

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

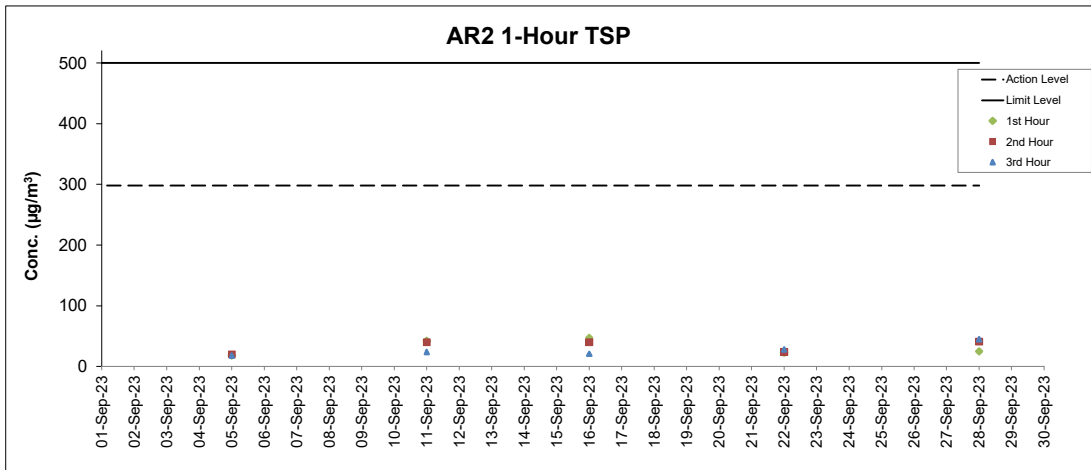
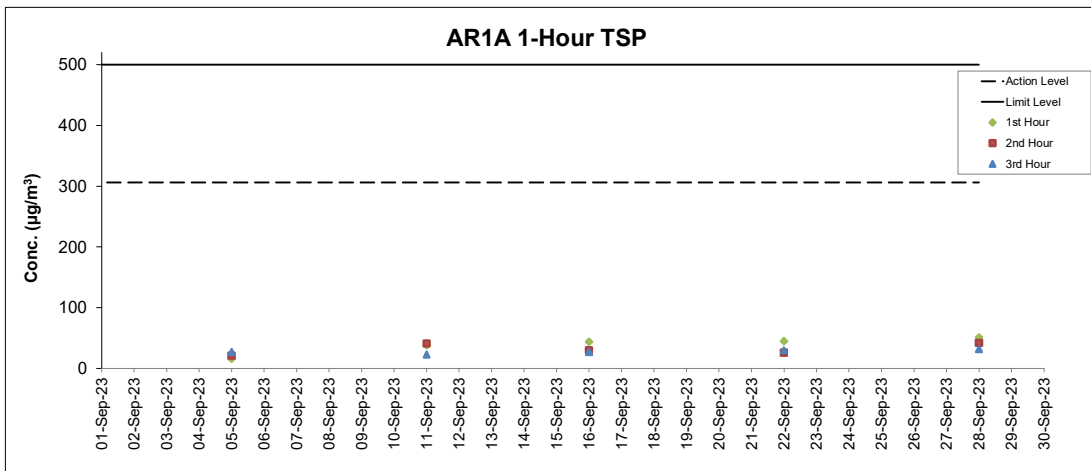
**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
5-Sep-23	8:22	Drizzle	5.0	320	16	306	500
5-Sep-23	9:22	Drizzle	4.7	332	21	306	500
5-Sep-23	10:22	Drizzle	6.7	325	27	306	500
11-Sep-23	8:40	Drizzle	4.7	89	38	306	500
11-Sep-23	9:40	Drizzle	5.3	94	41	306	500
11-Sep-23	10:40	Drizzle	6.4	96	23	306	500
16-Sep-23	9:05	Sunny	2.8	75	44	306	500
16-Sep-23	10:05	Sunny	3.1	68	30	306	500
16-Sep-23	11:05	Sunny	3.6	82	27	306	500
22-Sep-23	8:38	Sunny	1.7	35	45	306	500
22-Sep-23	9:38	Sunny	2.2	345	26	306	500
22-Sep-23	10:38	Sunny	3.1	345	30	306	500
28-Sep-23	8:05	Sunny	5.3	69	51	306	500
28-Sep-23	9:05	Sunny	5.3	61	42	306	500
28-Sep-23	10:05	Sunny	5.0	83	32	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 ( $\mu\text{g}/\text{m}^3$ )
5-Sep-23	13:12	Drizzle	3.3	297	18	298	500
5-Sep-23	14:12	Drizzle	4.2	324	20	298	500
5-Sep-23	15:12	Drizzle	4.7	335	18	298	500
11-Sep-23	13:47	Drizzle	5.3	113	42	298	500
11-Sep-23	14:47	Drizzle	5.0	98	40	298	500
11-Sep-23	15:47	Drizzle	5.0	95	24	298	500
16-Sep-23	12:30	Sunny	2.8	64	47	298	500
16-Sep-23	13:30	Sunny	3.9	48	40	298	500
16-Sep-23	14:30	Sunny	4.2	79	21	298	500
22-Sep-23	13:36	Sunny	3.9	279	23	298	500
22-Sep-23	14:36	Sunny	3.3	252	24	298	500
22-Sep-23	15:36	Sunny	2.5	Variable	28	298	500
28-Sep-23	11:56	Sunny	6.4	106	25	298	500
28-Sep-23	12:56	Sunny	6.7	105	41	298	500
28-Sep-23	13:56	Sunny	5.3	115	45	298	500



**Notes**

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

## **Noise Monitoring Results**

### Noise Measurement Results

#### Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
5-Sep-23	Drizzle	8:01	61.7	57.9	62
5-Sep-23	Drizzle	8:06	60.7	57.7	
5-Sep-23	Drizzle	8:11	60.7	57.1	
5-Sep-23	Drizzle	8:16	61.6	56.3	
5-Sep-23	Drizzle	8:21	61.6	56.0	
5-Sep-23	Drizzle	8:26	60.3	56.3	
11-Sep-23	Drizzle	9:21	62.8	59.2	64
11-Sep-23	Drizzle	9:26	62.7	58.9	
11-Sep-23	Drizzle	9:31	62.7	59.2	
11-Sep-23	Drizzle	9:36	63.2	59.7	
11-Sep-23	Drizzle	9:41	62.7	59.4	
11-Sep-23	Drizzle	9:46	62.4	59.6	
22-Sep-23	Sunny	9:25	61.3	56.9	62
22-Sep-23	Sunny	9:30	60.2	57.0	
22-Sep-23	Sunny	9:35	60.6	56.5	
22-Sep-23	Sunny	9:40	60.9	56.5	
22-Sep-23	Sunny	9:45	61.1	57.0	
22-Sep-23	Sunny	9:50	60.3	56.6	
28-Sep-23	Sunny	8:34	60.9	57.2	64
28-Sep-23	Sunny	8:39	61.2	57.6	
28-Sep-23	Sunny	8:44	61.4	57.7	
28-Sep-23	Sunny	8:49	64.0	58.0	
28-Sep-23	Sunny	8:54	62.1	58.4	
28-Sep-23	Sunny	8:59	64.7	57.7	

Remarks:

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

### Noise Measurement Results

#### Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
7-Sep-23	Overcast	13:00	65.0	63.1	66
7-Sep-23	Overcast	13:05	66.5	64.0	
7-Sep-23	Overcast	13:10	66.7	60.3	
7-Sep-23	Overcast	13:15	63.2	58.8	
7-Sep-23	Overcast	13:20	60.5	57.7	
7-Sep-23	Overcast	13:25	61.7	57.5	
13-Sep-23	Sunny	13:45	62.6	58.6	63
13-Sep-23	Sunny	13:50	63.5	58.4	
13-Sep-23	Sunny	13:55	62.2	57.9	
13-Sep-23	Sunny	14:00	60.9	57.8	
13-Sep-23	Sunny	14:05	59.7	57.4	
13-Sep-23	Sunny	14:10	61.1	57.0	
21-Sep-23	Sunny	14:06	61.8	58.0	63
21-Sep-23	Sunny	14:11	62.8	58.0	
21-Sep-23	Sunny	14:16	62.9	58.0	
21-Sep-23	Sunny	14:21	62.9	58.3	
21-Sep-23	Sunny	14:26	61.4	58.3	
21-Sep-23	Sunny	14:31	63.4	58.2	
27-Sep-23	Sunny	13:42	61.5	57.0	63
27-Sep-23	Sunny	13:47	61.8	58.3	
27-Sep-23	Sunny	13:52	62.7	57.5	
27-Sep-23	Sunny	13:57	62.0	57.5	
27-Sep-23	Sunny	14:02	61.4	56.7	
27-Sep-23	Sunny	14:07	60.5	57.0	

Remarks:

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

### Noise Measurement Results

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

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
5-Sep-23	Drizzle	11:41	64.0	59.7	64*
5-Sep-23	Drizzle	11:46	65.7	61.3	
5-Sep-23	Drizzle	11:51	63.4	60.4	
5-Sep-23	Drizzle	11:56	62.4	59.0	
5-Sep-23	Drizzle	12:01	63.5	59.6	
5-Sep-23	Drizzle	12:06	63.0	60.1	
11-Sep-23	Drizzle	14:04	64.4	60.1	64*
11-Sep-23	Drizzle	14:09	64.2	60.5	
11-Sep-23	Drizzle	14:14	63.8	60.3	
11-Sep-23	Drizzle	14:19	64.1	60.5	
11-Sep-23	Drizzle	14:24	63.0	59.5	
11-Sep-23	Drizzle	14:29	63.7	59.9	
22-Sep-23	Sunny	13:44	64.8	61.5	65*
22-Sep-23	Sunny	13:49	65.0	61.4	
22-Sep-23	Sunny	13:54	64.7	61.5	
22-Sep-23	Sunny	13:59	63.9	61.3	
22-Sep-23	Sunny	14:04	63.8	61.3	
22-Sep-23	Sunny	14:09	63.7	61.2	
28-Sep-23	Sunny	10:50	65.9	59.9	65*
28-Sep-23	Sunny	10:55	65.7	60.0	
28-Sep-23	Sunny	11:00	64.3	60.0	
28-Sep-23	Sunny	11:05	64.4	60.0	
28-Sep-23	Sunny	11:10	63.2	59.9	
28-Sep-23	Sunny	11:15	63.8	59.9	

Remarks:

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

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

### Noise Measurement Results

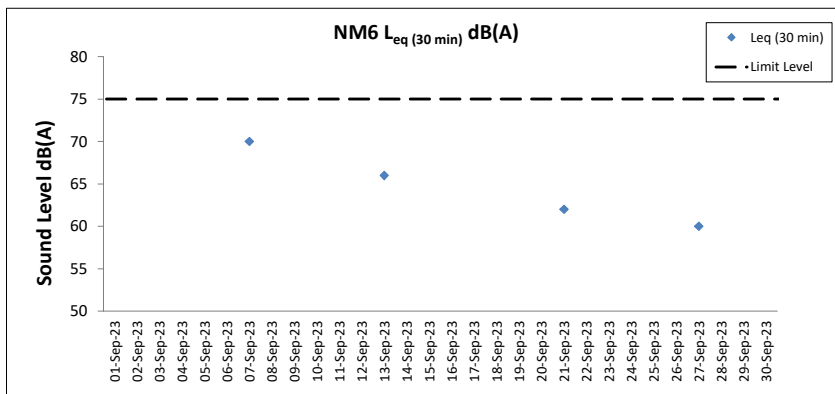
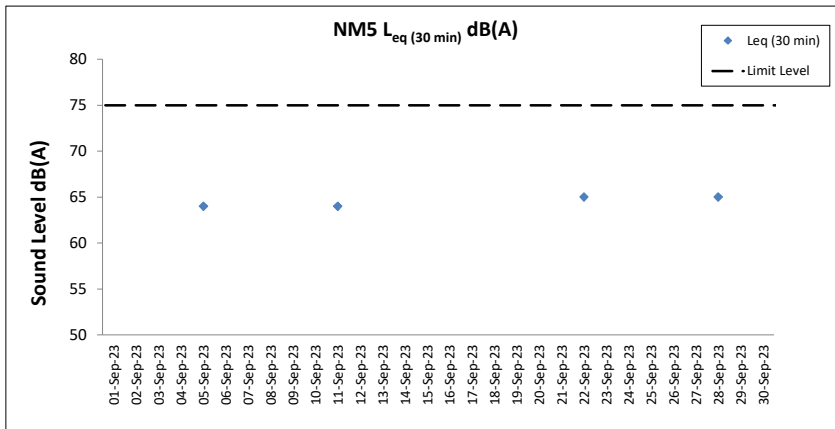
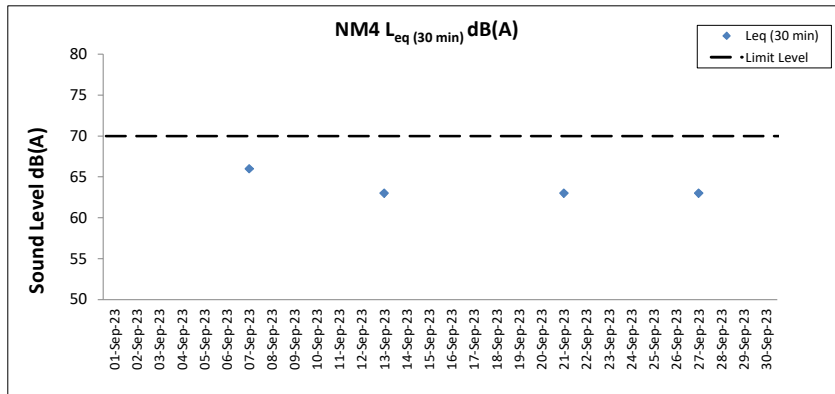
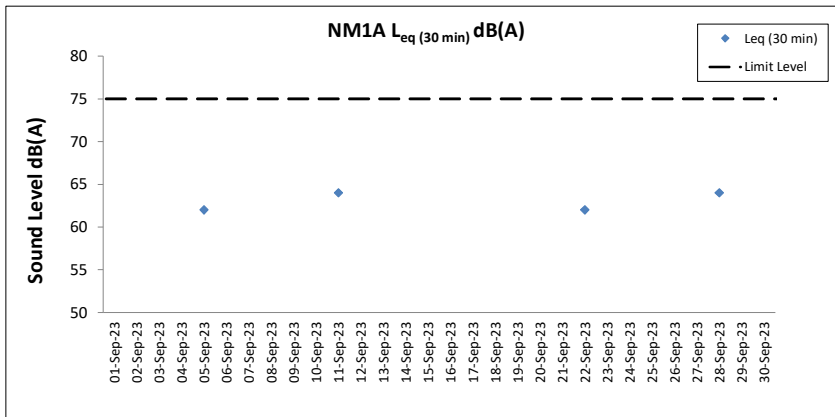
#### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
7-Sep-23	Overcast	15:43	74.8	51.2	70*
7-Sep-23	Overcast	15:48	71.2	60.0	
7-Sep-23	Overcast	15:53	72.2	54.2	
7-Sep-23	Overcast	15:58	65.9	52.5	
7-Sep-23	Overcast	16:03	70.9	51.4	
7-Sep-23	Overcast	16:08	76.9	67.4	
13-Sep-23	Sunny	15:47	71.9	51.4	
13-Sep-23	Sunny	15:52	64.9	51.8	
13-Sep-23	Sunny	15:57	60.6	48.9	
13-Sep-23	Sunny	16:02	63.3	49.1	
13-Sep-23	Sunny	16:07	66.6	52.7	
13-Sep-23	Sunny	16:12	69.7	48.6	
21-Sep-23	Sunny	15:45	68.9	63.0	62*
21-Sep-23	Sunny	15:50	73.5	66.7	
21-Sep-23	Sunny	15:55	69.8	59.6	
21-Sep-23	Sunny	16:00	66.0	60.8	
21-Sep-23	Sunny	16:05	62.3	59.4	
21-Sep-23	Sunny	16:10	62.7	59.4	
27-Sep-23	Sunny	15:42	56.4	45.9	60
27-Sep-23	Sunny	15:47	59.1	46.2	
27-Sep-23	Sunny	15:52	63.6	49.6	
27-Sep-23	Sunny	15:57	58.9	46.8	
27-Sep-23	Sunny	16:02	58.1	43.6	
27-Sep-23	Sunny	16:07	60.1	45.9	

Remarks:

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

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



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 05 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
C1	Fine	Rough	16:37	7.9	Surface	1.0	0.3	207	27.0	7.9	7.9	27.1	27.1	85.3	85.4	5.8	5.8	5.7	7.7	3	3	815643	804242											
						1.0	0.3	207	26.9	27.0	7.9	7.9	27.1	27.1	85.4	85.4								5.8										
					Middle	4.0	0.3	195	26.8	26.8	7.9	7.9	27.5	27.5	83.6	83.6								5.7	5.7	5.9								
						4.0	0.3	189	26.8	26.8	7.9	7.9	27.5	27.5	83.5	83.6								5.7	5.7	7.4								
					Bottom	6.9	0.3	194	26.6	26.6	7.9	7.9	28.4	28.4	82.1	82.2								5.6	5.6	9.8								
						6.9	0.3	197	26.6	26.6	7.9	7.9	28.4	28.4	82.3	82.2								5.6	5.6	9.9								
					C2	Fine	Rough	14:58	10.3	Surface	1.0	0.1	347	27.2	7.9	7.9								26.0	26.0	85.7	85.7	5.9	5.8	3.3	4.5	3	825681	806954
											1.0	0.0	351	27.2	27.2	7.9								7.9	26.0	26.0	85.7	85.7						
Middle	5.2	0.0	335	26.9						26.9	7.9	7.9	26.7	26.7	82.9	83.0	5.7	5.7	3.3															
	5.2	0.0	342	26.8						26.9	7.9	7.9	26.7	26.7	83.0	83.0	5.7	5.7	4.0															
Bottom	9.3	0.0	337	26.3						26.3	7.9	7.9	28.7	28.8	79.9	79.9	5.5	5.5	6.3															
	9.3	0.0	335	26.3						26.3	7.9	7.9	28.9	28.8	79.8	79.8	5.5	5.5	6.3															
C3	Cloudy	Moderate	15:59	12.0						Surface	1.0	0.3	71	25.5	8.0	8.0	29.0	29.0	72.5	72.5	5.0	5.0	2.0	2.4	3	822090	817790							
											1.0	0.3	63	25.5	25.5	8.0	8.0	29.0	29.0	72.5	72.5							5.0						
					Middle	6.0	0.2	77	25.3	25.3	8.0	8.0	29.4	29.4	71.0	71.0	4.9	4.9	2.6															
						6.0	0.2	83	25.3	25.3	8.0	8.0	29.4	29.4	71.0	71.0	4.9	4.9	2.6															
					Bottom	11.0	0.2	104	25.2	25.2	7.9	7.9	29.6	29.6	70.8	70.8	4.9	4.9	2.5															
						11.0	0.2	104	25.2	25.2	7.9	7.9	29.6	29.6	70.8	70.8	4.9	4.9	2.6															
					IM1	Fine	Rough	16:13	7.1	Surface	1.0	0.1	201	27.1	7.9	7.9	27.0	27.0	84.9	84.9	5.8							5.7	5.0	6.4	2	818349	806476	
											1.0	0.1	200	27.1	27.1	7.9	7.9	27.0	27.0	84.9	84.9													5.8
Middle	3.6	0.1	209	26.8						26.8	7.9	7.9	27.7	27.7	82.1	82.1	5.6	5.6	4.9															
	3.6	0.1	214	26.8						26.8	7.9	7.9	27.7	27.7	82.1	82.1	5.6	5.6	6.7															
Bottom	6.1	0.2	201	26.6						26.6	7.9	7.9	28.5	28.5	81.2	81.3	5.6	5.6	7.4															
	6.1	0.2	202	26.6						26.6	7.9	7.9	28.5	28.5	81.3	81.3	5.6	5.6	7.5															
IM2	Fine	Rough	16:02	7.7						Surface	1.0	0.1	175	25.6	8.0	8.0	29.1	29.1	81.1	81.1	5.6	5.5	2.4	3.8	3	819168	806213							
											1.0	0.1	170	25.5	25.6	8.0	8.0	29.2	29.1	81.0	81.0													5.6
					Middle	3.9	0.1	154	25.3	25.3	8.0	8.0	32.8	32.8	78.1	78.2	5.3	5.3	3.9															
						3.9	0.1	157	25.3	25.3	8.0	8.0	32.9	32.8	78.2	78.2	5.3	5.3	3.9															
					Bottom	6.7	0.1	174	25.3	25.3	8.0	8.0	33.0	33.0	77.5	77.6	5.3	5.3	5.1															
						6.7	0.1	180	25.3	25.3	8.0	8.0	33.0	33.0	77.6	77.6	5.3	5.3	5.2															
					IM7	Fine	Rough	15:39	8.8	Surface	1.0	0.1	116	26.9	7.9	7.9	26.7	26.7	84.0	84.0	5.8							5.6	3.6	4.6	3	821363	806849	
											1.0	0.1	119	26.8	26.9	7.9	7.9	26.7	26.7	83.9	83.9													5.8
Middle	4.4	0.1	98	26.0						26.0	7.9	7.9	29.7	29.7	76.7	76.7	5.3	5.3	4.7															
	4.4	0.1	104	26.0						26.0	7.9	7.9	29.7	29.7	76.7	76.7	5.3	5.3	4.8															
Bottom	7.8	0.1	101	26.0						26.0	7.9	7.9	30.2	30.2	75.2	75.2	5.2	5.2	5.4															
	7.8	0.2	107	26.0						26.0	7.9	7.9	30.2	30.2	75.3	75.3	5.2	5.2	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

Note: The ebb tide and flood tide monitoring sessions on 2 September 2023 was cancelled due No.8 Southeast Gale Storm Signal.

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)			DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Cloudy	Rough	14:53	8.0	Surface	1.0	0.0	51	26.8	26.8	7.9	7.9	23.9	23.9	79.5	79.4	5.6	5.3	1.5	4.3	4	4	822222	809839				
						1.0	0.1	50	26.8		7.9	7.9	23.9		79.3		5.6		1.6		3							
					Middle	4.0	0.1	58	25.9	25.9	7.9	7.9	26.9	27.0	71.0	71.0	5.0	5.0	5.3	4								
						4.0	0.1	54	25.9		7.9	7.9	27.0		71.0		5.0		5.4	4								
					Bottom	7.0	0.1	47	25.8	25.8	7.9	7.9	27.3	27.3	71.1	71.2	5.0	5.0	6.2	3								
						7.0	0.1	47	25.8		7.9	7.9	27.3		71.2		5.0		6.2	3								
IM11	Cloudy	Rough	14:58	8.8	Surface	1.0	0.1	65	26.8	26.8	7.9	7.9	23.8	23.7	78.3	78.3	5.5	5.2	1.8	4.9	2	3	821482	810536				
						1.0	0.1	67	26.8		7.9	7.9	23.7		78.2		5.5		1.8		2							
					Middle	4.4	0.1	82	25.9	25.9	7.9	7.9	27.0	27.0	70.7	70.7	4.9	4.9	4.6	2								
						4.4	0.1	85	25.9		7.9	7.9	27.0		70.7		4.9		4.7	3								
					Bottom	7.8	0.2	83	25.9	25.9	7.9	7.9	27.2	27.2	70.8	70.8	4.9	4.9	8.2	3								
						7.8	0.2	78	25.9		7.9	7.9	27.2		70.8		4.9		8.3	3								
IM12	Cloudy	Rough	15:03	8.3	Surface	1.0	0.1	79	26.5	26.5	7.9	7.9	24.9	24.9	77.6	77.6	5.4	5.2	1.9	5.0	3	3	821138	811519				
						1.0	0.1	85	26.5		7.9	7.9	24.9		77.6		5.4		1.9		3							
					Middle	4.2	0.1	65	25.8	25.8	7.9	7.9	27.4	27.4	71.0	71.0	5.0	5.0	6.3	3								
						4.2	0.1	57	25.8		7.9	7.9	27.5		71.0		5.0		6.4	3								
					Bottom	7.3	0.1	94	25.7	25.7	7.9	7.9	27.8	27.8	71.3	71.3	5.0	5.0	6.7	3								
						7.3	0.0	88	25.7		7.9	7.9	27.8		71.3		5.0		6.7	4								
SR1A	Cloudy	Moderate	15:29	5.6	Surface	1.0	0.1	78	26.2	26.2	7.9	7.9	24.2	24.3	77.1	77.0	5.4	5.4	5.1	6.0	3	3	819975	812661				
						1.0	0.1	75	26.1		7.9	7.9	24.3		76.9		5.4		5.4		3							
					Middle	2.8	0.0	54	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.8	0.0	46	-		-	-	-		-		-		-		-					-		-
					Bottom	4.6	0.0	45	25.7	25.7	7.9	7.9	27.9	27.9	70.8	70.8	4.9	4.9	6.7	4								
						4.6	0.1	41	25.7		7.9	7.9	27.9		70.8		4.9		6.7	2								
SR2	Cloudy	Moderate	15:42	4.1	Surface	1.0	0.2	49	26.4	26.4	7.9	7.9	25.6	25.6	76.7	76.8	5.4	5.4	2.5	2.4	3	3	821448	814167				
						1.0	0.2	53	26.4		7.9	7.9	25.6		76.8		5.4		2.5		2							
					Middle	-	0.2	67	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.2	60	-		-	-	-		-		-		-		-							
					Bottom	3.1	0.2	38	26.3	26.3	7.9	7.9	26.0	26.0	78.3	78.4	5.5	5.5	2.3	4								
						3.1	0.2	38	26.3		7.9	7.9	26.0		78.5		5.5		2.3	3								
SR3	Fine	Rough	15:22	9.4	Surface	1.0	0.1	68	26.0	26.0	7.9	7.9	29.8	29.7	76.3	76.3	5.2	5.2	6.8	8.2	3	3	822149	807591				
						1.0	0.1	72	26.0		7.9	7.9	29.7		76.3		5.2		6.8		3							
					Middle	4.7	0.0	73	25.9	25.9	7.9	7.9	30.2	30.2	74.9	75.0	5.1	5.1	8.5	2								
						4.7	0.0	70	25.9		7.9	7.9	30.2		75.0		5.1		8.6	4								
					Bottom	8.4	0.0	76	26.0	26.0	7.9	7.9	30.3	30.3	74.2	74.2	5.1	5.1	9.1	4								
						8.4	0.0	74	26.0		7.9	7.9	30.3		74.2		5.1		9.2	4								
SR4A	Fine	Rough	17:04	10.1	Surface	1.0	0.0	55	27.2	27.2	7.9	7.9	27.9	27.9	79.7	79.7	5.4	5.4	5.1	6.3	4	3	817197	807803				
						1.0	0.1	61	27.2		7.9	7.9	27.9		79.7		5.4		5.2		3							
					Middle	5.1	0.0	40	27.1	27.1	7.9	7.9	28.1	28.1	79.0	79.0	5.4	5.4	5.9	2								
						5.1	0.1	33	27.1		7.9	7.9	28.1		79.0		5.4		5.9	3								
					Bottom	9.1	0.0	69	27.0	27.0	7.9	7.9	28.3	28.3	78.5	78.5	5.3	5.3	7.9	2								
						9.1	0.1	75	27.0		7.9	7.9	28.3		78.5		5.3		8.0	2								
SR8	Cloudy	Rough	15:08	5.0	Surface	1.0	-	-	27.0	27.0	7.9	7.9	24.2	24.2	76.4	76.4	5.3	5.3	5.5	8.1	3	3	820402	811629				
						1.0	-	-	27.0		7.9	7.9	24.2		76.3		5.3		5.7		2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-		-	-	-		-		-		-		-							
					Bottom	4.0	-	-	25.8	25.8	7.9	7.9	27.6	27.6	71.9	72.1	5.0	5.0	10.7	3								
						4.0	-	-	25.8		7.9	7.9	27.6		72.3		5.0		10.7	2								

DA: Depth-Averaged

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

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

Note: The ebb tide and flood tide monitoring sessions on 2 September 2023 was cancelled due No.8 Southeast Gale Storm Signal.

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Rainy	Rough	10:05	7.4	Surface	1.0	0.2	21	27.6	27.6	7.8	7.8	22.4	22.4	84.9	84.9	5.9	5.9	1.5	3.2	4	4	815608	804266	
						1.0	0.2	13	27.6		7.8	7.8	22.4	22.4	84.9	84.9	5.9		1.5						
					Middle	3.7	0.3	15	27.5	27.5	7.8	7.8	22.9	22.9	83.9	83.9	5.8	5.8	2.4	5.9	4				3
						3.7	0.3	18	27.5		7.8	7.8	22.9	22.9	83.8	83.8	5.8		2.4						
					Bottom	6.4	0.3	17	27.1	27.1	7.8	7.8	26.0	26.0	78.3	78.4	5.4	5.4	5.8	5.9	3				3
						6.4	0.3	10	27.1		7.8	7.8	26.0	26.0	78.4	78.4	5.4		5.8						
C2	Cloudy	Rough	11:50	9.7	Surface	1.0	0.4	1	26.7	26.7	7.9	7.9	26.3	26.4	84.5	84.5	5.8	5.6	3.7	5.9	4	3	825692	806956	
						1.0	0.4	7	26.6		7.9	7.9	26.4	26.4	84.4	84.4	5.8		3.8						
					Middle	4.9	0.4	5	26.1	26.1	7.9	7.9	29.7	29.7	77.5	77.5	5.3	5.3	5.5	5.9	2				3
						4.9	0.4	2	26.1		7.9	7.9	29.8	29.7	77.4	77.4	5.3		5.6						
					Bottom	8.7	0.4	13	25.8	25.8	8.0	8.0	31.2	31.2	77.2	77.2	5.3	5.3	8.4	5.9	2				3
						8.7	0.3	17	25.8		8.0	8.0	31.2	31.2	77.2	77.2	5.3		8.5						
C3	Cloudy	Moderate	10:11	11.5	Surface	1.0	0.4	264	26.4	26.4	8.0	8.0	26.1	26.1	77.3	77.3	5.4	5.2	1.4	4.7	3	3	822122	817802	
						1.0	0.4	262	26.4		8.0	8.0	26.1	26.1	77.3	77.3	5.4		1.4						
					Middle	5.8	0.4	276	25.7	25.7	8.0	8.0	27.8	27.8	72.3	72.3	5.0	5.0	2.2	5.2	3				3
						5.8	0.4	274	25.7		8.0	8.0	27.8	27.8	72.3	72.3	5.0		2.4						
					Bottom	10.5	0.5	264	25.2	25.2	8.0	8.0	29.5	29.5	70.7	70.8	4.9	4.9	10.3	5.2	4				3
						10.5	0.4	267	25.2		8.0	8.0	29.5	29.5	70.8	70.8	4.9		10.3						
IM1	Cloudy	Rough	10:30	6.7	Surface	1.0	0.2	16	27.6	27.6	7.8	7.8	22.4	22.4	83.8	83.8	5.8	5.8	2.6	3.8	4	4	818331	806469	
						1.0	0.2	14	27.6		7.8	7.8	22.4	22.4	83.8	83.8	5.8		2.6						
					Middle	3.4	0.2	5	27.4	27.4	7.8	7.8	23.1	23.1	81.8	81.8	5.7	5.7	3.7	5.8	3				3
						3.4	0.3	5	27.4		7.8	7.8	23.1	23.1	81.8	81.8	5.7		3.7						
					Bottom	5.7	0.2	20	27.0	27.0	7.8	7.8	25.9	25.9	79.4	79.5	5.5	5.5	5.0	5.5	4				3
						5.7	0.2	15	27.0		7.8	7.8	26.0	25.9	79.5	79.5	5.5		5.1						
IM2	Cloudy	Rough	10:37	6.9	Surface	1.0	0.2	9	27.7	27.7	7.8	7.8	22.2	22.2	84.5	84.5	5.9	5.9	2.6	3.0	3	3	819159	806250	
						1.0	0.2	10	27.7		7.8	7.8	22.2	22.2	84.5	84.5	5.9		2.6						
					Middle	3.5	0.2	10	27.6	27.6	7.8	7.8	22.7	22.7	83.5	83.5	5.8	5.8	2.7	5.9	3				3
						3.5	0.2	11	27.6		7.8	7.8	22.7	22.7	83.5	83.5	5.8		2.6						
					Bottom	5.9	0.2	28	27.3	27.3	7.8	7.8	23.9	23.9	79.7	79.7	5.5	5.5	3.9	5.5	3				3
						5.9	0.2	21	27.3		7.8	7.8	23.9	23.9	79.7	79.7	5.5		3.9						
IM7	Cloudy	Rough	11:04	7.9	Surface	1.0	0.2	337	27.5	27.5	7.8	7.8	22.4	22.4	82.9	82.8	5.8	5.7	2.9	5.0	4	3	821340	806850	
						1.0	0.1	336	27.5		7.8	7.8	22.4	22.4	82.6	82.6	5.8		3.0						
					Middle	4.0	0.2	327	27.1	27.1	7.9	7.9	24.6	24.6	80.4	80.5	5.6	5.6	3.9	5.7	2				3
						4.0	0.2	331	27.1		7.9	7.9	24.6	24.6	80.5	80.5	5.6		3.8						
					Bottom	6.9	0.2	358	26.2	26.2	7.9	7.9	29.7	29.7	78.5	78.6	5.4	5.4	8.3	5.4	3				2
						6.9	0.3	354	26.2		7.9	7.9	29.7	29.7	78.6	78.6	5.4		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**

Note: The ebb tide and flood tide monitoring sessions on 2 September 2023 was cancelled due No.8 Southeast Gale Storm Signal.

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Cloudy	Rough	11:29	8.5	Surface	1.0	0.3	293	26.2	26.2	7.9	7.9	23.9	23.9	77.6	77.3	5.5	5.2	3.4	6.2	2	2	822219	809829			
						1.0	0.3	292	26.2		7.9	7.9	24.0	24.0	77.0	77.0	5.4	5.2	3.7								
					Middle	4.3	0.3	284	25.8	25.8	7.9	7.9	27.3	27.4	71.1	71.1	5.0	5.0	6.0	3	3						
						4.3	0.4	281	25.8		7.9	7.9	27.4	27.4	71.1	71.1	5.0	5.0	6.1	3	3						
					Bottom	7.5	0.4	273	25.6	25.6	7.9	7.9	27.8	27.8	72.0	72.2	5.0	5.1	8.9	2	2						
						7.5	0.4	274	25.6		7.9	7.9	27.8	27.8	72.4	72.2	5.1	5.1	9.1	2	2						
IM11	Cloudy	Rough	11:22	8.2	Surface	1.0	0.4	267	26.3	26.3	7.9	7.9	25.3	25.3	76.6	76.6	5.4	5.2	2.3	5.5	3	3	821524	810555			
						1.0	0.4	260	26.3		7.9	7.9	25.4	25.4	76.6	76.6	5.4	5.2	2.3								
					Middle	4.1	0.4	277	25.9	25.9	7.9	7.9	26.9	26.9	72.1	72.1	5.0	5.0	6.8	4	4						
						4.1	0.4	273	25.9		7.9	7.9	26.9	26.9	72.1	72.1	5.0	5.0	6.8	3	3						
					Bottom	7.2	0.4	257	25.9	25.9	7.9	7.9	27.0	27.0	72.2	72.2	5.0	5.0	7.5	3	3						
						7.2	0.4	258	25.9		7.9	7.9	27.0	27.0	72.2	72.2	5.0	5.0	7.5	3	3						
IM12	Cloudy	Rough	11:15	7.6	Surface	1.0	0.4	290	26.6	26.6	7.9	7.9	23.7	23.8	78.5	78.5	5.5	5.3	1.9	5.3	4	4	821181	811541			
						1.0	0.4	293	26.6		7.9	7.9	23.8	23.8	78.4	78.4	5.5	5.3	2.0								
					Middle	3.8	0.5	281	25.8	25.8	7.9	7.9	27.2	27.2	71.3	71.3	5.0	5.0	5.6	2	2						
						3.8	0.5	281	25.8		7.9	7.9	27.2	27.2	71.3	71.3	5.0	5.0	5.6	4	4						
					Bottom	6.6	0.5	287	25.7	25.7	7.9	7.9	27.5	27.5	71.3	71.4	5.0	5.0	8.3	4	4						
						6.6	0.4	286	25.7		7.9	7.9	27.5	27.5	71.4	71.4	5.0	5.0	8.2	4	4						
SR1A	Cloudy	Moderate	10:47	5.4	Surface	1.0	0.0	203	26.6	26.6	7.9	7.9	24.8	24.9	72.8	72.7	5.1	5.1	4.6	5.1	3	3	819981	812660			
						1.0	0.0	202	26.5		7.9	7.9	25.0	25.0	72.5	72.5	5.1	5.1	4.8								
					Middle	2.7	0.0	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-			7.7	-	-
						2.7	0.0	195	-		-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.4	0.0	196	26.2	26.2	7.9	7.9	26.2	26.2	70.9	70.9	4.9	4.9	10.9	3	3						
						4.4	0.0	199	26.2		7.9	7.9	26.2	26.2	70.9	70.9	4.9	4.9	10.6	3	3						
SR2	Cloudy	Moderate	10:32	4.6	Surface	1.0	0.1	252	26.3	26.3	7.9	7.9	25.7	25.7	75.5	75.5	5.3	5.3	1.8	5.3	3	3	821478	814153			
						1.0	0.0	253	26.3		7.9	7.9	25.7	25.7	75.4	75.4	5.3	5.3	1.8								
					Middle	-	0.1	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-			3.3	-	-
						-	0.1	238	-		-	-	-	-	-	-	-	-	-	-							
					Bottom	3.6	0.2	242	26.0	26.0	7.9	7.9	26.5	26.6	72.2	72.1	5.0	5.0	4.8	3	3						
						3.6	0.2	234	26.0		7.9	7.9	26.7	26.6	71.9	72.1	5.0	5.0	5.0	4	4						
SR3	Cloudy	Rough	11:16	9.1	Surface	1.0	0.3	339	27.6	27.6	7.8	7.8	22.1	22.1	83.6	83.6	5.8	5.8	2.5	5.8	2	2	822127	807579			
						1.0	0.3	341	27.6		7.8	7.8	22.1	22.1	83.6	83.6	5.8	5.8	2.5								
					Middle	4.6	0.4	0	27.5	27.5	7.8	7.8	22.7	22.7	83.0	83.0	5.8	5.8	2.9	3	3						
						4.6	0.4	3	27.5		7.8	7.8	22.7	22.7	83.0	83.0	5.8	5.8	2.9	3	3						
					Bottom	8.1	0.3	318	27.1	27.1	7.9	7.9	24.4	24.4	80.3	80.3	5.6	5.6	3.8	3	3						
						8.1	0.3	311	27.1		7.9	7.9	24.4	24.4	80.3	80.3	5.6	5.6	3.8	3	3						
SR4A	Rainy	Rough	09:35	9.7	Surface	1.0	0.0	229	27.5	27.5	7.8	7.8	22.5	22.5	83.2	83.1	5.8	5.8	3.4	5.8	3	3	817178	807801			
						1.0	0.1	234	27.5		7.8	7.8	22.5	22.5	82.9	82.9	5.8	5.8	3.4								
					Middle	4.9	0.0	206	27.3	27.3	7.8	7.8	24.3	24.3	81.9	82.0	5.7	5.7	4.8	2	2						
						4.9	0.0	210	27.3		7.8	7.8	24.2	24.3	82.1	82.1	5.7	5.7	4.8	3	3						
					Bottom	8.7	0.1	234	27.1	27.1	7.8	7.8	26.0	26.0	79.6	79.7	5.5	5.5	6.4	3	3						
						8.7	0.0	237	27.1		7.8	7.8	26.0	26.0	79.7	79.7	5.5	5.5	6.4	2	2						
SR8	Cloudy	Rough	11:10	5.0	Surface	1.0	-	-	26.5	26.5	7.9	7.9	24.5	24.5	74.4	74.4	5.2	5.2	3.6	5.2	2	2	820407	811617			
						1.0	-	-	26.5		7.9	7.9	24.5	24.5	74.3	74.3	5.2	5.2	3.6								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			4.5	-	-
						-	-	-	-		-	-	-	-	-	-	-	-	-	-							
					Bottom	4.0	-	-	25.9	25.9	7.9	7.9	27.3	27.3	69.9	70.0	4.9	4.9	5.5	4	4						
						4.0	-	-	25.9		7.9	7.9	27.3	27.3	70.0	70.0	4.9	4.9	5.2	2	2						

DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**  
 Note: The ebb tide and flood tide monitoring sessions on 2 September 2023 was cancelled due No.8 Southeast Gale Storm Signal.

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 07 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	05:41	8.5	Surface	1.0	0.4	213	26.9	26.9	7.9	7.9	25.3	25.3	82.1	82.1	5.7	5.7	5.3	7.8	9	8	9	804250			
						1.0	0.4	207	26.8	7.9	7.9	25.3	25.3	82.0	82.1	5.7	5.7										
					Middle	4.3	0.4	203	25.6	25.6	7.9	7.9	32.7	32.7	72.1	72.1	4.9	4.9	4.9	4.9	4.9	4.9			9	9	
						4.3	0.4	204	25.6	25.6	7.9	7.9	32.7	32.7	72.1	72.1	4.9	4.9									
					Bottom	7.5	0.4	219	25.6	25.6	7.9	7.9	32.7	32.7	72.4	72.5	4.9	4.9	4.9	4.9	4.9	4.9			11	10	
						7.5	0.4	211	25.6	25.6	7.9	7.9	32.7	32.7	72.5	72.5	4.9	4.9									
C2	Cloudy	Moderate	07:33	11.8	Surface	1.0	0.7	173	27.7	27.7	7.9	7.9	19.4	19.4	86.0	86.0	6.1	6.1	5.7	6.1	6.1	6.1	4	825667	806966		
						1.0	0.7	168	27.7	27.7	7.9	7.9	19.4	19.4	86.0	86.0	6.1	6.1									
					Middle	5.9	0.7	163	27.0	27.0	7.9	7.9	27.9	27.9	76.6	76.7	5.2	5.2	5.2	5.2	5.2	5.2				4	4
						5.9	0.7	164	27.0	27.0	7.9	7.9	27.9	27.9	76.8	76.8	5.2	5.2									
					Bottom	10.8	0.7	155	26.5	26.5	7.9	7.9	29.3	29.3	76.4	76.5	5.2	5.2	5.2	5.2	5.2	5.2				5	4
						10.8	0.7	157	26.5	26.5	7.9	7.9	29.3	29.3	76.5	76.5	5.2	5.2									
C3	Misty	Moderate	06:48	10.6	Surface	1.0	0.3	69	26.2	26.2	8.0	8.0	26.3	26.3	73.4	73.4	5.1	5.1	4.9	1.4	3	3	3	822126	817795		
						1.0	0.2	61	26.2	26.2	8.0	8.0	26.3	26.3	73.4	73.4	5.1	5.1									
					Middle	5.3	0.3	54	25.7	25.7	8.0	8.0	28.0	28.0	68.0	68.0	4.7	4.7	4.7	4.7	4.7	4.7				3	3
						5.3	0.3	49	25.7	25.7	8.0	8.0	28.1	28.0	68.0	68.0	4.7	4.7									
					Bottom	9.6	0.3	95	25.5	25.5	7.9	7.9	28.8	28.8	67.2	67.2	4.7	4.7	4.7	4.7	4.7	4.7				3	2
						9.6	0.2	99	25.5	25.5	7.9	7.9	28.8	28.8	67.2	67.2	4.7	4.7									
IM1	Cloudy	Moderate	06:12	6.5	Surface	1.0	0.3	192	26.5	26.5	7.9	7.9	28.1	28.1	81.3	81.3	5.6	5.6	5.4	6.4	4	5	4	818373	806467		
						1.0	0.3	198	26.4	26.4	7.9	7.9	28.2	28.1	81.2	81.3	5.6	5.6									
					Middle	3.3	0.4	203	25.9	25.9	7.9	7.9	31.8	31.8	74.6	74.6	5.1	5.1	5.1	5.1	5.1	5.1				4	4
						3.3	0.4	203	25.9	25.9	7.9	7.9	31.8	31.8	74.5	74.5	5.1	5.1									
					Bottom	5.5	0.3	215	25.5	25.5	7.9	7.9	32.9	32.9	71.7	71.8	4.9	4.9	4.9	4.9	4.9	4.9				4	4
						5.5	0.3	214	25.5	25.5	7.9	7.9	32.9	32.9	71.8	71.8	4.9	4.9									
IM2	Cloudy	Moderate	06:17	6.8	Surface	1.0	0.4	215	26.1	26.1	7.9	7.9	30.9	30.9	75.8	75.8	5.2	5.2	5.1	10.1	10	10	11	819182	806226		
						1.0	0.4	221	26.1	26.1	7.9	7.9	30.9	30.9	75.7	75.7	5.2	5.2									
					Middle	3.4	0.4	187	25.7	25.7	7.9	7.9	32.0	32.1	73.6	73.6	5.0	5.0	5.0	5.0	5.0	5.0				8	11
						3.4	0.4	183	25.7	25.7	7.9	7.9	32.1	32.1	73.5	73.5	5.0	5.0									
					Bottom	5.8	0.4	180	25.5	25.5	7.9	7.9	33.0	33.0	72.7	72.7	4.9	4.9	4.9	4.9	4.9	4.9				12	12
						5.8	0.4	176	25.5	25.5	7.9	7.9	33.0	33.0	72.7	72.7	4.9	4.9									
IM7	Cloudy	Moderate	06:51	8.0	Surface	1.0	0.3	202	26.5	26.5	7.9	7.9	27.2	27.2	79.6	79.5	5.5	5.5	5.4	5.0	12	11	11	821355	806819		
						1.0	0.3	200	26.5	26.5	7.9	7.9	27.2	27.2	79.4	79.4	5.5	5.5									
					Middle	4.0	0.3	196	26.0	26.0	7.9	7.9	30.5	30.4	76.8	76.8	5.3	5.3	5.3	5.3	5.3	5.3				11	10
						4.0	0.2	188	26.0	26.0	7.9	7.9	30.2	30.2	76.7	76.7	5.3	5.3									
					Bottom	7.0	0.3	204	25.7	25.7	7.9	7.9	32.1	32.1	76.1	76.2	5.2	5.2	5.2	5.2	5.2	5.2				6	11
						7.0	0.4	203	25.7	25.7	7.9	7.9	32.1	32.1	76.3	76.3	5.2	5.2									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 September 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
IM10	Misty	Moderate	08:00	9.8	Surface	1.0	0.3	128	26.9	26.9	7.9	7.9	19.7	19.7	79.0	79.0	5.7	5.7	5.4	1.6	0.9	3	822225	809849							
						1.0	0.3	127	26.8	7.9	7.9	19.7	19.7	78.9	79.0	5.7	5.7														
					Middle	4.9	0.3	127	26.2	26.2	7.9	7.9	26.2	26.3	72.3	72.3	5.1	5.0	5.0	5.0	2.4	2			1.3	3					
						4.9	0.4	128	26.1	26.2	7.9	7.9	26.3	26.3	72.2	72.2	5.0	5.0													
					Bottom	8.8	0.4	130	25.7	25.7	7.9	7.9	27.6	27.6	72.2	72.3	5.0	5.0	5.0	5.0	2.4	2			1.3	2					
						8.8	0.4	130	25.7	25.7	7.9	7.9	27.6	27.6	72.3	72.3	5.0	5.0													
					IM11	Misty	Moderate	07:53	7.8	Surface	1.0	0.3	114	27.1	27.1	7.9	7.9	19.2	19.2	80.1	80.1	5.7			5.7	5.4	1.9	1.2	2	821510	810525
											1.0	0.3	116	27.0	27.1	7.9	7.9	19.2	19.2	80.0	80.1	5.7			5.7						
Middle	3.9	0.3	94	26.3						26.3	7.9	7.9	25.5	25.5	71.7	71.7	5.0	5.0	5.0	4.8	3.2	2	1.4	2							
	3.9	0.2	90	26.3						26.3	7.9	7.9	25.4	25.5	71.7	71.7	5.0	5.0													
Bottom	6.8	0.3	88	25.9						25.9	7.9	7.9	27.0	26.9	69.2	69.3	4.8	4.8	4.8	4.8	3.2	3	1.4	2							
	6.8	0.4	94	25.9						25.9	7.9	7.9	26.9	26.9	69.4	69.3	4.8	4.8													
IM12	Misty	Moderate	07:47	8.0						Surface	1.0	0.5	101	26.9	26.9	7.9	7.9	20.8	20.8	77.6	77.6	5.5	5.5	5.2	1.6	1.1	2	821141	811511		
											1.0	0.5	98	26.9	26.9	7.9	7.9	20.8	20.8	77.5	77.5	5.5	5.5								
					Middle	4.0	0.5	93	26.0	26.0	7.9	7.9	26.4	26.4	69.5	69.5	4.9	4.9	4.9	4.9	2.4	2	1.3	2							
						4.0	0.4	94	26.0	26.0	7.9	7.9	26.5	26.4	69.4	69.5	4.9	4.9													
					Bottom	7.0	0.5	84	25.5	25.5	7.9	7.9	28.3	28.3	69.2	69.4	4.8	4.9	4.9	4.9	2.4	3	1.3	2							
						7.0	0.5	84	25.5	25.5	7.9	7.9	28.3	28.3	69.5	69.4	4.9	4.9													
					SR1A	Misty	Moderate	07:22	3.8	Surface	1.0	0.0	51	27.0	27.0	7.9	7.9	20.5	20.5	80.2	80.1	5.7	5.7	5.7	0.6	0.2	2			819973	812660
											1.0	0.0	46	27.0	27.0	7.9	7.9	20.5	20.5	80.0	80.1	5.7	5.7								
Middle	1.9	0.0	40	-						-	-	-	-	-	-	-	-	-	5.5	5.5	1.0	4	-	-							
	1.9	0.0	43	-						-	-	-	-	-	-	-	-	-													
Bottom	2.8	0.0	43	26.7						26.7	7.9	7.9	23.5	23.6	78.3	78.3	5.5	5.5	5.5	5.5	1.0	3	-	-							
	2.8	0.0	49	26.7						26.7	7.9	7.9	23.6	23.6	78.3	78.3	5.5	5.5													
SR2	Misty	Moderate	07:09	5.0						Surface	1.0	0.4	42	27.0	27.0	7.9	7.9	21.3	21.3	78.7	78.7	5.6	5.6	5.6	0.9	0.6	2	821472	814149		
											1.0	0.4	36	27.0	27.0	7.9	7.9	21.3	21.3	78.6	78.6	5.6	5.6								
					Middle	-	0.4	49	-	-	-	-	-	-	-	-	-	-	5.0	5.0	1.1	2	-	-							
						-	0.4	47	-	-	-	-	-	-	-	-	-	-													
					Bottom	4.0	0.5	62	26.2	26.2	7.9	7.9	25.9	25.9	72.1	72.1	5.0	5.0	5.0	5.0	1.1	4	-	-							
						4.0	0.5	60	26.2	26.2	7.9	7.9	25.9	25.9	72.0	72.1	5.0	5.0													
					SR3	Cloudy	Moderate	07:02	8.4	Surface	1.0	0.5	160	27.5	27.5	7.9	7.9	19.3	19.4	84.9	84.8	6.0	6.0	5.7	2.2	2.0	2			822155	807569
											1.0	0.5	163	27.4	27.5	7.9	7.9	19.4	19.4	84.7	84.8	6.0	6.0								
Middle	4.2	0.5	149	27.0						27.0	7.9	7.9	27.0	27.0	79.1	79.2	5.4	5.4	5.4	5.4	2.3	3	2	-							
	4.2	0.5	153	27.0						27.0	7.9	7.9	27.0	27.0	79.2	79.2	5.4	5.4													
Bottom	7.4	0.5	170	27.0						27.0	7.9	7.9	27.0	27.0	79.6	79.7	5.5	5.5	5.5	5.5	2.4	3	2.3	3							
	7.4	0.5	169	27.0						27.0	7.9	7.9	27.0	27.0	79.7	79.7	5.5	5.5													
SR4A	Cloudy	Moderate	05:15	8.4						Surface	1.0	0.0	84	27.2	27.2	7.8	7.8	28.2	28.2	77.2	77.2	5.2	5.2	5.2	7.9	7.4	10	817198	807804		
											1.0	0.0	86	27.2	27.2	7.8	7.8	28.2	28.2	77.2	77.2	5.2	5.2								
					Middle	4.2	0.0	90	27.0	27.0	7.8	7.8	28.5	28.5	76.4	76.5	5.2	5.2	5.2	4.9	9.1	8	7.2	9							
						4.2	0.0	94	27.0	27.0	7.8	7.8	28.5	28.5	76.5	76.5	5.2	5.2													
					Bottom	7.4	0.0	87	26.1	26.1	7.8	7.8	30.9	30.9	72.6	72.6	4.9	4.9	4.9	4.9	9.1	8	7.3	8							
						7.4	0.0	91	26.1	26.1	7.8	7.8	30.9	30.9	72.6	72.6	4.9	4.9													
					SR8	Misty	Moderate	07:42	4.4	Surface	1.0	-	-	27.1	27.1	8.0	8.0	20.6	20.7	80.0	79.9	5.7	5.7	5.7	1.2	1.1	4			820377	811626
											1.0	-	-	27.0	27.1	8.0	8.0	20.7	20.7	79.8	79.8	5.7	5.7								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	5.7	5.7	1.3	3	-	-							
	-	-	-	-						-	-	-	-	-	-	-	-	-													
Bottom	3.4	-	-	26.7						26.7	7.9	7.9	23.3	23.3	78.1	78.2	5.5	5.5	5.5	5.5	1.3	2	3	-							
	3.4	-	-	26.7						26.7	7.9	7.9	23.3	23.3	78.3	78.3	5.5	5.5													

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 07 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	18:47	8.1	Surface	1.0	0.0	213	26.7	26.7	7.9	7.9	24.6	24.6	83.8	83.8	5.9	5.7	7.8	8.4	9	9	815642	804237
						1.0	0.0	210	26.6		7.9		24.6		83.8		5.9		8.0					
					Middle	4.1	0.1	220	26.2	26.2	7.9	7.9	29.9	29.9	78.7	78.7	5.4	5.4	9.8	5.4	9			
						4.1	0.1	226	26.2		7.9		30.0		78.7		5.4		9					
					Bottom	7.1	0.1	197	26.2	26.2	7.9	7.9	30.3	30.3	79.3	79.3	5.4	5.4	7.7	5.4	9			
						7.1	0.0	203	26.2		7.9		30.3		79.3		5.4		10					
C2	Cloudy	Rough	17:02	11.8	Surface	1.0	0.1	319	27.8	27.8	7.9	7.9	18.8	18.8	84.8	84.8	6.0	5.6	1.9	3.3	5	4	825689	806964
						1.0	0.0	315	27.7		7.9		18.8		84.7		6.0		1.9					
					Middle	5.9	0.0	327	26.9	26.9	7.9	7.9	28.1	28.1	75.4	75.5	5.2	5.0	1.7	5.0	4			
						5.9	-	332	26.9		7.9		28.1		75.5		5.2		1.8					
					Bottom	10.8	0.1	349	26.5	26.5	7.9	7.9	29.3	29.3	73.7	73.8	5.0	5.0	6.4	5.0	2			
						10.8	0.1	351	26.5		7.9		29.3		73.8		5.0		3					
C3	Misty	Moderate	18:34	10.6	Surface	1.0	0.0	76	26.6	26.6	8.0	8.0	24.7	24.8	78.7	78.6	5.5	5.2	1.1	2.4	2	2	822096	817821
						1.0	0.1	74	26.5		8.0		24.8		78.5		5.5		1.1					
					Middle	5.3	0.0	65	25.5	25.5	8.0	8.0	28.7	28.8	69.2	69.2	4.8	4.9	2.3	4.9	3			
						5.3	0.0	58	25.5		8.0		28.8		69.1		4.8		2.4					
					Bottom	9.6	0.1	41	25.4	25.5	8.0	8.0	29.5	29.5	70.3	70.4	4.9	4.9	3.8	4.9	2			
						9.6	0.1	42	25.5		8.0		29.4		70.5		4.9		2					
IM1	Rainy	Rough	18:21	6.3	Surface	1.0	0.0	197	26.7	26.7	7.9	7.9	27.4	27.5	81.4	81.4	5.6	5.4	2.9	6.7	8	9	818354	806481
						1.0	0.0	196	26.6		7.9		27.5		81.4		5.6		3.0					
					Middle	3.2	0.0	203	25.8	25.8	7.9	7.9	31.6	31.7	74.6	74.5	5.1	5.0	7.5	5.0	9			
						3.2	0.0	205	25.8		7.9		31.8		74.4		5.1		7.5					
					Bottom	5.3	0.0	178	25.6	25.7	7.9	7.9	32.5	32.5	74.0	74.1	5.0	5.0	10.0	5.0	10			
						5.3	0.1	178	25.7		7.9		32.5		74.1		5.0		9.3					
IM2	Rainy	Rough	18:14	6.5	Surface	1.0	0.1	185	25.9	25.9	7.9	7.9	29.7	29.8	78.7	78.6	5.4	5.3	4.8	7.7	3	3	819200	806258
						1.0	0.0	183	25.8		7.9		29.9		78.5		5.4		5.5					
					Middle	3.3	0.0	176	25.6	25.6	7.9	7.9	32.8	32.8	74.6	74.7	5.1	5.2	8.2	5.2	3			
						3.3	0.0	170	25.6		7.9		32.8		74.7		5.1		8.9					
					Bottom	5.5	0.1	208	25.6	25.6	8.0	8.0	32.9	32.9	76.1	76.6	5.2	5.2	9.9	5.2	3			
						5.5	0.0	205	25.6		8.0		32.9		77.1		5.2		9.2					
IM7	Cloudy	Rough	17:43	8.4	Surface	1.0	0.0	181	27.2	27.2	7.9	7.9	22.8	22.8	86.6	86.6	6.1	5.8	2.5	5.3	4	4	821326	806843
						1.0	0.0	183	27.1		7.9		22.9		86.6		6.1		2.5					
					Middle	4.2	-	161	26.3	26.3	7.9	7.9	28.6	28.6	79.5	79.4	5.5	5.4	4.0	5.4	4			
						4.2	0.0	157	26.3		7.9		28.6		79.3		5.5		4.2					
					Bottom	7.4	0.0	197	26.0	26.0	7.9	7.9	31.3	31.3	79.5	79.7	5.4	5.4	9.3	5.4	3			
						7.4	0.1	194	26.0		7.9		31.3		79.8		5.4		9.4					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 September 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Moderate	17:00	9.0	Surface	1.0	0.0	285	27.0	27.0	7.9	7.9	19.3	19.3	79.5	79.5	5.7	5.4	1.0	2.0	2	822252	809832			
						1.0	0.0	279	27.0	27.0	7.9	7.9	19.3	19.3	79.4	79.5	5.7	5.4	1.0	2.0	3					
					Middle	4.5	0.1	283	26.4	26.4	7.9	7.9	24.2	24.2	72.9	72.8	5.1	5.1	1.9	2.0	2			3		
						4.5	0.1	277	26.3	26.3	7.9	7.9	24.2	24.2	72.7	72.8	5.1	5.1	1.8	2.0	3					
					Bottom	8.0	0.0	278	25.8	25.8	7.9	7.9	27.5	27.5	71.5	71.7	5.0	5.0	3.1	4.9	3				2	
						8.0	0.0	282	25.8	25.8	7.9	7.9	27.5	27.5	71.8	71.7	5.0	5.0	3.1	4.9	2					
IM11	Misty	Moderate	17:30	7.4	Surface	1.0	0.1	290	26.9	26.9	7.9	7.9	21.2	21.2	77.7	77.7	5.5	5.2	1.6	3.3	4	821492	810568			
						1.0	0.0	284	26.9	26.9	7.9	7.9	21.2	21.2	77.6	77.7	5.5	5.2	1.5	3.3	3					
					Middle	3.7	0.1	307	25.9	25.9	7.9	7.9	26.7	26.8	68.7	68.7	4.8	4.8	3.5	3.3	3			3		
						3.7	0.1	299	25.9	25.9	7.9	7.9	26.8	26.8	68.6	68.7	4.8	4.8	3.5	3.3	3					
					Bottom	6.4	0.1	313	25.8	25.8	7.9	7.9	27.5	27.5	70.1	70.2	4.9	4.9	4.9	4.9	3				3	
						6.4	0.1	312	25.8	25.8	7.9	7.9	27.5	27.5	70.3	70.2	4.9	4.9	5.0	4.9	3					
IM12	Misty	Moderate	17:36	7.6	Surface	1.0	0.1	309	27.0	27.0	7.9	7.9	21.1	21.1	78.9	78.9	5.6	5.3	1.0	1.9	3	821178	811515			
						1.0	0.1	307	27.0	27.0	7.9	7.9	21.1	21.1	78.8	78.9	5.6	5.3	1.1	1.9	4					
					Middle	3.8	0.1	302	26.0	26.1	7.9	7.9	26.4	26.4	71.4	71.4	5.0	5.0	1.7	3	3					
						3.8	0.0	304	26.1	26.1	7.9	7.9	26.3	26.4	71.3	71.4	5.0	5.0	1.7	3	3					
					Bottom	6.6	0.0	322	25.6	25.6	7.9	7.9	28.0	28.0	69.5	69.7	4.9	4.9	2.9	4.9	3			3		
						6.6	0.0	319	25.6	25.6	7.9	7.9	28.0	28.0	69.8	69.7	4.9	4.9	2.9	4.9	2					
SR1A	Misty	Moderate	18:00	4.4	Surface	1.0	0.0	20	26.8	26.8	7.9	7.9	22.0	22.0	79.2	79.1	5.6	5.6	1.1	1.3	3	819975	812657			
						1.0	0.0	13	26.8	26.8	7.9	7.9	22.0	22.0	78.9	79.1	5.6	5.6	1.1	1.3	3					
					Middle	2.2	0.0	5	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
						2.2	0.0	7	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
					Bottom	3.4	0.0	3	26.8	26.8	7.9	7.9	25.0	25.0	73.7	73.9	5.1	5.1	1.4	5.1	2			3		
						3.4	0.0	5	26.8	26.8	7.9	7.9	25.0	25.0	74.0	73.9	5.1	5.1	1.5	5.1	2					
SR2	Misty	Moderate	18:13	5.0	Surface	1.0	0.1	36	26.2	26.2	7.9	7.9	25.7	25.7	74.3	74.2	5.2	5.2	2.1	2.7	3	821469	814160			
						1.0	0.1	40	26.1	26.2	7.9	7.9	25.7	25.7	74.1	74.2	5.2	5.2	2.0	2.7	2					
					Middle	-	0.1	55	-	-	-	-	-	-	-	-	-	-	-	-	-				-	2
						-	0.1	49	-	-	-	-	-	-	-	-	-	-	-	-	-				-	2
					Bottom	4.0	0.1	47	25.9	26.0	7.9	7.9	27.3	27.3	73.7	73.8	5.1	5.1	3.3	5.1	2			3		
						4.0	0.1	40	26.0	26.0	7.9	7.9	27.3	27.3	73.9	73.8	5.1	5.1	3.3	5.1	2					
SR3	Cloudy	Rough	17:34	8.8	Surface	1.0	0.0	357	27.9	27.9	7.9	7.9	20.1	20.1	84.9	84.9	6.0	5.7	2.0	2.6	4	822153	807578			
						1.0	0.0	356	27.9	27.9	7.9	7.9	20.1	20.1	84.9	84.9	6.0	5.7	2.0	2.6	3					
					Middle	4.4	0.0	353	27.1	27.1	7.9	7.9	26.9	26.9	78.8	78.8	5.4	5.4	2.4	5.4	2				3	
						4.4	0.1	350	27.1	27.1	7.9	7.9	26.8	26.9	78.8	78.8	5.4	5.4	2.4	5.4	3					
					Bottom	7.8	0.0	334	26.9	26.9	7.9	7.9	27.8	27.8	79.1	79.2	5.4	5.4	3.3	5.4	3			3		
						7.8	0.0	326	26.9	26.9	7.9	7.9	27.8	27.8	79.3	79.2	5.4	5.4	3.3	5.4	2					
SR4A	Rainy	Moderate	19:14	8.4	Surface	1.0	0.0	313	27.1	27.1	7.9	7.9	26.9	26.9	81.7	81.7	5.6	5.4	5.6	7.0	9	817187	807821			
						1.0	0.0	309	27.1	27.1	7.9	7.9	26.9	26.9	81.6	81.7	5.6	5.4	5.7	7.0	8					
					Middle	4.2	0.0	287	26.7	26.7	7.9	7.9	28.9	28.9	76.4	76.5	5.2	5.2	7.0	5.0	9				9	
						4.2	0.1	282	26.6	26.6	7.9	7.9	28.9	28.9	76.6	76.5	5.2	5.2	7.2	5.0	9					
					Bottom	7.4	0.0	307	26.3	26.3	7.9	7.9	30.3	30.3	73.2	73.3	5.0	5.0	8.3	4.9	10			3		
						7.4	0.0	303	26.3	26.3	7.9	7.9	30.3	30.3	73.3	73.3	5.0	5.0	8.5	4.9	10					
SR8	Misty	Moderate	17:41	5.0	Surface	1.0	-	-	27.0	27.0	7.9	7.9	19.8	19.7	81.0	81.0	5.8	5.8	0.7	0.9	4	820410	811630			
						1.0	-	-	27.0	27.0	7.9	7.9	19.7	19.7	80.9	81.0	5.8	5.8	0.7	0.9	2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3
					Bottom	4.0	-	-	26.1	26.1	7.9	7.9	26.4	26.4	70.3	70.2	4.9	4.9	1.1	4.9	1.1			2	2	
						4.0	-	-	26.1	26.1	7.9	7.9	26.4	26.4	70.0	70.0	4.9	4.9	1.1	4.9	1.1			2		

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 09 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	08:31	8.0	Surface	1.0	0.4	216	26.1	26.1	7.9	7.9	20.3	20.2	76.9	77.0	5.6	5.5	2.5	5	5	815599	804262	
						1.0	0.4	218	26.1	7.9	7.9	20.1	20.2	77.0	77.0	5.6								
					Middle	4.0	0.3	201	25.7	25.7	8.0	8.0	25.0	25.0	76.6	76.7	5.4							
						4.0	0.4	196	25.7	25.7	8.0	8.0	25.0	25.0	76.7	76.7	5.4							
					Bottom	7.0	0.4	234	25.7	25.7	8.0	8.0	25.3	25.3	77.0	77.1	5.5							
						7.0	0.4	230	25.7	25.7	8.0	8.0	25.3	25.3	77.1	77.1	5.5							
C2	Rainy	Rough	10:22	11.5	Surface	1.0	0.6	178	27.0	27.0	7.7	7.7	11.6	11.6	66.7	66.8	5.0	4.7	4.7	5	825697	806963		
						1.0	0.6	178	27.0	27.0	7.7	7.7	11.6	11.6	66.8	66.8	5.0							
					Middle	5.8	0.6	161	25.8	25.8	7.9	7.9	26.3	26.3	63.3	63.2	4.5							
						5.8	0.7	154	25.7	25.7	7.9	7.9	26.3	26.3	63.1	63.1	4.4							
					Bottom	10.5	0.7	184	25.6	25.6	7.9	7.9	28.3	28.2	62.6	62.7	4.4							
						10.5	0.7	185	25.6	25.6	7.9	7.9	28.2	28.2	62.7	62.7	4.4							
C3	Rainy	Moderate	08:35	10.0	Surface	1.0	0.3	70	26.7	26.7	7.9	7.8	25.9	25.9	84.5	84.5	5.9	5.5	1.5	4	822117	817784		
						1.0	0.3	73	26.7	26.7	7.8	7.8	25.9	25.9	84.4	84.4	5.9							
					Middle	5.0	0.4	66	26.5	26.5	7.8	7.8	28.9	28.9	75.4	75.4	5.2							
						5.0	0.3	68	26.5	26.5	7.8	7.8	28.9	28.9	75.3	75.3	5.1							
					Bottom	9.0	0.3	101	26.2	26.2	7.8	7.8	30.6	30.6	71.0	71.0	4.8							
						9.0	0.3	103	26.2	26.2	7.8	7.8	30.6	30.6	71.0	71.0	4.8							
IM1	Rainy	Moderate	08:58	6.2	Surface	1.0	0.3	203	25.8	25.8	8.0	8.0	26.2	26.2	75.8	75.7	5.3	5.1	4.0	6	818369	806449		
						1.0	0.3	208	25.8	25.8	8.0	8.0	26.2	26.2	75.5	75.5	5.3							
					Middle	3.1	0.3	185	25.5	25.5	8.0	8.0	27.4	27.4	70.6	70.6	5.0							
						3.1	0.3	178	25.5	25.5	8.0	8.0	27.4	27.4	70.5	70.5	4.9							
					Bottom	5.2	0.3	173	25.2	25.2	7.9	7.9	29.5	29.5	63.0	63.1	4.4							
						5.2	0.3	174	25.2	25.2	7.9	7.9	29.5	29.5	63.2	63.1	4.4							
IM2	Rainy	Moderate	09:03	6.7	Surface	1.0	0.5	215	25.9	25.9	7.9	7.9	23.1	23.1	75.3	75.3	5.4	5.4	2.4	5	819190	806228		
						1.0	0.5	208	25.9	25.9	7.9	7.9	23.1	23.1	75.3	75.3	5.4							
					Middle	3.4	0.4	208	25.7	25.8	8.0	8.0	26.6	26.6	75.9	75.9	5.3							
						3.4	0.4	212	25.8	25.8	8.0	8.0	26.6	26.6	75.9	75.9	5.3							
					Bottom	5.7	0.4	212	25.2	25.2	7.9	7.9	28.9	28.9	69.4	69.4	4.9							
						5.7	0.5	218	25.2	25.2	7.9	7.9	29.0	28.9	69.4	69.4	4.9							
IM7	Rainy	Moderate	09:42	7.1	Surface	1.0	0.3	210	26.7	26.7	7.8	7.8	9.6	9.6	77.6	77.6	5.9	5.6	3.6	5	821346	806839		
						1.0	0.3	205	26.7	26.7	7.8	7.8	9.6	9.6	77.6	77.6	5.9							
					Middle	3.6	0.3	206	26.5	26.5	7.9	7.9	18.6	18.6	71.0	71.0	5.2							
						3.6	0.3	201	26.5	26.5	7.9	7.9	18.5	18.6	71.0	71.0	5.2							
					Bottom	6.1	0.3	190	25.3	25.3	7.9	7.9	28.6	28.6	66.9	67.0	4.7							
						6.1	0.3	183	25.3	25.3	7.9	7.9	28.6	28.6	67.1	67.0	4.7							

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 09 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Rainy	Moderate	10:30	9.6	Surface	1.0	0.4	117	27.2	27.2	7.8	7.8	17.1	17.1	77.6	77.6	5.6	5.5	3.5	4.0	3	4	822263	809829
						1.0	0.4	118	27.2		7.8	7.8	17.1	17.1	77.6	77.6	5.7		3.4					
					Middle	4.8	0.3	130	26.9	26.9	7.8	7.8	24.0	24.0	75.6	75.6	5.3	5.3	3.4					
						4.8	0.3	134	26.9		7.8	7.8	24.0	24.0	75.6	75.6	5.3	3.4						
					Bottom	8.6	0.4	121	26.2	26.2	7.8	7.8	29.3	29.3	72.3	72.3	5.0	5.0	5.2					
						8.6	0.4	117	26.2		7.8	7.8	29.3	29.3	72.3	72.3	5.0	5.0	5.1	4				
IM11	Rainy	Moderate	10:23	7.4	Surface	1.0	0.3	100	27.2	27.2	7.8	7.8	13.6	13.9	83.8	83.8	6.2	5.8	3.2	3.7	4	4	821516	810534
						1.0	0.2	98	27.2		7.8	7.8	14.2	14.2	83.8	83.8	6.1		3.1					
					Middle	3.7	0.3	87	26.9	26.9	7.8	7.8	22.9	22.9	77.0	77.0	5.4	5.4	3.5					
						3.7	0.3	83	26.9		7.8	7.8	22.9	22.9	77.0	77.0	5.4	3.5						
					Bottom	6.4	0.3	80	26.5	26.5	7.8	7.8	27.4	27.4	74.3	74.4	5.1	5.1	4.6					
						6.4	0.3	80	26.5		7.8	7.8	27.4	27.4	74.4	74.4	5.1	5.1	4.6	4				
IM12	Rainy	Moderate	10:17	8.0	Surface	1.0	0.4	113	27.2	27.2	7.8	7.8	17.6	17.6	78.2	78.2	5.6	5.5	2.5	3.2	3	4	821160	811525
						1.0	0.4	113	27.2		7.8	7.8	17.6	17.6	78.2	78.2	5.6		2.5					
					Middle	4.0	0.4	109	26.9	26.9	7.8	7.8	22.9	22.9	76.8	76.8	5.4	5.4	3.0					
						4.0	0.4	102	26.9		7.8	7.8	22.9	22.9	76.7	76.8	5.4	3.0						
					Bottom	7.0	0.3	118	26.4	26.4	7.8	7.8	29.0	29.0	65.3	65.4	4.5	4.5	4.1					
						7.0	0.3	115	26.4		7.8	7.8	29.0	29.0	65.4	65.4	4.5	4.5	4.1	5				
SR1A	Rainy	Moderate	09:18	5.4	Surface	1.0	0.0	70	26.9	26.9	7.8	7.8	20.3	20.3	82.9	82.9	5.9	5.9	2.7	3.3	3	4	819971	812660
						1.0	0.0	66	26.9		7.8	7.8	20.3	20.3	82.9	82.9	5.9		2.7					
					Middle	2.7	0.0	65	-	-	-	-	-	-	-	-	-	-	-					
						2.7	-	64	-		-	-	-	-	-	-	-	-	-					
					Bottom	4.4	0.0	79	26.6	26.6	7.8	7.8	27.8	27.8	75.6	75.7	5.2	5.2	4.0					
						4.4	0.0	84	26.6		7.8	7.8	27.8	27.8	75.7	75.7	5.2	5.2	4.0	4				
SR2	Rainy	Moderate	09:04	5.2	Surface	1.0	0.5	37	27.1	27.1	7.9	7.9	14.0	14.0	83.2	83.2	6.1	6.1	3.4	3.9	4	4	821475	814153
						1.0	0.4	42	27.1		7.9	7.9	14.0	14.0	83.2	83.2	6.1		3.3					
					Middle	-	0.5	53	-	-	-	-	-	-	-	-	-	-	-					
						-	0.5	49	-		-	-	-	-	-	-	-	-	-					
					Bottom	4.2	0.4	50	26.8	26.9	7.9	7.9	25.1	25.1	84.6	84.7	5.9	5.9	4.6					
						4.2	0.4	48	26.9		7.9	7.9	25.1	25.1	84.8	84.7	5.9	5.9	4.6	4				
SR3	Rainy	Rough	09:52	8.4	Surface	1.0	0.6	153	26.8	26.8	7.8	7.8	9.4	9.4	73.7	73.6	5.6	5.3	3.6	5.5	5	4	822159	807568
						1.0	0.6	154	26.8		7.8	7.8	9.4	9.4	73.5	73.6	5.6		3.5					
					Middle	4.2	0.5	151	26.6	26.6	7.8	7.8	21.3	21.4	69.7	69.7	5.0	5.0	1.8					
						4.2	0.6	148	26.6		7.8	7.8	21.4	21.4	69.7	69.7	5.0	1.8						
					Bottom	7.4	0.5	140	26.2	26.2	7.8	7.8	23.6	23.6	69.3	69.4	4.9	4.9	11.0					
						7.4	0.5	143	26.2		7.8	7.8	23.6	23.6	69.4	69.4	4.9	4.9	11.3	4				
SR4A	Rainy	Moderate	08:00	8.6	Surface	1.0	0.0	90	25.4	25.4	8.0	8.0	23.2	23.2	76.7	76.5	5.5	5.1	2.4	4.0	4	4	817196	807807
						1.0	0.1	91	25.3		8.0	8.0	23.2	23.2	76.2	76.2	5.5		2.6					
					Middle	4.3	0.0	84	25.2	25.2	8.0	8.0	29.0	29.0	66.2	66.2	4.6	4.6	4.1					
						4.3	0.0	84	25.2		8.0	8.0	29.0	29.0	66.1	66.1	4.6	4.6	4.2					
					Bottom	7.6	0.0	76	25.2	25.2	8.0	8.0	29.4	29.4	66.0	66.1	4.6	4.6	5.2					
						7.6	0.0	71	25.2		8.0	8.0	29.4	29.4	66.1	66.1	4.6	4.6	5.4	4				
SR8	Rainy	Moderate	10:09	5.6	Surface	1.0	-	-	27.3	27.3	7.8	7.8	13.9	13.9	85.7	85.7	6.3	6.3	1.2	1.9	3	4	820408	811645
						1.0	-	-	27.3		7.8	7.8	13.9	13.9	85.7	85.7	6.3		1.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-		-	-	-	-	-	-	-	-	-					
					Bottom	4.6	-	-	26.8	26.8	7.8	7.8	23.7	23.7	81.7	81.8	5.7	5.7	2.6					
						4.6	-	-	26.8		7.8	7.8	23.7	23.7	81.8	81.8	5.7	5.7	2.5	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 09 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Cloudy	Moderate	21:44	8.5	Surface	1.0	0.0	78	25.9	25.9	7.9	7.9	23.5	23.6	73.2	73.2	5.2	4.9	1.9	4.7	4	4	815620	804241	
						1.0	0.0	72	25.9	7.9	7.9	23.6	23.6	73.1	73.2	5.2	4.9	1.9	4.7	4					
					Middle	4.3	-	84	25.3	25.3	7.9	7.9	28.3	28.3	66.3	66.3	4.6	4.6	5.9	4.7	4				4
						4.3	0.0	84	25.3	25.3	7.9	7.9	28.3	28.3	66.2	66.3	4.6	4.6	6.1	4.7	3				4
					Bottom	7.5	0.0	52	25.2	25.2	7.9	7.9	29.0	29.0	65.4	65.4	4.6	4.6	6.5	4.6	4				4
						7.5	0.0	55	25.2	25.2	7.9	7.9	29.0	29.0	65.4	65.4	4.6	4.6	6.1	4.6	6				4
C2	Cloudy	Rough	20:05	11.7	Surface	1.0	0.2	350	26.9	26.9	7.8	7.8	9.5	9.5	66.8	66.8	5.1	4.8	5.4	4.7	8	7	825669	806952	
						1.0	0.1	348	26.8	26.9	7.8	7.8	9.5	9.5	66.7	66.8	5.1	4.8	5.1	4.7	9				
					Middle	5.9	0.2	335	25.9	25.9	7.9	7.9	25.2	25.2	64.1	64.1	4.5	4.4	2.8	4.4	7				7
						5.9	0.2	335	25.9	25.9	7.9	7.9	25.2	25.2	64.0	64.1	4.5	4.4	2.9	4.4	6				7
					Bottom	10.7	0.2	341	25.6	25.6	7.9	7.9	28.2	28.2	63.1	63.3	4.4	4.4	5.9	4.4	6				7
						10.7	0.2	337	25.6	25.6	7.9	7.9	28.3	28.2	63.4	63.3	4.4	4.4	5.8	4.4	7				7
C3	Rainy	Moderate	21:40	10.2	Surface	1.0	0.0	84	27.1	27.1	7.8	7.8	20.6	20.6	75.8	75.8	5.4	5.4	1.7	2.6	5	5	822105	817809	
						1.0	0.0	79	27.1	27.1	7.8	7.8	20.6	20.6	75.8	75.8	5.4	5.4	1.6	2.6	4				
					Middle	5.1	0.0	95	26.8	26.8	7.8	7.8	24.4	24.4	76.3	76.3	5.3	5.2	3.0	2.6	5				5
						5.1	0.1	102	26.8	26.8	7.8	7.8	24.4	24.4	76.3	76.3	5.3	5.2	2.9	2.6	4				5
					Bottom	9.2	0.1	60	26.6	26.6	7.8	7.8	26.7	26.6	75.5	75.6	5.2	5.2	3.3	4.1	4				5
						9.2	0.0	65	26.6	26.6	7.8	7.8	26.6	26.6	75.6	75.6	5.2	5.2	3.3	4.1	5				5
IM1	Cloudy	Moderate	21:16	6.5	Surface	1.0	0.1	33	25.8	25.8	8.0	8.0	24.7	24.8	83.6	83.6	5.9	5.2	1.2	3.6	4	4	818363	806455	
						1.0	0.1	34	25.8	25.8	8.0	8.0	24.8	24.8	83.5	83.6	5.9	5.2	1.2	3.6	5				
					Middle	3.3	0.0	51	25.3	25.3	7.9	7.9	28.8	28.8	64.6	64.6	4.5	4.0	3.4	4.0	4				4
						3.3	0.1	52	25.3	25.3	7.9	7.9	28.8	28.8	64.6	64.6	4.5	4.0	3.4	4.0	4				4
					Bottom	5.5	0.0	64	25.1	25.1	7.9	7.9	29.9	29.9	57.9	58.0	4.0	4.0	6.2	4.1	3				4
						5.5	0.0	62	25.1	25.1	7.9	7.9	29.9	29.9	58.0	58.0	4.0	4.0	6.3	4.1	4				4
IM2	Cloudy	Moderate	21:09	7.2	Surface	1.0	0.1	29	25.7	25.7	8.0	8.0	25.3	25.3	79.8	79.8	5.6	5.4	1.4	4.0	5	5	819164	806225	
						1.0	0.1	27	25.7	25.7	8.0	8.0	25.3	25.3	79.7	79.8	5.6	5.4	1.4	4.0	4				
					Middle	3.6	0.0	47	25.5	25.5	7.9	7.9	27.3	27.3	72.4	72.4	5.1	4.1	1.9	4.0	5				5
						3.6	0.0	43	25.5	25.5	7.9	7.9	27.3	27.3	72.3	72.4	5.1	4.1	2.0	4.0	3				5
					Bottom	6.2	0.0	24	25.1	25.1	7.9	7.9	30.0	30.0	58.1	58.2	4.1	4.1	8.3	4.1	5				6
						6.2	0.0	28	25.1	25.1	7.9	7.9	30.0	30.0	58.3	58.2	4.1	4.1	8.8	4.1	6				6
IM7	Cloudy	Rough	20:41	8.2	Surface	1.0	0.1	51	26.8	26.8	7.8	7.8	9.5	9.5	76.0	76.0	5.8	5.3	4.2	7.7	8	7	821353	806842	
						1.0	0.1	47	26.8	26.8	7.8	7.8	9.5	9.5	75.9	76.0	5.8	5.3	4.2	7.7	4				
					Middle	4.1	0.1	24	26.3	26.3	7.9	7.9	22.5	22.5	68.0	68.0	4.8	4.7	6.9	4.7	10				7
						4.1	0.1	22	26.3	26.3	7.9	7.9	22.5	22.5	68.0	68.0	4.8	4.7	7.0	4.7	10				7
					Bottom	7.2	0.0	51	25.7	25.7	7.9	7.9	26.5	26.6	66.2	66.3	4.6	4.7	11.9	4.7	5				7
						7.2	0.0	49	25.7	25.7	7.9	7.9	26.7	26.6	66.3	66.3	4.7	4.7	11.8	4.7	5				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 09 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Rainy	Moderate	20:05	8.6	Surface	1.0	0.1	317	27.2	27.2	7.8	7.8	12.4	12.5	77.1	77.1	5.7	5.5	2.1	3.6	5	4	822250	809822
						1.0	0.1	315	27.2		7.8	7.8	12.6	12.5	77.0	77.1	5.7	5.5	2.1					
					Middle	4.3	0.2	314	26.8	26.8	7.8	7.8	24.3	24.3	75.2	75.2	5.3	5.3	3.5	4.8	4			
						4.3	0.1	320	26.8		7.8	7.8	24.3	24.3	75.2	75.2	5.3	5.3	3.5					
					Bottom	7.6	0.2	328	26.2	26.2	7.8	7.8	29.4	29.4	70.3	70.3	4.8	4.8	5.1	4.8	4			
						7.6	0.2	330	26.2		7.8	7.8	29.4	29.4	70.3	70.3	4.8	4.8	5.1					
IM11	Rainy	Moderate	20:35	7.6	Surface	1.0	0.1	301	27.1	27.1	7.8	7.8	18.4	18.4	76.6	76.6	5.5	5.4	3.1	3.5	3	3	821486	810523
						1.0	0.1	302	27.1		7.8	7.8	18.4	18.4	76.6	76.6	5.5	5.4	3.2					
					Middle	3.8	0.1	310	26.7	26.7	7.8	7.8	25.1	25.1	76.5	76.5	5.3	5.3	3.2	4.9	4			
						3.8	0.1	302	26.7		7.8	7.8	25.1	25.1	76.4	76.5	5.3	5.3	3.2					
					Bottom	6.6	0.1	314	26.3	26.3	7.8	7.8	28.7	28.7	73.6	73.7	5.1	5.1	4.1	5.1	3			
						6.6	0.1	307	26.3		7.8	7.8	28.7	28.7	73.7	73.7	5.1	5.1	4.2					
IM12	Rainy	Moderate	20:41	7.6	Surface	1.0	0.0	295	27.0	27.0	7.8	7.8	20.3	20.3	74.7	74.8	5.3	5.3	3.0	3.5	4	4	821156	811534
						1.0	0.0	298	27.0		7.8	7.8	20.2	20.3	74.8	74.8	5.3	5.3	2.9					
					Middle	3.8	0.0	311	26.8	26.8	7.8	7.8	24.7	24.7	75.7	75.7	5.3	5.3	3.3	4.9	4			
						3.8	0.1	314	26.8		7.8	7.8	24.7	24.7	75.7	75.7	5.3	5.3	3.3					
					Bottom	6.6	0.0	285	26.3	26.3	7.8	7.8	28.9	28.9	71.7	71.7	4.9	4.9	4.4	4.9	5			
						6.6	0.1	280	26.3		7.8	7.8	28.9	28.9	71.7	71.7	4.9	4.9	4.4					
SR1A	Rainy	Moderate	21:05	4.2	Surface	1.0	0.0	204	27.0	27.0	7.8	7.8	17.9	17.9	84.7	84.7	6.1	6.1	2.7	6.1	4	4	819982	812660
						1.0	-	200	27.0		7.8	7.8	17.9	17.9	84.7	84.7	6.1	6.1	2.7					
					Middle	2.1	0.0	208	-	-	-	-	-	-	-	-	-	-	-	6.0	3			
						2.1	0.1	210	-		-	-	-	-	-	-	-	-	3.2					
					Bottom	3.2	0.0	214	26.8	26.8	7.9	7.9	22.7	22.7	84.5	84.6	6.0	6.0	3.3	6.0	4			
						3.2	0.1	212	26.8		7.9	7.9	22.7	22.7	84.7	84.6	6.0	6.0	3.3					
SR2	Rainy	Moderate	21:18	5.0	Surface	1.0	0.0	234	27.1	27.1	7.8	7.8	20.3	20.3	75.6	75.7	5.4	5.4	2.8	5.4	3	4	821458	814169
						1.0	0.0	236	27.1		7.8	7.8	20.3	20.3	75.7	75.7	5.4	5.4	2.8					
					Middle	-	0.0	240	-	-	-	-	-	-	-	-	-	-	-	5.3	4			
						-	0.1	245	-		-	-	-	-	-	-	-	-	3.0					
					Bottom	4.0	0.0	232	26.7	26.7	7.8	7.8	25.9	25.9	76.6	76.6	5.3	5.3	3.0	5.3	4			
						4.0	0.1	227	26.7		7.8	7.8	25.9	25.9	76.6	76.6	5.3	5.3	3.0					
SR3	Cloudy	Rough	20:34	8.4	Surface	1.0	0.1	3	26.9	26.9	7.8	7.8	11.6	11.6	69.0	69.0	5.2	5.1	4.5	5.1	4	5	822127	807568
						1.0	0.1	7	26.9		7.8	7.8	11.6	11.6	69.0	69.0	5.2	5.1	4.5					
					Middle	4.2	0.1	16	26.3	26.3	7.9	7.9	21.6	21.6	68.7	68.7	4.9	4.9	1.9	4.8	4			
						4.2	0.1	11	26.3		7.9	7.9	21.6	21.6	68.7	68.7	4.9	4.9	1.9					
					Bottom	7.4	0.1	353	26.1	26.1	7.9	7.9	22.6	22.6	67.4	67.4	4.8	4.8	4.3	4.8	6			
						7.4	0.1	359	26.0		7.9	7.9	22.6	22.6	67.4	67.4	4.8	4.8	4.9					
SR4A	Cloudy	Moderate	22:10	8.4	Surface	1.0	0.0	269	26.0	26.0	7.9	7.9	23.5	23.5	76.9	76.9	5.5	5.1	4.1	5.1	5	7	817199	807829
						1.0	0.0	274	26.0		7.9	7.9	23.5	23.5	76.8	76.9	5.5	5.1	4.0					
					Middle	4.2	-	267	25.4	25.4	7.9	7.9	27.8	27.8	65.9	65.9	4.6	4.6	5.5	4.6	5			
						4.2	0.0	265	25.4		7.9	7.9	27.8	27.8	65.9	65.9	4.6	4.6	5.5					
					Bottom	7.4	0.0	246	25.4	25.4	7.9	7.9	28.2	28.2	66.0	66.1	4.6	4.6	6.5	4.6	10			
						7.4	0.1	250	25.4		7.9	7.9	28.2	28.2	66.1	66.1	4.6	4.6	6.5					
SR8	Rainy	Moderate	20:46	5.0	Surface	1.0	-	-	27.1	27.1	7.8	7.8	19.8	19.8	76.5	76.5	5.4	5.5	3.9	5.5	4	4	820385	811600
						1.0	-	-	27.1		7.8	7.8	19.8	19.8	76.5	76.5	5.4	5.5	3.9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	4			
						-	-	-	-		-	-	-	-	-	-	-	-	3					
					Bottom	4.0	-	-	26.6	26.6	7.8	7.8	26.2	26.2	76.9	76.8	5.3	5.3	4.0	5.3	4			
						4.0	-	-	26.6		7.8	7.8	26.2	26.2	76.6	76.8	5.3	5.3	4.0					

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 bold and underlined

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	11:07	8.4	Surface	1.0	0.5	224	21.2	21.2	8.0	8.0	24.0	24.1	77.8	77.8	6.0	6.0	6.0	7.7	5.5	4	815609	804228
						1.0	0.5	229	21.2		8.0	8.0	24.1	24.1	77.7	77.7	6.0	6.0						
					Middle	4.2	0.5	221	21.0	21.0	8.0	8.0	24.7	24.6	75.9	75.9	5.9	5.9	5.9	5.9	8.4	4		
						4.2	0.5	224	21.0		8.0	8.0	24.6	24.6	75.8	75.8	5.9	5.9						
					Bottom	7.4	0.4	198	21.0	21.0	8.0	8.0	23.6	23.5	75.7	75.8	5.9	5.9	5.9	5.9	8.9	4		
						7.4	0.4	204	21.0		8.0	8.0	23.4	23.5	75.8	75.8	5.9	5.9						
C2	Cloudy	Moderate	13:01	11.5	Surface	1.0	0.6	162	22.1	22.1	7.8	7.8	18.4	18.4	74.6	74.7	5.9	5.9	5.4	6.0	2.2	3	825700	806953
						1.0	0.6	159	22.1		7.8	7.8	18.4	18.4	74.7	74.7	5.9	5.9						
					Middle	5.8	0.6	162	21.2	21.2	7.9	7.9	28.7	28.7	65.8	65.8	4.9	4.9	4.9	4.7	6.2	3		
						5.8	0.6	164	21.2		7.9	7.9	28.7	28.7	65.8	65.8	4.9	4.9						
					Bottom	10.5	0.6	162	21.0	21.0	7.9	7.9	30.6	30.6	63.0	63.1	4.7	4.7	4.7	4.7	9.2	4		
						10.5	0.5	159	21.0		7.9	7.9	30.6	30.6	63.1	63.1	4.7	4.7						
C3	Fine	Moderate	10:15	9.8	Surface	1.0	0.3	78	26.8	26.8	7.8	7.8	25.7	25.6	76.8	76.8	5.3	5.3	5.2	2.6	2.0	4	822107	817814
						1.0	0.3	78	26.8		7.8	7.8	25.6	25.6	76.8	76.8	5.3	5.3						
					Middle	4.9	0.3	90	26.4	26.4	7.8	7.8	27.9	27.9	72.3	72.3	5.0	5.0	5.0	4.9	2.7	4		
						4.9	0.4	86	26.4		7.8	7.8	27.9	27.9	72.2	72.2	5.0	5.0						
					Bottom	8.8	0.4	56	26.2	26.2	7.8	7.8	29.9	29.9	70.8	70.9	4.8	4.8	4.8	4.9	3.1	3		
						8.8	0.3	62	26.2		7.8	7.8	30.0	29.9	71.0	70.9	4.9	4.9						
IM1	Cloudy	Moderate	11:36	6.8	Surface	1.0	0.3	193	21.7	21.7	8.0	8.0	25.5	25.5	78.6	78.6	6.0	6.0	5.9	6.3	3.4	3	818361	806465
						1.0	0.3	189	21.7		8.0	8.0	25.5	25.5	78.5	78.5	6.0	6.0						
					Middle	3.4	0.3	180	21.1	21.1	8.0	8.0	26.6	26.6	75.1	75.1	5.7	5.7	5.7	5.6	4.2	4		
						3.4	0.3	182	21.1		8.0	8.0	26.6	26.6	75.0	75.0	5.7	5.7						
					Bottom	5.8	0.3	188	21.0	21.0	8.0	8.0	26.6	26.6	73.7	73.7	5.6	5.6	5.6	5.6	11.7	3		
						5.8	0.3	189	21.0		8.0	8.0	26.5	26.6	73.7	73.7	5.6	5.6						
IM2	Cloudy	Moderate	11:42	6.8	Surface	1.0	0.4	211	21.0	21.0	8.0	8.0	30.6	30.6	75.5	75.5	5.6	5.6	5.6	9.2	7.5	3	819193	806217
						1.0	0.4	211	21.0		8.0	8.0	30.6	30.6	75.5	75.5	5.6	5.6						
					Middle	3.4	0.4	222	20.9	20.9	8.0	8.0	30.9	30.9	75.5	75.5	5.6	5.6	5.6	5.6	9.2	3		
						3.4	0.5	217	20.9		8.0	8.0	30.9	30.9	75.5	75.5	5.6	5.6						
					Bottom	5.8	0.4	185	20.9	20.9	8.0	8.0	31.1	31.1	75.4	75.5	5.6	5.6	5.6	5.6	10.9	4		
						5.8	0.5	184	20.9		8.0	8.0	31.1	31.1	75.5	75.5	5.6	5.6						
IM7	Cloudy	Moderate	12:20	8.6	Surface	1.0	0.2	210	22.0	22.0	7.9	7.9	22.2	22.2	82.9	82.9	6.4	6.4	6.0	4.0	2.0	2	821372	806829
						1.0	0.2	213	22.0		7.9	7.9	22.2	22.2	82.8	82.8	6.4	6.4						
					Middle	4.3	0.2	211	21.2	21.2	7.9	7.9	27.1	27.1	73.2	73.3	5.6	5.6	5.6	5.5	4.5	3		
						4.3	0.2	203	21.2		7.9	7.9	27.2	27.1	73.3	73.3	5.6	5.6						
					Bottom	7.6	0.2	200	21.0	21.1	8.0	8.0	30.0	30.0	73.5	73.4	5.5	5.5	5.5	5.5	5.6	3		
						7.6	0.2	198	21.1		8.0	8.0	30.0	30.0	73.2	73.4	5.5	5.5						

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Cloudy	Moderate	11:56	8.8	Surface	1.0	0.4	123	27.2	27.2	7.8	7.8	22.5	22.5	80.2	80.2	5.6	5.6	1.1	1.4	3	3	822224	809860
						1.0	0.4	119	27.2		7.8	7.8	22.5	22.5	80.1	80.2	5.6		1.1		3			
					Middle	4.4	0.4	111	26.9	26.9	7.9	7.9	23.9	23.9	78.7	78.8	5.5	5.7	1.4	3				
						4.4	0.4	110	26.9		7.9	7.9	23.9	23.9	78.8	78.8	5.5		1.5	3				
					Bottom	7.8	0.4	145	26.9	26.9	7.8	7.8	23.9	23.9	81.2	81.3	5.7	5.7	1.6	4				
						7.8	0.5	139	26.9		7.8	7.8	23.9	23.9	81.3	81.3	5.7		1.6	4				
IM11	Cloudy	Moderate	11:50	9.4	Surface	1.0	0.4	85	27.4	27.4	7.9	7.9	21.8	21.8	84.6	84.6	5.9	5.5	4.0	4.5	4	3	821478	810543
						1.0	0.5	81	27.3		7.9	7.9	21.8	21.8	84.5	84.6	5.9		3.9		3			
					Middle	4.7	0.4	118	26.5	26.5	7.9	7.9	26.8	26.8	73.5	73.6	5.1	5.1	4.4	3				
						4.7	0.5	111	26.5		7.9	7.9	26.9	26.9	73.6	73.6	5.1		4.4	3				
					Bottom	8.4	0.4	119	26.6	26.6	7.9	7.9	26.9	26.9	74.4	74.5	5.1	5.1	5.0	3				
						8.4	0.4	115	26.6		7.9	7.9	26.8	26.9	74.5	74.5	5.1		5.1	2				
IM12	Cloudy	Moderate	11:44	8.8	Surface	1.0	0.5	116	27.3	27.3	7.9	7.9	22.1	22.1	87.6	87.6	6.1	6.0	1.7	3.2	3	3	821183	811498
						1.0	0.5	120	27.2		7.9	7.9	22.1	22.1	87.5	87.6	6.1		1.7		2			
					Middle	4.4	0.5	108	26.9	26.9	7.9	7.9	22.5	22.5	82.5	82.5	5.8	5.2	3.7	4				
						4.4	0.5	103	26.8		7.9	7.9	22.5	22.5	82.4	82.4	5.8		3.7	3				
					Bottom	7.8	0.5	85	26.8	26.9	7.9	7.9	26.6	26.6	74.8	75.0	5.2	5.2	4.1	3				
						7.8	0.5	88	26.9		7.9	7.9	26.6	26.6	75.1	75.0	5.2		4.1	4				
SR1A	Fine	Moderate	11:03	4.0	Surface	1.0	0.0	86	27.2	27.2	7.9	7.9	23.7	23.7	80.9	80.9	5.6	5.6	2.2	2.9	2	3	819980	812663
						1.0	0.1	86	27.2		7.9	7.9	23.7	23.7	80.9	80.9	5.6		2.2		3			
					Middle	2.0	0.0	72	-	-	-	-	-	-	-	-	-	-	-	-				
						2.0	0.1	74	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.0	0.0	73	27.0	27.1	7.9	7.9	24.2	24.2	81.7	81.8	5.7	5.7	3.7	2				
						3.0	0.0	69	27.1		7.9	7.9	24.2	24.2	81.8	81.8	5.7		3.7	4				
SR2	Fine	Moderate	10:46	5.0	Surface	1.0	0.5	44	27.1	27.1	7.9	7.9	23.3	23.3	76.1	76.1	5.3	5.3	2.0	2.4	3	3	821453	814153
						1.0	0.4	39	27.1		7.9	7.9	23.3	23.3	76.0	76.0	5.3		2.1		3			
					Middle	-	0.5	49	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.5	52	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	0.4	31	26.7	26.7	7.9	7.9	24.8	24.8	72.1	72.1	5.0	5.0	2.7	3				
						4.0	0.4	26	26.7		7.9	7.9	24.8	24.8	72.1	72.1	5.0		2.7	2				
SR3	Cloudy	Moderate	12:26	8.9	Surface	1.0	0.4	173	22.0	22.0	7.8	7.8	21.7	21.7	81.5	81.5	6.3	6.0	2.7	5.4	3	2	822138	807562
						1.0	0.5	171	21.9		7.8	7.8	21.7	21.7	81.4	81.4	6.3		2.8		2			
					Middle	4.5	0.5	184	21.2	21.2	7.9	7.9	25.8	25.8	73.9	73.9	5.7	5.7	6.1	3				
						4.5	0.5	189	21.2		7.9	7.9	25.9	25.9	73.9	73.9	5.7		6.3	2				
					Bottom	7.9	0.5	142	21.0	21.1	7.9	7.9	30.0	30.0	74.3	74.4	5.6	5.6	7.3	2				
						7.9	0.5	140	21.1		7.9	7.9	30.0	30.0	74.4	74.4	5.6		7.0	2				
SR4A	Cloudy	Moderate	10:35	9.4	Surface	1.0	0.0	98	21.4	21.4	8.0	8.0	24.6	24.6	78.8	78.7	6.0	5.9	2.7	6.2	5	4	817190	807814
						1.0	0.1	92	21.4		8.0	8.0	24.6	24.6	78.5	78.5	6.0		2.9		4			
					Middle	4.7	-	119	21.1	21.1	8.0	8.0	27.0	27.1	75.2	75.1	5.7	5.7	6.3	4				
						4.7	0.0	122	21.1		8.0	8.0	27.1	27.1	75.0	75.0	5.7		6.5	4				
					Bottom	8.4	0.0	100	21.0	21.0	8.0	8.0	27.9	27.9	74.5	74.6	5.6	5.6	9.4	3				
						8.4	0.0	107	21.0		8.0	8.0	27.9	27.9	74.6	74.6	5.6		9.5	3				
SR8	Cloudy	Moderate	11:40	4.4	Surface	1.0	-	-	27.2	27.2	7.9	7.9	23.0	23.0	82.8	82.9	5.8	5.8	2.1	2.6	<2	2	820387	811602
						1.0	-	-	27.2		7.9	7.9	23.0	23.0	83.0	83.0	5.8		2.1		2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.4	-	-	27.4	27.5	7.9	7.9	23.0	23.0	84.0	84.2	5.8	5.9	3.2	2				
						3.4	-	-	27.5		7.9	7.9	23.0	23.0	84.3	84.3	5.9		3.2	3				

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Moderate	18:50	8.5	Surface	1.0	0.3	26	21.2	21.2	8.0	8.0	27.7	27.7	78.8	78.7	5.9	5.8	4.3	6.6	3	3	815624	804234		
						1.0	0.3	19	21.2		8.0		27.7		78.6		5.9		4.3		2					
					Middle	4.3	0.3	50	21.1	21.1	8.0	8.0	30.0	30.0	76.0	75.9	5.7	5.6	5.9	5.6	6.3				5.6	3
						4.3	0.3	54	21.1		8.0		30.0		75.8		5.7		6.3		4					
					Bottom	7.5	0.3	24	21.0	21.0	8.0	8.0	30.4	30.4	74.8	74.8	5.6	5.6	9.2	5.6	9.4				5.6	4
						7.5	0.3	29	21.0		8.0		30.5		74.8		5.6		9.4		3					
C2	Cloudy	Moderate	17:11	11.4	Surface	1.0	0.1	169	21.9	22.0	7.8	7.8	19.8	19.8	72.0	72.0	5.6	5.2	2.2	5.7	3	3	825681	806948		
						1.0	0.1	174	22.0		7.8		19.9		71.9		5.6		2.3		3					
					Middle	5.7	0.2	186	21.1	21.1	8.0	8.0	29.1	29.1	64.5	64.5	4.8	4.7	5.2	4.7	5.1				4.7	4
						5.7	0.2	188	21.1		8.0		29.1		64.5		4.8		5.1		3					
					Bottom	10.4	0.2	200	21.0	21.0	8.0	8.0	30.5	30.5	62.6	62.6	4.7	4.7	9.7	4.7	9.4				4.7	3
						10.4	0.2	204	21.0		8.0		30.5		62.6		4.7		9.4		3					
C3	Cloudy	Moderate	18:44	10.2	Surface	1.0	0.5	256	26.3	26.3	7.9	7.9	27.0	27.0	74.3	72.5	5.2	4.9	3.0	3.7	5	4	822111	817823		
						1.0	0.5	248	26.2		7.9		27.1		70.7		4.9		2.9		5					
					Middle	5.1	0.4	244	26.1	26.1	7.9	7.9	30.6	30.6	70.8	70.9	4.8	4.9	3.3	4.9	3.2				4.9	3
						5.1	0.4	249	26.1		7.9		30.6		70.9		4.8		3.2		4					
					Bottom	9.2	0.4	272	26.1	26.2	7.9	7.9	30.7	30.7	71.6	71.7	4.9	4.9	4.9	4.9	4.9				4.9	4
						9.2	0.4	276	26.2		7.9		30.7		71.8		4.9		4.9		4					
IM1	Cloudy	Moderate	18:23	6.5	Surface	1.0	0.2	15	21.7	21.7	8.0	8.0	26.6	26.6	81.3	81.4	6.1	6.0	3.0	6.6	3	4	818363	806465		
						1.0	0.2	14	21.7		8.0		26.7		81.4		6.1		3.2		4					
					Middle	3.3	0.2	30	20.9	20.9	8.0	8.0	31.3	31.4	77.5	77.6	5.8	5.8	8.3	5.8	8.5				5.8	4
						3.3	0.1	27	20.9		8.0		31.4		77.6		5.8		8.5		3					
					Bottom	5.5	0.2	40	20.9	21.0	8.0	8.0	31.5	31.5	78.2	78.3	5.8	5.8	8.3	5.8	8.4				5.8	4
						5.5	0.1	44	21.0		8.0		31.5		78.3		5.8		8.4		4					
IM2	Cloudy	Moderate	18:18	7.0	Surface	1.0	0.2	16	21.4	21.4	8.0	8.0	26.9	26.9	80.4	80.4	6.1	5.9	5.8	8.5	3	4	819184	806213		
						1.0	0.1	11	21.4		8.0		26.9		80.4		6.1		6.1		4					
					Middle	3.5	0.1	21	21.0	21.0	8.0	8.0	30.3	30.3	75.4	75.4	5.6	5.6	9.9	5.6	9.9				5.6	3
						3.5	0.0	23	21.0		8.0		30.3		75.4		5.6		9.9		4					
					Bottom	6.0	0.2	357	20.9	20.9	7.9	7.9	31.6	31.6	75.2	75.3	5.6	5.6	9.7	5.6	9.9				5.6	4
						6.0	0.2	353	20.9		7.9		31.6		75.4		5.6		9.9		4					
IM7	Cloudy	Moderate	17:46	8.4	Surface	1.0	0.1	275	22.1	22.1	7.9	7.9	21.1	21.1	80.3	80.4	6.2	6.0	1.5	3.8	4	4	821371	806841		
						1.0	0.1	280	22.1		7.9		21.1		80.4		6.2		1.5		4					
					Middle	4.2	0.1	272	21.6	21.6	7.9	7.9	24.3	24.3	75.5	75.5	5.8	5.8	2.5	5.8	2.6				5.8	3
						4.2	0.1	275	21.6		7.9		24.3		75.4		5.8		2.6		4					
					Bottom	7.4	0.1	263	21.1	21.1	8.0	8.0	29.0	29.0	73.4	73.5	5.5	5.5	7.5	5.5	7.2				5.5	3
						7.4	0.1	256	21.1		8.0		29.0		73.5		5.5		7.2		4					

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Cloudy	Moderate	17:10	8.4	Surface	1.0	0.2	251	27.2	27.2	7.9	7.9	21.8	21.8	79.5	79.4	5.6	5.5	1.8	2.6	3	4	822251	809823				
						1.0	0.2	251	27.2	7.9	7.9	21.8	21.8	79.2	79.4	5.6	5.5	1.8	2.6	4	4							
					Middle	4.2	0.2	263	26.8	26.8	7.9	7.9	24.1	24.1	75.7	75.6	5.3	5.2	2.4	2.6	3	4						
						4.2	0.2	270	26.8	26.8	7.9	7.9	24.2	24.1	75.4	75.6	5.3	5.2	2.4	2.6	4	4						
					Bottom	7.4	0.2	256	26.7	26.7	7.9	7.9	25.2	25.2	74.3	74.3	5.2	5.2	3.5	5.2	4	4						
						7.4	0.2	261	26.7	26.7	7.9	7.9	25.2	25.2	74.3	74.3	5.2	5.2	3.5	5.2	4	4						
IM11	Cloudy	Moderate	17:40	8.0	Surface	1.0	0.3	283	27.9	27.9	7.8	7.8	18.8	18.8	84.3	84.3	6.0	5.9	2.0	2.8	4	3	821508	810546				
						1.0	0.4	289	27.9	27.9	7.8	7.8	18.8	18.8	84.3	84.3	6.0	5.9	2.1	2.8	3	3						
					Middle	4.0	0.4	292	27.1	27.1	7.9	7.9	22.8	22.8	83.1	83.1	5.8	5.8	2.3	5.4	3	3						
						4.0	0.4	296	27.1	27.1	7.9	7.9	22.8	22.8	83.0	83.1	5.8	5.8	2.3	5.4	4	3						
					Bottom	7.0	0.4	264	26.6	26.7	7.9	7.9	26.9	26.9	77.3	77.5	5.3	5.4	4.1	5.4	2	3						
						7.0	0.3	268	26.7	26.7	7.9	7.9	26.9	26.9	77.6	77.5	5.4	5.4	4.2	5.4	3	3						
IM12	Cloudy	Moderate	17:46	7.8	Surface	1.0	0.3	286	27.7	27.7	7.9	7.9	21.4	21.4	86.9	86.9	6.1	6.0	3.0	4.1	2	3	821149	811524				
						1.0	0.4	288	27.7	27.7	7.9	7.9	21.5	21.4	86.9	86.9	6.1	6.0	3.0	4.1	3	3						
					Middle	3.9	0.3	289	27.1	27.1	7.9	7.9	22.7	22.7	82.5	82.5	5.8	5.8	4.1	5.1	2	3						
						3.9	0.4	283	27.1	27.1	7.9	7.9	22.7	22.7	82.5	82.5	5.8	5.8	4.2	5.1	2	3						
					Bottom	6.8	0.3	302	26.5	26.5	7.9	7.9	26.3	26.3	73.0	73.0	5.1	5.1	5.0	5.1	4	3						
						6.8	0.3	300	26.5	26.5	7.9	7.9	26.3	26.3	73.0	73.0	5.1	5.1	5.1	5.1	3	3						
SR1A	Cloudy	Moderate	18:10	4.4	Surface	1.0	0.1	177	27.1	27.1	7.8	7.8	23.8	23.9	80.5	80.5	5.6	5.6	2.5	2.7	4	4	819975	812657				
						1.0	0.1	177	27.1	27.1	7.8	7.8	23.9	23.9	80.4	80.5	5.6	5.6	2.4	2.7	4	4						
					Middle	2.2	0.0	191	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	-
						2.2	0.1	196	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	-
					Bottom	3.4	0.0	200	27.0	27.0	7.9	7.9	24.4	24.4	81.1	81.3	5.6	5.7	3.0	5.7	3	4						
						3.4	0.0	195	27.0	27.0	7.9	7.9	24.4	24.4	81.4	81.3	5.7	5.7	3.0	5.7	4	4						
SR2	Cloudy	Moderate	18:23	4.6	Surface	1.0	0.0	249	27.2	27.2	7.9	7.9	22.7	22.7	86.1	86.4	6.0	6.1	2.0	6.1	4	3	821476	814142				
						1.0	0.0	255	27.1	27.2	7.9	7.9	22.8	22.7	86.6	86.4	6.1	6.1	2.0	6.1	3	3						
					Middle	-	0.1	227	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	-
						-	0.0	227	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	-
					Bottom	3.6	0.1	220	27.0	27.0	7.9	7.9	23.2	23.2	85.0	85.2	6.0	6.0	2.3	6.0	2.3	6.0			3	3		
						3.6	0.1	216	27.0	27.0	7.9	7.9	23.2	23.2	85.4	85.2	6.0	6.0	2.3	6.0	3	3						
SR3	Cloudy	Moderate	17:40	8.4	Surface	1.0	0.0	272	22.4	22.4	7.8	7.8	19.3	19.3	82.2	82.3	6.4	6.0	2.4	3.3	4	3	822130	807564				
						1.0	0.0	269	22.4	22.4	7.8	7.8	19.3	19.3	82.3	82.3	6.4	6.0	2.4	3.3	3	3						
					Middle	4.2	0.0	290	21.6	21.6	7.9	7.9	24.8	24.8	73.5	73.5	5.6	5.6	3.5	5.6	2	3						
						4.2	0.1	294	21.6	21.6	7.9	7.9	24.8	24.8	73.5	73.5	5.6	5.6	3.5	5.6	2	3						
					Bottom	7.4	0.0	257	21.4	21.4	7.9	7.9	25.6	25.6	73.5	73.5	5.6	5.6	4.2	5.6	3	3						
						7.4	0.0	260	21.4	21.4	7.9	7.9	25.6	25.6	73.5	73.5	5.6	5.6	4.2	5.6	2	3						
SR4A	Cloudy	Moderate	19:12	8.5	Surface	1.0	0.0	226	22.3	22.3	8.0	8.0	24.0	24.0	85.6	85.7	6.5	6.1	3.9	8.4	3	5	817170	807830				
						1.0	0.1	231	22.3	22.3	8.0	8.0	24.0	24.0	85.7	85.7	6.5	6.1	3.8	8.4	4	5						
					Middle	4.3	0.0	236	21.1	21.1	8.0	8.0	28.5	28.6	73.8	73.8	5.6	5.6	9.2	5.6	4	5						
						4.3	0.1	234	21.1	21.1	8.0	8.0	28.7	28.6	73.7	73.8	5.6	5.6	9.6	5.6	5	5						
					Bottom	7.5	0.0	213	21.1	21.1	8.0	8.0	29.4	29.4	74.3	74.4	5.6	5.6	11.9	5.6	5	5						
						7.5	0.1	205	21.1	21.1	8.0	8.0	29.4	29.4	74.4	74.4	5.6	5.6	11.9	5.6	6	5						
SR8	Cloudy	Moderate	17:51	5.8	Surface	1.0	-	-	27.5	27.5	7.9	7.9	22.7	22.8	85.6	85.5	6.0	6.0	3.0	3.5	3	3	820381	811614				
						1.0	-	-	27.4	27.5	7.9	7.9	22.9	22.8	85.4	85.5	6.0	6.0	2.9	3.5	3	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	-
					Bottom	4.8	-	-	27.1	27.1	7.8	7.8	24.2	24.2	76.8	77.2	5.3	5.4	4.1	5.4	3	4.1						
						4.8	-	-	27.1	27.1	7.9	7.9	24.2	24.2	77.5	77.2	5.4	5.4	4.1	5.4	3	4.1						

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 14 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
C1	Cloudy	Moderate	12:22	8.5	Surface	1.0	0.5	208	26.9	26.9	8.0	8.0	25.6	25.6	85.0	85.0	5.9	5.6	2.6	7.3	2	2	815613	804234							
						1.0	0.5	207	26.9	8.0	8.0	25.6	25.6	84.9	85.0	5.9	5.6	2.6	7.3	3	2										
					Middle	4.3	0.4	220	26.6	26.6	8.0	8.0	29.5	29.5	76.5	76.5	5.2	5.2	8.0	7.3	2	2			2	2					
						4.3	0.4	221	26.6	26.6	8.0	8.0	29.5	29.5	76.5	76.5	5.2	5.2	8.1	7.3	2	2			2	2					
					Bottom	7.5	0.4	223	26.6	26.6	8.0	8.0	29.6	29.6	76.7	76.7	5.2	5.2	11.1	5.2	5.2	7.3			2	2	2	2			
						7.5	0.5	223	26.6	26.6	8.0	8.0	29.6	29.6	76.7	76.7	5.2	5.2	11.4	5.2	5.2	7.3			2	2	2	2			
					C2	Cloudy	Moderate	14:00	11.6	Surface	1.0	0.6	178	27.0	27.0	8.0	8.0	24.5	24.5	85.6	85.6	6.0			5.6	2.7	6.0	7	6	825666	806937
											1.0	0.6	172	27.0	27.0	8.0	8.0	24.5	24.5	85.6	85.6	5.9			5.6	2.7	6.0	8	6		
Middle	5.8	0.6	160	26.9						26.9	7.9	7.9	26.6	26.6	76.1	76.1	5.2	5.2	5.0	5.6	7	6.0	7	6	6	6					
	5.8	0.5	161	26.9						26.9	7.9	7.9	26.6	26.6	76.0	76.1	5.2	5.2	5.2	5.6	6	6.0	6	6	6	6					
Bottom	10.6	0.5	154	26.8						26.8	7.9	7.9	27.3	27.3	76.0	76.1	5.2	5.2	10.4	5.2	5.2	6.0	4	6	4	6					
	10.6	0.6	157	26.8						26.8	7.9	7.9	27.3	27.3	76.1	76.1	5.2	5.2	10.3	5.2	5.2	6.0	3	6	3	6					
C3	Rainy	Moderate	11:11	9.8						Surface	1.0	0.3	72	27.8	27.8	8.0	8.0	22.4	22.5	71.7	71.5	4.9	4.8	1.8	2.5	3	3	822090	817803		
											1.0	0.3	74	27.7	27.8	8.0	8.0	22.5	22.5	71.2	71.5	4.8	4.8	1.7	2.5	2	3				
					Middle	4.9	0.3	75	27.1	27.1	8.0	8.0	25.5	25.5	69.9	69.9	4.7	4.7	2.7	2.5	3	3	3	3							
						4.9	0.3	67	27.0	27.1	8.0	8.0	25.6	25.5	69.8	69.9	4.7	4.7	2.8	2.5	2	3	2	3							
					Bottom	8.8	0.3	55	26.9	26.9	8.0	8.0	26.1	26.1	68.2	68.2	4.6	4.6	3.0	4.6	4.6	2.5	3	3	3	3					
						8.8	0.3	57	26.9	26.9	8.0	8.0	26.1	26.1	68.2	68.2	4.6	4.6	3.0	4.6	4.6	2.5	3	3	3	3					
					IM1	Cloudy	Moderate	12:47	6.8	Surface	1.0	0.3	193	26.8	26.8	8.0	8.0	27.9	28.0	79.4	79.4	5.4	5.4	7.8	10.7	5	5			818368	806472
											1.0	0.4	188	26.8	26.8	8.0	8.0	28.1	28.0	79.4	79.4	5.4	5.4	8.4	5.4	5.4	10.7				
Middle	3.4	0.3	185	26.6						26.6	8.0	8.0	29.6	29.6	79.2	79.2	5.4	5.4	14.0	5.4	5.4	10.7	4	5							
	3.4	0.3	190	26.6						26.6	8.0	8.0	29.6	29.6	79.2	79.2	5.4	5.4	13.2	5.4	5.4	10.7	5	5							
Bottom	5.8	0.4	202	26.6						26.6	8.0	8.0	29.8	29.8	79.4	79.5	5.4	5.4	10.6	5.4	5.4	10.7	4	5							
	5.8	0.3	196	26.6						26.6	8.0	8.0	29.8	29.8	79.5	79.5	5.4	5.4	10.4	5.4	5.4	10.7	4	5							
IM2	Cloudy	Moderate	12:52	7.2						Surface	1.0	0.4	206	26.7	26.7	8.0	8.0	28.4	28.5	77.6	77.6	5.3	5.4	5.5	8.6	3	3	819197	806255		
											1.0	0.4	203	26.7	26.7	8.0	8.0	28.5	28.5	77.6	77.6	5.3	5.4	5.7	5.4	5.4	8.6				
					Middle	3.6	0.4	209	26.6	26.6	8.0	8.0	29.8	29.8	78.8	78.8	5.4	5.4	9.5	5.4	5.4	8.6	3	3							
						3.6	0.3	209	26.6	26.6	8.0	8.0	29.8	29.8	78.8	78.8	5.4	5.4	9.8	5.4	5.4	8.6	3	3							
					Bottom	6.2	0.4	214	26.5	26.5	8.0	8.0	30.0	30.0	79.9	80.0	5.4	5.4	10.6	5.4	5.4	8.6	2	3							
						6.2	0.4	215	26.5	26.5	8.0	8.0	30.0	30.0	80.0	80.0	5.4	5.4	10.6	5.4	5.4	8.6	2	3							
					IM7	Cloudy	Moderate	13:29	8.2	Surface	1.0	0.3	212	27.0	27.0	7.9	7.9	25.7	25.7	76.4	76.4	5.3	5.3	3.0	8.6	4	3			821372	806850
											1.0	0.4	211	27.0	27.0	7.9	7.9	25.7	25.7	76.4	76.4	5.3	5.3	3.0	5.3	5.3	8.6				
Middle	4.1	0.2	203	26.8						26.8	8.0	8.0	27.2	27.2	76.1	76.1	5.2	5.2	10.0	5.2	5.2	8.6	4	3							
	4.1	0.3	206	26.8						26.8	8.0	8.0	27.2	27.2	76.1	76.1	5.2	5.2	10.1	5.2	5.2	8.6	3	3							
Bottom	7.2	0.3	190	26.7						26.7	8.0	8.0	28.3	28.3	76.2	76.3	5.2	5.2	12.7	5.2	5.2	8.6	2	3							
	7.2	0.3	190	26.7						26.7	8.0	8.0	28.3	28.3	76.3	76.3	5.2	5.2	13.0	5.2	5.2	8.6	3	3							

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Rainy	Moderate	12:07	8.8	Surface	1.0	0.4	103	27.6	7.9	7.9	23.3	23.3	71.2	71.2	4.8	4.8	4.8	1.6	1.1	4	822228	809858						
						1.0	0.4	98	27.6	7.9	7.9	23.4	23.3	71.1	71.2	4.8	4.8			1.1	3								
					Middle	4.4	0.4	104	27.5	7.9	7.9	23.6	23.6	71.1	71.2	4.8	4.8	1.4	4										
						4.4	0.4	97	27.5	7.9	7.9	23.6	23.6	71.3	71.2	4.8	4.8	1.4	3										
					Bottom	7.8	0.4	99	27.5	7.9	7.9	23.7	23.7	75.1	76.0	5.1	5.2	2.3	2										
						7.8	0.4	93	27.5	7.9	7.9	23.7	23.7	76.9	76.0	5.2	5.2	2.3	3										
					IM11	Rainy	Moderate	12:02	9.4	Surface	1.0	0.4	81	27.7	7.9	7.9	23.1	23.2	72.2	72.2	4.9			4.9	4.9	2.9	2.0	4	821517
1.0	0.5	83	27.7	7.9							7.9	23.2	23.2	72.1	72.1	4.9	4.9	2.1	3										
Middle	4.7	0.4	93	27.5						7.9	7.9	23.7	23.7	72.1	72.1	4.9	4.9	2.8	3										
	4.7	0.5	96	27.5						7.9	7.9	23.7	23.7	72.1	72.1	4.9	4.9	2.8	2										
Bottom	8.4	0.5	118	27.4						7.9	7.9	24.3	24.3	77.8	79.2	5.3	5.4	4.0	2										
	8.4	0.4	110	27.4						7.9	7.9	24.3	24.3	80.5	79.2	5.5	5.4	4.0	3										
IM12	Rainy	Moderate	11:57	8.8						Surface	1.0	0.6	94	27.4	8.0	8.0	24.3	24.3	69.0	69.1	4.7	4.7	4.8	2.4	1.6	4	821155	811531	
					1.0	0.5	92	27.4	8.0		8.0	24.3	24.3	69.1	69.1	4.7	4.7	1.5	3										
					Middle	4.4	0.5	120	27.3	8.0	8.0	24.6	24.6	70.5	70.5	4.8	4.8	2.3	3										
						4.4	0.6	125	27.3	8.0	8.0	24.6	24.6	70.5	70.5	4.8	4.8	2.3	4										
					Bottom	7.8	0.5	119	27.3	8.0	8.0	24.6	24.6	73.7	75.0	5.0	5.1	3.4	2										
						7.8	0.5	115	27.3	8.0	8.0	24.5	24.6	76.3	75.0	5.2	5.1	3.4	3										
					SR1A	Rainy	Moderate	11:38	4.0	Surface	1.0	0.0	72	27.2	8.0	8.0	23.4	23.4	76.2	76.6	5.2	5.3	5.3	2.6	2.0	3			819979
1.0	0.0	76	27.1	8.0							8.0	23.5	23.4	76.9	76.6	5.3	5.3	2.1	2										
Middle	2.0	-	68	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	819979	812655		
	2.0	0.0	70	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Bottom	3.0	0.0	56	26.8						8.0	8.0	23.6	23.6	85.0	85.8	5.8	5.9	3.1	3										
	3.0	0.0	49	26.7						8.0	8.0	23.6	23.6	86.6	85.8	6.0	5.9	3.1	3										
SR2	Rainy	Moderate	11:26	5.0						Surface	1.0	0.4	55	27.7	8.0	8.0	23.6	23.6	70.4	70.6	4.8	4.8	4.8	2.6	2.1			6	
					1.0	0.4	52	27.7	8.0		8.0	23.7	23.6	70.7	70.6	4.8	4.8	2.1	5										
					Middle	-	0.3	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			821440	814148
						-	0.3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.0	0.3	66	28.0	8.0	8.0	23.8	23.8	73.6	74.2	5.0	5.0	3.1	5										
						4.0	0.3	72	28.0	8.0	8.0	23.8	23.8	74.8	74.2	5.0	5.0	3.1	4										
					SR3	Cloudy	Moderate	13:35	8.4	Surface	1.0	0.4	181	27.0	8.0	7.9	24.4	24.4	85.8	85.8	6.0	6.0	5.7	5.4	2.7	2	822142		
1.0	0.4	180	27.0	7.9							7.9	24.4	24.4	85.7	85.8	6.0	6.0	2.7	3										
Middle	4.2	0.4	164	26.9						7.9	7.9	26.7	26.7	76.9	76.9	5.3	5.3	5.9	3										
	4.2	0.5	162	26.8						7.9	7.9	26.8	26.7	76.8	76.9	5.3	5.3	6.2	4										
Bottom	7.4	0.4	159	26.8						7.9	7.9	27.2	27.2	78.6	78.9	5.4	5.4	7.4	3										
	7.4	0.4	159	26.8						7.9	7.9	27.2	27.2	79.1	78.9	5.4	5.4	7.3	4										
SR4A	Cloudy	Moderate	11:55	8.8						Surface	1.0	0.0	94	26.9	7.9	7.9	25.6	25.6	80.2	80.3	5.6	5.6	5.3	6.1	3.2	3		817173	807814
					1.0	0.0	89	26.9	7.9		7.9	25.6	25.6	80.3	80.3	5.6	5.6	3.2	3										
					Middle	4.4	0.0	79	26.9	7.9	7.9	27.6	27.6	72.5	72.5	5.0	5.0	6.0	3										
						4.4	0.0	73	26.9	7.9	7.9	27.6	27.6	72.5	72.5	5.0	5.0	6.1	3										
					Bottom	7.8	0.1	92	26.8	7.8	7.8	27.9	27.9	72.3	72.3	4.9	4.9	8.9	4										
						7.8	0.1	87	26.8	7.8	7.8	27.9	27.9	72.3	72.3	4.9	4.9	9.0	3										
					SR8	Rainy	Moderate	11:53	4.9	Surface	1.0	-	-	27.8	8.0	8.0	23.0	23.0	76.2	76.3	5.2	5.2	5.2	1.6	1.1	3	820402		
1.0	-	-	27.8	8.0							8.0	23.0	23.0	76.3	76.3	5.2	5.2	1.1	2										
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	820402		811606	
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Bottom	3.9	-	-	27.6						7.9	7.9	23.2	23.1	83.2	84.2	5.7	5.8	2.1	4										
	3.9	-	-	27.6						7.9	7.9	23.1	23.1	85.1	84.2	5.8	5.8	2.1	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 14 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA				
C1	Cloudy	Moderate	19:36	8.2	Surface	1.0	0.3	27	26.9	26.9	8.0	8.0	27.6	27.6	81.6	81.6	5.6	5.6	5.5	8.1	3.4	6	4	815625	804243					
						1.0	0.3	30	26.9		8.0	8.0	27.6	27.6	81.5	81.5	5.6	5.6								3.4	5			
					Middle	4.1	0.4	22	26.5	26.5	8.0	8.0	30.1	30.1	77.9	77.9	5.3	5.3	4.9	4.9	8.9	9.2	3			4	815625	804243		
						4.1	0.4	17	26.5		8.0	8.0	30.1	30.1	77.9	77.9	5.3	5.3											11.6	4
					Bottom	7.2	0.3	42	26.5	26.5	8.0	8.0	30.1	30.1	72.8	71.7	4.9	4.8	4.9	4.8	11.6	11.8	3			4			815625	804243
						7.2	0.3	40	26.5		8.0	8.0	30.1	30.1	70.5	71.7	4.8	4.8												
C2	Cloudy	Moderate	17:53	11.4	Surface	1.0	0.0	160	27.0	27.0	8.0	8.0	24.4	24.4	85.2	85.2	5.9	5.9	5.6	6.3	2.6	2.6	4	4	825702	806945				
						1.0	0.0	167	27.0		8.0	8.0	24.4	24.4	85.1	85.1	5.9	5.9												
					Middle	5.7	0.0	178	26.8	26.8	7.9	7.9	26.9	26.9	75.4	75.5	5.2	5.2	5.1	5.1	6.0	5.9	4	4			825702	806945		
						5.7	0.1	177	26.8		7.9	7.9	26.9	26.9	75.5	75.5	5.2	5.2												
					Bottom	10.4	0.0	174	26.8	26.8	7.9	7.9	27.3	27.3	74.2	74.3	5.1	5.1	5.1	5.1	10.1	10.9	4	2					825702	806945
						10.4	0.0	177	26.8		7.9	7.9	27.3	27.3	74.3	74.3	5.1	5.1												
C3	Rainy	Moderate	18:47	10.2	Surface	1.0	0.4	276	26.7	26.8	8.0	8.0	26.2	26.2	60.4	60.4	4.1	4.1	4.1	1.7	1.0	1.0	3	4	822102	817786				
						1.0	0.5	269	26.8		8.0	8.0	26.2	26.2	60.4	60.4	4.1	4.1												
					Middle	5.1	0.4	259	26.8	26.8	8.0	8.0	26.2	26.2	59.9	60.0	4.1	4.1	4.2	4.2	1.7	1.7	4	4			822102	817786		
						5.1	0.4	254	26.8		8.0	8.0	26.2	26.2	60.0	60.0	4.1	4.1												
					Bottom	9.2	0.4	276	26.8	26.8	8.0	8.0	26.2	26.1	60.7	62.5	4.1	4.1	4.2	4.2	2.6	2.5	4	4					822102	817786
						9.2	0.4	268	26.8		8.0	8.0	26.1	26.1	64.3	62.5	4.3	4.3												
IM1	Cloudy	Moderate	19:11	6.4	Surface	1.0	0.2	6	26.8	26.8	8.0	8.0	28.3	28.3	79.8	79.8	5.5	5.5	5.4	7.3	4.9	4.9	4	4	818367	806466				
						1.0	0.2	11	26.8		8.0	8.0	28.3	28.3	79.8	79.8	5.5	5.5												
					Middle	3.2	0.1	26	26.6	26.6	8.0	8.0	29.8	29.8	77.4	77.4	5.3	5.3	5.3	5.3	7.2	7.2	5	4			818367	806466		
						3.2	0.1	27	26.6		8.0	8.0	29.8	29.8	77.4	77.4	5.3	5.3												
					Bottom	5.4	0.2	19	26.5	26.5	8.0	8.0	29.9	29.9	77.9	78.0	5.3	5.3	5.3	5.3	9.6	9.9	4	5					818367	806466
						5.4	0.2	20	26.5		8.0	8.0	29.9	29.9	78.0	78.0	5.3	5.3												
IM2	Cloudy	Moderate	19:05	6.8	Surface	1.0	0.1	353	27.0	27.0	8.0	8.0	27.1	27.1	84.6	84.6	5.8	5.8	5.6	7.1	3.2	3.2	2	3	819199	806224				
						1.0	0.1	351	27.0		8.0	8.0	27.1	27.1	84.6	84.6	5.8	5.8												
					Middle	3.4	0.1	353	26.8	26.8	8.0	8.0	28.3	28.3	79.6	79.6	5.4	5.4	5.3	5.3	7.8	7.8	2	3			819199	806224		
						3.4	0.1	357	26.7		8.0	8.0	28.4	28.3	79.5	79.6	5.4	5.4												
					Bottom	5.8	0.1	14	26.6	26.6	8.0	8.0	29.1	29.1	78.3	78.3	5.3	5.3	5.3	5.3	10.6	10.6	2	3					819199	806224
						5.8	0.1	10	26.6		8.0	8.0	29.1	29.1	78.2	78.3	5.3	5.3												
IM7	Cloudy	Moderate	18:33	8.3	Surface	1.0	0.2	266	27.1	27.1	7.9	7.9	25.1	25.1	78.7	78.8	5.4	5.4	5.4	3.9	2.4	2.5	3	3	821335	806833				
						1.0	0.1	270	27.1		7.9	7.9	25.0	25.1	78.8	78.8	5.5	5.5												
					Middle	4.2	0.2	277	26.9	26.9	8.0	8.0	26.9	26.9	78.2	78.2	5.4	5.4	5.4	5.4	3.5	3.5	3	4			821335	806833		
						4.2	0.2	283	26.9		8.0	8.0	26.9	26.9	78.2	78.2	5.4	5.4												
					Bottom	7.3	0.1	290	26.8	26.8	8.0	8.0	27.5	27.5	78.9	79.1	5.4	5.4	5.4	5.4	5.8	5.9	3	4					821335	806833
						7.3	0.1	293	26.8		8.0	8.0	27.5	27.5	79.3	79.1	5.4	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 14 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Rainy	Moderate	17:48	8.4	Surface	1.0	0.2	260	27.7	8.0	8.0	22.3	22.4	75.4	75.1	5.1	5.0	1.2	1.8	5	4	822235	809851							
						1.0	0.2	261	27.6	8.0	8.0	22.4	22.4	74.8	75.1	5.1	5.0	1.2	1.8	6	4									
					Middle	4.2	0.2	259	27.0	8.0	8.0	25.5	25.5	73.2	73.1	5.0	4.9	1.8	3	3	3									
						4.2	0.2	257	27.0	8.0	8.0	25.5	25.5	72.9	73.1	4.9	4.8	1.8	3											
					Bottom	7.4	0.2	235	27.2	7.9	7.9	25.1	24.9	69.8	70.5	4.7	4.8	2.4	4	4	4									
						7.4	0.2	228	27.3	7.9	7.9	24.8	24.9	71.1	70.5	4.8	4.8	2.4	4											
					IM11	Rainy	Moderate	18:05	8.0	Surface	1.0	0.4	280	27.2	8.0	8.0	24.8	24.9	70.1	70.1	4.9			4.6	1.2	2.3	3	3	821513	810545
											1.0	0.4	280	27.1	8.0	8.0	24.9	24.9	70.0	70.1	4.9			4.6	1.2	3				
Middle	4.0	0.3	264	26.9						8.0	8.0	25.7	25.7	64.0	64.0	4.3	4.3	2.4	3	3	3									
	4.0	0.3	257	26.8						8.0	8.0	25.8	25.8	64.0	64.0	4.3	4.4	2.4	3											
Bottom	7.0	0.3	260	27.0						8.0	8.0	25.8	25.8	64.9	65.1	4.4	4.4	3.2	4	4	4									
	7.0	0.3	263	27.1						8.0	8.0	25.8	25.8	65.2	65.1	4.4	4.4	3.2	3											
IM12	Rainy	Moderate	18:10	7.8						Surface	1.0	0.3	276	27.4	7.9	7.9	24.4	24.4	67.7	67.7	4.6	4.6	1.1	1.7	3	4	821182	811527		
											1.0	0.3	281	27.4	7.9	7.9	24.4	24.4	67.7	67.7	4.6	4.6	1.1	1.7	4	4				
					Middle	3.9	0.4	258	27.4	7.9	7.9	24.6	24.6	67.7	67.8	4.6	4.6	1.7	3	3	4									
						3.9	0.4	264	27.4	7.9	7.9	24.7	24.7	67.9	71.0	4.6	4.8	1.7	4											
					Bottom	6.8	0.3	267	27.5	7.9	7.9	24.7	24.7	70.1	71.0	4.7	4.8	2.4	4	4	4									
						6.8	0.3	269	27.6	7.9	7.9	24.7	24.7	71.8	71.0	4.8	4.8	2.4	4											
					SR1A	Rainy	Moderate	18:29	5.4	Surface	1.0	0.1	172	27.9	7.9	7.9	23.8	23.8	76.8	77.3	5.2	5.2	1.3	1.8	2	3			819974	812665
											1.0	0.0	177	27.8	7.9	7.9	23.9	23.8	77.8	77.3	5.2	5.2	1.3	2						
Middle	2.7	-	178	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3					
	2.7	0.1	179	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Bottom	4.4	0.0	194	27.4						7.9	7.9	24.5	24.0	84.6	86.4	5.7	5.8	2.3	3	3	3									
	4.4	0.0	191	27.8						7.9	7.9	23.5	24.0	88.1	86.4	5.9	5.8	2.3	3											
SR2	Rainy	Moderate	18:47	4.9						Surface	1.0	0.2	242	26.7	7.9	7.9	26.2	26.2	66.1	66.3	4.5	4.5	1.8	1.9	4	3	821484	814180		
											1.0	0.1	240	26.7	7.9	7.9	26.3	26.2	66.5	66.3	4.5	4.5	1.8	3						
					Middle	-	0.1	224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3					
						-	0.1	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.9	0.1	227	26.7	7.9	7.9	26.4	26.3	75.4	76.5	5.1	5.2	2.1	2	2	2									
						3.9	0.2	222	26.7	7.9	7.9	26.3	26.3	77.5	76.5	5.2	5.2	2.1	2											
SR3	Cloudy	Moderate	18:27	8.8	Surface	1.0	0.1	316	27.0	8.0	8.0	24.5	24.5	85.7	85.7	6.0	5.6	2.6	5.2	3	3	822147	807582							
						1.0	0.1	318	27.0	8.0	8.0	24.5	24.5	85.6	85.7	5.9	5.6	2.6	3											
					Middle	4.4	0.1	310	26.9	7.9	7.9	25.2	25.2	75.4	75.3	5.2	5.2	5.4	3	3	3									
						4.4	0.2	309	26.9	7.9	7.9	25.2	25.2	75.2	75.3	5.2	5.2	5.8	3											
					Bottom	7.8	0.1	305	26.8	7.9	7.9	27.4	27.4	75.0	75.2	5.1	5.2	7.6	4	4	4									
						7.8	0.1	302	26.8	7.9	7.9	27.4	27.4	75.3	75.2	5.2	5.2	7.6	4											
					SR4A	Cloudy	Moderate	20:07	9.3	Surface	1.0	0.0	193	27.1	8.0	8.0	24.8	24.8	82.2	82.2	5.7			5.4	8.9	8.6	2	3	817166	807806
											1.0	0.0	189	27.1	8.0	8.0	24.8	24.8	82.2	82.2	5.7			5.4	8.4	3				
Middle	4.7	0.0	212	26.9						7.9	7.9	27.6	27.6	72.8	72.8	5.0	5.0	6.2	3	3	3									
	4.7	0.0	209	26.8						7.9	7.9	27.6	27.6	72.8	72.8	5.0	5.0	6.2	3											
Bottom	8.3	0.0	220	26.8						7.9	7.9	27.8	27.8	74.2	74.6	5.1	5.1	10.9	3	3	3									
	8.3	0.1	227	26.8						7.9	7.9	27.8	27.8	74.9	74.6	5.1	5.1	10.7	3											
SR8	Rainy	Moderate	18:14	5.9	Surface	1.0	-	-	28.0	7.9	7.9	24.4	24.5	75.5	75.6	5.1	5.1	3.4	4.0	3	3	820398	811621							
						1.0	-	-	27.9	7.9	7.9	24.5	24.5	75.7	75.6	5.1	5.1	3.4	4											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-					
					Bottom	4.9	-	-	27.8	7.9	7.9	24.6	24.5	81.0	82.3	5.4	5.5	4.7	2	2	2									
						4.9	-	-	27.9	7.9	7.9	24.4	24.4	83.6	82.3	5.6	5.5	4.7	2											

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 16 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	12:38	7.8	Surface	1.0	0.3	207	27.1	8.0	8.0	25.4	25.4	83.4	83.4	5.8	5.8	3.6	5.4	4	5	815639	804258	
						1.0	0.4	200	27.1	8.0	8.0	25.4	25.4	83.4	83.4	5.8	5.8	3.6	5.4	5				
					Middle	3.9	0.3	218	26.9	8.0	8.0	26.9	26.9	80.6	80.6	5.5	5.5	4.8	5.4	4				5
						3.9	0.3	223	26.9	8.0	8.0	26.9	26.9	80.6	80.6	5.5	5.5	4.8	5.4	5				
					Bottom	6.8	0.3	215	26.8	8.0	8.0	29.5	29.5	74.6	74.7	5.1	5.1	7.9	5.4	4				5
						6.8	0.3	215	26.8	8.0	8.0	29.5	29.5	74.7	74.7	5.1	5.1	7.9	5.4	5				
C2	Cloudy	Moderate	14:19	10.4	Surface	1.0	0.7	167	27.4	7.9	7.9	23.0	23.0	78.2	78.3	5.4	5.3	3.2	4.3	3	3	825676	806929	
						1.0	0.7	164	27.4	7.9	7.9	23.0	23.0	78.4	78.3	5.5	5.3	3.2	4.3	3				
					Middle	5.2	0.7	176	27.3	7.9	7.9	23.7	23.7	75.0	75.0	5.2	5.2	3.2	4.3	3				3
						5.2	0.7	179	27.3	7.9	7.9	23.7	23.7	75.0	75.0	5.2	5.2	3.2	4.3	3				
					Bottom	9.4	0.6	168	27.1	7.9	7.9	25.7	25.7	74.1	74.2	5.1	5.1	6.4	5.4	2				3
						9.4	0.7	161	27.1	7.9	7.9	25.7	25.7	74.2	74.2	5.1	5.1	6.4	5.4	3				
C3	Misty	Moderate	12:34	10.8	Surface	1.0	0.3	87	26.5	8.0	8.0	24.2	24.2	74.9	74.9	5.3	5.2	0.7	1.7	4	4	822085	817820	
						1.0	0.4	80	26.5	8.0	8.0	24.3	24.2	74.8	74.9	5.3	5.2	0.7	1.7	3				
					Middle	5.4	0.4	72	26.1	8.0	8.0	28.2	28.2	72.3	72.3	5.0	5.0	2.0	1.7	5				4
						5.4	0.4	71	26.1	8.0	8.0	28.2	28.2	72.3	72.3	5.0	5.0	2.0	1.7	4				
					Bottom	9.8	0.3	89	26.1	8.0	8.0	28.6	28.6	73.1	73.2	5.0	5.1	2.6	1.7	4				5
						9.8	0.3	86	26.1	8.0	8.0	28.6	28.6	73.2	73.2	5.1	5.1	2.6	1.7	5				
IM1	Cloudy	Moderate	13:03	7.2	Surface	1.0	0.2	186	27.2	8.0	8.0	25.5	25.5	84.7	84.7	5.8	5.8	2.9	4.1	4	5	818345	806481	
						1.0	0.2	193	27.2	8.0	8.0	25.5	25.5	84.7	84.7	5.8	5.8	2.9	4.1	4				
					Middle	3.6	0.2	192	27.1	8.0	8.0	25.6	25.6	83.7	83.7	5.8	5.8	3.2	4.1	6				5
						3.6	0.2	190	27.1	8.0	8.0	25.6	25.6	83.6	83.7	5.8	5.8	3.3	4.1	6				
					Bottom	6.2	0.2	172	26.8	8.0	8.0	28.8	28.8	77.5	77.5	5.3	5.3	6.3	4.1	6				5
						6.2	0.3	164	26.8	8.0	8.0	28.8	28.8	77.5	77.5	5.3	5.3	6.3	4.1	5				
IM2	Cloudy	Moderate	13:18	7.4	Surface	1.0	0.2	185	27.2	8.0	8.0	25.4	25.4	86.4	86.4	6.0	5.8	2.8	5.6	6	5	819194	806228	
						1.0	0.2	190	27.2	8.0	8.0	25.5	25.4	86.4	86.4	6.0	5.8	2.9	5.6	4				
					Middle	3.7	0.3	172	26.9	8.0	8.0	27.9	27.9	81.9	81.9	5.6	5.6	4.7	5.6	5				5
						3.7	0.3	167	26.9	8.0	8.0	27.9	27.9	81.9	81.9	5.6	5.6	4.7	5.6	4				
					Bottom	6.4	0.2	190	26.8	8.0	8.0	28.8	28.8	77.1	77.2	5.2	5.3	9.4	5.6	5				4
						6.4	0.2	191	26.8	8.0	8.0	28.8	28.8	77.2	77.2	5.3	5.3	9.3	5.6	4				
IM7	Cloudy	Moderate	13:45	8.1	Surface	1.0	0.2	162	27.2	7.9	7.9	24.8	24.8	72.6	72.6	5.0	5.2	6.6	7.3	4	5	821347	806817	
						1.0	0.1	155	27.2	7.9	7.9	24.8	24.8	72.6	72.6	5.0	5.2	6.6	7.3	5				
					Middle	4.1	0.3	170	27.0	8.0	8.0	27.1	27.1	77.4	77.4	5.3	5.3	5.9	7.3	5				5
						4.1	0.2	168	27.0	8.0	8.0	27.1	27.1	77.4	77.4	5.3	5.3	5.9	7.3	5				
					Bottom	7.1	0.3	177	26.9	8.0	8.0	28.2	28.2	78.5	78.5	5.4	5.4	9.4	7.3	5				6
						7.1	0.3	172	26.9	8.0	8.0	28.2	28.2	78.5	78.5	5.4	5.4	9.5	7.3	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 16 September 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	13:51	8.8	Surface	1.0	0.5	95	26.8	26.8	7.9	7.9	20.9	20.9	72.5	72.4	5.2	5.0	2.8	3.4	6	4	822263	809848
						1.0	0.5	98	26.8		7.9		7.9		20.9		72.2		5.1		2.9			
					Middle	4.4	0.5	99	26.4	26.4	8.0	8.0	24.4	24.4	70.2	70.2	4.9		3.1		3			
						4.4	0.5	106	26.4		8.0		8.0		24.4		70.1		4.9		3.1			
					Bottom	7.8	0.5	120	26.3	26.3	7.9	7.9	25.8	25.8	70.3	70.4	4.9		4.4		4			
						7.8	0.4	120	26.3		7.9		7.9		25.8		70.5		4.9		4.3			
IM11	Misty	Moderate	13:45	9.2	Surface	1.0	0.6	107	26.8	26.8	7.9	7.9	20.9	20.9	72.4	72.4	5.2	5.2	3.0	4.2	3	4	821479	810531
						1.0	0.5	106	26.8		7.9		7.9		20.9		72.4		5.2		3.0			
					Middle	4.6	0.6	107	26.6	26.6	8.0	8.0	23.0	23.1	71.6	71.6	5.1		4.3		3			
						4.6	0.6	105	26.6		8.0		8.0		23.1		71.6		5.1		4.3			
					Bottom	8.2	0.5	111	26.4	26.4	8.0	8.0	24.3	24.3	71.7	71.8	5.0		5.3		3			
						8.2	0.5	106	26.4		8.0		8.0		24.3		71.9		5.1		5.3			
IM12	Misty	Moderate	13:37	9.0	Surface	1.0	0.6	113	26.7	26.7	7.9	7.9	21.5	21.5	71.0	71.0	5.0	5.0	2.4	4.4	4	5	821157	811510
						1.0	0.6	116	26.7		7.9		7.9		21.5		71.0		5.0		2.4			
					Middle	4.5	0.6	92	26.5	26.5	7.9	7.9	23.8	23.8	71.0	71.0	5.0		4.0		4			
						4.5	0.6	87	26.5		7.9		7.9		23.8		71.0		5.0		4.0			
					Bottom	8.0	0.5	117	26.5	26.5	7.9	7.9	24.6	24.6	70.5	70.6	4.9		6.7		6			
						8.0	0.6	115	26.5		7.9		7.9		24.6		70.6		5.0		6.7			
SR1A	Misty	Moderate	13:12	5.0	Surface	1.0	0.0	50	26.7	26.7	7.9	7.9	22.9	22.9	75.2	75.2	5.3	5.3	2.0	2.1	6	5	819981	812663
						1.0	0.0	42	26.7		7.9		7.9		22.9		75.1		5.3		2.0			
					Middle	2.5	0.1	43	-	-	-	-	-	-	-	-	-		-		-			
						2.5	0.1	35	-		-		-		-		-		-		-			
					Bottom	4.0	0.0	66	26.6	26.6	7.9	7.9	24.2	24.1	72.9	73.0	5.1		2.3		4			
						4.0	0.0	67	26.6		7.9		7.9		24.1		73.0		5.1		2.3			
SR2	Misty	Moderate	13:00	4.4	Surface	1.0	0.4	57	26.6	26.6	7.9	7.9	24.3	24.3	73.5	73.5	5.1	5.1	2.1	2.6	5	5	821472	814159
						1.0	0.4	56	26.6		7.9		7.9		24.3		73.5		5.1		2.0			
					Middle	-	0.4	32	-	-	-	-	-	-	-	-	-		-		-			
						-	0.4	31	-		-		-		-		-		-		-			
					Bottom	3.4	0.4	62	26.4	26.4	7.9	7.9	25.4	25.4	71.8	71.9	5.0		3.2		5			
						3.4	0.5	66	26.4		7.9		7.9		25.4		71.9		5.0		3.2			
SR3	Cloudy	Moderate	13:55	8.6	Surface	1.0	0.5	163	27.3	27.3	7.9	7.9	23.7	23.7	75.1	75.1	5.2	5.2	3.2	6.2	5	5	822158	807575
						1.0	0.5	167	27.3		7.9		7.9		23.7		75.1		5.2		3.2			
					Middle	4.3	0.4	163	27.1	27.1	7.9	7.9	26.0	26.0	73.8	73.8	5.1		6.7		3			
						4.3	0.5	157	27.1		7.9		7.9		26.0		73.8		5.1		6.7			
					Bottom	7.6	0.4	178	26.9	26.9	8.0	8.0	27.5	27.5	77.0	77.0	5.3		8.7		4			
						7.6	0.5	178	26.9		8.0		8.0		27.5		77.0		5.3		8.8			
SR4A	Cloudy	Moderate	12:11	9.7	Surface	1.0	0.1	102	27.1	27.1	7.9	7.9	26.4	26.4	79.3	79.3	5.4	5.4	5.4	7.4	5	5	817171	807802
						1.0	0.0	101	27.1		7.9		7.9		26.4		79.3		5.4		5.5			
					Middle	4.9	0.0	102	27.0	27.0	7.9	7.9	27.0	27.0	77.5	77.5	5.3		7.0		5			
						4.9	0.0	106	27.0		7.9		7.9		27.0		77.5		5.3		7.0			
					Bottom	8.7	0.1	83	27.0	27.0	7.9	7.9	27.6	27.6	76.9	77.0	5.3		9.7		4			
						8.7	0.1	83	27.0		7.9		7.9		27.6		77.0		5.3		9.8			
SR8	Misty	Moderate	13:32	4.2	Surface	1.0	-	-	26.7	26.8	7.9	7.9	22.7	22.7	71.6	71.7	5.1	5.1	3.3	4.0	3	4	820391	811636
						1.0	-	-	26.8		7.9		7.9		22.7		71.7		5.1		3.2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.2	-	-	26.6	26.6	7.9	7.9	23.7	23.7	71.3	71.4	5.0		4.9		5			
						3.2	-	-	26.6		7.9		7.9		23.7		71.4		5.0		4.8			

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 16 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	20:41	7.2	Surface	1.0	0.4	31	27.1	27.1	8.0	8.0	26.5	26.5	83.3	83.3	5.7	5.7	3.6	5.2	5	4	815597	804239
						1.0	0.4	32	27.1		8.0		26.5	83.2	5.7	3.6	3							
					Middle	3.6	0.4	20	26.8	26.8	8.0	8.0	28.4	28.4	81.5	81.5	5.6	5.3	5.2	5				
						3.6	0.4	12	26.8		8.0	28.4	81.5	5.6	5.2	5								
					Bottom	6.2	0.4	52	26.8	26.8	8.0	8.0	29.3	29.3	78.4	78.5	5.3	5.3	6.9	3				
						6.2	0.4	51	26.8		8.0	29.3	78.5	5.3	6.9	4								
C2	Cloudy	Rough	19:08	10.1	Surface	1.0	0.1	333	27.5	27.5	7.9	7.9	22.6	22.6	80.5	80.5	5.7	5.5	2.5	7.5	6	4	825699	806938
						1.0	0.1	329	27.5		7.9		22.6	80.5	5.7	2.5	5							
					Middle	5.1	0.1	332	27.0	27.0	7.9	7.9	26.4	26.4	76.7	76.7	5.3	4.9	9.6	4				
						5.1	0.1	336	27.0		7.9	26.4	76.7	5.3	9.5	4								
					Bottom	9.1	0.1	346	27.0	27.0	7.9	7.9	27.0	27.0	71.7	71.7	4.9	4.9	10.6	3				
						9.1	0.1	346	27.0		7.9	27.0	71.7	4.9	10.5	4								
C3	Misty	Moderate	19:27	10.2	Surface	1.0	0.4	252	26.3	26.3	8.0	8.0	26.6	26.7	72.0	72.0	5.0	5.0	1.0	1.8	8	9	822132	817788
						1.0	0.4	248	26.3		8.0		26.7	72.0	5.0	1.0	9							
					Middle	5.1	0.4	273	26.1	26.1	8.0	8.0	27.6	27.6	71.9	71.9	5.0	5.2	2.0	9				
						5.1	0.4	274	26.1		8.0	27.6	71.9	5.0	2.0	6								
					Bottom	9.2	0.4	268	26.2	26.2	8.0	8.0	27.8	27.7	74.3	74.5	5.1	5.2	2.5	12				
						9.2	0.4	272	26.2		8.0	27.7	74.7	5.2	2.5	7								
IM1	Cloudy	Rough	20:21	6.8	Surface	1.0	0.2	4	27.2	27.2	8.0	8.0	25.7	25.7	87.9	87.9	6.1	5.9	3.0	5.0	5	5	818358	806455
						1.0	0.1	9	27.1		8.0		25.7	87.8	6.1	3.0	5							
					Middle	3.4	0.2	34	26.9	26.9	8.0	8.0	28.3	28.3	81.6	81.6	5.6	5.3	4.5	6				
						3.4	0.2	38	26.9		8.0	28.3	81.6	5.6	4.6	5								
					Bottom	5.8	0.2	39	26.8	26.8	8.0	8.0	28.9	28.9	78.4	78.4	5.3	5.3	7.4	4				
						5.8	0.2	46	26.8		8.0	28.9	78.4	5.3	7.5	4								
IM2	Cloudy	Rough	20:08	7.1	Surface	1.0	0.2	15	27.1	27.1	8.0	8.0	26.6	26.5	86.1	86.2	5.9	5.9	2.8	4.7	3	5	819169	806228
						1.0	0.2	18	27.1		8.0		26.5	86.2	5.9	2.8	5							
					Middle	3.6	0.2	26	27.0	27.0	8.0	8.0	27.7	27.6	84.4	84.5	5.8	5.3	3.5	4				
						3.6	0.2	22	27.0		8.0	27.6	84.5	5.8	3.5	4								
					Bottom	6.1	0.3	349	26.8	26.8	8.0	8.0	29.0	29.0	78.3	78.4	5.3	5.3	7.9	6				
						6.1	0.3	342	26.8		8.0	29.0	78.4	5.3	7.8	6								
IM7	Cloudy	Rough	19:42	7.9	Surface	1.0	0.2	307	26.9	26.9	8.0	8.0	25.7	25.7	84.4	84.4	5.9	5.7	4.2	5.6	6	5	821327	806850
						1.0	0.2	313	26.9		8.0		25.7	84.3	5.9	4.2	7							
					Middle	4.0	0.2	314	26.9	26.9	8.0	8.0	27.7	27.7	77.1	77.1	5.4	4.5	5.3	4				
						4.0	0.2	311	26.8		8.0	27.7	77.1	5.4	5.3	4								
					Bottom	6.9	0.1	325	26.8	26.8	8.0	8.0	28.7	28.7	66.5	66.5	4.5	4.5	7.1	4				
						6.9	0.2	329	26.8		8.0	28.7	66.5	4.5	7.2	4								

DA: Depth-Averaged

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

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

**Water Quality Monitoring Results on 16 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
																									Value	DA
IM10	Misty	Moderate	18:30	9.8	Surface	1.0	0.2	246	26.9	26.9	7.9	7.9	20.1	20.1	73.9	73.9	5.3	5.1	2.0	3.5	12	7	822255	809826		
						1.0	0.2	249	26.9		7.9		7.9		20.1		73.9		5.3		2.0				9	
					Middle	4.9	0.2	237	26.4	26.4	8.0	8.0	24.6	24.6	69.5	69.5	4.9	4.8	4.0	4.8	4.0				4.8	6
						4.9	0.2	232	26.4		8.0		8.0		24.6		69.4		4.9		4.0					6
					Bottom	8.8	0.2	236	26.6	26.6	7.9	7.9	26.2	26.2	68.8	68.9	4.8	4.8	4.6	4.8	4.6				4.8	4
						8.8	0.3	237	26.6		7.9		7.9		26.2		68.9		4.8		4.5					3
IM11	Misty	Moderate	18:35	7.8	Surface	1.0	0.2	262	26.7	26.7	7.9	7.9	21.5	21.5	71.5	71.5	5.1	5.1	2.1	4.0	7	6	821477	810528		
						1.0	0.2	263	26.7		7.9		7.9		21.5		71.4		5.1		2.1				5	
					Middle	3.9	0.3	251	26.5	26.5	8.0	8.0	23.5	23.5	71.1	71.2	5.0	5.2	4.3	5.2	4.3				5.2	8
						3.9	0.3	257	26.5		8.0		8.0		23.6		71.2		5.0		4.3					6
					Bottom	6.8	0.3	264	26.5	26.5	8.0	8.0	24.2	24.2	73.3	73.4	5.2	5.2	5.7	5.2	5.7				5.2	6
						6.8	0.2	256	26.5		8.0		8.0		24.1		73.5		5.2		5.7					6
IM12	Misty	Moderate	18:39	7.2	Surface	1.0	0.3	292	26.8	26.8	7.9	7.9	21.0	21.1	71.6	71.6	5.1	5.0	2.0	3.3	13	8	821145	811506		
						1.0	0.2	285	26.8		7.9		7.9		21.1		71.5		5.1		2.0				9	
					Middle	3.6	0.3	288	26.5	26.5	7.9	7.9	24.0	24.0	69.7	69.7	4.9	5.0	3.9	5.0	3.8				5.0	6
						3.6	0.2	286	26.5		7.9		7.9		24.0		69.7		4.9		3.8					7
					Bottom	6.2	0.3	284	26.5	26.5	7.9	7.9	24.3	24.3	70.3	70.4	4.9	5.0	4.1	5.0	4.1				5.0	8
						6.2	0.3	286	26.5		7.9		7.9		24.3		70.5		5.0		4.1					7
SR1A	Misty	Moderate	18:53	5.4	Surface	1.0	0.0	186	26.7	26.7	7.9	7.9	23.1	23.1	73.5	73.5	5.2	5.2	1.3	1.8	8	9	819980	812654		
						1.0	0.0	190	26.7		7.9		7.9		23.1		73.5		5.2		1.3				13	
					Middle	2.7	-	196	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.7	0.0	189	-		-		-		-		-		-		-					-
					Bottom	4.4	0.0	177	26.7	26.8	7.9	7.9	23.1	23.1	73.9	74.0	5.2	5.2	2.3	5.2	2.3				5.2	9
						4.4	0.0	173	26.8		7.9		7.9		23.1		74.0		5.2		2.3					7
SR2	Misty	Moderate	19:11	4.0	Surface	1.0	0.2	231	26.7	26.7	7.9	7.9	22.5	22.5	72.6	72.7	5.1	5.1	2.5	2.8	10	9	821458	814158		
						1.0	0.2	229	26.7		7.9		7.9		22.5		72.7		5.1		2.5				10	
					Middle	-	0.1	249	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.1	248	-		-		-		-		-		-		-					
					Bottom	3.0	0.1	258	26.6	26.6	7.9	7.9	23.4	23.4	73.4	73.5	5.2	5.2	3.0	5.2	3.0				5.2	8
						3.0	0.1	261	26.6		7.9		7.9		23.4		73.5		5.2		3.0					7
SR3	Cloudy	Rough	19:29	8.4	Surface	1.0	0.2	318	27.3	27.3	7.9	7.9	23.6	23.6	80.9	80.9	5.6	5.5	3.7	5.5	4	5	822137	807548		
						1.0	0.2	316	27.3		7.9		7.9		23.6		80.9		5.6		3.8				4	
					Middle	4.2	0.2	317	27.1	27.1	7.9	7.9	25.9	25.9	77.8	77.9	5.4	5.4	6.4	5.4	6.3				5.4	6
						4.2	0.3	323	27.1		7.9		7.9		25.9		77.9		5.4		6.3					6
					Bottom	7.4	0.2	307	27.1	27.1	8.0	8.0	26.6	26.6	79.1	79.1	5.4	5.4	6.4	5.4	6.4				5.4	6
						7.4	0.2	299	27.1		8.0		8.0		26.7		79.1		5.4		6.4					6
SR4A	Cloudy	Moderate	21:07	9.1	Surface	1.0	0.0	173	27.3	27.3	8.0	8.0	26.7	26.7	81.0	81.0	5.5	5.5	3.3	4.9	9	9	817168	807794		
						1.0	0.0	173	27.3		8.0		8.0		26.7		80.9		5.5		3.3				6	
					Middle	4.6	0.0	180	27.2	27.2	8.0	8.0	27.1	27.1	78.4	78.3	5.4	5.2	4.1	5.2	4.1				5.2	11
						4.6	0.0	185	27.2		8.0		8.0		27.1		78.3		5.4		4.1					10
					Bottom	8.1	0.0	161	27.0	27.0	8.0	8.0	27.5	27.5	76.4	76.5	5.2	5.2	7.3	5.2	7.3				5.2	10
						8.1	0.0	160	27.0		8.0		8.0		27.5		76.5		5.2		7.3					9
SR8	Misty	Moderate	18:43	4.6	Surface	1.0	-	-	26.8	26.8	7.9	7.9	21.5	21.5	72.9	72.9	5.2	5.2	3.6	3.8	9	9	820391	811616		
						1.0	-	-	26.8		7.9		7.9		21.5		72.9		5.2		3.6				9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					-
					Bottom	3.6	-	-	26.9	26.9	7.9	7.9	23.0	23.0	74.3	74.4	5.2	5.2	4.0	5.2	4.0				5.2	9
						3.6	-	-	26.9		7.9		7.9		23.0		74.4		5.2		4.0					8

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 19 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
C1	Cloudy	Moderate	15:13	8.2	Surface	1.0	0.4	195	28.1	28.1	8.0	8.0	21.7	21.7	83.9	84.0	5.8	5.7	5.8	7.9	7	7	815608	804225			
						1.0	0.4	192	28.1		8.0	8.0	21.7	21.7	84.0	84.0	5.8		5.8								
					Middle	4.1	0.3	198	27.0	27.0	8.0	8.0	30.3	30.3	81.6	81.6	5.5	5.5	5.5	5.5	5.5				5.5	8.3	7
						4.1	0.4	196	27.0		8.0	8.0	30.3	30.3	81.6	81.6	5.5		5.5		8.9						
					Bottom	7.2	0.3	193	27.0	27.0	8.0	8.0	30.2	30.2	81.8	81.9	5.5	5.5	5.5	5.5	5.5				5.5	9.2	7
						7.2	0.3	188	27.0		8.0	8.0	30.2	30.2	81.9	81.9	5.5		5.5		9.6					6	
C2	Cloudy	Rough	13:36	11.3	Surface	1.0	0.1	152	28.2	28.2	7.8	7.8	19.6	19.6	71.8	71.8	5.0	5.0	3.0	6.5	5	4	825664	806922			
						1.0	0.0	157	28.2		7.8	7.8	19.6	19.6	71.7	71.8	5.0		5.0		3.2						
					Middle	5.7	0.0	177	28.0	28.0	7.8	7.8	22.4	22.4	70.6	70.7	4.9	4.9	4.9	4.9	4.9				4.9	6.4	4
						5.7	0.0	173	28.0		7.8	7.8	22.4	22.4	70.7	70.7	4.9		4.9		6.2						
					Bottom	10.3	0.0	179	27.8	27.9	7.9	7.9	24.3	24.3	70.8	70.8	4.9	4.9	4.9	4.9	4.9				4.9	10.2	4
						10.3	0.0	176	28.0		7.9	7.9	24.2	24.3	70.7	70.8	4.8		4.8		10.3					4	
C3	Sunny	Moderate	14:37	11.0	Surface	1.0	0.3	78	27.9	27.9	7.9	7.9	22.9	23.0	76.8	76.8	5.3	5.3	1.0	1.5	6	6	822115	817806			
						1.0	0.4	83	27.9		7.9	7.9	23.0	23.0	76.8	76.8	5.3		5.3		1.0						
					Middle	5.5	0.3	93	27.3	27.3	8.0	8.0	24.7	24.7	76.3	76.3	5.3	5.3	5.3	5.3	5.3				5.3	1.3	6
						5.5	0.3	88	27.2		8.0	8.0	24.7	24.7	76.2	76.2	5.3		5.3		1.3						
					Bottom	10.0	0.4	88	26.9	26.9	8.0	8.0	26.9	26.9	75.6	75.6	5.2	5.2	5.2	5.2	5.2				5.2	2.0	5
						10.0	0.3	89	26.9		8.0	8.0	26.9	26.9	75.6	75.6	5.2		5.2		2.0					6	
IM1	Cloudy	Moderate	14:46	7.2	Surface	1.0	0.2	202	27.9	27.9	8.0	8.0	22.1	22.1	83.3	83.4	5.8	5.8	8.0	9.3	5	5	818352	806439			
						1.0	0.2	197	27.9		8.0	8.0	22.2	22.1	83.4	83.4	5.8		5.8		8.2						
					Middle	3.6	0.2	172	27.7	27.7	8.0	8.0	23.2	23.2	84.2	84.3	5.8	5.8	5.8	5.8	5.8				5.8	9.0	6
						3.6	0.3	168	27.6		8.0	8.0	23.2	23.2	84.3	84.3	5.8		5.8		10.0						
					Bottom	6.2	0.2	194	27.3	27.3	8.0	8.0	28.1	28.1	79.4	79.4	5.4	5.4	5.4	5.4	5.4				5.4	10.5	6
						6.2	0.1	196	27.3		8.0	8.0	28.1	28.1	79.4	79.4	5.4		5.4		10.2					5	
IM2	Cloudy	Moderate	14:41	7.4	Surface	1.0	0.2	177	27.9	27.9	8.0	8.0	22.3	22.3	84.4	84.5	5.8	5.8	5.1	8.3	5	5	819183	806244			
						1.0	0.2	178	27.8		8.0	8.0	22.3	22.3	84.6	84.5	5.9		5.9		5.3						
					Middle	3.7	0.2	200	27.4	27.4	8.0	8.0	26.9	26.9	83.6	83.5	5.7	5.7	5.7	5.7	5.7				5.7	7.2	5
						3.7	0.2	195	27.4		8.0	8.0	26.9	26.9	83.3	83.3	5.7		5.7		7.8						
					Bottom	6.4	0.2	203	27.3	27.3	8.0	8.0	27.6	27.6	81.3	81.3	5.5	5.5	5.5	5.5	5.5				5.5	12.1	4
						6.4	0.2	210	27.3		8.0	8.0	27.6	27.6	81.3	81.3	5.5		5.5		12.1					5	
IM7	Cloudy	Rough	14:05	8.6	Surface	1.0	0.2	93	28.5	28.5	7.8	7.8	17.8	17.8	75.5	75.6	5.3	5.4	3.1	4.6	4	5	821368	806843			
						1.0	0.1	92	28.5		7.8	7.8	17.8	17.8	75.7	75.6	5.3		5.3		3.2						
					Middle	4.3	0.1	105	28.1	28.1	7.9	7.9	20.5	20.5	77.1	77.0	5.4	5.4	5.4	5.4	5.4				5.4	3.7	5
						4.3	0.1	110	28.1		7.9	7.9	20.5	20.5	76.9	76.9	5.4		5.4		3.9						
					Bottom	7.6	0.1	118	27.8	27.8	7.9	7.9	24.6	24.6	75.3	75.3	5.2	5.2	5.2	5.2	5.2				5.2	6.7	6
						7.6	0.2	121	27.8		7.9	7.9	24.6	24.6	75.3	75.3	5.2		5.2		6.8					6	

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 19 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Sunny	Moderate	13:40	9.6	Surface	1.0	0.2	97	27.9	27.9	7.8	7.8	15.9	15.9	68.1	68.0	4.9	4.9	2.2	2.8	4	6	822236	809833			
						1.0	0.3	96	27.9		7.8	7.8	15.9	15.9	67.9	68.0	4.9		2.1		6						
					Middle	4.8	0.3	96	27.3	27.3	7.9	7.9	19.9	19.9	67.0	67.0	4.8	4.8	2.7	4.7	5				5.1	6	5
						4.8	0.2	101	27.2		7.9	7.9	19.9	19.9	67.0	67.0	4.8		2.7		6						
					Bottom	8.6	0.2	89	27.3	27.4	7.9	7.9	23.7	23.6	67.2	67.4	4.7	4.7	3.4	4.7	6				5.1	7	6
						8.6	0.2	85	27.4		7.9	7.9	23.6	23.6	67.5	67.4	4.7		3.5		7						
IM11	Sunny	Moderate	13:45	7.6	Surface	1.0	0.2	74	27.5	27.5	7.8	7.8	19.9	20.0	68.7	68.7	4.9	4.9	1.0	1.9	8	6	821514	810535			
						1.0	0.2	79	27.5		7.8	7.8	20.0	20.0	68.7	68.7	4.9		1.0		6						
					Middle	3.8	0.2	72	27.3	27.3	7.9	7.9	21.2	21.2	68.5	68.5	4.8	4.8	1.9	4.8	6				5.1	5	
						3.8	0.2	78	27.3		7.9	7.9	21.2	21.2	68.5	68.5	4.8		1.9		5						
					Bottom	6.6	0.3	72	27.3	27.3	7.9	7.9	22.1	22.1	68.9	69.0	4.8	4.8	2.9	4.8	5				5.1	5	
						6.6	0.2	76	27.3		7.9	7.9	22.0	22.0	69.1	69.0	4.8		2.9		4						
IM12	Sunny	Moderate	13:49	7.2	Surface	1.0	0.2	95	27.9	27.9	7.8	7.8	18.2	18.2	72.4	72.4	5.1	5.1	1.0	1.8	5	5	821157	811514			
						1.0	0.3	88	27.9		7.8	7.8	18.3	18.2	72.4	72.4	5.1		1.0		5						
					Middle	3.6	0.2	113	27.6	27.6	7.9	7.9	20.6	20.6	72.2	72.2	5.1	5.1	1.9	5.1	6				5.1	6	
						3.6	0.2	116	27.6		7.9	7.9	20.6	20.6	72.1	72.2	5.1		2.0		5						
					Bottom	6.2	0.2	84	27.3	27.4	7.9	7.9	22.0	22.0	72.3	72.4	5.1	5.1	2.6	5.1	6				5.1	6	
						6.2	0.3	90	27.4		7.9	7.9	22.0	22.0	72.4	72.4	5.1		2.5		5						
SR1A	Sunny	Moderate	14:03	4.0	Surface	1.0	0.0	14	27.8	27.8	7.9	7.9	19.5	19.5	74.0	73.9	5.2	5.2	3.0	3.6	3	4	819982	812653			
						1.0	0.0	9	27.7		7.9	7.9	19.5	19.5	73.7	73.9	5.2		3.0		4						
					Middle	2.0	0.1	22	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.0	0.1	27	-		-	-	-	-	-	-	-		-		-						
					Bottom	3.0	0.0	24	27.4	27.5	7.9	7.9	22.3	22.3	72.4	72.5	5.1	5.1	4.3	5.1	4				5.1	4	
						3.0	0.0	25	27.5		7.9	7.9	22.2	22.3	72.6	72.5	5.1		4.2		4						
SR2	Sunny	Moderate	14:21	4.4	Surface	1.0	0.2	48	28.3	28.3	7.8	7.8	18.2	18.2	76.2	76.3	5.4	5.4	1.1	1.3	5	6	821481	814187			
						1.0	0.2	42	28.2		7.8	7.8	18.3	18.2	76.3	76.3	5.4		1.1		6						
					Middle	-	0.2	65	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.2	63	-		-	-	-	-	-	-	-		-		-						
					Bottom	3.4	0.1	69	28.1	28.1	7.8	7.8	20.5	20.4	77.3	77.5	5.4	5.4	1.4	5.4	5				5.4	5	
						3.4	0.2	68	28.1		7.8	7.8	20.4	20.4	77.6	77.5	5.4		1.4		6						
SR3	Cloudy	Rough	13:57	8.7	Surface	1.0	0.1	127	28.3	28.3	7.7	7.7	19.7	19.7	70.4	70.4	4.9	4.9	2.1	5.1	4	5	822128	807566			
						1.0	0.1	132	28.3		7.7	7.7	19.7	19.7	70.4	70.4	4.9		2.1		5						
					Middle	4.4	0.2	118	28.0	28.0	7.8	7.8	21.7	21.7	70.1	70.1	4.9	4.9	4.4	5.1	5				5.1	5	
						4.4	0.2	123	28.0		7.8	7.8	21.7	21.7	70.1	70.1	4.9		4.5		4						
					Bottom	7.7	0.2	159	27.9	27.9	7.8	7.8	23.1	23.1	72.0	72.1	5.0	5.0	8.6	5.0	5				5.0	5	
						7.7	0.1	155	27.9		7.8	7.8	23.1	23.1	72.1	72.1	5.0		8.7		4						
SR4A	Cloudy	Moderate	15:42	9.3	Surface	1.0	0.0	71	28.5	28.5	7.9	7.9	20.4	20.3	81.9	82.0	5.7	5.4	3.9	7.0	8	7	817197	807813			
						1.0	0.0	66	28.5		7.9	7.9	20.3	20.3	82.1	82.0	5.7		4.1		8						
					Middle	4.7	0.0	75	27.7	27.7	7.9	7.9	24.3	24.4	73.2	73.2	5.0	5.0	6.4	5.0	7				5.0	7	
						4.7	0.0	67	27.7		7.9	7.9	24.4	24.4	73.1	73.2	5.0		6.7		8						
					Bottom	8.3	0.0	69	27.7	27.7	7.9	7.9	25.0	25.0	73.2	73.3	5.0	5.0	10.2	5.0	6				5.0	6	
						8.3	0.0	71	27.7		7.9	7.9	25.0	25.0	73.4	73.3	5.0		10.5		7						
SR8	Sunny	Moderate	13:53	4.1	Surface	1.0	-	-	28.1	28.1	7.8	7.8	17.3	17.2	71.6	71.5	5.1	5.1	2.8	3.2	3	5	820374	811635			
						1.0	-	-	28.0		7.8	7.8	17.2	17.2	71.4	71.5	5.1		2.8		4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-		-	-	-	-	-	-	-		-		-						
					Bottom	3.1	-	-	27.3	27.3	7.9	7.9	22.4	22.4	71.3	71.4	5.0	5.0	3.7	5.0	6				5.0	6	
						3.1	-	-	27.3		7.9	7.9	22.4	22.4	71.4	71.4	5.0		3.6		7						

DA: Depth-Averaged

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Cloudy	Moderate	09:13	8.0	Surface	1.0	0.4	21	27.8	27.8	7.9	7.9	22.1	22.1	80.4	80.4	5.6	5.6	5.6	5.6	9.1	6.2	5	815628	804252
						1.0	0.3	20	27.8		7.9		22.1		80.4		6.1								
					Middle	4.0	0.4	48	27.1	27.1	8.0	8.0	29.7	29.7	81.3	81.3	5.5	5.5	8.5	5	5				
						4.0	0.4	45	27.0		8.0		29.8		81.2		5.5		8.6						
					Bottom	7.0	0.4	55	27.0	27.0	8.0	8.0	30.5	30.5	81.0	81.1	5.5	5.5	12.5	5	5				
						7.0	0.4	51	27.0		8.0		30.5		81.1		5.5		12.9		4				
C2	Cloudy	Moderate	10:48	11.0	Surface	1.0	0.4	353	28.5	28.5	7.7	7.7	16.6	16.5	71.8	71.9	5.1	5.1	5.1	5.1	4.8	2.8	4	825667	806942
						1.0	0.4	356	28.5		7.7		16.5		71.9		5.1					2.8			
					Middle	5.5	0.5	10	28.0	28.0	7.8	7.8	21.3	21.3	71.8	71.9	5.0	5.0	4.3	4	5				
						5.5	0.5	9	28.0		7.8		21.3		71.9		5.0		4.4						
					Bottom	10.0	0.5	358	27.9	27.9	7.8	7.8	23.0	23.1	73.4	73.5	5.1	5.1	6.9	5	5				
						10.0	0.5	357	27.9		7.8		23.2		73.5		5.1		7.2		4				
C3	Sunny	Moderate	09:13	11.0	Surface	1.0	0.4	274	27.1	27.1	8.0	8.0	25.2	25.3	74.4	74.4	5.1	5.1	5.1	5.1	3.2	1.9	5	822100	817808
						1.0	0.5	273	27.1		8.0		25.3		74.3		5.1					2.0			
					Middle	5.5	0.5	249	26.8	26.8	8.0	8.0	26.9	26.9	73.4	73.4	5.1	5.0	3.0	4	5				
						5.5	0.5	253	26.8		8.0		26.9		73.4		5.0		3.0						
					Bottom	10.0	0.4	261	26.6	26.6	8.0	8.0	28.1	28.1	73.0	73.0	5.0	5.0	4.8	6	6				
						10.0	0.5	265	26.6		8.0		28.1		73.0		5.0		4.8		6				
IM1	Cloudy	Moderate	09:40	6.9	Surface	1.0	0.3	11	27.7	27.7	7.9	7.9	23.7	23.7	76.7	76.6	5.3	5.3	5.3	5.2	9.2	8.5	6	818346	806461
						1.0	0.3	7	27.7		7.9		23.7		76.5		5.3					8.5			
					Middle	3.5	0.3	1	27.6	27.6	7.9	7.9	25.3	25.3	75.0	75.0	5.1	5.1	9.4	5	5				
						3.5	0.3	355	27.6		7.9		25.3		75.0		5.1		9.4						
					Bottom	5.9	0.3	2	27.5	27.5	7.9	7.9	26.3	26.3	75.8	75.8	5.2	5.2	9.9	6	6				
						5.9	0.3	0	27.5		7.9		26.3		75.8		5.2		9.7		5				
IM2	Cloudy	Moderate	09:45	7.0	Surface	1.0	0.3	2	27.7	27.7	7.9	7.9	23.8	23.8	76.5	76.5	5.3	5.3	5.3	5.3	9.0	7.9	5	819165	806239
						1.0	0.3	1	27.7		7.9		23.8		76.5		5.3					7.8			
					Middle	3.5	0.2	355	27.6	27.6	7.9	7.9	25.0	25.1	76.1	76.2	5.2	5.2	8.8	4	5				
						3.5	0.2	349	27.6		7.9		25.1		76.3		5.2		8.4						
					Bottom	6.0	0.3	37	27.4	27.4	8.0	8.0	26.4	26.4	77.6	77.6	5.3	5.3	10.7	5	5				
						6.0	0.2	36	27.4		8.0		26.4		77.6		5.3		10.3		6				
IM7	Cloudy	Moderate	10:20	8.1	Surface	1.0	0.3	16	28.7	28.7	7.7	7.7	17.0	17.0	74.3	74.2	5.2	5.2	5.3	5.3	4.8	3.5	3	821329	806822
						1.0	0.3	18	28.7		7.7		17.0		74.1		5.2					3.5			
					Middle	4.1	0.2	3	28.1	28.1	7.9	7.9	20.7	20.7	76.8	76.8	5.4	5.4	4.2	4	4				
						4.1	0.3	3	28.1		7.9		20.7		76.8		5.4		4.2						
					Bottom	7.1	0.2	13	27.8	27.8	7.9	7.9	24.1	24.1	76.8	76.8	5.3	5.3	6.5	3	3				
						7.1	0.2	12	27.8		7.9		24.1		76.8		5.3		6.6		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 19 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
IM10	Sunny	Moderate	10:52	8.8	Surface	1.0	0.4	287	28.0	28.0	7.8	7.8	15.5	15.5	69.0	68.9	5.0	4.9	2.3	3.4	3	4	822248	809839			
						1.0	0.4	280	27.9	7.8	7.8	15.5	15.5	68.8	68.9	5.0	4.9	2.4	3.4	4	4						
						4.4	0.4	283	27.3	7.9	7.9	20.7	20.7	68.3	68.4	4.8	4.9	3.8	3.4	5	4						
					Middle	4.4	0.4	289	27.3	7.9	7.9	20.7	20.7	68.4	68.4	4.8	4.9	3.9	3.4	4	4						
						7.8	0.4	282	27.4	7.8	7.8	22.7	22.6	70.3	70.4	4.9	4.9	4.1	3.4	4	4						
						7.8	0.4	284	27.4	7.8	7.8	22.6	22.6	70.5	70.4	4.9	4.9	4.1	3.4	4	4						
IM11	Sunny	Moderate	10:45	9.2	Surface	1.0	0.4	272	28.0	28.0	7.8	7.8	17.1	17.2	72.8	72.8	5.2	5.1	1.2	2.3	6	4	821493	810522			
						1.0	0.4	278	28.0	7.8	7.8	17.3	17.2	72.8	72.8	5.2	5.1	1.2	2.3	5	4						
						4.6	0.4	301	27.5	7.9	7.9	22.4	22.4	72.3	72.3	5.0	5.1	2.5	2.3	3	4						
					Middle	4.6	0.5	298	27.5	7.9	7.9	22.4	22.4	72.3	72.3	5.0	5.1	2.5	2.3	4	4						
						8.2	0.4	259	27.2	7.9	7.9	22.5	22.5	73.4	73.5	5.1	5.1	3.0	2.3	4	4						
						8.2	0.5	261	27.2	7.9	7.9	22.5	22.5	73.5	73.5	5.1	5.1	3.0	2.3	3	4						
IM12	Sunny	Moderate	10:37	8.4	Surface	1.0	0.4	298	28.8	28.8	7.7	7.7	15.8	15.9	74.9	74.9	5.3	5.3	1.1	1.4	4	4	821184	811524			
						1.0	0.4	297	28.8	7.7	7.7	15.9	15.9	74.9	74.9	5.3	5.3	1.1	1.4	3	4						
						4.2	0.4	283	28.0	7.8	7.8	17.7	17.7	74.5	74.6	5.3	5.4	1.5	1.4	5	4						
					Middle	4.2	0.5	275	28.0	7.8	7.8	17.6	17.6	74.6	74.6	5.3	5.4	1.4	1.4	4	4						
						7.4	0.4	276	27.8	7.9	7.9	19.6	19.6	76.0	76.1	5.4	5.4	1.8	1.4	4	4						
						7.4	0.4	281	27.8	7.9	7.9	19.6	19.6	76.1	76.1	5.4	5.4	1.8	1.4	5	4						
SR1A	Sunny	Moderate	09:48	4.0	Surface	1.0	0.0	204	27.5	27.5	7.9	7.9	20.0	20.0	72.7	72.7	5.1	5.1	4.0	4.5	4	3	819981	812653			
						1.0	0.0	201	27.5	7.9	7.9	20.0	20.0	72.7	72.7	5.1	5.1	4.0	4.5	4	3						
						2.0	0.1	196	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
					Middle	2.0	0.1	196	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						3.0	0.0	221	27.3	7.9	7.9	22.6	22.6	73.2	73.3	5.1	5.1	5.1	5.1	5.1	5.1	3			3		
						3.0	0.0	221	27.3	7.9	7.9	22.6	22.6	73.4	73.3	5.1	5.1	5.0	5.1	5.0	5.1	2			3		
SR2	Sunny	Moderate	09:34	5.4	Surface	1.0	0.1	235	27.4	27.4	7.9	7.9	20.8	20.8	72.3	72.3	5.1	5.1	3.5	4.5	3	3	821441	814174			
						1.0	0.1	239	27.3	7.9	7.9	20.8	20.8	72.2	72.2	5.1	5.1	3.5	4.5	3	3						
						-	0.1	215	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
					Middle	-	0.2	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						4.4	0.2	248	26.9	7.9	7.9	24.7	24.7	71.6	71.7	5.0	5.0	5.5	5.0	5.0	5.0	4			4		
						4.4	0.1	243	26.9	7.9	7.9	24.7	24.7	71.7	71.7	5.0	5.0	5.6	5.0	5.0	5.0	2			4		
SR3	Cloudy	Moderate	10:27	9.1	Surface	1.0	0.4	338	28.4	28.4	7.7	7.7	18.9	18.9	71.0	71.0	5.0	5.0	2.5	6.9	3	3	822162	807552			
						1.0	0.3	338	28.4	7.7	7.7	18.9	18.9	71.0	71.0	5.0	5.0	2.5	6.9	3	3						
						4.6	0.4	339	28.0	7.8	7.8	21.6	21.6	69.9	69.9	4.9	4.9	6.4	6.9	3	3						
					Middle	4.6	0.4	344	28.0	7.8	7.8	21.6	21.6	69.9	69.9	4.9	4.9	6.9	6.9	3	3						
						8.1	0.4	356	27.8	7.9	7.9	23.8	23.8	75.3	75.4	5.2	5.2	11.3	7.5	5.2	5.2	3			3		
						8.1	0.4	354	27.8	7.9	7.9	23.8	23.8	75.4	75.4	5.2	5.2	11.6	7.5	5.2	5.2	3			3		
SR4A	Cloudy	Moderate	08:52	9.0	Surface	1.0	0.0	175	28.1	28.1	7.8	7.8	19.9	19.9	77.9	78.0	5.5	5.4	8.8	9.4	5	5	817181	807801			
						1.0	0.1	172	28.1	7.8	7.8	20.0	19.9	78.0	78.0	5.5	5.4	8.2	9.4	6	5						
						4.5	0.0	160	27.9	7.8	7.8	21.8	21.8	74.8	74.8	5.2	5.0	9.2	9.4	4	5						
					Middle	4.5	0.0	160	27.9	7.8	7.8	21.8	21.8	74.7	74.8	5.2	5.0	9.6	9.4	5	5						
						8.0	0.0	165	27.8	7.8	7.8	24.3	24.2	73.2	73.3	5.0	5.0	10.5	7.3	3	3						
						8.0	0.0	159	27.8	7.8	7.8	24.2	24.2	73.3	73.3	5.0	5.0	10.2	7.3	4	3						
SR8	Sunny	Moderate	10:28	4.2	Surface	1.0	-	-	28.0	28.0	7.9	7.9	20.1	20.2	73.3	73.3	5.1	5.1	1.9	2.4	5	5	820372	811617			
						1.0	-	-	28.0	7.9	7.9	20.2	20.2	73.3	73.3	5.1	5.1	1.9	2.4	4	5						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
						3.2	-	-	28.0	28.0	7.8	7.8	20.7	20.7	75.7	75.8	5.3	5.3	3.0	5.3	4	5					
						3.2	-	-	28.0	7.8	7.8	20.7	20.7	75.9	75.9	5.3	5.3	3.0	5.3	5	5						

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	17:31	8.4	Surface	1.0	0.2	219	28.8	28.8	8.0	8.0	14.8	14.8	84.0	83.9	6.0	5.4	2.2	6.3	3	3	815610	804231
						1.0	0.1	224	28.8	8.0	8.0	14.8	14.8	83.8	83.9	6.0	5.4	2.2	6.3	3				
					Middle	4.2	0.2	213	27.4	27.4	7.9	7.9	22.2	22.2	68.1	68.1	4.8	4.7	6.1	6.3	3			
						4.2	0.2	217	27.4	27.4	7.9	7.9	22.2	22.2	68.1	68.1	4.8	4.7	6.1	6.3	2			
					Bottom	7.4	0.2	229	27.3	27.3	7.9	7.9	22.7	22.7	67.6	67.7	4.7	4.7	11.0	6.3	2			
						7.4	0.2	224	27.3	27.3	7.9	7.9	22.7	22.7	67.8	67.7	4.7	4.7	10.1	6.3	3			
C2	Cloudy	Rough	15:50	12.0	Surface	1.0	0.1	178	28.9	28.9	7.8	7.8	10.0	10.0	79.6	79.6	5.8	5.3	4.1	7.4	3	3	825676	806959
						1.0	0.1	179	28.9	28.9	7.8	7.8	10.1	10.0	79.5	79.6	5.8	5.3	4.1	7.4	3			
					Middle	6.0	0.1	194	27.7	27.7	7.9	7.9	20.9	20.9	69.1	69.1	4.8	4.8	8.9	7.4	2			
						6.0	0.1	193	27.7	27.7	7.9	7.9	20.9	20.9	69.0	69.1	4.8	4.8	8.2	7.4	3			
					Bottom	11.0	0.1	199	27.6	27.6	7.9	7.8	21.9	21.9	69.1	69.2	4.8	4.8	9.2	7.4	3			
						11.0	0.1	200	27.6	27.6	7.8	7.8	21.9	21.9	69.2	69.2	4.8	4.8	9.8	7.4	3			
C3	Sunny	Moderate	16:35	10.2	Surface	1.0	0.1	52	24.4	24.4	7.9	7.9	22.0	21.9	100.4	100.4	7.4	7.2	2.9	2.7	3	2	822089	817783
						1.0	0.1	45	24.4	24.4	7.9	7.9	21.9	21.9	100.4	100.4	7.4	7.2	2.9	2.7	2			
					Middle	5.1	0.1	51	23.6	23.6	7.9	7.9	23.8	23.7	94.6	94.7	7.0	7.0	3.0	2.7	2			
						5.1	0.2	53	23.6	23.6	7.9	7.9	23.6	23.7	94.8	94.7	7.0	7.0	3.1	2.7	3			
					Bottom	9.2	0.1	86	23.3	23.3	7.9	7.9	26.5	26.5	91.4	91.5	6.7	6.7	2.1	2.7	2			
						9.2	0.1	89	23.3	23.3	7.9	7.9	26.6	26.5	91.5	91.5	6.7	6.7	2.1	2.7	2			
IM1	Cloudy	Moderate	17:07	7.2	Surface	1.0	0.1	179	28.3	28.3	8.0	8.0	15.6	15.6	86.0	86.0	6.1	5.5	3.7	5.0	2	3	818351	806456
						1.0	0.1	180	28.3	28.3	8.0	8.0	15.6	15.6	86.0	86.0	6.1	5.5	3.7	5.0	2			
					Middle	3.6	0.2	210	27.4	27.4	7.9	7.9	22.5	22.5	69.7	69.7	4.9	4.9	6.9	5.0	3			
						3.6	0.2	214	27.4	27.4	7.9	7.9	22.5	22.5	69.7	69.7	4.9	4.9	6.7	5.0	3			
					Bottom	6.2	0.2	195	27.2	27.2	7.9	7.9	24.1	24.2	70.9	71.0	4.9	4.9	4.4	5.0	5			
						6.2	0.2	197	27.2	27.2	7.9	7.9	24.2	24.2	71.1	71.0	4.9	4.9	4.3	5.0	4			
IM2	Cloudy	Moderate	17:00	7.4	Surface	1.0	0.2	193	28.2	28.2	8.0	8.0	15.8	15.8	84.9	84.9	6.1	5.7	3.2	6.0	3	3	819188	806249
						1.0	0.2	197	28.2	28.2	8.0	8.0	15.7	15.8	84.9	84.9	6.1	5.7	3.2	6.0	3			
					Middle	3.7	0.1	192	27.5	27.5	8.0	8.0	21.8	21.8	74.7	74.7	5.2	5.2	4.4	6.0	3			
						3.7	0.1	190	27.5	27.5	8.0	8.0	21.8	21.8	74.7	74.7	5.2	5.2	4.4	6.0	3			
					Bottom	6.4	0.1	218	26.9	26.9	8.0	8.0	25.9	25.9	71.2	71.3	4.9	4.9	10.8	6.0	3			
						6.4	0.1	217	26.9	26.9	8.0	8.0	25.9	25.9	71.3	71.3	4.9	4.9	10.2	6.0	4			
IM7	Cloudy	Rough	16:24	8.4	Surface	1.0	0.1	188	28.3	28.3	7.9	7.9	13.6	13.6	76.0	76.0	5.5	5.4	3.6	5.2	3	3	821337	806833
						1.0	0.1	182	28.3	28.3	7.9	7.9	13.6	13.6	76.0	76.0	5.5	5.4	3.6	5.2	4			
					Middle	4.2	0.1	163	28.0	28.0	7.9	7.9	17.1	17.1	75.0	75.1	5.3	5.2	3.0	5.2	3			
						4.2	0.0	163	28.0	28.0	7.9	7.9	17.1	17.1	75.2	75.2	5.4	5.2	3.0	5.2	3			
					Bottom	7.4	0.1	179	27.3	27.3	8.0	8.0	23.2	23.2	75.2	75.2	5.2	5.2	9.6	5.2	3			
						7.4	0.1	176	27.3	27.3	8.0	8.0	23.3	23.2	75.2	75.2	5.2	5.2	8.7	5.2	2			

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	15:11	9.0	Surface	1.0	0.0	79	23.5	7.9	7.9	18.5	18.5	82.5	82.4	6.3	6.0	6.0	5.2	3	3	822253	809841	
						1.0	0.0	76	23.5	7.9	7.9	18.6	18.5	82.3	82.4	6.3								
					Middle	4.5	0.0	72	23.0	7.9	7.9	25.4	25.4	75.2	75.3	5.6								
						4.5	0.0	78	23.0	7.9	7.9	25.5	25.4	75.3	75.3	5.6								
					Bottom	8.0	0.1	59	23.2	7.9	7.9	25.6	25.6	75.9	76.1	5.6								
						8.0	0.0	58	23.2	7.9	7.9	25.6	25.6	76.2	76.1	5.6								
IM11	Sunny	Moderate	15:41	6.8	Surface	1.0	0.1	82	23.4	7.9	7.9	18.3	18.3	86.5	86.2	6.6	6.3	6.1	5.6	3	3	821483	810557	
						1.0	0.1	78	23.3	7.9	7.9	18.3	18.3	85.9	86.2	6.6								
					Middle	3.4	0.1	74	23.1	7.9	7.9	25.5	25.5	80.0	80.1	5.9								
						3.4	0.0	73	23.1	7.9	7.9	25.5	25.5	80.2	80.1	5.9								
					Bottom	5.8	0.1	94	23.1	7.9	7.9	25.6	25.6	81.4	81.8	6.0								
						5.8	0.1	96	23.1	7.9	7.9	25.6	25.6	82.2	81.8	6.1								
IM12	Sunny	Moderate	15:47	7.0	Surface	1.0	0.1	110	23.3	7.9	7.8	21.8	21.9	81.3	81.2	6.1	6.0	6.0	4.5	3	3	821175	811508	
						1.0	0.1	109	23.3	7.8	7.8	22.1	21.9	81.0	81.2	6.1								
					Middle	3.5	0.1	107	23.1	7.8	7.8	25.4	25.6	80.2	80.4	5.9								
						3.5	0.1	109	23.1	7.9	7.8	25.8	25.6	80.5	80.4	6.0								
					Bottom	6.0	0.1	77	23.1	7.9	7.9	25.8	25.8	80.7	80.8	6.0								
						6.0	0.1	83	23.1	7.9	7.9	25.8	25.8	80.9	80.8	6.0								
SR1A	Sunny	Moderate	16:02	4.0	Surface	1.0	0.0	20	23.7	7.9	7.9	21.2	21.1	81.5	81.5	6.1	6.1	5.6	5.9	3	3	819976	812662	
						1.0	0.1	25	23.7	7.9	7.9	21.1	21.1	81.5	81.5	6.1								
					Middle	2.0	0.0	10	-	-	-	-	-	-	-	-								
						2.0	0.0	15	-	-	-	-	-	-	-	-								
					Bottom	3.0	0.1	36	23.0	7.9	7.9	24.1	25.2	75.4	75.7	5.6								
						3.0	0.1	37	23.0	7.9	7.9	26.3	25.2	76.0	75.7	5.6								
SR2	Sunny	Moderate	16:18	4.2	Surface	1.0	0.1	35	23.6	7.9	7.9	21.6	21.7	84.5	84.5	6.3	6.3	6.4	3.5	3	3	821472	814157	
						1.0	0.1	41	23.5	7.9	7.9	21.7	21.7	84.5	84.5	6.3								
					Middle	-	0.1	29	-	-	-	-	-	-	-	-								
						-	0.0	24	-	-	-	-	-	-	-	-								
					Bottom	3.2	0.1	20	23.3	7.9	7.9	22.3	22.4	85.4	85.7	6.4								
						3.2	0.2	16	23.3	7.9	7.9	22.6	22.4	85.9	85.7	6.4								
SR3	Cloudy	Rough	16:17	9.2	Surface	1.0	0.1	172	28.8	7.9	7.9	10.7	10.7	79.3	79.4	5.8	5.4	5.0	6.5	3	3	822155	807553	
						1.0	0.2	168	28.9	7.9	7.9	10.7	10.7	79.5	79.4	5.8								
					Middle	4.6	0.1	151	27.9	7.9	7.9	19.4	19.4	70.2	70.2	5.0								
						4.6	0.0	149	27.8	7.9	7.9	19.4	19.4	70.2	70.2	5.0								
					Bottom	8.2	0.1	169	27.8	7.9	7.9	19.8	19.8	71.1	71.2	5.0								
						8.2	0.1	173	27.8	7.9	7.9	19.9	19.8	71.2	71.2	5.0								
SR4A	Cloudy	Moderate	17:58	9.0	Surface	1.0	0.1	319	28.6	8.0	8.0	15.2	15.2	86.0	86.0	6.1	5.9	5.1	6.0	3	3	817212	807812	
						1.0	0.0	317	28.6	8.0	8.0	15.2	15.2	86.0	86.0	6.1								
					Middle	4.5	0.0	323	28.0	8.0	8.0	17.6	17.5	78.9	78.9	5.6								
						4.5	0.1	317	28.0	8.0	8.0	17.5	17.5	78.8	78.9	5.6								
					Bottom	8.0	0.0	314	27.4	8.0	8.0	22.7	22.7	72.9	72.9	5.1								
						8.0	0.0	314	27.4	8.0	8.0	22.7	22.7	72.9	72.9	5.1								
SR8	Sunny	Moderate	15:50	4.8	Surface	1.0	-	-	23.5	7.8	7.8	20.5	20.4	85.9	85.8	6.5	6.5	5.9	3.8	3	3	820368	811624	
						1.0	-	-	23.5	7.8	7.8	20.4	20.4	85.7	85.8	6.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	3.8	-	-	23.3	7.8	7.8	24.4	24.4	79.2	79.3	5.9								
						3.8	-	-	23.3	7.8	7.8	24.4	24.4	79.3	79.3	5.9								

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	10:36	8.0	Surface	1.0	0.3	26	28.1	28.1	8.0	8.0	14.9	14.9	81.3	81.3	5.9	5.6	3.5	9.4	3	3	815628	804251
						1.0	0.3	22	28.1		8.0		14.9		81.2		5.8		3.6		3			
					Middle	4.0	0.3	31	27.2	27.2	8.0	8.0	23.9	23.9	75.6	75.6	5.3	5.2	11.9	5.2	3	3		
						4.0	0.3	24	27.1		8.0		23.9		75.6		5.3		11.9		3			
					Bottom	7.0	0.2	28	27.1	27.1	8.0	8.0	24.3	24.3	75.3	75.3	5.2	5.2	12.6	5.2	3	3		
						7.0	0.2	28	27.1		8.0		24.3		75.3		5.2		12.8		4			
C2	Sunny	Moderate	12:18	11.3	Surface	1.0	0.3	344	29.3	29.3	7.8	7.8	11.6	11.6	80.0	80.1	5.8	5.4	3.7	5.8	3	3	825669	806950
						1.0	0.3	350	29.3		7.8		11.6		80.2		5.8		3.7		4			
					Middle	5.7	0.2	343	27.6	27.6	7.9	7.9	21.3	21.3	69.8	69.8	4.9	4.9	5.5	4.9	4	4.9		
						5.7	0.3	347	27.6		7.9		21.4		69.8		4.9		5.7		3			
					Bottom	10.3	0.3	331	27.6	27.6	7.9	7.9	21.8	21.8	70.8	70.8	4.9	4.9	8.2	4.9	3	4.9		
						10.3	0.2	335	27.6		7.9		21.8		70.8		4.9		8.2		3			
C3	Sunny	Moderate	10:36	10.6	Surface	1.0	0.4	274	22.9	22.9	7.8	7.8	25.4	25.3	79.1	79.2	5.9	5.9	2.0	2.6	4	3	822085	817804
						1.0	0.4	268	22.9		7.8		25.3		79.2		5.9		1.9		3			
					Middle	5.3	0.4	256	22.8	22.8	7.9	7.9	27.3	27.3	80.7	80.8	5.9	5.9	2.5	6.4	3	6.4		
						5.3	0.4	250	22.8		7.9		27.3		80.8		5.9		2.6		3			
					Bottom	9.6	0.3	246	22.9	22.9	7.9	7.9	27.3	27.2	85.9	86.3	6.3	6.4	3.5	6.4	3	6.4		
						9.6	0.4	242	22.9		7.9		27.2		86.7		6.4		3.4		3			
IM1	Sunny	Moderate	10:58	6.2	Surface	1.0	0.2	5	27.9	27.9	7.9	7.9	17.6	17.6	79.1	79.1	5.6	5.5	3.8	3.9	4	4	818334	806439
						1.0	0.2	7	27.9		7.9		17.6		79.0		5.6		3.8		6			
					Middle	3.1	0.2	10	27.8	27.8	8.0	8.0	20.6	20.6	77.5	77.5	5.4	5.4	3.6	5.2	4	5.2		
						3.1	0.2	11	27.8		8.0		20.6		77.5		5.4		3.6		3			
					Bottom	5.2	0.2	3	27.3	27.3	7.9	7.9	23.1	23.1	73.8	73.9	5.1	5.2	4.2	5.2	3	5.2		
						5.2	0.1	2	27.3		7.9		23.1		73.9		5.2		4.3		3			
IM2	Sunny	Moderate	11:06	6.7	Surface	1.0	0.2	315	27.9	27.9	8.0	8.0	18.6	18.6	79.1	79.1	5.6	5.6	3.6	6.6	3	3	819202	806249
						1.0	0.2	317	27.9		8.0		18.6		79.1		5.6		3.6		3			
					Middle	3.4	0.2	319	27.6	27.6	8.0	8.0	19.7	19.7	79.0	79.0	5.6	5.6	3.8	5.1	2	5.1		
						3.4	0.1	314	27.6		8.0		19.7		79.0		5.6		3.8		3			
					Bottom	5.7	0.2	329	27.0	27.0	8.0	8.0	25.9	25.9	73.5	73.6	5.1	5.1	12.8	5.1	3	5.1		
						5.7	0.2	326	27.0		8.0		26.0		73.6		5.1		12.3		3			
IM7	Sunny	Moderate	11:45	8.4	Surface	1.0	0.2	332	28.6	28.6	7.9	7.9	9.7	9.6	79.7	79.7	5.9	5.5	3.8	4.0	3	3	821361	806818
						1.0	0.2	338	28.6		7.9		9.6		79.7		5.9		3.9		3			
					Middle	4.2	0.2	323	28.0	28.0	7.9	7.9	18.1	18.1	71.9	71.9	5.1	5.1	2.3	5.3	3	5.3		
						4.2	0.2	323	28.0		7.9		18.1		71.9		5.1		2.4		4			
					Bottom	7.4	0.2	334	27.4	27.4	8.0	8.0	22.6	22.6	76.0	76.1	5.3	5.3	5.8	5.3	4	5.3		
						7.4	0.1	327	27.4		8.0		22.6		76.1		5.3		5.7		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 21 September 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	11:40	8.4	Surface	1.0	0.3	293	<u>23.5</u>	7.8	7.8	20.6	20.7	83.0	82.9	6.3	6.0	3.1	4.2	3	3	822260	809857	
						1.0	0.3	292	23.4	7.8	7.8	20.8	20.7	82.8	82.9	6.3		3.2		3				
					Middle	4.2	0.3	276	23.0	7.8	7.8	25.2	25.2	75.5	75.5	5.6		4.0		4				
						4.2	0.3	279	23.0	7.8	7.8	25.3	25.2	75.5	75.5	5.6		4.1		3				
					Bottom	7.4	0.3	309	<u>22.9</u>	7.8	7.8	<u>25.9</u>	25.9	77.2	77.3	5.7		5.4		4				
						7.4	0.3	314	<u>22.9</u>	7.8	7.8	25.9	25.9	77.4	77.3	5.7		5.5		3				
IM11	Sunny	Moderate	11:34	9.0	Surface	1.0	0.4	278	<u>23.7</u>	7.8	7.8	19.2	19.2	83.8	83.8	6.4	6.1	4.1	5.3	4	3	821515	810527	
						1.0	0.4	283	23.6	7.8	7.8	19.1	19.2	83.7	83.8	6.4		4.1		3				
					Middle	4.5	0.4	297	23.2	7.8	7.8	24.7	24.7	76.4	76.4	5.7		5.1		3				
						4.5	0.4	300	23.2	7.8	7.8	24.7	24.7	76.4	76.4	5.7		5.1		4				
					Bottom	8.0	0.4	260	<u>23.1</u>	7.8	7.8	25.0	25.0	77.9	78.0	5.8		6.7		2				
						8.0	0.4	264	<u>23.1</u>	7.8	7.8	25.0	25.0	78.1	78.0	5.8		6.7		2				
IM12	Sunny	Moderate	11:29	8.0	Surface	1.0	0.5	287	<u>23.6</u>	7.9	7.9	18.4	18.5	84.4	84.3	6.5	6.1	3.2	5.0	2	2	821161	811504	
						1.0	0.5	283	23.5	7.9	7.9	18.5	18.5	84.2	84.3	6.4		3.2		2				
					Middle	4.0	0.4	306	23.1	7.7	7.7	24.6	24.6	77.9	77.9	5.8		5.1		2				
						4.0	0.4	311	23.1	7.7	7.7	24.6	24.6	77.8	77.9	5.8		5.1		2				
					Bottom	7.0	0.5	301	22.9	7.8	7.8	26.4	26.4	78.7	78.8	5.8		6.6		3				
						7.0	0.5	293	22.9	7.8	7.8	26.4	26.4	78.8	78.8	5.8		6.5		3				
SR1A	Sunny	Moderate	11:07	5.0	Surface	1.0	0.0	181	<u>23.7</u>	7.8	7.8	17.2	17.1	85.8	85.7	6.6	6.6	4.4	4.7	3	3	819973	812661	
						1.0	0.0	179	23.7	7.8	7.8	17.1	17.1	85.6	85.7	6.6		4.4		2				
					Middle	2.5	0.1	202	-	-	-	-	-	-	-	-		-		-				-
						2.5	0.1	196	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.0	0.0	167	23.5	7.9	7.9	22.2	22.2	80.3	80.4	6.0		5.0		4				
						4.0	0.1	169	23.5	7.9	7.9	22.2	22.2	80.4	80.4	6.0		5.0		3				
SR2	Sunny	Moderate	10:55	5.6	Surface	1.0	0.1	208	<u>23.4</u>	7.9	7.9	23.6	23.7	83.2	83.2	6.2	6.2	2.7	3.0	3	3	821481	814188	
						1.0	0.1	205	23.4	7.9	7.9	23.7	23.7	83.2	83.2	6.2		2.8		2				
					Middle	-	0.2	238	-	-	-	-	-	-	-	-		-		-				
						-	0.1	233	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.6	0.2	223	23.3	7.8	7.8	24.4	24.4	85.2	85.5	6.3		3.2		3				
						4.6	0.2	222	23.3	7.8	7.8	24.4	24.4	85.7	85.5	6.4		3.2		2				
SR3	Sunny	Moderate	11:52	9.0	Surface	1.0	0.1	346	29.3	7.9	7.9	9.5	9.4	81.2	81.2	5.9	5.5	3.7	6.4	3	3	822151	807564	
						1.0	0.2	340	29.4	7.9	7.9	9.4	9.4	81.1	81.2	5.9		3.7		4				
					Middle	4.5	0.2	6	27.9	7.9	7.9	19.0	19.0	70.3	70.3	5.0		2.9		3				
						4.5	0.1	6	27.9	7.9	7.9	19.0	19.0	70.3	70.3	5.0		2.9		3				
					Bottom	8.0	0.2	6	27.8	7.9	7.9	20.1	20.1	68.6	68.7	4.8		12.5		3				
						8.0	0.1	11	27.8	7.9	7.9	20.1	20.1	68.7	68.7	4.8		12.5		3				
SR4A	Sunny	Moderate	10:06	8.2	Surface	1.0	0.0	236	28.4	8.0	8.0	18.8	18.8	82.3	82.3	5.8	5.6	4.4	4.4	2	3	817173	807789	
						1.0	0.0	240	28.4	8.0	8.0	18.8	18.8	82.3	82.3	5.8		4.4		2				
					Middle	4.1	0.0	215	28.2	7.9	7.9	20.0	20.0	77.9	77.9	5.4		3.9		4				
						4.1	0.1	212	28.2	7.9	7.9	20.0	20.0	77.8	77.9	5.4		3.9		3				
					Bottom	7.2	0.0	217	27.9	7.9	7.9	20.8	20.8	74.4	74.5	5.2		5.1		5				
						7.2	0.0	217	27.9	7.9	7.9	20.7	20.8	74.5	74.5	5.2		5.1		4				
SR8	Sunny	Moderate	11:25	5.2	Surface	1.0	-	-	23.5	7.9	7.9	19.7	19.6	79.7	79.8	6.1	6.1	4.3	4.7	4	3	820384	811643	
						1.0	-	-	23.5	7.9	7.9	19.5	19.6	79.8	79.8	6.1		4.3		3				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-				
						-	-	-	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.2	-	-	23.1	7.9	7.9	25.7	25.7	78.0	78.3	5.8		5.1		3				
						4.2	-	-	23.1	7.9	7.9	25.7	25.7	78.5	78.5	5.8		5.0		2				

DA: Depth-Averaged

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

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



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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	05:55	8.5	Surface	1.0	0.4	213	27.9	8.1	8.1	20.1	20.1	91.7	91.6	6.4	6.1	1.8	4.9	6	7	815622	804269	
						1.0	0.4	206	27.9	8.1	8.1	20.1	20.1	91.5	91.6	6.4		1.8		6				
					Middle	4.3	0.4	195	27.3	8.1	8.1	23.6	23.4	81.3	81.3	5.7		2.4		7				
						4.3	0.4	195	27.2	8.1	8.1	23.3	23.4	81.2	81.3	5.7		2.4		7				
					Bottom	7.5	0.4	220	26.7	8.0	8.0	28.3	28.3	70.7	70.8	4.8		10.5		7				
						7.5	0.4	220	26.7	8.0	8.0	28.3	28.3	70.8	70.8	4.8		10.2		7				
C2	Fine	Moderate	08:00	10.0	Surface	1.0	0.8	159	27.9	7.9	7.9	21.6	21.6	85.3	84.3	5.9	5.3	1.7	2.3	3	3	825662	806932	
						1.0	0.8	158	27.8	7.9	7.9	21.6	21.6	83.3	84.3	5.8		1.7		4				
					Middle	5.0	0.7	177	27.6	7.9	7.9	25.6	25.7	69.0	68.5	4.7		2.1		3				
						5.0	0.7	182	27.7	7.9	7.9	25.7	25.7	68.0	68.5	4.6		2.1		3				
					Bottom	9.0	0.7	188	28.0	8.0	8.0	25.7	25.7	72.3	73.0	4.9		3.2		3				
						9.0	0.7	194	28.1	8.0	8.0	25.6	25.7	73.6	73.0	5.0		3.2		3				
C3	Sunny	Moderate	06:59	10.2	Surface	1.0	0.4	66	28.5	8.0	8.0	24.5	24.6	97.0	96.8	6.6	6.1	2.1	3.1	3	4	822120	817793	
						1.0	0.4	73	28.5	8.0	8.0	24.6	24.6	96.5	96.8	6.5		2.1		2				
					Middle	5.1	0.4	89	28.2	7.9	7.9	25.5	25.5	83.0	83.0	5.6		3.2		4				
						5.1	0.3	93	28.2	7.9	7.9	25.5	25.5	82.9	83.0	5.6		3.2		3				
					Bottom	9.2	0.3	79	28.0	7.9	7.9	29.7	29.7	82.9	83.0	5.5		4.1		5				
						9.2	0.3	74	28.0	7.9	7.9	29.7	29.7	83.0	83.0	5.5		4.1		4				
IM1	Sunny	Moderate	06:18	6.5	Surface	1.0	0.3	197	27.8	8.2	8.2	21.1	21.1	95.8	95.7	6.7	5.8	1.7	2.6	4	5	818338	806463	
						1.0	0.3	191	27.8	8.2	8.2	21.1	21.1	95.6	95.7	6.7		1.7		4				
					Middle	3.3	0.3	186	26.8	8.0	8.0	27.2	27.2	69.7	69.7	4.8		3.1		4				
						3.3	0.2	181	26.8	8.0	8.0	27.2	27.2	69.7	69.7	4.8		3.1		5				
					Bottom	5.5	0.3	201	26.7	8.0	8.0	28.3	28.3	69.0	69.1	4.7		2.9		6				
						5.5	0.3	193	26.7	8.0	8.0	28.3	28.3	69.2	69.1	4.7		3.0		5				
IM2	Sunny	Moderate	06:23	6.8	Surface	1.0	0.4	182	27.7	8.2	8.2	22.0	22.0	97.6	97.5	6.8	6.0	2.7	4.9	5	5	819191	806251	
						1.0	0.4	183	27.7	8.2	8.2	22.0	22.0	97.4	97.5	6.8		3.2		4				
					Middle	3.4	0.4	214	26.9	8.0	8.0	26.8	26.9	75.9	75.9	5.2		8.2		5				
						3.4	0.3	206	26.9	8.0	8.0	27.0	26.9	75.8	75.9	5.2		8.3		5				
					Bottom	5.8	0.4	215	26.7	8.0	8.0	28.1	28.1	69.1	69.2	4.7		3.5		6				
						5.8	0.4	207	26.7	8.0	8.0	28.1	28.1	69.2	69.2	4.7		3.5		5				
IM7	Fine	Moderate	07:29	7.2	Surface	1.0	0.3	216	28.2	7.9	7.9	21.2	21.1	90.8	90.3	6.3	5.9	2.8	3.3	3	3	821342	806833	
						1.0	0.4	220	28.1	7.9	7.9	21.0	21.1	89.7	90.3	6.2		2.8		3				
					Middle	3.6	0.3	216	28.0	7.9	7.9	22.8	22.8	81.5	81.0	5.6		3.2		4				
						3.6	0.3	217	27.9	7.9	7.9	22.8	22.8	80.4	81.0	5.5		3.1		3				
					Bottom	6.2	0.3	191	27.8	7.9	7.9	24.8	24.8	82.2	85.0	5.6		4.1		3				
						6.2	0.3	196	27.8	7.9	7.9	24.8	24.8	87.7	85.0	6.0		4.0		4				

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Sunny	Moderate	08:02	8.4	Surface	1.0	0.5	135	28.8	28.7	7.9	7.9	19.7	19.7	91.8	91.6	6.4	5.9	2.6	3.5	2	3	822227	809836		
						1.0	0.5	135	28.6		7.9		7.9		19.7		91.4		6.4		2.5					
					Middle	4.2	0.4	126	28.1	28.1	7.9	7.9	26.3	26.3	79.2	79.3	5.4	5.5	5.4	5.5	3.7				3	3
						4.2	0.4	129	28.1		7.9		7.9		26.3		79.3		5.4		3.6					
					Bottom	7.4	0.4	107	28.2	28.2	7.9	7.9	26.8	26.8	81.2	81.7	5.5	5.5	5.5	5.5	4.3				3	3
						7.4	0.4	109	28.2		7.9		7.9		26.7		82.1		5.5		4.3					
IM11	Sunny	Moderate	07:55	9.0	Surface	1.0	0.5	97	29.0	29.0	8.0	8.0	17.8	17.8	95.8	95.7	6.7	6.1	2.9	4.1	2	2	821478	810557		
						1.0	0.5	95	28.9		8.0		8.0		17.9		95.6		6.7		2.8					
					Middle	4.5	0.5	121	28.2	28.2	7.9	7.9	24.1	24.1	78.9	78.9	5.4	5.4	5.4	4.9	4.1				3	2
						4.5	0.5	126	28.1		7.9		7.9		24.0		78.9		5.4		4.1					
					Bottom	8.0	0.4	85	28.1	28.2	7.9	7.9	27.2	27.2	73.2	73.4	4.9	4.9	4.9	4.9	5.4				3	2
						8.0	0.5	80	28.2		7.9		7.9		27.2		73.5		4.9		5.3					
IM12	Sunny	Moderate	07:51	7.8	Surface	1.0	0.6	113	29.1	29.1	8.0	8.0	17.4	17.5	100.5	100.5	7.0	6.7	1.1	2.2	2	3	821164	811532		
						1.0	0.6	111	29.0		8.0		8.0		17.5		100.4		7.0		1.1					
					Middle	3.9	0.5	88	28.3	28.3	8.0	8.0	20.6	20.7	90.5	90.2	6.3	6.3	6.3	5.0	2.3				3	3
						3.9	0.5	88	28.2		8.0		8.0		20.8		89.9		6.3		2.3					
					Bottom	6.8	0.5	104	28.0	28.1	7.9	7.9	28.1	28.0	74.2	74.3	5.0	5.0	5.0	5.0	3.2				4	4
						6.8	0.5	103	28.1		7.9		7.9		28.0		74.3		5.0		3.1					
SR1A	Sunny	Moderate	07:29	4.8	Surface	1.0	0.0	60	29.1	29.1	8.1	8.1	19.4	19.4	108.5	108.5	7.5	7.5	1.1	1.4	4	4	819973	812666		
						1.0	0.1	54	29.1		8.1		8.1		19.4		108.5		7.5		1.1					
					Middle	2.4	0.0	72	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.4	0.0	70	-		-		-		-		-		-		-					-
					Bottom	3.8	0.0	46	29.0	29.0	8.1	8.1	20.9	20.9	103.7	103.7	7.1	7.1	7.1	7.1	1.8				4	4
						3.8	0.1	51	29.0		8.1		8.1		20.9		103.6		103.7		7.1					1.8
SR2	Sunny	Moderate	07:19	5.6	Surface	1.0	0.5	48	29.0	29.0	8.1	8.1	20.2	20.3	101.1	101.0	7.0	7.0	1.9	2.0	3	3	821459	814175		
						1.0	0.5	51	29.0		8.1		8.1		20.3		100.8		6.9		1.9					
					Middle	-	0.5	31	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.5	25	-		-		-		-		-		-		-					-
					Bottom	4.6	0.5	38	28.6	28.6	8.0	8.0	21.5	21.5	90.6	90.5	6.2	6.2	6.2	6.2	2.2				3	3
						4.6	0.5	39	28.6		8.0		8.0		21.5		90.4		90.5		6.2					2.2
SR3	Fine	Moderate	07:39	7.5	Surface	1.0	0.6	172	28.3	28.3	7.9	7.9	21.6	21.6	88.7	88.5	6.1	5.5	2.1	3.1	3	3	822142	807569		
						1.0	0.6	169	28.2		7.9		7.9		21.7		88.2		6.1		2.0					
					Middle	3.8	0.6	180	27.6	27.6	7.9	7.9	25.4	25.5	72.0	71.7	4.9	4.9	4.9	5.3	3.2				3	4
						3.8	0.5	180	27.6		7.9		7.9		25.6		71.4		4.9		3.2					
					Bottom	6.5	0.5	154	27.5	27.5	7.9	7.9	26.0	26.0	75.1	78.0	5.1	5.3	5.1	5.3	4.1				2	2
						6.5	0.6	150	27.5		7.9		7.9		26.0		80.9		78.0		5.5					4.1
SR4A	Sunny	Moderate	05:27	8.4	Surface	1.0	0.0	85	28.5	28.5	8.3	8.3	20.3	20.3	108.5	108.5	7.5	6.1	3.7	6.9	10	9	817185	807794		
						1.0	0.0	91	28.5		8.3		8.3		20.3		108.4		7.5		3.9					
					Middle	4.2	0.0	104	26.9	26.9	8.0	8.0	26.6	26.6	68.9	68.9	4.7	4.7	4.7	4.7	7.9				8	9
						4.2	0.0	106	26.9		8.0		8.0		26.6		68.8		4.7		8.0					
					Bottom	7.4	0.0	109	26.9	26.9	8.0	8.0	27.1	27.1	68.6	68.7	4.7	4.7	4.7	4.7	9.0				8	8
						7.4	0.1	101	26.9		8.0		8.0		27.1		68.7		68.7		4.7					9.1
SR8	Sunny	Moderate	07:47	5.0	Surface	1.0	-	-	29.3	29.3	8.1	8.1	17.5	17.5	105.7	105.7	7.3	7.3	4.3	5.2	3	3	820409	811646		
						1.0	-	-	29.3		8.1		8.1		17.5		105.7		7.3		4.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					-
					Bottom	4.0	-	-	29.2	29.3	8.1	8.1	20.4	20.4	98.7	98.9	6.8	6.8	6.8	6.8	6.2				4	3
						4.0	-	-	29.3		8.1		8.1		20.5		99.1		98.9		6.8					6.1

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Moderate	17:38	8.5	Surface	1.0	0.1	30	27.9	27.9	8.1	8.1	22.0	22.0	91.1	91.0	6.3	5.6	1.8	6.0	6	5	815598	804236		
						1.0	0.1	24	27.9		8.1		22.0		90.9		6.3		1.8		5					
					Middle	4.3	0.2	41	26.7	26.7	8.0	8.0	28.2	28.2	70.6	70.7	4.8	5.0	6.2	6.0	6.3				6.0	5
						4.3	0.2	37	26.7		8.0		28.2		70.7		4.8		6.3		6					
					Bottom	7.5	0.1	42	26.6	26.6	8.0	8.0	28.8	28.8	73.1	73.2	5.0	5.0	9.9	6.0	5.0				6.0	4
						7.5	0.1	38	26.6		8.0		28.8		73.3		73.2		5.0		5.0					10.0
C2	Fine	Moderate	19:06	11.0	Surface	1.0	0.0	280	29.1	29.1	8.0	8.0	15.8	15.8	98.8	98.7	6.9	6.8	1.6	2.5	3	4	825700	806959		
						1.0	0.0	279	29.1		8.0		15.8		98.5		6.9		1.6		3					
					Middle	5.5	0.1	307	28.9	28.9	8.0	8.0	17.7	17.7	96.5	96.4	6.7	6.6	2.7	6.6	6.7				6.6	4
						5.5	0.1	301	28.9		8.0		17.7		96.3		6.7		2.7		5					
					Bottom	10.0	0.1	277	29.3	29.4	8.0	8.0	18.9	18.8	95.9	96.0	6.6	6.6	3.2	6.6	6.6				6.6	4
						10.0	0.1	272	29.4		7.9		18.8		96.0		6.6		3.2		6					
C3	Fine	Moderate	18:32	10.2	Surface	1.0	0.1	265	28.9	28.9	8.4	8.4	22.6	22.6	152.4	150.5	10.4	8.3	3.0	4.8	2	3	822095	817823		
						1.0	0.0	261	28.8		8.4		22.6		148.5		10.1		3.0		2					
					Middle	5.1	0.0	255	28.3	28.3	8.1	8.1	24.4	24.4	91.8	91.9	6.2	5.8	4.8	5.8	6.3				5.8	4
						5.1	0.0	256	28.3		8.1		24.4		91.9		6.3		4.9		4					
					Bottom	9.2	0.1	254	28.1	28.1	8.1	8.1	28.3	28.3	86.8	87.1	5.8	5.8	6.6	5.8	5.8				5.8	4
						9.2	0.1	253	28.1		8.1		28.3		87.4		87.1		5.8		5.8					6.5
IM1	Cloudy	Moderate	17:22	6.2	Surface	1.0	0.1	29	27.7	27.7	8.1	8.1	22.0	22.0	92.8	92.8	6.5	5.6	2.0	5.9	5	5	818331	806458		
						1.0	0.1	22	27.7		8.1		22.0		92.8		6.5		2.0		4					
					Middle	3.1	0.0	20	26.8	26.8	8.0	8.0	27.2	27.2	67.9	67.9	4.7	4.7	4.1	4.7	4.7				4.7	5
						3.1	0.1	13	26.8		8.0		27.2		67.9		4.7		4.1		6					
					Bottom	5.2	0.1	40	26.7	26.7	8.0	8.0	28.3	28.3	67.9	68.1	4.6	4.7	12.0	4.7	4.6				4.7	6
						5.2	0.1	40	26.7		8.0		28.3		68.2		68.1		4.7		4.7					11.1
IM2	Cloudy	Moderate	17:11	6.8	Surface	1.0	0.1	30	27.6	27.6	8.2	8.2	22.6	22.6	93.0	93.0	6.5	5.9	2.3	3.1	5	6	819190	806236		
						1.0	0.1	27	27.6		8.2		22.6		92.9		6.5		2.3		6					
					Middle	3.4	0.1	11	26.9	26.9	8.0	8.0	26.7	26.7	75.3	75.3	5.2	5.2	2.6	5.2	5.2				5.2	5
						3.4	0.0	4	26.9		8.0		26.7		75.2		5.2		2.6		6					
					Bottom	5.8	0.1	39	26.7	26.8	8.0	8.0	27.9	27.9	68.6	68.7	4.7	4.7	4.1	4.7	4.7				4.7	6
						5.8	0.0	34	26.8		8.0		27.9		68.8		68.7		4.7		4.7					5.0
IM7	Fine	Moderate	19:31	9.2	Surface	1.0	0.0	125	28.7	28.7	7.8	7.8	18.9	18.9	89.9	89.8	6.3	5.9	1.9	2.6	4	4	821337	806820		
						1.0	0.0	128	28.6		7.8		18.9		89.6		6.3		1.9		5					
					Middle	4.6	0.1	114	27.7	27.7	7.8	7.8	22.5	22.5	78.5	78.2	5.5	5.4	2.5	5.4	5.5				5.4	4
						4.6	0.1	120	27.6		7.8		22.5		77.9		5.4		2.6		3					
					Bottom	8.2	0.0	110	26.6	26.7	7.8	7.8	28.4	28.3	67.6	70.0	4.6	4.8	3.3	4.8	4.6				4.8	3
						8.2	0.0	110	26.7		7.8		28.2		72.4		70.0		5.0		3.3					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 23 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
IM10	Fine	Moderate	17:14	9.8	Surface	1.0	0.2	285	29.5	29.5	8.0	8.0	18.9	18.9	91.0	91.2	6.2	5.6	2.1	3.1	3	822262	809842		
						1.0	0.2	277	29.5	8.0	8.0	18.9	18.9	91.3	91.2	6.3	5.6	2.2	3.1	4					
					Middle	4.9	0.2	306	27.9	27.9	7.9	7.9	27.2	27.3	73.5	73.5	5.0	5.0	3.2	3.1	4				
						4.9	0.2	308	27.9	27.9	7.9	7.9	27.3	27.3	73.5	73.5	5.0	5.0	3.2	3.1	3				
					Bottom	8.8	0.1	308	28.2	28.3	8.0	8.0	27.4	27.3	75.5	75.6	5.1	5.1	4.0	5.1	3				
						8.8	0.1	314	28.3	28.3	8.0	8.0	27.3	27.3	75.7	75.6	5.1	5.1	4.0	5.1	2				
IM11	Fine	Moderate	17:38	8.2	Surface	1.0	0.1	267	28.7	28.7	8.1	8.1	18.8	18.8	95.6	95.4	6.7	5.8	2.4	3.4	2	821524	810550		
						1.0	0.1	271	28.7	28.7	8.1	8.1	18.8	18.8	95.1	95.4	6.6	5.8	2.5	3.4	3				
					Middle	4.1	0.1	280	28.0	28.0	8.0	8.0	26.9	26.9	74.4	74.4	5.0	5.0	3.8	3.4	3				
						4.1	0.1	275	28.0	28.0	8.0	8.0	27.0	26.9	74.4	74.4	5.0	5.0	3.7	3.4	3				
					Bottom	7.2	0.2	273	28.4	28.5	8.0	8.0	26.9	26.9	79.1	79.5	5.3	5.3	4.1	5.3	3				
						7.2	0.2	269	28.5	28.5	8.0	8.0	26.9	26.9	79.9	79.5	5.3	5.3	3.9	5.3	3				
IM12	Fine	Moderate	17:42	6.6	Surface	1.0	0.2	286	29.2	29.2	8.1	8.1	17.3	17.3	103.8	103.7	7.2	6.9	2.3	3.1	3	821173	811528		
						1.0	0.1	291	29.1	29.2	8.1	8.1	17.3	17.3	103.6	103.7	7.2	6.9	2.3	3.1	4				
					Middle	3.3	0.2	300	28.4	28.4	8.1	8.1	20.8	20.9	95.7	95.4	6.6	6.6	2.9	3.1	3				
						3.3	0.2	295	28.3	28.4	8.1	8.1	20.9	20.9	95.1	95.4	6.6	6.6	2.8	3.1	4				
					Bottom	5.6	0.2	275	27.9	27.9	7.9	7.9	27.5	27.5	78.5	78.9	5.3	5.3	4.0	5.3	4				
						5.6	0.2	279	27.9	27.9	7.9	7.9	27.5	27.5	79.3	78.9	5.3	5.3	4.0	5.3	4				
SR1A	Fine	Moderate	17:55	4.8	Surface	1.0	0.0	219	29.3	29.3	8.2	8.2	19.1	19.1	118.2	118.0	8.1	8.1	1.2	1.8	3	819978	812654		
						1.0	0.0	213	29.3	29.3	8.2	8.2	19.1	19.1	117.7	118.0	8.1	8.1	1.2	1.8	3				
					Middle	2.4	0.0	214	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-
						2.4	0.0	207	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-
					Bottom	3.8	0.1	213	29.5	29.5	8.2	8.2	21.0	20.9	113.0	113.7	7.7	7.8	2.3	7.8	2.3			1.8	2
						3.8	0.1	214	29.5	29.5	8.2	8.2	20.9	20.9	114.4	113.7	7.8	7.8	2.3	7.8	2.3			1.8	3
SR2	Fine	Moderate	18:09	5.0	Surface	1.0	0.1	229	29.5	29.5	8.2	8.2	19.2	19.2	120.5	120.5	8.3	8.3	1.1	1.8	3	821457	814161		
						1.0	0.1	235	29.5	29.5	8.2	8.2	19.2	19.2	120.5	120.5	8.3	8.3	1.1	1.8	3				
					Middle	-	0.0	247	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-
						-	0.1	253	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-
					Bottom	4.0	0.0	246	29.5	29.5	8.1	8.1	22.1	22.1	120.2	120.2	8.1	8.1	2.6	8.1	2.6			1.8	3
						4.0	0.0	247	29.5	29.5	8.1	8.1	22.1	22.1	120.2	120.2	8.1	8.1	2.6	8.1	2.6			1.8	2
SR3	Fine	Moderate	19:25	8.3	Surface	1.0	0.1	151	29.2	29.2	7.9	7.9	16.0	16.0	100.9	100.8	7.1	6.9	2.6	3.3	3	822138	807559		
						1.0	0.1	151	29.1	29.2	7.9	7.9	16.0	16.0	100.6	100.8	7.1	6.9	2.5	3.3	3				
					Middle	4.2	0.1	122	28.7	28.7	7.9	7.9	18.8	18.7	95.0	95.0	6.6	6.6	3.3	3.3	3				
						4.2	0.1	120	28.7	28.7	7.9	7.9	18.7	18.7	94.9	95.0	6.6	6.6	3.3	3.3	2				
					Bottom	7.3	0.0	158	28.9	29.0	7.9	7.9	20.8	20.8	88.1	88.4	6.1	6.1	4.1	6.1	4.1			3.3	3
						7.3	0.1	152	29.0	29.0	7.9	7.9	20.8	20.8	88.7	88.4	6.1	6.1	4.0	6.1	4.0			3.3	2
SR4A	Cloudy	Moderate	18:09	9.0	Surface	1.0	0.0	272	28.7	28.7	8.3	8.3	20.5	20.5	120.9	120.8	8.3	7.5	4.8	6.0	8	817165	807814		
						1.0	0.1	273	28.7	28.7	8.3	8.3	20.5	20.5	120.6	120.8	8.3	7.5	4.8	6.0	9				
					Middle	4.5	0.0	301	28.1	28.2	8.1	8.1	23.3	23.3	95.2	96.1	6.5	6.5	5.5	6.0	6				
						4.5	0.0	305	28.2	28.2	8.1	8.1	23.2	23.3	96.9	96.1	6.7	6.7	5.6	6.0	6				
					Bottom	8.0	0.0	284	26.9	26.9	8.0	8.0	26.6	26.6	70.9	70.9	4.9	4.9	7.7	4.9	7.7			6.0	6
						8.0	0.0	277	26.9	26.9	8.0	8.0	26.6	26.6	70.9	70.9	4.9	4.9	7.6	4.9	7.6			6.0	7
SR8	Fine	Moderate	17:46	4.8	Surface	1.0	-	-	29.6	29.7	8.1	8.1	17.0	16.9	104.8	104.5	7.3	7.3	1.3	1.8	3	820381	811636		
						1.0	-	-	29.7	29.7	8.1	8.1	16.9	16.9	104.1	104.5	7.2	7.3	1.3	1.8	2				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			1.8	-
					Bottom	3.8	-	-	28.1	28.1	7.9	7.9	25.7	25.7	83.4	84.5	5.7	5.8	2.4	5.8	2.4			1.8	4
						3.8	-	-	28.1	28.1	8.0	8.0	25.7	25.7	85.5	84.5	5.8	5.8	2.4	5.8	2.4			1.8	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 26 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
C1	Sunny	Rough	09:16	7.8	Surface	1.0	0.3	222	28.6	28.6	8.2	8.2	26.0	26.0	127.4	127.4	8.5	7.9	2.6	2.9	8	7	815624	804263							
						1.0	0.3	223	28.6	28.6	8.2	8.2	26.1	26.0	127.3	127.4	8.5	7.9	2.6	2.9	8	7									
						3.9	0.3	199	28.4	28.4	8.1	8.1	27.2	27.2	108.7	108.8	7.3	6.7	3.1	2.9	6	7									
						3.9	0.4	196	28.4	28.4	8.1	8.1	27.2	27.2	108.8	108.8	7.3	6.7	3.1	2.9	6	7									
					6.8	0.3	200	28.2	28.2	8.1	8.1	27.9	27.9	100.5	100.5	6.7	6.7	2.9	6.7	7	6.7										
					6.8	0.3	199	28.2	28.2	8.1	8.1	27.9	27.9	100.5	100.5	6.7	6.7	2.9	6.7	8	6.7										
					C2	Sunny	Moderate	10:55	9.6	Surface	1.0	0.7	181	28.7	28.7	8.2	8.2	26.6	26.7	106.2	106.1	7.1			6.8	5.1	6.9	11	9	825678	806963
											1.0	0.7	187	28.7	28.7	8.2	8.2	26.7	26.7	106.0	106.1	7.1			6.8	5.2	6.9	10	9		
4.8	0.7	172	28.5	28.5							8.2	8.2	27.3	27.3	96.4	96.4	6.4	6.9	6.8	6.9	7	9									
4.8	0.7	176	28.5	28.5							8.2	8.2	27.3	27.3	96.4	96.4	6.4	6.9	6.8	6.9	7	9									
8.6	0.7	192	28.1	28.1						8.1	8.1	29.1	29.1	82.9	83.0	5.5	5.5	8.9	5.5	8	5.5										
8.6	0.8	197	28.1	28.1						8.1	8.1	29.2	29.1	83.0	83.0	5.5	5.5	8.8	5.5	9	5.5										
C3	Sunny	Moderate	08:44	12.8						Surface	1.0	0.3	76	28.1	28.1	8.1	8.1	25.3	25.3	101.4	101.4	6.9	6.3	0.6	3.3	8	8	822109	817788		
											1.0	0.3	74	28.1	28.1	8.1	8.1	25.3	25.3	101.4	101.4	6.9	6.3	0.6	3.3	7	8				
					6.4	0.3	64	27.9	27.9		7.9	7.9	27.4	27.4	85.0	85.0	5.7	5.3	4.2	5.3	7	5.3									
					6.4	0.3	60	27.9	27.9		7.9	7.9	27.4	27.4	84.9	85.0	5.7	5.3	4.4	5.3	8	5.3									
					11.8	0.3	81	27.7	27.7	7.9	7.9	28.7	28.7	78.5	78.5	5.3	5.3	5.0	5.3	8	5.3										
					11.8	0.4	77	27.7	27.7	7.9	7.9	28.7	28.7	78.5	78.5	5.3	5.3	5.0	5.3	10	5.3										
					IM1	Sunny	Moderate	09:42	7.4	Surface	1.0	0.3	191	28.8	28.8	8.2	8.2	25.9	25.9	129.4	129.4	8.7	8.2	1.7	2.2	7	8			818339	806455
											1.0	0.2	191	28.8	28.8	8.2	8.2	25.9	25.9	129.3	129.4	8.7	8.2	1.6	2.2	8	8				
3.7	0.3	188	28.5	28.5							8.2	8.2	26.8	26.8	114.8	114.8	7.7	6.9	2.4	6.9	6	6.9									
3.7	0.3	193	28.5	28.5							8.2	8.2	26.8	26.8	114.8	114.8	7.7	6.9	2.5	6.9	8	6.9									
6.4	0.3	191	28.2	28.2						8.1	8.1	27.8	27.8	102.5	102.5	6.8	6.9	2.6	6.9	8	6.9										
6.4	0.3	184	28.2	28.2						8.1	8.1	27.8	27.8	102.5	102.5	6.9	6.9	2.6	6.9	8	6.9										
IM2	Sunny	Moderate	09:54	7.6						Surface	1.0	0.4	206	29.0	29.0	8.3	8.3	26.1	26.1	117.8	117.5	7.8	7.0	3.6	4.9	9	8	819192	806224		
											1.0	0.4	200	29.0	29.0	8.3	8.3	26.2	26.1	117.2	117.5	7.8	7.0	3.7	4.9	7	8				
					3.8	0.3	200	28.3	28.3		8.1	8.1	27.5	27.6	93.0	93.1	6.2	5.6	4.7	5.6	8	5.6									
					3.8	0.3	205	28.3	28.3		8.1	8.1	27.6	27.6	93.1	93.1	6.2	5.6	4.7	5.6	7	5.6									
					6.6	0.3	200	28.2	28.2	8.1	8.1	28.4	28.4	84.4	84.4	5.6	5.6	6.2	5.6	8	5.6										
					6.6	0.3	195	28.2	28.2	8.1	8.1	28.4	28.4	84.4	84.4	5.6	5.6	6.3	5.6	8	5.6										
					IM7	Sunny	Moderate	10:21	8.2	Surface	1.0	0.2	177	29.0	29.0	8.3	8.3	26.1	26.1	122.4	122.4	8.1	7.8	3.5	4.4	7	8			821359	806838
											1.0	0.3	171	29.0	29.0	8.3	8.3	26.1	26.1	122.3	122.4	8.1	7.8	3.5	4.4	9	8				
4.1	0.3	174	28.8	28.8							8.3	8.3	26.6	26.6	113.2	113.2	7.5	7.8	3.8	4.4	8	7.8									
4.1	0.3	170	28.8	28.8							8.3	8.3	26.6	26.6	113.2	113.2	7.5	7.8	3.8	4.4	9	7.8									
7.2	0.3	189	28.2	28.2						8.1	8.1	28.3	28.3	87.2	87.3	5.8	5.8	5.9	5.8	7	5.8										
7.2	0.3	190	28.2	28.2						8.1	8.1	28.3	28.3	87.3	87.3	5.8	5.8	5.9	5.8	9	5.8										

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
IM10	Sunny	Rough	10:29	7.0	Surface	1.0	0.5	109	28.3	28.3	8.2	8.2	23.8	23.9	104.0	103.9	7.1	6.8	1.7	6	6	822239	809846								
						1.0	0.5	108	28.2	28.3	8.2	8.2	23.9	23.4	103.7	103.9	7.1	6.8	1.7	6											
					Middle	3.5	0.4	103	28.1	28.1	8.0	8.0	24.4	24.4	94.0	93.9	6.4	6.0	2.2	2.3				2.2	6						
						3.5	0.4	105	28.1	28.1	8.0	8.0	24.4	24.4	93.8	93.9	6.4	6.0	2.2	2.3				2.2	6						
					Bottom	6.0	0.5	109	28.1	28.1	8.0	8.0	25.1	25.1	88.0	88.0	6.0	6.0	2.9	6.0				2.9	6						
						6.0	0.5	114	28.1	28.1	8.0	8.0	25.1	25.1	88.0	88.0	6.0	6.0	2.9	6.0				2.9	6						
					IM11	Sunny	Rough	10:19	7.8	Surface	1.0	0.5	83	28.5	28.5	8.2	8.2	23.4	23.4	115.2				114.9	7.9	7.3	1.3	5	7	821473	810555
											1.0	0.5	87	28.5	28.5	8.2	8.2	23.4	23.4	114.6				114.9	7.8	7.3	1.3	6			
Middle	3.9	0.5	113	28.3						28.3	8.1	8.1	24.1	24.1	99.6	99.5	6.8	6.2	2.3	4.0	7										
	3.9	0.5	106	28.3						28.3	8.1	8.1	24.2	24.1	99.4	99.5	6.8	6.2	2.4	4.0	7										
Bottom	6.8	0.5	96	28.2						28.2	8.0	8.0	24.8	24.8	91.0	91.1	6.2	6.2	8.2	4.0	10										
	6.8	0.5	97	28.2						28.2	8.0	8.0	24.8	24.8	91.1	91.1	6.2	6.2	8.3	4.0	8										
IM12	Sunny	Rough	10:09	8.5						Surface	1.0	0.6	95	28.5	28.5	8.2	8.2	23.4	23.4	118.8	118.6	8.1	7.5	1.0	9	7	821178	811516			
											1.0	0.6	102	28.5	28.5	8.2	8.2	23.4	23.4	118.3	118.6	8.1	7.5	1.0	8						
					Middle	4.3	0.6	105	28.3	28.3	8.1	8.1	23.9	23.9	101.9	101.9	6.9	6.1	1.4	2.1	8										
						4.3	0.6	102	28.3	28.3	8.1	8.1	23.9	23.9	101.8	101.9	6.9	6.1	1.4	2.1	7										
					Bottom	7.5	0.6	127	28.2	28.2	8.0	8.0	25.0	25.0	90.3	90.3	6.1	6.1	3.9	6.1	3.9	6									
						7.5	0.6	128	28.2	28.2	8.0	8.0	25.0	25.0	90.3	90.3	6.1	6.1	3.8	6.1	3.8	6									
					SR1A	Sunny	Moderate	09:30	5.4	Surface	1.0	0.0	66	28.3	28.3	8.1	8.1	24.4	24.4	97.1	97.0	6.6	6.6	1.1	5				6	819990	812663
											1.0	0.0	66	28.3	28.3	8.1	8.1	24.4	24.4	96.8	97.0	6.6	6.6	1.1	6						
Middle	2.7	0.0	88	-						-	-	-	-	-	-	-	-	-	-	-	6.6	-	3.7	-							
	2.7	-	84	-						-	-	-	-	-	-	-	-	-	-	-	6.6	-	3.7	-							
Bottom	4.4	0.0	63	28.1						28.1	8.0	8.0	26.2	26.2	87.1	87.2	5.9	5.9	6.2	6.1	6.3	6									
	4.4	0.1	57	28.1						28.1	8.0	8.0	26.3	26.2	87.2	87.2	5.9	5.9	6.3	6.1	6.3	6									
SR2	Sunny	Moderate	09:12	4.9						Surface	1.0	0.4	50	28.3	28.3	8.1	8.1	24.2	24.2	99.8	99.7	6.8	6.8	1.0	6	6	821485	814168			
											1.0	0.4	51	28.3	28.3	8.1	8.1	24.2	24.2	99.6	99.7	6.8	6.8	1.0	6.8						
					Middle	-	0.4	57	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	1.9	-							
						-	0.4	51	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	1.9	-							
					Bottom	3.9	0.4	37	28.1	28.1	8.0	8.0	25.9	25.9	91.9	91.9	6.2	6.2	2.7	6.2	2.7	6									
						3.9	0.3	30	28.1	28.1	8.0	8.0	25.9	25.9	91.8	91.9	6.2	6.2	2.7	6.2	2.7	5									
					SR3	Sunny	Moderate	10:30	8.9	Surface	1.0	0.5	154	29.1	29.1	8.3	8.3	26.0	26.0	125.7	125.7	8.4	8.2	3.3	7				7	822163	807550
											1.0	0.5	153	29.1	29.1	8.3	8.3	26.1	26.0	125.7	125.7	8.4	8.2	3.4	8.2						
Middle	4.5	0.5	182	29.0						29.0	8.3	8.3	26.2	26.2	119.8	119.8	8.0	6.9	3.4	3.8	7										
	4.5	0.5	184	28.9						29.0	8.3	8.3	26.3	26.2	119.7	119.8	8.0	6.9	3.5	3.8	7										
Bottom	7.9	0.6	142	28.5						28.5	8.2	8.2	27.2	27.2	102.7	102.7	6.9	6.9	4.5	6.9	4.5	8									
	7.9	0.6	147	28.5						28.5	8.2	8.2	27.2	27.2	102.7	102.7	6.9	6.9	4.5	6.9	4.5	8									
SR4A	Sunny	Moderate	08:43	10.8						Surface	1.0	0.1	109	28.5	28.5	8.2	8.2	26.4	26.4	120.7	120.7	8.1	7.5	2.8	7	8	817204	807824			
											1.0	0.1	109	28.5	28.5	8.2	8.2	26.5	26.4	120.6	120.7	8.1	7.5	2.8	7.5						
					Middle	5.4	0.0	110	28.3	28.3	8.1	8.1	27.6	27.6	103.4	103.4	6.9	5.9	3.1	4.2	7										
						5.4	0.0	113	28.3	28.3	8.1	8.1	27.6	27.6	103.4	103.4	6.9	5.9	3.1	4.2	8										
					Bottom	9.8	0.1	123	28.1	28.1	8.0	8.0	28.7	28.7	88.3	88.3	5.9	5.9	6.6	6.8	6.6	8									
						9.8	0.0	117	28.1	28.1	8.0	8.0	28.7	28.7	88.3	88.3	5.9	5.9	6.6	6.8	6.6	10									
					SR8	Sunny	Rough	09:58	4.9	Surface	1.0	-	-	28.7	28.7	8.1	8.1	24.3	24.3	101.4	101.4	6.9	6.9	1.9	7				7	820392	811637
											1.0	-	-	28.7	28.7	8.1	8.1	24.3	24.3	101.3	101.3	6.8	6.8	2.0	6.9						
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	6.9	-	2.0	-							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	6.9	-	2.0	-							
Bottom	3.9	-	-	28.6						28.6	8.1	8.1	24.4	24.4	99.7	99.7	6.8	6.8	2.1	6.8	2.1	7									
	3.9	-	-	28.6						28.6	8.1	8.1	24.4	24.4	99.6	99.6	6.8	6.8	2.1	6.8	2.1	9									

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

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

**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Sunny	Rough	18:10	7.7	Surface	1.0	0.4	33	29.0	29.0	8.4	8.4	26.1	26.1	135.7	135.6	9.0	8.9	2.5	3.2	7	7	815620	804246		
						1.0	0.4	29	29.0	8.4	8.4	26.1	26.1	135.5	135.6	9.0	8.9	2.5	3.2	8						
					Middle	3.9	0.4	23	28.9	28.9	8.4	8.4	26.1	26.1	132.7	132.6	8.8	7.6	3.6	3.2	7				7	
						3.9	0.4	19	28.9	28.9	8.4	8.4	26.1	26.1	132.5	132.6	8.8	7.6	3.6	3.2	7					
					Bottom	6.7	0.3	29	28.5	28.5	8.3	8.3	26.7	26.7	113.8	113.9	7.6	7.6	3.5	7.6	3.5					7
						6.7	0.3	27	28.5	28.5	8.3	8.3	26.7	26.7	114.0	113.9	7.6	7.6	3.5	7.6	3.5					6
C2	Sunny	Rough	16:17	9.1	Surface	1.0	0.2	183	28.8	28.8	8.2	8.2	26.3	26.3	113.3	113.3	7.6	7.3	4.1	5.3	8	825663	806949			
						1.0	0.2	185	28.8	28.8	8.2	8.2	26.3	26.3	113.3	113.3	7.6	7.3	4.1							
					Middle	4.6	0.2	185	28.7	28.7	8.2	8.2	26.6	26.6	105.7	105.5	7.1	5.9	5.0					5.3		
						4.6	0.2	190	28.7	28.7	8.2	8.2	26.6	26.6	105.3	105.5	7.0	5.9	5.0							
					Bottom	8.1	0.2	194	28.2	28.2	8.1	8.2	28.5	28.5	88.5	88.9	5.9	5.9	7.0						5.3	
						8.1	0.2	200	28.2	28.2	8.2	8.2	28.5	28.5	89.2	88.9	5.9	5.9	7.0							
C3	Sunny	Moderate	17:33	12.8	Surface	1.0	0.4	278	28.8	28.8	8.2	8.2	25.1	25.1	121.2	121.2	8.1	7.3	1.2	4.0	8	822103	817799			
						1.0	0.4	280	28.8	28.8	8.2	8.2	25.1	25.1	121.1	121.2	8.1	7.3	1.2							
					Middle	6.4	0.4	248	28.2	28.2	8.1	8.1	26.2	26.2	96.8	96.7	6.5	5.9	4.5					4.0		
						6.4	0.5	243	28.2	28.2	8.1	8.1	26.2	26.2	96.6	96.7	6.5	5.9	4.6							
					Bottom	11.8	0.4	268	27.9	27.9	7.9	7.9	27.2	27.2	87.4	87.5	5.9	5.9	6.3						4.0	
						11.8	0.4	265	27.9	27.9	7.9	7.9	27.3	27.2	87.6	87.5	5.9	5.9	6.2							
IM1	Sunny	Moderate	17:44	6.9	Surface	1.0	0.2	21	28.9	28.9	8.4	8.4	26.1	26.1	133.7	133.7	8.9	8.2	3.8	4.2	7	818371	806460			
						1.0	0.2	21	28.9	28.9	8.4	8.4	26.1	26.1	133.6	133.7	8.9	8.2	3.9							
					Middle	3.5	0.2	14	28.5	28.5	8.3	8.3	26.7	26.7	111.1	111.1	7.4	6.8	3.4					4.2		
						3.5	0.2	15	28.5	28.5	8.3	8.3	26.7	26.7	111.1	111.1	7.4	6.8	3.4							
					Bottom	5.9	0.2	356	28.3	28.3	8.2	8.2	27.2	27.2	102.2	102.2	6.8	6.8	5.5						4.2	
						5.9	0.2	356	28.3	28.3	8.2	8.2	27.2	27.2	102.2	102.2	6.8	6.8	5.5							
IM2	Sunny	Moderate	17:36	7.1	Surface	1.0	0.2	0	28.8	28.8	8.2	8.2	26.6	26.6	108.7	108.7	7.3	7.2	4.6	6.5	7	819197	806257			
						1.0	0.2	0	28.8	28.8	8.2	8.2	26.6	26.6	108.7	108.7	7.2	7.2	4.5							
					Middle	3.6	0.1	22	28.6	28.6	8.2	8.2	26.9	26.9	106.7	106.7	7.1	6.4	5.2					6.5		
						3.6	0.1	28	28.6	28.6	8.2	8.2	26.9	26.9	106.7	106.7	7.1	6.4	5.1							
					Bottom	6.1	0.2	22	28.4	28.4	8.2	8.2	27.9	27.9	96.0	96.0	6.4	6.4	9.7						6.5	
						6.1	0.2	14	28.4	28.4	8.2	8.2	27.9	27.9	95.9	96.0	6.4	6.4	9.7							
IM7	Sunny	Moderate	17:04	7.9	Surface	1.0	0.2	307	28.7	28.7	8.2	8.2	26.8	26.8	107.4	107.4	7.2	7.1	4.9	6.0	7	821329	806828			
						1.0	0.2	302	28.7	28.7	8.2	8.2	26.8	26.8	107.4	107.4	7.2	7.1	4.9							
					Middle	4.0	0.1	296	28.6	28.6	8.2	8.2	26.8	26.8	104.7	104.7	7.0	6.0	5.0					6.0		
						4.0	0.1	299	28.6	28.6	8.2	8.2	26.8	26.8	104.6	104.7	7.0	6.0	5.0							
					Bottom	6.9	0.1	296	28.2	28.2	8.1	8.1	28.4	28.4	89.4	89.4	6.0	6.0	7.9						6.0	
						6.9	0.1	302	28.2	28.2	8.1	8.1	28.4	28.4	89.3	89.4	6.0	6.0	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 26 September 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA								
IM10	Sunny	Moderate	16:13	7.3	Surface	1.0	0.2	239	29.0	29.0	8.3	8.3	21.7	21.7	142.4	142.3	9.7	8.3	1.6	2.7	8	822231	809832											
						1.0	0.2	242	29.0	8.3	8.3	21.7	21.7	142.2	142.3	9.7																		
					Middle	3.7	0.2	264	28.3	28.3	8.1	8.1	24.1	24.1	101.4	101.4	6.9																	
						3.7	0.2	271	28.3	28.3	8.1	8.1	24.1	24.1	101.3	101.4	6.9																	
					Bottom	6.3	0.2	247	28.3	28.3	8.1	8.1	24.2	24.2	101.5	101.6	6.9																	
						6.3	0.2	248	28.3	28.3	8.1	8.1	24.2	24.2	101.6	101.6	6.9																	
					IM11	Sunny	Moderate	16:20	7.4	Surface	1.0	0.2	272	29.0	29.0	8.3	8.3							21.5	21.5	135.9	135.8	9.3	8.7	2.1	2.3	7	821492	810530
											1.0	0.3	274	29.0	29.0	8.3	8.3							21.5	21.5	135.6	135.8	9.3						
Middle	3.7	0.3	279	28.5						28.5	8.1	8.1	23.3	23.3	119.6	119.5	8.2																	
	3.7	0.3	280	28.5						28.5	8.1	8.1	23.3	23.3	119.3	119.5	8.1																	
Bottom	6.4	0.2	277	28.4						28.4	8.1	8.1	23.7	23.7	115.0	115.1	7.8																	
	6.4	0.2	270	28.4						28.4	8.1	8.1	23.7	23.7	115.1	115.1	7.9																	
IM12	Sunny	Moderate	16:28	8.0						Surface	1.0	0.3	292	28.8	28.8	8.2	8.2	22.1	22.1	128.5	128.4	8.8	8.4	2.0	3.8	7	821140	811534						
											1.0	0.3	295	28.8	28.8	8.2	8.2	22.1	22.1	128.3	128.4	8.8												
					Middle	4.0	0.3	267	28.5	28.5	8.1	8.1	23.8	23.8	115.7	115.7	7.9																	
						4.0	0.3	260	28.5	28.5	8.1	8.1	23.8	23.8	115.7	115.7	7.9																	
					Bottom	7.0	0.3	282	28.5	28.5	8.1	8.1	23.8	23.8	116.0	116.1	7.9																	
						7.0	0.4	275	28.5	28.5	8.1	8.1	23.8	23.8	116.1	116.1	7.9																	
					SR1A	Sunny	Moderate	16:56	5.6	Surface	1.0	0.0	181	28.9	28.9	8.2	8.2	23.7	23.7	129.7	129.6	8.8							8.8	1.2	4.4	7	819977	812658
											1.0	0.1	187	28.9	28.9	8.2	8.2	23.7	23.7	129.4	129.6	8.8												
Middle	2.8	-	205	-						-	-	-	-	-	-	-	-																	
	2.8	0.0	198	-						-	-	-	-	-	-	-	-																	
Bottom	4.6	-	180	28.5						28.5	8.1	8.1	24.4	24.4	107.9	107.8	7.3																	
	4.6	0.0	181	28.5						28.5	8.1	8.1	24.4	24.4	107.7	107.8	7.3																	
SR2	Sunny	Moderate	17:14	5.6						Surface	1.0	0.1	218	28.5	28.5	8.2	8.2	23.7	23.7	114.0	113.9	7.8	7.8	2.2	3.1	7	821465	814144						
											1.0	0.1	221	28.5	28.5	8.2	8.2	23.7	23.7	113.8	113.9	7.7												
					Middle	-	0.1	225	-	-	-	-	-	-	-	-	-																	
						-	0.1	227	-	-	-	-	-	-	-	-	-																	
					Bottom	4.6	0.1	235	28.3	28.3	8.1	8.1	24.2	24.2	103.9	104.0	7.1																	
						4.6	0.1	228	28.3	28.3	8.1	8.1	24.2	24.2	104.1	104.0	7.1																	
					SR3	Sunny	Moderate	16:52	8.2	Surface	1.0	0.0	231	28.5	28.5	8.2	8.2	27.0	27.1	102.5	102.5	6.8							6.4	5.4	6.3	6	822155	807586
											1.0	0.1	238	28.5	28.5	8.2	8.2	27.1	27.1	102.4	102.5	6.8												
Middle	4.1	0.0	212	28.3						28.3	8.1	8.1	28.3	28.3	90.5	90.5	6.0																	
	4.1	0.0	207	28.2						28.2	8.1	8.1	28.3	28.3	90.5	90.5	6.0																	
Bottom	7.2	0.1	196	28.2						28.2	8.1	8.1	28.8	28.8	85.3	85.3	5.7																	
	7.2	0.1	190	28.2						28.2	8.1	8.1	28.8	28.8	85.3	85.3	5.7																	
SR4A	Sunny	Moderate	18:34	9.9						Surface	1.0	0.1	215	29.1	29.1	8.4	8.4	26.1	26.1	137.6	137.6	9.2	8.9	3.5	3.6	7	817186	807787						
											1.0	0.1	222	29.1	29.1	8.4	8.4	26.1	26.1	137.5	137.6	9.2												
					Middle	5.0	-	227	28.7	28.7	8.3	8.3	26.1	26.1	129.2	129.3	8.6																	
						5.0	0.0	230	28.7	28.7	8.3	8.3	26.1	26.1	129.3	129.3	8.6																	
					Bottom	8.9	0.0	233	28.5	28.5	8.3	8.3	26.7	26.7	112.2	112.3	7.5																	
						8.9	0.0	234	28.5	28.5	8.3	8.3	26.7	26.7	112.4	112.3	7.5																	
					SR8	Sunny	Moderate	16:34	4.2	Surface	1.0	-	-	28.9	28.9	8.2	8.2	23.7	23.7	126.3	126.3	8.5							8.5	1.8	1.8	8	820409	811624
											1.0	-	-	28.8	28.8	8.2	8.2	23.7	23.7	126.3	126.3	8.5												
Middle	-	-	-	-						-	-	-	-	-	-	-	-																	
	-	-	-	-						-	-	-	-	-	-	-	-																	
Bottom	3.2	-	-	28.8						28.8	8.2	8.2	23.7	23.7	118.3	118.2	8.0																	
	3.2	-	-	28.8						28.8	8.2	8.2	23.8	23.7	118.1	118.2	8.0																	

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 28 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
C1	Sunny	Moderate	11:21	8.7	Surface	1.0	0.4	205	28.9	28.9	8.0	8.0	26.5	26.5	91.2	91.2	6.1	6.0	1.5	6.1	10	10	815614	804248								
						1.0	0.3	201	28.9		8.0		26.5		91.1		6.1		1.5		9											
						Middle	4.4	0.4	195	28.5	8.0	28.7	87.9	5.8	6.9	9																
							4.4	0.4	192	28.5	8.0	28.7	87.8	5.8	6.2	10																
					Bottom	7.7	0.3	190	28.5	8.0	29.0	88.3	5.8	10.2	10																	
						7.7	0.3	186	28.5	8.0	29.0	88.4	5.8	10.5	10																	
						C2	Sunny	Moderate	13:20	12.4	Surface	1.0	0.6	167	29.2	29.2	8.0	8.0	24.0	24.0	93.5	93.5			6.3	6.1	2.3	7.7	9	9	825704	806936
												1.0	0.7	173	29.2		8.0		24.0		93.4				6.3		2.4		9			
Middle	6.2	0.6	173	28.6	8.0							25.5	87.4	5.9	10.2	9																
	6.2	0.6	180	28.6	8.0							25.6	87.4	5.9	10.2	9																
Bottom	11.4	0.7	152	28.5	8.0						26.0	88.7	6.0	10.3	10																	
	11.4	0.6	155	28.5	8.0						26.0	89.1	6.0	10.9	9																	
	C3	Sunny	Moderate	10:51	12.6						Surface	1.0	0.4	88	28.6	28.6	8.0	8.0	28.6	28.7	88.8	88.8	5.9	5.7	3.6	4.6	9	9	822125	817794		
												1.0	0.4	91	28.5		8.0		28.7		88.7		5.9		3.6		9					
Middle						6.3	0.4	84	28.2	8.0		29.9	81.3	5.4	4.1	8																
						6.3	0.4	88	28.2	8.0		29.9	81.1	5.4	4.2	9																
Bottom						11.6	0.4	104	28.2	8.0	30.7	78.9	5.2	6.0	8																	
						11.6	0.4	100	28.2	8.0	30.7	78.9	5.2	6.0	8																	
						IM1	Sunny	Moderate	11:50	6.4	Surface	1.0	0.3	182	28.7	28.8	8.0	8.0	27.5	27.4	88.4	88.5	5.9	5.8	5.3	8.3	9	10			818351	806458
												1.0	0.3	183	28.8		8.0		27.4		88.6		5.9		4.9		10					
Middle	3.2	0.3	200	28.7	8.0							27.6	86.3	5.7	6.6	10																
	3.2	0.2	193	28.7	8.0							27.6	86.3	5.7	6.5	9																
Bottom	5.4	0.4	173	28.5	8.0						28.4	86.5	5.7	13.3	10																	
	5.4	0.4	170	28.5	8.0						28.4	86.8	5.8	13.3	10																	
	IM2	Sunny	Moderate	11:56	7.2						Surface	1.0	0.4	209	28.5	28.5	8.0	8.0	27.4	27.4	85.2	85.3	5.7	5.7	9.0	10.5	10	10	819206	806237		
												1.0	0.5	213	28.5		8.0		27.4		85.3		5.7		8.5		9					
Middle						3.6	0.4	198	28.5	8.0		27.4	85.1	5.7	9.2	10																
						3.6	0.3	196	28.5	8.0		27.4	85.2	5.7	9.9	11																
Bottom						6.2	0.3	204	28.4	8.0	27.9	85.8	5.7	13.2	12																	
						6.2	0.3	207	28.4	8.0	27.9	86.0	5.7	13.2	10																	
						IM7	Sunny	Moderate	12:44	8.2	Surface	1.0	0.3	199	29.0	29.0	8.0	8.0	25.2	25.2	91.3	91.3	6.1	5.9	3.4	7.3	11	11			821369	806843
												1.0	0.2	195	29.0		8.0		25.2		91.2		6.1		3.8		10					
Middle	4.1	0.3	203	28.5	8.0							26.0	84.9	5.7	6.3	11																
	4.1	0.3	207	28.5	8.0							26.1	84.8	5.7	6.7	10																
Bottom	7.2	0.3	198	28.5	8.0						27.0	85.6	5.7	11.8	12																	
	7.2	0.3	200	28.5	8.0						27.0	85.7	5.7	11.7	11																	

DA: Depth-Averaged

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

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA														
IM10	Sunny	Moderate	12:04	8.6	Surface	1.0	0.4	126	28.7	28.7	8.2	8.2	27.4	27.4	92.5	92.4	6.1	6.1	4.8	5.8	9	822243	809861											
						1.0	0.4	125	28.7	8.2	8.2	27.5	27.4	92.3	92.4	6.1																		
					Middle	4.3	0.5	103	28.6	28.6	8.2	8.2	27.8	27.8	92.0	92.0	6.1							6.1	6.0									
						4.3	0.5	110	28.6	8.2	8.2	27.8	27.8	92.0	92.0	6.1																		
					Bottom	7.6	0.5	117	28.4	28.4	8.2	8.2	28.0	28.0	92.6	92.7	6.2							6.2	6.6									
						7.6	0.5	114	28.4	8.2	8.2	28.0	28.0	92.8	92.7	6.2																		
					IM11	Sunny	Moderate	11:58	9.0	Surface	1.0	0.6	93	28.9	28.9	8.1	8.1							27.4	27.4	96.7	96.6	6.4	6.2	4.4	5.4	9	821479	810534
											1.0	0.6	100	28.8	8.1	8.1	27.4							27.4	96.4	96.6	6.4							
Middle	4.5	0.6	90	28.6						28.6	8.1	8.1	27.9	27.9	88.3	88.3	5.9	5.9	5.1															
	4.5	0.6	95	28.6						8.1	8.1	27.9	27.9	88.3	88.3	5.9																		
Bottom	8.0	0.6	74	28.7						28.8	8.1	8.1	27.8	27.8	89.3	89.5	5.9	5.9	6.6															
	8.0	0.6	72	28.8						8.1	8.1	27.7	27.8	89.7	89.5	5.9																		
IM12	Sunny	Moderate	11:52	8.2						Surface	1.0	0.6	113	28.9	28.9	8.1	8.1	27.2	27.2	93.9	93.9	6.2	6.0	3.1	4.2	10	821158	811538						
											1.0	0.5	114	28.9	8.1	8.1	27.2	27.2	93.9	93.9	6.2													
					Middle	4.1	0.6	102	28.6	28.6	8.1	8.1	27.9	27.9	86.6	86.5	5.8	5.8	4.1															
						4.1	0.6	97	28.6	8.1	8.1	27.9	27.9	86.4	86.5	5.7																		
					Bottom	7.2	0.6	92	28.6	28.6	8.1	8.1	28.0	28.0	87.2	87.3	5.8	5.8	5.4															
						7.2	0.5	85	28.6	8.1	8.1	28.0	28.0	87.3	87.3	5.8																		
					SR1A	Sunny	Moderate	11:30	3.8	Surface	1.0	-	70	28.8	28.8	8.1	8.1	27.2	27.2	94.8	94.9	6.3							6.3	5.2	5.6	10	819970	812660
											1.0	0.0	75	28.8	8.1	8.1	27.2	27.2	94.9	94.9	6.3													
Middle	1.9	0.0	79	-						-	-	-	-	-	-	-	-	-	-															
	1.9	-	77	-						-	-	-	-	-	-	-																		
Bottom	2.8	0.1	44	28.5						28.5	8.2	8.2	27.4	27.5	95.8	96.0	6.4	6.4	6.0															
	2.8	0.1	47	28.4						8.2	8.2	27.5	27.5	96.1	96.0	6.4																		
SR2	Sunny	Moderate	11:18	4.6						Surface	1.0	0.5	50	28.9	28.9	8.2	8.2	26.7	26.7	97.9	97.9	6.5	6.5	4.0	4.0	9	821452	814147						
											1.0	0.5	56	28.9	8.2	8.2	26.8	26.8	97.8	97.8	6.5													
					Middle	-	0.5	56	-	-	-	-	-	-	-	-	-	-	-															
						-	0.5	53	-	-	-	-	-	-	-	-																		
					Bottom	3.6	0.5	26	28.9	28.9	8.2	8.2	27.2	27.2	94.5	94.7	6.3	6.3	4.0															
						3.6	0.5	30	28.9	8.2	8.2	27.2	27.2	94.8	94.7	6.3																		
					SR3	Sunny	Moderate	12:51	9.6	Surface	1.0	0.5	158	29.1	29.1	8.0	8.0	24.6	24.6	94.2	94.2	6.3							6.2	4.2	6.6	11	822164	807549
											1.0	0.5	159	29.1	8.0	8.0	24.6	24.6	94.1	94.2	6.3													
Middle	4.8	0.5	169	28.8						28.8	8.0	8.0	25.4	25.4	89.1	89.0	6.0	6.0	6.3															
	4.8	0.5	165	28.8						8.0	8.0	25.4	25.4	88.9	89.0	6.0																		
Bottom	8.6	0.5	173	28.5						28.5	8.0	8.0	26.5	26.5	86.4	86.5	5.8	5.8	9.5															
	8.6	0.5	179	28.5						8.0	8.0	26.5	26.5	86.6	86.5	5.8																		
SR4A	Sunny	Moderate	10:51	9.2						Surface	1.0	0.0	111	28.9	28.9	8.0	8.0	26.9	26.9	87.3	87.3	5.8	5.7	3.4	4.0	10	817202	807811						
											1.0	0.0	111	28.9	8.0	8.0	26.9	26.9	87.3	87.3	5.8													
					Middle	4.6	0.0	119	28.4	28.4	7.9	7.9	27.9	27.9	82.9	82.9	5.5	5.5	3.1															
						4.6	0.0	112	28.4	7.9	7.9	27.9	27.9	82.9	82.9	5.5																		
					Bottom	8.2	0.0	105	28.4	28.4	7.9	7.9	28.0	28.0	83.4	83.4	5.6	5.6	5.5															
						8.2	0.1	110	28.4	7.9	7.9	28.0	28.0	83.4	83.4	5.6																		
					SR8	Sunny	Moderate	11:47	4.0	Surface	1.0	-	-	28.8	28.8	8.2	8.2	27.3	27.3	91.9	91.9	6.1							6.1	7.3	7.5	8	820385	811627
											1.0	-	-	28.8	8.2	8.2	27.3	27.3	91.9	91.9	6.1													
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-															
	-	-	-	-						-	-	-	-	-	-	-																		
Bottom	3.0	-	-	28.7						28.7	8.2	8.2	27.3	27.3	92.0	92.1	6.1	6.1	7.7															
	3.0	-	-	28.7						8.2	8.2	27.3	27.3	92.1	92.1	6.1																		

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	18:49	9.1	Surface	1.0	0.4	30	28.8	28.8	8.0	8.0	26.8	26.8	88.0	88.0	5.9	5.8	5.8	8.4	10	10	815604	804256
						1.0	0.3	36	28.8	8.0	26.8	87.9	5.9											
					Middle	4.6	0.3	21	28.5	28.5	8.0	8.0	27.9	27.9	86.4	86.5	5.7							
						4.6	0.4	20	28.5	8.0	27.9	86.5	5.8											
					Bottom	8.1	0.3	35	28.5	28.5	8.0	8.0	28.0	28.0	87.9	88.0	5.8							
						8.1	0.3	36	28.5	8.0	28.0	88.1	5.9											
C2	Fine	Moderate	17:11	11.7	Surface	1.0	0.1	183	29.1	29.1	8.0	8.0	24.2	24.2	92.8	92.7	6.2	6.0	6.0	7.5	10	825681	806958	
						1.0	0.1	176	29.1	8.0	24.3	92.6	6.2											
					Middle	5.9	0.2	189	28.5	28.5	8.0	8.0	25.9	25.9	86.8	86.9	5.8							
						5.9	0.1	195	28.5	8.0	26.0	87.0	5.8											
					Bottom	10.7	0.1	167	28.7	28.7	8.0	8.0	26.2	26.2	88.1	88.1	5.9							
						10.7	0.1	167	28.7	8.0	26.2	88.1	5.9											
C3	Fine	Moderate	18:13	9.8	Surface	1.0	0.4	271	28.7	28.7	8.2	8.2	28.3	28.3	92.5	92.6	6.1	6.2	6.2	6.3	12	822087	817814	
						1.0	0.4	273	28.7	8.2	28.3	92.6	6.1											
					Middle	4.9	0.5	247	28.7	28.7	8.2	8.2	28.3	28.3	93.6	93.6	6.2							
						4.9	0.5	245	28.7	8.2	28.3	93.6	6.2											
					Bottom	8.8	0.5	270	28.7	28.7	8.2	8.2	28.3	28.3	94.6	94.8	6.3							
						8.8	0.5	269	28.7	8.2	28.3	94.9	6.3											
IM1	Fine	Moderate	18:19	8.4	Surface	1.0	0.2	26	28.7	28.7	8.0	8.0	27.1	27.1	85.6	85.6	5.7	5.7	5.7	7.0	11	818370	806458	
						1.0	0.1	21	28.7	8.0	27.1	85.6	5.7											
					Middle	4.2	0.1	29	28.6	28.6	8.0	8.0	27.3	27.3	85.7	85.8	5.7							
						4.2	0.1	33	28.6	8.0	27.3	85.8	5.7											
					Bottom	7.4	0.1	41	28.6	28.6	8.0	8.0	27.3	27.3	86.5	86.6	5.8							
						7.4	0.2	34	28.6	8.0	27.3	86.7	5.8											
IM2	Fine	Moderate	18:15	6.4	Surface	1.0	0.1	324	28.8	28.8	8.0	8.0	27.2	27.2	88.5	88.5	5.9	5.7	5.7	9.2	9	819198	806251	
						1.0	0.1	324	28.8	8.0	27.2	88.4	5.9											
					Middle	3.2	0.1	343	28.5	28.5	8.0	8.0	27.8	27.8	83.2	83.4	5.5							
						3.2	0.1	342	28.5	8.0	27.8	83.5	5.6											
					Bottom	5.4	0.1	340	28.5	28.5	8.0	8.0	27.8	27.8	85.8	86.0	5.7							
						5.4	0.2	339	28.5	8.0	27.8	86.2	5.7											
IM7	Fine	Moderate	17:41	7.3	Surface	1.0	0.2	286	29.2	29.2	8.0	8.0	24.5	24.5	96.0	95.9	6.4	6.2	6.2	5.2	9	821355	806822	
						1.0	0.2	292	29.2	8.0	24.5	95.8	6.4											
					Middle	3.7	0.2	278	28.9	28.9	8.0	8.0	25.4	25.4	89.9	89.9	6.0							
						3.7	0.2	278	28.9	8.0	25.4	89.9	6.0											
					Bottom	6.3	0.2	267	28.6	28.6	8.0	8.0	26.2	26.2	88.5	88.6	5.9							
						6.3	0.1	260	28.6	8.0	26.2	88.6	5.9											

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**Water Quality Monitoring**

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA														
IM10	Sunny	Moderate	17:16	9.4	Surface	1.0	0.2	259	28.9	28.9	8.2	8.2	27.1	27.2	96.2	96.3	6.4	6.3	5.4	6.9	8	9	822221	809837										
						1.0	0.2	255	28.8	8.2	27.2	96.3	6.4	5.4	9																			
					Middle	4.7	0.3	239	28.7	28.7	8.2	8.2	27.6	27.6	92.4	92.6	6.1		6.1		7.0				8									
						4.7	0.2	237	28.7	8.2	27.6	92.7	6.2	7.0	10																			
					Bottom	8.4	0.2	237	28.9	28.9	8.2	8.2	27.2	27.1	94.2	94.4	6.3		6.3		8.2				6.3	8.2	10							
						8.4	0.2	241	28.9	8.2	27.1	94.5	6.3	8.2	9																			
					IM11	Sunny	Moderate	17:21	8.0	Surface	1.0	0.3	259	29.1	29.1	8.2	8.2		27.1		27.2				96.7	96.6	6.4	6.3	4.8	6.5	9	10	821480	810525
											1.0	0.3	261	29.1	8.2	27.2	96.4		6.4		4.8				9									
Middle	4.0	0.3	272	28.8						28.8	8.1	8.1	27.6	27.6	92.2	92.1	6.1	6.1	7.0	10														
	4.0	0.4	271	28.8						8.1	27.6	92.0	6.1	6.9	10																			
Bottom	7.0	0.3	281	28.7						28.7	8.1	8.1	27.8	27.8	92.9	93.0	6.2	6.2	7.9	6.2	7.9	10												
	7.0	0.3	283	28.7						8.1	27.8	93.1	6.2	7.8	10																			
IM12	Sunny	Moderate	17:25	8.6						Surface	1.0	0.3	260	28.8	28.8	8.1	8.1	27.4	27.5	95.2	95.1	6.3	6.1	5.1	6.4	8	9		821154		811516			
											1.0	0.3	262	28.8	8.1	27.5	95.0	6.3	5.1	8														
					Middle	4.3	0.3	257	28.6	28.6	8.1	8.1	27.9	27.9	87.9	88.0	5.8	6.1	6.0	9														
						4.3	0.3	252	28.6	8.1	27.9	88.0	5.9	6.0	9																			
					Bottom	7.6	0.3	275	28.5	28.5	8.1	8.1	27.9	27.9	90.3	90.4	6.0	6.0	8.0	6.0	8.0	10												
						7.6	0.3	280	28.5	8.1	27.9	90.5	6.0	8.0	10																			
					SR1A	Fine	Moderate	17:44	5.2	Surface	1.0	0.0	197	28.9	28.9	8.1	8.1	27.2	27.2	93.7	93.7	6.2		6.2		3.4		4.1		10		10	819981	812657
											1.0	-	190	28.9	8.1	27.3	93.7	6.2	3.4	11														
Middle	2.6	0.1	189	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-									
	2.6	0.0	189	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Bottom	4.2	0.0	172	28.9						28.9	8.1	8.1	27.3	27.3	94.0	94.1	6.2	6.2	4.7	6.2	4.7	10												
	4.2	0.0	169	28.9						8.1	27.2	94.1	6.2	4.8	10																			
SR2	Fine	Moderate	17:56	4.4						Surface	1.0	0.2	239	28.9	28.9	8.2	8.2	27.4	27.4	98.5	98.4	6.5	6.5		5.9	6.2	11		11	821451	814161			
											1.0	0.2	238	28.9	8.2	27.4	98.3	6.5	5.9	11														
					Middle	-	0.2	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-										
						-	0.1	222	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					Bottom	3.4	0.1	235	28.7	28.7	8.2	8.2	27.6	27.6	98.1	98.4	6.5	6.5	6.6	6.5	6.6	10												
						3.4	0.1	234	28.7	8.2	27.6	98.6	6.5	6.6	10																			
					SR3	Fine	Moderate	17:35	9.2	Surface	1.0	0.1	274	29.0	29.0	8.0	8.0	24.8	24.9	91.4	91.0	6.1		6.1	4.5		5.4	8				9	822124	807589
											1.0	0.1	272	28.9	8.0	25.0	90.6	6.1	4.9	8														
Middle	4.6	0.1	275	28.7						28.7	8.0	8.0	25.5	25.5	89.4	89.4	6.0	6.1	5.5	6.1	5.5	9												
	4.6	0.1	272	28.7						8.0	25.5	89.4	6.0	5.5	9																			
Bottom	8.2	0.1	250	28.7						28.7	8.0	8.0	25.7	25.7	89.3	89.3	6.0	6.0	6.0	6.0	6.0	10												
	8.2	0.0	244	28.7						8.0	25.7	89.3	6.0	6.2	9																			
SR4A	Fine	Moderate	19:29	9.0						Surface	1.0	0.0	217	29.2	29.2	8.0	8.0	25.9	25.9	88.9	88.8	5.9	5.9		8.7	11.1		11	10	817180	807808			
											1.0	0.0	209	29.2	8.0	26.0	88.7	5.9	8.9	10														
					Middle	4.5	0.1	216	28.9	28.9	8.0	8.0	26.4	26.4	87.7	87.7	5.8	6.1	11.6	9														
						4.5	0.0	219	28.9	8.0	26.4	87.7	5.8	11.7	10																			
					Bottom	8.0	0.0	220	28.8	28.8	8.0	8.0	26.5	26.5	88.2	88.3	5.9	5.9	13.0	6.0	13.0	9												
						8.0	0.0	222	28.8	8.0	26.5	88.4	5.9	13.0	10																			
					SR8	Sunny	Moderate	17:29	5.2	Surface	1.0	-	-	28.8	28.8	8.1	8.1	27.4	27.4	90.5	90.4	6.0		6.0	7.1		7.6	9				10	820410	811631
											1.0	-	-	28.8	8.1	27.4	90.3	6.0	7.0	10														
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-													
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-														
Bottom	4.2	-	-	28.6						28.6	8.1	8.1	27.5	27.5	88.9	88.9	5.9	5.9	8.1	6.0	8.1	10												
	4.2	-	-	28.6						8.1	27.5	88.9	5.9	8.1	10																			

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 30 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
C1	Sunny	Moderate	13:21	8.2	Surface	1.0	0.4	209	29.0	29.0	8.0	8.0	27.1	27.1	91.7	91.7	6.1	5.9	2.8	6.0	4	5	815618	804268							
						1.0	0.4	210	29.0		8.0		27.1		91.6		6.1		2.8		5										
					Middle	4.1	0.4	200	28.9	28.9	8.0	8.0	27.4	27.4	84.7	84.6	5.6	5.6	5.6	5.6	6.9	5.6			5	4					
						4.1	0.4	198	28.9		8.0		27.4		84.4		5.6		7.0		4										
					Bottom	7.2	0.4	225	28.9	28.9	8.0	8.0	27.6	27.6	84.9	85.0	5.6	5.6	5.6	5.6	8.2	5.6			4	5					
						7.2	0.5	222	28.9		8.0		27.6		85.1		5.6		8.1		5										
					C2	Sunny	Moderate	11:48	12.2	Surface	1.0	0.0	180	29.2	29.2	7.9	7.9	25.2	25.2	80.8	80.8	5.4			5.4	5.3	8.5	6	7	825670	806928
											1.0	0.1	174	29.2		7.9		25.3		80.7		5.4				5.8		7			
Middle	6.1	0.0	157	29.0						29.0	7.9	7.9	25.7	25.7	81.2	81.3	5.4	5.4	5.4	5.4	9.9	5.4	7	6							
	6.1	0.0	153	29.0							7.9		25.7		81.4		5.4		9.1		6										
Bottom	11.2	0.1	170	29.0						29.0	7.9	7.9	26.9	26.9	81.8	81.8	5.4	5.4	5.4	5.4	10.2	5.4	9	8							
	11.2	0.1	173	29.0							7.9		26.9		81.7		5.4		10.7		8										
C3	Fine	Moderate	12:52	9.4						Surface	1.0	0.4	76	29.2	29.2	8.1	8.1	28.7	28.8	84.6	84.6	5.5	5.5	6.1	7.1	6	6	822112	817790		
											1.0	0.4	75	29.2		8.1		28.8		84.5		5.5		6.1		6					
					Middle	4.7	0.4	67	29.1	29.1	8.1	8.1	29.1	29.1	84.6	84.7	5.5	5.5	5.5	5.5	7.2	5.5	6	7							
						4.7	0.4	72	29.1		8.1		29.2		84.8		5.5		7.2		7										
					Bottom	8.4	0.4	72	29.1	29.1	8.1	8.1	29.4	29.4	86.0	86.2	5.6	5.6	5.6	5.6	8.0	5.6	7	6							
						8.4	0.4	73	29.1		8.1		29.4		86.3		5.6		8.0		6										
					IM1	Sunny	Moderate	12:58	7.2	Surface	1.0	0.3	176	29.9	30.0	8.0	8.0	26.0	26.0	96.7	96.8	6.4	6.2	1.6	6.2	5	4			818346	806465
											1.0	0.3	170	30.0		8.0		26.0		96.8		6.4		1.4		4					
Middle	3.6	0.3	198	29.0						29.0	8.0	8.0	27.0	27.0	91.3	91.2	6.1	6.0	6.1	6.0	3.5	6.0	5	4							
	3.6	0.3	200	29.0							8.0		27.1		91.0		6.0		3.5		4										
Bottom	6.2	0.3	175	28.9						28.9	8.0	8.0	27.5	27.5	86.5	86.6	5.7	5.7	5.7	5.7	7.9	5.7	6	5							
	6.2	0.3	171	28.9							8.0		27.5		86.6		5.7		8.7		5										
IM2	Sunny	Moderate	12:53	7.0						Surface	1.0	0.3	186	29.3	29.3	8.0	8.0	26.9	26.9	93.8	93.8	6.2	6.0	3.2	5.6	8	7	819164	806249		
											1.0	0.3	179	29.3		8.0		26.9		93.8		6.2		3.2		8					
					Middle	3.5	0.2	180	28.9	28.9	8.0	8.0	27.5	27.5	88.2	88.1	5.8	5.8	5.8	5.8	4.7	5.8	7	6							
						3.5	0.3	184	28.9		8.0		27.5		88.0		5.8		5.0		6										
					Bottom	6.0	0.2	205	28.9	28.9	8.0	8.0	27.7	27.7	87.6	87.7	5.8	5.8	5.8	5.8	8.6	5.8	6	5							
						6.0	0.2	200	28.9		8.0		27.7		87.7		5.8		8.6		5										
					IM7	Sunny	Moderate	12:22	8.5	Surface	1.0	0.2	100	29.4	29.4	7.9	7.9	25.0	25.0	86.0	86.1	5.7	5.7	3.1	7.2	5	5			821343	806813
											1.0	0.2	94	29.4		8.0		25.0		86.1		5.7		3.4		6					
Middle	4.3	0.2	98	29.0						29.0	8.0	8.0	26.9	26.9	86.6	86.7	5.7	5.7	5.7	5.7	7.7	5.7	4	3							
	4.3	0.2	103	29.0							8.0		27.0		86.7		5.7		8.0		5										
Bottom	7.5	0.2	124	29.0						29.0	8.0	8.0	27.3	27.3	88.2	88.4	5.8	5.9	5.8	5.9	10.9	5.9	3	4							
	7.5	0.2	123	29.0							8.0		27.3		88.5		5.9		10.1		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 30 September 23 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	11:55	9.2	Surface	1.0	0.3	88	29.1	29.1	8.1	8.1	28.2	28.2	81.1	81.1	5.3	5.4	5.2	6.4	6	6	822241	809816
						1.0	0.3	86	29.1		8.1		28.3		81.1		5.3		5.2		7			
					Middle	4.6	0.3	70	29.1	8.1	28.2	81.6	81.7	5.4	6.4	6								
						4.6	0.3	75	29.1	8.1	28.2	81.7	81.7	5.4	6.5	5								
					Bottom	8.2	0.2	91	29.1	8.0	28.2	82.1	82.2	5.4	7.7	5								
						8.2	0.3	89	29.1	8.0	28.2	82.2	82.2	5.4	7.7	6								
IM11	Sunny	Moderate	11:59	7.2	Surface	1.0	0.3	81	29.3	29.3	8.1	8.1	27.8	27.8	84.5	84.5	5.6	5.6	6.3	7.6	6	6	821513	810528
						1.0	0.3	85	29.3		8.1		27.8		84.5		5.6		6.3		6			
					Middle	3.6	0.4	102	29.3	8.1	27.8	84.9	85.0	5.6	7.6	6								
						3.6	0.4	102	29.3	8.1	27.8	85.0	85.0	5.6	7.6	5								
					Bottom	6.2	0.3	88	29.3	8.0	27.8	86.7	87.0	5.7	8.8	5								
						6.2	0.3	87	29.3	8.0	27.8	87.3	87.0	5.7	8.8	6								
IM12	Sunny	Moderate	12:04	8.2	Surface	1.0	0.3	93	29.4	29.4	8.1	8.1	27.2	27.3	86.7	86.8	5.7	5.7	2.3	3.5	7	6	821167	811495
						1.0	0.3	89	29.4		8.1		27.3		86.8		5.7		2.3		6			
					Middle	4.1	0.3	85	29.4	8.1	27.5	86.8	86.8	5.7	3.8	6								
						4.1	0.3	86	29.4	8.1	27.5	86.8	86.8	5.7	3.8	6								
					Bottom	7.2	0.4	93	29.4	8.1	27.6	87.7	88.1	5.8	4.3	5								
						7.2	0.3	91	29.4	8.1	27.6	88.4	88.1	5.8	4.3	5								
SR1A	Fine	Moderate	12:23	4.2	Surface	1.0	0.0	32	29.7	29.7	8.1	8.1	27.6	27.6	86.1	86.2	5.6	5.6	4.1	4.4	6	6	819978	812665
						1.0	0.1	26	29.7		8.1		27.6		86.3		5.6		4.1		6			
					Middle	2.1	0.0	23	-	-	-	-	-	-	-	-								
						2.1	0.1	19	-	-	-	-	-	-	-	-								
					Bottom	3.2	0.0	16	29.7	8.1	27.7	87.9	88.4	5.7	4.8	6								
						3.2	0.0	19	29.7	8.1	27.7	88.9	88.4	5.8	4.8	6								
SR2	Fine	Moderate	12:35	5.0	Surface	1.0	0.3	43	29.4	29.4	8.1	8.1	27.2	27.3	86.3	86.3	5.7	5.7	5.1	5.8	6	6	821442	814157
						1.0	0.4	49	29.4		8.1		27.3		86.2		5.7		5.1		7			
					Middle	-	0.3	43	-	-	-	-	-	-	-	-								
						-	0.3	45	-	-	-	-	-	-	-	-								
					Bottom	4.0	0.3	71	29.4	8.0	27.5	87.0	87.2	5.7	6.6	5								
						4.0	0.3	64	29.4	8.0	27.5	87.3	87.2	5.7	6.6	5								
SR3	Sunny	Moderate	12:14	9.5	Surface	1.0	0.2	145	29.3	29.3	7.9	7.9	25.0	25.1	80.8	80.8	5.4	5.4	7.4	8.8	4	5	822136	807556
						1.0	0.2	140	29.3		7.9		25.1		80.7		5.4		7.6		3			
					Middle	4.8	0.2	128	29.0	7.9	25.8	80.3	80.3	5.4	9.2	4								
						4.8	0.2	133	29.0	7.9	25.9	80.3	80.3	5.4	9.8	5								
					Bottom	8.5	0.2	119	29.0	7.9	26.2	78.6	78.5	5.2	9.3	6								
						8.5	0.1	119	29.0	7.9	26.2	78.3	78.5	5.2	9.9	5								
SR4A	Sunny	Moderate	13:39	9.2	Surface	1.0	0.0	70	29.4	29.4	8.0	8.0	26.8	26.8	88.8	88.8	5.9	5.7	4.3	5.4	8	8	817191	807823
						1.0	0.0	74	29.4		8.0		26.8		88.7		5.8		4.4		7			
					Middle	4.6	0.0	64	29.0	8.0	27.2	85.1	85.1	5.6	5.4	8								
						4.6	0.1	70	29.0	8.0	27.2	85.1	85.1	5.6	5.5	8								
					Bottom	8.2	0.1	80	29.0	8.0	27.3	85.7	85.8	5.7	6.3	8								
						8.2	0.1	78	29.0	8.0	27.3	85.8	85.8	5.7	6.5	9								
SR8	Sunny	Moderate	12:08	5.2	Surface	1.0	-	-	29.3	29.3	8.1	8.1	27.0	27.0	87.4	87.5	5.8	5.8	5.2	5.7	6	7	820410	811612
						1.0	-	-	29.3		8.1		27.1		87.5		5.8		5.2		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.2	-	-	29.2	8.1	27.3	88.9	89.6	5.9	6.2	7								
						4.2	-	-	29.1	8.1	27.3	90.3	90.3	6.0	6.2	8								

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 30 September 23 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA	
C1	Fine	Moderate	06:53	7.8	Surface	1.0	0.4	24	29.2	29.2	8.0	8.0	25.8	25.7	92.2	92.2	6.1	6.1	6.1	6.1	7.3	4	5	815602	804238		
						1.0	0.4	27	29.2		8.0		25.7		92.2		6.1					2.3				4	
					Middle	3.9	0.4	17	28.8	28.8	8.0	8.0	27.2	27.2	89.7	89.7	6.0	6.0	6.0	5.9	6.0	5.9	6.2			13.1	4
						3.9	0.4	14	28.8		8.0		27.2		89.7		6.0		6.2		4						
					Bottom	6.8	0.4	53	28.8	28.8	8.0	8.0	27.9	27.9	89.3	89.3	5.9	5.9	5.9	5.9	13.1	5.9	13.4			13.4	5
						6.8	0.4	48	28.8		8.0		27.9		89.3		5.9		6								
C2	Fine	Moderate	08:33	11.7	Surface	1.0	0.5	356	29.1	29.1	7.9	7.9	25.4	25.4	81.2	81.2	5.4	5.4	5.4	5.5	8.8	7.4	8	825663	806936		
						1.0	0.5	352	29.1		7.9		25.5		81.2		5.4					7.6				8	
					Middle	5.9	0.5	346	29.0	29.0	7.9	7.9	25.7	25.7	82.1	82.2	5.5	5.5	5.5	5.5	7.4	5.5	7.4			11.4	7
						5.9	0.5	340	29.0		7.9		25.8		82.3		5.5		7								
					Bottom	10.7	0.5	3	29.0	29.0	7.9	7.9	26.9	26.9	83.6	83.6	5.5	5.5	5.5	5.5	11.4	5.5	11.3			11.3	7
						10.7	0.5	3	29.0		7.9		26.9		83.6		5.5		6								
C3	Sunny	Moderate	07:40	12.0	Surface	1.0	0.6	248	29.5	29.5	8.0	8.0	28.9	28.9	84.8	84.9	5.5	5.5	5.4	5.4	3.1	7	6	822102	817781		
						1.0	0.6	247	29.4		8.0		29.0		84.9		5.5					2.7				8	
					Middle	6.0	0.6	263	29.0	29.0	8.0	8.0	30.0	30.0	80.2	80.2	5.2	5.2	5.2	5.3	3.1	5.3	3.2			3.3	5
						6.0	0.6	261	29.0		8.0		30.0		80.1		5.2		6								
					Bottom	11.0	0.6	277	29.0	29.1	8.0	8.0	30.1	30.1	81.1	81.3	5.3	5.3	5.3	5.3	3.3	5.3	3.3			3.3	5
						11.0	0.6	276	29.1		8.0		30.1		81.4		5.3		5								
IM1	Fine	Moderate	07:20	6.7	Surface	1.0	0.3	13	29.0	29.0	8.0	8.0	26.9	26.9	90.1	90.0	6.0	6.0	5.9	5.8	5.8	4.8	3	818356	806467		
						1.0	0.2	11	29.0		8.0		27.0		89.8		6.0					5.0				3	
					Middle	3.4	0.2	359	28.9	28.9	8.0	8.0	27.5	27.5	88.1	88.1	5.8	5.8	5.8	5.8	6.2	5.8	6.3			6.3	3
						3.4	0.2	352	28.9		8.0		27.5		88.0		5.8		4								
					Bottom	5.7	0.2	7	28.9	28.9	8.0	8.0	27.6	27.6	88.3	88.3	5.8	5.8	5.8	5.8	6.3	5.8	6.2			6.2	3
						5.7	0.2	7	28.9		8.0		27.6		88.3		5.8		3								
IM2	Fine	Moderate	07:26	7.4	Surface	1.0	0.3	9	29.1	29.1	8.0	8.0	26.7	26.7	91.6	91.5	6.1	6.1	6.0	6.0	9.1	6	6	819183	806245		
						1.0	0.3	7	29.1		8.0		26.7		91.4		6.1					5.0				5	
					Middle	3.7	0.3	26	28.9	28.9	8.0	8.0	27.5	27.5	89.4	89.4	5.9	5.9	5.9	6.0	10.4	6.0	10.8			12.0	6
						3.7	0.3	21	28.9		8.0		27.5		89.4		5.9		5								
					Bottom	6.4	0.3	4	28.9	28.9	8.0	8.0	27.6	27.6	90.8	91.0	6.0	6.0	6.0	6.0	12.0	6.0	12.0			12.0	7
						6.4	0.3	357	28.9		8.0		27.6		91.1		6.0		7								
IM7	Fine	Moderate	08:00	8.5	Surface	1.0	0.3	12	29.5	29.5	7.9	7.9	24.4	24.3	84.6	84.7	5.7	5.7	5.7	5.7	5.7	3.7	6	821351	806836		
						1.0	0.3	5	29.5		7.9		24.3		84.8		5.7					3.7				5	
					Middle	4.3	0.3	16	29.0	29.0	8.0	8.0	26.3	26.4	85.7	85.8	5.7	5.7	5.7	5.7	4.5	5.7	4.5			9.1	6
						4.3	0.3	21	29.0		8.0		26.4		85.9		5.7		7								
					Bottom	7.5	0.3	3	29.0	29.0	8.0	8.0	27.2	27.2	87.2	87.3	5.8	5.8	5.8	5.8	9.1	5.8	9.0			9.0	7
						7.5	0.3	359	29.0		8.0		27.2		87.3		5.8		6								

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 30 September 23 during Mid-Flood Tide**

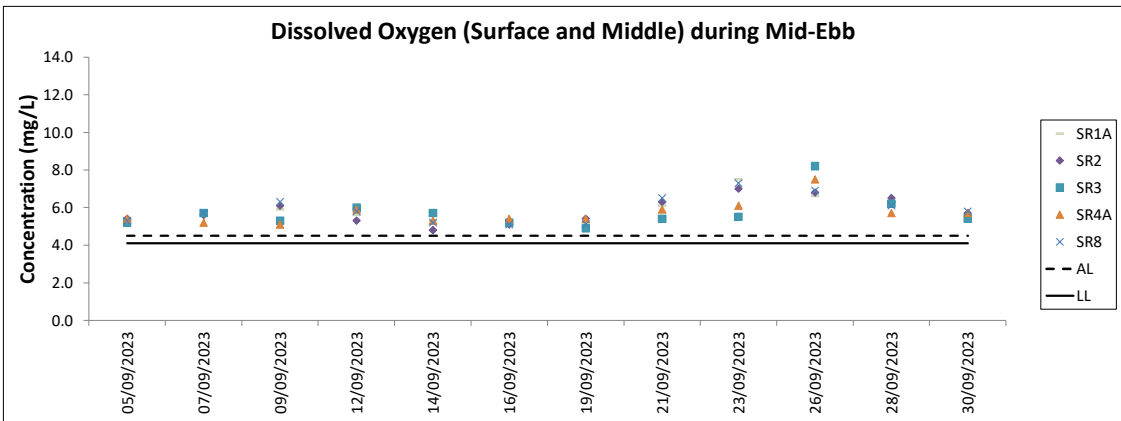
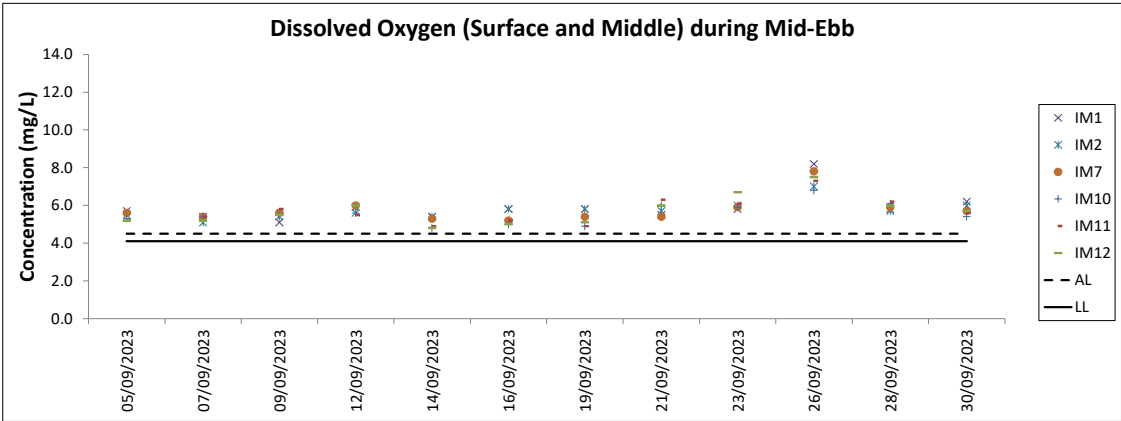
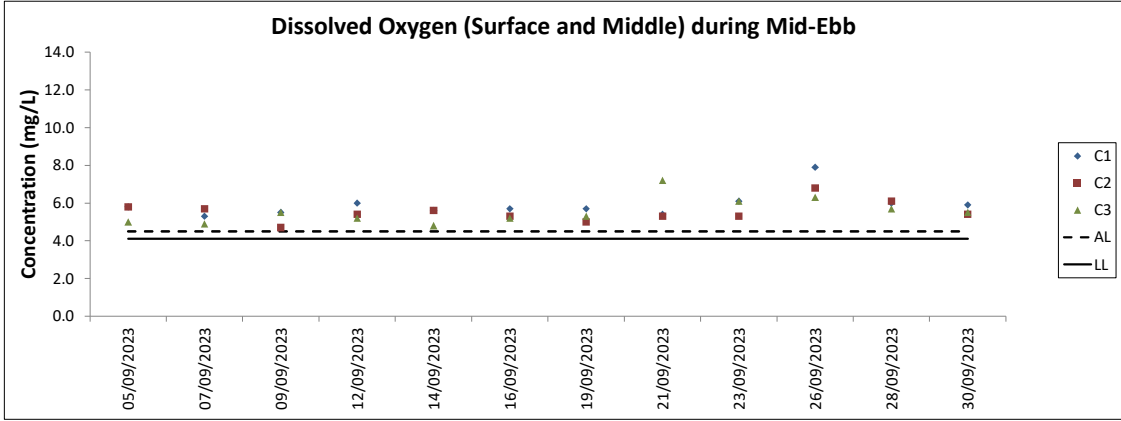
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA							
IM10	Sunny	Moderate	08:53	8.2	Surface	1.0	0.4	304	<u>29.1</u>	29.1	8.0	8.0	<u>28.3</u>	28.3	<u>82.7</u>	82.7	5.4	5.5	7.1	8.3	5	6	822233	809818									
						1.0	0.4	303	<u>29.1</u>		8.0	8.0	<u>28.3</u>	28.3	<u>82.6</u>	82.7	5.4		7.1														
					Middle	4.1	0.4	304	<u>29.1</u>	29.1	8.0	8.0	<u>28.3</u>	28.3	<u>83.0</u>	83.1	5.5	5.5	8.9		6												
						4.1	0.4	306	<u>29.1</u>		8.0	8.0	<u>28.3</u>	28.3	<u>83.2</u>	83.1	5.5	5.5	8.9		7												
					Bottom	7.2	0.4	277	<u>29.1</u>	29.1	8.0	8.0	<u>28.3</u>	28.3	<u>84.7</u>	85.0	5.6	5.6	9.0		7												
						7.2	0.3	281	<u>29.1</u>		8.0	8.0	<u>28.3</u>	28.3	<u>85.2</u>	85.0	5.6	5.6	9.0		7												
					IM11	Sunny	Moderate	08:47	9.0	Surface	1.0	0.5	276	<u>29.3</u>	29.3	8.1	8.1	<u>27.2</u>	27.3		<u>87.7</u>				87.8	5.8	5.8	5.9	6.7	8	7	821507	810528
											1.0	0.4	283	<u>29.2</u>		8.1	8.1	<u>27.3</u>	27.3		<u>87.8</u>				87.8	5.8		5.9					
Middle	4.5	0.5	263	<u>29.1</u>						29.1	8.1	8.1	<u>27.6</u>	27.6	<u>88.5</u>	88.7	5.8	5.8	6.3	7													
	4.5	0.5	258	<u>29.1</u>							8.1	8.1	<u>27.6</u>	27.6	<u>88.8</u>	88.7	5.9	5.9	6.3	7													
Bottom	8.0	0.5	279	<u>29.1</u>						29.1	8.1	8.1	<u>27.6</u>	27.6	<u>89.7</u>	90.1	5.9	6.0	7.9	6													
	8.0	0.5	284	<u>29.1</u>							8.1	8.1	<u>27.6</u>	27.6	<u>90.4</u>	90.1	6.0	6.0	8.0	6													
IM12	Sunny	Moderate	08:41	7.2						Surface	1.0	0.5	285	<u>29.2</u>	29.2	8.1	8.1	<u>27.2</u>	27.2	<u>85.3</u>	85.4	5.6	5.7	3.6	4.7	5	6	821144		811512			
											1.0	0.5	278	<u>29.2</u>		8.1	8.1	<u>27.3</u>	27.2	<u>85.4</u>	85.4	5.6		3.5									
					Middle	3.6	0.5	268	<u>29.1</u>	29.1	8.1	8.1	<u>27.7</u>	27.7	<u>86.2</u>	86.3	5.7	5.7	4.9	6													
						3.6	0.5	263	<u>29.1</u>		8.1	8.1	<u>27.7</u>	27.7	<u>86.4</u>	86.3	5.7	5.7	5.0	5													
					Bottom	6.2	0.5	266	<u>29.1</u>	29.1	8.1	8.1	<u>27.8</u>	27.8	<u>88.2</u>	88.5	5.8	5.9	5.5	7													
						6.2	0.5	265	<u>29.1</u>		8.1	8.1	<u>27.8</u>	27.8	<u>88.8</u>	88.5	5.9	5.9	5.5	7													
					SR1A	Sunny	Moderate	08:19	5.2	Surface	1.0	0.0	216	<u>29.1</u>	29.1	8.1	8.1	<u>28.0</u>	28.0	<u>84.5</u>	84.6	5.6	5.6	3.1		3.6			6		6	819980	812665
											1.0	0.1	211	<u>29.1</u>		8.1	8.1	<u>28.1</u>	28.0	<u>84.6</u>	84.6	5.6		3.1									
Middle	2.6	0.0	194	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	2.6	0.0	188	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Bottom	4.2	0.1	195	<u>28.9</u>						28.9	8.1	8.1	<u>28.2</u>	28.2	<u>86.6</u>	86.9	5.7	5.7	4.1	5													
	4.2	0.1	192	<u>28.9</u>							8.1	8.1	<u>28.2</u>	28.2	<u>87.2</u>	86.9	5.7	5.7	4.1	6													
SR2	Sunny	Moderate	08:07	5.0						Surface	1.0	0.1	250	<u>29.3</u>	29.3	8.0	8.0	<u>28.2</u>	28.2	<u>83.0</u>	83.0	5.4	5.4	3.5	4.0		5	6	821439	814149			
											1.0	0.0	246	<u>29.3</u>		8.0	8.0	<u>28.2</u>	28.2	<u>82.9</u>	83.0	5.4		3.5									
					Middle	-	0.1	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	0.1	215	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	4.0	0.1	222	<u>29.2</u>	29.2	8.0	8.0	<u>28.3</u>	28.3	<u>83.8</u>	83.9	5.5	5.5	4.4	6													
						4.0	0.1	225	<u>29.2</u>		8.0	8.0	<u>28.3</u>	28.3	<u>84.0</u>	83.9	5.5	5.5	4.3	6													
					SR3	Fine	Moderate	08:07	9.2	Surface	1.0	0.4	332	<u>29.2</u>	29.2	7.9	7.9	<u>25.2</u>	25.2	<u>81.6</u>	81.6	5.4	5.4	4.8		7.9	6				6	822147	807568
											1.0	0.4	330	<u>29.2</u>		7.9	7.9	<u>25.2</u>	25.2	<u>81.6</u>	81.6	5.4		4.8									
Middle	4.6	0.4	336	<u>29.0</u>						29.0	7.9	7.9	<u>25.6</u>	25.6	<u>81.2</u>	81.4	5.4	5.4	7.5	6													
	4.6	0.5	328	<u>29.0</u>							7.9	7.9	<u>25.6</u>	25.6	<u>81.5</u>	81.4	5.4	5.4	7.6	6													
Bottom	8.2	0.4	326	<u>29.0</u>						29.0	7.9	7.9	<u>26.0</u>	26.0	<u>85.1</u>	85.3	5.7	5.7	11.4	5													
	8.2	0.4	330	<u>29.0</u>							7.9	7.9	<u>26.0</u>	26.0	<u>85.4</u>	85.3	5.7	5.7	11.3	4													
SR4A	Fine	Moderate	06:21	8.5						Surface	1.0	0.0	222	<u>29.0</u>	29.0	7.9	7.9	<u>27.0</u>	27.0	<u>86.4</u>	86.4	5.7	5.7	7.0	8.8		4	4	817169	807830			
											1.0	0.0	227	<u>29.0</u>		7.9	7.9	<u>27.0</u>	27.0	<u>86.4</u>	86.4	5.7		7.1									
					Middle	4.3	0.0	203	<u>29.0</u>	29.0	7.9	7.9	<u>27.1</u>	27.1	<u>86.3</u>	86.4	5.7	5.7	8.2	4													
						4.3	0.0	200	<u>29.0</u>		7.9	7.9	<u>27.1</u>	27.1	<u>86.4</u>	86.4	5.7	5.7	8.1	4													
					Bottom	7.5	0.0	235	<u>29.0</u>	29.0	7.9	7.9	<u>27.2</u>	27.2	<u>86.9</u>	87.0	5.8	5.8	11.1	5													
						7.5	0.0	236	<u>29.0</u>		7.9	7.9	<u>27.2</u>	27.2	<u>87.0</u>	87.0	5.8	5.8	11.0	4													
					SR8	Sunny	Moderate	08:36	4.0	Surface	1.0	-	-	<u>29.2</u>	29.2	8.0	8.0	<u>27.8</u>	27.9	<u>83.0</u>	83.1	5.5	5.5	6.2		6.6	5				5	820402	811603
											1.0	-	-	<u>29.2</u>		8.0	8.0	<u>27.9</u>	27.9	<u>83.1</u>	83.1	5.5		6.2									
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-									
Bottom	3.0	-	-	<u>29.2</u>						29.2	8.0	8.0	<u>28.0</u>	28.0	<u>83.7</u>	83.9	5.5	5.5	7.0	6													
	3.0	-	-	<u>29.2</u>							8.0	8.0	<u>28.0</u>	28.0	<u>84.0</u>	84.0	5.5	5.5	7.0	5													

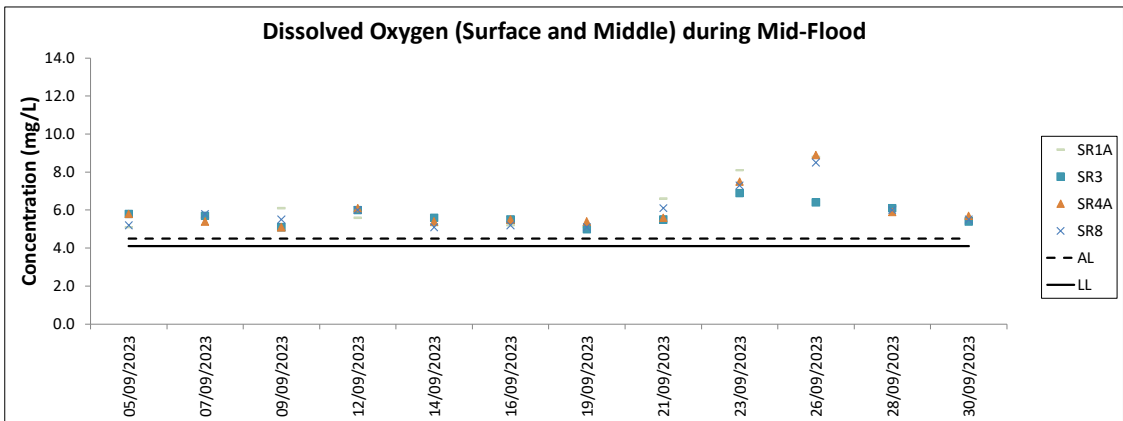
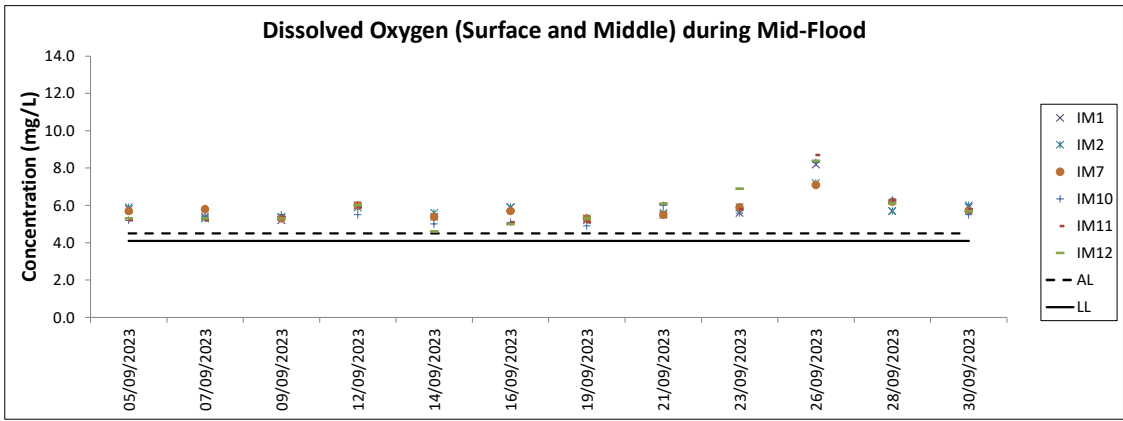
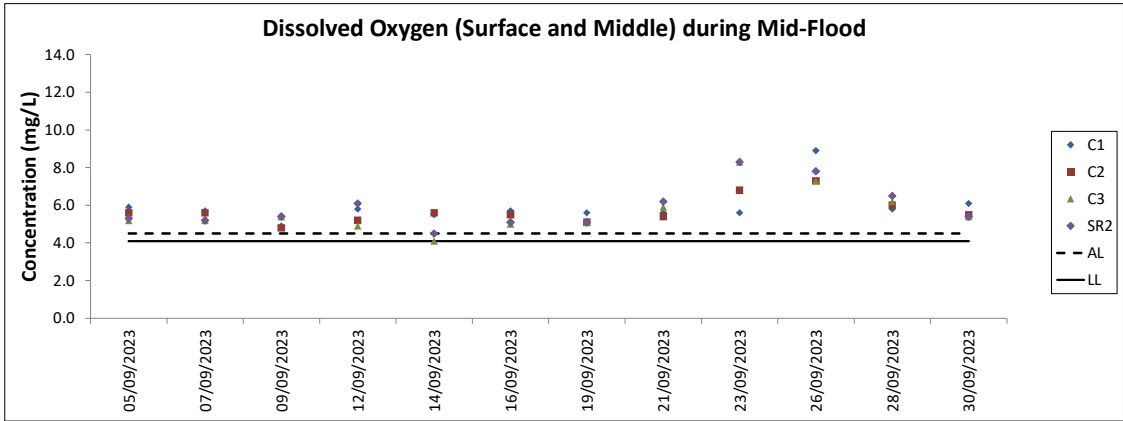
DA: Depth-Averaged

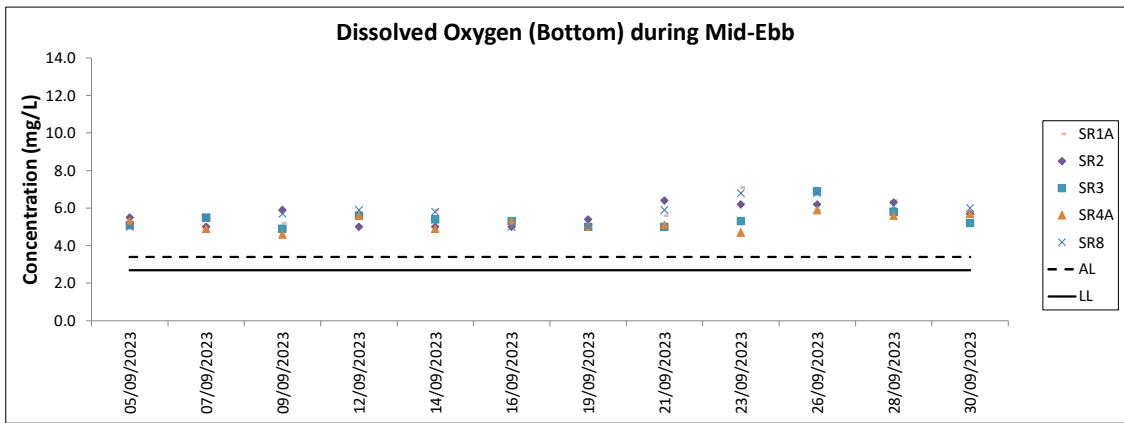
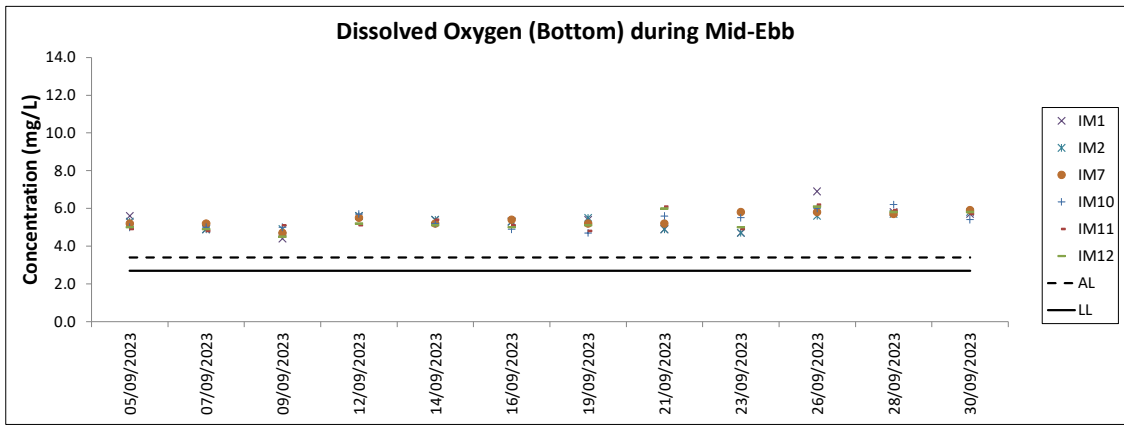
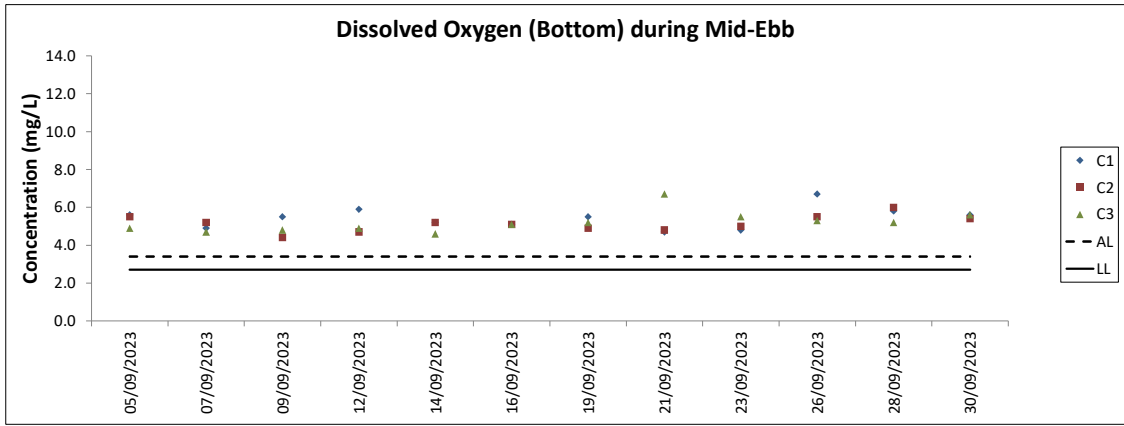
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

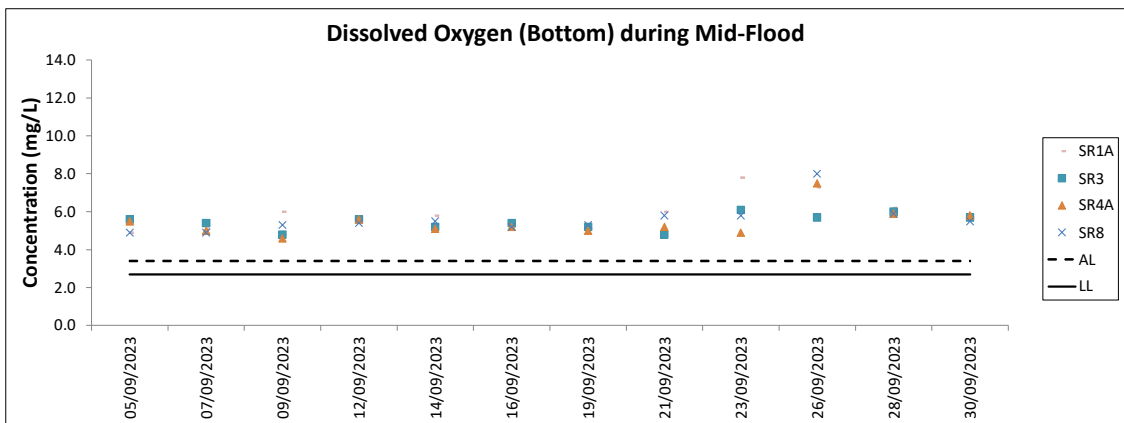
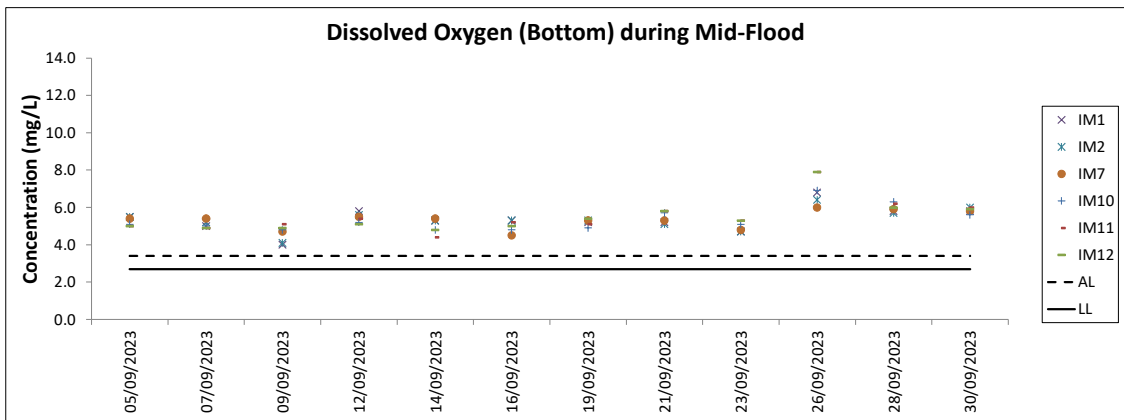
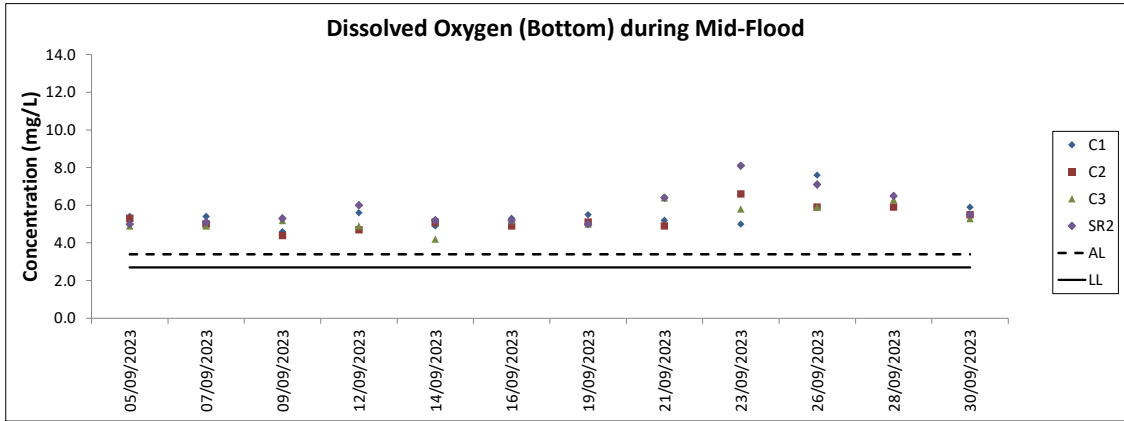
Value exceeding Action Level is underlined; **Value exceeding Limit Level** is bolded and underlined

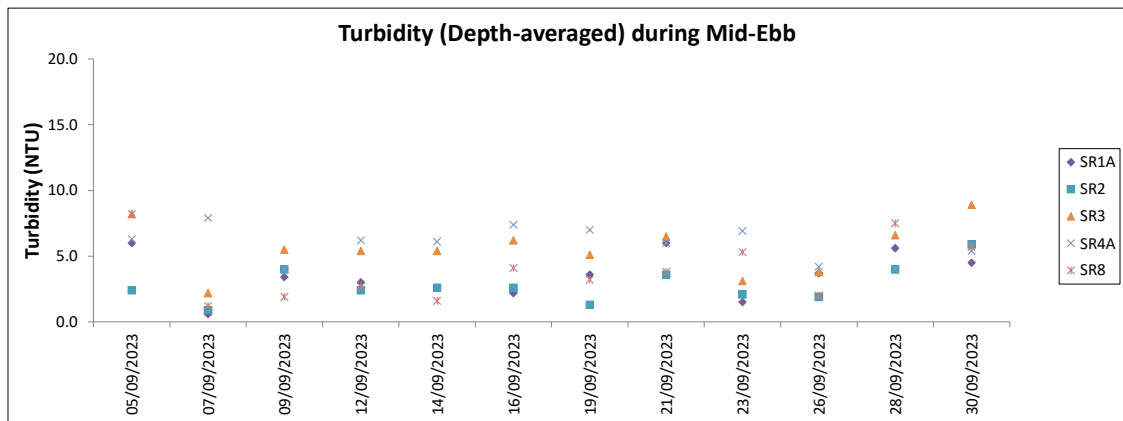
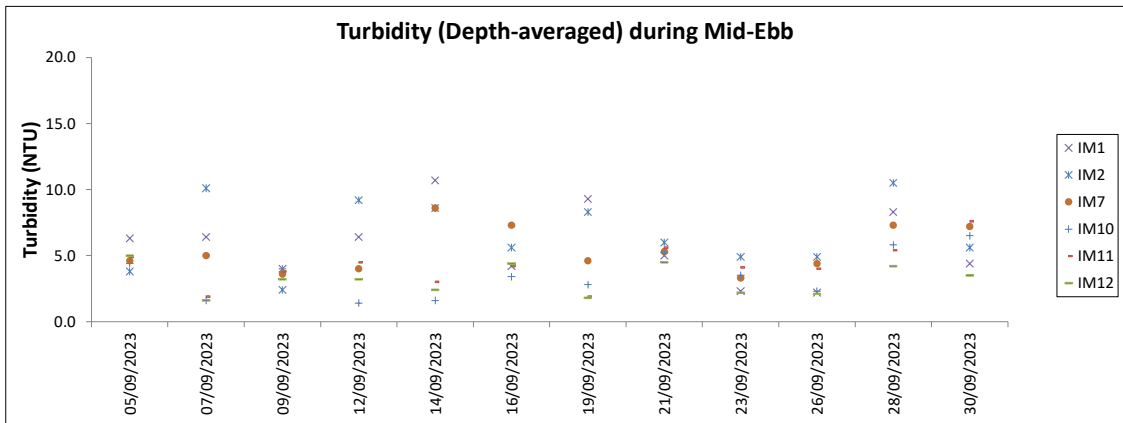
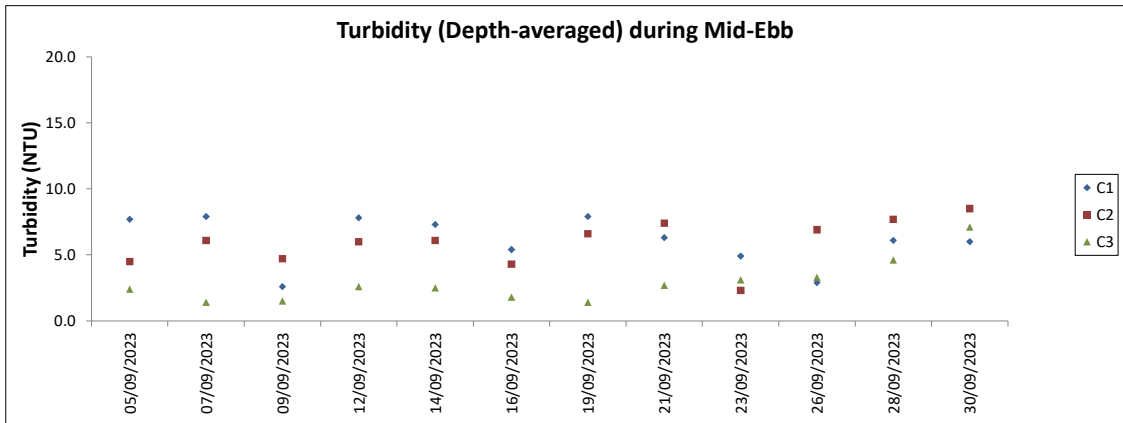




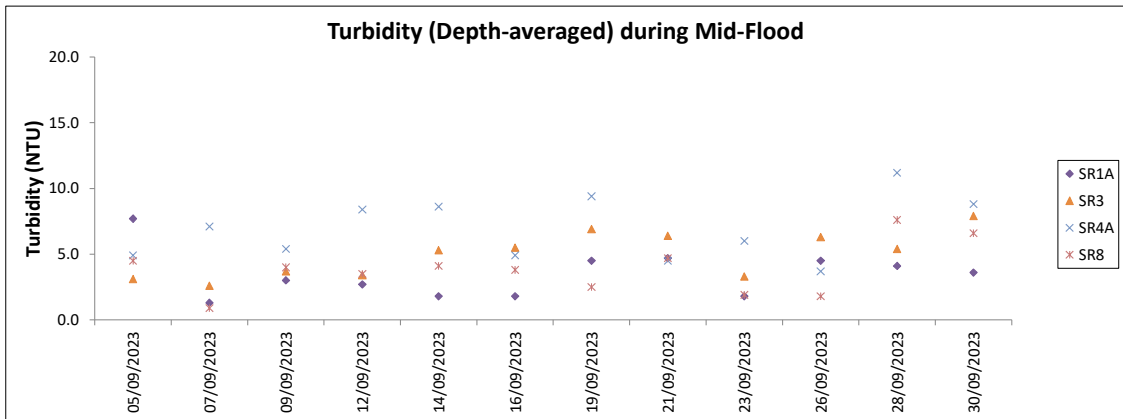
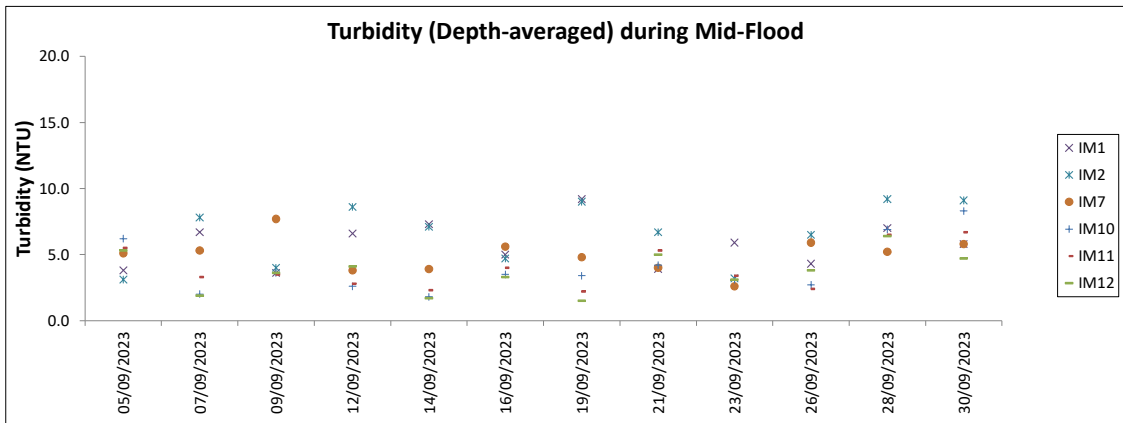
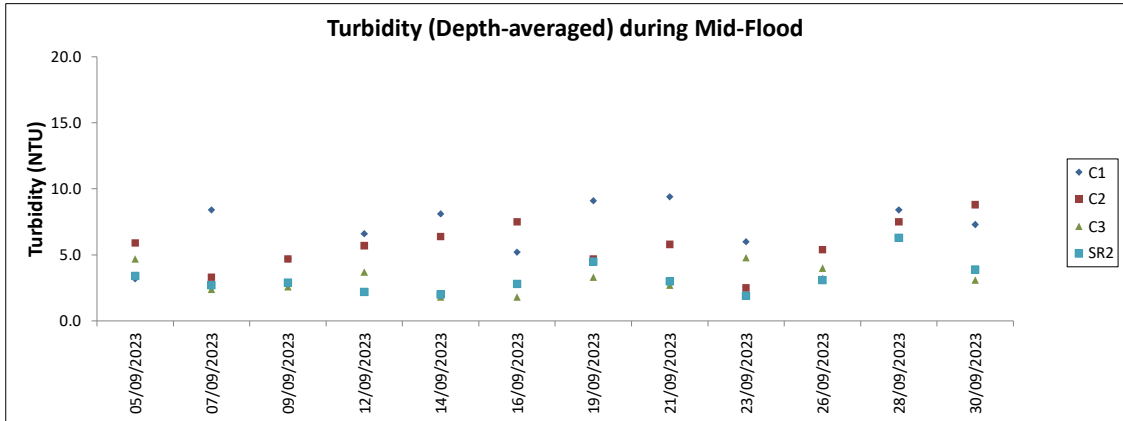




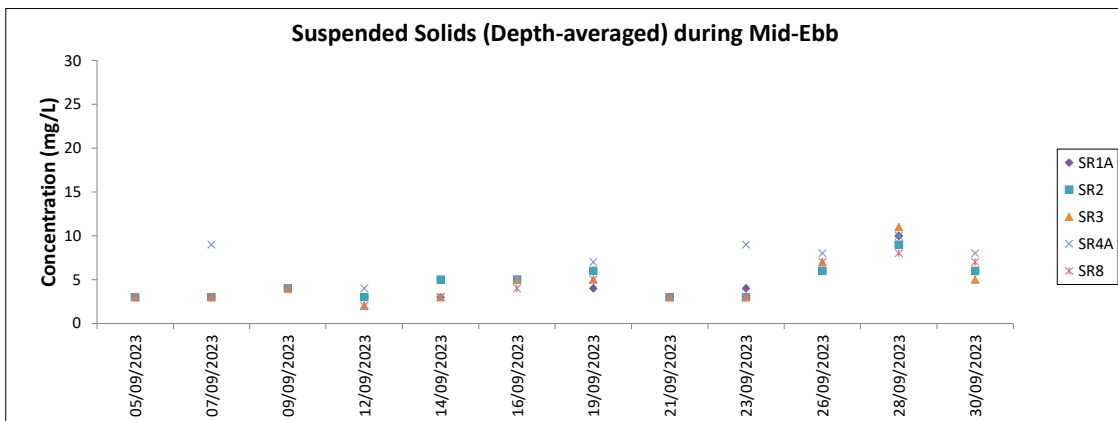
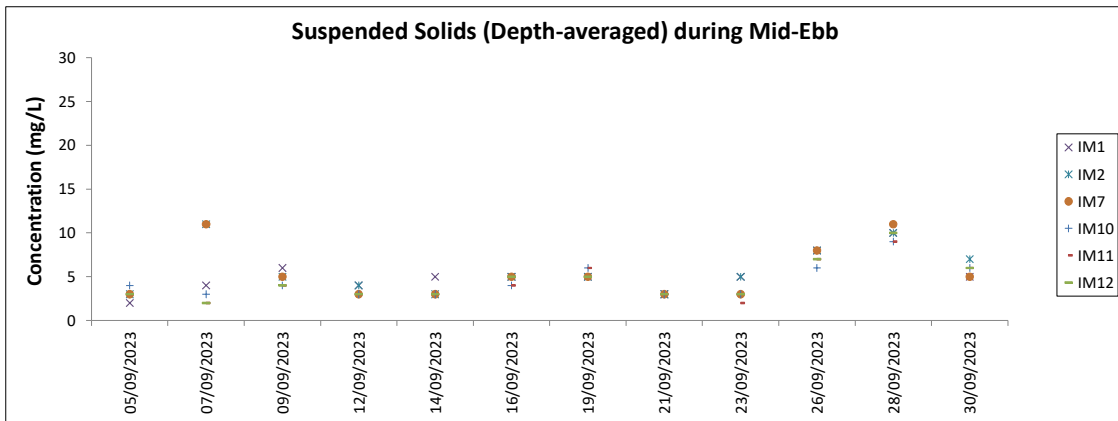
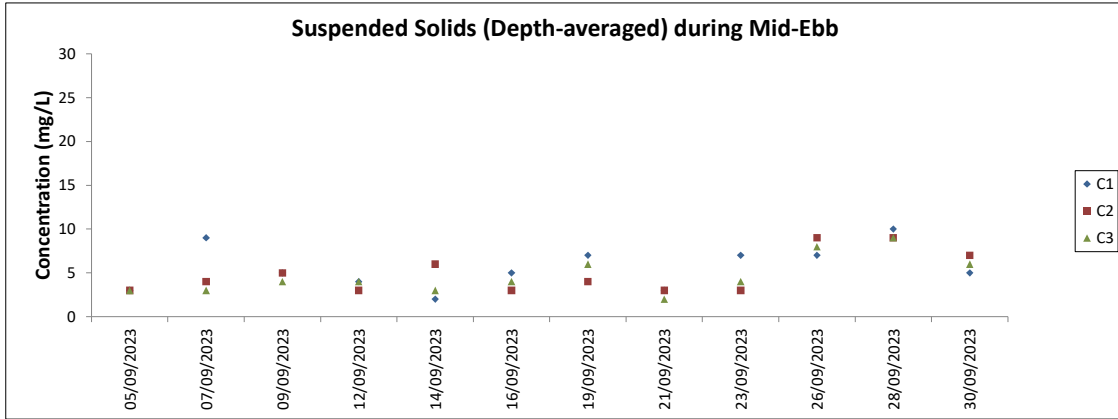




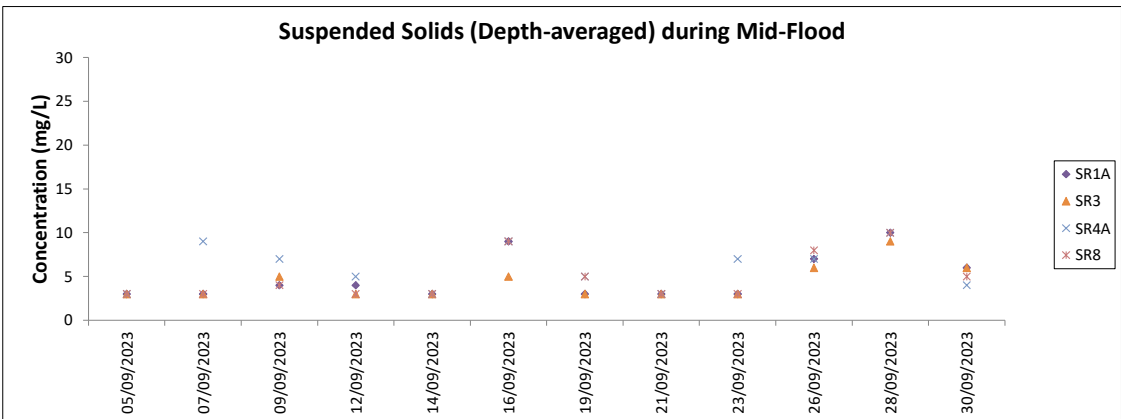
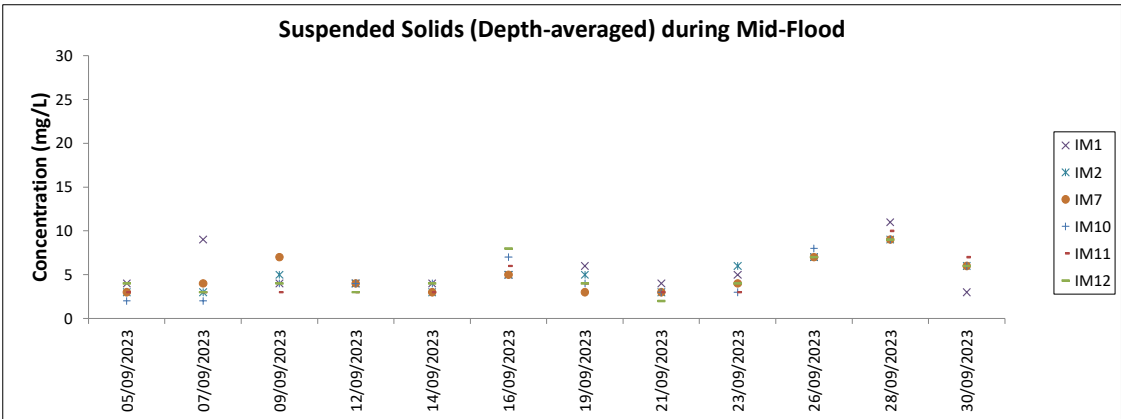
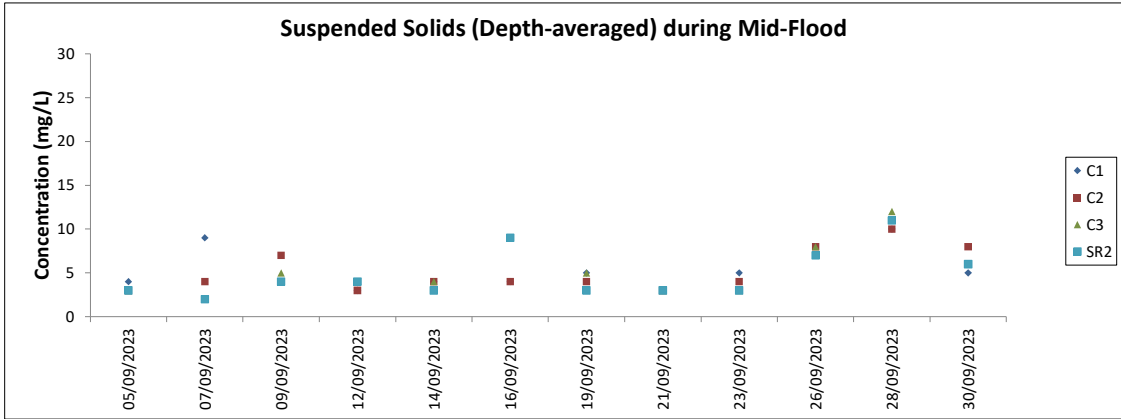
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
4-Jul-23	NEL	2	34.860	SUMMER	32166	3RS ET	P
4-Jul-23	NEL	3	2.000	SUMMER	32166	3RS ET	P
4-Jul-23	NEL	2	10.040	SUMMER	32166	3RS ET	S
6-Jul-23	NWL	2	15.200	SUMMER	32166	3RS ET	P
6-Jul-23	NWL	3	48.600	SUMMER	32166	3RS ET	P
6-Jul-23	NWL	3	11.700	SUMMER	32166	3RS ET	S
7-Jul-23	AW	3	4.720	SUMMER	32166	3RS ET	P
7-Jul-23	WL	3	18.416	SUMMER	32166	3RS ET	P
7-Jul-23	WL	3	9.974	SUMMER	32166	3RS ET	S
7-Jul-23	WL	4	1.030	SUMMER	32166	3RS ET	S
10-Jul-23	NEL	2	10.000	SUMMER	32166	3RS ET	P
10-Jul-23	NEL	3	26.250	SUMMER	32166	3RS ET	P
10-Jul-23	NEL	2	3.950	SUMMER	32166	3RS ET	S
10-Jul-23	NEL	3	6.700	SUMMER	32166	3RS ET	S
11-Jul-23	WL	2	0.914	SUMMER	32166	3RS ET	P
11-Jul-23	WL	3	16.632	SUMMER	32166	3RS ET	P
11-Jul-23	WL	3	9.308	SUMMER	32166	3RS ET	S
11-Jul-23	AW	3	4.730	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	2	42.491	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	3	12.177	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	2	12.122	SUMMER	32166	3RS ET	S
12-Jul-23	SWL	3	3.070	SUMMER	32166	3RS ET	S
13-Jul-23	SWL	2	31.460	SUMMER	32166	3RS ET	P
13-Jul-23	SWL	3	21.490	SUMMER	32166	3RS ET	P
13-Jul-23	SWL	2	12.180	SUMMER	32166	3RS ET	S
13-Jul-23	SWL	3	4.500	SUMMER	32166	3RS ET	S
14-Jul-23	NWL	2	63.800	SUMMER	32166	3RS ET	P
14-Jul-23	NWL	2	11.700	SUMMER	32166	3RS ET	S
02-Aug-23	SWL	2	35.924	SUMMER	32166	3RS ET	P
02-Aug-23	SWL	3	14.605	SUMMER	32166	3RS ET	P
02-Aug-23	SWL	2	13.071	SUMMER	32166	3RS ET	S
02-Aug-23	SWL	3	2.370	SUMMER	32166	3RS ET	S
03-Aug-23	SWL	2	50.260	SUMMER	32166	3RS ET	P
03-Aug-23	SWL	3	3.500	SUMMER	32166	3RS ET	P
03-Aug-23	SWL	2	14.140	SUMMER	32166	3RS ET	S
03-Aug-23	SWL	3	1.100	SUMMER	32166	3RS ET	S
08-Aug-23	AW	2	4.770	SUMMER	32166	3RS ET	P
08-Aug-23	WL	2	5.650	SUMMER	32166	3RS ET	P
08-Aug-23	WL	3	13.958	SUMMER	32166	3RS ET	P
08-Aug-23	WL	2	3.236	SUMMER	32166	3RS ET	S
08-Aug-23	WL	3	6.443	SUMMER	32166	3RS ET	S
09-Aug-23	NWL	1	3.200	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	2	58.200	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	3	2.100	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	1	12.2	SUMMER	32166	3RS ET	S
16-Aug-23	NEL	2	19.31	SUMMER	32166	3RS ET	P
16-Aug-23	NEL	3	17.6	SUMMER	32166	3RS ET	P
16-Aug-23	NEL	2	8.19	SUMMER	32166	3RS ET	S
16-Aug-23	NEL	3	1.8	SUMMER	32166	3RS ET	S
17-Aug-23	NEL	2	37.41	SUMMER	32166	3RS ET	P
17-Aug-23	NEL	2	9.99	SUMMER	32166	3RS ET	S
22-Aug-23	NWL	2	63.5	SUMMER	32166	3RS ET	P
22-Aug-23	NWL	2	12.2	SUMMER	32166	3RS ET	S
24-Aug-23	AW	2	4.8	SUMMER	32166	3RS ET	P
24-Aug-23	WL	2	13.49	SUMMER	32166	3RS ET	P
24-Aug-23	WL	3	6.15	SUMMER	32166	3RS ET	P
24-Aug-23	WL	2	6.47	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
24-Aug-23	WL	3	3.42	SUMMER	32166	3RS ET	S
06-Sep-23	NEL	1	2.34	AUTUMN	32166	3RS ET	P
06-Sep-23	NEL	2	34.54	AUTUMN	32166	3RS ET	P
06-Sep-23	NEL	1	0.67	AUTUMN	32166	3RS ET	S
06-Sep-23	NEL	2	9.25	AUTUMN	32166	3RS ET	S
13-Sep-23	SWL	3	55.03	AUTUMN	32166	3RS ET	P
13-Sep-23	SWL	3	14.57	AUTUMN	32166	3RS ET	S
15-Sep-23	NEL	2	13.6	AUTUMN	32166	3RS ET	P
15-Sep-23	NEL	3	23.82	AUTUMN	32166	3RS ET	P
15-Sep-23	NEL	2	5.98	AUTUMN	32166	3RS ET	S
15-Sep-23	NEL	3	4.2	AUTUMN	32166	3RS ET	S
18-Sep-23	SWL	2	17.1	AUTUMN	32166	3RS ET	P
18-Sep-23	SWL	3	36.7	AUTUMN	32166	3RS ET	P
18-Sep-23	SWL	2	2.74	AUTUMN	32166	3RS ET	S
18-Sep-23	SWL	3	13	AUTUMN	32166	3RS ET	S
20-Sep-23	WL	1	9.19	AUTUMN	32166	3RS ET	P
20-Sep-23	WL	2	7.4	AUTUMN	32166	3RS ET	P
20-Sep-23	WL	3	1.904	AUTUMN	32166	3RS ET	P
20-Sep-23	WL	1	4.95	AUTUMN	32166	3RS ET	S
20-Sep-23	WL	2	4.11	AUTUMN	32166	3RS ET	S
20-Sep-23	WL	3	2.186	AUTUMN	32166	3RS ET	S
20-Sep-23	AW	1	4.63	AUTUMN	32166	3RS ET	P
21-Sep-23	AW	2	4.56	AUTUMN	32166	3RS ET	P
21-Sep-23	WL	1	3.93	AUTUMN	32166	3RS ET	P
21-Sep-23	WL	2	12.869	AUTUMN	32166	3RS ET	P
21-Sep-23	WL	2	11.546	AUTUMN	32166	3RS ET	S
22-Sep-23	NWL	2	63.9	AUTUMN	32166	3RS ET	P
22-Sep-23	NWL	2	12	AUTUMN	32166	3RS ET	S
25-Sep-23	NWL	2	1.62	AUTUMN	32166	3RS ET	P
25-Sep-23	NWL	3	43.48	AUTUMN	32166	3RS ET	P
25-Sep-23	NWL	4	18.2	AUTUMN	32166	3RS ET	P
25-Sep-23	NWL	3	8.9	AUTUMN	32166	3RS ET	S
25-Sep-23	NWL	4	3.2	AUTUMN	32166	3RS ET	S

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
7-Jul-23	1	1101	CWD	1	WL	3	268	ON	3RS ET	22.2415	113.8368	SUMMER	NONE	P
7-Jul-23	2	1200	CWD	1	WL	3	91	ON	3RS ET	22.1961	113.8325	SUMMER	NONE	P
7-Jul-23	3	1215	CWD	15	WL	3	134	ON	3RS ET	22.1875	113.8401	SUMMER	NONE	P
11-Jul-23	1	1056	CWD	3	WL	3	275	ON	3RS ET	22.2416	113.8358	SUMMER	NONE	P
11-Jul-23	2	1133	CWD	4	WL	3	35	ON	3RS ET	22.2230	113.8247	SUMMER	NONE	P
11-Jul-23	3	1142	CWD	5	WL	3	6	ON	3RS ET	22.2160	113.8198	SUMMER	NONE	S
11-Jul-23	4	1214	CWD	3	WL	3	390	ON	3RS ET	22.2052	113.8313	SUMMER	NONE	P
11-Jul-23	5	1219	CWD	3	WL	3	170	ON	3RS ET	22.1975	113.8277	SUMMER	NONE	S
11-Jul-23	6	1248	CWD	1	WL	3	26	ON	3RS ET	22.1962	113.8345	SUMMER	NONE	P
11-Jul-23	7	1307	CWD	2	WL	3	339	ON	3RS ET	22.1881	113.8414	SUMMER	NONE	S
12-Jul-23	1	1047	FP	3	SWL	2	46	ON	3RS ET	22.1590	113.9357	SUMMER	NONE	P
12-Jul-23	2	1123	FP	2	SWL	2	39	ON	3RS ET	22.2022	113.9274	SUMMER	NONE	P
12-Jul-23	3	1145	FP	1	SWL	2	211	ON	3RS ET	22.1711	113.9188	SUMMER	NONE	P
12-Jul-23	4	1350	CWD	1	SWL	2	145	ON	3RS ET	22.1895	113.8769	SUMMER	NONE	P
13-Jul-23	1	1054	FP	1	SWL	2	34	ON	3RS ET	22.1510	113.9363	SUMMER	NONE	P
13-Jul-23	2	1227	CWD	1	SWL	2	61	ON	3RS ET	22.1894	113.9070	SUMMER	NONE	S
02-Aug-23	1	1023	CWD	1	SWL	2	477	ON	3RS ET	22.2085	113.9362	SUMMER	NONE	P
02-Aug-23	2	1202	FP	11	SWL	2	94	ON	3RS ET	22.1441	113.9176	SUMMER	NONE	P
02-Aug-23	3	1346	CWD	1	SWL	3	102	ON	3RS ET	22.2000	113.8881	SUMMER	NONE	P
02-Aug-23	4	1416	CWD	4	SWL	3	171	ON	3RS ET	22.1882	113.8786	SUMMER	NONE	P
02-Aug-23	5	1444	CWD	1	SWL	3	247	ON	3RS ET	22.1624	113.8689	SUMMER	NONE	P
02-Aug-23	6	1458	CWD	8	SWL	3	523	ON	3RS ET	22.1687	113.8688	SUMMER	NONE	P
02-Aug-23	7	1529	CWD	1	SWL	2	294	ON	3RS ET	22.1982	113.8684	SUMMER	PURSE SEINER	P
02-Aug-23	8	1549	CWD	3	SWL	2	225	ON	3RS ET	22.1934	113.8587	SUMMER	NONE	P
02-Aug-23	9	1605	CWD	2	SWL	2	202	ON	3RS ET	22.1849	113.8591	SUMMER	NONE	P
02-Aug-23	10	1630	CWD	8	SWL	2	272	ON	3RS ET	22.1906	113.8495	SUMMER	NONE	P
03-Aug-23	1	1152	FP	2	SWL	2	157	ON	3RS ET	22.1564	113.9173	SUMMER	NONE	P
03-Aug-23	2	1310	FP	3	SWL	2	208	ON	3RS ET	22.1495	113.8940	SUMMER	NONE	S
03-Aug-23	3	1352	CWD	4	SWL	2	346	ON	3RS ET	22.1949	113.8785	SUMMER	NONE	P
03-Aug-23	4	1523	CWD	5	SWL	3	343	ON	3RS ET	22.1889	113.8508	SUMMER	PURSE SEINER	P
08-Aug-23	1	1111	CWD	1	WL	2	108	ON	3RS ET	22.2234	113.8301	SUMMER	NONE	P
08-Aug-23	2	1131	CWD	2	WL	3	53	ON	3RS ET	22.2147	113.8289	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
08-Aug-23	3	1155	CWD	3	WL	2	473	ON	3RS ET	22.2055	113.8243	SUMMER	NONE	P
08-Aug-23	4	1213	CWD	3	WL	2	15	ON	3RS ET	22.2017	113.8238	SUMMER	NONE	S
08-Aug-23	5	1226	CWD	4	WL	3	23	ON	3RS ET	22.1974	113.8269	SUMMER	NONE	S
08-Aug-23	6	1256	CWD	6	WL	3	537	ON	3RS ET	22.1876	113.8326	SUMMER	NONE	P
24-Aug-23	1	1118	CWD	2	WL	3	108	ON	3RS ET	22.2176	113.8196	SUMMER	NONE	S
24-Aug-23	2	1147	CWD	2	WL	3	204	ON	3RS ET	22.2056	113.8286	SUMMER	NONE	P
13-Sep-23	1	1227	CWD	6	SWL	3	19	ON	3RS ET	22.188770	113.90627	AUTUMN	NONE	P
18-Sep-23	1	1029	FP	2	SWL	2	365	ON	3RS ET	22.197349	113.93566	AUTUMN	NONE	P
18-Sep-23	2	1037	FP	3	SWL	2	55	ON	3RS ET	22.184478	113.93564	AUTUMN	NONE	P
18-Sep-23	3	1053	FP	6	SWL	2	198	ON	3RS ET	22.153702	113.93678	AUTUMN	NONE	P
20-Sep-23	1	1030	CWD	2	WL	1	234	ON	3RS ET	22.261023	113.85093	AUTUMN	NONE	P
20-Sep-23	2	1042	CWD	2	WL	1	265	ON	3RS ET	22.260349	113.84229	AUTUMN	NONE	P
20-Sep-23	3	1112	CWD	1	WL	1	290	ON	3RS ET	22.241103	113.84425	AUTUMN	NONE	P
20-Sep-23	4	1124	CWD	1	WL	1	236	ON	3RS ET	22.241593	113.83484	AUTUMN	NONE	P
21-Sep-23	1	1034	CWD	3	WL	2	138	ON	3RS ET	22.261205	113.84683	AUTUMN	NONE	P
21-Sep-23	2	1122	CWD	3	WL	2	297	ON	3RS ET	22.223088	113.83525	AUTUMN	NONE	P
21-Sep-23	3	1156	CWD	6	WL	2	77	ON	3RS ET	22.214777	113.82498	AUTUMN	NONE	P
21-Sep-23	4	1223	CWD	1	WL	2	163	ON	3RS ET	22.206057	113.82903	AUTUMN	NONE	P
21-Sep-23	5	1231	CWD	2	WL	2	41	ON	3RS ET	22.205669	113.82487	AUTUMN	NONE	P
21-Sep-23	6	1247	CWD	1	WL	2	22	ON	3RS ET	22.196451	113.83561	AUTUMN	NONE	P
21-Sep-23	7	1254	CWD	3	WL	2	913	ON	3RS ET	22.193651	113.84263	AUTUMN	NONE	S
21-Sep-23	8	1319	CWD	1	WL	2	634	ON	3RS ET	22.187905	113.83346	AUTUMN	NONE	P

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 430.72 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 13 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 2023 are shown as below:

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

$$STG = \frac{13}{430.72} \times 100 = 3.02$$

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

$$ANI = \frac{32}{430.72} \times 100 = 7.43$$

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

A total of 1328.76 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 44 on-effort sightings and total number of 133 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)






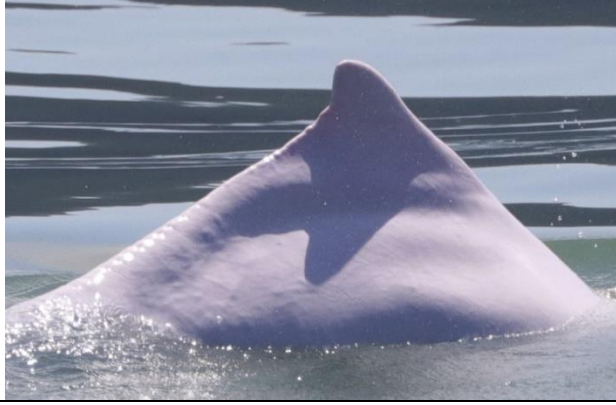


$$STG = \frac{44}{1328.76} \times 100 = 3.31$$

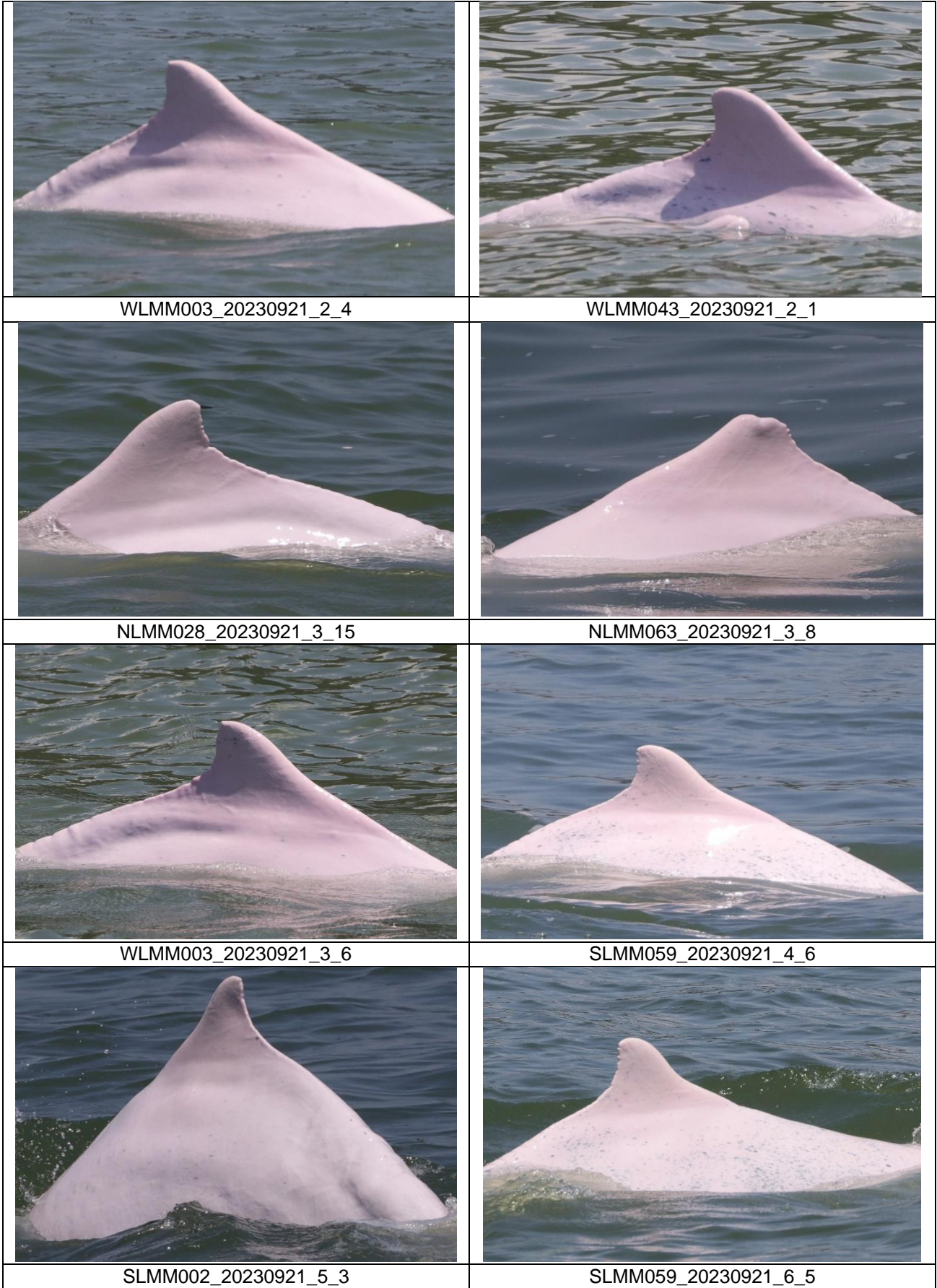
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{133}{1328.76} \times 100 = 10.01$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM016_20230913_1_8	SLMM049_20230913_1_3
	
SLMM060_20230913_1_5	WLMM056_20230913_1_3
	
WLMM043_20230920_1_2	NLMM058_20230920_2_3
	
WLMM191_20230920_2_4	NLMM001_20230921_2_11







SLMM044\_20230921\_7\_5



SLMM049\_20230921\_7\_2

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

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
21/Sep/23	Lung Kwu Chau	8:59	14:59	6:00	1	1	0	0
26/Sep/23	Sha Chau	10:53	16:53	6:00	2-3	1	0	0

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