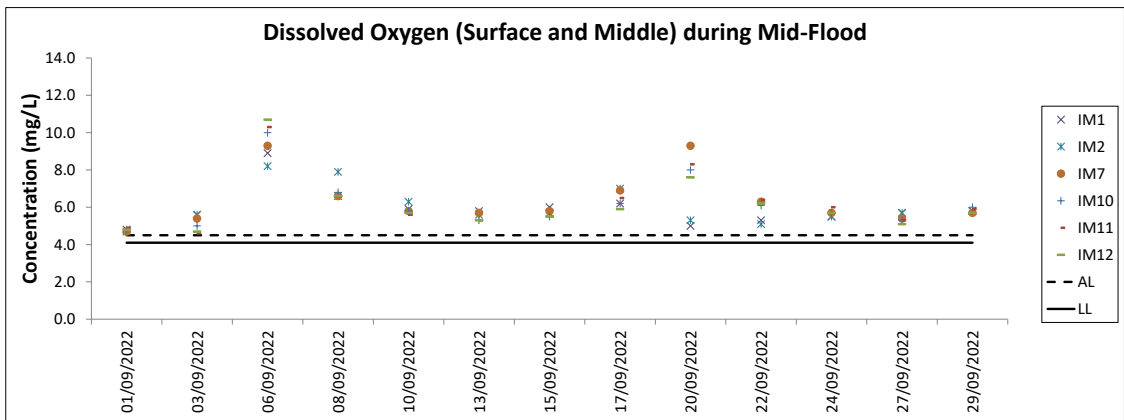
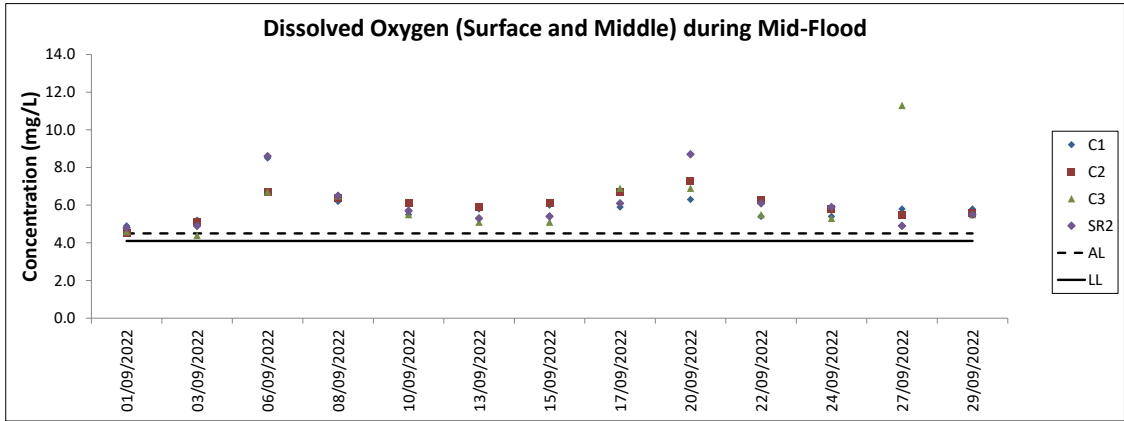
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	10:01	8.0	Surface	1.0	0.4	306	27.7	27.7	8.1	8.1	28.9	28.9	87.5	87.6	5.9	6.0	6.3	7.6	19	13	822232	809848		
						1.0	0.4	310	27.7		8.1		28.9		87.7		5.9		6.4		18					
					Middle	4.0	0.5	278	27.7	27.7	8.1	8.1	28.9	28.9	88.9	89.1	6.0	6.2	7.9	6.2	10				6.2	13
						4.0	0.5	273	27.7		8.1		28.9		89.2		6.0		7.9		12					
					Bottom	7.0	0.5	278	27.7	27.7	8.1	8.1	28.9	28.9	91.1	91.7	6.1	6.2	8.5	6.2	10				6.2	10
						7.0	0.5	282	27.7		8.1		28.9		92.3		6.2		8.5		10					
IM11	Misty	Moderate	09:56	8.4	Surface	1.0	0.5	288	27.7	27.7	8.1	8.1	28.9	28.9	86.4	86.7	5.8	5.9	6.1	7.2	10	11	821494	810555		
						1.0	0.5	287	27.7		8.1		28.9		86.9		5.8		6.2		10					
					Middle	4.2	0.5	302	27.7	27.7	8.1	8.1	28.9	28.9	87.7	87.9	5.9	6.0	7.6	6.0	10				6.0	10
						4.2	0.5	301	27.7		8.1		28.9		88.0		5.9		7.5		10					
					Bottom	7.4	0.5	270	27.7	27.7	8.1	8.1	28.9	28.9	89.1	89.3	6.0	6.0	8.0	6.0	12				6.0	12
						7.4	0.5	273	27.7		8.1		28.9		89.5		6.0		8.1		11					
IM12	Misty	Moderate	09:50	9.0	Surface	1.0	0.5	293	27.7	27.7	8.1	8.1	29.0	29.0	84.5	84.5	5.7	5.7	7.9	8.6	8	10	821176	811516		
						1.0	0.6	299	27.7		8.1		29.0		84.5		5.7		7.9		9					
					Middle	4.5	0.5	290	27.7	27.7	8.1	8.1	29.0	29.0	85.0	85.1	5.7	5.8	8.7	5.8	10				5.8	10
						4.5	0.6	286	27.7		8.1		29.0		85.1		5.7		8.8		10					
					Bottom	8.0	0.5	272	27.7	27.7	8.1	8.1	29.0	29.0	85.8	86.2	5.8	5.8	9.0	5.8	12				5.8	12
						8.0	0.6	272	27.7		8.1		29.0		86.5		5.8		9.1		11					
SR1A	Misty	Moderate	09:28	5.6	Surface	1.0	0.0	194	27.6	27.6	8.1	8.1	28.6	28.6	86.3	86.6	5.8	5.8	7.4	7.8	11	10	819979	812656		
						1.0	0.0	196	27.6		8.1		28.6		86.9		5.8		7.4		10					
					Middle	2.8	-	221	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.8	-	216	-		-		-		-		-		-		-					
					Bottom	4.6	-	217	27.6	27.6	8.1	8.1	28.7	28.7	91.2	91.9	6.1	6.2	8.2	6.2	9				6.2	9
						4.6	0.0	221	27.6		8.1		28.7		92.6		6.2		8.3		10					
SR2	Misty	Moderate	09:17	5.8	Surface	1.0	0.1	236	27.7	27.7	8.0	8.0	28.7	28.7	82.4	82.4	5.5	5.5	7.0	7.6	9	8	821465	814185		
						1.0	0.1	229	27.7		8.0		28.7		82.4		5.5		7.1		8					
					Middle	-	0.1	239	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.1	236	-		-		-		-		-		-							
					Bottom	4.8	0.2	230	27.7	27.7	8.0	8.0	28.7	28.7	83.3	83.5	5.6	5.6	8.1	5.6	7				5.6	7
						4.8	0.2	224	27.7		8.0		28.7		83.7		5.6		8.2		8					
SR3	Cloudy	Moderate	10:23	8.8	Surface	1.0	0.5	347	28.4	28.4	8.1	8.1	29.7	29.7	82.2	82.3	5.4	5.4	5.7	9.6	19	18	822153	807574		
						1.0	0.5	349	28.4		8.1		29.7		82.3		5.4		5.8		18					
					Middle	4.4	0.5	355	28.1	28.1	8.1	8.1	31.5	31.5	86.6	86.7	5.7	5.7	11.3	5.7	18					
						4.4	0.5	351	28.1		8.1		31.6		86.7		5.7		11.5		17					
					Bottom	7.8	0.5	325	28.0	28.0	8.1	8.1	32.1	32.1	87.4	87.6	5.7	5.8	11.9	5.8	16					
						7.8	0.5	328	28.0		8.1		32.1		87.8		5.8		11.5		17					
SR4A	Cloudy	Moderate	09:14	8.2	Surface	1.0	0.0	162	27.9	27.9	8.0	8.0	32.4	32.4	86.5	86.5	5.7	5.7	8.2	11.1	10	12	817174	807790		
						1.0	0.0	163	27.9		8.0		32.4		86.5		5.7		8.4		10					
					Middle	4.1	-	181	27.8	27.8	8.0	8.0	32.8	32.8	86.8	86.8	5.7	5.7	11.9	5.7	12					
						4.1	0.0	186	27.8		8.0		32.8		86.8		5.7		11.4		12					
					Bottom	7.2	0.0	184	27.8	27.8	8.0	8.0	33.2	33.2	87.6	87.8	5.7	5.8	13.7	5.8	13					
						7.2	0.0	180	27.8		8.0		33.2		88.0		5.8		13.1		12					
SR8	Misty	Moderate	09:46	5.6	Surface	1.0	-	-	27.8	27.8	8.1	8.1	28.6	28.7	89.6	89.8	6.0	6.0	7.5	7.8	9	10	820391	811604		
						1.0	-	-	27.8		8.1		28.7		89.9		6.0		7.5		9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-		-		-		-		-		-							
					Bottom	4.6	-	-	27.7	27.7	8.1	8.1	28.9	28.9	93.8	93.8	6.3	6.3	8.1	6.3	10					
						4.6	-	-	27.7		8.1		28.9		93.8		6.3		8.2		10					

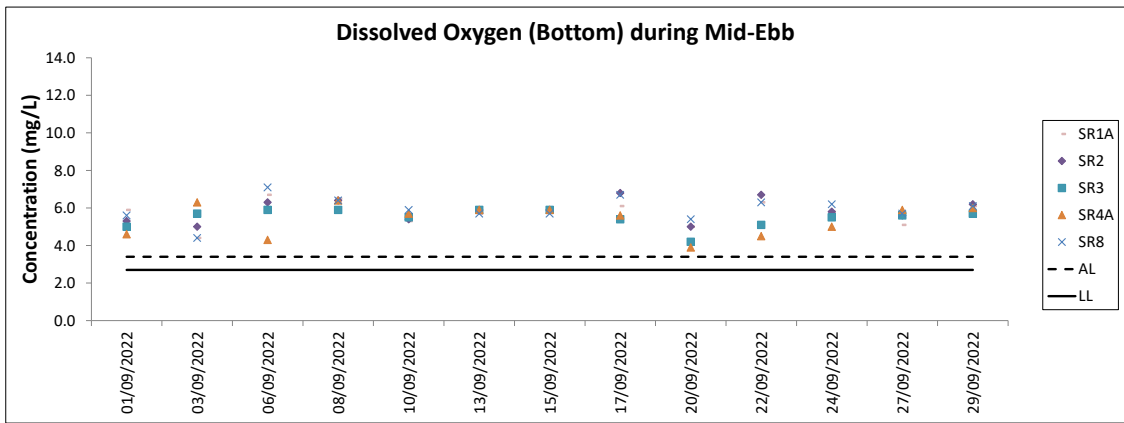
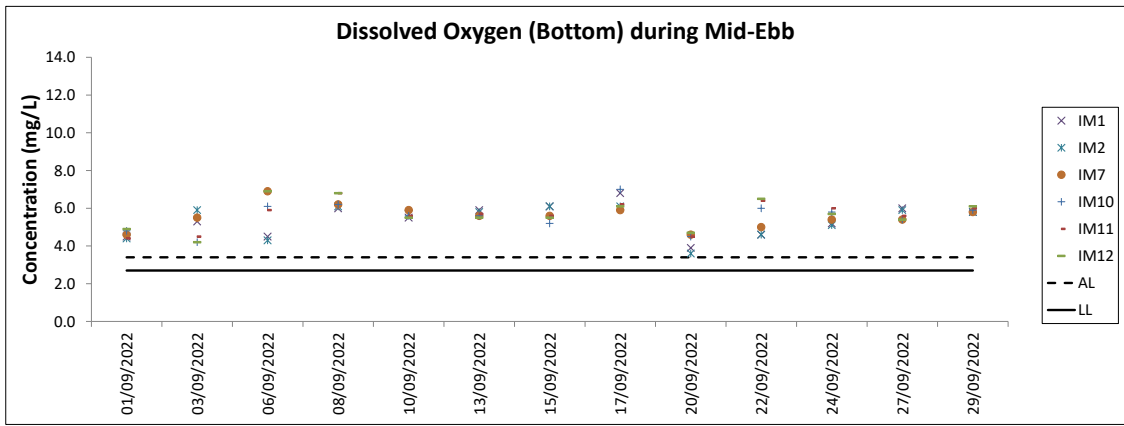
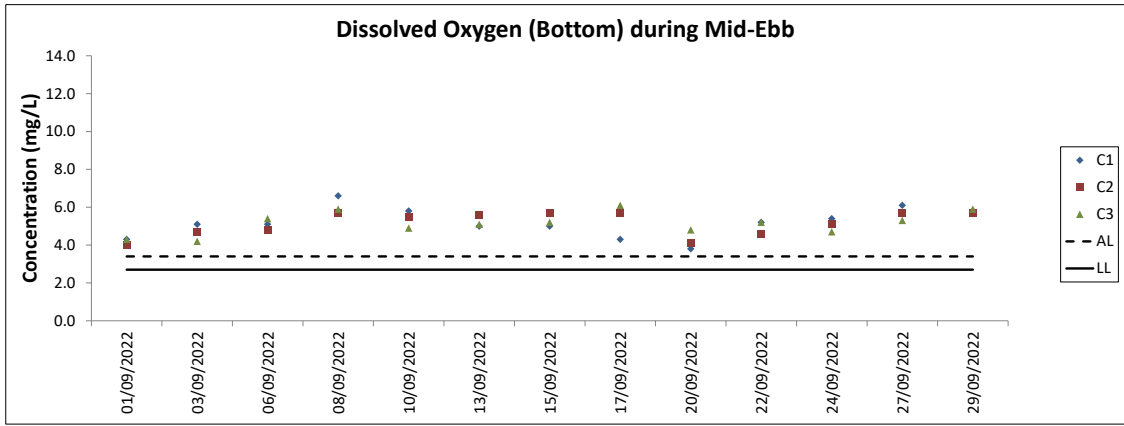
DA: Depth-Averaged

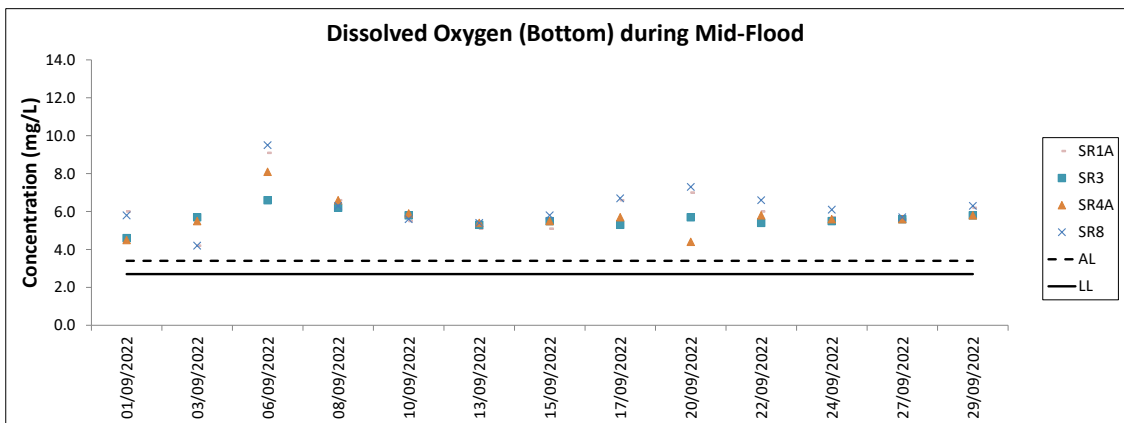
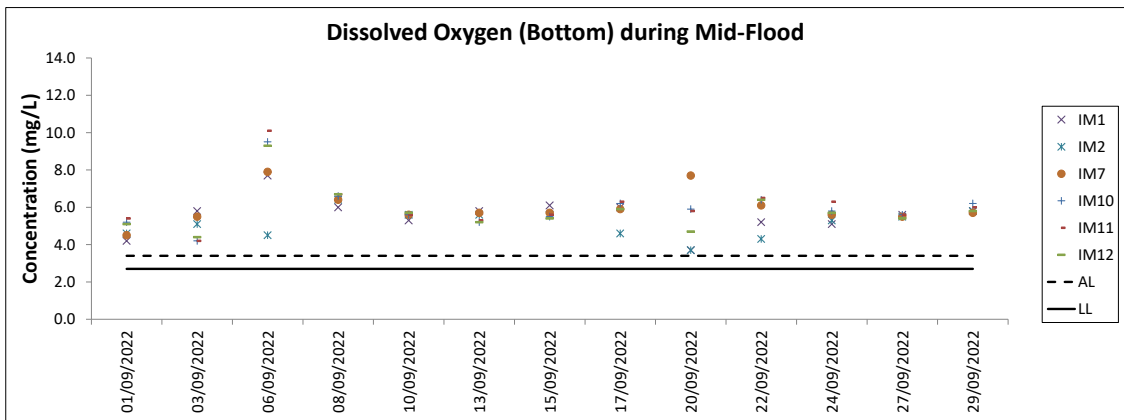
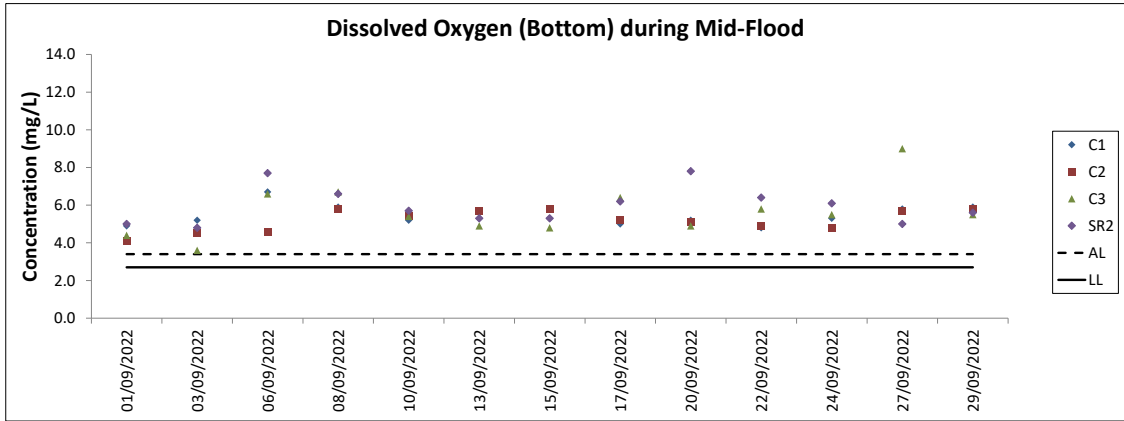
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

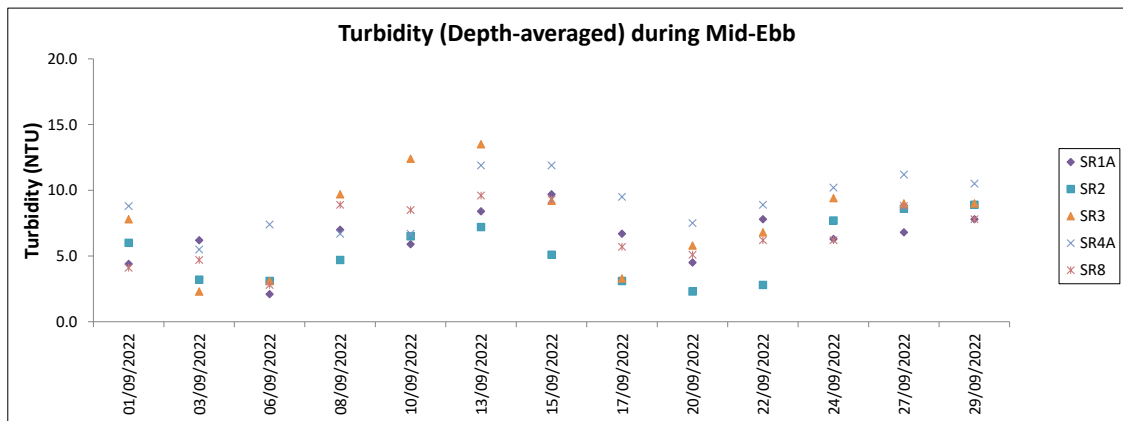
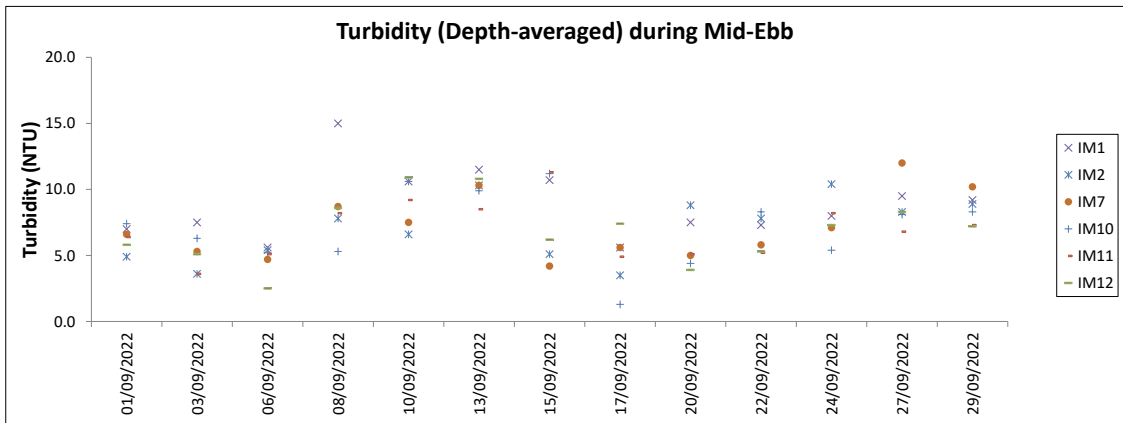
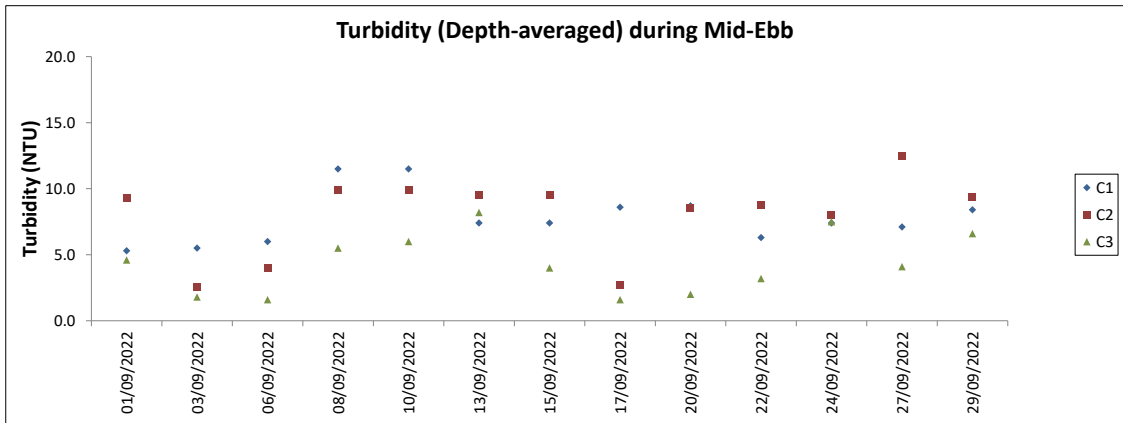
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined



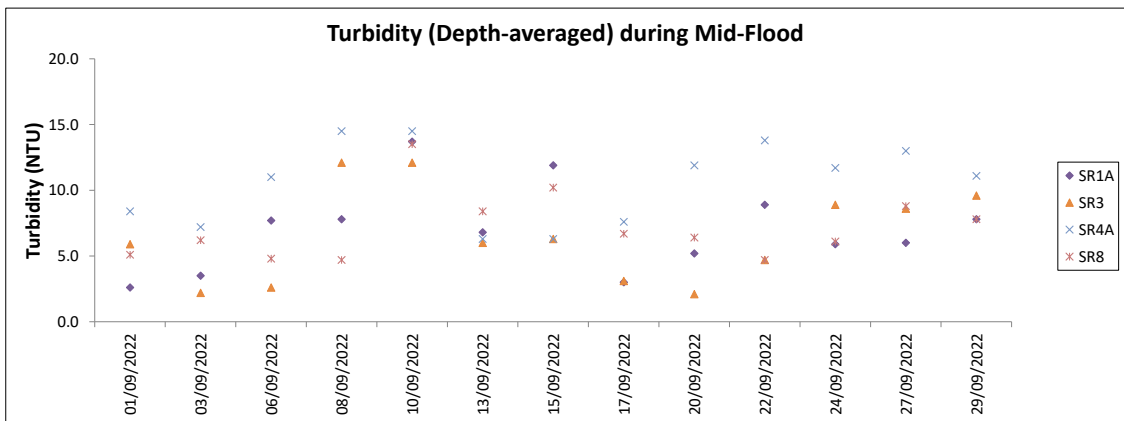
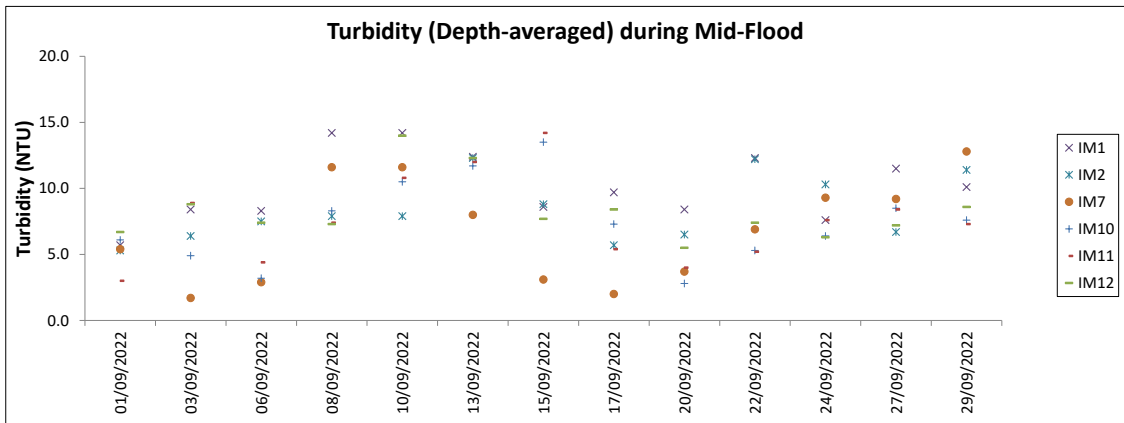
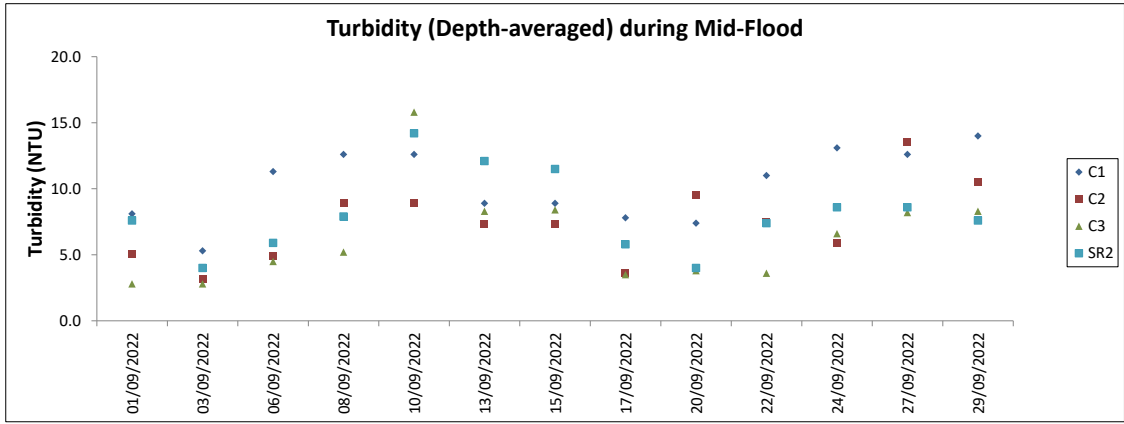




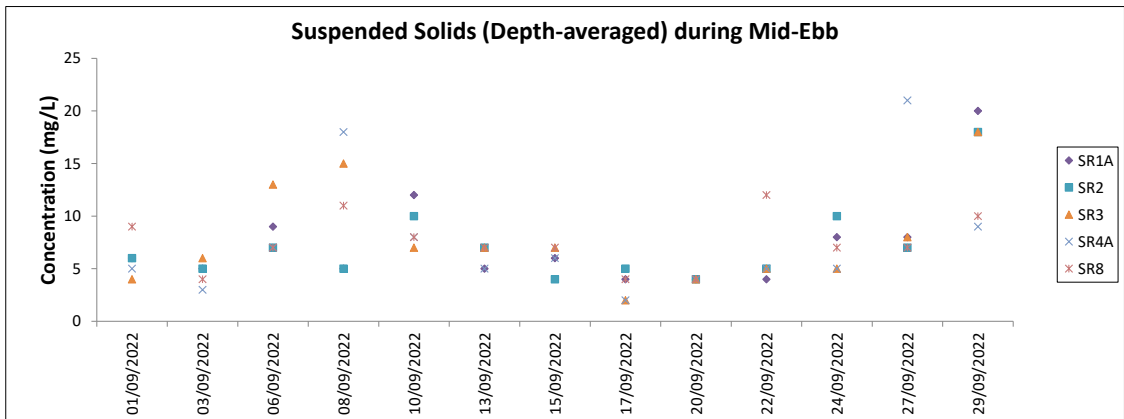
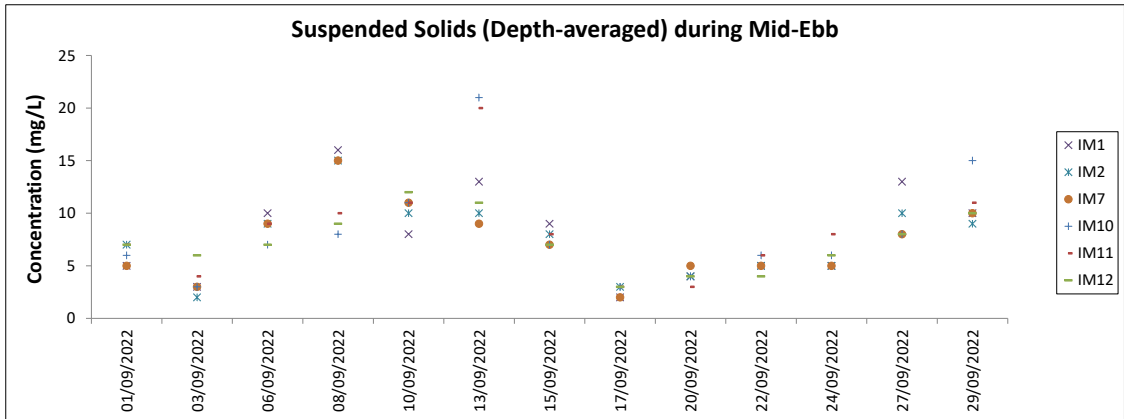
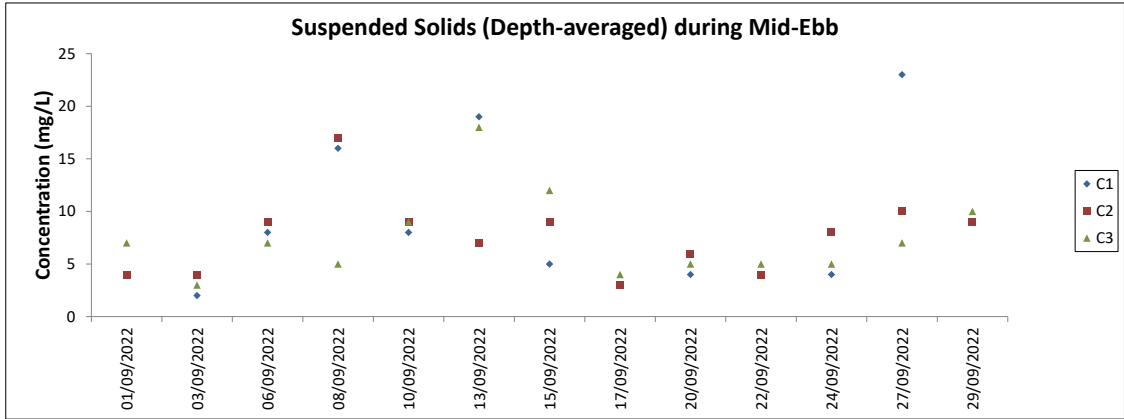




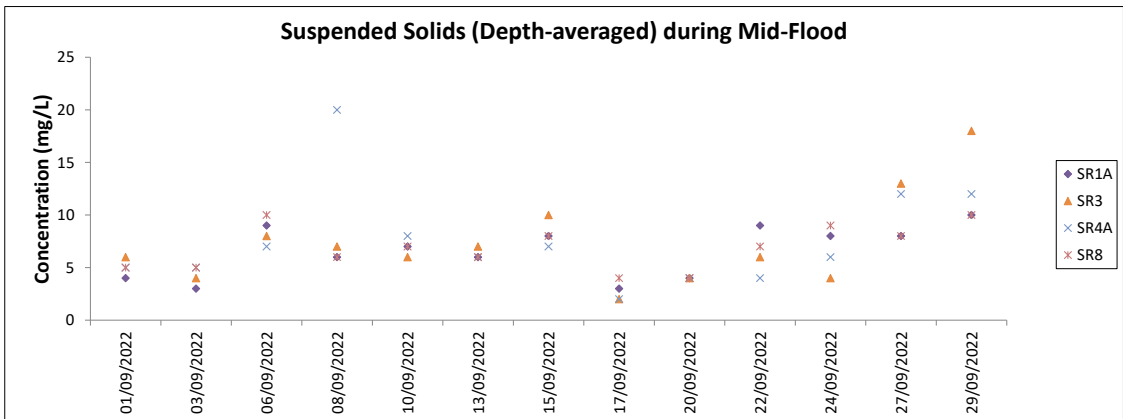
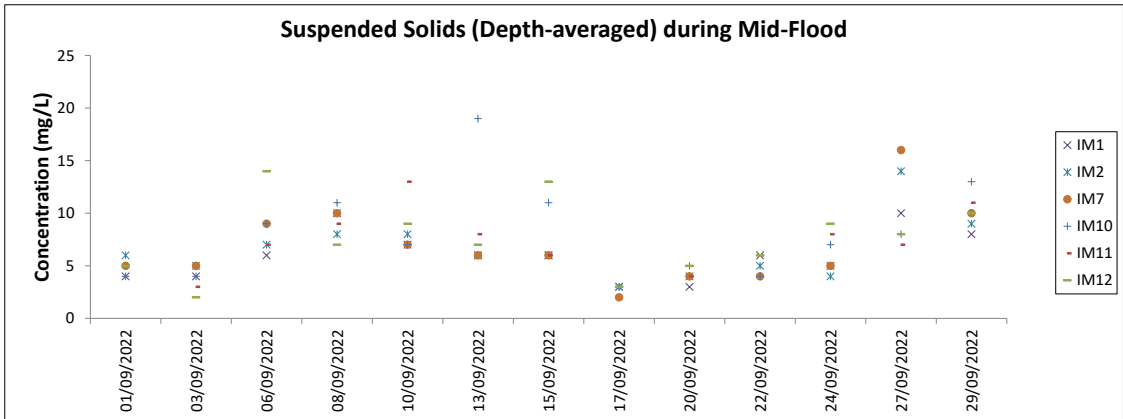
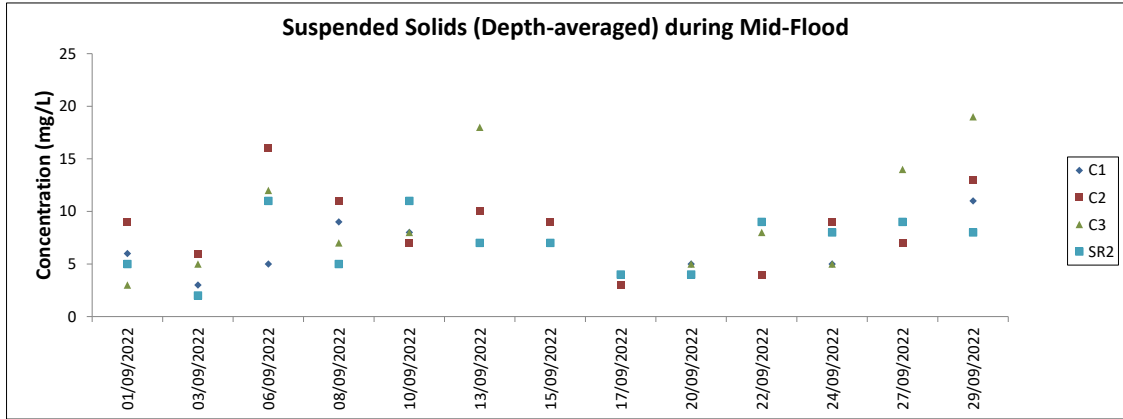
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
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
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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
05-Aug-22	NEL	2	32.840	SUMMER	32166	3RS ET	P
05-Aug-22	NEL	3	4.400	SUMMER	32166	3RS ET	P
05-Aug-22	NEL	2	9.760	SUMMER	32166	3RS ET	S
11-Aug-22	NEL	2	25.380	SUMMER	32166	3RS ET	P
11-Aug-22	NEL	3	11.030	SUMMER	32166	3RS ET	P
11-Aug-22	NEL	2	5.090	SUMMER	32166	3RS ET	S
11-Aug-22	NEL	3	5.300	SUMMER	32166	3RS ET	S
12-Aug-22	NWL	2	59.600	SUMMER	32166	3RS ET	P
12-Aug-22	NWL	3	4.100	SUMMER	32166	3RS ET	P
12-Aug-22	NWL	2	12.200	SUMMER	32166	3RS ET	S
16-Aug-22	NWL	1	2.500	SUMMER	32166	3RS ET	P
16-Aug-22	NWL	2	61.700	SUMMER	32166	3RS ET	P
16-Aug-22	NWL	1	1.000	SUMMER	32166	3RS ET	S
16-Aug-22	NWL	2	10.600	SUMMER	32166	3RS ET	S
22-Aug-22	AW	2	4.640	SUMMER	32166	3RS ET	P
22-Aug-22	WL	2	14.811	SUMMER	32166	3RS ET	P
22-Aug-22	WL	3	3.683	SUMMER	32166	3RS ET	P
22-Aug-22	WL	2	9.049	SUMMER	32166	3RS ET	S
22-Aug-22	WL	3	0.380	SUMMER	32166	3RS ET	S
23-Aug-22	WL	2	15.132	SUMMER	32166	3RS ET	P
23-Aug-22	WL	3	2.753	SUMMER	32166	3RS ET	P
23-Aug-22	WL	2	8.498	SUMMER	32166	3RS ET	S
23-Aug-22	WL	3	1.397	SUMMER	32166	3RS ET	S
23-Aug-22	AW	2	4.810	SUMMER	32166	3RS ET	P
05-Sep-22	NWL	2	4.260	AUTUMN	32166	3RS ET	P
05-Sep-22	NWL	3	59.410	AUTUMN	32166	3RS ET	P
05-Sep-22	NWL	3	11.830	AUTUMN	32166	3RS ET	S
06-Sep-22	SWL	2	32.266	AUTUMN	32166	3RS ET	P
06-Sep-22	SWL	3	14.290	AUTUMN	32166	3RS ET	P
06-Sep-22	SWL	4	4.930	AUTUMN	32166	3RS ET	P
06-Sep-22	SWL	2	9.989	AUTUMN	32166	3RS ET	S
06-Sep-22	SWL	3	3.100	AUTUMN	32166	3RS ET	S
06-Sep-22	SWL	4	1.060	AUTUMN	32166	3RS ET	S
08-Sep-22	NEL	2	37.420	AUTUMN	32166	3RS ET	P
08-Sep-22	NEL	2	9.580	AUTUMN	32166	3RS ET	S
09-Sep-22	NWL	2	60.720	AUTUMN	32166	3RS ET	P
09-Sep-22	NWL	2	12.700	AUTUMN	32166	3RS ET	S
14-Sep-22	SWL	2	39.365	AUTUMN	32166	3RS ET	P
14-Sep-22	SWL	3	14.270	AUTUMN	32166	3RS ET	P
14-Sep-22	SWL	2	8.365	AUTUMN	32166	3RS ET	S
14-Sep-22	SWL	3	7.270	AUTUMN	32166	3RS ET	S
19-Sep-22	AW	2	4.810	AUTUMN	32166	3RS ET	P
19-Sep-22	WL	2	15.142	AUTUMN	32166	3RS ET	P
19-Sep-22	WL	3	4.527	AUTUMN	32166	3RS ET	P
19-Sep-22	WL	2	7.648	AUTUMN	32166	3RS ET	S
19-Sep-22	WL	3	1.973	AUTUMN	32166	3RS ET	S
20-Sep-22	AW	3	4.890	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	2	9.992	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	3	7.720	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
20-Sep-22	WL	4	2.060	AUTUMN	32166	3RS ET	P
20-Sep-22	WL	2	7.128	AUTUMN	32166	3RS ET	S
20-Sep-22	WL	3	3.000	AUTUMN	32166	3RS ET	S
20-Sep-22	WL	4	1.100	AUTUMN	32166	3RS ET	S
21-Sep-22	NEL	2	1.300	AUTUMN	32166	3RS ET	P
21-Sep-22	NEL	3	29.290	AUTUMN	32166	3RS ET	P
21-Sep-22	NEL	4	7.080	AUTUMN	32166	3RS ET	P
21-Sep-22	NEL	3	8.100	AUTUMN	32166	3RS ET	S
21-Sep-22	NEL	4	0.930	AUTUMN	32166	3RS ET	S

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
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
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

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/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
22-Aug-22	5	1246	CWD	3	WL	2	313	ON	3RS ET	22.2007	113.8245	SUMMER	NONE	S
22-Aug-22	6	1312	CWD	1	WL	3	11	ON	3RS ET	22.1869	113.8327	SUMMER	NONE	P
23-Aug-22	1	1118	CWD	3	WL	2	98	ON	3RS ET	22.2326	113.8360	SUMMER	NONE	P
23-Aug-22	2	1141	CWD	8	WL	2	416	ON	3RS ET	22.2226	113.8353	SUMMER	NONE	P
23-Aug-22	3	1206	CWD	1	WL	2	40	ON	3RS ET	22.2141	113.8262	SUMMER	NONE	P
23-Aug-22	4	1226	CWD	1	WL	2	1368	ON	3RS ET	22.2059	113.8236	SUMMER	NONE	P
23-Aug-22	5	1242	CWD	9	WL	2	363	ON	3RS ET	22.1956	113.8350	SUMMER	NONE	P
23-Aug-22	6	1317	CWD	9	WL	3	251	ON	3RS ET	22.1873	113.8356	SUMMER	NONE	P
06-Sep-22	1	1028	FP	3	SWL	2	143	ON	3RS ET	22.2171	113.9358	AUTUMN	NONE	P
06-Sep-22	2	1036	FP	2	SWL	2	275	ON	3RS ET	22.2029	113.9361	AUTUMN	NONE	P
06-Sep-22	3	1039	FP	5	SWL	2	370	ON	3RS ET	22.1981	113.9363	AUTUMN	NONE	P
06-Sep-22	4	1046	FP	14	SWL	2	235	ON	3RS ET	22.1842	113.9364	AUTUMN	NONE	P
06-Sep-22	5	1048	FP	5	SWL	2	157	ON	3RS ET	22.1828	113.9364	AUTUMN	NONE	P
06-Sep-22	6	1056	FP	1	SWL	2	147	ON	3RS ET	22.1686	113.9358	AUTUMN	NONE	P
06-Sep-22	7	1100	FP	2	SWL	2	137	ON	3RS ET	22.1624	113.9360	AUTUMN	NONE	P
06-Sep-22	8	1103	FP	3	SWL	2	22	ON	3RS ET	22.1594	113.9357	AUTUMN	NONE	P
06-Sep-22	9	1120	CWD	2	SWL	2	113	ON	3RS ET	22.1563	113.9275	AUTUMN	NONE	P
06-Sep-22	10	1135	FP	9	SWL	2	32	ON	3RS ET	22.1707	113.9277	AUTUMN	NONE	P
06-Sep-22	11	1137	FP	12	SWL	2	551	ON	3RS ET	22.1725	113.9287	AUTUMN	NONE	P
06-Sep-22	12	1158	CWD	4	SWL	2	1022	ON	3RS ET	22.2000	113.9173	AUTUMN	NONE	P
06-Sep-22	13	1225	FP	1	SWL	2	72	ON	3RS ET	22.1715	113.9190	AUTUMN	NONE	P
06-Sep-22	14	1248	FP	3	SWL	2	127	ON	3RS ET	22.1508	113.9081	AUTUMN	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
06-Sep-22	15	1309	CWD	6	SWL	2	741	ON	3RS ET	22.1637	113.9039	AUTUMN	NONE	S
06-Sep-22	16	1431	CWD	1	SWL	2	114	ON	3RS ET	22.1980	113.8879	AUTUMN	NONE	P
09-Sep-22	1	0952	CWD	1	NWL	2	569	ON	3RS ET	22.3771	113.8701	AUTUMN	NONE	P
09-Sep-22	2	1205	CWD	2	NWL	2	1048	ON	3RS ET	22.3862	113.8881	AUTUMN	NONE	P
14-Sep-22	1	1056	FP	5	SWL	2	270	ON	3RS ET	22.1846	113.9354	AUTUMN	NONE	P
14-Sep-22	2	1110	FP	2	SWL	2	179	ON	3RS ET	22.1548	113.9356	AUTUMN	NONE	P
14-Sep-22	3	1126	FP	1	SWL	2	125	ON	3RS ET	22.1641	113.9281	AUTUMN	NONE	P
14-Sep-22	4	1152	FP	2	SWL	2	111	ON	3RS ET	22.1946	113.9177	AUTUMN	NONE	P
14-Sep-22	5	1227	FP	3	SWL	3	5	ON	3RS ET	22.1541	113.9063	AUTUMN	NONE	P
19-Sep-22	1	1043	CWD	4	WL	2	233	ON	3RS ET	22.2606	113.8419	AUTUMN	NONE	P
19-Sep-22	2	1157	CWD	5	WL	3	386	ON	3RS ET	22.2045	113.8357	AUTUMN	NONE	P
19-Sep-22	3	1230	CWD	5	WL	3	308	ON	3RS ET	22.1957	113.8343	AUTUMN	NONE	P
20-Sep-22	1	1054	CWD	2	WL	2	505	ON	3RS ET	22.2502	113.8471	AUTUMN	NONE	P

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 431.255 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 10 on-effort sightings and total number of 32 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in September 2022 are shown as below:

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

$$STG = \frac{10}{431.255} \times 100 = 2.32$$

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

$$ANI = \frac{32}{431.255} \times 100 = 7.42$$

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

A total of 1304.917 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 57 on-effort sightings and total number of 185 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)









$$STG = \frac{57}{1304.917} \times 100 = 4.37$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)




$$ANI = \frac{185}{1304.917} \times 100 = 14.18$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM035_20220906_12_14	SLMM037_20220906_12_3
	
WLMM056_20220906_12_9	WLMM131_20220906_12_7
	
WLMM131_20220906_16_2	NLMM013_20220909_2_1
	
NLMM028_20220909_2_5	NLMM015_20220919_1_2

	
WLMM164_20220919_1_1	SLMM023_20220919_2_5
	
SLMM044_20220919_2_8	SLMM049_20220919_2_18
	
WLMM018_20220919_2_2	SLMM002_20220919_3_1
	
SLMM029_20220919_3_1	SLMM044_20220919_3_4

	
<p>WLMM007_20220919_3_2</p>	<p>WLMM114_20220919_3_2</p>
	
<p>WLMM043_20220920_1_1</p>	

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
16/Sep/22	Lung Kwu Chau	9:00	14:00	6:00	2	4	0	NA
21/Sep/22	Sha Chau	10:35	16:35	6:00	2-3	2-3	0	NA

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