

## **Appendix C. Monitoring Results**

## **Air Quality Monitoring Results**

**1-hour TSP Results**

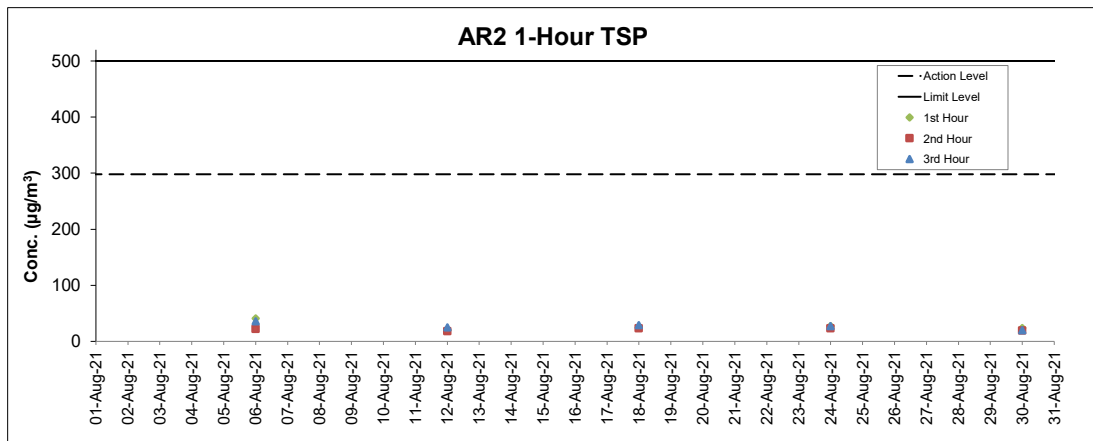
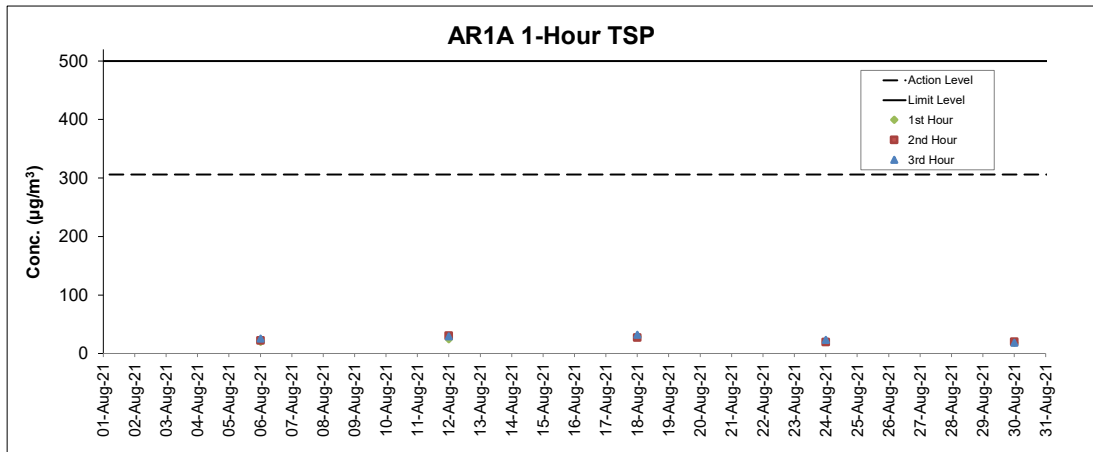
**Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
06-Aug-21	13:21	Cloudy	6.9	227	20	306	500
06-Aug-21	14:21	Cloudy	5.8	225	22	306	500
06-Aug-21	15:21	Cloudy	5.3	226	25	306	500
12-Aug-21	13:36	Cloudy	6.4	143	24	306	500
12-Aug-21	14:36	Cloudy	7.5	148	30	306	500
12-Aug-21	15:36	Cloudy	2.5	Variable	29	306	500
18-Aug-21	13:14	Cloudy	6.1	240	29	306	500
18-Aug-21	14:14	Cloudy	6.9	230	27	306	500
18-Aug-21	15:14	Cloudy	4.7	233	32	306	500
24-Aug-21	13:17	Cloudy	6.1	241	20	306	500
24-Aug-21	14:17	Cloudy	5.3	231	19	306	500
24-Aug-21	15:17	Cloudy	7.2	230	23	306	500
30-Aug-21	13:35	Cloudy	5.0	140	18	306	500
30-Aug-21	14:35	Cloudy	8.1	153	20	306	500
30-Aug-21	15:35	Cloudy	7.8	96	18	306	500

**1-hour TSP Results**

**Station: AR2- Village House, Tin Sum**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
06-Aug-21	13:05	Cloudy	7.8	226	41	298	500
06-Aug-21	14:05	Cloudy	5.8	227	22	298	500
06-Aug-21	15:05	Cloudy	5.6	229	36	298	500
12-Aug-21	9:24	Cloudy	2.5	33	20	298	500
12-Aug-21	10:24	Cloudy	1.9	66	18	298	500
12-Aug-21	11:24	Cloudy	3.1	38	25	298	500
18-Aug-21	9:19	Cloudy	3.9	238	25	298	500
18-Aug-21	10:19	Cloudy	4.2	246	23	298	500
18-Aug-21	11:19	Cloudy	3.9	267	29	298	500
24-Aug-21	14:00	Sunny	5.6	213	27	298	500
24-Aug-21	15:00	Sunny	4.7	238	23	298	500
24-Aug-21	16:00	Sunny	3.6	193	27	298	500
30-Aug-21	14:00	Cloudy	5.3	115	24	298	500
30-Aug-21	15:00	Cloudy	6.1	141	19	298	500
30-Aug-21	16:00	Cloudy	7.8	102	20	298	500



**Notes**

- 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.

## **Noise Monitoring Results**

**Noise Measurement Results**

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

Date	Weather	Time	Measured		L <sub>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
06-Aug-21	Cloudy	13:23	61.7	52.0	67
06-Aug-21	Cloudy	13:28	62.8	49.5	
06-Aug-21	Cloudy	13:33	67.7	58.6	
06-Aug-21	Cloudy	13:38	64.6	54.9	
06-Aug-21	Cloudy	13:43	67.1	58.3	
06-Aug-21	Cloudy	13:48	71.6	57.4	
12-Aug-21	Cloudy	13:33	64.9	54.5	64
12-Aug-21	Cloudy	13:38	65.0	54.3	
12-Aug-21	Cloudy	13:43	65.1	54.3	
12-Aug-21	Cloudy	13:48	63.9	50.1	
12-Aug-21	Cloudy	13:53	61.8	49.0	
12-Aug-21	Cloudy	13:58	65.0	55.5	
18-Aug-21	Cloudy	13:53	70.9	57.3	69
18-Aug-21	Cloudy	13:58	70.6	57.0	
18-Aug-21	Cloudy	14:03	70.2	56.9	
18-Aug-21	Cloudy	14:08	70.4	57.2	
18-Aug-21	Cloudy	14:13	70.6	57.1	
18-Aug-21	Cloudy	14:18	68.7	53.3	
24-Aug-21	Cloudy	14:37	66.4	59.1	67
24-Aug-21	Cloudy	14:42	64.5	55.7	
24-Aug-21	Cloudy	14:47	65.1	57.8	
24-Aug-21	Cloudy	14:52	69.9	57.7	
24-Aug-21	Cloudy	14:57	69.1	57.8	
24-Aug-21	Cloudy	15:02	64.7	56.4	
30-Aug-21	Cloudy	13:43	69.5	63.3	68
30-Aug-21	Cloudy	13:48	70.7	62.8	
30-Aug-21	Cloudy	13:53	62.9	57.8	
30-Aug-21	Cloudy	13:58	63.3	58.2	
30-Aug-21	Cloudy	14:03	63.7	58.7	
30-Aug-21	Cloudy	14:08	62.7	57.6	

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>eq(30mins)</sub> dB(A) ^
			L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	
05-Aug-21	Cloudy	13:45	57.4	53.8	59
05-Aug-21	Cloudy	13:50	57.8	53.8	
05-Aug-21	Cloudy	13:55	56.8	53.5	
05-Aug-21	Cloudy	14:00	56.9	53.1	
05-Aug-21	Cloudy	14:05	58.3	54.0	
05-Aug-21	Cloudy	14:10	58.2	53.4	
11-Aug-21	Cloudy	12:54	60.2	54.3	63
11-Aug-21	Cloudy	12:59	64.5	55.3	
11-Aug-21	Cloudy	13:04	64.0	58.2	
11-Aug-21	Cloudy	13:09	63.0	55.7	
11-Aug-21	Cloudy	13:14	62.4	56.1	
11-Aug-21	Cloudy	13:19	63.4	56.2	
17-Aug-21	Cloudy	13:04	64.5	56.1	63
17-Aug-21	Cloudy	13:09	60.3	55.8	
17-Aug-21	Cloudy	13:14	61.4	57.2	
17-Aug-21	Cloudy	13:19	59.3	55.4	
17-Aug-21	Cloudy	13:24	61.2	56.3	
17-Aug-21	Cloudy	13:29	62.0	57.9	
23-Aug-21	Cloudy	13:23	62.1	56.4	63
23-Aug-21	Cloudy	13:28	62.6	57.9	
23-Aug-21	Cloudy	13:33	63.2	57.0	
23-Aug-21	Cloudy	13:38	62.6	57.6	
23-Aug-21	Cloudy	13:43	62.7	56.0	
23-Aug-21	Cloudy	13:48	64.3	56.1	
31-Aug-21	Cloudy	13:17	59.4	55.5	61
31-Aug-21	Cloudy	13:22	58.9	55.5	
31-Aug-21	Cloudy	13:27	59.9	55.9	
31-Aug-21	Cloudy	13:32	59.2	55.3	
31-Aug-21	Cloudy	13:37	58.9	55.8	
31-Aug-21	Cloudy	13:42	60.1	56.2	

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>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
06-Aug-21	Cloudy	12:56	53.8	48.8	55
06-Aug-21	Cloudy	13:01	52.1	49.4	
06-Aug-21	Cloudy	13:06	52.2	49.8	
06-Aug-21	Cloudy	13:11	52.1	49.3	
06-Aug-21	Cloudy	13:16	52.5	49.5	
06-Aug-21	Cloudy	13:21	55.7	50.9	
12-Aug-21	Cloudy	09:30	53.3	49.2	57
12-Aug-21	Cloudy	09:35	52.3	49.3	
12-Aug-21	Cloudy	09:40	52.2	49.4	
12-Aug-21	Cloudy	09:45	55.2	49.2	
12-Aug-21	Cloudy	09:50	52.7	48.7	
12-Aug-21	Cloudy	09:55	50.5	48.8	
18-Aug-21	Cloudy	09:23	59.0	46.3	53*
18-Aug-21	Cloudy	09:28	55.7	46.0	
18-Aug-21	Cloudy	09:33	58.7	45.9	
18-Aug-21	Cloudy	09:38	61.0	52.3	
18-Aug-21	Cloudy	09:43	60.2	48.6	
18-Aug-21	Cloudy	09:48	61.4	47.6	
24-Aug-21	Sunny	14:00	52.7	50.4	55
24-Aug-21	Sunny	14:05	52.4	50.2	
24-Aug-21	Sunny	14:10	52.1	49.6	
24-Aug-21	Sunny	14:15	53.5	50.4	
24-Aug-21	Sunny	14:20	52.5	49.0	
24-Aug-21	Sunny	14:25	51.6	48.0	
30-Aug-21	Cloudy	14:13	48.1	47.1	57
30-Aug-21	Cloudy	14:18	56.4	47.5	
30-Aug-21	Cloudy	14:23	54.6	45.7	
30-Aug-21	Cloudy	14:28	53.1	49.6	
30-Aug-21	Cloudy	14:33	51.5	50.5	
30-Aug-21	Cloudy	14:38	51.7	50.6	

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.

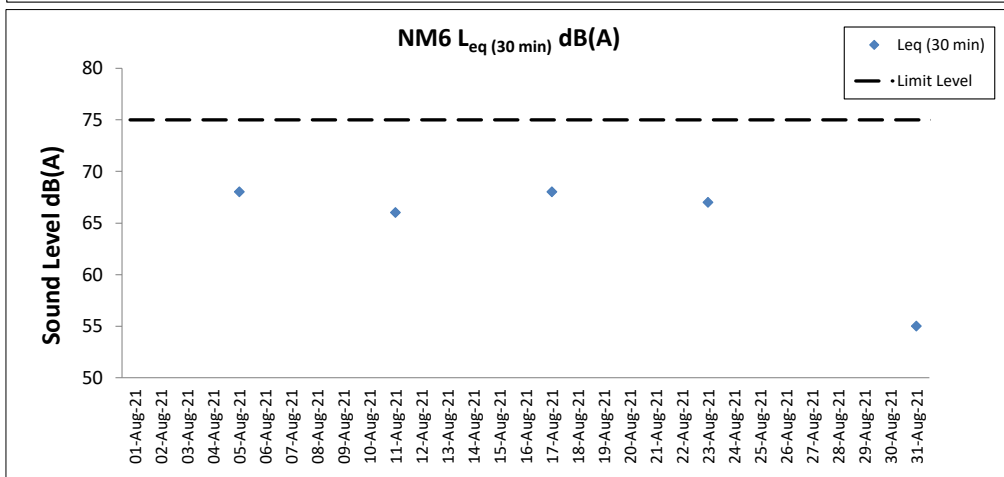
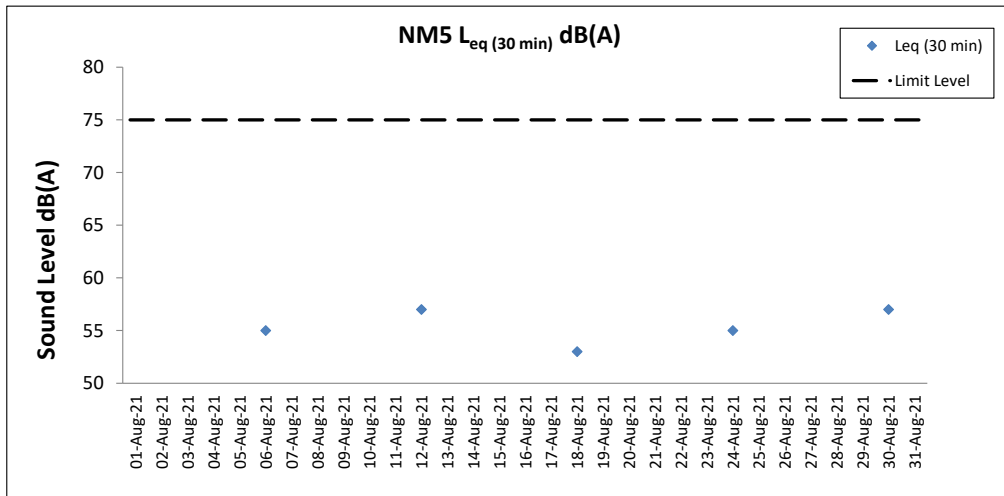
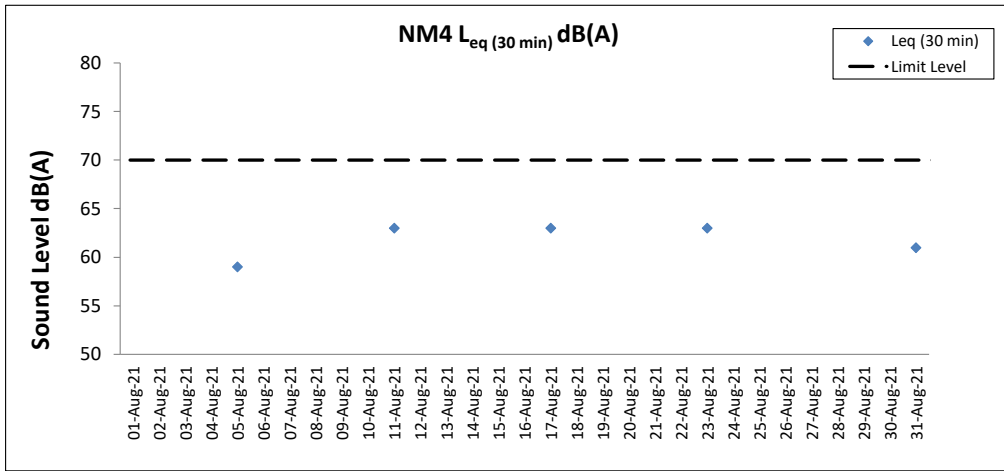
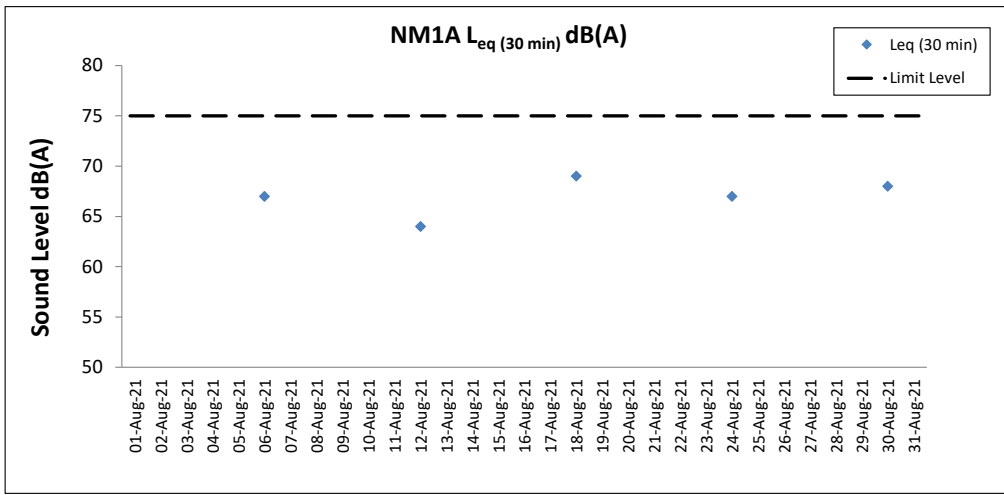
## Noise Measurement Results

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

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A) ^
05-Aug-21	Cloudy	15:58	58.1	48.4	68
05-Aug-21	Cloudy	16:03	60.9	45.6	
05-Aug-21	Cloudy	16:08	58.8	47.1	
05-Aug-21	Cloudy	16:13	59.3	51.5	
05-Aug-21	Cloudy	16:18	72.4	56.9	
05-Aug-21	Cloudy	16:23	69.3	58.9	
11-Aug-21	Cloudy	15:44	66.2	53.8	66
11-Aug-21	Cloudy	15:49	64.7	55.7	
11-Aug-21	Cloudy	15:54	64.7	53.8	
11-Aug-21	Cloudy	15:59	64.8	56.2	
11-Aug-21	Cloudy	16:04	67.5	54.3	
11-Aug-21	Cloudy	16:09	63.5	53.2	
17-Aug-21	Cloudy	15:49	66.9	55.5	68
17-Aug-21	Cloudy	15:54	67.2	56.8	
17-Aug-21	Cloudy	15:59	66.0	51.2	
17-Aug-21	Cloudy	16:04	69.3	59.7	
17-Aug-21	Cloudy	16:09	68.9	59.8	
17-Aug-21	Cloudy	16:14	69.9	58.9	
23-Aug-21	Cloudy	15:47	68.3	57.3	67
23-Aug-21	Cloudy	15:52	68.8	61.4	
23-Aug-21	Cloudy	15:57	64.8	58.1	
23-Aug-21	Cloudy	16:02	62.4	54.8	
23-Aug-21	Cloudy	16:07	64.5	56.5	
23-Aug-21	Cloudy	16:12	67.6	58.9	
31-Aug-21	Cloudy	15:40	54.3	40.9	55
31-Aug-21	Cloudy	15:45	57.8	40.3	
31-Aug-21	Cloudy	15:50	56.1	39.3	
31-Aug-21	Cloudy	15:55	58.0	40.5	
31-Aug-21	Cloudy	16:00	54.6	38.6	
31-Aug-21	Cloudy	16:05	48.2	39.2	

Remarks:

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



**Notes**

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

## **Water Quality Monitoring Results**



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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 21 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	Misty	Calm	09:59	8.0	Surface	1.0	0.4	227	29.6	29.6	8.3	8.3	21.1	21.1	36.2	36.5	2.7	2.2	2.6	2.2	12	14	815634	804257				
						1.0	0.5	232	29.6	8.3	8.3	21.2	21.2	36.8	36.8	2.6	2.2	2.6	2.2	13								
					Middle	4.0	0.4	210	27.5	27.5	7.8	7.8	29.6	29.6	39.2	39.2	2.6	3.4	3.8	3.4	12							
						4.0	0.4	214	27.4	27.4	7.8	7.8	29.5	29.5	39.2	39.2	2.6	3.5	3.8	3.5	13							
					Bottom	7.0	0.4	204	26.7	26.7	7.8	7.8	32.7	32.7	33.2	34.1	2.2	5.8	3.2	5.8	16							
						7.0	0.4	213	26.7	26.7	7.8	7.8	32.7	32.7	34.9	34.9	2.3	5.8	3.2	5.8	16							
C2	Cloudy	Moderate	11:02	11.8	Surface	1.0	0.6	170	29.5	29.5	8.2	8.2	19.0	19.0	112.2	112.3	7.7	1.6	5.6	1.6	7	5	825687	806966				
						1.0	0.6	181	29.5	29.5	8.2	8.2	19.0	19.0	112.4	112.3	7.7	1.7	5.6	1.7	5							
					Middle	5.9	0.6	166	26.8	26.8	7.9	7.9	28.6	28.6	49.3	49.3	3.4	2.7	5.9	2.7	4							
						5.9	0.6	180	26.8	26.8	7.9	7.9	28.6	28.6	49.3	49.3	3.4	2.7	5.9	2.7	4							
					Bottom	10.8	0.4	145	26.4	26.4	7.9	7.9	29.4	29.4	46.8	46.9	3.2	13.5	3.2	13.5	3							
						10.8	0.5	147	26.4	26.4	7.9	7.9	29.4	29.4	47.0	47.0	3.2	13.1	3.2	13.1	4							
C3	Cloudy	Moderate	08:46	11.6	Surface	1.0	0.2	119	29.2	29.2	8.4	8.4	20.2	20.2	156.7	156.7	10.7	2.9	9.0	2.9	17	12	822131	817792				
						1.0	0.2	120	29.2	29.2	8.4	8.4	20.2	20.2	156.7	156.7	10.7	3.0	9.0	3.0	15							
					Middle	5.8	0.2	123	28.2	28.2	8.2	8.2	24.9	24.9	108.3	106.5	7.4	1.4	3.3	1.4	13							
						5.8	0.2	131	28.2	28.2	8.2	8.2	24.9	24.9	104.7	106.5	7.1	1.5	3.3	1.5	11							
					Bottom	10.6	0.3	77	25.9	25.9	7.9	7.9	30.0	30.0	59.3	59.4	4.1	5.5	4.1	5.5	12							
						10.6	0.4	78	25.9	25.9	7.9	7.9	30.0	30.0	59.5	59.5	4.1	5.5	4.1	5.5	6							
IM1	Misty	Calm	10:24	4.2	Surface	1.0	0.1	198	27.5	27.4	7.8	7.8	31.1	31.2	40.1	39.5	2.7	5.5	2.7	5.5	4	4	817965	807112				
						1.0	0.1	202	27.3	27.4	7.8	7.8	31.4	31.2	38.9	39.5	2.6	5.4	2.7	5.4	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.0	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.0	-
					Bottom	3.2	0.1	146	27.1	27.1	7.7	7.7	31.9	31.9	45.9	46.9	3.1	6.5	3.2	6.5	4							
						3.2	0.1	148	27.1	27.1	7.7	7.7	31.9	31.9	47.9	47.9	3.2	6.5	3.2	6.5	4							
IM2	Misty	Calm	10:31	6.0	Surface	1.0	0.2	180	28.9	28.9	8.0	8.0	26.0	26.1	56.8	54.5	3.8	3.4	2.9	3.4	4	4	818164	806182				
						1.0	0.2	185	28.8	28.9	8.0	8.0	26.2	26.1	52.2	54.5	3.5	3.3	2.9	3.3	4							
					Middle	3.0	0.2	157	26.9	26.9	7.8	7.7	32.3	32.3	31.6	31.7	2.1	4.0	2.9	4.1	4.0				5			
						3.0	0.2	170	26.9	26.9	7.7	7.7	32.3	32.3	31.7	31.7	2.1	4.0	2.9	4.0	4							
					Bottom	5.0	0.2	130	26.8	26.8	7.7	7.7	32.5	32.5	33.8	34.8	2.3	4.6	2.4	4.6	4							
						5.0	0.2	133	26.8	26.8	7.7	7.7	32.5	32.5	35.7	34.8	2.4	4.6	2.4	4.6	5							
IM3	Misty	Calm	10:38	6.4	Surface	1.0	0.2	141	28.6	28.6	8.0	8.0	27.2	27.2	73.2	72.7	4.9	2.9	3.4	2.9	4	4	818764	805577				
						1.0	0.2	141	28.6	28.6	8.0	8.0	27.2	27.2	72.1	72.7	4.8	3.0	3.4	3.0	3							
					Middle	3.2	0.3	147	27.0	27.0	7.7	7.7	32.2	32.2	28.8	28.9	1.9	4.1	3.4	4.1	4.0				4			
						3.2	0.3	148	26.9	27.0	7.7	7.7	32.3	32.2	29.0	28.9	1.9	4.2	3.4	4.2	2							
					Bottom	5.4	0.2	140	26.8	26.8	7.7	7.7	32.5	32.5	31.3	31.8	2.1	5.1	2.2	5.1	5							
						5.4	0.3	150	26.8	26.8	7.7	7.7	32.5	32.5	32.3	31.8	2.2	5.0	2.2	5.0	5							
IM4	Misty	Calm	10:48	7.6	Surface	1.0	0.7	192	28.2	28.2	8.0	8.0	24.9	25.1	69.6	69.0	4.7	4.2	3.5	4.2	6	5	819744	804604				
						1.0	0.8	206	28.1	28.2	8.0	8.0	25.3	25.1	68.4	69.0	4.7	4.1	3.5	4.1	5							
					Middle	3.8	0.5	177	27.6	27.7	7.8	7.8	30.0	30.0	35.2	35.1	2.3	5.8	3.5	5.8	5.4				5.8	4		
						3.8	0.6	194	27.7	27.7	7.8	7.8	30.0	30.0	34.9	35.1	2.3	5.9	3.5	5.9	5							
					Bottom	6.6	0.4	161	27.2	27.2	7.7	7.7	31.4	31.4	39.5	40.3	2.6	6.1	2.7	6.1	5							
						6.6	0.4	177	27.2	27.2	7.7	7.7	31.5	31.4	41.1	41.1	2.7	6.0	2.7	6.0	4							
IM5	Misty	Calm	10:58	7.0	Surface	1.0	0.6	213	29.5	29.4	8.4	8.4	18.9	19.0	132.4	130.2	9.1	2.7	6.5	2.7	4	5	820738	804888				
						1.0	0.6	224	29.3	29.4	8.4	8.4	19.0	19.0	127.9	130.2	8.8	2.6	6.5	2.6	4							
					Middle	3.5	0.5	176	28.6	28.6	7.9	7.9	27.8	27.9	58.5	59.1	3.9	3.9	4.0	3.9	3.6				3.9	4		
						3.5	0.5	192	28.5	28.5	7.9	7.9	28.0	27.9	59.6	59.1	4.0	3.9	4.0	3.9	4							
					Bottom	6.0	0.5	187	27.7	27.7	7.8	7.8	30.2	30.2	57.9	59.9	3.9	4.3	4.0	4.3	6							
						6.0	0.5	203	27.7	27.7	7.8	7.8	30.2	30.2	61.9	59.9	4.1	4.4	4.0	4.4	5							
IM6	Misty	Calm	11:08	6.6	Surface	1.0	0.4	252	30.1	30.1	8.3	8.3	18.8	18.8	107.2	104.2	7.3	3.3	5.3	3.3	6	6	821067	805830				
						1.0	0.4	264	30.1	30.1	8.3	8.3	18.8	18.8	101.2	104.2	6.9	3.4	5.3	3.4	6							
					Middle	3.3	0.3	197	28.1	28.1	7.8	7.8	28.7	28.7	52.0	52.9	3.5	3.9	3.5	3.9	3.8				3.9	5		
						3.3	0.3	211	28.1	28.1	7.8	7.8	28.6	28.7	53.7	52.9	3.6	3.9	3.5	3.9	6							
					Bottom	5.6	0.3	197	27.8	27.8	7.8	7.8	29.8	29.8	49.5	52.5	3.3	4.3	3.5	4.3	5							
						5.6	0.4	201	27.8	27.8	7.8	7.8	29.7	29.8	55.4	52.5	3.7	4.2	3.5	4.2	5							
IM7	Misty	Calm	11:21	7.6	Surface	1.0	0.1	239	30.0	30.0	8.3	8.3	19.0	19.1	112.7	109.8	7.7	1.9	5.4	1.9	3	4	821370	806853				
						1.0	0.1	253	30.0	30.0	8.3	8.3	19.2	19.1	106.8	109.8	7.3	1.9	5.4	1.9	4							
					Middle	3.8	0.1	172	27.9	27.9	7.8	7.8	29.5	29.6	49.1	49.1	3.3	3.0	2.7	3.0	2.7				4			
						3.8	0.1	184	27.9	27.9	7.8	7.8	29.7	29.6	49.0	49.1	3.3	3.0	2.7	3.0	4							
					Bottom	6.6	0.1	174	27.7	27.7	7.8	7.8	30.2	30.3	56.0	59.2	3.7	3.3	3.9	3.3	4							
						6.6	0.1	189	27.7	27.7	7.8	7.8	30.4	30.3	62.4	59.2	4.1	3.3	3.9	3.3	4							
IM8	Cloudy	Moderate	10:32	7.6	Surface	1.0	0.2	126	29.7	29.7	8.4	8.4	16.3	16.3	150.2	150.1	10.4	2.6	7.8	2.6	5	5	821836	808143				
						1.0	0.2	138	29.7	29.7	8.4	8.4	16.3	16.3	150.0	150.1	10.4	2.6	7.8	2.6	4							
					Middle	3.8	0.2	150	28.4	28.4	8.0	8.0	24.5	24.5	74.4	74.4	5.1	1.9	2.7	1.9	5							
						3.8	0.2	154	28.4	28.4	8.0	8.0	24.4	24.5	74.4	74.4	5.1	1.9	2.7	1.9	4							
					Bottom	6.6	0.2	90	27.1	27.1	7.7	7.7	29.1	29.1	18.8	18.9	1.3	3.5	1.3	3.5	5							
						6.6	0.2	94	27.1	27.1	7.7	7.7	29.1	29.1	18.9	18.9	1.3	3.5	1.3	3.5	5							

DA: Depth-Averaged

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 21 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	Average
IM9	Cloudy	Moderate	10:25	7.3	Surface	1.0	0.3	135	29.7	29.7	8.4	8.4	16.6	16.6	138.3	138.2	9.6	7.3	1.6	5	4	822095	808806				
						1.0	0.3	144	29.7	8.4	8.4	16.6	16.6	138.1	138.2	9.6	7.3	1.6	4								
					Middle	3.7	0.4	120	28.4	28.4	8.0	8.0	24.4	24.4	72.4	72.3	4.9	3.0	2.0	5							
						3.7	0.4	124	28.4	28.4	8.0	8.0	24.4	24.4	72.2	72.3	4.9	3.0	2.0	4							
					Bottom	6.3	0.3	86	27.2	27.2	7.8	7.8	28.6	28.6	25.9	26.0	1.8	3.0	5.4	4							
						6.3	0.3	94	27.2	27.2	7.8	7.8	28.6	28.6	26.0	26.0	1.8	3.0	5.4	4							
IM10	Cloudy	Moderate	10:17	7.9	Surface	1.0	0.7	131	29.6	29.6	8.4	8.4	17.7	17.7	144.8	144.6	10.0	7.6	1.7	6	6	822408	809777				
						1.0	0.8	133	29.6	29.6	8.4	8.4	17.7	17.7	144.3	144.6	10.0	7.6	1.7	6							
					Middle	4.0	0.6	120	28.4	28.4	8.0	8.0	24.3	24.4	76.9	76.9	5.2	3.3	1.8	6							
						4.0	0.6	130	28.4	28.4	8.0	8.0	24.4	24.4	76.9	76.9	5.2	3.3	1.9	5							
					Bottom	6.9	0.5	123	27.5	27.5	7.8	7.8	27.8	27.8	34.4	34.5	2.3	3.3	6.3	5							
						6.9	0.5	132	27.5	27.5	7.8	7.8	27.8	27.8	34.5	34.5	2.3	3.3	6.3	6							
IM11	Cloudy	Moderate	10:05	8.1	Surface	1.0	0.9	94	29.4	29.4	8.4	8.4	18.7	18.7	129.5	129.4	8.9	6.8	1.1	16	8	822072	811436				
						1.0	1.0	94	29.4	29.4	8.4	8.4	18.7	18.7	129.3	129.4	8.9	6.8	1.2	9							
					Middle	4.1	0.8	91	28.1	28.1	8.0	8.0	25.2	25.3	69.6	69.6	4.7	3.3	2.1	6							
						4.1	0.8	97	28.1	28.1	8.0	8.0	25.3	25.3	69.6	69.6	4.7	3.3	2.1	6							
					Bottom	7.1	0.4	88	27.1	27.1	7.9	7.9	28.1	28.1	46.1	46.1	3.1	3.1	6.8	5							
						7.1	0.4	93	27.1	27.1	7.9	7.9	28.1	28.1	46.1	46.1	3.1	3.1	6.8	5							
IM12	Cloudy	Moderate	09:57	9.0	Surface	1.0	0.5	149	29.5	29.5	8.4	8.4	18.7	18.7	134.7	134.7	9.3	6.1	1.0	10	11	821446	812063				
						1.0	0.5	154	29.5	29.5	8.4	8.4	18.7	18.7	134.7	134.7	9.3	6.1	1.1	9							
					Middle	4.5	0.5	122	27.4	27.4	7.8	7.8	27.6	27.6	41.9	41.8	2.8	7.1	8.0	11							
						4.5	0.6	123	27.4	27.4	7.8	7.8	27.6	27.6	41.7	41.7	2.8	7.1	8.1	10							
					Bottom	8.0	0.3	104	26.9	27.0	7.8	7.8	28.5	28.4	35.7	35.8	2.4	2.4	12.1	13							
						8.0	0.3	108	27.0	27.0	7.8	7.8	28.4	28.4	35.9	35.9	2.4	2.4	12.1	12							
SR1A	Cloudy	Moderate	09:23	5.5	Surface	1.0	-	-	29.3	29.3	8.3	8.3	20.4	20.4	118.1	117.9	8.1	8.1	1.4	7	11	819978	812662				
						1.0	-	-	29.3	29.3	8.3	8.3	20.5	20.4	117.6	117.9	8.0	8.1	1.4	12							
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	3.3	-	
						4.5	-	-	28.1	28.1	7.9	7.9	25.2	25.3	65.9	65.4	4.5	4.5	5.1	12							
					Bottom	4.5	-	-	28.1	28.1	7.9	7.9	25.3	25.3	64.8	65.4	4.4	4.5	5.2	14							
						4.5	-	-	28.1	28.1	7.9	7.9	25.3	25.3	64.8	65.4	4.4	4.5	5.2	14							
SR2	Cloudy	Moderate	09:08	4.9	Surface	1.0	0.6	108	29.1	29.1	8.4	8.4	20.1	20.1	127.6	127.2	8.8	8.8	2.6	12	14	821443	814169				
						1.0	0.6	112	29.0	29.0	8.4	8.4	20.1	20.1	126.8	127.2	8.7	8.8	2.6	13							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	5.4	-	
						3.9	0.4	102	28.2	28.2	8.0	8.0	24.7	24.7	83.7	83.9	5.7	5.7	8.1	15							
					Bottom	3.9	0.4	104	28.3	28.3	8.0	8.0	24.7	24.7	84.1	83.9	5.7	5.7	8.2	16							
						3.9	0.4	104	28.3	28.3	8.0	8.0	24.7	24.7	84.1	83.9	5.7	5.7	8.2	16							
SR3	Cloudy	Moderate	10:38	8.7	Surface	1.0	0.4	185	29.7	29.7	8.4	8.4	17.0	17.0	126.8	126.7	8.8	5.9	1.6	4	5	822169	807573				
						1.0	0.4	198	29.7	29.7	8.4	8.4	17.0	17.0	126.6	126.7	8.8	5.9	1.5	4							
					Middle	4.4	0.2	174	28.0	28.0	7.8	7.8	27.2	27.2	43.2	43.4	2.9	4.0	3.0	4							
						4.4	0.2	179	28.0	28.0	7.8	7.8	27.2	27.2	43.6	43.4	2.9	4.0	3.0	4							
					Bottom	7.7	0.0	34	27.1	27.1	7.7	7.7	28.7	28.7	26.8	27.0	1.8	1.9	7.4	5							
						7.7	0.0	35	27.1	27.1	7.7	7.7	28.7	28.7	27.2	27.0	1.9	1.9	7.7	7							
SR4A	Misty	Calm	09:37	8.0	Surface	1.0	0.0	274	30.0	30.0	8.1	8.1	21.4	21.4	77.4	76.6	5.2	3.5	2.3	7	6	817172	807815				
						1.0	0.0	287	30.0	30.0	8.1	8.1	21.4	21.4	75.7	76.6	5.1	3.5	2.2	8							
					Middle	4.0	0.0	215	27.1	27.1	7.8	7.8	31.8	31.8	26.4	26.5	1.8	3.6	3.6	5							
						4.0	0.0	230	27.1	27.1	7.8	7.8	31.8	31.8	26.5	26.5	1.8	3.6	3.6	7							
					Bottom	7.0	0.1	316	27.1	27.1	7.8	7.8	31.8	31.8	28.1	28.2	1.9	1.9	4.9	5							
						7.0	0.1	325	27.1	27.1	7.8	7.8	31.8	31.8	28.3	28.3	1.9	1.9	4.9	4							
SR5A	Misty	Calm	09:21	4.4	Surface	1.0	0.0	54	29.3	29.3	8.2	8.2	22.0	22.0	93.6	93.6	6.5	6.4	5.2	5	6	816595	810714				
						1.0	0.0	56	29.2	29.2	8.2	8.2	22.1	22.1	91.9	93.6	6.2	6.4	5.2	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	5.6	-
						3.4	0.1	348	28.9	28.9	7.9	7.9	25.7	25.7	66.6	66.7	4.5	4.5	6.0	7							
					Bottom	3.4	0.1	355	28.9	28.9	7.9	7.9	25.8	25.8	67.0	67.0	4.5	4.5	6.1	6							
						1.0	0.1	12	29.1	29.1	8.2	8.2	22.6	22.6	95.1	93.5	6.4	6.4	3.9	6							
SR6A	Misty	Calm	08:53	4.0	Surface	1.0	0.1	12	29.1	29.1	8.2	8.2	22.6	22.6	91.8	91.8	6.3	6.4	3.8	7	8	817967	814732				
						1.0	0.1	12	29.1	29.1	8.2	8.2	22.6	22.6	91.8	91.8	6.3	6.4	3.8	7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4.0	-
						3.0	0.0	287	29.1	29.1	7.9	7.9	27.7	27.6	66.4	67.2	2.9	3.0	4.2	9							
					Bottom	3.0	0.0	289	29.2	29.2	7.9	7.9	27.6	27.6	68.0	67.2	3.0	3.0	4.1	8							
						3.0	0.0	289	29.2	29.2	7.9	7.9	27.6	27.6	68.0	67.2	3.0	3.0	4.1	8							
SR7	Cloudy	Moderate	08:11	16.8	Surface	1.0	0.6	50	28.8	28.8	8.3	8.3	22.6	22.6	129.4	129.4	8.8	7.5	1.1	13	10	823652	823725				
						1.0	0.7	54	28.8	28.8	8.3	8.3	22.6	22.6	129.3	129.4	8.8	7.5	1.1	15							
					Middle	8.4	0.6	52	26.7	26.8	8.0	8.0	27.9	27.8	88.6	90.3	6.1	2.4	14								
						8.4	0.6	54	26.8	26.8	7.9	7.9	27.8	27.8	92.0	90.3	6.3	2.3	8								
					Bottom	15.8	0.4	12	24.8	24.8	7.8	7.8	31.7	31.7	44.4	44.5	3.1	3.1	3.8	6							
						15.8	0.4	13	24.8	24.8	7.8	7.8	31.7	31.7	44.6	44.5	3.1	3.1	3.8	6							
SR8	Cloudy	Moderate	09:48	4.0	Surface	1.0	-	-	29.4	29.4	8.4	8.4	17.9	17.9	144.4	144.1	10.0	10.0	3.8	9	8	820410	811602				
						1.0	-	-	29.4	29.4	8.4	8.4	17.9	17.9	143.8	144.1	9.9	10.0	3.9	8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	10.0	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	10.0	-
					Bottom	3.0	-	-	29.6	29.6	8.3	8.3	19.1	19.2	117.7	117.1	8.1	8.1	15.9								

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 21 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	Average	Value
C1	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
C2	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
C3	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM1	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM2	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM3	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM4	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM5	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM6	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM7	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
IM8	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	#####	0	0		
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
					Bottom	-	0.0	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**  
 Note: The flood-tide monitoring session on 3 August 2021 was cancelled due to Strong Wind Signal No. 3.

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

Water Quality Monitoring Results on 03 August 21 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				
IM9	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
IM10	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
IM11	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
IM12	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR1A	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR2	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR3	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR4A	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR5A	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR6A	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR7	0	0	N/A	0.0	Surface	-	0.0	0	-	-	-	-	-	-	-	-	-	####	-	-	-	-	<2	0	0	
					Middle	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
					Bottom	-	0.0	0	-	-	-	-	-	-	-	-	-	-	-	####	-	-				-
SR8	0	0	N/A	0.0	Surface	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				0.0
					Bottom	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				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

Note: The flood-tide monitoring session on 3 August 2021 was cancelled due to Strong Wind Signal No. 3.

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

**Water Quality Monitoring Results on 05 August 21 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Misty	Moderate	10:42	8.0	Surface	1.0	0.5	200	28.3	28.3	8.2	8.2	19.9	19.9	116.8	116.6	8.1	7.2	3.2	4.4	5	6	815640	804228				
						1.0	0.6	205	28.3	8.2	8.2	19.9	19.9	116.3	116.3	8.1	7.2	3.2	4.4	5	6							
					Middle	4.0	0.5	212	28.3	28.3	8.2	8.2	22.7	22.7	91.2	90.1	6.3	6.1	4.3	4.3	6	6			6	6		
						4.0	0.5	211	28.3	28.3	8.2	8.2	22.6	22.6	89.0	89.0	6.1	6.1	4.3	4.3	6	6			6	6		
					Bottom	7.0	0.5	209	26.9	26.9	7.8	7.8	29.3	29.2	38.7	39.3	2.6	2.7	5.7	5.7	7	7			7	7		
						7.0	0.6	213	26.9	26.9	7.8	7.8	29.2	29.2	39.9	39.9	2.7	2.7	5.6	5.6	7	7			7	7		
C2	Cloudy	Rough	12:43	9.2	Surface	1.0	1.2	162	28.9	28.9	8.0	8.0	20.9	20.9	96.7	96.6	6.6	6.2	3.2	2.9	5	5	825665	806968				
						1.0	1.3	170	28.9	28.9	8.0	8.0	20.9	20.9	96.5	96.5	6.6	6.2	3.2	2.9	5	5						
					Middle	4.6	0.7	160	28.5	28.5	8.0	8.0	24.7	24.7	85.5	85.5	5.8	5.8	2.5	2.5	5	5			5	5		
						4.6	0.8	171	28.5	28.5	8.0	8.0	24.7	24.7	85.4	85.4	5.8	5.8	2.5	2.5	6	6			6	6		
					Bottom	8.2	0.3	127	27.4	27.4	7.9	7.9	29.9	29.9	61.8	61.8	4.1	4.1	3.0	3.0	6	6			6	6		
						8.2	0.4	127	27.3	27.3	7.9	7.9	30.0	29.9	61.8	61.8	4.1	4.1	3.0	3.0	5	5			5	5		
C3	Cloudy	Rough	10:03	12.9	Surface	1.0	0.2	107	27.9	27.9	8.1	8.1	27.2	27.2	101.1	101.1	6.8	6.6	2.5	2.7	5	5	822091	817780				
						1.0	0.2	117	27.9	27.9	8.1	8.1	27.2	27.2	101.1	101.1	6.8	6.6	2.6	2.6	5	5						
					Middle	6.5	0.1	7	27.7	27.7	8.1	8.1	28.1	28.1	93.9	93.9	6.3	6.3	3.0	3.0	6	6			6	6		
						6.5	0.1	7	27.7	27.7	8.1	8.1	28.1	28.1	93.8	93.8	6.3	6.3	3.0	3.0	5	5			5	5		
					Bottom	11.9	0.1	57	27.3	27.3	8.1	8.1	29.5	29.5	84.0	84.0	5.7	5.7	2.5	2.5	5	5			5	5		
						11.9	0.1	61	27.3	27.3	8.1	8.1	29.6	29.5	84.0	84.0	5.7	5.7	2.5	2.5	6	6			6	6		
IM1	Misty	Moderate	11:02	4.2	Surface	1.0	0.1	133	28.0	28.0	8.3	8.3	23.1	23.1	117.4	117.2	8.1	8.1	7.6	8.1	6	6	817943	807131				
						1.0	0.1	135	27.9	27.9	8.3	8.3	23.1	23.1	116.9	116.9	8.1	8.1	7.7	7.7	7	7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.2	0.1	141	27.5	27.5	7.9	7.9	27.5	27.4	61.3	64.3	4.2	4.4	8.5	8.5	6	6			6	6		
						3.2	0.1	148	27.5	27.5	7.9	7.9	27.4	27.4	67.2	67.2	4.6	4.4	8.5	8.5	5	5			5	5		
IM2	Misty	Moderate	11:11	6.4	Surface	1.0	0.1	155	28.2	28.2	8.2	8.2	23.4	23.4	81.3	76.9	5.6	3.9	5.9	6.6	6	6	818140	806165				
						1.0	0.1	161	28.2	28.2	8.2	8.2	23.4	23.4	72.5	76.9	5.0	3.9	5.8	5.8	5	5						
					Middle	3.2	0.2	157	26.6	26.7	7.8	7.8	29.2	29.2	38.3	37.9	2.6	2.9	6.6	6.6	4	4			4	4		
						3.2	0.2	144	26.7	26.7	7.8	7.8	29.2	29.2	37.4	37.4	2.5	2.5	6.5	6.5	5	5			5	5		
					Bottom	5.4	0.2	159	27.1	27.2	7.8	7.8	29.2	29.2	41.5	42.4	2.8	2.9	7.3	7.3	4	4			4	4		
						5.4	0.2	158	27.2	27.2	7.8	7.8	29.1	29.2	43.2	43.2	2.9	2.9	7.4	7.4	5	5			5	5		
IM3	Misty	Moderate	11:18	6.8	Surface	1.0	0.3	177	28.1	28.1	8.2	8.2	23.7	23.7	98.1	97.3	6.7	5.4	7.7	8.4	8	8	818804	805587				
						1.0	0.3	178	28.0	28.0	8.2	8.2	23.6	23.7	96.4	97.3	6.6	5.4	7.8	7.8	8	8						
					Middle	3.4	0.4	180	27.1	27.1	8.0	8.0	26.4	26.5	61.3	60.2	4.2	4.1	8.3	8.3	7	7			7	7		
						3.4	0.4	181	27.0	27.0	8.0	8.0	26.5	26.5	59.1	60.2	4.1	4.1	8.4	8.4	7	7			7	7		
					Bottom	5.8	0.5	198	26.6	26.6	7.8	7.8	28.9	29.0	37.4	37.1	2.6	2.6	9.0	9.0	7	7			7	7		
						5.8	0.5	182	26.5	26.5	7.8	7.8	29.1	29.0	36.7	36.7	2.5	2.5	9.1	9.1	6	6			6	6		
IM4	Misty	Moderate	11:29	8.2	Surface	1.0	0.4	199	28.2	28.2	8.3	8.3	19.5	19.5	122.9	121.2	8.6	6.7	4.5	5.6	8	8	819720	804591				
						1.0	0.4	192	28.1	28.1	8.3	8.3	19.5	19.5	119.4	119.4	8.4	6.7	4.5	4.5	7	7						
					Middle	4.1	0.4	184	27.7	27.7	8.0	8.0	24.9	24.9	72.0	71.9	4.9	4.9	5.5	5.5	9	9			9	9		
						4.1	0.4	188	27.6	27.6	8.0	8.0	24.9	24.9	71.7	71.9	4.9	4.9	5.5	5.5	9	9			9	9		
					Bottom	7.2	0.5	196	27.8	27.8	7.9	7.9	26.4	26.4	61.2	61.8	4.2	4.2	6.8	6.8	10	10			10	10		
						7.2	0.5	199	27.8	27.8	7.9	7.9	26.4	26.4	62.3	62.3	4.2	4.2	6.9	6.9	9	9			9	9		
IM5	Misty	Moderate	11:40	7.6	Surface	1.0	0.4	201	28.5	28.5	8.2	8.2	17.4	17.3	116.6	116.2	8.2	7.4	2.7	3.4	4	4	820746	804863				
						1.0	0.4	220	28.5	28.5	8.2	8.2	17.3	17.3	115.7	115.7	8.2	7.4	2.7	2.7	4	4						
					Middle	3.8	0.5	192	28.1	28.1	8.2	8.2	21.3	21.8	96.3	95.6	6.7	6.5	3.0	3.1	5	5			5	5		
						3.8	0.5	193	28.0	28.0	8.1	8.1	22.4	22.4	94.8	94.8	6.5	6.5	3.1	3.1	4	4			4	4		
					Bottom	6.6	0.5	188	27.7	27.8	7.9	7.9	26.6	26.5	67.4	70.3	4.6	4.8	4.4	4.4	4	4			4	4		
						6.6	0.5	192	27.8	27.8	7.9	7.9	26.5	26.5	73.1	73.1	5.0	5.0	4.4	4.4	5	5			5	5		
IM6	Misty	Moderate	11:49	7.0	Surface	1.0	0.5	221	28.6	28.6	8.3	8.3	19.4	19.5	126.1	126.0	8.8	8.7	2.5	2.6	8	8	821048	805849				
						1.0	0.5	208	28.6	28.6	8.3	8.3	19.5	19.5	125.8	125.8	8.8	8.7	2.5	2.5	7	7						
					Middle	3.5	0.5	201	28.5	28.5	8.3	8.3	19.8	19.8	123.7	123.6	8.6	8.6	2.5	2.5	8	8			8	8		
						3.5	0.6	202	28.5	28.5	8.3	8.3	19.8	19.8	123.5	123.5	8.6	8.6	2.5	2.5	7	7			7	7		
					Bottom	6.0	0.6	199	28.0	28.0	8.2	8.2	21.2	21.3	105.8	104.8	7.3	7.3	2.9	2.9	6	6			6	6		
						6.0	0.6	178	28.0	28.0	8.2	8.2	21.4	21.4	103.8	103.8	7.2	7.2	2.9	2.9	7	7			7	7		
IM7	Misty	Moderate	11:58	8.0	Surface	1.0	0.5	226	28.4	28.4	8.4	8.4	20.9	21.0	139.6	139.2	9.7	8.3	1.0	2.6	11	11	821328	806825				
						1.0	0.6	228	28.3	28.3	8.4	8.4	21.0	21.0	138.7	138.7	9.6	8.3	1.0	2.6	10	10						
					Middle	4.0	0.5	231	28.0	28.0	8.3	8.3	21.5	21.5	104.5	97.9	7.3	7.3	3.0	2.9	10	10			10	10		
						4.0	0.5	218	28.0	28.0	8.3	8.3	21.5	21.5	91.3	91.3	6.4	6.4	2.9	2.9	9	9			9	9		
					Bottom	7.0	0.6	202	28.0	28.0	7.9	7.9	26.9	26.8	82.3	86.4	5.6	5.9	3.8	3.8	8	8			8	8		
						7.0	0.6	203	28.0	28.0	7.9	7.9	26.8	26.8	90.5	90.5	6.1	6.1	3.7	3.7	9	9			9	9		
IM8	Cloudy	Rough	12:10	7.9	Surface	1.0	0.3	177	29.1	29.1	8.2	8.2	20.0	20.0	119.9	120.0	8.3	8.5	2.9	3.2	3	3	821838	808124				
						1.0	0.4	182	29.1	29.1	8.2	8.2	20.0	20.0	120.0	1												

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

**Water Quality Monitoring Results on 05 August 21 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				
IM9	Cloudy	Rough	12:03	7.4	Surface	1.0	0.4	135	28.1	29.1	8.2	8.2	20.1	20.1	118.1	118.2	8.1	8.1	2.9	6	5	822115	808818			
						1.0	0.5	141	28.1	29.1	8.2	8.2	20.1	20.1	118.2	118.2	8.1	8.1	2.9	6						
					Middle	3.7	0.3	104	28.0	29.0	8.2	8.2	21.5	21.5	120.3	120.3	8.2	8.2	3.0	5						
						6.4	0.3	111	28.0	29.0	8.2	8.2	21.5	21.5	120.3	120.3	8.2	8.2	3.1	4						
					Bottom	6.4	0.3	49	28.9	28.9	8.2	8.2	21.9	21.9	124.4	124.4	8.5	8.5	3.3	3						
						6.2	0.3	52	28.9	28.9	8.2	8.2	22.0	22.0	124.4	124.4	8.5	8.5	3.3	4						
IM10	Cloudy	Rough	11:53	7.5	Surface	1.0	0.7	123	29.0	29.0	8.2	8.1	20.5	20.5	113.8	113.8	7.8	7.8	2.9	7	6	822398	809798			
						1.0	0.7	134	29.0	29.0	8.1	8.1	20.5	20.5	113.8	113.8	7.8	7.8	2.8	6						
					Middle	3.8	0.7	108	28.9	28.9	8.1	8.1	22.6	22.6	108.9	108.9	7.4	7.4	2.9	6						
						3.8	0.7	115	28.9	28.9	8.1	8.1	22.6	22.6	108.8	108.8	7.4	7.4	2.9	5						
					Bottom	6.5	0.5	93	28.7	28.7	8.1	8.1	23.7	23.7	105.1	105.2	7.1	7.1	4.7	6						
						6.5	0.5	95	28.7	28.7	8.1	8.1	23.7	23.7	105.2	105.2	7.1	7.1	4.7	5						
IM11	Cloudy	Rough	11:38	8.2	Surface	1.0	0.8	112	29.0	29.0	8.2	8.2	22.0	22.0	129.3	129.3	8.8	8.8	2.7	6	6	822049	811477			
						1.0	0.8	116	29.0	29.0	8.2	8.2	22.0	22.0	129.2	129.2	8.8	8.8	2.7	6						
					Middle	4.1	0.7	103	28.3	28.3	8.1	8.1	26.6	26.6	80.4	80.4	5.4	5.4	3.9	6						
						4.1	0.7	105	28.3	28.3	8.1	8.1	26.6	26.6	80.4	80.4	5.4	5.4	3.9	6						
					Bottom	7.2	0.4	107	27.8	27.8	8.0	8.0	28.6	28.6	66.3	66.3	4.4	4.4	5.5	5						
						7.2	0.4	114	27.8	27.8	8.0	8.0	28.6	28.6	66.3	66.3	4.4	4.4	5.5	6						
IM12	Cloudy	Rough	11:28	8.6	Surface	1.0	0.8	116	29.0	29.0	8.3	8.3	22.8	22.8	141.2	141.2	9.6	9.6	3.3	4	5	821448	812044			
						1.0	0.8	118	29.0	29.0	8.3	8.3	22.8	22.8	141.1	141.1	9.6	9.6	3.3	4						
					Middle	4.3	0.4	95	28.5	28.5	8.1	8.1	25.5	25.5	86.5	86.5	5.8	5.8	3.4	4						
						4.3	0.4	97	28.5	28.5	8.1	8.1	25.5	25.5	86.5	86.5	5.8	5.8	3.5	5						
					Bottom	7.6	0.2	103	28.0	28.0	7.9	7.9	28.3	28.3	58.7	58.8	3.9	3.9	6.6	5						
						7.6	0.2	110	28.0	28.0	7.9	7.9	28.3	28.3	58.8	58.8	3.9	3.9	6.6	5						
SR1A	Cloudy	Rough	10:49	5.8	Surface	1.0	-	-	28.6	28.6	8.2	8.2	24.9	24.9	111.6	111.6	7.5	7.5	3.8	4	4	819971	812657			
						1.0	-	-	28.6	28.6	8.2	8.2	24.9	24.9	111.6	111.6	7.5	7.5	3.8	5						
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.8	-	-	28.3	28.3	8.0	8.0	26.7	26.7	70.8	70.8	4.8	4.8	5.3	4						
						4.8	-	-	28.3	28.3	8.0	8.0	26.7	26.7	70.8	70.8	4.8	4.8	5.3	4						
SR2	Cloudy	Rough	10:30	3.9	Surface	1.0	0.4	67	28.7	28.7	8.3	8.3	23.9	23.9	129.6	129.5	8.8	8.8	3.9	4	4	821474	814142			
						1.0	0.4	71	28.7	28.7	8.3	8.3	23.9	23.9	129.4	129.5	8.8	8.8	3.9	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	2.9	0.2	47	28.5	28.5	8.2	8.2	25.3	25.3	104.2	104.1	7.0	7.0	3.2	5						
						2.9	0.3	51	28.5	28.5	8.2	8.2	25.3	25.3	104.0	104.0	7.0	7.0	3.2	4						
SR3	Cloudy	Rough	12:17	8.2	Surface	1.0	0.7	171	28.8	28.8	8.1	8.1	19.6	19.6	105.4	105.2	7.3	7.3	2.5	4	4	822162	807587			
						1.0	0.8	174	28.7	28.7	8.1	8.1	19.7	19.7	105.0	105.0	7.3	7.3	2.6	3						
					Middle	4.1	0.3	221	28.6	28.6	8.1	8.1	24.5	24.5	96.6	96.5	6.5	6.5	2.8	4						
						4.1	0.3	233	28.6	28.6	8.1	8.1	24.6	24.6	96.4	96.5	6.5	6.5	2.8	3						
					Bottom	7.2	0.3	169	28.0	28.0	8.0	8.0	28.5	28.6	67.0	67.0	4.5	4.5	3.5	4						
						7.2	0.3	174	27.9	27.9	8.0	8.0	28.6	28.6	67.0	67.0	4.5	4.5	3.5	5						
SR4A	Misty	Moderate	10:20	9.0	Surface	1.0	0.5	113	27.8	27.8	8.2	8.2	23.2	23.2	86.1	82.1	6.0	6.0	7.3	4	5	817201	807786			
						1.0	0.6	119	27.7	27.7	8.2	8.2	23.2	23.2	78.0	82.1	5.4	5.4	7.4	5						
					Middle	4.5	0.6	121	27.3	27.3	8.0	8.0	27.2	27.3	53.5	53.3	3.6	3.6	8.8	6						
						4.5	0.6	132	27.3	27.3	8.0	8.0	27.4	27.3	53.0	53.3	3.6	3.6	8.7	5						
					Bottom	8.0	0.6	141	27.1	27.1	7.8	7.8	28.0	28.0	43.6	44.0	3.0	3.0	9.6	6						
						8.0	0.6	150	27.1	27.1	7.9	7.9	27.9	28.0	44.4	44.0	3.0	3.0	9.7	6						
SR5A	Misty	Moderate	10:02	3.8	Surface	1.0	0.4	113	28.2	28.2	8.1	8.1	22.9	22.8	86.5	86.4	5.9	5.9	7.0	5	5	816593	810684			
						1.0	0.4	113	28.2	28.2	8.1	8.1	22.8	22.8	86.3	86.4	5.9	5.9	6.9	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	2.8	0.4	108	28.2	28.2	8.1	8.1	24.4	24.4	86.3	86.4	5.9	5.9	7.6	5						
						2.8	0.4	106	28.1	28.1	8.1	8.1	24.4	24.4	86.4	86.4	5.9	5.9	7.7	6						
SR6A	Misty	Moderate	09:34	4.4	Surface	1.0	0.3	108	27.7	27.7	8.1	8.1	23.7	23.8	80.2	78.4	5.5	5.5	8.9	7	7	817960	814754			
						1.0	0.3	104	27.6	27.6	8.1	8.1	23.8	23.8	76.5	78.4	5.3	5.3	8.9	6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.4	0.3	105	27.5	27.5	7.9	7.9	26.1	26.1	64.8	64.7	4.4	4.4	9.7	8						
						3.4	0.3	105	27.5	27.5	7.9	7.9	26.1	26.1	64.6	64.7	4.4	4.4	9.9	8						
SR7	Cloudy	Rough	09:36	17.8	Surface	1.0	0.4	134	27.9	27.9	8.1	8.1	27.2	27.2	98.6	98.6	6.6	6.6	3.3	5	5	823624	823744			
						1.0	0.5	135	27.9	27.9	8.1	8.1	27.2	27.2	98.5	98.6	6.6	6.6	3.2	5						
					Middle	8.9	0.5	125	27.7	27.7	8.1	8.1	28.2	28.2	90.8	90.7	6.1	6.1	2.9	5						
						8.9	0.5	126	27.7	27.7	8.1	8.1	28.2	28.2	90.6	90.6	6.1	6.1	2.9	5						
					Bottom	16.8	0.6	111	26.4	26.4	7.9	7.9	31.5	31.6	61.3	61.1	4.1	4.1	7.6	4						
						16.8	0.6	108	26.4	26.4	7.9	7.9	31.6	31.6	60.8	61.1	4.1	4.1	7.7	3						
SR8	Cloudy	Rough	11:19	4.2	Surface	1.0	-	-	28.9	28.9	8.2	8.2	23.7	23.7	117.8	117.8	8.0	8.0	3.8	4	4	820380	811638			
						1.0	-	-	28.9	28.9	8.2	8.2	23.7	23.7	117.7	117.7	8.0	8.0	3.9	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.2	-	-	28.8	28.8	8.2	8.2	24.2	24.2	107.2	107.2	7.2	7.2	4.1	4						
						3.2	-	-	28.8	28.8	8.2	8.2	24.2	24.2	107.1	107.1	7.2	7.2	4.1	4						

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

**Water Quality Monitoring Results on 05 August 21 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
C1	Misty	Moderate	18:02	6.8	Surface	1.0	0.3	38	28.1	28.1	8.2	8.2	22.4	22.4	114.7	114.5	7.9	7.9	2.1	2.1	15	15	16	815611	804227					
						1.0	0.4	39	28.1	8.2	8.2	22.5	22.5	114.2	114.2	7.9	7.9	2.1	2.1	15	15									
					Middle	3.4	0.5	55	28.1	28.1	8.1	8.1	22.9	22.9	98.5	98.3	6.8	6.8	3.5	3.5	16	16								
						3.4	0.5	56	28.1	28.1	8.1	8.1	22.9	22.9	98.0	98.0	6.7	6.7	3.5	3.5	16	16								
					Bottom	5.8	0.5	67	27.8	27.8	8.1	8.1	23.1	23.1	97.5	97.9	6.7	6.8	6.5	6.5	16	16								
						5.8	0.5	68	27.8	27.8	8.1	8.1	23.1	23.1	98.3	98.3	6.8	6.8	6.4	6.4	16	16								
C2	Rainy	Rough	16:53	8.6	Surface	1.0	0.5	16	29.1	29.1	8.0	8.0	18.4	18.4	98.4	98.5	6.8	6.8	3.7	3.7	3	3	4	825662	806958					
						1.0	0.5	17	29.1	29.1	8.0	8.0	18.4	18.4	98.5	98.5	6.8	6.8	3.7	3.7	4	4								
					Middle	4.3	0.5	16	28.2	28.2	8.0	8.0	25.2	25.3	80.0	80.0	5.4	5.4	5.8	5.8	3	3								
						4.3	0.6	17	28.2	28.2	8.0	8.0	25.3	25.3	80.0	80.0	5.4	5.4	5.9	5.9	4	4								
					Bottom	7.6	0.3	12	27.7	27.7	7.9	7.9	28.2	28.2	65.8	65.9	4.4	4.4	6.0	6.0	4	4								
						7.6	0.3	13	27.7	27.7	7.9	7.9	28.2	28.2	65.9	65.9	4.4	4.4	6.0	6.0	4	4								
C3	Cloudy	Rough	18:54	10.3	Surface	1.0	0.3	243	28.3	28.3	8.1	8.1	25.1	25.1	102.4	102.4	6.9	6.9	3.1	3.1	6	6	5	822101	817795					
						1.0	0.3	250	28.3	28.3	8.1	8.1	25.1	25.1	102.4	102.4	6.9	6.9	3.1	3.1	6	6								
					Middle	5.2	0.3	218	28.3	28.3	8.1	8.1	25.6	25.6	98.0	97.8	6.6	6.6	3.8	3.8	3	3								
						5.2	0.3	229	28.3	28.3	8.1	8.1	25.6	25.6	97.6	97.6	6.6	6.6	3.8	3.8	3	3								
					Bottom	9.3	0.3	270	27.6	27.6	8.0	8.0	28.2	28.2	79.2	79.3	5.3	5.3	3.8	3.8	4	4								
						9.3	0.3	271	27.6	27.6	8.0	8.0	28.2	28.2	79.3	79.3	5.3	5.3	3.8	3.8	4	4								
IM1	Misty	Moderate	17:41	4.0	Surface	1.0	0.1	118	28.0	28.0	8.3	8.3	23.0	23.0	122.6	122.2	8.4	8.4	2.7	2.7	5	5	6	817960	807108					
						1.0	0.1	123	28.0	28.0	8.3	8.3	23.0	23.0	121.8	121.8	8.4	8.4	2.8	2.8	6	6								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.0	0.0	109	27.6	27.6	8.0	8.0	26.2	26.2	69.6	69.8	4.8	4.8	3.6	3.6	5	5								
						3.0	0.0	98	27.6	27.6	8.0	8.0	26.3	26.2	70.0	70.0	4.8	4.8	3.5	3.5	6	6								
IM2	Misty	Moderate	17:33	6.0	Surface	1.0	0.2	76	27.5	27.5	8.0	8.0	26.5	26.6	69.3	69.5	4.7	4.7	5.4	5.4	5	5	5	818166	806177					
						1.0	0.2	74	27.5	27.5	7.9	7.9	26.7	26.7	69.7	69.7	4.7	4.7	5.3	5.3	5	5								
					Middle	3.0	0.2	77	27.7	27.7	8.3	8.3	23.3	23.3	115.5	113.5	8.0	8.0	7.0	7.0	5	5								
						3.0	0.2	75	27.7	27.7	8.3	8.3	23.3	23.3	111.4	111.4	7.7	7.7	7.0	7.0	5	5								
					Bottom	5.0	0.2	82	27.5	27.5	7.9	7.9	27.3	27.4	63.6	64.6	4.3	4.4	7.9	7.9	6	6								
						5.0	0.2	89	27.5	27.5	7.9	7.9	27.4	27.4	65.6	65.6	4.4	4.4	8.0	8.0	6	6								
IM3	Misty	Moderate	17:26	6.0	Surface	1.0	0.3	67	28.2	28.2	8.3	8.3	23.9	23.9	120.3	118.0	8.2	8.2	4.3	4.3	4	4	6	818774	805605					
						1.0	0.3	68	28.2	28.2	8.3	8.3	23.9	23.9	115.6	115.6	7.9	7.9	4.3	4.3	5	5								
					Middle	3.0	0.3	75	27.8	27.8	8.0	8.0	26.5	26.4	74.9	77.5	5.1	5.1	5.9	5.9	6	6								
						3.0	0.3	74	27.8	27.8	8.0	8.0	26.4	26.4	80.0	80.0	5.4	5.4	5.9	5.9	6	6								
					Bottom	5.0	0.3	76	27.3	27.4	7.8	7.8	28.0	27.9	54.2	55.2	3.7	3.8	6.2	6.2	6	6								
						5.0	0.3	77	27.4	27.4	7.8	7.8	27.8	27.8	56.2	56.2	3.8	3.8	6.1	6.1	6	6								
IM4	Misty	Moderate	17:17	7.2	Surface	1.0	0.5	56	28.3	28.3	8.1	8.1	21.1	21.2	107.3	107.1	7.4	7.4	4.7	4.7	8	8	8	819711	804618					
						1.0	0.5	54	28.3	28.3	8.1	8.1	21.2	21.2	106.9	106.9	7.4	7.4	4.6	4.6	9	9								
					Middle	3.6	0.5	55	28.2	28.2	8.1	8.1	21.8	21.9	97.6	97.5	6.7	6.7	5.7	5.7	7	7								
						3.6	0.5	52	28.2	28.2	8.1	8.1	21.9	21.9	97.3	97.3	6.7	6.7	5.6	5.6	8	8								
					Bottom	6.2	0.6	57	28.2	28.2	8.1	8.1	22.0	22.0	96.2	96.2	6.6	6.6	6.6	6.6	7	7								
						6.2	0.6	58	28.2	28.2	8.1	8.1	22.0	22.0	96.2	96.2	6.6	6.6	6.5	6.5	7	7								
IM5	Misty	Moderate	17:10	7.0	Surface	1.0	0.3	49	28.6	28.6	8.2	8.2	19.5	19.5	113.0	113.0	7.9	7.9	6.1	6.1	7	7	5	820758	804884					
						1.0	0.4	48	28.6	28.6	8.2	8.2	19.6	19.6	112.9	112.9	7.9	7.9	6.1	6.1	6	6								
					Middle	3.5	0.4	43	28.5	28.5	8.2	8.2	20.0	20.0	111.5	111.4	7.7	7.7	7.8	7.8	5	5								
						3.5	0.5	42	28.5	28.5	8.2	8.2	20.0	20.0	111.2	111.2	7.7	7.7	7.8	7.8	4	4								
					Bottom	6.0	0.5	51	28.4	28.4	8.2	8.2	20.0	19.9	110.3	110.4	7.7	7.7	8.7	8.7	4	4								
						6.0	0.5	52	28.3	28.3	8.2	8.2	19.9	19.9	110.4	110.4	7.7	7.7	8.7	8.7	4	4								
IM6	Misty	Moderate	17:03	6.4	Surface	1.0	0.4	33	28.0	28.0	8.2	8.2	20.0	19.9	98.8	97.6	6.9	6.8	7.0	7.0	3	3	4	821044	805805					
						1.0	0.4	35	27.9	27.9	8.2	8.2	19.9	19.9	96.3	96.3	6.8	6.8	7.0	7.0	3	3								
					Middle	3.2	0.4	36	27.7	27.7	8.0	8.0	24.9	24.9	72.6	72.5	5.0	5.0	8.3	8.3	5	5								
						3.2	0.4	38	27.7	27.7	8.0	8.0	24.9	24.9	72.4	72.4	5.0	5.0	8.3	8.3	4	4								
					Bottom	5.4	0.4	40	27.7	27.8	8.0	8.0	24.9	24.8	72.9	73.1	5.0	5.0	10.0	10.0	5	5								
						5.4	0.5	41	27.8	27.8	8.0	8.0	24.8	24.8	73.3	73.3	5.0	5.0	10.0	10.0	5	5								
IM7	Misty	Moderate	16:56	7.4	Surface	1.0	0.4	27	28.5	28.5	8.1	8.1	19.6	19.6	106.2	106.0	7.4	7.4	2.3	2.3	4	4	4	821332	806836					
						1.0	0.4	25	28.5	28.5	8.1	8.1	19.7	19.7	105.8	105.8	7.4	7.4	2.3	2.3	4	4								
					Middle	3.7	0.5	26	28.0	28.0	8.1	8.1	20.4	20.4	94.9	94.6	6.6	6.6	6.2	6.2	3	3								
						3.7	0.5	28	27.9	27.9	8.1	8.1	20.4	20.4	94.2	94.2	6.6	6.6	6.5	6.5	4	4								
					Bottom	6.4	0.4	29	27.7	27.7	7.9	7.9	26.1	26.1	74.6	75.3	5.1	5.1	7.6	7.6	4	4								
						6.4	0.4	30	27.7	27.7	8.0	8.0	26.0	26.0	75.9	75.9	5.2	5.2	7.5	7.5	3	3								
IM8	Cloudy	Rough	17:13	7.4	Surface	1.0	0.4	289	29.0	29.0	8.1	8.1	19.6	19.6	101.8	101.9	7.0	7.0	3.2	3.2	3	3	3	821812	808141					
						1.0	0.4	303	29.0	29.0	8.1	8.1	19.6	19.6	101.9	101.9	7.0	7.0	3.2	3.2	3	3								
					Middle	3.7	0.2	301	29.0	29.0	8.1	8.1	20.4	20.4	101.1	101.1	7.0	7.0	5.2	5.2	3	3								
						3.7	0.3	311	29.0	29.0	8.1	8.1	20.4	20.4	101.1	101.1	7.0	7.0	5.2	5.2	3	3								
					Bottom	6.4	0.2	305	29.0</																					

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

**Water Quality Monitoring Results on 05 August 21 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		
IM9	Cloudy	Rough	17:19	7.1	Surface	1.0	0.3	234	29.0	29.0	8.1	8.1	19.5	19.5	103.3	103.3	7.1	7.1	3.5	4	4	822085	808787	
						1.0	0.3	245	29.0	8.1	8.1	19.5	19.5	103.3	103.3	7.1	7.1	3.5	3					
						3.6	0.2	220	29.0	29.0	8.1	8.1	19.7	19.7	102.3	102.3	7.1	7.1	3.2	4				
					Middle	6.1	0.2	223	29.0	29.0	8.1	8.1	19.7	19.7	102.2	102.2	7.1	7.1	3.2	4				
						3.6	0.2	203	29.0	29.0	8.0	8.0	20.3	20.3	100.4	100.4	6.9	6.9	3.7	4				
						6.1	0.2	211	29.0	29.0	8.0	8.0	20.3	20.3	100.5	100.5	6.9	6.9	3.7	4				
IM10	Cloudy	Rough	17:27	6.8	Surface	1.0	0.6	223	29.0	29.0	8.1	8.1	18.8	18.8	106.3	106.3	7.4	7.4	3.2	3	4	822373	809793	
						1.0	0.7	224	29.0	29.0	8.1	8.1	18.8	18.8	106.2	106.2	7.4	7.4	3.2	3				
						3.4	0.5	205	28.9	28.9	8.0	8.0	21.3	21.3	98.1	98.1	6.7	6.7	3.7	3				
					Middle	3.4	0.6	214	28.9	28.9	8.0	8.0	21.3	21.3	98.1	98.1	6.7	6.7	3.7	4				
						5.8	0.4	195	28.9	28.9	8.0	8.0	21.8	21.8	94.8	94.8	6.5	6.5	4.7	4				
						5.8	0.4	197	28.9	28.9	8.0	8.0	21.8	21.8	94.8	94.8	6.5	6.5	4.8	4				
IM11	Cloudy	Rough	17:37	7.2	Surface	1.0	0.7	207	29.0	29.0	8.1	8.1	19.7	19.7	107.7	107.7	7.4	7.4	3.3	2	3	822062	811477	
						1.0	0.7	216	29.0	29.0	8.1	8.1	19.7	19.7	107.7	107.7	7.4	7.4	3.3	3				
						3.6	0.6	194	28.5	28.5	8.0	8.0	24.0	24.0	85.8	85.8	5.8	5.8	4.7	2				
					Middle	3.6	0.7	199	28.5	28.5	8.0	8.0	24.0	24.0	85.8	85.8	5.8	5.8	4.8	3				
						6.2	0.1	179	28.3	28.3	8.0	8.0	25.1	25.1	79.3	79.4	5.4	5.4	5.4	4				
						6.2	0.1	181	28.3	28.3	8.0	8.0	25.1	25.1	79.4	79.4	5.4	5.4	5.4	4				
IM12	Cloudy	Rough	17:43	7.6	Surface	1.0	0.7	206	29.0	29.0	8.1	8.1	20.1	20.1	105.5	105.6	7.3	7.3	3.3	4	6	821448	812049	
						1.0	0.7	208	29.0	29.0	8.1	8.1	19.7	19.7	105.6	105.6	7.3	7.3	3.3	4				
						3.8	0.5	195	28.9	28.9	8.1	8.1	21.3	21.2	99.5	99.6	6.8	6.8	4.1	4				
					Middle	3.8	0.5	202	28.9	28.9	8.1	8.1	21.2	21.2	99.6	99.6	6.8	6.8	4.0	9				
						6.6	0.1	295	28.7	28.7	8.1	8.1	22.6	22.6	99.2	99.3	6.8	6.8	4.8	7				
						6.6	0.1	309	28.7	28.7	8.1	8.1	22.6	22.6	99.4	99.4	6.8	6.8	4.8	8				
SR1A	Cloudy	Rough	18:19	3.6	Surface	1.0	-	-	29.0	29.0	8.2	8.2	20.9	20.9	117.4	117.4	8.1	8.1	4.1	6	7	819974	812658	
						1.0	-	-	29.0	29.0	8.2	8.2	20.9	20.9	117.4	117.4	8.1	8.1	4.1	7				
						1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						2.6	-	-	28.8	28.8	8.2	8.2	22.6	22.6	119.3	119.2	8.1	8.1	3.8	8				
						2.6	-	-	28.8	28.8	8.2	8.2	22.6	22.6	119.1	119.1	8.1	8.1	3.9	8				
SR2	Cloudy	Rough	18:33	4.2	Surface	1.0	0.3	266	28.9	28.9	8.1	8.1	20.8	20.8	106.2	106.2	7.3	7.3	3.4	8	7	821483	814144	
						1.0	0.4	267	28.9	28.9	8.1	8.1	20.8	20.8	106.2	106.2	7.3	7.3	3.4	8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						3.2	0.1	273	28.9	28.9	8.1	8.1	21.0	21.0	105.4	105.4	7.2	7.2	6.0	6				
						3.2	0.1	274	28.9	28.9	8.1	8.1	21.0	21.0	105.4	105.4	7.2	7.2	6.1	5				
SR3	Rainy	Rough	17:08	7.7	Surface	1.0	0.8	292	29.0	29.0	8.0	8.0	19.4	19.4	103.3	103.3	7.1	7.1	3.5	3	3	822159	807557	
						1.0	0.8	296	29.0	29.0	8.0	8.0	19.4	19.4	103.2	103.2	7.1	7.1	3.4	2				
						3.9	0.5	317	28.8	28.8	8.0	8.0	21.9	21.9	97.1	97.2	6.6	6.6	3.1	2				
					Middle	3.9	0.5	314	28.8	28.8	8.0	8.0	21.8	21.8	97.2	97.2	6.7	6.7	3.1	3				
						6.7	0.4	24	28.7	28.7	8.0	8.0	24.2	24.2	90.3	90.4	6.1	6.1	3.9	3				
						6.7	0.4	25	28.7	28.7	8.0	8.0	24.2	24.2	90.4	90.4	6.1	6.1	3.9	3				
SR4A	Misty	Moderate	18:22	7.8	Surface	1.0	0.4	222	28.3	28.3	8.2	8.2	24.1	24.1	90.2	90.1	6.2	6.2	6.6	11	11	817210	807792	
						1.0	0.4	223	28.3	28.3	8.2	8.2	24.1	24.1	90.0	90.1	6.1	6.1	6.5	10				
						3.9	0.5	254	28.1	28.1	8.2	8.2	24.6	24.6	87.2	86.9	5.9	5.9	7.6	11				
					Middle	3.9	0.5	251	28.1	28.1	8.2	8.2	24.6	24.6	86.5	86.9	5.9	5.9	7.7	11				
						6.8	0.6	260	27.8	27.8	8.0	8.0	25.0	25.0	76.9	77.2	5.3	5.3	8.0	12				
						6.8	0.5	279	27.8	27.8	8.0	8.0	25.0	25.0	77.4	77.4	5.3	5.3	8.1	13				
SR5A	Misty	Moderate	18:41	4.0	Surface	1.0	0.3	310	28.2	28.2	8.1	8.1	24.3	24.3	90.2	90.2	6.1	6.1	8.9	6	6	816610	810718	
						1.0	0.3	299	28.2	28.2	8.1	8.1	24.4	24.4	90.1	90.1	6.1	6.1	8.8	6				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						3.0	0.3	231	27.9	27.9	8.1	8.1	24.6	24.6	90.1	90.2	6.2	6.2	9.6	6				
						3.0	0.3	228	27.8	27.8	8.1	8.1	24.6	24.6	90.3	90.3	6.2	6.2	9.6	6				
SR6A	Misty	Moderate	18:55	3.9	Surface	1.0	0.2	206	28.3	28.3	8.1	8.1	24.4	24.4	90.2	90.0	6.1	6.1	11	13	13	817955	814718	
						1.0	0.2	211	28.3	28.3	8.1	8.1	24.4	24.4	89.8	89.8	6.1	6.1	11	13				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						2.9	0.3	243	28.3	28.3	8.1	8.1	24.4	24.3	87.1	88.6	5.9	6.0	7.9	14				
						2.9	0.3	244	28.3	28.3	8.1	8.1	24.3	24.3	87.1	88.6	5.9	6.0	7.8	13				
SR7	Cloudy	Rough	19:21	14.2	Surface	1.0	0.3	301	28.3	28.3	8.2	8.2	25.8	25.8	112.1	112.1	7.6	7.6	2.2	3	3	823612	823728	
						1.0	0.4	308	28.3	28.3	8.2	8.2	25.8	25.8	112.1	112.1	7.6	7.6	2.3	3				
						7.1	0.1	322	27.9	27.9	8.1	8.1	27.0	27.0	99.9	99.9	6.7	6.7	3.5	3				
					Middle	7.1	0.1	328	27.9	27.9	8.1	8.1	27.0	27.0	99.9	99.9	6.7	6.7	3.5	3				
						13.2	0.1	22	27.6	27.6	8.0	8.0	28.2	28.2	86.0	85.9	5.8	5.8	3.8	4				
						13.2	0.1	24	27.5	27.5	8.0	8.0	28.3	28.2	85.7	85.7	5.8	5.8	3.8	3				
SR8	Cloudy	Rough	17:54	3.9	Surface	1.0	-	-	29.0	29.0	8.2	8.2	21.1	21.1	130.6	130.6	8.9	8.9	4.4	7	8	820381	811607	
						1.0	-	-	29.0	29.0	8.2	8.2	21.1	21.1	130.5	130.5	8.9	8.9	4.5	8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						2.9	-	-	29.0	29.0	8.2	8.2	21.1	21.1	129.4	129.5	8.9	8.9	5.3	9				
						2.9	-	-	29.0	29.0	8.2	8.2	21.1	21.1	129.5	129.5	8.9	8.9	5.3	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 07 August 21 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	12:08	7.4	Surface	1.0	0.5	202	28.6	28.6	8.0	8.0	23.3	23.3	89.1	89.2	6.1	6.1	2.8	6	6	815620	804259				
						1.0	0.5	207	28.6	28.6	8.0	8.0	23.2	23.2	89.2	89.2	6.1	6.1	2.8	6							
					Middle	3.7	0.5	214	27.6	27.6	7.9	7.9	26.5	26.5	65.1	65.2	4.4	4.4	3.2	6							
						3.7	0.5	219	27.6	27.6	7.9	7.9	26.5	26.5	65.2	65.2	4.4	4.4	3.2	5							
					Bottom	6.4	0.5	217	25.9	25.9	7.7	7.7	32.8	32.8	25.4	25.5	1.7	1.7	4.7	6							
						6.4	0.5	226	25.9	25.9	7.7	7.7	32.8	32.8	25.4	25.5	1.7	1.7	4.7	6							
C2	Cloudy	Moderate	14:10	11.0	Surface	1.0	0.3	94	29.1	29.1	8.0	8.0	19.5	19.5	88.3	88.1	6.1	6.1	4.0	2	3	825687	806954				
						1.0	0.3	98	29.1	29.1	8.0	8.0	19.5	19.5	87.8	88.1	6.1	6.1	4.1	3							
					Middle	5.5	0.1	108	26.7	26.7	7.9	7.9	26.4	26.4	52.8	52.8	3.6	3.6	11.7	2							
						5.5	0.1	117	26.7	26.7	7.9	7.9	26.4	26.4	52.8	52.8	3.7	3.7	11.7	3							
					Bottom	10.0	0.0	250	26.1	26.1	7.9	7.9	28.3	28.3	49.2	49.4	3.4	3.4	15.2	3							
						10.0	0.0	271	26.1	26.1	7.9	7.9	28.3	28.3	49.6	49.4	3.4	3.4	15.2	3							
C3	Cloudy	Moderate	11:45	11.4	Surface	1.0	0.4	70	27.0	27.1	8.0	8.0	25.2	25.2	71.3	71.3	4.9	4.9	3.5	4	4	822130	817803				
						1.0	0.4	74	27.1	27.1	8.0	8.0	25.2	25.2	71.2	71.3	4.9	4.9	4.0	5							
					Middle	5.7	0.3	79	26.8	26.8	8.0	8.0	26.0	26.0	61.4	61.2	4.3	4.3	5.0	5							
						5.7	0.3	84	26.8	26.8	8.0	8.0	25.9	26.0	61.0	61.2	4.2	4.2	4.9	4							
					Bottom	10.4	0.3	56	25.1	25.1	7.9	7.9	30.3	30.3	44.5	46.1	3.1	3.1	7.9	3							
						10.4	0.3	59	25.1	25.1	7.9	7.9	30.3	30.3	47.7	46.1	3.3	3.3	8.2	4							
IM1	Cloudy	Rough	12:32	4.8	Surface	1.0	0.1	216	26.9	26.9	7.7	7.7	29.5	29.5	30.3	30.3	2.1	2.1	6.9	8	7	817926	807136				
						1.0	0.1	234	26.9	26.9	7.7	7.7	29.4	29.4	30.3	30.3	2.1	2.1	6.8	8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.1	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.8	0.0	112	26.2	26.2	7.7	7.7	31.7	31.7	24.0	24.1	1.6	1.6	5.4	6							
						3.8	0.0	121	26.2	26.2	7.7	7.7	31.7	31.7	24.1	24.1	1.6	1.6	5.5	5							
IM2	Cloudy	Rough	12:39	6.3	Surface	1.0	0.1	152	28.6	28.6	8.0	8.0	23.7	23.7	81.9	81.8	5.6	5.6	2.8	2	4	818159	806165				
						1.0	0.1	161	28.6	28.6	8.0	8.0	23.7	23.7	81.6	81.8	5.5	5.5	2.8	3							
					Middle	3.2	0.2	129	26.2	26.2	7.7	7.7	31.7	31.7	23.7	23.7	1.6	1.6	4.8	5							
						3.2	0.2	131	26.2	26.2	7.7	7.7	31.7	31.7	23.7	23.7	1.6	1.6	4.8	5							
					Bottom	5.3	0.1	117	26.1	26.1	7.7	7.7	32.2	32.2	25.3	25.4	1.7	1.7	4.4	5							
						5.3	0.1	125	26.1	26.1	7.7	7.7	32.2	32.2	25.5	25.4	1.7	1.7	4.5	5							
IM3	Cloudy	Rough	12:47	6.5	Surface	1.0	0.1	50	28.8	28.9	8.1	8.1	22.9	22.9	96.0	96.0	6.5	6.5	2.3	6	5	818803	805574				
						1.0	0.1	50	28.9	28.9	8.1	8.1	22.9	22.9	96.0	96.0	6.5	6.5	2.2	5							
					Middle	3.3	0.2	135	26.5	26.5	7.7	7.7	30.8	30.8	24.7	24.8	1.7	1.7	5.1	5							
						3.3	0.2	142	26.5	26.5	7.7	7.7	30.8	30.8	24.8	24.8	1.7	1.7	5.1	4							
					Bottom	5.5	0.1	119	26.4	26.4	7.7	7.7	31.3	31.3	24.8	24.9	1.7	1.7	7.2	4							
						5.5	0.2	121	26.4	26.4	7.7	7.7	31.3	31.3	24.9	24.9	1.7	1.7	7.3	3							
IM4	Cloudy	Rough	13:00	8.2	Surface	1.0	0.9	203	29.0	29.0	8.0	8.0	21.4	21.4	98.9	98.9	6.8	6.8	2.4	4	3	819714	804627				
						1.0	1.0	212	29.0	29.0	8.0	8.0	21.4	21.4	98.9	98.9	6.8	6.8	2.4	4							
					Middle	4.1	0.8	203	27.4	27.4	7.8	7.8	27.7	27.7	46.5	46.5	3.2	3.2	6.9	2							
						4.1	0.8	205	27.4	27.4	7.8	7.8	27.7	27.7	46.4	46.5	3.2	3.2	6.9	3							
					Bottom	7.2	0.5	191	27.2	27.2	7.8	7.8	28.5	28.5	43.1	43.2	2.9	2.9	6.0	3							
						7.2	0.5	196	27.2	27.2	7.8	7.8	28.5	28.5	43.3	43.2	2.9	2.9	6.1	3							
IM5	Cloudy	Rough	13:11	7.6	Surface	1.0	0.9	207	29.3	29.3	8.0	8.0	20.7	20.7	98.4	98.4	6.7	6.7	2.4	3	3	820752	804860				
						1.0	1.0	224	29.3	29.3	8.0	8.0	20.7	20.7	98.3	98.4	6.7	6.7	2.3	2							
					Middle	3.8	0.8	212	27.4	27.4	7.8	7.8	27.7	27.7	46.2	46.3	3.1	3.1	6.8	3							
						3.8	0.8	231	27.4	27.4	7.8	7.8	27.7	27.7	46.3	46.3	3.1	3.1	6.9	3							
					Bottom	6.6	0.6	201	27.2	27.2	7.8	7.8	28.6	28.6	38.5	38.5	2.6	2.6	8.6	4							
						6.6	0.6	211	27.2	27.2	7.8	7.8	28.6	28.6	38.5	38.5	2.6	2.6	8.7	4							
IM6	Cloudy	Rough	13:20	6.8	Surface	1.0	0.7	252	28.7	28.8	8.0	8.0	23.0	23.0	84.3	84.3	5.7	5.7	3.0	3	3	821047	805843				
						1.0	0.7	264	28.8	28.8	8.0	8.0	22.9	22.9	84.2	84.3	5.7	5.7	2.9	4							
					Middle	3.4	0.6	261	27.5	27.5	7.8	7.8	27.4	27.4	48.5	48.6	3.3	3.3	4.3	4							
						3.4	0.7	286	27.5	27.5	7.8	7.8	27.4	27.4	48.7	48.6	3.3	3.3	4.3	3							
					Bottom	5.8	0.5	245	27.2	27.2	7.8	7.8	28.6	28.6	37.3	37.3	2.5	2.5	9.1	3							
						5.8	0.5	249	27.2	27.2	7.8	7.8	28.6	28.6	37.3	37.3	2.5	2.5	9.2	3							
IM7	Cloudy	Rough	13:29	7.8	Surface	1.0	0.7	248	28.9	28.9	8.0	8.0	22.9	22.9	96.3	96.3	6.5	6.5	2.3	3	4	821334	806831				
						1.0	0.7	259	28.9	28.9	8.0	8.0	22.9	22.9	96.2	96.3	6.5	6.5	2.3	4							
					Middle	3.9	0.7	244	28.1	28.1	7.9	7.9	25.0	25.0	72.1	72.2	4.9	4.9	3.5	4							
						3.9	0.7	267	28.1	28.1	7.9	7.9	25.0	25.0	72.2	72.2	4.9	4.9	3.4	3							
					Bottom	6.8	0.7	244	28.0	28.0	7.9	7.9	25.6	25.6	63.0	62.9	4.3	4.3	3.8	4							
						6.8	0.7	257	27.9	27.9	7.9	7.9	25.6	25.6	62.8	62.9	4.3	4.3	3.8	3							
IM8	Cloudy	Moderate	13:39	6.8	Surface	1.0	0.2	61	28.4	28.4	8.0	8.0	22.5	22.6	85.2	85.1	5.9	5.9	2.4	3	3	821836	808132				
						1.0	0.2	63	28.3	28.3	8.0	8.0	22.6	22.6	84.9	85.1	5.8	5.8	2.5	4							
					Middle	3.4	0.3	71	27.6	27.6	7.9	7.9	24.0	24.0	65.4	65.3	4.5	4.5	4.4	3							
						3.4	0.3	76	27.5	27.5	7.9	7.9	24.1	24.0	65.2	65.3	4.5	4.5	4.4	4							
					Bottom	5.8	0.3	58	27.6	27.6	7.9	7.9	24.3	24.3	62.2	62.4	4.3	4.3	9.8	3							
						5.8	0.3	61	27.6	27.6	7.9	7.9	24.3	24.3	62.6	62.4	4.3	4.3	9.8	2							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 07 August 21 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		
IM9	Cloudy	Moderate	13:34	7.0	Surface	1.0	0.4	81	27.9	27.9	7.9	7.9	23.1	23.1	77.8	77.7	5.4	4.9	3.0	6.3	2	3	822117	808803				
						1.0	0.4	82	27.9	7.9	7.9	23.2	23.2	77.5	5.3	3.1	3											
					Middle	3.5	0.3	93	27.5	27.5	7.9	7.9	24.1	24.1	64.7	64.7	4.5	4.5	6.7	4	2	3						
						3.5	0.3	99	27.5	7.9	7.9	24.1	24.1	64.6	4.5	6.7	4											
					Bottom	6.0	0.3	106	27.4	27.4	7.9	7.9	24.3	24.3	58.5	58.4	4.0	4.0	9.3	3	3							
						6.0	0.3	114	27.4	27.4	7.9	7.9	24.3	24.3	58.2	58.4	4.0	4.0	9.8	4	4							
IM10	Cloudy	Moderate	13:26	6.8	Surface	1.0	0.6	113	28.2	28.2	8.0	8.0	21.8	21.8	82.7	82.8	5.7	5.2	3.0	5.0	4	3	822364	809786				
						1.0	0.6	117	28.2	28.2	8.0	8.0	21.7	21.7	82.8	5.7	3.1	4										
					Middle	3.4	0.6	113	27.6	27.6	7.9	7.9	23.9	23.9	66.0	66.1	4.6	4.6	4.8	3	4							
						3.4	0.7	113	27.6	27.6	7.9	7.9	23.9	23.9	66.2	66.1	4.6	4.6	4.9	4	4							
					Bottom	5.8	0.5	112	27.5	27.5	7.9	7.9	24.3	24.3	63.8	63.9	4.4	4.4	6.9	2	2							
						5.8	0.5	112	27.5	27.5	7.9	7.9	24.3	24.3	63.9	63.9	4.4	4.4	7.1	4	4							
IM11	Cloudy	Moderate	13:13	7.6	Surface	1.0	0.5	116	28.7	28.7	8.0	8.0	21.3	21.3	83.5	83.2	5.7	5.0	2.5	6.1	4	3	822050	811460				
						1.0	0.5	124	28.7	28.7	8.0	8.0	21.3	21.3	82.8	5.7	2.5	3										
					Middle	3.8	0.4	129	27.6	27.6	7.9	7.9	23.7	23.7	61.3	61.2	4.2	4.2	5.5	4	4							
						3.8	0.4	139	27.6	27.6	7.9	7.9	23.7	23.7	61.1	61.2	4.2	4.2	6.0	3	3							
					Bottom	6.6	0.2	101	27.0	27.0	7.9	7.9	25.5	25.5	49.5	49.6	3.4	3.4	10.3	4	4							
						6.6	0.2	104	27.0	27.0	7.9	7.9	25.5	25.5	49.6	49.6	3.4	3.4	10.1	4	4							
IM12	Cloudy	Moderate	13:05	8.8	Surface	1.0	0.5	121	28.3	28.3	8.1	8.1	21.2	21.2	88.0	87.9	6.1	5.0	2.1	6.3	3	4	821439	812054				
						1.0	0.5	122	28.3	28.3	8.1	8.1	21.2	21.2	87.8	6.1	2.5	4										
					Middle	4.4	0.3	121	27.4	27.4	7.9	7.9	24.3	24.3	54.9	54.9	3.8	3.8	6.9	4	4							
						4.4	0.3	132	27.4	27.4	7.9	7.9	24.3	24.3	54.9	54.9	3.8	3.8	6.9	4	4							
					Bottom	7.8	0.4	83	27.0	27.0	7.9	7.9	25.6	25.6	47.8	47.9	3.3	3.3	9.8	5	5							
						7.8	0.4	87	27.0	27.0	7.9	7.9	25.6	25.6	47.9	47.9	3.3	3.3	9.8	4	4							
SR1A	Cloudy	Moderate	12:30	5.2	Surface	1.0	-	-	28.3	28.3	8.0	8.0	22.1	22.1	83.9	83.9	5.8	5.8	2.8	3	3	819978	812661					
						1.0	-	-	28.2	28.2	8.0	8.0	22.1	22.1	83.8	83.8	5.8	5.8	2.9	3								
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3	3	
					Bottom	4.2	-	-	27.8	27.8	8.0	8.0	23.3	23.3	76.0	76.0	5.3	5.3	4.3	4	4							
						4.2	-	-	27.8	27.8	8.0	8.0	23.3	23.3	76.0	76.0	5.3	5.3	4.4	3	3							
SR2	Cloudy	Moderate	12:11	4.0	Surface	1.0	0.4	101	28.0	28.0	8.0	8.0	22.1	22.1	83.6	83.6	5.8	5.8	2.5	4	5	821466	814153					
						1.0	0.5	103	28.0	28.0	8.0	8.0	22.1	22.1	83.5	5.8	2.5	5										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4	
					Bottom	3.0	0.2	92	27.7	27.7	8.0	8.0	23.2	23.1	76.5	76.6	5.3	5.3	3.1	3	3							
						3.0	0.3	95	27.7	27.7	8.0	8.0	23.1	23.1	76.7	76.6	5.3	5.3	3.0	3	3							
SR3	Cloudy	Moderate	13:44	8.4	Surface	1.0	0.4	178	28.5	28.5	8.0	8.0	21.7	21.7	88.7	88.7	6.1	5.6	2.6	4	3	822142	807551					
						1.0	0.4	188	28.5	28.5	8.0	8.0	21.7	21.7	88.6	6.1	2.6	3										
					Middle	4.2	0.3	190	27.9	27.9	8.0	8.0	23.3	23.3	73.0	73.0	5.0	5.0	3.0	4	4							
						4.2	0.3	192	27.9	27.9	8.0	8.0	23.3	23.3	73.0	73.0	5.0	5.0	3.0	4	4							
					Bottom	7.4	0.2	131	26.9	26.9	7.9	7.9	26.5	26.5	51.5	51.8	3.6	3.6	8.8	3	3							
						7.4	0.2	134	26.9	26.9	7.9	7.9	26.5	26.5	52.0	51.8	3.6	3.6	8.8	2	2							
SR4A	Cloudy	Rough	11:48	8.3	Surface	1.0	0.2	246	27.3	27.3	7.8	7.8	27.8	27.7	45.6	45.7	3.1	2.4	4.9	6	6	817212	807828					
						1.0	0.2	270	27.3	27.3	7.8	7.8	27.7	27.7	45.7	45.7	3.1	4.9	6									
					Middle	4.2	0.1	81	26.4	26.4	7.7	7.7	30.9	30.9	25.2	25.2	1.7	1.7	5.6	6	6							
						4.2	0.1	88	26.4	26.4	7.7	7.7	30.9	30.9	25.2	25.2	1.7	1.7	5.6	7	7							
					Bottom	7.3	0.1	62	26.4	26.4	7.7	7.7	31.2	31.2	24.2	24.2	1.6	1.6	6.2	6	6							
						7.3	0.1	62	26.4	26.4	7.7	7.7	31.2	31.2	24.2	24.2	1.6	1.6	6.2	7	7							
SR5A	Cloudy	Rough	11:30	4.1	Surface	1.0	0.1	23	29.2	29.2	7.9	7.9	23.4	23.4	70.9	70.9	4.8	4.8	3.4	7.3	8	9	816592	810674				
						1.0	0.1	23	29.2	29.2	7.9	7.9	23.4	23.4	70.8	70.8	4.8	4.8	3.4	9								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	9	9
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	9	9
					Bottom	3.1	0.1	26	28.6	28.6	7.9	7.9	24.1	24.1	62.6	62.6	4.3	4.3	11.2	9	9							
						3.1	0.1	26	28.6	28.6	7.9	7.9	24.1	24.1	62.6	62.6	4.2	4.2	11.2	9	9							
SR6A	Cloudy	Rough	11:03	4.2	Surface	1.0	0.1	347	28.3	28.3	7.9	7.9	24.4	24.4	63.6	63.6	4.3	4.3	6.9	7.5	8	8	817971	814724				
						1.0	0.1	319	28.3	28.3	7.9	7.9	24.4	24.4	63.5	63.6	4.3	4.3	7.0	8								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	8	8
					Bottom	3.2	0.0	344	28.0	28.0	7.9	7.9	25.6	25.6	60.3	60.4	4.1	4.1	8.0	8	8							
						3.2	0.0	316	28.0	28.0	7.9	7.9	25.6	25.6	60.4	60.4	4.1	4.1	8.1	7	7							
SR7	Cloudy	Moderate	11:03	16.4	Surface	1.0	0.5	101	27.7	27.7	8.1	8.1	23.3	23.3	90.6	90.6	6.3	5.9	1.7	2.1	4	5	823650	823760				
						1.0	0.5	103	27.7	27.7	8.1	8.1	23.3	23.3	90.6	6.3	1.7	4										
					Middle	8.2	0.1	63	27.0	27.0	8.0	8.0	24.5	24.5	78.2	78.1	5.4	5.4	2.2	5	5							
						8.2	0.1	63	26.9	26.9	8.0	8.0	24.5	24.5	77.9	77.9	5.4	5.4	2.2	5	5							
					Bottom	15.4	0.3	105	26.0	26.0	7.9	7.9	27.7	27.7	60.0	60.0	4.2	4.2	2.5	4	4							
						15.4	0.4	109	26.0	26.0	7.9	7.9	27.7	27.7	59.9	59.9	4.2	4.2	2.5	6	6							
SR8	Cloudy	Moderate	12:58	4.0	Surface	1.0	-	-	29.2	29.2	8.0	8.0	22.2	22.2	87.1	87.1	5.9	5.9	5.1	6.1	4	5	820388	811612				
						1.0	-	-	29.2	29.2	8.0	8.0	22.2	22.2	87.0	87.0	5.9	5.9	5.1	4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	3.0	-	-	29.0	29.0	8.0	8.0	22.2	22.2														

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

**Water Quality Monitoring Results on 07 August 21 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Rough	18:58	6.2	Surface	1.0	0.6	19	28.0	28.0	7.9	7.9	26.0	26.0	61.7	61.7	4.2	4.3	4	5	815605	804244			
						1.0	0.6	20	28.0	7.9	7.9	26.0	61.7	4.2	4.4	5									
					Middle	3.1	0.4	20	27.2	27.2	7.8	7.8	28.6	28.6	44.5	44.5	3.0	8.3	5						
						3.1	0.4	21	27.2	7.8	7.8	28.7	44.4	3.0	8.3	5									
					Bottom	5.2	0.4	21	26.6	26.6	7.7	7.7	30.6	30.6	32.0	2.2	5.6	6							
						5.2	0.4	22	26.6	7.7	7.7	30.6	31.9	2.2	5.5	7									
C2	Cloudy	Moderate	18:57	10.3	Surface	1.0	0.4	35	28.9	28.9	8.0	8.0	19.8	19.9	93.9	93.6	6.5	2.5	4	4	825705	806960			
						1.0	0.5	37	28.9	8.0	8.0	19.9	93.2	6.4	2.6	3									
					Middle	5.2	0.3	11	27.0	27.0	7.9	7.9	25.6	25.6	55.8	55.7	3.9	11.0	3						
						5.2	0.3	11	27.0	7.9	7.9	25.7	55.6	3.8	11.2	4									
					Bottom	9.3	0.3	356	26.2	26.2	7.9	7.9	28.1	28.1	46.8	46.9	3.2	18.7	3						
						9.3	0.3	356	26.2	7.9	7.9	28.1	46.9	3.2	19.3	4									
C3	Cloudy	Moderate	20:55	11.0	Surface	1.0	0.3	288	28.1	28.1	8.0	8.0	22.7	22.7	87.2	87.1	6.0	3.3	5	4	822098	817781			
						1.0	0.3	290	28.1	8.0	8.0	22.7	86.9	6.0	3.3	6									
					Middle	5.5	0.4	268	27.1	27.1	7.9	7.9	24.9	24.9	59.0	58.9	4.1	8.6	4						
						5.5	0.4	278	27.1	7.9	7.9	24.9	58.7	4.1	8.6	3									
					Bottom	10.0	0.4	283	25.8	25.8	7.9	7.9	28.5	28.5	52.6	52.8	3.7	8.5	3						
						10.0	0.4	284	25.8	7.9	7.9	28.5	52.9	3.7	9.3	3									
IM1	Cloudy	Rough	18:38	3.8	Surface	1.0	0.0	52	29.3	29.3	8.1	8.1	22.9	22.9	99.0	99.0	6.7	2.6	4	5	817957	807114			
						1.0	0.0	53	29.3	8.1	8.1	22.9	99.0	6.7	2.6	6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	2.8	0.2	332	28.9	28.9	8.1	8.1	24.4	24.4	97.8	97.8	6.6	3.0	4						
						2.8	0.2	351	28.9	8.1	8.1	24.4	97.7	6.6	3.0	5									
IM2	Cloudy	Rough	18:31	6.0	Surface	1.0	0.1	72	28.5	28.5	7.9	7.9	26.3	26.3	71.9	71.8	4.8	3.4	3	4	818166	806182			
						1.0	0.1	75	28.5	7.9	7.9	26.3	71.6	4.8	3.4	4									
					Middle	3.0	0.1	57	28.2	28.2	7.9	7.9	26.8	26.8	63.6	63.6	4.3	3.7	3						
						3.0	0.1	60	28.2	7.9	7.9	26.8	63.6	4.3	3.7	4									
					Bottom	5.0	0.1	40	26.1	26.1	7.9	7.9	32.0	32.0	61.3	61.3	4.1	2.8	4						
						5.0	0.1	43	26.1	7.9	7.9	32.0	61.2	4.1	2.8	4									
IM3	Cloudy	Rough	18:23	6.1	Surface	1.0	0.0	353	28.4	28.4	8.0	8.0	25.7	25.7	82.3	82.3	5.6	3.1	4	4	818803	805588			
						1.0	0.0	359	28.4	8.0	8.0	25.7	82.2	5.5	3.1	3									
					Middle	3.1	0.1	294	28.2	28.2	7.9	7.9	26.1	26.1	77.0	76.9	5.2	3.4	4						
						3.1	0.1	299	28.2	7.9	7.9	26.1	76.8	5.2	3.5	5									
					Bottom	5.1	0.0	344	27.5	27.5	7.9	7.9	28.3	28.3	55.7	55.8	3.8	4.5	4						
						5.1	0.0	353	27.5	7.9	7.9	28.3	55.8	3.8	4.4	5									
IM4	Cloudy	Rough	18:15	6.2	Surface	1.0	0.7	74	28.1	28.1	7.9	7.9	25.5	25.5	66.7	66.7	4.5	3.3	5	5	819738	804620			
						1.0	0.6	77	28.1	7.9	7.9	25.5	66.7	4.5	3.3	4									
					Middle	3.1	0.5	65	28.0	28.0	7.9	7.9	25.6	25.6	65.9	65.9	4.5	6.0	5						
						3.1	0.5	60	28.0	7.9	7.9	25.6	65.9	4.5	6.0	6									
					Bottom	5.2	0.7	63	28.0	28.0	7.9	7.9	25.7	25.7	64.7	64.8	4.4	9.7	6						
						5.2	0.7	62	28.0	7.9	7.9	25.7	64.8	4.4	9.7	5									
IM5	Cloudy	Rough	18:08	6.5	Surface	1.0	1.2	56	29.4	29.4	8.0	8.0	21.7	21.7	96.0	96.1	6.5	3.3	4	4	820711	804852			
						1.0	1.3	59	29.3	8.0	8.0	21.7	96.2	6.5	3.3	4									
					Middle	3.3	1.3	46	29.2	29.2	8.0	8.0	22.5	22.5	98.3	98.3	6.7	5.2	3						
						3.3	1.4	40	29.2	8.0	8.0	22.5	98.3	6.7	5.2	4									
					Bottom	5.5	1.1	44	29.0	29.0	8.0	8.0	23.3	23.3	97.6	97.6	6.6	6.3	3						
						5.5	1.2	43	29.0	8.0	8.0	23.3	97.6	6.6	6.3	4									
IM6	Cloudy	Rough	18:02	6.9	Surface	1.0	1.3	42	29.1	29.1	8.0	8.0	22.8	22.8	102.0	102.0	6.9	2.4	4	3	821077	805834			
						1.0	1.3	44	29.1	8.0	8.0	22.8	102.0	6.9	2.3	3									
					Middle	3.5	1.0	41	28.2	28.2	7.9	7.9	25.4	25.4	71.6	71.6	4.9	10.5	3						
						3.5	1.1	43	28.2	7.9	7.9	25.4	71.6	4.9	10.5	3									
					Bottom	5.9	0.8	43	28.1	28.1	7.9	7.9	25.6	25.6	70.5	70.5	4.8	12.7	3						
						5.9	0.9	45	28.1	7.9	7.9	25.6	70.5	4.8	12.8	2									
IM7	Cloudy	Rough	17:57	7.3	Surface	1.0	0.9	38	29.4	29.4	8.0	8.0	20.9	20.9	99.8	99.8	6.8	2.9	4	4	821327	806853			
						1.0	0.9	39	29.4	8.0	8.0	20.9	99.7	6.8	2.9	3									
					Middle	3.7	0.8	35	28.8	28.8	8.0	8.0	22.8	22.8	92.6	92.6	6.3	3.7	4						
						3.7	0.9	36	28.8	8.0	8.0	22.8	92.5	6.3	3.7	3									
					Bottom	6.3	0.7	38	28.1	28.1	7.9	7.9	25.4	25.4	71.8	72.0	4.9	8.3	3						
						6.3	0.7	39	28.1	7.9	7.9	25.4	72.1	4.9	8.4	4									
IM8	Cloudy	Moderate	19:24	6.8	Surface	1.0	0.1	359	28.7	28.7	8.0	8.0	19.8	19.8	98.3	98.3	6.8	2.6	3	3	821850	808125			
						1.0	0.1	330	28.7	8.0	8.0	19.8	98.3	6.8	2.6	2									
					Middle	3.4	0.1	304	28.4	28.4	8.0	8.0	21.3	21.3	89.4	89.4	6.2	3.0	3						
						3.4	0.1	322	28.4	8.0	8.0	21.3	89.3	6.2	3.0	4									
					Bottom	5.8	0.1	142	28.2	28.2	8.0	8.0	21.9	21.9	85.4	85.5	5.9	10.6	4						
						5.8	0.1	143	28.2	8.0	8.0	21.9	85.5	5.9	11.0	3									

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 07 August 21 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					
IM9	Cloudy	Moderate	19:30	6.9	Surface	1.0	0.1	96	28.8	28.8	8.0	8.0	20.5	20.6	95.2	95.0	6.6	6.4	2.4	3	4	822085	808823				
						1.0	0.1	100	28.7	8.0	8.0	20.7	20.6	94.8	94.3	6.5	6.4	2.5	3								
					Middle	3.5	0.0	323	28.5	28.5	8.0	8.0	21.3	21.3	89.8	89.7	6.2	6.1	2.9	3							
						3.5	0.0	330	28.5	28.5	8.0	8.0	21.4	21.4	89.6	89.6	6.2	6.1	3.1	3							
					Bottom	5.9	0.1	315	28.2	28.3	8.0	8.0	21.9	21.9	88.6	88.7	6.1	6.1	6.2	4							
						5.9	0.1	342	28.3	28.3	8.0	8.0	21.9	21.9	88.7	88.7	6.1	6.1	6.3	5							
IM10	Cloudy	Moderate	19:36	6.7	Surface	1.0	0.5	347	29.1	29.1	8.0	8.0	20.0	20.0	94.4	94.3	6.5	6.0	2.3	3	3	822382	809812				
						1.0	0.6	319	29.0	29.0	8.0	8.0	20.0	20.0	94.2	94.3	6.5	6.0	2.5	2							
					Middle	3.4	0.5	331	27.9	27.9	8.0	8.0	22.8	22.8	78.0	78.1	5.4	5.4	5.1	3							
						3.4	0.5	305	27.9	27.9	8.0	8.0	22.8	22.8	78.1	78.1	5.4	5.4	5.1	2							
					Bottom	5.7	0.4	314	27.9	27.9	8.0	8.0	22.8	22.8	79.5	79.6	5.5	5.5	6.1	3							
						5.7	0.4	341	27.9	27.9	8.0	8.0	22.8	22.8	79.6	79.6	5.5	5.5	6.1	3							
IM11	Cloudy	Moderate	19:44	7.6	Surface	1.0	0.3	318	28.7	28.7	8.0	8.0	20.5	20.6	90.7	90.6	6.3	5.7	2.3	3	3	822041	811460				
						1.0	0.3	319	28.7	28.7	8.0	8.0	20.6	20.6	90.4	90.6	6.2	5.7	2.5	3							
					Middle	3.8	0.4	314	27.9	27.9	8.0	8.0	23.1	23.1	75.5	75.6	5.2	5.2	4.4	3							
						3.8	0.4	334	27.9	27.9	8.0	8.0	23.1	23.1	75.6	75.6	5.2	5.2	4.3	2							
					Bottom	6.6	0.3	297	27.6	27.6	7.9	7.9	23.8	23.8	70.3	70.4	4.9	4.9	7.4	3							
						6.6	0.3	305	27.6	27.6	7.9	7.9	23.8	23.8	70.5	70.5	4.9	4.9	7.5	3							
IM12	Cloudy	Moderate	19:49	8.4	Surface	1.0	0.4	272	28.8	28.8	8.0	8.0	19.6	19.6	96.5	96.3	6.7	6.0	2.4	3	3	821462	812051				
						1.0	0.4	280	28.7	28.7	8.0	8.0	19.6	19.6	96.1	96.3	6.7	6.0	2.7	3							
					Middle	4.2	0.5	273	28.0	28.0	7.9	7.9	22.6	22.6	75.6	75.6	5.2	5.2	8.9	3							
						4.2	0.6	297	28.0	28.0	7.9	7.9	22.7	22.6	75.6	75.6	5.2	5.2	9.1	4							
					Bottom	7.4	0.1	210	27.9	27.9	7.9	7.9	23.0	23.0	72.1	72.2	5.0	5.0	11.9	3							
						7.4	0.1	219	27.9	27.9	7.9	7.9	23.0	23.0	72.2	72.2	5.0	5.0	11.8	4							
SR1A	Cloudy	Moderate	20:19	4.5	Surface	1.0	-	-	28.8	28.8	8.0	8.0	20.6	20.6	92.0	92.0	6.3	6.3	6.2	3	4	819973	812655				
						1.0	-	-	28.7	28.7	8.0	8.0	20.6	20.6	91.9	92.0	6.3	6.3	6.3	4							
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	9.7	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.5	-	-	28.2	28.2	8.0	8.0	22.5	22.5	85.1	85.2	5.9	5.9	13.3	3							
						3.5	-	-	28.2	28.2	8.0	8.0	22.5	22.5	85.3	85.3	5.9	5.9	13.2	4							
SR2	Cloudy	Moderate	20:34	4.1	Surface	1.0	0.1	14	28.6	28.6	8.0	8.0	21.3	21.3	89.3	89.4	6.2	6.2	3.4	3	3	821480	814167				
						1.0	0.1	15	28.6	28.6	8.0	8.0	21.2	21.3	89.4	89.4	6.2	6.2	3.4	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.6	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.1	0.2	354	28.6	28.6	8.0	8.0	21.4	21.4	88.0	88.1	6.1	6.1	3.7	3							
						3.1	0.2	326	28.6	28.6	8.0	8.0	21.4	21.4	88.2	88.2	6.1	6.1	3.7	3							
SR3	Cloudy	Moderate	19:19	8.8	Surface	1.0	0.2	356	29.2	29.2	8.0	8.0	19.9	19.9	99.4	99.4	6.8	6.0	2.0	3	2	822153	807556				
						1.0	0.2	356	29.2	29.2	8.0	8.0	19.9	19.9	99.4	99.4	6.8	6.0	2.0	3							
					Middle	4.4	0.2	349	27.7	27.7	8.0	8.0	23.4	23.4	74.5	74.4	5.2	5.1	4.2	2							
						4.4	0.2	321	27.7	27.7	8.0	8.0	23.4	23.4	74.3	74.3	5.1	5.1	4.3	2							
					Bottom	7.8	0.2	30	27.6	27.6	8.0	8.0	23.6	23.6	76.0	76.2	5.3	5.3	7.8	2							
						7.8	0.2	30	27.6	27.6	8.0	8.0	23.6	23.6	76.4	76.4	5.3	5.3	7.4	2							
SR4A	Cloudy	Rough	19:20	8.4	Surface	1.0	0.8	255	28.9	28.9	7.9	7.9	24.9	24.9	71.1	71.1	4.8	4.6	3.5	3	3	817182	807810				
						1.0	0.8	269	28.8	28.8	7.9	7.9	24.9	24.9	71.0	71.0	4.8	4.6	3.6	3							
					Middle	4.2	0.7	251	28.5	28.5	7.9	7.9	25.4	25.4	63.6	63.6	4.3	4.3	3.3	3							
						4.2	0.8	266	28.5	28.5	7.9	7.9	25.4	25.4	63.6	63.6	4.3	4.3	3.4	3							
					Bottom	7.4	0.5	260	28.1	28.1	7.8	7.8	26.1	26.1	53.7	53.8	3.6	3.6	4.8	2							
						7.4	0.5	270	28.1	28.1	7.8	7.8	26.1	26.1	53.8	53.8	3.6	3.6	4.9	2							
SR5A	Cloudy	Rough	19:42	3.3	Surface	1.0	0.6	300	28.9	28.9	8.0	8.0	24.8	24.8	81.5	81.5	5.5	5.5	8.5	3	3	816572	810717				
						1.0	0.6	300	28.9	28.9	8.0	8.0	24.8	24.8	81.5	81.5	5.5	5.5	8.5	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	9.7	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	2.3	0.4	306	28.9	28.9	8.0	8.0	24.8	24.8	81.4	81.5	5.5	5.5	10.8	3							
						2.3	0.5	328	28.9	28.9	8.0	8.0	24.8	24.8	81.5	81.5	5.5	5.5	10.9	2							
SR6A	Cloudy	Rough	20:11	3.6	Surface	1.0	0.1	329	29.4	29.4	8.1	8.1	23.5	23.5	100.7	100.6	6.8	6.8	4.0	2	3	817974	814759				
						1.0	0.1	354	29.4	29.4	8.1	8.1	23.5	23.5	100.5	100.5	6.7	6.8	3.9	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.1	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	2.6	0.1	352	28.2	28.2	8.0	8.0	25.2	25.2	71.8	71.9	4.9	4.9	8.2	3							
						2.6	0.1	324	28.2	28.2	8.0	8.0	25.2	25.2	71.9	71.9	4.9	4.9	8.2	3							
SR7	Cloudy	Moderate	21:24	16.5	Surface	1.0	0.1	260	28.0	28.0	8.1	8.1	22.8	22.8	89.1	89.0	6.1	5.3	2.2	2	3	823649	823727				
						1.0	0.1	282	28.0	28.0	8.1	8.1	22.8	22.8	88.9	88.9	6.1	5.3	2.3	2							
					Middle	8.3	0.2	188	26.9	26.9	7.9	7.9	25.8	25.9	65.0	64.9	4.5	4.5	3.8	2							
						8.3	0.2	191	26.9	26.9	7.9	7.9	26.0	26.0	64.7	64.7	4.5	4.5	4.0	3							
					Bottom	15.5	0.1	54	25.8	25.9	7.9	7.9	27.2	27.2	61.5	61.9	4.3	4.4	4.7	3							
						15.5	0.1	54	25.9	25.9	7.9	7.9	27.1	27.2	62.2	62.2	4.4	4.4	4.7	4							
SR8	Cloudy	Moderate	19:57	4.2	Surface	1.0	-	-	29.2	29.2	8.0	8.0	21.9	21.9	88.9	88.9	6.0	6.0	5.4	2	2	820379	811625				
						1.0	-	-	29.2	29.2	8.0	8.0	21.9	21.9	88.8	88.8	6.0	6.0	5.7	2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	7.0	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.2	-	-	29.0	29.0	8.0	8.0	21.9	21.9	74.3	73.9	5.1	5.1	8.7	2							
						3.2	-	-	29.0	29.0	8.0	8.0	21.8	21.8	73.5	73.5	5.0	5.1	8.2	2							

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

**Water Quality Monitoring Results on 10 August 21 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Cloudy	Moderate	13:50	8.9	Surface	1.0	0.0	0	27.8	27.8	8.0	8.0	26.0	26.0	85.7	85.7	5.8	5.8	5.7	7	7	815616	804248				
						1.0	0.0	0	27.8	27.8	8.0	8.0	26.0	26.0	85.6	85.6	5.8	5.8	5.6	8							
					Middle	4.5	-	0	26.6	26.6	7.9	7.9	27.9	27.9	74.8	74.7	5.1	5.1	5.2	8				9.2			
						4.5	-	0	26.6	26.6	7.9	7.9	27.9	27.9	74.5	74.5	5.1	5.1	5.2	6							
					Bottom	7.9	0.0	0	26.1	26.1	7.9	7.9	28.8	28.8	55.1	55.3	3.8	3.8	17.0	7							
						7.9	0.0	0	26.1	26.1	7.9	7.9	28.8	28.8	55.4	55.4	3.8	3.8	16.3	6							
C2	Fine	Moderate	12:41	12.1	Surface	1.0	0.0	0	28.1	28.1	8.4	8.4	26.1	26.1	71.6	71.4	4.8	4.8	9.0	9	8	825699	806921				
						1.0	0.0	0	28.1	28.1	8.4	8.4	26.2	26.2	71.1	71.1	4.8	4.8	9.3	8							
					Middle	6.1	-	0	28.1	28.1	8.4	8.4	26.2	26.2	69.7	69.6	4.7	4.7	7.9	8				11.4			
						6.1	-	0	28.1	28.1	8.4	8.4	26.2	26.2	69.4	69.4	4.7	4.7	7.8	7							
					Bottom	11.1	0.0	0	27.0	27.0	8.4	8.4	28.8	28.8	58.6	58.8	4.0	4.0	17.4	6							
						11.1	0.0	0	27.0	27.0	8.4	8.4	28.8	28.8	58.9	58.9	4.0	4.0	17.1	7							
C3	Fine	Moderate	14:33	12.6	Surface	1.0	0.0	0	27.7	27.7	8.4	8.4	27.3	27.3	78.2	78.2	5.3	5.3	7.7	7	9	822098	817818				
						1.0	0.0	0	27.7	27.7	8.4	8.4	27.3	27.3	78.2	78.2	5.3	5.3	7.8	8							
					Middle	6.3	-	0	27.3	27.3	8.4	8.4	28.0	28.0	72.6	72.6	4.9	4.9	7.1	8				9.1			
						6.3	-	0	27.3	27.3	8.4	8.4	28.0	28.0	72.6	72.6	4.9	4.9	7.1	9							
					Bottom	11.6	0.0	0	26.8	26.9	8.4	8.4	29.1	29.1	63.5	63.7	4.3	4.3	12.3	11							
						11.6	0.0	0	26.9	26.9	8.4	8.4	29.0	29.0	63.9	63.9	4.3	4.3	12.7	10							
IM1	Cloudy	Moderate	13:31	5.5	Surface	1.0	0.0	0	28.0	28.0	7.9	7.9	25.3	25.3	81.3	81.2	5.5	5.5	6.6	10	11	817964	807125				
						1.0	0.0	0	28.0	28.0	7.9	7.9	25.3	25.3	81.1	81.1	5.5	5.5	6.6	10							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	11.5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.5	0.0	0	27.0	27.0	7.9	7.9	27.0	27.0	57.4	57.6	3.9	3.9	16.6	11							
						4.5	0.0	0	27.0	27.0	7.9	7.9	27.0	27.0	57.8	57.8	4.0	4.0	16.3	12							
IM2	Cloudy	Moderate	13:23	7.3	Surface	1.0	0.0	0	27.3	27.3	7.9	7.9	26.2	26.3	69.7	69.7	4.8	4.8	7.3	6	7	818159	806155				
						1.0	0.0	0	27.2	27.3	7.9	7.9	26.3	26.3	69.7	69.7	4.8	4.8	7.5	6							
					Middle	3.7	-	0	26.6	26.6	7.9	7.9	27.8	27.8	60.8	60.7	4.2	4.2	9.7	7				11.5			
						3.7	-	0	26.5	26.6	7.9	7.9	27.8	27.8	60.5	60.5	4.2	4.2	9.7	7							
					Bottom	6.3	0.0	0	26.4	26.4	7.9	7.9	28.2	28.2	59.1	59.2	4.1	4.1	17.4	7							
						6.3	0.0	0	26.4	26.4	7.9	7.9	28.2	28.2	59.3	59.3	4.1	4.1	17.4	8							
IM3	Cloudy	Moderate	13:15	7.6	Surface	1.0	0.0	0	28.1	28.1	7.9	7.9	25.2	25.2	79.8	79.8	5.4	5.4	4.4	6	7	818763	805589				
						1.0	0.0	0	28.1	28.1	7.9	7.9	25.2	25.2	79.8	79.8	5.4	5.4	4.4	6							
					Middle	3.8	-	0	27.0	27.0	7.8	7.8	26.6	26.6	53.6	53.7	3.7	3.7	9.7	6				9.5			
						3.8	-	0	27.0	27.0	7.8	7.8	26.6	26.6	53.8	53.8	3.7	3.7	9.8	7							
					Bottom	6.6	0.0	0	26.4	26.4	7.9	7.9	28.2	28.2	57.6	57.7	4.0	4.0	14.4	8							
						6.6	0.0	0	26.4	26.4	7.9	7.9	28.1	28.2	57.8	57.8	4.0	4.0	14.0	8							
IM4	Cloudy	Moderate	13:04	9.4	Surface	1.0	0.0	0	27.4	27.4	7.9	7.9	25.9	25.9	63.8	63.8	4.4	4.4	8.7	11	11	819719	804603				
						1.0	0.0	0	27.4	27.4	7.9	7.9	25.9	25.9	63.8	63.8	4.4	4.4	8.7	10							
					Middle	4.7	-	0	26.9	26.9	7.9	7.9	26.9	26.9	60.5	60.5	4.2	4.2	9.2	10				11.2			
						4.7	-	0	26.9	26.9	7.9	7.9	26.9	26.9	60.5	60.5	4.2	4.2	9.2	12							
					Bottom	8.4	0.0	0	26.5	26.5	7.9	7.9	27.8	27.8	54.5	54.6	3.8	3.8	15.8	12							
						8.4	0.0	0	26.5	26.5	7.9	7.9	27.8	27.8	54.6	54.6	3.8	3.8	15.7	11							
IM5	Cloudy	Moderate	12:55	8.6	Surface	1.0	0.0	0	27.5	27.5	7.9	7.9	25.6	25.6	69.6	69.6	4.8	4.8	7.2	9	10	820745	804879				
						1.0	0.0	0	27.5	27.5	7.9	7.9	25.6	25.6	69.5	69.5	4.8	4.8	7.2	10							
					Middle	4.3	-	0	26.9	26.9	7.9	7.9	26.8	26.8	61.2	61.2	4.2	4.2	10.8	9				11.5			
						4.3	-	0	26.9	26.9	7.9	7.9	26.9	26.9	61.2	61.2	4.2	4.2	10.9	10							
					Bottom	7.6	0.0	0	26.6	26.6	7.9	7.9	27.5	27.5	56.8	56.9	3.9	3.9	16.1	10							
						7.6	0.0	0	26.6	26.6	7.9	7.9	27.5	27.5	56.9	56.9	3.9	3.9	16.7	11							
IM6	Cloudy	Moderate	12:47	8.1	Surface	1.0	0.0	0	28.0	28.0	7.9	7.9	24.4	24.4	76.1	76.1	5.2	5.2	5.4	8	9	821058	805821				
						1.0	0.0	0	28.0	28.0	7.9	7.9	24.4	24.4	76.0	76.0	5.2	5.2	5.3	8							
					Middle	4.1	-	0	27.3	27.3	7.9	7.9	26.1	26.1	65.7	65.7	4.5	4.5	8.9	8				11.0			
						4.1	-	0	27.3	27.3	7.9	7.9	26.1	26.1	65.6	65.6	4.5	4.5	9.0	9							
					Bottom	7.1	0.0	0	27.0	27.0	7.9	7.9	26.6	26.6	61.3	61.3	4.2	4.2	18.7	9							
						7.1	0.0	0	27.0	27.0	7.9	7.9	26.6	26.6	61.3	61.3	4.2	4.2	18.8	9							
IM7	Cloudy	Moderate	12:38	9.2	Surface	1.0	0.0	0	28.0	28.0	7.9	7.9	24.3	24.3	74.3	74.2	5.1	5.1	6.7	9	12	821361	806819				
						1.0	0.0	0	27.9	28.0	7.9	7.9	24.3	24.3	74.0	74.0	5.1	5.1	6.9	10							
					Middle	4.6	-	0	27.6	27.6	7.9	7.9	25.5	25.4	67.4	67.4	4.6	4.6	9.1	12				9.1			
						4.6	-	0	27.6	27.6	7.9	7.9	25.4	25.4	67.3	67.3	4.6	4.6	9.3	12							
					Bottom	8.2	0.0	0	27.2	27.2	7.9	7.9	26.2	26.2	61.9	62.0	4.2	4.2	11.0	14							
						8.2	0.0	0	27.2	27.2	7.9	7.9	26.2	26.2	62.0	62.0	4.3	4.3	11.5	12							
IM8	Fine	Moderate	13:05	7.6	Surface	1.0	0.0	0	28.7	28.7	8.4	8.4	25.2	25.2	83.7	83.6	5.6	5.6	5.9	7	7	821850	808137				
						1.0	0.0	0	28.7	28.7	8.4	8.4	25.2	25.2	83.4	83.4	5.6	5.6	5.9	7							
					Middle	3.8	-	0	28.0	28.0	8.4	8.4	26.7	26.7	68.5	68.6	4.6	4.6	10.0	6				10.0			
						3.8	-	0	28.0	28.0	8.4	8.4	26.7	26.7	68.6	68.6	4.6	4.6	10.4	7							
					Bottom	6.6	0.0	0	27.9	27.9	8.4	8.4	27.2	27.2	68.4	68.5	4.6	4.6	13.9	7							
						6.6	0.0	0	27.9	27.9	8.4	8.4	27.2	27.2	68.6	68.6	4.6	4.6	13.8	6							

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 10 August 21 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					
IM9	Fine	Moderate	13:11	6.8	Surface	1.0	0.0	0	28.4	28.4	8.4	8.4	25.7	25.7	78.4	78.4	5.3	5.3	6.7	7	6	822088	808816				
						1.0	0.0	0	28.4	28.4	8.4	8.4	25.7	25.7	78.4	78.4	5.3	5.3	6.7	8							
					Middle	3.4	-	0	27.9	27.9	8.4	8.4	26.9	26.9	65.6	65.6	4.5	4.5	9.4	7				9.2			
						3.4	-	0	27.9	27.9	8.4	8.4	26.9	26.9	65.9	65.9	4.5	4.5	9.4	6							
					Bottom	5.8	0.0	0	27.8	27.8	8.4	8.4	27.3	27.3	65.9	66.1	4.5	4.5	11.5	5				6			
						5.8	0.0	0	27.8	27.8	8.4	8.4	27.3	27.3	66.3	66.3	4.5	4.5	11.4	5							
IM10	Fine	Moderate	13:18	7.5	Surface	1.0	0.0	0	28.9	28.9	8.4	8.4	25.2	25.2	89.6	89.5	6.0	6.0	5.2	5	6	822379	809778				
						1.0	0.0	0	28.8	28.8	8.4	8.4	25.2	25.2	89.4	89.4	6.0	6.0	5.2	6							
					Middle	3.8	-	0	28.2	28.2	8.4	8.4	26.7	26.6	76.9	77.3	5.2	5.2	16.6	7				15.2			
						3.8	-	0	28.2	28.2	8.4	8.4	26.6	26.6	77.6	77.6	5.2	5.2	16.9	6							
					Bottom	6.5	0.0	0	28.0	28.0	8.4	8.4	27.1	27.1	70.9	71.0	4.8	4.8	23.1	6				6			
						6.5	0.0	0	28.0	28.0	8.4	8.4	27.1	27.1	71.0	71.0	4.8	4.8	24.4	7							
IM11	Fine	Moderate	13:27	8.4	Surface	1.0	0.0	0	28.4	28.4	8.4	8.4	25.6	25.7	82.9	82.9	5.6	5.6	5.3	5	5	822079	811442				
						1.0	0.0	0	28.4	28.4	8.4	8.4	25.8	25.7	82.8	82.8	5.6	5.6	5.3	6							
					Middle	4.2	-	0	28.1	28.1	8.4	8.4	26.6	26.6	74.6	74.6	5.0	5.0	12.5	5				11.0			
						4.2	-	0	28.1	28.1	8.4	8.4	26.6	26.6	74.6	74.6	5.0	5.0	12.5	5							
					Bottom	7.4	0.0	0	27.8	27.8	8.4	8.4	27.2	27.2	71.1	71.4	4.8	4.8	14.9	4				5			
						7.4	0.0	0	27.8	27.8	8.4	8.4	27.2	27.2	71.6	71.6	4.8	4.8	15.3	4							
IM12	Fine	Moderate	13:32	8.6	Surface	1.0	0.0	0	28.3	28.3	8.4	8.4	25.7	25.8	85.4	85.3	5.8	5.8	4.3	7	6	821474	812051				
						1.0	0.0	0	28.3	28.3	8.4	8.4	25.8	25.8	85.2	85.2	5.8	5.8	4.4	6							
					Middle	4.3	-	0	28.1	28.1	8.4	8.4	26.3	26.3	70.3	70.4	4.8	4.8	10.4	6				13.8			
						4.3	-	0	28.1	28.1	8.4	8.4	26.3	26.3	70.4	70.4	4.8	4.8	10.2	5							
					Bottom	7.6	0.0	0	27.5	27.5	8.4	8.4	27.6	27.6	63.3	63.3	4.3	4.3	27.7	5				6			
						7.6	0.0	0	27.5	27.5	8.4	8.4	27.6	27.6	63.3	63.3	4.3	4.3	26.0	4							
SR1A	Fine	Moderate	14:01	5.1	Surface	1.0	-	-	28.3	28.3	8.4	8.4	26.1	26.1	75.1	75.0	5.1	5.1	8.1	6	6	819979	812655				
						1.0	-	-	28.3	28.3	8.4	8.4	26.1	26.1	74.8	74.8	5.1	5.1	8.2	6							
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	8.9	6
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.1	-	-	27.5	27.5	8.4	8.4	27.7	27.7	62.8	62.9	4.3	4.3	9.7	6				6			
						4.1	-	-	27.5	27.5	8.4	8.4	27.7	27.7	62.9	62.9	4.3	4.3	9.7	6							
SR2	Fine	Moderate	14:15	4.8	Surface	1.0	0.0	0	27.8	27.8	8.4	8.4	26.9	26.9	70.0	70.0	4.7	4.7	10.2	4	5	821471	814181				
						1.0	0.0	0	27.8	27.8	8.4	8.4	26.9	26.9	69.9	69.9	4.7	4.7	10.2	6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	10.6	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.8	0.0	0	27.8	27.8	8.4	8.4	27.1	27.1	69.5	69.6	4.7	4.7	10.9	5				6			
						3.8	0.0	0	27.8	27.8	8.4	8.4	27.1	27.1	69.6	69.6	4.7	4.7	10.9	5							
SR3	Fine	Moderate	12:59	8.9	Surface	1.0	0.0	0	28.4	28.4	8.4	8.4	25.5	25.6	75.9	75.8	5.1	5.1	7.5	10	9	822147	807566				
						1.0	0.0	0	28.3	28.3	8.4	8.4	25.7	25.7	75.6	75.6	5.1	5.1	7.9	9							
					Middle	4.5	-	0	27.8	27.8	8.4	8.4	27.1	27.1	64.5	64.4	4.4	4.4	10.4	9				10.2			
						4.5	-	0	27.8	27.8	8.4	8.4	27.1	27.1	64.3	64.3	4.3	4.3	10.7	9							
					Bottom	7.9	0.0	0	27.8	27.8	8.4	8.4	27.2	27.2	64.2	64.2	4.3	4.3	12.4	8				6			
						7.9	0.0	0	27.8	27.8	8.4	8.4	27.2	27.2	64.2	64.2	4.3	4.3	12.2	7							
SR4A	Cloudy	Moderate	14:14	8.3	Surface	1.0	0.0	0	27.7	27.7	7.9	7.9	25.9	26.0	74.3	74.2	5.1	5.1	6.7	8	9	817198	807817				
						1.0	0.0	0	27.6	27.6	7.9	7.9	26.0	26.0	74.1	74.1	5.1	5.1	6.7	8							
					Middle	4.2	-	0	27.1	27.1	7.9	7.9	27.0	27.0	62.3	62.4	4.3	4.3	7.8	8				8.7			
						4.2	-	0	27.1	27.1	7.9	7.9	27.0	27.0	62.4	62.4	4.3	4.3	7.9	9							
					Bottom	7.3	0.0	0	26.8	26.8	7.8	7.8	27.3	27.3	54.0	54.2	3.7	3.7	11.5	9				6			
						7.3	0.0	0	26.8	26.8	7.8	7.8	27.3	27.3	54.3	54.3	3.7	3.7	11.5	10							
SR5A	Cloudy	Moderate	14:34	4.1	Surface	1.0	0.0	0	27.8	27.8	7.9	7.9	24.9	24.9	68.8	68.8	4.7	4.7	7.5	8	9	816615	810713				
						1.0	0.0	0	27.8	27.8	7.9	7.9	24.9	24.9	68.7	68.7	4.7	4.7	7.5	7							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	11.4	9
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.1	0.0	0	27.6	27.6	7.8	7.8	25.4	25.4	64.7	64.7	4.4	4.4	15.2	9				6			
						3.1	0.0	0	27.6	27.6	7.8	7.8	25.4	25.4	64.7	64.7	4.4	4.4	15.3	10							
SR6A	Cloudy	Moderate	15:04	4.2	Surface	1.0	0.0	0	27.4	27.4	7.9	7.9	25.0	25.0	60.1	60.1	4.1	4.1	14.7	23	22	817953	814721				
						1.0	0.0	0	27.4	27.4	7.9	7.9	25.0	25.0	60.0	60.0	4.1	4.1	14.7	24							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	15.1	6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.2	0.0	0	27.1	27.1	7.8	7.8	26.0	25.9	54.4	54.5	3.7	3.8	15.4	21				6			
						3.2	0.0	0	27.1	27.1	7.8	7.8	25.9	25.9	54.5	54.5	3.8	3.8	15.5	20							
SR7	Fine	Moderate	14:56	14.6	Surface	1.0	0.0	0	28.0	28.0	8.4	8.4	26.8	26.8	86.9	86.8	5.9	5.9	4.5	6	6	823654	823730				
						1.0	0.0	0	28.0	28.0	8.4	8.4	26.8	26.8	86.6	86.6	5.8	5.8	4.5	5							
					Middle	7.3	-	0	27.6	27.6	8.4	8.4	27.5	27.5	79.3	79.1	5.4	5.4	5.5	6				5.2			
						7.3	-	0	27.6	27.6	8.4	8.4	27.5	27.5	78.9	78.9	5.3	5.3	5.5	6							
					Bottom	13.6	0.0	0	27.5	27.5	8.4	8.4	27.8	27.8	77.1	77.1	5.2	5.2	5.6	6				6			
						13.6	0.0	0	27.5	27.5	8.4	8.4	27.8	27.8	77.1	77.1	5.2	5.2	5.6	6							
SR8	Fine	Moderate	13:40	4.8	Surface	1.0	-	-	28.9	28.9	8.4	8.4	25.9	25.9	80.8	80.8	5.4	5.4	6.8	8	8	820367	811640				
						1.0	-	-	28.9	28.9	8.4	8.4	25.9	25.9	80.8	80.8	5.4	5.4	7.1	8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	9.1	8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.8	-	-	28.2	28.2	8.4	8.4	26.3	26.3	74.8	74.9	5.0	5.1	11.2	7				6			
						3.8	-	-	28.2	28.2	8.4	8.4	26														

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

**Water Quality Monitoring Results on 10 August 21 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	07:09	9.1	Surface	1.0	0.0	0	26.7	26.7	7.9	7.9	27.5	27.5	62.8	62.7	4.3	4.3	5.8	10	9	815598	804265			
						1.0	0.0	0	26.7	26.7	7.9	7.9	27.5	62.6	62.7	4.3	4.3	5.9	10							
					Middle	4.6	-	0	25.9	25.9	7.9	7.9	29.1	29.1	52.9	52.9	3.7	3.7	10.3	9						
						4.6	-	0	25.9	25.9	7.9	7.9	29.1	29.1	52.8	52.8	3.6	3.6	10.6	9						
					Bottom	8.1	0.0	0	25.7	25.7	7.9	7.9	29.6	29.6	52.8	52.9	3.7	3.7	11.3	8						
						8.1	0.0	0	25.7	25.7	7.9	7.9	29.6	29.6	52.9	52.9	3.7	3.7	11.2	9						
C2	Fine	Moderate	08:46	11.8	Surface	1.0	0.0	0	28.7	28.7	8.4	8.4	23.8	23.8	77.8	77.8	5.3	5.3	4.7	3	4	825658	806960			
						1.0	0.0	0	28.7	28.7	8.4	8.4	23.8	77.7	77.8	5.3	5.1	4.7	4							
					Middle	5.9	-	0	28.3	28.3	8.4	8.4	25.5	25.5	72.1	72.0	4.9	4.9	6.1	3						
						5.9	-	0	28.3	28.3	8.4	8.4	25.5	71.8	72.0	4.9	4.9	6.2	4							
					Bottom	10.8	0.0	0	27.4	27.5	8.4	8.4	27.9	27.8	56.2	56.3	3.8	3.8	24.0	5						
						10.8	0.0	0	27.5	27.5	8.4	8.4	27.8	56.4	56.4	3.8	3.8	26.4	4							
C3	Fine	Moderate	06:46	12.2	Surface	1.0	0.0	0	28.2	28.2	8.4	8.4	25.5	25.6	78.2	78.2	5.3	5.3	4.6	4	4	822088	817790			
						1.0	0.0	0	28.2	28.2	8.4	8.4	25.6	78.2	78.2	5.3	5.0	4.6	5							
					Middle	6.1	-	0	27.8	27.8	8.4	8.4	27.0	27.0	69.0	68.8	4.7	4.7	5.4	5						
						6.1	-	0	27.8	27.8	8.4	8.4	27.0	68.6	68.8	4.6	4.6	6.1	4							
					Bottom	11.2	0.0	0	26.1	26.1	8.4	8.4	30.5	30.5	57.6	57.7	3.9	3.9	11.5	3						
						11.2	0.0	0	26.1	26.1	8.4	8.4	30.5	57.7	57.7	3.9	3.9	11.1	4							
IM1	Cloudy	Moderate	06:48	5.8	Surface	1.0	0.0	0	27.7	27.7	7.9	7.9	25.0	25.0	70.5	70.5	4.8	4.8	7.1	11	9	817964	807134			
						1.0	0.0	0	27.7	27.7	7.9	7.9	25.0	70.4	70.5	4.8	4.8	7.2	10							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.8	0.0	0	27.7	27.7	7.9	7.9	25.2	25.2	70.4	70.5	4.8	4.8	10.6	9						
						4.8	0.0	0	27.7	27.7	7.9	7.9	25.2	70.6	70.6	4.8	4.8	10.7	7							
IM2	Cloudy	Moderate	06:40	7.8	Surface	1.0	0.0	0	27.6	27.6	7.9	7.9	25.2	25.2	72.5	72.5	5.0	5.0	6.7	6	6	818155	806148			
						1.0	0.0	0	27.6	27.6	7.9	7.9	25.2	72.4	72.5	5.0	4.7	7.0	6							
					Middle	3.9	-	0	27.4	27.4	7.9	7.9	25.7	64.3	64.2	4.4	4.4	10.3	7							
						3.9	-	0	27.4	27.4	7.9	7.9	25.7	64.1	64.2	4.4	4.4	10.4	6							
					Bottom	6.8	0.0	0	27.4	27.4	7.9	7.9	25.8	62.9	62.9	4.3	4.3	19.8	6							
						6.8	0.0	0	27.4	27.4	7.9	7.9	25.8	62.9	62.9	4.3	4.3	19.1	7							
IM3	Cloudy	Moderate	06:32	8.0	Surface	1.0	0.0	0	27.7	27.7	7.9	7.9	25.1	25.1	72.5	72.4	5.0	5.0	6.0	7	7	818772	805610			
						1.0	0.0	0	27.7	27.7	7.9	7.9	25.1	72.3	72.4	5.0	4.6	6.0	6							
					Middle	4.0	-	0	27.3	27.3	7.9	7.9	26.1	61.4	61.4	4.2	4.2	12.1	7							
						4.0	-	0	27.3	27.3	7.9	7.9	26.1	61.3	61.3	4.2	4.2	11.9	6							
					Bottom	7.0	0.0	0	27.3	27.3	7.9	7.9	26.2	61.5	61.5	4.2	4.2	15.4	8							
						7.0	0.0	0	27.3	27.3	7.9	7.9	26.2	61.6	61.6	4.2	4.2	15.3	8							
IM4	Cloudy	Moderate	06:20	8.8	Surface	1.0	0.0	0	27.6	27.6	7.9	7.9	25.0	25.0	72.2	72.1	5.0	5.0	5.6	6	6	819738	804630			
						1.0	0.0	0	27.6	27.6	7.9	7.9	25.0	72.0	72.0	4.9	4.5	5.6	5							
					Middle	4.4	-	0	27.1	27.1	7.9	7.9	26.2	59.2	59.3	4.1	4.1	11.6	5							
						4.4	-	0	27.1	27.1	7.9	7.9	26.1	59.3	59.3	4.1	4.1	11.5	6							
					Bottom	7.8	0.0	0	26.8	26.8	7.9	7.9	27.1	57.3	57.5	3.9	3.9	15.3	6							
						7.8	0.0	0	26.8	26.8	7.9	7.9	27.1	57.6	57.6	4.0	4.0	15.6	6							
IM5	Cloudy	Moderate	06:06	7.2	Surface	1.0	0.0	0	27.6	27.6	7.9	7.9	24.8	24.8	67.5	67.5	4.6	4.6	6.8	6	8	820752	804885			
						1.0	0.0	0	27.6	27.6	7.9	7.9	24.8	67.4	67.4	4.6	4.4	6.8	7							
					Middle	3.6	-	0	27.2	27.2	7.8	7.8	26.0	59.0	59.0	4.1	4.1	10.6	7							
						3.6	-	0	27.2	27.2	7.8	7.8	26.0	59.0	59.0	4.1	4.1	10.8	8							
					Bottom	6.2	0.0	0	27.0	27.0	7.8	7.8	26.4	57.1	57.1	3.9	3.9	15.6	8							
						6.2	0.0	0	27.0	27.0	7.8	7.8	26.4	57.1	57.1	3.9	3.9	15.5	9							
IM6	Cloudy	Moderate	05:55	8.2	Surface	1.0	0.0	0	27.9	27.9	7.9	7.9	23.5	23.5	71.1	71.1	4.9	4.9	4.4	4	8	821075	805850			
						1.0	0.0	0	27.9	27.9	7.9	7.9	23.5	71.0	71.0	4.9	4.6	4.4	4							
					Middle	4.1	-	0	27.3	27.4	7.9	7.9	25.4	61.6	61.7	4.2	4.2	10.5	8							
						4.1	-	0	27.4	27.4	7.9	7.9	25.4	61.7	61.7	4.2	4.2	10.3	7							
					Bottom	7.2	0.0	0	27.0	27.0	7.8	7.8	26.6	55.5	55.6	3.8	3.8	14.6	11							
						7.2	0.0	0	27.0	27.0	7.8	7.8	26.6	55.6	55.6	3.8	3.8	14.8	10							
IM7	Cloudy	Moderate	05:47	8.3	Surface	1.0	0.0	0	28.0	28.0	7.9	7.9	22.8	22.8	73.5	73.5	5.1	5.1	3.9	5	6	821337	806842			
						1.0	0.0	0	28.0	28.0	7.9	7.9	22.8	73.4	73.5	5.1	4.9	3.9	5							
					Middle	4.2	-	0	27.8	27.8	7.9	7.9	23.7	66.8	66.8	4.6	4.6	4.7	6							
						4.2	-	0	27.8	27.8	7.9	7.9	23.7	66.7	66.7	4.6	4.6	4.7	5							
					Bottom	7.3	0.0	0	27.7	27.7	7.8	7.8	24.3	62.1	62.1	4.3	4.3	12.7	6							
						7.3	0.0	0	27.7	27.7	7.8	7.8	24.3	62.0	62.0	4.3	4.3	14.0	6							
IM8	Fine	Moderate	08:22	8.1	Surface	1.0	0.0	0	28.6	28.6	8.4	8.4	24.2	24.2	81.4	81.6	5.5	5.5	4.5	4	5	821821	808149			
						1.0	0.0	0	28.6	28.6	8.4	8.4	24.2	81.7	81.7	5.5	5.3	4.4	3							
					Middle	4.1	-	0	28.5	28.5	8.3	8.3	24.8	75.0	75.0	5.1	5.1	5.8	4							
						4.1	-	0	28.5	28.5	8.3	8.3	24.8	75.0	75.0	5.1	5.1	5.8	5							
					Bottom	7.1	0.0	0	28.4	28.4	8.3	8.3	25.2	74.8	74.9	5.1	5.1	9.0	6							
						7.1	0.0	0	28.4	28.4	8.3	8.3	25.2	74.9	74.9	5.1	5.1	8.7	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 10 August 21 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					
IM9	Fine	Moderate	08:16	7.3	Surface	1.0	0.0	0	28.5	28.5	8.3	8.3	24.9	24.9	72.5	72.5	4.9	4.9	10.3	10	12	822073	808806				
						1.0	0.0	0	28.5	28.5	8.3	8.3	24.9	24.9	72.5	72.5	4.9	4.9	10.1	10							
					Middle	3.7	-	0	28.5	28.5	8.3	8.3	25.0	25.0	72.6	72.7	4.9	4.9	15.8	12							
						3.7	-	0	28.5	28.5	8.3	8.3	25.0	25.0	72.7	72.7	4.9	4.9	15.3	11							
					Bottom	6.3	0.0	0	28.5	28.5	8.3	8.3	25.0	25.0	73.7	73.9	5.0	5.0	17.9	13							
						6.3	0.0	0	28.5	28.5	8.3	8.3	25.0	25.0	74.0	74.0	5.0	5.0	16.6	13							
IM10	Fine	Moderate	08:09	7.9	Surface	1.0	0.0	0	28.4	28.5	8.4	8.4	25.0	24.9	72.8	75.2	4.9	4.9	8.7	5	8	822400	809810				
						1.0	0.0	0	28.5	28.5	8.4	8.4	24.9	24.9	77.5	77.5	5.2	5.2	7.7	6							
					Middle	4.0	-	0	28.2	28.2	8.3	8.3	26.2	26.2	68.1	68.1	4.6	4.6	16.0	8							
						4.0	-	0	28.2	28.2	8.3	8.3	26.2	26.2	68.1	68.1	4.6	4.6	16.0	8							
					Bottom	6.9	0.0	0	28.1	28.1	8.3	8.3	26.4	26.4	68.7	68.8	4.6	4.6	19.6	9							
						6.9	0.0	0	28.1	28.1	8.3	8.3	26.4	26.4	68.8	68.8	4.6	4.6	19.7	9							
IM11	Fine	Moderate	08:01	9.4	Surface	1.0	0.0	0	28.1	28.1	8.4	8.4	26.1	26.1	69.5	69.3	4.7	4.7	6.4	5	5	822074	811451				
						1.0	0.0	0	28.0	28.0	8.4	8.4	26.2	26.2	69.1	69.1	4.7	4.7	6.3	4							
					Middle	4.7	-	0	27.9	27.9	8.4	8.4	26.6	26.6	67.8	67.9	4.6	4.6	6.3	5							
						4.7	-	0	27.9	27.9	8.4	8.4	26.6	26.6	67.9	67.9	4.6	4.6	6.3	5							
					Bottom	8.4	0.0	0	26.9	26.9	8.4	8.4	28.8	28.8	58.6	58.7	4.0	4.0	21.9	6							
						8.4	0.0	0	26.9	26.9	8.4	8.4	28.9	28.9	58.7	58.7	4.0	4.0	22.6	5							
IM12	Fine	Moderate	07:53	8.6	Surface	1.0	0.0	0	28.3	28.3	8.4	8.4	25.4	25.4	77.2	77.2	5.2	5.2	5.2	4	5	821450	812023				
						1.0	0.0	0	28.3	28.3	8.4	8.4	25.4	25.4	77.1	77.1	5.2	5.2	5.8	4							
					Middle	4.3	-	0	27.9	27.9	8.4	8.4	26.7	26.7	69.1	69.1	4.7	4.7	10.1	4							
						4.3	-	0	27.9	27.9	8.4	8.4	26.7	26.7	69.1	69.1	4.7	4.7	9.9	5							
					Bottom	7.6	0.0	0	27.5	27.5	8.4	8.4	27.5	27.5	64.6	64.6	4.4	4.4	11.4	5							
						7.6	0.0	0	27.5	27.5	8.4	8.4	27.6	27.6	64.5	64.5	4.4	4.4	12.4	5							
SR1A	Fine	Moderate	07:22	5.8	Surface	1.0	-	-	28.5	28.5	8.3	8.3	24.3	24.4	79.6	79.5	5.4	5.4	5.8	4	5	819977	812664				
						1.0	-	-	28.5	28.5	8.3	8.3	24.4	24.4	79.4	79.4	5.4	5.4	6.1	3							
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.8	-	-	28.3	28.3	8.3	8.3	25.2	25.2	70.6	70.8	4.8	4.8	5.9	5							
						4.8	-	-	28.3	28.3	8.3	8.3	25.2	25.2	71.0	71.0	4.8	4.8	5.8	6							
SR2	Fine	Moderate	07:07	4.6	Surface	1.0	0.0	0	28.1	28.1	8.4	8.4	25.9	25.9	72.4	72.4	4.9	4.9	7.3	6	6	821458	814178				
						1.0	0.0	0	28.1	28.1	8.4	8.4	25.9	25.9	72.3	72.3	4.9	4.9	7.4	6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.6	0.0	0	27.9	27.9	8.4	8.4	26.4	26.4	71.7	71.8	4.9	4.9	8.8	6							
						3.6	0.0	0	27.9	27.9	8.4	8.4	26.4	26.4	71.9	71.9	4.9	4.9	8.9	6							
SR3	Fine	Moderate	08:28	8.9	Surface	1.0	0.0	0	28.6	28.6	8.4	8.4	24.2	24.2	81.3	81.3	5.5	5.5	4.8	5	5	822156	807577				
						1.0	0.0	0	28.6	28.6	8.4	8.4	24.2	24.2	81.2	81.2	5.5	5.5	4.8	4							
					Middle	4.5	-	0	28.5	28.5	8.4	8.4	24.7	24.6	78.2	78.3	5.3	5.3	5.6	4							
						4.5	-	0	28.5	28.5	8.4	8.4	24.6	24.6	78.4	78.4	5.3	5.3	5.5	5							
					Bottom	7.9	0.0	0	28.3	28.3	8.4	8.3	25.4	25.4	73.7	73.8	5.0	5.0	12.1	5							
						7.9	0.0	0	28.3	28.3	8.3	8.3	25.4	25.4	73.8	73.8	5.0	5.0	12.3	4							
SR4A	Cloudy	Moderate	07:28	9.0	Surface	1.0	0.0	0	27.6	27.6	7.9	7.9	25.6	25.6	67.2	67.2	4.6	4.6	8.9	10	10	817186	807827				
						1.0	0.0	0	27.6	27.6	7.9	7.9	25.6	25.6	67.2	67.2	4.6	4.6	8.9	11							
					Middle	4.5	-	0	27.4	27.4	7.9	7.9	26.1	26.1	61.7	61.7	4.2	4.2	10.8	9							
						4.5	-	0	27.4	27.4	7.9	7.9	26.1	26.1	61.6	61.6	4.2	4.2	10.9	10							
					Bottom	8.0	0.0	0	27.3	27.3	7.9	7.9	26.1	26.1	61.8	61.9	4.2	4.2	12.5	9							
						8.0	0.0	0	27.3	27.3	7.9	7.9	26.1	26.1	61.9	61.9	4.2	4.2	12.5	9							
SR5A	Cloudy	Moderate	07:43	3.8	Surface	1.0	0.0	0	27.8	27.8	7.8	7.8	24.6	24.6	64.8	64.8	4.4	4.4	7.3	7	10	816572	810696				
						1.0	0.0	0	27.8	27.8	7.8	7.8	24.6	24.6	64.8	64.8	4.4	4.4	7.3	9							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	2.8	0.0	0	27.7	27.7	7.8	7.8	24.7	24.7	65.0	65.1	4.5	4.5	12.1	11							
						2.8	0.0	0	27.7	27.7	7.8	7.8	24.7	24.7	65.2	65.2	4.5	4.5	12.0	13							
SR6A	Cloudy	Moderate	08:10	4.6	Surface	1.0	0.0	0	27.8	27.8	7.9	7.9	24.5	24.5	70.6	70.5	4.8	4.8	8.8	6	6	817979	814742				
						1.0	0.0	0	27.8	27.8	7.9	7.9	24.5	24.5	70.3	70.3	4.8	4.8	9.3	6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.6	0.0	0	27.7	27.7	7.9	7.9	24.6	24.6	69.8	69.9	4.8	4.8	12.0	5							
						3.6	0.0	0	27.7	27.7	7.9	7.9	24.6	24.6	70.0	70.0	4.8	4.8	11.8	6							
SR7	Fine	Moderate	06:18	14.6	Surface	1.0	0.0	0	27.8	27.8	8.4	8.4	26.8	26.8	75.9	75.9	5.1	5.1	4.3	3	3	823621	823762				
						1.0	0.0	0	27.8	27.8	8.4	8.4	26.8	26.8	75.8	75.8	5.1	5.1	4.3	4							
					Middle	7.3	-	0	27.2	27.2	8.4	8.4	28.1	28.1	67.1	67.1	5.1	5.1	4.6	3							
						7.3	-	0	27.2	27.2	8.4	8.4	28.1	28.1	67.0	67.0	5.2	5.2	4.6	4							
					Bottom	13.6	0.0	0	26.5	26.5	8.4	8.4	29.7	29.7	59.9	60.0	4.1	4.1	5.7	3							
						13.6	0.0	0	26.5	26.5	8.4	8.4	29.7	29.7	60.0	60.0	4.1	4.1	5.8	3							
SR8	Fine	Moderate	07:44	4.8	Surface	1.0	-	-	28.5	28.5	8.4	8.4	24.9	24.9	75.8	75.8	5.1	5.1	10.2	5	5	820392	811600				
						1.0	-	-	28.5	28.5	8.4	8.4	24.9	24.9	75.8	75.8	5.1	5.1	10.3	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.8	-	-	28.2	28.2	8.4	8.4	26.1	26.1	71.1	71.3	4.8	4.8	17.7	6							
						3.8	-	-	28.2	28.2	8.4	8.4	26.1	26.1	71.4	71.4	4.8	4.8	17.7	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 12 August 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Cloudy	Moderate	15:17	7.5	Surface	1.0	0.3	215	28.8	28.8	7.9	7.9	26.3	26.3	91.2	91.2	6.1	6.1	4.5	8	7	815624	804245					
						1.0	0.3	226	28.8	28.8	7.9	7.9	26.3	26.3	91.1	91.1	5.6	5.6	4.5	7								
					Middle	3.8	0.3	206	27.3	27.3	7.9	7.9	29.2	29.2	75.5	75.4	5.1	5.1	4.2	7								
						3.8	0.3	222	27.3	27.3	7.9	7.9	29.2	29.2	75.3	75.3	5.1	5.1	4.1	6								
					Bottom	6.5	0.3	223	26.6	26.6	7.9	7.9	30.9	30.9	62.9	62.9	4.3	4.3	3.2	6								
						6.5	0.3	235	26.6	26.6	7.9	7.9	30.9	30.9	62.9	62.9	4.3	4.3	3.3	6								
C2	Fine	Calm	13:51	12.6	Surface	1.0	0.7	153	29.1	29.1	8.4	8.2	23.2	23.2	83.4	83.3	5.7	5.7	6.3	6	5	825660	806952					
						1.0	0.7	159	29.0	29.0	8.0	8.0	23.2	23.2	83.1	83.1	5.6	5.6	6.2	5								
					Middle	6.3	0.5	152	28.0	28.0	8.4	8.4	26.4	26.4	69.2	69.1	4.7	4.7	7.3	6								
						6.3	0.5	164	28.0	28.0	8.4	8.4	26.4	26.4	68.9	68.9	4.7	4.7	7.3	5								
					Bottom	11.6	0.4	148	27.8	27.8	8.4	8.4	27.2	27.1	68.2	68.3	4.6	4.6	8.1	5								
						11.6	0.4	149	27.8	27.8	8.4	8.4	27.1	27.1	68.3	68.3	4.6	4.6	8.1	4								
C3	Fine	Calm	15:31	12.2	Surface	1.0	0.3	70	28.0	28.0	8.4	8.4	27.2	27.3	87.5	87.2	5.9	5.9	5.1	8	7	822104	817793					
						1.0	0.3	73	27.9	27.9	8.4	8.4	27.4	27.3	86.9	86.9	5.9	5.9	5.1	9								
					Middle	6.1	0.0	262	27.2	27.2	8.4	8.4	28.6	28.6	68.6	68.4	4.6	4.6	6.5	7								
						6.1	0.0	286	27.2	27.2	8.4	8.4	28.6	28.6	68.2	68.2	4.6	4.6	6.5	7								
					Bottom	11.2	0.0	243	27.6	27.7	8.4	8.4	28.1	28.0	69.6	71.9	4.7	4.7	7.7	6								
						11.2	0.0	254	27.7	27.7	8.4	8.4	28.0	28.0	74.1	74.1	5.0	5.0	7.7	6								
IM1	Cloudy	Moderate	14:57	4.2	Surface	1.0	0.1	131	28.5	28.5	7.9	7.9	26.7	26.7	87.2	87.2	5.8	5.8	5.0	8	9	817940	807113					
						1.0	0.1	140	28.5	28.5	7.9	7.9	26.7	26.7	87.1	87.1	5.8	5.8	5.0	7								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	5.3	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.2	0.0	315	26.8	26.8	7.9	7.9	30.4	30.4	72.9	72.9	4.9	4.9	5.7	10								
						3.2	0.0	318	26.8	26.8	7.9	7.9	30.5	30.4	72.9	72.9	4.9	4.9	5.6	10								
IM2	Cloudy	Moderate	14:52	6.5	Surface	1.0	0.1	107	29.1	29.1	7.9	7.9	25.8	25.8	93.3	93.3	6.2	6.2	3.6	9	9	818170	806184					
						1.0	0.1	117	29.1	29.1	7.9	7.9	25.8	25.8	93.2	93.2	6.2	6.2	3.6	8								
					Middle	3.3	0.2	125	27.7	27.7	7.9	7.9	27.9	28.0	74.8	74.6	5.0	5.0	4.7	9								
						3.3	0.2	132	27.6	27.6	7.9	7.9	28.2	28.0	74.4	74.4	5.0	5.0	4.8	8								
					Bottom	5.5	0.1	94	27.2	27.2	7.9	7.9	29.2	29.2	66.6	66.7	4.5	4.5	6.0	10								
						5.5	0.1	101	27.2	27.2	7.9	7.9	29.2	29.2	66.7	66.7	4.5	4.5	6.1	10								
IM3	Cloudy	Moderate	14:46	6.9	Surface	1.0	0.1	211	29.1	29.1	7.9	7.9	25.8	25.8	90.5	90.5	6.0	6.0	3.2	9	9	818803	805617					
						1.0	0.1	231	29.1	29.1	7.9	7.9	25.8	25.8	90.4	90.4	6.0	6.0	3.2	9								
					Middle	3.5	0.2	159	27.8	27.8	7.8	7.8	27.9	27.9	67.0	67.1	4.5	4.5	6.2	9								
						3.5	0.2	168	27.8	27.8	7.8	7.8	27.9	27.9	67.1	67.1	4.5	4.5	6.1	8								
					Bottom	5.9	0.2	130	27.3	27.3	7.9	7.9	29.1	29.1	65.0	65.0	4.4	4.4	6.9	10								
						5.9	0.2	135	27.3	27.3	7.9	7.9	29.1	29.1	65.0	65.0	4.4	4.4	6.9	9								
IM4	Cloudy	Moderate	14:38	7.4	Surface	1.0	0.6	199	28.2	28.2	7.8	7.8	27.1	27.1	69.7	69.8	4.7	4.7	3.8	10	9	819717	804588					
						1.0	0.6	204	28.2	28.2	7.8	7.8	27.1	27.1	69.8	69.8	4.7	4.7	3.8	9								
					Middle	3.7	0.6	195	27.7	27.7	7.8	7.8	28.1	28.1	66.8	66.8	4.5	4.5	4.3	9								
						3.7	0.6	196	27.7	27.7	7.8	7.8	28.1	28.1	66.8	66.8	4.5	4.5	4.3	8								
					Bottom	6.4	0.3	185	27.3	27.3	7.8	7.8	29.1	29.0	64.3	64.3	4.3	4.3	6.0	8								
						6.4	0.3	192	27.3	27.3	7.8	7.8	29.0	29.0	64.3	64.3	4.3	4.3	6.0	8								
IM5	Cloudy	Moderate	14:26	7.9	Surface	1.0	0.4	206	27.8	27.8	7.8	7.8	27.9	27.9	68.2	68.2	4.6	4.6	3.6	4	5	820736	804851					
						1.0	0.5	206	27.8	27.8	7.8	7.8	27.9	27.9	68.2	68.2	4.6	4.6	3.6	5								
					Middle	4.0	0.5	218	27.5	27.5	7.8	7.8	28.6	28.6	66.6	66.6	4.5	4.5	4.9	4								
						4.0	0.6	234	27.5	27.5	7.9	7.9	28.6	28.6	66.6	66.6	4.5	4.5	5.0	5								
					Bottom	6.9	0.4	207	27.1	27.1	7.9	7.9	29.7	29.7	64.4	64.6	4.3	4.4	6.0	4								
						6.9	0.4	217	27.1	27.1	7.9	7.9	29.7	29.7	64.8	64.8	4.4	4.4	6.0	5								
IM6	Cloudy	Moderate	14:16	8.1	Surface	1.0	0.4	220	29.2	29.2	7.9	7.9	24.2	24.2	88.0	88.0	5.9	5.9	3.6	8	6	821054	805805					
						1.0	0.4	236	29.2	29.2	7.9	7.9	24.2	24.2	87.9	87.9	5.9	5.9	3.7	7								
					Middle	4.1	0.3	219	27.8	27.8	7.9	7.9	27.8	27.8	70.6	70.7	4.8	4.8	9.8	6								
						4.1	0.3	222	27.8	27.8	7.9	7.9	27.8	27.8	70.7	70.7	4.8	4.8	9.9	4								
					Bottom	7.1	0.4	249	27.5	27.5	7.9	7.9	28.4	28.4	66.1	66.2	4.5	4.5	6.1	5								
						7.1	0.4	272	27.5	27.5	7.9	7.9	28.4	28.4	66.3	66.3	4.5	4.5	6.1	5								
IM7	Cloudy	Moderate	14:00	8.7	Surface	1.0	0.2	250	28.9	28.9	7.9	7.9	24.6	24.6	79.4	79.4	5.3	5.3	5.6	6	5	821343	806843					
						1.0	0.2	260	28.9	28.9	7.9	7.9	24.6	24.6	79.4	79.4	5.3	5.3	5.6	7								
					Middle	4.4	0.1	241	28.3	28.3	7.9	7.9	26.5	26.5	74.6	74.6	5.0	5.0	6.2	4								
						4.4	0.1	247	28.3	28.3	7.9	7.9	26.5	26.5	74.6	74.6	5.0	5.0	6.3	5								
					Bottom	7.7	0.2	220	27.9	27.9	7.9	7.9	27.3	27.3	71.3	71.4	4.8	4.8	9.3	4								
						7.7	0.2	239	27.9	27.9	7.9	7.9	27.3	27.3	71.4	71.4	4.8	4.8	9.3	4								
IM8	Fine	Calm	14:11	8.2	Surface	1.0	0.1	229	28.8	28.8	8.4	8.4	23.8	23.8	85.9	85.8	5.8	5.8	6.0	6	7	821824	808154					
						1.0	0.1	247	28.7	28.7	8.4	8.4	23.8	23.8	85.6	85.6	5.8	5.8	6.1	7								
					Middle	4.1	0.1	256	28.4	28.4	8.4	8.4	26.0	26.1	75.2	75.2	5.1	5.1	7.9	6								
						4.1	0.1	273	28.4	28.4	8.4	8.4	26.1	26.1	75.1	75.1	5.1	5.1	7.8	7								
					Bottom	7.2	0.1	174	28.3	28.3	8.4	8.4	26.2	26.2	74.8	74.8	5.0	5.0	8.3	8								
						7.2	0.1	181	28.3	28.3	8.4	8.4	26.2	26.2	74.7	74.7	5.0	5.0	8.3	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 12 August 21 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			
IM9	Fine	Calm	14:15	7.2	Surface	1.0	0.2	133	28.6	28.6	8.4	8.4	24.1	24.1	85.5	85.3	5.8	5.8	4.6	8	7	822083	808826		
						1.0	0.2	141	28.5	28.6	8.4	8.4	24.1	24.1	85.0	85.0	5.8	5.8	4.5	7					
						3.6	0.1	89	28.3	28.3	8.4	8.4	26.0	26.0	76.4	74.6	5.2	5.2	7	7					
					Middle	3.6	0.1	92	28.3	28.3	8.4	8.4	26.0	26.0	72.8	74.6	4.9	4.9	5.3	5.3				6	6
						6.2	0.1	51	28.4	28.4	8.4	8.4	26.0	26.0	73.5	73.9	5.0	5.0	6.4	6.4				6	6
						6.2	0.2	56	28.4	28.4	8.4	8.4	26.9	26.0	74.2	73.9	5.0	5.0	6.5	6.5				6	6
IM10	Fine	Calm	14:21	8.0	Surface	1.0	0.4	148	29.2	29.1	8.4	8.4	23.7	23.8	87.0	86.8	6.5	6.5	3.8	8	7	822407	809799		
						1.0	0.5	151	29.0	29.1	8.4	8.4	23.9	23.8	86.6	86.6	6.5	6.5	3.7	8					
						4.0	0.4	132	28.5	28.5	8.4	8.4	24.6	24.7	87.5	86.6	5.9	5.9	4.1	7					
					Middle	4.0	0.5	143	28.4	28.4	8.4	8.4	24.7	24.7	85.7	86.6	5.8	5.8	4.0	6					
						7.0	0.3	134	28.3	28.3	8.4	8.4	26.4	26.3	74.6	75.2	5.0	5.0	5.9	5.9				5	5
						7.0	0.3	144	28.3	28.3	8.4	8.4	26.3	26.3	75.7	75.2	5.1	5.1	5.9	5.9				5	5
IM11	Fine	Calm	14:29	8.8	Surface	1.0	0.3	76	28.3	28.3	8.4	8.4	25.7	25.8	87.4	86.8	5.9	5.9	3.8	6	5	822070	811460		
						1.0	0.3	80	28.2	28.0	8.4	8.4	26.0	26.0	86.1	86.8	5.8	5.8	3.9	7					
						4.4	0.3	80	28.0	28.0	8.4	8.4	26.5	26.5	72.0	71.9	4.9	4.9	4.2	6					
					Middle	4.4	0.3	80	28.0	28.0	8.4	8.4	26.5	26.5	71.7	71.9	4.8	4.8	4.1	5					
						7.8	0.2	88	27.9	27.9	8.4	8.4	26.8	26.7	72.3	72.8	4.9	4.9	5.8	5.8				4	4
						7.8	0.2	93	27.9	27.9	8.4	8.4	26.7	26.7	73.2	72.8	5.0	5.0	5.8	5.8				4	4
IM12	Fine	Calm	14:33	8.8	Surface	1.0	0.2	81	28.6	28.6	8.4	8.4	24.1	24.1	89.8	89.4	6.1	6.1	3.6	6	6	821468	812053		
						1.0	0.3	87	28.5	28.1	8.4	8.4	24.2	24.3	88.9	89.4	6.0	6.0	3.6	6					
						4.4	0.3	102	28.1	28.1	8.4	8.4	26.3	26.3	73.7	73.7	5.0	5.0	4.6	6					
					Middle	4.4	0.3	104	28.1	28.1	8.4	8.4	26.3	26.3	73.6	73.7	5.0	5.0	4.5	6					
						7.8	0.3	114	28.0	28.0	8.4	8.4	26.7	26.7	75.6	76.3	5.1	5.1	5.5	7					
						7.8	0.3	124	28.0	28.0	8.4	8.4	26.7	26.7	77.0	76.3	5.2	5.2	5.6	7					
SR1A	Fine	Calm	15:02	4.8	Surface	1.0	-	-	29.1	29.1	8.4	8.4	24.5	24.5	87.0	87.0	5.8	5.8	5.1	8	8	819980	812665		
						1.0	-	-	29.1	29.1	8.4	8.4	24.6	24.6	87.0	87.0	5.8	5.8	5.1	7					
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						3.8	-	-	29.1	29.1	8.4	8.4	24.5	24.5	87.0	87.0	5.8	5.8	6.5	9					
						3.8	-	-	29.1	29.1	8.4	8.4	24.5	24.5	87.0	87.0	5.8	5.8	6.4	8					
SR2	Fine	Calm	15:14	4.0	Surface	1.0	0.2	204	29.0	29.1	8.4	8.4	24.5	24.5	87.0	87.1	5.8	5.8	2.4	7	6	821463	814183		
						1.0	0.2	210	29.1	29.1	8.4	8.4	24.5	24.5	87.1	87.1	5.8	5.8	2.4	7					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						3.0	0.3	89	29.1	29.1	8.4	8.4	24.5	24.5	87.1	87.1	5.8	5.8	3.2	6					
						3.0	0.3	89	29.1	29.1	8.4	8.4	24.5	24.5	87.1	87.1	5.8	5.8	3.3	5					
SR3	Fine	Calm	14:06	9.4	Surface	1.0	0.2	205	28.8	28.8	8.4	8.4	23.4	23.4	87.4	87.2	5.9	5.9	6.8	8	6	822159	807562		
						1.0	0.2	216	28.7	28.7	8.4	8.4	23.5	23.5	87.0	87.2	5.9	5.9	6.8	7					
						4.7	0.0	266	28.2	28.2	8.4	8.4	26.1	26.1	73.6	73.6	5.0	5.0	7.1	5					
					Middle	4.7	0.0	282	28.1	28.1	8.4	8.4	26.2	26.1	73.5	73.6	5.0	5.0	7.0	6					
						8.4	0.1	187	28.2	28.3	8.4	8.4	26.1	26.0	70.7	71.2	4.8	4.8	8.3	5					
						8.4	0.1	194	28.3	28.3	8.4	8.4	25.9	26.0	71.6	71.2	4.8	4.8	8.2	5					
SR4A	Cloudy	Moderate	15:39	8.4	Surface	1.0	0.1	244	29.7	29.7	8.0	8.0	25.8	25.8	100.1	100.0	6.6	6.6	4.0	3	5	817174	807822		
						1.0	0.1	261	29.7	29.7	8.0	8.0	25.8	25.8	99.9	100.0	6.6	6.6	3.9	4					
						4.2	0.1	40	28.3	28.3	7.8	7.8	26.8	26.8	71.1	71.1	4.8	4.8	4.9	5					
					Middle	4.2	0.1	40	28.3	28.3	7.8	7.8	26.8	26.8	71.1	71.1	4.8	4.8	4.9	4					
						7.4	0.2	65	28.3	28.3	7.8	7.8	26.9	26.9	72.0	72.1	4.8	4.8	10.2	6					
						7.4	0.2	68	28.3	28.3	7.8	7.8	26.9	26.9	72.1	72.1	4.8	4.8	10.2	6					
SR5A	Cloudy	Moderate	15:57	3.8	Surface	1.0	0.1	320	29.2	29.2	7.9	7.9	26.2	26.2	85.1	85.1	5.7	5.7	4.6	5	7	816585	810718		
						1.0	0.1	325	29.2	29.2	7.9	7.9	26.2	26.2	85.1	85.1	5.6	5.6	4.6	6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						2.8	0.1	350	29.0	29.0	7.8	7.8	26.3	26.3	81.2	81.2	5.4	5.4	3.2	8					
						2.8	0.1	322	29.0	29.0	7.8	7.8	26.3	26.3	81.2	81.2	5.4	5.4	3.2	7					
SR6A	Cloudy	Moderate	16:12	4.2	Surface	1.0	0.1	349	29.2	29.2	7.8	7.8	26.2	26.2	83.9	83.9	5.6	5.6	5.4	5	5	817963	814735		
						1.0	0.1	321	29.2	29.2	7.8	7.8	26.2	26.2	83.8	83.9	5.6	5.6	5.4	6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						3.2	0.0	231	28.7	28.7	7.8	7.8	26.4	26.4	75.8	75.9	5.1	5.1	6.3	5					
						3.2	0.0	252	28.7	28.7	7.8	7.8	26.4	26.4	75.9	75.9	5.1	5.1	6.3	4					
SR7	Fine	Calm	15:56	14.0	Surface	1.0	0.1	190	27.8	27.7	8.4	8.4	27.4	27.6	87.8	87.3	5.9	5.9	3.5	7	7	823646	823731		
						1.0	0.1	201	27.6	27.6	8.4	8.4	27.7	27.6	86.8	87.3	5.9	5.9	3.4	6					
						7.0	0.0	237	26.9	26.9	8.4	8.4	28.9	29.0	72.4	72.0	4.9	4.9	4.2	7					
					Middle	7.0	0.0	257	26.8	26.9	8.4	8.4	29.1	29.0	71.5	71.5	4.9	4.9	4.2	7					
						13.0	0.0	243	26.0	26.1	8.4	8.4	30.9	30.9	68.3	69.1	4.7	4.7	5.1	8					
						13.0	0.0	266	26.1	26.1	8.4	8.4	30.9	30.9	69.9	69.9	4.8	4.8	5.1	7					
SR8	Fine	Calm	14:41	4.4	Surface	1.0	-	-	29.1	29.1	8.4	8.4	24.7	24.7	87.0	87.0	5.8	5.8	4.8	8	7	820367	811610		
						1.0	-	-	29.1	29.1	8.4	8.4	24.8	24.7	87.0	87.0	5.8	5.8	4.8	7					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
						3.4	-	-	29.1	29.1	8.4	8.4	24.9	24.8	87.4	87.5	5.9	5.9	5.6	6					
						3.4	-	-	29.1	29.1	8.4	8.4	24.8	24.8	87.6	87.5	5.9	5.9	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 12 August 21 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	08:59	8.5	Surface	1.0	0.3	58	27.7	27.7	7.9	7.9	26.7	26.7	72.8	72.8	4.9	4.9	6.0	6.0	5	5	815619	804233				
						1.0	0.3	62	27.7	7.9	7.9	26.7	26.7	72.7	72.7	4.9	4.9	6.0	6.0	4	4							
					Middle	4.3	0.1	84	26.6	26.6	7.9	7.9	30.7	30.7	62.3	62.4	4.2	4.2	5.7	5.7	5	5						
						4.3	0.1	87	26.6	26.6	7.9	7.9	30.6	30.6	62.5	62.4	4.2	4.2	5.7	5.7	5	5						
					Bottom	7.5	0.1	3	26.3	26.3	7.9	7.9	31.4	31.4	59.3	59.4	4.0	4.0	6.5	6.5	6	6						
						7.5	0.1	3	26.3	26.3	7.9	7.9	31.4	31.4	59.4	59.4	4.0	4.0	6.5	6.5	5	5						
C2	Fine	Moderate	10:16	12.2	Surface	1.0	0.4	189	28.7	28.7	8.3	8.3	22.3	22.3	80.7	80.7	5.5	5.5	7.6	7.6	4	4	825672	806922				
						1.0	0.5	207	28.7	28.7	8.3	8.3	22.3	22.3	80.6	80.7	5.5	5.3	7.6	7.6	5	5						
					Middle	6.1	0.2	181	28.5	28.5	8.3	8.3	24.7	24.7	74.7	74.6	5.1	5.1	8.8	8.8	4	4						
						6.1	0.2	190	28.5	28.5	8.3	8.3	24.7	24.7	74.5	74.6	5.0	5.0	8.9	8.9	4	4						
					Bottom	11.2	0.3	5	28.9	28.9	8.3	8.3	24.3	24.3	74.3	74.6	5.0	5.0	9.0	9.0	6	6						
						11.2	0.4	5	29.0	29.0	8.3	8.3	24.1	24.2	74.9	74.6	5.0	5.0	9.0	9.0	6	6						
C3	Fine	Moderate	08:21	11.8	Surface	1.0	0.0	92	28.3	28.3	8.3	8.3	24.9	25.0	80.4	80.4	5.5	5.5	6.1	6.1	4	4	822113	817818				
						1.0	0.0	93	28.3	28.3	8.3	8.3	25.0	25.0	80.3	80.4	5.5	5.2	6.1	6.1	4	4						
					Middle	5.9	0.0	229	27.2	27.2	8.3	8.3	26.9	26.9	70.9	70.7	4.8	4.8	7.2	7.2	5	5						
						5.9	0.0	241	27.1	27.1	8.3	8.3	27.0	26.9	70.5	70.7	4.8	4.8	7.1	7.1	4	4						
					Bottom	10.8	0.1	287	26.8	26.8	8.3	8.3	29.3	29.3	64.4	64.6	4.4	4.4	8.2	8.2	3	3						
						10.8	0.1	313	26.8	26.8	8.3	8.3	29.3	29.3	64.8	64.6	4.4	4.4	8.1	8.1	4	4						
IM1	Sunny	Moderate	09:19	5.8	Surface	1.0	0.1	311	28.7	28.7	7.9	7.9	25.9	25.9	83.1	83.1	5.6	5.6	2.9	2.9	4	4	817966	807149				
						1.0	0.1	318	28.7	28.7	7.9	7.9	25.9	25.9	83.1	83.1	5.6	5.6	2.9	2.9	3	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3.7	3.7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.8	0.1	260	28.4	28.4	7.8	7.8	26.6	26.6	74.0	74.0	5.0	5.0	4.6	4.6	3	3						
						4.8	0.1	278	28.4	28.4	7.8	7.8	26.6	26.6	74.0	74.0	5.0	5.0	4.6	4.6	3	3						
IM2	Sunny	Moderate	09:27	8.1	Surface	1.0	0.3	5	28.3	28.3	7.9	7.9	26.3	26.3	79.4	79.4	5.4	5.4	4.4	4.4	3	3	818152	806163				
						1.0	0.4	5	28.3	28.3	7.9	7.9	26.3	26.3	79.4	79.4	5.3	5.2	4.5	4.5	4	4						
					Middle	4.1	0.4	342	28.2	28.2	7.9	7.9	26.9	26.9	75.4	75.4	5.1	5.1	5.7	5.7	3	3						
						4.1	0.5	315	28.2	28.2	7.9	7.9	26.9	26.9	75.4	75.4	5.1	5.1	5.7	5.7	3	3						
					Bottom	7.1	0.4	316	28.0	28.0	7.8	7.8	27.4	27.4	69.7	69.8	4.7	4.7	9.5	9.5	3	3						
						7.1	0.5	343	28.0	28.0	7.8	7.8	27.4	27.4	69.8	69.8	4.7	4.7	9.5	9.5	3	3						
IM3	Sunny	Moderate	09:35	8.4	Surface	1.0	0.5	322	28.3	28.3	7.9	7.9	26.1	26.1	79.9	79.9	5.4	5.4	4.0	4.0	3	3	818783	805585				
						1.0	0.5	325	28.3	28.3	7.9	7.9	26.1	26.1	79.9	79.9	5.4	5.1	4.0	4.0	3	3						
					Middle	4.2	0.5	318	27.9	27.9	7.8	7.8	27.4	27.4	71.4	71.4	4.8	4.8	5.9	5.9	3	3						
						4.2	0.5	327	27.9	27.9	7.8	7.8	27.4	27.4	71.3	71.3	4.8	4.8	5.9	5.9	3	3						
					Bottom	7.4	0.3	294	27.8	27.8	7.8	7.8	27.9	27.9	66.1	66.1	4.5	4.5	7.3	7.3	4	4						
						7.4	0.3	295	27.8	27.8	7.8	7.8	27.9	27.9	66.1	66.1	4.5	4.5	7.3	7.3	5	5						
IM4	Sunny	Moderate	09:44	9.3	Surface	1.0	0.5	311	28.3	28.3	7.9	7.9	25.7	25.7	78.4	78.4	5.3	5.3	3.7	3.7	4	4	819716	804625				
						1.0	0.5	330	28.2	28.2	7.9	7.9	25.8	25.8	78.4	78.4	5.3	4.9	3.6	3.6	3	3						
					Middle	4.7	0.5	298	27.5	27.5	7.8	7.8	28.3	28.3	66.7	66.6	4.5	4.5	4.0	4.0	3	3						
						4.7	0.6	321	27.5	27.5	7.8	7.8	28.3	28.3	66.5	66.5	4.5	4.5	4.0	4.0	3	3						
					Bottom	8.3	0.2	327	27.4	27.4	7.8	7.8	28.6	28.6	63.5	63.5	4.3	4.3	6.2	6.2	2	2						
						8.3	0.2	344	27.4	27.4	7.8	7.8	28.6	28.6	63.5	63.5	4.3	4.3	6.2	6.2	3	3						
IM5	Sunny	Moderate	09:51	8.1	Surface	1.0	0.2	283	28.0	28.0	7.9	7.9	27.0	27.0	73.2	73.2	4.9	4.9	2.1	2.1	3	3	820735	804889				
						1.0	0.2	287	28.0	28.0	7.9	7.9	27.0	27.0	73.1	73.1	4.9	4.8	2.1	2.1	4	4						
					Middle	4.1	0.3	280	27.9	27.9	7.8	7.8	27.5	27.5	68.5	68.5	4.6	4.6	3.7	3.7	4	4						
						4.1	0.3	306	27.9	27.9	7.8	7.8	27.5	27.5	68.5	68.5	4.6	4.6	3.7	3.7	4	4						
					Bottom	7.1	0.2	303	27.8	27.8	7.8	7.8	27.7	27.7	67.1	67.2	4.5	4.5	5.2	5.2	3	3						
						7.1	0.2	317	27.8	27.8	7.8	7.8	27.7	27.7	67.2	67.2	4.5	4.5	5.2	5.2	3	3						
IM6	Sunny	Moderate	09:58	8.3	Surface	1.0	0.4	266	29.0	29.0	7.8	7.8	22.6	22.6	83.8	83.8	5.7	5.7	4.0	4.0	3	3	821073	805827				
						1.0	0.4	267	29.0	29.0	7.8	7.8	22.6	22.6	83.7	83.7	5.7	5.5	4.0	4.0	3	3						
					Middle	4.2	0.3	282	28.5	28.5	7.8	7.8	25.2	25.2	78.6	78.6	5.3	5.3	6.6	6.6	3	3						
						4.2	0.3	283	28.5	28.5	7.8	7.8	25.2	25.2	78.6	78.6	5.3	5.3	6.5	6.5	3	3						
					Bottom	7.3	0.1	291	28.4	28.4	7.8	7.8	26.2	26.2	77.1	77.1	5.2	5.2	6.1	6.1	3	3						
						7.3	0.1	293	28.4	28.4	7.8	7.8	26.2	26.2	77.1	77.1	5.2	5.2	6.1	6.1	3	3						
IM7	Sunny	Moderate	10:05	9.1	Surface	1.0	0.4	252	29.0	29.0	7.8	7.8	22.3	22.3	82.0	82.0	5.6	5.6	3.4	3.4	2	2	821367	806819				
						1.0	0.5	261	29.0	29.0	7.8	7.8	22.3	22.3	82.0	82.0	5.6	5.4	3.4	3.4	2	2						
					Middle	4.6	0.4	268	28.4	28.4	7.8	7.8	25.9	25.9	77.2	77.2	5.2	5.2	4.7	4.7	4	4						
						4.6	0.5	276	28.4	28.4	7.8	7.8	25.9	25.9	77.2	77.2	5.2	5.2	4.8	4.8	4	4						
					Bottom	8.1	0.2	266	28.4	28.4	7.8	7.8	26.0	26.0	76.4	76.4	5.1	5.1	3.2	3.2	3	3						
						8.1	0.2	276	28.4	28.4	7.8	7.8	26.0	26.0	76.4	76.4	5.1	5.1	3.2	3.2	4	4						
IM8	Fine	Moderate	09:51	9.0	Surface	1.0	0.3	210	29.0	29.0	8.3	8.3	20.8	20.8	85.2	85.1	5.8	5.8	5.9	5.9	2	2	821824	808122				
						1.0	0.3	216	29.0	29.0	8.3	8.3	20.8	20.8	84.9	84.9	5.8	5.6	5.8	5.8	3	3						
					Middle	4.5	0.2	208	28.9	28.9	8.3	8.3	22.7	22.7	77.8	77.8	5.3	5.3	6.6	6.6	4	4						
						4.5	0.2	210	28.9	28.9	8.3	8.3	22.7	22.7	77.8	77.8	5.3	5.3	6.7	6.7	4	4						
					Bottom	8.0	0.2	221	28.9	28.9	8.3	8.3	22.7	22.7	78.0	78.0	5.3	5.3	7.3	7.3	4	4						
						8.0	0.2	230																				

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

**Water Quality Monitoring Results on 12 August 21 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			
IM9	Fine	Moderate	09:45	8.0	Surface	1.0	0.2	205	28.1	29.1	8.3	8.3	20.7	20.7	87.1	87.0	6.0	5.7	4.0	5.5	6	4	822109	808816	
						1.0	0.2	224	29.0	8.3	8.3	20.7	20.7	86.8	87.0	6.0	5.7	4.1	5.5	5	4				
						4.0	0.1	250	28.9	28.9	8.3	8.3	23.3	23.3	78.9	79.1	5.3	5.3	5.5	5.5	3	3			
					4.0	0.2	274	28.9	28.9	8.3	8.3	23.3	23.3	79.3	79.3	5.4	5.4	5.5	5.5	3	3				
					7.0	0.0	245	28.8	28.8	8.3	8.3	23.8	23.8	78.2	78.4	5.3	5.3	7.0	7.0	4	4				
					7.0	0.0	247	28.8	28.8	8.3	8.3	23.8	23.8	78.5	78.4	5.3	5.3	7.0	7.0	3	3				
IM10	Fine	Moderate	09:38	8.2	Surface	1.0	0.0	264	28.7	28.7	8.3	8.3	23.8	23.8	82.2	82.1	5.6	5.3	2.8	3.4	3	4	822400	809803	
						1.0	0.0	278	28.6	28.6	8.3	8.3	23.9	23.9	82.0	82.1	5.6	5.3	2.7	3.4	4	4			
						4.1	0.1	330	28.4	28.4	8.3	8.3	25.7	25.7	73.4	73.4	5.0	5.0	3.0	3.0	4	4			
					4.1	0.1	359	28.4	28.4	8.3	8.3	25.7	25.7	73.4	73.4	5.0	5.0	3.1	3.1	3	3				
					7.2	0.2	341	28.4	28.4	8.3	8.3	25.7	25.7	73.4	73.5	5.0	5.0	4.5	4.5	4	4				
					7.2	0.2	353	28.4	28.4	8.3	8.3	25.7	25.7	73.6	73.5	5.0	5.0	4.5	4.5	5	5				
IM11	Fine	Moderate	09:30	8.0	Surface	1.0	0.1	269	28.2	28.2	8.3	8.3	25.6	25.6	78.5	78.4	5.3	5.2	4.0	5.4	3	4	822048	811477	
						1.0	0.1	277	28.2	28.2	8.3	8.3	25.7	25.7	78.2	78.4	5.3	5.2	4.0	4.0	3	3			
						4.0	0.1	294	28.0	28.0	8.3	8.3	26.1	26.1	73.1	73.2	5.0	5.0	5.7	5.7	4	4			
					4.0	0.2	306	28.0	28.0	8.3	8.3	26.1	26.1	73.2	73.2	5.0	5.0	5.8	5.8	4	4				
					7.0	0.1	289	28.1	28.1	8.3	8.3	26.3	26.3	73.8	74.0	5.0	5.0	6.3	6.3	4	4				
					7.0	0.2	313	28.1	28.1	8.3	8.3	26.2	26.2	74.2	74.0	5.0	5.0	6.3	6.3	5	5				
IM12	Fine	Moderate	09:25	9.0	Surface	1.0	0.2	252	28.5	28.5	8.3	8.3	25.2	25.2	80.3	80.3	5.4	5.2	4.1	5.2	3	4	821442	812060	
						1.0	0.2	262	28.5	28.5	8.3	8.3	25.2	25.2	80.2	80.3	5.4	5.2	4.0	4.0	4	4			
						4.5	0.3	268	28.1	28.1	8.3	8.3	26.0	26.0	72.3	72.2	4.9	4.9	5.3	5.3	3	3			
					4.5	0.3	278	28.1	28.1	8.3	8.3	26.1	26.1	72.0	72.0	4.9	4.9	5.2	5.2	4	4				
					8.0	0.2	275	28.1	28.1	8.3	8.3	26.0	26.0	72.1	72.1	4.9	4.9	6.3	6.3	4	4				
					8.0	0.3	276	28.1	28.1	8.3	8.3	25.9	26.0	72.1	72.1	4.9	4.9	6.4	6.4	5	5				
SR1A	Fine	Moderate	08:54	5.0	Surface	1.0	-	-	28.8	28.8	8.3	8.3	24.0	24.0	77.3	77.2	5.2	5.2	5.0	5.5	3	4	819973	812660	
						1.0	-	-	28.8	28.8	8.3	8.3	24.1	24.1	77.1	77.2	5.2	5.2	5.0	5.0	4	4			
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
					2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
					4.0	-	-	28.7	28.7	8.3	8.3	24.6	24.6	77.6	77.8	5.2	5.3	6.1	6.1	4	4				
					4.0	-	-	28.6	28.6	8.3	8.3	24.7	24.7	77.9	77.8	5.3	5.3	6.1	6.1	4	4				
SR2	Fine	Moderate	08:39	4.6	Surface	1.0	0.2	193	28.1	28.1	8.3	8.3	25.8	25.8	72.6	72.5	4.9	4.9	8.7	8.9	3	3	821468	814187	
						1.0	0.2	193	28.1	28.1	8.3	8.3	25.9	25.9	72.3	72.5	4.9	4.9	8.7	8.7	2	2			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
					3.6	0.2	204	28.0	28.0	8.3	8.3	26.3	26.3	72.4	72.5	4.9	4.9	9.2	9.2	4	4				
					3.6	0.2	206	28.0	28.0	8.3	8.3	26.3	26.3	72.6	72.5	4.9	4.9	9.2	9.2	4	4				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR3	Fine	Moderate	09:56	10.0	Surface	1.0	0.3	220	29.1	29.1	8.3	8.3	19.7	19.7	87.6	87.1	6.0	5.8	3.2	4.6	4	4	822126	807589	
						1.0	0.3	227	29.0	29.0	8.3	8.3	19.7	19.7	86.6	87.1	6.0	5.8	3.2	3.2	4	4			
						5.0	0.2	236	28.8	28.8	8.3	8.3	23.1	23.1	81.1	80.9	5.5	5.5	5.0	5.0	4	4			
					5.0	0.2	237	28.7	28.7	8.3	8.3	23.2	23.2	80.6	80.9	5.5	5.5	4.9	4.9	4	4				
					9.0	0.2	283	28.8	28.8	8.3	8.3	24.6	24.6	77.3	78.2	5.2	5.3	5.6	5.6	4	4				
					9.0	0.2	299	28.8	28.8	8.3	8.3	24.7	24.7	79.0	78.2	5.3	5.3	5.7	5.7	3	3				
SR4A	Sunny	Moderate	08:35	8.7	Surface	1.0	0.2	85	28.5	28.5	7.8	7.8	26.5	26.5	76.6	76.6	5.1	5.1	3.2	4.6	4	4	817168	807808	
						1.0	0.2	89	28.5	28.5	7.8	7.8	26.5	26.5	76.5	76.6	5.1	5.1	3.2	3.2	5	5			
						4.4	0.1	99	28.5	28.5	7.8	7.8	26.5	26.5	76.2	76.2	5.1	5.1	5.0	5.0	4	4			
					4.4	0.1	99	28.5	28.5	7.8	7.8	26.5	26.5	76.2	76.2	5.1	5.1	5.0	5.0	4	4				
					7.7	0.1	71	28.4	28.4	7.8	7.8	26.5	26.5	74.4	74.5	5.0	5.0	5.5	5.5	4	4				
					7.7	0.1	73	28.4	28.4	7.8	7.8	26.5	26.5	74.5	74.5	5.0	5.0	5.6	5.6	4	4				
SR5A	Sunny	Moderate	08:17	4.6	Surface	1.0	0.1	106	28.6	28.6	7.8	7.8	26.2	26.2	73.5	73.5	4.9	4.9	2.3	3.1	4	3	816571	810705	
						1.0	0.1	111	28.6	28.6	7.8	7.8	26.2	26.2	73.5	73.5	4.9	4.9	2.3	2.3	3	3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
					3.6	0.1	118	28.6	28.6	7.8	7.8	26.2	26.2	72.6	72.6	4.9	4.9	3.8	3.8	3	3				
					3.6	0.1	118	28.6	28.6	7.8	7.8	26.2	26.2	72.6	72.6	4.9	4.9	3.8	3.8	3	3				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR6A	Sunny	Moderate	07:51	4.2	Surface	1.0	0.0	168	28.7	28.7	7.9	7.9	24.8	24.8	75.1	75.1	5.1	5.1	4.9	5.4	4	4	817983	814730	
						1.0	0.0	168	28.7	28.7	7.9	7.9	24.8	24.8	75.1	75.1	5.1	5.1	4.7	4.7	3	3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
					3.2	0.0	2	28.5	28.5	7.9	7.9	25.4	25.4	71.4	71.4	4.8	4.8	5.9	5.9	4	4				
					3.2	0.0	2	28.5	28.5	7.9	7.9	25.4	25.4	71.3	71.4	4.8	4.8	6.0	6.0	5	5				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR7	Fine	Moderate	07:54	15.4	Surface	1.0	0.0	239	28.3	28.3	8.3	8.3	24.6	24.6	79.8	79.7	5.4	5.0	5.8	6.5	3	4	823657	823732	
						1.0	0.0	252	28.2	28.2	8.3	8.3	24.6	24.6	79.5	79.7	5.4	5.0	5.8	5.8	4	4			
						7.7	0.1	17	26.9	26.9	8.2	8.2	28.9	29.0	66.3	66.2	4.5	4.5	6.7	6.7	4	4			
					7.7	0.1	18	26.8	26.8	8.2	8.2	29.1	29.0	66.0	66.2	4.5	4.5	6.6	6.6	4	4				
					14.4	0.0	163	27.1	27.2	8.2	8.2	28.7	28.7	66.3	66.5	4.5	4.5	7.1	7.1	5	5				
					14.4	0.0	163	27.3	27.3	8.2	8.2	28.6	28.7	66.6	66.5	4.5	4.5	7.1	7.1	4	4				
SR8	Fine	Moderate	09:17	5.0	Surface	1.0	-	-	28.6	28.6	8.3	8.3	24.9	25.0	78.9	78.9	5.3	5.3	5.2	5.8	4	5	820391	811632	
						1.0	-	-	28.5	28.5	8.3	8.3	25.1	25.1	78.8	78.9	5.3	5.3	5.2	5.2	3	3			
						-	-																		

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

Water Quality Monitoring Results on 14 August 21 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	16:27	9.1	Surface	1.0	0.4	204	28.1	28.1	8.3	8.3	24.9	24.9	87.6	87.6	6.0	5.8	4.9	5	5	815606	804237		
						1.0	0.4	215	28.1	8.3	8.3	24.9	24.9	87.6	87.6	6.0	5.8	4.9	5						
						4.6	0.4	215	28.0	8.3	8.3	25.4	25.4	81.4	81.4	5.5	5.8	5.9	5						
					Middle	4.6	0.5	215	28.0	8.3	8.3	25.4	25.4	81.3	81.3	5.5	5.8	5.9	5						
						8.1	0.6	217	27.8	8.2	8.2	26.4	26.4	68.4	68.4	4.6	8.8	6	5						
						8.1	0.6	218	27.8	8.2	8.2	26.4	26.4	68.4	68.4	4.6	8.9	5	5						
C2	Cloudy	Moderate	15:14	11.7	Surface	1.0	0.5	188	28.6	28.6	8.1	8.1	22.2	22.1	90.5	90.4	6.2	5.7	5.3	5	6	825703	806941		
						1.0	0.5	200	28.6	8.1	8.0	22.1	22.1	90.3	90.4	6.2	5.5	4	5						
						5.9	0.5	159	28.0	8.0	8.0	25.3	25.4	74.6	74.6	5.1	7.0	6	6						
					Middle	5.9	0.5	164	28.0	8.0	8.0	25.4	25.4	74.6	74.6	5.1	7.1	5	5						
						10.7	0.4	139	27.6	8.1	8.1	27.1	27.1	71.9	72.1	4.9	8.0	6	6						
						10.7	0.4	139	27.6	8.1	8.1	27.1	27.1	71.9	72.1	4.9	8.0	7	7						
C3	Cloudy	Moderate	17:02	11.8	Surface	1.0	0.4	98	28.1	28.1	8.1	8.1	25.4	25.5	85.3	85.2	5.8	5.7	3.4	6	4	822108	817818		
						1.0	0.5	100	28.0	8.1	8.1	25.5	25.5	85.0	85.2	5.8	3.5	6	6						
						5.9	0.3	72	27.8	8.1	8.1	25.9	25.9	81.7	81.8	5.6	4.6	4	4						
					Middle	5.9	0.3	78	27.7	8.1	8.1	25.8	25.9	81.8	81.8	5.6	4.6	4	4						
						10.8	0.2	67	26.9	8.0	8.0	28.5	28.5	71.7	71.7	4.9	6.9	3	3						
						10.8	0.2	69	26.9	8.0	8.0	28.5	28.5	71.7	71.7	4.9	6.8	3	3						
IM1	Cloudy	Rough	16:05	4.2	Surface	1.0	0.1	239	28.7	28.7	8.3	8.3	21.8	21.8	101.2	101.3	6.9	6.9	3.7	3	4	817953	807110		
						1.0	0.2	250	28.7	8.3	8.3	21.8	21.8	101.4	101.3	6.9	3.7	3	3						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						3.2	0.2	190	28.4	8.3	8.3	23.3	23.3	93.2	93.2	6.4	4.4	4	4						
						3.2	0.2	192	28.4	8.3	8.3	23.3	23.3	93.1	93.2	6.4	4.4	5	5						
IM2	Cloudy	Rough	15:57	7.9	Surface	1.0	0.2	143	28.6	28.6	8.3	8.3	21.9	21.9	101.7	101.7	7.0	6.5	3.7	3	3	818142	806159		
						1.0	0.2	144	28.6	8.3	8.3	21.9	21.9	101.7	101.7	7.0	3.7	2	2						
						4.0	0.2	148	28.2	8.3	8.3	24.2	24.2	86.0	86.0	5.9	5.0	3	3						
					Middle	4.0	0.2	161	28.2	8.3	8.3	24.2	24.2	85.9	86.0	5.9	5.0	2	2						
						6.9	0.2	142	27.9	8.3	8.3	25.7	25.7	74.0	74.0	5.0	6.1	4	4						
						6.9	0.3	150	27.9	8.3	8.3	25.7	25.7	74.0	74.0	5.0	6.1	5	5						
IM3	Cloudy	Rough	15:50	7.9	Surface	1.0	0.2	176	29.0	29.0	8.3	8.3	21.5	21.5	92.5	92.5	6.3	6.2	3.8	2	3	818765	805612		
						1.0	0.2	189	29.0	8.3	8.3	21.5	21.5	92.5	92.5	6.3	3.8	3	3						
						4.0	0.3	156	28.5	8.3	8.3	23.1	23.1	88.8	88.8	6.1	4.5	3	3						
					Middle	4.0	0.3	169	28.5	8.3	8.3	23.0	23.1	88.8	88.8	6.1	4.5	3	3						
						6.9	0.3	127	28.2	8.3	8.3	25.0	25.0	79.9	80.0	5.4	6.9	3	3						
						6.9	0.3	134	28.2	8.3	8.3	25.0	25.0	80.0	80.0	5.4	6.9	4	4						
IM4	Cloudy	Rough	15:40	8.0	Surface	1.0	0.7	196	28.9	28.9	8.3	8.3	21.5	21.5	92.0	92.0	6.3	5.8	3.8	2	3	819740	804629		
						1.0	0.7	213	28.9	8.3	8.3	21.5	21.5	92.0	92.0	6.3	3.8	2	2						
						4.0	0.6	170	28.2	8.3	8.2	24.9	24.9	78.7	78.7	5.3	6.2	3	3						
					Middle	4.0	0.6	184	28.2	8.2	8.2	24.9	24.9	78.7	78.7	5.3	6.2	3	3						
						7.0	0.4	160	28.1	8.2	8.2	25.6	25.6	72.7	72.8	4.9	9.7	3	3						
						7.0	0.4	165	28.1	8.2	8.2	25.6	25.6	72.8	72.8	4.9	9.7	4	4						
IM5	Cloudy	Rough	15:33	7.6	Surface	1.0	0.4	229	28.9	28.9	8.3	8.3	21.7	21.7	93.3	93.3	6.4	6.1	4.2	4	4	820721	804871		
						1.0	0.4	245	28.9	8.3	8.3	21.7	21.7	93.3	93.3	6.4	4.1	4	4						
						3.8	0.4	202	28.4	8.3	8.3	23.6	23.6	85.4	85.4	5.8	6.1	4	4						
					Middle	3.8	0.5	214	28.4	8.3	8.3	23.6	23.6	85.4	85.4	5.8	6.5	4	4						
						6.6	0.4	190	28.1	8.2	8.2	25.2	25.2	78.2	78.2	5.3	9.9	3	3						
						6.6	0.4	207	28.1	8.2	8.2	25.2	25.2	78.2	78.2	5.3	10.0	2	2						
IM6	Cloudy	Rough	15:26	7.9	Surface	1.0	0.5	275	28.7	28.7	8.2	8.2	22.1	22.1	89.4	89.4	6.1	5.9	5.4	2	3	821080	805809		
						1.0	0.5	297	28.7	8.2	8.2	22.1	22.1	89.4	89.4	6.1	5.5	2	2						
						4.0	0.3	237	28.3	8.2	8.2	24.2	24.2	83.4	83.4	5.7	6.8	3	3						
					Middle	4.0	0.3	244	28.3	8.2	8.2	24.2	24.2	83.3	83.3	5.7	6.8	3	3						
						6.9	0.3	230	28.1	8.2	8.2	25.5	25.5	76.9	77.0	5.2	11.1	4	4						
						6.9	0.3	248	28.1	8.2	8.2	25.5	25.5	77.0	77.0	5.2	11.1	5	5						
IM7	Cloudy	Rough	15:20	8.5	Surface	1.0	0.1	291	28.7	28.7	8.2	8.2	21.4	21.4	86.0	86.0	5.9	5.7	3.0	5	3	821349	806846		
						1.0	0.1	314	28.7	8.2	8.2	21.4	21.4	86.0	86.0	5.9	3.0	4	4						
						4.3	0.2	185	28.3	8.3	8.3	23.9	23.9	81.3	81.3	5.6	3.4	3	3						
					Middle	4.3	0.2	196	28.3	8.3	8.3	23.9	23.9	81.3	81.3	5.5	3.5	2	2						
						7.5	0.2	167	28.1	8.3	8.2	25.5	25.5	75.3	75.4	5.1	5.4	2	2						
						7.5	0.2	175	28.1	8.2	8.2	25.5	25.5	75.4	75.4	5.1	5.4	2	2						
IM8	Cloudy	Moderate	15:37	7.4	Surface	1.0	0.2	32	28.5	28.5	8.0	8.0	23.0	23.0	84.2	84.2	5.8	5.6	4.9	4	4	821830	808154		
						1.0	0.2	32	28.5	8.0	8.0	23.0	23.0	84.2	84.2	5.7	4.9	3	3						
						3.7	0.1	162	28.3	8.0	8.0	23.8	23.8	78.7	78.7	5.4	7.4	4	4						
					Middle	3.7	0.1	171	28.3	8.0	8.0	23.8	23.8	78.7	78.7	5.4	7.6	4	4						
						6.4	0.1	142	28.0	8.0	8.0	25.5	25.5	77.9	78.0	5.3	9.7	4	4						
						6.4	0.1	147	28.0	8.0	8.0	25.5	25.5	78.1	78.1	5.3	9.8	4	4						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 14 August 21 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				
IM9	Cloudy	Moderate	15:42	7.2	Surface	1.0	0.2	79	28.5	28.5	8.0	8.0	23.1	23.1	81.8	82.0	5.6	5.6	4.6	6	4	822089	808787			
						1.0	0.2	84	28.5	8.0	8.0	23.1	23.1	82.1	82.4	5.6	5.6	4.5	5							
					Middle	3.6	0.2	112	28.2	28.2	8.0	8.0	24.9	24.9	72.3	72.2	4.9	4.9	5.9	7.0				4		
						3.6	0.2	119	28.2	28.2	8.0	8.0	25.0	25.0	72.1	72.2	4.9	4.9	6.0	4						
					Bottom	6.2	0.2	121	28.0	28.0	8.0	8.0	25.6	25.6	73.0	73.2	5.0	5.0	10.4	4						
						6.2	0.2	123	28.0	28.0	8.0	8.0	25.6	25.6	73.4	73.2	5.0	5.0	10.3	3						
IM10	Cloudy	Moderate	15:47	7.0	Surface	1.0	0.8	109	28.6	28.6	8.0	8.0	23.1	23.1	82.5	82.4	5.6	5.6	4.1	4	4	822374	809787			
						1.0	0.8	109	28.6	28.6	8.0	8.0	23.1	23.1	82.2	82.4	5.6	5.6	4.3	4						
					Middle	3.5	0.8	109	28.2	28.2	8.0	8.0	23.9	23.9	74.5	74.3	5.1	5.1	7.2	4						
						3.5	0.8	115	28.1	28.1	8.0	8.0	23.9	23.9	74.0	74.0	5.1	5.1	7.4	4						
					Bottom	6.0	0.5	99	28.0	28.0	8.0	8.0	25.8	25.8	70.3	70.5	4.8	4.8	8.9	4						
						6.0	0.6	107	28.0	28.0	8.0	8.0	25.7	25.7	70.6	70.6	4.8	4.8	8.6	4						
IM11	Cloudy	Moderate	15:56	8.0	Surface	1.0	0.9	113	28.8	28.8	8.1	8.1	21.3	21.3	90.0	90.0	6.2	6.2	2.7	2	3	822071	811474			
						1.0	0.9	114	28.8	28.8	8.1	8.1	21.3	21.3	89.9	89.9	6.2	6.2	3.0	2						
					Middle	4.0	0.8	114	28.2	28.2	8.0	8.0	24.6	24.6	75.8	75.9	5.2	5.2	6.5	3						
						4.0	0.8	125	28.1	28.1	8.0	8.0	24.5	24.5	75.9	75.9	5.2	5.2	6.5	4						
					Bottom	7.0	0.5	110	27.8	27.8	8.0	8.0	26.4	26.4	73.8	73.9	5.0	5.0	8.4	4						
						7.0	0.5	117	27.8	27.8	8.0	8.0	26.4	26.4	74.0	74.0	5.0	5.0	8.5	4						
IM12	Cloudy	Moderate	16:01	8.5	Surface	1.0	0.7	112	28.6	28.6	8.0	8.0	22.6	22.6	83.5	83.5	5.7	5.7	4.2	4	4	821445	812039			
						1.0	0.8	117	28.5	28.5	8.0	8.0	22.6	22.6	83.5	83.5	5.7	5.7	4.2	4						
					Middle	4.3	0.5	103	28.0	28.0	8.0	8.0	25.6	25.6	75.9	75.8	5.2	5.2	5.6	3						
						4.3	0.6	112	28.0	28.0	8.0	8.0	25.7	25.7	75.7	75.7	5.1	5.1	6.1	4						
					Bottom	7.5	0.4	89	27.7	27.7	8.0	8.0	26.7	26.7	70.3	70.5	4.8	4.8	11.8	4						
						7.5	0.4	92	27.7	27.7	8.0	8.0	26.7	26.7	70.6	70.6	4.8	4.8	12.0	2						
SR1A	Cloudy	Moderate	16:33	4.7	Surface	1.0	-	-	28.5	28.5	8.1	8.1	25.0	25.0	86.4	86.4	5.8	5.8	3.7	5	5	819973	812656			
						1.0	-	-	28.5	28.5	8.1	8.1	25.0	25.0	86.4	86.4	5.8	5.8	3.7	6						
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.0
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	5
					Bottom	3.7	-	-	28.1	28.1	8.0	8.0	26.1	26.1	77.5	77.8	5.2	5.2	8.1	4						
						3.7	-	-	28.1	28.1	8.0	8.0	26.1	26.1	78.1	78.1	5.3	5.3	8.3	5						
SR2	Cloudy	Moderate	16:46	4.2	Surface	1.0	0.3	85	28.6	28.6	8.1	8.1	22.6	22.6	91.8	91.8	6.3	6.3	2.8	5	4	821457	814181			
						1.0	0.3	92	28.6	28.6	8.1	8.1	22.6	22.6	91.8	91.8	6.3	6.3	2.9	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.1
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	3.2	0.1	71	28.5	28.5	8.1	8.1	23.1	23.1	92.2	92.3	6.3	6.3	3.3	4						
						3.2	0.1	72	28.5	28.5	8.1	8.1	23.1	23.1	92.4	92.3	6.3	6.3	3.4	3						
SR3	Cloudy	Moderate	15:33	8.7	Surface	1.0	0.1	324	28.5	28.5	8.0	8.0	23.2	23.2	80.7	80.9	5.5	5.5	5.1	3	4	822151	807572			
						1.0	0.1	326	28.5	28.5	8.0	8.0	23.2	23.2	81.0	80.9	5.5	5.5	5.6	3						
					Middle	4.4	0.2	225	28.1	28.1	8.0	8.0	25.5	25.5	76.4	76.5	5.2	5.2	11.7	4						
						4.4	0.2	228	28.1	28.1	8.0	8.0	25.5	25.5	76.6	76.6	5.2	5.2	11.9	5						
					Bottom	7.7	0.1	227	28.0	28.0	8.0	8.0	25.6	25.6	78.5	78.8	5.3	5.3	13.1	5						
						7.7	0.1	249	28.0	28.0	8.0	8.0	25.6	25.6	79.0	79.0	5.4	5.4	13.0	5						
SR4A	Cloudy	Rough	16:50	8.9	Surface	1.0	0.1	267	28.4	28.4	8.3	8.3	23.5	23.5	99.1	97.4	6.8	6.8	3.8	7	6	817187	807796			
						1.0	0.1	291	28.4	28.4	8.3	8.3	23.6	23.6	95.7	97.4	6.5	6.5	3.9	6						
					Middle	4.5	0.1	38	28.0	28.0	8.3	8.3	25.3	25.3	82.9	82.9	5.6	5.6	5.5	5						
						4.5	0.1	40	28.0	28.0	8.3	8.3	25.3	25.3	82.9	82.9	5.6	5.6	5.5	6						
					Bottom	7.9	0.0	30	27.9	27.9	8.3	8.3	25.8	25.8	77.1	77.2	5.2	5.2	8.2	5						
						7.9	0.0	32	27.9	27.9	8.3	8.3	25.8	25.8	77.2	77.2	5.2	5.2	8.3	5						
SR5A	Cloudy	Rough	17:11	3.6	Surface	1.0	0.0	356	28.4	28.4	8.2	8.2	24.5	24.5	84.1	84.1	5.7	5.7	5.8	4	5	816611	810715			
						1.0	0.0	328	28.4	28.4	8.2	8.2	24.5	24.5	84.1	84.1	5.7	5.7	5.8	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	7.3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	5
					Bottom	2.6	0.1	14	28.4	28.4	8.3	8.3	25.0	25.0	78.0	78.1	5.3	5.3	8.9	5						
						2.6	0.1	14	28.4	28.4	8.3	8.3	25.0	25.0	78.1	78.1	5.3	5.3	8.7	5						
SR6A	Cloudy	Rough	17:44	3.9	Surface	1.0	0.1	71	28.6	28.6	8.2	8.2	24.7	24.7	83.4	83.4	5.6	5.6	5.7	6	6	817967	814755			
						1.0	0.1	72	28.6	28.6	8.2	8.2	24.7	24.7	83.4	83.4	5.6	5.6	5.7	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.0
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6
					Bottom	2.9	0.1	279	28.6	28.6	8.1	8.1	24.8	24.8	81.8	81.9	5.5	5.5	6.3	6						
						2.9	0.1	281	28.6	28.6	8.1	8.1	24.8	24.8	81.9	81.9	5.5	5.5	6.4	5						
SR7	Cloudy	Moderate	17:27	16.4	Surface	1.0	0.8	62	27.8	27.8	8.1	8.1	26.4	26.4	90.2	90.2	6.1	6.1	2.5	5	4	823639	823760			
						1.0	0.9	63	27.8	27.8	8.1	8.1	26.4	26.4	90.2	90.2	6.1	6.1	2.4	4						
					Middle	8.2	0.5	43	26.9	26.9	8.1	8.1	27.4	27.4	79.8	79.4	5.5	5.5	3.0	4						
						8.2	0.5	44	26.8	26.8	8.1	8.1	27.4	27.4	78.9	78.9	5.4	5.4	3.1	5						
					Bottom	15.4	0.5	28	26.3	26.3	8.1	8.1	29.9	29.9	68.4	68.5	4.7	4.7	3.3	3						
						15.4	0.5	29	26.3	26.3	8.1	8.1	29.9	29.9	68.5	68.5	4.7	4.7	3.3	4						
SR8	Cloudy	Moderate	16:08	4.5	Surface	1.0	-	-	28.5	28.6	8.1	8.1	24.5	24.5	86.1	86.1	5.8	5.8	5.8	5	4	820385	811636			
						1.0	-	-	28.6	28.6	8.1	8.1	24.5	24.5	86.1	86.1	5.8	5.8	6.0	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	7.2
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	3.5	-	-	28.4	28.4	8.1	8.1	25.0	25.0	86.2	86.3	5.8	5.8	8.4	3						
						3.5	-	-	28.4	28.4	8.1	8.1	25.0	25.0	86.4	86.4	5.8	5.8	8.8	3						

DA: Depth-Averaged  
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
 Value

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

**Water Quality Monitoring Results on 14 August 21 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	10:42	9.5	Surface	1.0	0.5	35	28.5	28.5	8.2	8.2	24.2	24.2	83.3	83.3	5.7	5.8	5.8	6	6	815643	804261			
						1.0	0.5	37	28.5	8.2	8.2	24.2	24.2	83.3	83.3	5.7	5.8									
					Middle	4.8	0.6	29	28.5	28.5	8.2	8.2	24.4	24.4	80.5	80.5	5.5	7.5	7.5	6				7.8		
						4.8	0.6	31	28.5	8.2	8.2	24.4	24.4	80.5	80.5	5.5	7.5									
					Bottom	8.5	0.4	30	28.2	28.2	8.2	8.2	25.0	25.0	80.9	80.9	5.5	10.2	10.2	7						
						8.5	0.4	32	28.2	8.2	8.2	25.0	25.0	80.8	80.8	5.5	10.2	10.2	6							
C2	Cloudy	Moderate	12:17	12.0	Surface	1.0	0.5	0	28.9	28.9	8.0	8.0	20.4	20.4	84.2	84.1	5.8	2.4	2.4	3	4	825694	806968			
						1.0	0.5	0	28.9	8.0	8.0	20.4	20.4	83.9	84.1	5.8	2.6									
					Middle	6.0	0.5	343	28.1	28.1	8.0	8.0	24.4	24.4	73.3	73.3	5.0	7.4	7.4	4						
						6.0	0.5	316	28.0	8.0	8.0	24.4	24.4	73.2	73.3	5.0	7.8									
					Bottom	11.0	0.5	337	27.5	27.5	8.0	8.0	27.3	27.3	66.9	67.0	4.5	11.5	11.5	4						
						11.0	0.6	356	27.5	8.0	8.0	27.4	27.3	67.1	67.1	4.6	11.8	11.8	4							
C3	Cloudy	Moderate	09:37	11.4	Surface	1.0	0.5	267	28.1	28.1	8.0	8.0	24.9	24.9	75.7	75.7	5.2	5.3	5.3	4	4	822127	817782			
						1.0	0.6	285	28.1	8.0	8.0	24.9	24.9	75.6	75.7	5.2	5.6									
					Middle	5.7	0.5	258	27.2	27.2	8.0	8.0	28.1	28.1	66.1	66.0	4.5	8.9	8.9	4						
						5.7	0.6	269	27.1	8.0	8.0	28.2	28.2	65.9	66.0	4.5	8.4									
					Bottom	10.4	0.5	290	26.8	26.8	8.0	8.0	29.1	29.1	65.6	65.7	4.5	2.8	2.8	4						
						10.4	0.5	307	26.8	8.0	8.0	29.1	29.1	65.8	65.8	4.5	2.9	2.9	3							
IM1	Cloudy	Rough	11:06	5.2	Surface	1.0	0.2	351	28.4	28.4	8.2	8.2	22.6	22.6	91.2	91.2	6.3	4.6	4.6	5	5	817935	807110			
						1.0	0.2	323	28.4	8.2	8.2	22.6	22.6	91.1	91.1	6.3	4.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	5
					Bottom	4.2	0.1	356	28.1	28.1	8.2	8.2	24.0	24.1	87.6	87.6	6.0	5.1	5.1	5						
						4.2	0.1	328	28.1	8.2	8.2	24.1	24.1	87.6	87.6	6.0	5.1	5.1	6							
IM2	Cloudy	Rough	11:13	7.1	Surface	1.0	0.4	20	28.4	28.4	8.2	8.2	22.5	22.5	91.2	91.2	6.3	4.7	4.7	2	3	818163	806188			
						1.0	0.4	21	28.4	8.2	8.2	22.5	22.5	91.2	91.2	6.3	4.7									
					Middle	3.6	0.4	17	28.1	28.1	8.2	8.2	24.2	24.2	85.5	85.5	5.8	5.4	5.4	3						
						3.6	0.4	18	28.1	8.2	8.2	24.2	24.2	85.4	85.4	5.8	5.5									
					Bottom	6.1	0.3	13	27.2	27.2	8.2	8.2	27.7	27.7	71.5	71.4	4.9	10.8	10.8	3						
						6.1	0.3	13	27.2	8.2	8.2	27.8	27.8	71.3	71.3	4.9	10.8	10.8	4							
IM3	Rainy	Rough	11:21	7.3	Surface	1.0	0.5	350	28.5	28.5	8.3	8.3	22.7	22.7	97.5	97.5	6.7	4.2	4.2	3	4	818782	805590			
						1.0	0.5	322	28.5	8.3	8.3	22.7	22.7	97.5	97.5	6.7	4.2									
					Middle	3.7	0.4	338	28.4	28.4	8.3	8.3	23.1	23.1	96.5	96.5	6.6	4.2	4.2	4						
						3.7	0.4	311	28.4	8.3	8.3	23.1	23.1	96.5	96.5	6.6	4.2									
					Bottom	6.3	0.4	334	28.4	28.4	8.3	8.3	23.7	23.7	94.1	94.1	6.4	4.2	4.2	4						
						6.3	0.4	358	28.4	8.3	8.3	23.7	23.7	94.1	94.1	6.4	4.2	4.2	4							
IM4	Rainy	Rough	11:31	7.9	Surface	1.0	0.8	349	28.6	28.6	8.3	8.3	21.8	21.8	98.5	98.5	6.8	4.1	4.1	4	4	819704	804617			
						1.0	0.8	356	28.6	8.3	8.3	21.8	21.8	98.5	98.5	6.8	4.1									
					Middle	4.0	0.8	341	28.5	28.5	8.3	8.3	22.8	22.8	97.2	97.2	6.7	4.0	4.0	3						
						4.0	0.9	314	28.5	8.3	8.3	22.8	22.8	97.2	97.2	6.7	4.0									
					Bottom	6.9	0.5	334	28.3	28.3	8.3	8.3	23.8	23.8	94.0	94.0	6.4	4.3	4.3	4						
						6.9	0.5	338	28.3	8.3	8.3	23.8	23.8	94.0	94.0	6.4	4.3	4.3	5							
IM5	Rainy	Rough	11:43	8.2	Surface	1.0	1.1	354	28.7	28.7	8.2	8.2	21.6	21.6	84.9	84.9	5.8	4.8	4.8	2	3	820724	804889			
						1.0	1.2	326	28.7	8.2	8.2	21.6	21.6	84.9	84.9	5.8	4.8									
					Middle	4.1	0.9	357	28.2	28.2	8.2	8.2	24.5	24.5	79.0	79.2	5.4	9.4	9.4	2						
						4.1	1.0	328	28.2	8.2	8.2	24.4	24.4	79.4	79.4	5.4	9.4									
					Bottom	7.2	0.8	2	28.0	28.0	8.2	8.2	25.4	25.4	75.7	75.8	5.1	8.5	8.5	3						
						7.2	0.8	2	28.0	8.2	8.2	25.4	25.4	75.8	75.8	5.2	8.5	8.5	4							
IM6	Rainy	Rough	11:54	8.5	Surface	1.0	0.1	187	28.8	28.8	8.2	8.2	20.3	20.3	90.9	90.9	6.3	3.5	3.5	3	4	821068	805809			
						1.0	0.1	188	28.8	8.2	8.2	20.3	20.3	90.9	90.9	6.3	3.5									
					Middle	4.3	0.2	79	28.6	28.6	8.2	8.2	22.2	22.2	82.9	82.9	5.7	5.0	5.0	2						
						4.3	0.2	84	28.6	8.2	8.2	22.2	22.2	82.9	82.9	5.7	5.0									
					Bottom	7.5	0.2	60	28.1	28.1	8.2	8.2	25.5	25.5	76.0	76.1	5.2	6.2	6.2	4						
						7.5	0.3	60	28.1	8.2	8.2	25.5	25.5	76.1	76.1	5.2	6.2	6.2	4							
IM7	Rainy	Rough	12:04	8.4	Surface	1.0	0.0	145	28.8	28.8	8.2	8.2	20.3	20.3	91.7	91.7	6.3	3.6	3.6	4	4	821337	806838			
						1.0	0.0	151	28.8	8.2	8.2	20.3	20.3	91.7	91.7	6.3	3.7									
					Middle	4.2	0.1	99	28.6	28.6	8.2	8.2	22.2	22.2	83.0	83.0	5.7	4.9	4.9	3						
						4.2	0.2	101	28.6	8.2	8.2	22.2	22.2	83.0	83.0	5.7	4.9									
					Bottom	7.4	0.3	98	28.1	28.1	8.2	8.2	25.5	25.5	75.9	76.0	5.2	8.5	8.5	4						
						7.4	0.3	104	28.1	8.2	8.2	25.5	25.5	76.0	76.0	5.2	8.5	8.5	3							
IM8	Cloudy	Moderate	11:56	6.8	Surface	1.0	0.1	219	28.6	28.6	8.0	8.0	21.4	21.4	84.1	84.0	5.8	5.9	5.9	5	6	821853	808145			
						1.0	0.1	231	28.6	8.0	8.0	21.4	21.4	83.8	84.0	5.8	6.1									
					Middle	3.4	0.1	206	28.5	28.5	8.0	8.0	22.2	22.2	77.6	77.5	5.3	7.7	7.7	6						
						3.4	0.1	209	28.5	8.0	8.0	22.1	22.2	77.4	77.5	5.3	7.9									
					Bottom	5.8	0.1	200	28.5	28.5	8.0	8.0	23.5	23.5	76.2	76.3	5.2	10.2	10.2	6						
						5.8	0.1	213	28.5	8.0	8.0	23.5	23.5	76.3	76.3	5.2	10.4	10.4	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 17 August 21 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	Calm	08:53	8.0	Surface	1.0	0.5	192	28.4	28.4	7.9	7.9	21.7	21.7	92.1	91.9	6.4	6.1	4.2	2	3	815610	804254	
						1.0	0.5	203	28.4	28.4	7.9	7.9	21.7	21.7	91.7	91.7	6.3	6.1	4.2	2				
						4.0	0.6	191	28.4	28.4	7.9	7.9	21.7	21.7	84.8	84.0	5.8	5.4	5.3	4				
					4.0	0.6	193	28.4	28.4	7.9	7.9	21.8	21.8	83.1	83.1	5.7	5.3	5.3	4					
					7.0	0.6	220	25.9	25.9	7.8	7.8	30.2	30.1	66.8	66.9	4.6	4.8	6.2	3					
					7.0	0.6	236	25.9	25.9	7.8	7.8	30.0	30.1	71.0	71.0	4.9	4.8	6.3	4					
C2	Cloudy	Moderate	09:14	11.2	Surface	1.0	0.5	123	28.8	28.8	8.1	8.1	18.4	18.3	86.4	86.2	6.0	5.4	4.7	2	3	825679	806949	
						1.0	0.5	114	28.8	28.8	8.1	8.1	18.2	18.0	85.9	85.9	6.0	5.4	5.0	2				
						5.6	0.6	128	26.7	26.7	8.1	8.1	28.0	28.0	69.0	68.9	4.7	4.7	6.4	3				
					5.6	0.6	122	26.7	26.7	8.1	8.1	28.1	28.0	68.7	68.7	4.7	4.7	6.3	2					
					10.2	0.6	141	26.4	26.5	8.1	8.0	28.8	28.8	63.4	63.6	4.3	4.4	9.8	3					
					10.2	0.7	150	26.5	26.5	8.0	8.0	28.8	28.8	63.8	63.8	4.4	4.4	9.2	3					
C3	Cloudy	Moderate	06:57	10.5	Surface	1.0	0.3	99	27.8	27.8	8.0	8.0	24.4	24.4	88.5	88.4	6.1	5.8	3.2	2	2	822117	817825	
						1.0	0.3	101	27.8	27.8	8.0	8.0	24.4	24.4	88.3	88.3	6.1	5.8	3.2	2				
						5.3	0.4	123	27.3	27.3	8.0	8.0	26.1	26.1	78.8	78.7	5.4	5.4	5.3	2				
					5.3	0.4	114	27.3	27.3	8.0	8.0	26.1	26.1	78.6	78.6	5.4	5.4	5.5	2					
					9.5	0.5	125	25.7	25.7	8.0	8.0	30.2	30.2	67.1	67.1	4.6	4.6	9.2	2					
					9.5	0.4	117	25.7	25.7	8.0	8.0	30.2	30.2	67.1	67.1	4.6	4.6	9.5	3					
IM1	Fine	Calm	09:14	4.2	Surface	1.0	0.1	336	27.2	27.2	7.8	7.8	27.4	27.3	60.3	60.2	4.1	4.1	5.7	4	3	817958	807153	
						1.0	0.1	309	27.2	27.2	7.8	7.8	27.3	27.3	60.0	60.0	4.1	4.1	5.7	3				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					3.2	0.1	37	25.7	25.8	7.8	7.8	31.2	31.2	61.4	62.3	4.2	4.3	6.5	3					
					3.2	0.1	39	25.8	25.8	7.8	7.8	31.2	31.2	63.1	63.1	4.3	4.3	6.5	2					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
IM2	Fine	Calm	09:22	6.2	Surface	1.0	0.1	281	27.9	28.0	7.9	7.9	24.1	24.0	78.0	77.5	5.3	4.6	2.9	2	3	818174	806165	
						1.0	0.1	283	28.0	28.0	7.9	7.9	24.0	24.0	76.9	77.5	5.3	4.6	3.0	2				
						3.1	0.0	306	25.6	25.6	7.8	7.8	31.4	31.5	56.3	56.7	3.9	3.9	3.8	2				
					3.1	0.0	325	25.6	25.6	7.8	7.8	31.5	31.5	57.1	57.1	3.9	3.9	3.8	3					
					5.2	0.1	323	25.5	25.5	7.8	7.8	31.8	31.7	63.5	66.1	4.3	4.5	4.7	4					
					5.2	0.1	342	25.5	25.5	7.8	7.8	31.7	31.7	68.6	68.6	4.7	4.7	4.8	3					
IM3	Fine	Calm	09:29	6.4	Surface	1.0	0.2	205	27.5	27.5	7.8	7.8	24.8	24.8	69.4	68.8	4.8	4.2	4.2	3	3	818795	805615	
						1.0	0.2	205	27.4	27.4	7.8	7.8	24.8	24.8	68.1	68.1	4.7	4.2	4.2	3				
						3.2	0.2	258	26.8	26.8	7.8	7.8	27.9	27.9	54.8	54.7	3.7	3.7	5.2	3				
					3.2	0.2	275	26.8	26.8	7.8	7.8	28.0	27.9	54.6	54.6	3.7	3.7	5.1	2					
					5.4	0.1	269	25.5	25.5	7.8	7.8	31.7	31.7	57.2	58.1	3.9	4.0	6.7	2					
					5.4	0.1	280	25.5	25.5	7.8	7.8	31.7	31.7	58.9	58.9	4.0	4.0	6.7	2					
IM4	Fine	Calm	09:40	7.8	Surface	1.0	0.9	203	28.1	28.1	8.0	8.0	18.5	18.5	88.3	87.6	6.2	5.5	6.8	<2	3	819709	804592	
						1.0	1.0	205	28.0	28.0	8.0	8.0	18.6	18.6	86.8	86.8	6.1	5.5	6.7	<2				
						3.9	0.7	193	27.1	27.0	7.8	7.8	24.1	24.2	70.3	69.7	4.9	4.8	7.0	2				
					3.9	0.7	204	26.9	26.9	7.8	7.8	24.2	24.2	69.0	69.0	4.8	4.8	7.1	2					
					6.8	0.3	195	26.6	26.5	7.8	7.8	28.5	28.6	60.1	60.0	4.1	4.1	8.7	4					
					6.8	0.3	204	26.4	26.4	7.8	7.8	28.8	28.6	59.9	59.9	4.1	4.1	8.8	3					
IM5	Fine	Calm	09:53	7.2	Surface	1.0	0.9	229	28.2	28.2	7.9	7.9	21.1	21.0	90.7	90.2	6.3	5.9	2.8	3	2	820722	804866	
						1.0	0.9	230	28.1	28.1	7.9	7.9	20.9	20.9	89.6	89.6	6.2	5.9	2.8	2				
						3.6	0.8	233	28.0	28.0	7.8	7.8	22.7	22.7	81.4	80.9	5.6	5.6	3.2	2				
					3.6	0.9	241	27.9	27.9	7.8	7.8	22.7	22.7	80.3	80.3	5.5	5.5	3.1	2					
					6.2	0.7	228	27.8	27.8	7.8	7.8	24.7	24.7	82.1	84.9	5.6	5.8	4.1	2					
					6.2	0.8	244	27.8	27.8	7.8	7.8	24.7	24.7	87.6	87.6	6.0	6.0	4.0	2					
IM6	Fine	Calm	10:01	6.4	Surface	1.0	0.9	241	28.3	28.3	7.8	7.8	21.6	21.6	88.6	88.4	6.1	5.5	6.9	2	2	821046	805812	
						1.0	0.9	250	28.2	28.2	7.8	7.8	21.6	21.6	88.1	88.1	6.1	5.5	6.9	2				
						3.2	0.8	245	27.6	27.6	7.8	7.8	25.3	25.4	71.9	71.6	4.9	4.9	8.0	2				
					3.2	0.8	261	27.6	27.6	7.8	7.8	25.5	25.4	71.3	71.3	4.9	4.9	7.9	3					
					5.4	0.7	236	27.5	27.5	7.8	7.8	26.0	25.9	75.0	77.9	5.1	5.3	8.0	2					
					5.4	0.7	236	27.5	27.5	7.8	7.8	25.9	25.9	80.8	80.8	5.5	5.5	8.1	3					
IM7	Fine	Calm	10:10	7.8	Surface	1.0	0.6	235	27.9	27.9	7.9	7.9	21.5	21.5	85.2	84.2	5.9	5.3	5.6	2	3	821365	806843	
						1.0	0.6	243	27.8	27.8	7.9	7.9	21.6	21.6	83.2	83.2	5.8	5.3	5.6	2				
						3.9	0.6	243	27.6	27.7	7.8	7.8	25.6	25.6	68.9	68.4	4.7	4.7	6.2	3				
					3.9	0.6	244	27.7	27.7	7.8	7.8	25.7	25.6	67.9	67.9	4.6	4.6	6.2	3					
					6.8	0.5	244	28.0	28.1	7.8	7.8	25.6	25.6	72.2	72.9	4.9	5.0	7.1	3					
					6.8	0.6	251	28.1	28.1	7.8	7.8	25.6	25.6	73.5	73.5	5.0	5.0	7.1	3					
IM8	Cloudy	Moderate	08:46	7.2	Surface	1.0	0.4	178	28.6	28.6	8.1	8.1	19.7	19.7	99.0	99.0	6.9	6.7	3.5	2	3	821837	808122	
						1.0	0.4	177	28.6	28.6	8.1	8.1	19.8	19.7	99.0	99.0	6.9	6.7	3.5	3				
						3.6	0.5	181	28.3	28.3	8.1	8.1	20.4	20.4	93.7	93.7	6.5	6.5	4.0	4				
					3.6	0.5	168	28.2	28.2	8.1	8.1	20.4	20.4	93.6	93.6	6.5	6.5	4.2	3					
					6.2	0.5	179	28.1	28.2	8.0	8.0	24.8	24.8	77.2	77.7	5.3	5.3	5.0	3					
					6.2	0.6	166	28.2	28.2	8.0	8.0	24.8	24.8	78.1	78.1	5.3	5.3	5.0	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 17 August 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Calm	15:09	7.0	Surface	1.0	0.3	83	28.7	28.7	7.9	7.9	21.1	21.2	90.3	90.2	6.2	6.2	2.1	3	4	815635	804226			
						1.0	0.3	86	28.7	7.9	7.9	21.2	90.0	6.2	6.2	2.1	3									
					Middle	3.5	0.2	67	28.2	28.2	7.9	7.9	21.7	21.7	88.2	87.8	6.1	6.1	4.0	3						
						3.5	0.2	67	28.1	28.1	7.9	7.9	21.7	21.7	87.4	87.4	6.1	6.1	3.9	3						
					Bottom	6.0	0.1	49	27.4	27.4	7.8	7.8	25.9	25.9	72.8	74.9	5.0	5.0	4.3	4						
						6.0	0.2	51	27.3	27.3	7.8	7.8	26.0	26.0	76.9	76.9	5.3	5.3	4.3	5						
C2	Sunny	Moderate	14:01	11.2	Surface	1.0	0.4	88	29.1	29.1	8.1	8.1	17.1	17.2	17.2	17.2	90.4	90.4	6.3	6.3	3.9	3	2	825681	806954	
						1.0	0.4	87	29.1	29.1	8.1	8.1	17.2	17.2	90.3	90.3	6.3	6.3	4.0	2						
					Middle	5.6	0.5	83	27.1	27.1	8.1	8.1	26.8	26.9	65.3	65.4	4.5	4.5	5.5	5.5						
						5.6	0.5	82	27.0	27.0	8.1	8.1	26.9	26.9	65.4	65.4	4.5	4.5	5.6	3						
					Bottom	10.2	0.5	85	27.0	27.0	8.1	8.1	27.1	27.1	65.6	65.7	4.5	4.5	5.8	5.8						
						10.2	0.5	76	27.0	27.0	8.1	8.1	27.1	27.1	65.7	65.7	4.5	4.5	5.8	<2						
C3	Sunny	Moderate	15:53	11.6	Surface	1.0	0.3	222	29.0	29.0	8.2	8.2	22.1	22.1	122.6	122.5	8.3	8.3	3.4	3	3	822112	817823			
						1.0	0.3	234	29.0	29.0	8.2	8.2	22.1	22.1	122.3	122.3	8.3	8.3	3.4	<2						
					Middle	5.8	0.4	216	27.1	27.1	8.2	8.1	26.7	26.8	78.2	78.2	5.4	5.4	4.6	2						
						5.8	0.4	208	27.0	27.0	8.1	8.1	26.9	26.8	78.1	78.1	5.4	5.4	4.7	3						
					Bottom	10.6	0.5	211	26.7	26.7	8.1	8.1	28.4	28.4	71.7	71.9	4.9	4.9	9.6	3						
						10.6	0.5	200	26.7	26.7	8.1	8.1	28.4	28.4	72.0	72.0	4.9	4.9	10.0	4						
IM1	Fine	Calm	14:48	4.2	Surface	1.0	0.2	334	29.2	29.2	8.0	8.0	20.5	20.5	102.4	102.1	7.0	7.0	5.3	5	4	817968	807151			
						1.0	0.2	359	29.1	29.1	8.0	8.0	20.5	20.5	101.7	101.7	7.0	7.0	5.3	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.2	0.1	311	28.4	28.4	7.9	7.9	23.7	23.7	87.6	88.8	6.0	6.0	6.6	6.6						
						3.2	0.1	337	28.3	28.3	7.9	7.9	23.8	23.8	90.0	90.0	6.2	6.2	6.7	4						
IM2	Fine	Calm	14:40	6.0	Surface	1.0	0.6	324	28.0	28.0	8.0	8.0	21.8	21.8	88.2	87.2	6.1	6.1	4.9	4	5	818179	806152			
						1.0	0.6	336	27.9	27.9	8.0	8.0	21.9	21.9	86.2	86.2	6.0	6.0	5.0	4						
					Middle	3.0	0.5	318	27.6	27.6	7.8	7.8	26.4	26.1	67.0	66.6	4.6	4.6	5.4	4						
						3.0	0.5	341	27.6	27.6	7.8	7.8	25.9	26.1	66.1	66.1	4.5	4.5	5.4	5						
					Bottom	5.0	0.2	286	25.8	25.8	7.8	7.8	31.3	31.3	54.3	54.8	3.7	3.7	6.6	5						
						5.0	0.2	292	25.8	25.8	7.8	7.8	31.3	31.3	55.3	55.3	3.8	3.8	6.6	6						
IM3	Fine	Calm	14:32	6.2	Surface	1.0	0.5	350	28.6	28.6	8.0	8.0	22.5	22.6	100.5	100.3	6.9	6.9	5.5	4	4	818776	805613			
						1.0	0.5	322	28.5	28.5	8.0	8.0	22.6	22.6	100.1	100.1	6.9	6.9	5.5	4						
					Middle	3.1	0.4	320	25.9	25.9	7.8	7.8	29.1	29.2	62.2	60.9	4.3	4.3	6.1	4						
						3.1	0.4	326	25.8	25.8	7.8	7.8	29.2	29.2	59.6	59.6	4.1	4.1	6.2	3						
					Bottom	5.2	0.2	304	25.6	25.6	7.8	7.8	31.5	31.5	51.4	51.5	3.5	3.5	7.3	4						
						5.2	0.2	330	25.6	25.6	7.8	7.8	31.5	31.5	51.6	51.6	3.5	3.5	7.3	3						
IM4	Fine	Calm	14:22	7.6	Surface	1.0	0.3	328	29.4	29.4	7.9	7.9	18.0	18.1	96.4	96.4	6.7	6.7	6.1	4	3	819737	804601			
						1.0	0.3	332	29.4	29.4	7.9	7.9	18.1	18.1	96.3	96.3	6.7	6.7	6.2	3						
					Middle	3.8	0.3	353	26.5	26.4	7.8	7.8	28.5	28.5	67.1	67.1	4.6	4.6	7.1	4						
						3.8	0.3	355	26.3	26.3	7.8	7.8	28.5	28.5	67.0	67.0	4.6	4.6	7.2	3						
					Bottom	6.6	0.2	359	25.9	25.9	7.8	7.8	30.8	30.8	58.4	58.8	4.0	4.0	8.1	3						
						6.6	0.2	352	25.9	25.9	7.8	7.8	30.8	30.8	59.1	59.1	4.0	4.0	8.0	3						
IM5	Fine	Calm	14:15	7.0	Surface	1.0	0.5	302	28.7	28.7	7.8	7.8	18.8	18.8	89.8	89.7	6.3	6.3	4.9	4	4	820736	804844			
						1.0	0.5	325	28.6	28.6	7.8	7.8	18.8	18.8	89.5	89.5	6.3	6.3	4.9	3						
					Middle	3.5	0.3	316	27.7	27.7	7.8	7.8	22.4	22.4	78.4	78.1	5.5	5.5	5.6	3						
						3.5	0.3	322	27.6	27.6	7.8	7.8	22.4	22.4	77.8	77.8	5.4	5.4	5.6	4						
					Bottom	6.0	0.3	336	26.6	26.7	7.8	7.8	28.3	28.2	67.5	69.9	4.6	4.6	6.4	5						
						6.0	0.4	359	26.7	26.7	7.8	7.8	28.1	28.1	72.3	72.3	5.0	5.0	6.5	6						
IM6	Fine	Calm	14:09	6.4	Surface	1.0	0.7	331	29.2	29.2	7.9	7.9	16.0	15.9	100.8	100.7	7.1	7.1	7.5	5	4	821054	805805			
						1.0	0.7	345	29.1	29.1	7.9	7.9	16.7	16.7	100.5	100.5	7.1	7.1	7.5	5						
					Middle	3.2	0.5	330	28.7	28.7	7.9	7.9	18.7	18.7	94.9	94.9	6.6	6.6	8.1	4						
						3.2	0.6	348	28.7	28.7	7.9	7.9	18.6	18.6	94.8	94.8	6.6	6.6	8.1	3						
					Bottom	5.4	0.4	319	28.9	28.9	7.9	7.9	20.7	20.7	88.0	88.3	6.1	6.1	9.0	4						
						5.4	0.4	330	29.0	29.0	7.9	7.9	20.7	20.7	88.6	88.6	6.1	6.1	9.1	2						
IM7	Fine	Calm	14:00	7.4	Surface	1.0	0.5	312	29.1	29.1	8.0	8.0	15.7	15.7	98.7	98.6	6.9	6.9	5.5	5	4	821357	806829			
						1.0	0.6	330	29.1	29.1	8.0	8.0	16.7	16.7	98.4	98.4	6.9	6.9	5.6	4						
					Middle	3.7	0.5	318	28.9	28.9	8.0	8.0	17.6	17.6	96.4	96.3	6.7	6.7	7.7	4						
						3.7	0.6	323	28.9	28.9	8.0	8.0	17.6	17.6	96.2	96.2	6.7	6.7	7.6	4						
					Bottom	6.4	0.5	318	29.3	29.3	8.0	8.0	18.8	18.8	95.8	95.9	6.6	6.6	8.3	4						
						6.4	0.5	324	29.4	29.4	8.0	8.0	18.7	18.8	95.9	95.9	6.6	6.6	8.4	4						
IM8	Sunny	Moderate	14:20	7.2	Surface	1.0	0.5	356	29.7	29.7	8.0	8.0	13.6	13.7	106.0	106.0	7.5	7.5	4.2	3	4	821811	808159			
						1.0	0.5	344	29.6	29.6	8.0	8.0	13.7	13.7	106.0	106.0	7.5	7.5	4.2	3						
					Middle	3.6	0.5	351	29.2	29.2	8.0	8.0	15.4	15.4	105.5	105.5	7.4	7.4	4.3	4						
						3.6	0.5	358	29.1	29.1	8.0	8.0	15.4	15.4	105.5	105.5	7.4	7.4	4.3	3						
					Bottom	6.2	0.5	339	29.0	29.0	7.9	7.9	16.1	16.1	100.6	100.8	7.1	7.1	5.1	5						
						6.2	0.5	346	29.0	29.0	7.9	7.9	18.5	18.5	100.9	100.9	7.0	7.0	5.9	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 17 August 21 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						
IM9	Sunny	Moderate	14:25	7.1	Surface	1.0	0.5	330	29.8	29.8	8.0	8.0	14.3	14.3	105.7	105.7	7.4	7.4	4.1	4	4	822113	808809					
						1.0	0.5	321	29.8	8.0	8.0	14.3	14.3	105.6	105.6	7.4	7.4	4.1	4									
					Middle	3.6	0.4	324	29.2	29.2	8.0	8.0	16.3	16.3	104.1	104.0	7.3	7.3	6.8	4				7.3				
						3.6	0.5	325	29.1	29.1	8.0	8.0	16.3	16.3	103.9	103.9	7.3	7.3	6.8	3								
					Bottom	6.1	0.4	319	28.8	28.9	7.9	7.9	20.2	20.2	82.7	82.7	92.8	92.8	6.4	6.4					11.3	4		
						6.1	0.5	325	28.9	28.9	7.9	7.9	20.2	20.2	82.9	82.9	92.8	92.8	6.4	6.4					11.5	3		
IM10	Sunny	Moderate	14:32	7.4	Surface	1.0	0.5	334	29.8	29.8	8.0	8.0	14.8	14.8	105.4	105.4	7.4	7.4	3.8	3	2	822385	809817					
						1.0	0.5	319	29.7	29.7	8.0	8.0	14.8	14.8	105.3	105.3	7.4	7.4	3.8	2								
					Middle	3.7	0.5	328	29.2	29.2	8.0	8.0	17.4	17.4	100.6	100.7	7.0	7.0	4.4	2				5.6				
						3.7	0.6	336	29.1	29.1	8.0	8.0	17.4	17.4	100.7	100.7	7.0	7.0	4.7	3								
					Bottom	6.4	0.5	329	28.3	28.3	7.9	7.9	22.5	22.9	80.0	80.0	78.1	78.1	5.5	5.4					8.4	2		
						6.4	0.6	325	28.3	28.3	7.9	7.9	23.2	23.2	76.1	76.1	5.2	5.2	8.6	2								
IM11	Sunny	Moderate	14:41	7.6	Surface	1.0	0.5	319	29.5	29.5	8.1	8.1	17.6	17.6	105.0	104.9	7.3	7.3	3.7	3	3	822033	811464					
						1.0	0.5	320	29.4	29.4	8.1	8.1	17.6	17.6	104.8	104.8	7.3	7.3	3.7	2								
					Middle	3.8	0.4	299	28.5	28.5	8.0	8.0	22.6	22.6	85.2	85.4	5.8	5.8	4.8	3				6.7				
						3.8	0.4	289	28.4	28.4	8.0	8.0	22.6	22.6	85.6	85.6	5.9	5.9	5.3	3								
					Bottom	6.6	0.5	301	27.7	27.7	7.9	7.9	24.9	24.9	70.1	70.2	4.8	4.8	11.0	5								
						6.6	0.5	279	27.7	27.7	7.9	7.9	24.9	24.9	70.2	70.2	4.8	4.8	11.6	4								
IM12	Sunny	Moderate	14:47	8.2	Surface	1.0	0.5	299	29.4	29.4	8.1	8.1	17.9	17.9	112.1	112.1	7.8	7.8	3.5	5	5	821476	812028					
						1.0	0.5	298	29.4	29.4	8.1	8.1	17.9	17.9	112.1	112.1	7.8	7.8	3.5	4								
					Middle	4.1	0.5	300	28.4	28.4	8.0	8.0	22.1	22.1	87.2	87.3	6.0	6.0	4.8	5				5.0				
						4.1	0.5	288	28.3	28.3	8.0	8.0	22.0	22.1	87.3	87.3	6.0	6.0	5.0	4								
					Bottom	7.2	0.5	287	27.1	27.1	7.9	7.9	27.1	27.1	64.6	64.6	4.4	4.4	6.6	4								
						7.2	0.5	277	27.1	27.1	7.9	7.9	27.2	27.1	64.5	64.5	4.4	4.4	6.4	5								
SR1A	Sunny	Moderate	15:17	4.8	Surface	1.0	-	-	29.4	29.4	7.9	7.9	19.5	19.5	118.8	118.8	8.2	8.2	3.9	3	4	819980	812662					
						1.0	-	-	29.4	29.4	7.9	7.9	19.5	19.5	118.7	118.7	8.2	8.2	4.1	4								
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	4.7	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-		
					Bottom	3.8	-	-	29.0	29.0	7.8	7.8	21.6	21.6	107.3	107.5	7.3	7.3	5.4	3				7.3				
						3.8	-	-	29.0	29.0	7.8	7.8	21.6	21.6	107.6	107.6	7.3	7.3	5.4	4								
SR2	Sunny	Moderate	15:32	4.6	Surface	1.0	0.0	0	29.6	29.6	8.1	8.1	19.7	19.6	114.1	114.1	7.8	7.8	4.6	3	3	821468	814155					
						1.0	0.0	0	29.6	29.6	8.1	8.1	19.6	19.6	114.0	114.0	7.8	7.8	5.0	4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	6.9
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	
					Bottom	3.6	0.0	0	28.5	28.5	8.1	8.1	23.2	23.2	101.5	101.6	6.9	6.9	8.9	2				6.9				
						3.6	0.0	0	28.5	28.5	8.1	8.1	23.2	23.2	101.6	101.6	6.9	6.9	9.2	3								
SR3	Sunny	Moderate	14:16	8.3	Surface	1.0	0.3	221	29.5	29.5	8.1	8.1	13.2	13.2	104.6	104.5	7.4	7.4	3.6	3	3	822132	807587					
						1.0	0.3	235	29.5	29.5	8.1	8.1	13.3	13.3	104.4	104.4	7.4	7.4	3.6	2								
					Middle	4.2	-	0	28.6	28.6	8.0	8.0	20.1	20.0	91.0	91.1	6.3	6.3	3.5	3					5.6			
						4.2	-	0	28.6	28.6	8.0	8.0	20.0	20.0	91.1	91.1	6.3	6.3	3.5	3								
					Bottom	7.3	0.4	241	28.5	28.5	8.0	8.0	21.0	21.0	86.4	86.4	6.0	6.0	9.7	4								
						7.3	0.4	246	28.5	28.5	8.0	8.0	21.0	21.0	86.3	86.3	6.0	6.0	9.9	5								
SR4A	Fine	Calm	15:27	8.2	Surface	1.0	0.5	83	29.1	29.1	7.9	7.9	22.5	22.5	95.0	94.6	6.4	6.4	4.1	7	7	817187	807817					
						1.0	0.5	85	29.0	29.0	7.9	7.9	22.5	22.5	94.2	94.2	6.4	6.4	4.1	8								
					Middle	4.1	0.6	79	28.6	28.6	7.9	7.9	24.5	24.6	86.3	85.5	5.8	5.8	5.3	8				5.4				
						4.1	0.6	79	28.6	28.6	7.9	7.9	24.6	24.6	84.7	84.7	5.7	5.7	5.3	6								
					Bottom	7.2	0.5	78	28.3	28.2	7.9	7.9	24.7	24.8	78.6	78.8	5.3	5.3	6.8	6								
						7.2	0.5	77	28.1	28.1	7.9	7.9	24.8	24.8	78.9	78.9	5.4	5.4	6.8	6								
SR5A	Fine	Calm	15:45	4.0	Surface	1.0	0.1	300	29.2	29.2	7.9	7.9	23.5	23.6	97.5	97.3	6.6	6.6	5.4	6	6	816598	810684					
						1.0	0.1	314	29.1	29.1	7.9	7.9	23.6	23.6	97.1	97.1	6.6	6.6	5.6	5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	6.0	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-		
					Bottom	3.0	0.2	235	28.9	28.9	7.9	7.9	23.9	23.8	97.4	97.9	6.6	6.6	6.4	6								
						3.0	0.2	235	28.9	28.9	7.9	7.9	23.8	23.8	98.3	98.3	6.6	6.6	6.4	7								
SR6A	Fine	Calm	16:12	3.9	Surface	1.0	0.2	307	29.1	29.1	7.9	7.9	23.5	23.6	98.2	97.8	6.6	6.6	4.4	5	4.9	817984	814740					
						1.0	0.2	336	29.1	29.1	7.9	7.9	23.6	23.6	97.3	97.3	6.6	6.6	4.5	6								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	6.5	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-		
					Bottom	2.9	0.2	292	29.2	29.2	7.9	7.9	23.5	23.5	93.6	95.7	6.3	6.3	5.3	7								
						2.9	0.2	318	29.2	29.2	7.9	7.9	23.5	23.5	97.8	97.8	6.6	6.6	5.4	8								
SR7	Sunny	Moderate	16:29	16.5	Surface	1.0	0.0	224	28.0	28.0	8.2	8.2	24.5	24.5	94.3	94.3	6.4	6.4	3.7	<2	3	823617	823744					
						1.0	0.0	245	28.0	28.0	8.2	8.2	24.5	24.5	94.3	94.3	6.4	6.4	3.8	<2								
					Middle	8.3	-	0	25.7	25.7	8.2	8.2	30.1	30.3	68.9	68.8	4.7	4.7	5.7	2				5.3				
						8.3	-	0	25.6	25.6	8.2	8.2	30.4	30.3	68.7	68.7	4.7	4.7	5.9	3								
					Bottom	15.5	0.1	172	25.1	25.2	8.2	8.2	31.5	31.5	57.0	57.2	3.9	3.9	6.4	3								
						15.5	0.1	178	25.2	25.2	8.2	8.2	31.4	31.4	57.4	57.4	4.0	4.0	6.1	4								
SR8	Sunny	Moderate	14:54	3.9	Surface	1.0	-	-	30.1	30.1	7.9	7.9	19.0	19.0	110.0	109.9	7.5	7.5	5.8	3	3	820403	811599					
						1.0	-	-	30.1	30.1	7.9	7.9	19.0	19.0	109.7	109.7	7.5	7.5	5.9	2								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	9.4	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-		
					Bottom	2.9	-	-	30.1	30.1	7.9	7.9	19.1	19.1	108.9	108.9	7.4	7.4										

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

**Water Quality Monitoring Results on 19 August 21 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	Calm	10:38	8.0	Surface	1.0	0.5	238	28.7	28.7	8.0	8.0	19.0	19.1	89.2	88.8	6.2	5.5	2.5	2.7	4	4	815607	804233			
						1.0	0.5	246	28.7	8.0	8.0	19.1	19.1	88.3	88.3	6.1	5.5	2.4	2.7	4							
					Middle	4.0	0.4	210	26.2	26.1	7.9	7.9	27.9	28.0	69.4	69.2	4.8	4.8	2.6	2.7	4						
						4.0	0.5	220	26.0	26.1	7.9	7.9	28.0	28.0	68.9	68.9	4.7	4.8	2.5	2.7	4						
					Bottom	7.0	0.4	194	25.5	25.5	7.9	7.9	31.4	31.4	68.3	71.5	4.7	4.9	3.2	4.9	4						
						7.0	0.5	200	25.5	25.5	7.9	7.9	31.4	31.4	68.3	71.5	4.7	4.9	3.1	4.9	4						
C2	Fine	Moderate	11:38	8.9	Surface	1.0	0.7	190	28.4	28.4	8.1	8.1	18.3	18.3	99.7	99.6	7.0	5.5	2.2	4.2	3	3	825667	806956			
						1.0	0.7	193	28.4	28.4	8.1	8.1	18.3	18.3	99.5	99.6	7.0	5.5	2.2	4.2	3						
					Middle	4.5	0.3	183	26.2	26.2	7.8	7.8	26.1	26.1	57.6	57.5	4.0	4.0	5.1	5.1	3						
						4.5	0.3	194	26.2	26.2	7.8	7.8	26.1	26.1	57.4	57.4	4.0	4.0	5.2	5.2	3						
					Bottom	7.9	0.4	164	25.9	25.9	7.8	7.8	26.8	26.8	56.1	56.2	3.9	3.9	5.3	5.3	4						
						7.9	0.5	173	25.9	25.9	7.8	7.8	26.8	26.8	56.2	56.2	3.9	3.9	5.3	5.3	3						
C3	Fine	Moderate	09:21	12.9	Surface	1.0	0.7	94	27.8	27.8	8.1	8.1	21.4	21.4	100.0	100.0	7.0	6.4	1.5	2.6	4	4	822122	817788			
						1.0	0.8	98	27.8	27.8	8.1	8.1	21.4	21.4	100.0	100.0	7.0	6.4	1.5	2.6	3						
					Middle	6.5	0.3	93	26.6	26.6	8.0	8.0	24.8	24.8	82.9	82.8	5.8	5.8	2.1	2.6	5						
						6.5	0.3	98	26.6	26.6	8.0	8.0	24.8	24.8	82.7	82.8	5.8	5.8	2.2	2.6	4						
					Bottom	11.9	0.3	51	24.9	24.9	7.9	7.9	28.5	28.5	60.4	60.4	4.3	4.3	4.2	4.3	4						
						11.9	0.3	53	24.9	24.9	7.9	7.9	28.5	28.5	60.4	60.4	4.3	4.3	4.3	4.3	5						
IM1	Fine	Calm	10:58	4.2	Surface	1.0	0.1	204	26.2	26.2	7.8	7.8	29.5	29.5	72.9	72.7	5.0	5.0	5.5	6.0	3	4	817945	807132			
						1.0	0.1	208	26.2	26.2	7.8	7.8	29.5	29.5	72.5	72.5	5.0	5.0	5.5	6.0	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	3.2	0.1	176	25.8	25.8	7.8	7.8	30.5	30.5	70.4	74.1	4.8	5.1	6.5	6.5	4						
						3.2	0.1	185	25.8	25.8	7.8	7.8	30.5	30.5	77.8	74.1	5.3	5.1	6.5	6.5	5						
IM2	Fine	Calm	11:05	6.2	Surface	1.0	0.3	184	26.6	26.6	7.8	7.8	28.3	28.3	72.3	72.4	5.0	5.0	6.7	6.0	2	3	818186	806157			
						1.0	0.3	195	26.6	26.6	7.8	7.8	28.3	28.3	72.4	72.4	5.0	5.0	6.8	6.0	3						
					Middle	3.1	0.2	167	25.5	25.5	7.8	7.8	31.3	31.3	70.2	73.9	4.8	5.0	7.0	6.0	4						
						3.1	0.2	170	25.5	25.5	7.8	7.8	31.3	31.3	77.5	73.9	5.3	5.0	7.0	6.0	3						
					Bottom	5.2	0.1	148	25.5	25.5	7.8	7.8	31.3	31.3	77.8	77.5	5.3	5.3	4.3	5.3	3						
						5.2	0.2	152	25.5	25.5	7.8	7.8	31.3	31.3	77.1	77.5	5.3	5.3	4.3	5.3	4						
IM3	Fine	Calm	11:11	6.4	Surface	1.0	0.2	172	26.0	26.0	7.8	7.8	28.3	28.3	66.1	66.5	4.6	4.6	4.8	5.4	4	3	818801	805597			
						1.0	0.2	176	25.9	26.0	7.8	7.8	28.3	28.3	66.8	66.5	4.6	4.6	4.8	5.4	4						
					Middle	3.2	0.2	142	25.8	25.8	7.8	7.8	30.5	30.5	65.7	65.5	4.5	4.6	5.2	5.4	3						
						3.2	0.2	154	25.8	25.8	7.8	7.8	30.5	30.5	65.2	65.5	4.5	4.6	5.1	5.4	4						
					Bottom	5.4	0.2	136	25.5	25.5	7.8	7.8	31.2	31.2	68.9	69.3	4.7	4.8	6.4	6.4	2						
						5.4	0.2	142	25.5	25.5	7.8	7.8	31.2	31.2	69.6	69.3	4.8	4.8	6.4	6.4	3						
IM4	Fine	Calm	11:20	7.8	Surface	1.0	0.6	193	29.0	29.0	8.1	8.1	20.4	20.3	100.2	99.0	6.9	5.8	4.1	5.4	4	4	819701	804621			
						1.0	0.6	201	29.0	29.0	8.1	8.1	20.3	20.3	97.7	99.0	6.7	5.8	4.0	5.4	4						
					Middle	3.9	0.4	169	26.9	27.0	7.9	7.8	24.6	24.8	72.0	69.4	5.0	5.0	5.9	5.4	4						
						3.9	0.5	173	27.0	27.0	7.8	7.8	25.0	25.0	66.7	69.4	4.6	5.0	5.8	5.4	4						
					Bottom	6.8	0.5	140	27.4	27.5	7.8	7.8	27.4	27.4	71.3	72.9	4.8	4.9	6.3	6.3	5						
						6.8	0.5	153	27.5	27.5	7.8	7.8	27.3	27.4	74.4	72.9	5.0	4.9	6.3	6.3	4						
IM5	Fine	Calm	11:29	7.2	Surface	1.0	0.4	224	27.8	27.8	8.0	8.0	22.0	22.0	90.9	89.7	6.3	5.8	5.8	6.5	4	3	820725	804843			
						1.0	0.5	242	27.7	27.8	8.0	8.0	21.9	22.0	88.5	89.7	6.2	5.8	5.7	6.5	4						
					Middle	3.6	0.5	199	27.5	27.5	7.9	7.9	23.9	23.9	76.1	75.7	5.3	5.0	6.5	6.5	3						
						3.6	0.5	199	27.5	27.5	7.9	7.9	23.9	23.9	75.2	75.7	5.2	5.0	6.5	6.5	3						
					Bottom	6.2	0.4	174	27.6	27.6	7.9	7.9	27.3	27.2	72.0	73.0	4.9	5.0	7.1	7.1	3						
						6.2	0.5	175	27.6	27.6	7.9	7.9	27.2	27.2	73.9	73.0	5.0	5.0	7.2	7.2	2						
IM6	Fine	Calm	11:36	6.4	Surface	1.0	0.3	264	28.6	28.6	8.0	8.0	21.7	21.7	84.2	83.3	5.8	5.0	4.4	5.5	3	3	821057	805825			
						1.0	0.3	271	28.6	28.6	8.0	8.0	21.6	21.7	82.4	83.3	5.7	5.0	4.3	5.5	2						
					Middle	3.2	0.3	184	26.3	26.3	7.8	7.8	26.8	26.9	60.8	60.2	4.2	4.1	5.9	5.5	4						
						3.2	0.3	186	26.2	26.2	7.8	7.8	27.0	27.0	59.6	60.2	4.1	4.1	5.9	5.5	2						
					Bottom	5.4	0.3	186	26.1	26.1	7.8	7.8	29.6	29.6	62.8	63.5	4.3	4.4	6.2	6.2	4						
						5.4	0.3	187	26.1	26.1	7.8	7.8	29.6	29.6	64.1	63.5	4.4	4.4	6.2	6.2	3						
IM7	Fine	Calm	11:46	7.8	Surface	1.0	0.2	242	28.5	28.5	8.0	8.0	21.9	21.9	80.1	76.7	5.5	4.7	2.0	2.7	2	3	821343	806840			
						1.0	0.2	248	28.5	28.5	8.0	8.0	21.9	21.9	73.3	76.7	5.0	4.7	2.0	2.7	3						
					Middle	3.9	0.2	197	26.5	26.5	7.8	7.8	27.1	27.1	60.4	60.2	4.2	4.1	2.5	2.7	4						
						3.9	0.2	214	26.4	26.4	7.8	7.8	27.1	27.1	59.9	60.2	4.1	4.1	2.4	2.7	3						
					Bottom	6.8	0.1	159	26.1	26.1	7.8	7.8	29.8	29.7	68.7	70.3	4.7	4.8	3.9	3.8	4						
						6.8	0.1	165	26.1	26.1	7.8	7.8	29.7	29.7	71.8	70.3	4.9	4.8	3.8	3.8	4						
IM8	Fine	Rough	11:07	8.0	Surface	1.0	0.1	139	27.9	27.9	8.0	8.0	21.0	21.0	90.2	90.1	6.3	5.7	2.4	3.3	5	3	821841	808159			
						1.0	0.1	142	27.9	27.9	8.0	8.0	21.0	21.0	90.0	90.1	6.3	5.7	2.4	3.3	4						
					Middle	4.0	0.1	103	27.4	27.4	7.9	7.9	22.5	22.5	73.0	73.0	5.1	5.1	2.9	3.3	3						
						4.0	0.1	112	27.3	27.3	7.9	7.9	22.5	22.5	72.9	73.0	5.1	5.1	2.9	3.3	3						
					Bottom	7.0	0.2	166	26.4	26.4	7.8	7.8	25.2	25.2	56.3	56.3	3.9	3.9	4.5	4.5	2						
						7.0	0.2	167	26.4	26.4	7.8	7.8	25.2	25.2	56.3	56.3	3.9	3.9	4.5	4.5	3						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 19 August 21 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							
IM9	Fine	Rough	11:01	8.1	Surface	1.0	0.2	129	27.7	27.7	7.9	7.9	21.6	21.7	79.8	79.8	5.6	5.6	2.7	2.7	2	2	3	822090	808812				
						1.0	0.2	139	27.6	27.6	7.9	7.9	21.7	21.7	79.7	79.7	5.6	5.6	2.7	2.7	2	2							
					Middle	4.1	0.1	99	27.3	27.3	7.9	7.9	22.6	22.6	70.9	70.9	5.0	5.0	3.2	3.2	3	3							
						4.1	0.1	102	27.3	27.3	7.9	7.9	22.6	22.6	70.8	70.8	5.0	5.0	3.2	3.2	3	3							
					Bottom	7.1	0.1	48	26.6	26.6	7.8	7.8	24.8	24.8	58.1	58.1	4.1	4.1	4.2	4.2	4	4							
						7.1	0.2	49	26.6	26.6	7.8	7.8	24.8	24.8	58.0	58.0	4.1	4.1	4.2	4.2	5	5							
IM10	Fine	Rough	10:53	7.5	Surface	1.0	0.6	113	27.9	27.9	8.0	8.0	20.5	20.5	88.8	88.8	6.2	6.2	2.5	2.5	4	4	3	822383	809782				
						1.0	0.6	113	27.9	27.9	8.0	8.0	20.5	20.5	88.7	88.7	6.2	6.2	2.5	2.5	3	3							
					Middle	3.8	0.5	108	27.5	27.5	7.9	7.9	22.0	22.0	73.1	73.1	5.1	5.1	3.1	3.1	3	3							
						3.8	0.6	113	27.5	27.5	7.9	7.9	22.0	22.0	73.1	73.1	5.1	5.1	3.0	3.0	4	4							
					Bottom	6.5	0.5	107	25.9	25.9	7.8	7.8	26.6	26.6	49.5	49.5	3.5	3.5	9.7	9.7	3	3							
						6.5	0.5	114	25.9	25.9	7.8	7.8	26.6	26.6	50.0	50.0	3.5	3.5	9.5	9.5	3	3							
IM11	Fine	Rough	10:41	7.9	Surface	1.0	0.7	118	28.4	28.4	8.0	8.0	20.0	20.0	98.4	98.3	6.8	6.8	2.0	2.0	2	2	2	822042	811461				
						1.0	0.8	124	28.4	28.4	8.0	8.0	20.0	20.0	98.2	98.2	6.8	6.8	2.0	2.0	2	2							
					Middle	4.0	0.7	98	27.2	27.2	7.9	7.9	23.2	23.2	64.9	64.9	4.5	4.5	3.7	3.7	2	2							
						4.0	0.7	106	27.2	27.2	7.9	7.9	23.2	23.2	64.8	64.8	4.5	4.5	3.7	3.7	3	3							
					Bottom	6.9	0.4	104	25.9	25.9	7.8	7.8	26.7	26.7	49.5	49.6	3.5	3.5	5.2	5.2	3	3							
						6.9	0.4	111	25.9	25.9	7.8	7.8	26.7	26.7	49.7	49.7	3.5	3.5	5.2	5.2	2	2							
IM12	Fine	Rough	10:34	8.6	Surface	1.0	0.7	100	28.3	28.3	8.0	8.0	20.2	20.2	98.8	98.7	6.9	6.9	1.9	1.9	2	2	3	821479	812051				
						1.0	0.7	101	28.3	28.3	8.0	8.0	20.2	20.2	98.6	98.6	6.9	6.9	1.9	1.9	2	2							
					Middle	4.3	0.5	82	26.4	26.4	7.8	7.8	25.4	25.3	54.6	54.7	3.8	3.8	7.2	7.2	2	2							
						4.3	0.6	89	26.4	26.4	7.8	7.8	25.3	25.3	54.7	54.7	3.8	3.8	7.3	7.3	3	3							
					Bottom	7.6	0.3	55	26.1	26.1	7.8	7.8	26.0	26.0	53.4	53.6	3.7	3.7	6.3	6.3	3	3							
						7.6	0.3	58	26.1	26.1	7.8	7.8	26.0	26.0	53.7	53.7	3.8	3.8	6.3	6.3	4	4							
SR1A	Fine	Moderate	10:02	3.9	Surface	1.0	-	-	28.3	28.3	8.0	8.0	20.8	20.8	98.5	98.5	6.8	6.8	2.0	2.0	4	4	4	819983	812655				
						1.0	-	-	28.3	28.3	8.0	8.0	20.8	20.8	98.4	98.4	6.8	6.8	2.0	2.0	4	4							
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2.0	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	2.9	-	-	27.9	27.9	8.0	8.0	21.4	21.4	93.5	93.4	6.5	6.5	2.1	2.1	3	3							
						2.9	-	-	27.9	27.9	8.0	8.0	21.4	21.4	93.3	93.3	6.5	6.5	2.1	2.1	3	3							
SR2	Fine	Moderate	09:45	4.2	Surface	1.0	0.5	76	28.0	28.0	8.0	8.0	20.6	20.6	89.5	89.5	6.2	6.2	2.0	2.0	2	2	3	821468	814166				
						1.0	0.5	78	28.0	28.0	8.0	8.0	20.6	20.6	89.5	89.5	6.2	6.2	2.0	2.0	2	2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3.3	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.2	0.3	66	27.0	27.0	7.9	7.8	23.6	23.6	66.0	66.1	4.6	4.6	4.6	4.6	4	4							
						3.2	0.3	66	27.0	27.0	7.8	7.8	23.6	23.6	66.1	66.1	4.6	4.6	4.7	4.7	4	4							
SR3	Fine	Rough	11:13	8.3	Surface	1.0	0.2	208	28.2	28.2	8.0	8.0	19.5	19.5	96.8	96.8	6.8	6.8	2.2	2.2	2	2	3	822155	807592				
						1.0	0.2	212	28.2	28.2	8.0	8.0	19.5	19.5	96.7	96.7	6.8	6.8	2.2	2.2	2	2							
					Middle	4.2	0.2	209	27.4	27.4	7.9	7.9	22.4	22.4	69.3	69.3	4.8	4.8	3.4	3.4	3	3							
						4.2	0.2	212	27.4	27.4	7.9	7.9	22.4	22.4	69.2	69.2	4.8	4.8	3.4	3.4	3	3							
					Bottom	7.3	0.2	213	26.0	26.0	7.8	7.8	26.4	26.3	51.2	51.2	3.6	3.6	5.6	5.6	3	3							
						7.3	0.2	219	26.0	26.0	7.8	7.8	26.3	26.3	51.2	51.2	3.6	3.6	5.6	5.6	4	4							
SR4A	Fine	Calm	10:20	8.8	Surface	1.0	0.1	275	28.0	28.1	7.9	7.8	24.7	24.6	72.5	71.9	5.0	5.0	4.5	4.5	8	8	8	817201	807812				
						1.0	0.1	292	28.1	28.1	7.8	7.8	24.6	24.6	71.3	71.3	4.9	4.9	4.5	4.5	8	8							
					Middle	4.4	0.1	268	25.8	25.8	7.8	7.8	30.6	30.6	65.3	65.3	4.5	4.5	5.5	5.5	7	7							
						4.4	0.1	269	25.8	25.8	7.8	7.8	30.7	30.7	65.2	65.2	4.5	4.5	5.4	5.4	8	8							
					Bottom	7.8	0.1	259	25.8	25.8	7.8	7.8	30.7	30.7	69.9	69.9	4.8	4.8	6.3	6.3	7	7							
						7.8	0.1	270	25.8	25.8	7.8	7.8	30.7	30.7	69.8	69.8	4.8	4.8	6.4	6.4	7	7							
SR5A	Fine	Calm	10:06	5.0	Surface	1.0	0.2	349	27.8	27.8	7.9	7.9	25.1	25.1	76.9	76.5	5.3	5.3	5.8	5.8	6	6	6	816599	810679				
						1.0	0.2	321	27.8	27.8	7.9	7.9	25.1	25.1	76.1	76.1	5.2	5.2	5.9	5.9	5	5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.0	0.1	324	27.8	27.8	7.9	7.9	25.3	25.2	73.0	73.3	5.0	5.0	6.5	6.5	7	7							
						4.0	0.1	330	27.8	27.8	7.9	7.9	25.2	25.2	73.6	73.6	5.0	5.0	6.5	6.5	6	6							
SR6A	Fine	Calm	09:40	4.0	Surface	1.0	0.1	60	27.5	27.5	7.9	7.9	24.7	24.7	74.5	74.2	5.1	5.1	7.1	7.1	5	5	6	817950	814745				
						1.0	0.1	62	27.5	27.5	7.9	7.9	24.7	24.7	73.8	73.8	5.1	5.1	7.0	7.0	5	5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	7.8	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.0	0.1	227	27.2	27.2	7.9	7.9	26.9	26.9	69.0	69.1	4.7	4.7	8.6	8.6	6	6							
						3.0	0.1	237	27.2	27.2	7.9	7.9	26.8	26.8	69.2	69.2	4.7	4.7	8.5	8.5	7	7							
SR7	Fine	Moderate	08:45	16.5	Surface	1.0	0.8	40	27.7	27.7	8.1	8.1	21.5	21.5	103.4	103.6	7.2	7.2	1.6	1.6	4	4	3	823612	823741				
						1.0	0.8	43	27.7	27.7	8.1	8.1	21.5	21.5	103.7	103.7	7.2	7.2	1.6	1.6	3	3							
					Middle	8.3	0.5	25	26.4	26.4	8.0	8.0	25.0	25.0	82.2	82.2	5.8	5.8	2.4	2.4	4	4							
						8.3	0.5	27	26.4	26.4	8.0	8.0	25.0	25.0	82.1	82.1	5.8	5.8	2.4	2.4	4	4							
					Bottom	15.5	0.4	347	26.3	26.3	8.0	8.0	25.2	25.2	80.2	80.2	5.6	5.6	2.6	2.6	2	2							
						15.5	0.4	319	26.3	26.3	8.0	8.0	25.2	25.2	80.1	80.1													

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

**Water Quality Monitoring Results on 19 August 21 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Fine	Calm	17:30	7.0	Surface	1.0	0.5	40	27.4	27.4	7.9	7.9	27.2	27.2	71.9	71.4	4.9	4.4	4	4	815633	804245			
						1.0	0.6	42	27.4	7.9	7.9	27.1	70.8	4.8	4.3										
					Middle	3.5	0.4	28	25.9	25.9	7.9	7.9	30.5	30.6	59.6	59.5	4.1	5.6	4						
						3.5	0.4	28	25.9	25.9	7.9	7.9	30.7	30.8	59.3	59.3	4.1	5.6	4						
					Bottom	6.0	0.3	19	25.8	25.8	7.9	7.9	30.8	30.8	65.2	66.5	4.5	6.3	5						
						6.0	0.4	20	25.8	25.8	7.9	7.9	30.7	30.7	67.8	67.8	4.6	6.3	4						
C2	Sunny	Rough	16:31	7.6	Surface	1.0	0.4	333	28.6	28.6	7.9	7.9	16.0	16.0	81.5	81.4	5.8	2.8	2	4	825686	806962			
						1.0	0.5	306	28.5	28.5	7.9	7.9	16.0	16.0	81.3	81.3	5.8	2.8	4						
					Middle	3.8	0.6	341	27.4	27.4	7.8	7.8	20.9	20.9	68.3	68.3	4.8	4.7	4						
						3.8	0.7	356	27.4	27.4	7.8	7.8	20.8	20.8	68.3	68.3	4.8	4.7	5						
					Bottom	6.6	0.5	344	26.5	26.5	7.8	7.8	24.1	24.1	58.0	58.0	4.1	6.8	5						
						6.6	0.5	316	26.5	26.5	7.8	7.8	24.1	24.1	58.0	58.0	4.1	6.8	4						
C3	Sunny	Moderate	18:29	10.6	Surface	1.0	0.4	270	27.2	27.2	8.0	8.0	23.2	23.2	86.7	86.8	6.0	4.1	4	4	822102	817812			
						1.0	0.4	275	27.2	27.2	8.0	8.0	23.3	23.2	86.8	86.8	6.1	4.1	5						
					Middle	5.3	0.4	253	27.1	27.1	8.0	8.0	23.6	23.6	82.8	82.8	5.8	3.8	4						
						5.3	0.4	276	27.1	27.1	8.0	8.0	23.6	23.6	82.8	82.8	5.8	3.8	5						
					Bottom	9.6	0.3	259	27.0	27.0	7.9	7.9	23.8	23.8	80.1	80.1	5.6	4.0	4						
						9.6	0.3	280	27.0	27.0	7.9	7.9	23.8	23.8	80.1	80.1	5.6	4.0	3						
IM1	Fine	Calm	17:13	4.0	Surface	1.0	0.2	27	27.7	27.8	7.9	7.9	26.3	26.2	82.4	81.5	5.6	6.1	5	6.6	5	817929	807152		
						1.0	0.2	28	27.8	27.8	8.0	8.0	26.2	26.2	80.6	80.6	5.5	6.1	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-
					Bottom	3.0	0.1	357	26.0	26.1	7.8	7.8	30.2	30.1	72.3	75.6	5.0	7.1	5						
						3.0	0.1	328	26.1	26.1	7.8	7.8	30.1	30.1	78.8	78.8	5.4	7.1	6						
IM2	Fine	Calm	17:09	6.0	Surface	1.0	0.3	355	27.4	27.4	7.9	7.9	27.1	27.0	73.2	71.0	5.0	2.7	6	3.5	7	818186	806147		
						1.0	0.3	359	27.4	27.4	7.9	7.9	26.9	26.9	68.7	68.7	4.7	2.6	7						
					Middle	3.0	0.4	358	26.3	26.4	7.9	7.9	29.2	29.3	63.7	61.5	4.4	3.7	7						
						3.0	0.4	329	26.4	26.4	7.9	7.9	29.3	29.3	59.2	59.2	4.1	3.7	8						
					Bottom	5.0	0.2	1	26.6	26.7	7.9	7.9	29.3	29.2	60.0	60.6	4.1	4.2	8						
						5.0	0.2	1	26.7	26.7	7.9	7.9	29.2	29.2	61.2	61.2	4.2	4.1	7						
IM3	Fine	Calm	17:00	6.0	Surface	1.0	0.5	351	26.6	26.6	7.9	7.9	27.3	27.4	75.4	74.8	5.2	5.1	5	6.5	4	818771	805601		
						1.0	0.5	323	26.5	26.5	7.9	7.9	27.4	27.4	74.1	74.1	5.1	5.1	4						
					Middle	3.0	0.3	353	26.1	26.1	7.8	7.8	29.5	29.6	64.0	63.8	4.4	6.9	4						
						3.0	0.4	325	26.1	26.1	7.8	7.8	29.7	29.7	63.6	63.6	4.4	6.8	5						
					Bottom	5.0	0.4	332	25.8	25.8	7.8	7.8	30.5	30.6	54.1	54.1	3.7	7.5	4						
						5.0	0.4	344	25.7	25.7	7.8	7.8	30.6	30.6	54.1	54.1	3.7	7.6	4						
IM4	Fine	Calm	16:49	7.6	Surface	1.0	0.7	4	27.9	27.9	7.9	7.9	22.6	22.5	83.8	83.5	5.8	4.8	6	5.3	7	819714	804609		
						1.0	0.7	4	27.8	27.8	7.9	7.9	22.5	22.5	83.1	83.1	5.7	4.8	7						
					Middle	3.8	0.7	356	27.8	27.8	7.9	7.9	24.1	24.0	77.9	77.8	5.4	5.0	7						
						3.8	0.7	357	27.8	27.8	7.9	7.9	24.0	24.0	77.7	77.7	5.3	5.0	8						
					Bottom	6.6	0.4	347	28.0	28.0	7.9	7.9	23.6	23.5	78.3	78.8	5.4	6.2	8						
						6.6	0.4	356	28.0	28.0	7.9	7.9	23.4	23.4	79.2	79.2	5.4	6.2	7						
IM5	Fine	Calm	16:42	7.0	Surface	1.0	1.2	12	27.9	27.9	7.9	7.9	22.5	22.4	85.0	82.9	5.9	4.0	10	5.5	11	820742	804867		
						1.0	1.2	12	27.8	27.8	7.9	7.9	22.3	22.3	80.7	80.7	5.6	4.0	11						
					Middle	3.5	1.0	7	28.0	28.1	7.9	7.9	24.2	24.2	81.1	81.4	5.6	6.0	11						
						3.5	1.1	7	28.1	28.1	7.9	7.9	24.2	24.2	81.6	81.6	5.6	6.0	10						
					Bottom	6.0	0.7	12	28.3	28.4	7.9	7.9	24.1	24.1	83.5	84.1	5.7	6.5	12						
						6.0	0.8	12	28.4	28.4	7.9	7.9	24.1	24.1	84.7	84.7	5.8	6.6	11						
IM6	Fine	Calm	16:38	6.4	Surface	1.0	0.0	247	28.4	28.4	7.9	7.9	21.2	21.3	90.4	90.3	6.2	3.9	5	4.6	5	821044	805850		
						1.0	0.0	264	28.4	28.4	7.9	7.9	21.4	21.4	90.2	90.2	6.2	3.9	4						
					Middle	3.2	0.3	62	28.4	28.4	7.9	7.9	21.7	21.7	90.0	90.1	6.2	4.6	5						
						3.2	0.4	66	28.4	28.4	7.9	7.9	21.7	21.7	90.1	90.1	6.2	4.5	5						
					Bottom	5.4	0.3	52	28.4	28.5	7.9	7.9	21.3	21.3	90.7	90.8	6.3	5.5	5						
						5.4	0.3	56	28.5	28.5	7.9	7.9	21.2	21.2	90.8	90.8	6.3	5.3	6						
IM7	Fine	Calm	16:33	6.9	Surface	1.0	0.1	243	28.4	28.4	7.9	7.9	21.2	21.2	90.9	90.9	6.3	5.5	3	6.7	4	821371	806848		
						1.0	0.1	247	28.4	28.4	7.9	7.9	21.3	21.3	90.8	90.8	6.3	5.4	4						
					Middle	3.5	0.1	177	28.3	28.3	7.9	7.9	22.1	22.1	90.6	90.6	6.2	6.8	3						
						3.5	0.1	178	28.3	28.3	7.9	7.9	22.1	22.1	90.6	90.6	6.2	6.8	4						
					Bottom	5.9	0.2	89	28.3	28.3	7.9	7.9	22.3	22.3	91.3	91.5	6.3	7.9	4						
						5.9	0.2	89	28.3	28.3	7.9	7.9	22.3	22.3	91.6	91.6	6.3	7.9	4						
IM8	Sunny	Rough	16:51	6.9	Surface	1.0	0.1	232	28.4	28.4	8.0	8.0	17.8	17.8	93.5	93.5	6.6	3.9	4	7.3	5	821836	808135		
						1.0	0.1	249	28.4	28.4	8.0	8.0	17.8	17.8	93.5	93.5	6.6	3.9	5						
					Middle	3.5	0.1	251	28.2	28.2	8.0	8.0	18.8	18.8	93.7	93.7	6.6	8.8	4						
						3.5	0.1	271	28.2	28.2	8.0	8.0	18.8	18.8	93.7	93.7	6.6	8.8	5						
					Bottom	5.9	0.1	89	28.1	28.1	8.0	8.0	19.4	19.4	92.2	92.2	6.5	9.1	5						
						5.9	0.1	94	28.1	28.1	8.0	8.0	19.3	19.3	92.2	92.2	6.5	9.1	5						

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 19 August 21 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				
IM9	Sunny	Rough	17:00	7.4	Surface	1.0	0.2	296	28.6	28.6	7.9	7.9	15.5	15.5	93.1	93.1	6.6	6.6	2.1	3	3	822073	808793			
						1.0	0.2	315	28.5	28.6	7.9	7.9	15.6	15.6	93.0	93.0	6.6	6.6	2.1	4						
					Middle	3.7	0.4	250	28.2	28.2	7.9	7.9	18.9	18.9	89.0	89.0	6.3	6.3	3.1	3				3.4		
						6.4	0.4	250	28.2	28.2	7.9	7.9	18.9	18.9	89.0	89.0	6.3	6.3	3.1	3						
					Bottom	6.4	0.3	251	28.0	28.0	7.9	7.9	19.6	19.6	87.0	87.0	6.1	6.1	5.1	3						
						6.4	0.3	268	28.0	28.0	7.9	7.9	19.6	19.6	87.0	87.0	6.1	6.1	5.1	3						
IM10	Sunny	Rough	17:07	7.1	Surface	1.0	0.7	307	28.1	28.1	7.9	7.9	19.6	19.6	86.1	86.0	6.0	6.0	3.7	5	4	822390	809784			
						1.0	0.7	321	28.1	28.1	7.9	7.9	19.6	19.6	85.9	86.0	6.0	6.0	3.7	4						
					Middle	3.6	0.7	294	27.7	27.7	7.9	7.9	21.3	21.3	78.4	78.4	5.5	5.5	5.2	5						
						3.6	0.8	300	27.7	27.7	7.9	7.9	21.3	21.3	78.4	78.4	5.5	5.5	5.3	4						
					Bottom	6.1	0.4	271	27.6	27.6	7.9	7.9	21.3	21.3	77.9	78.0	5.5	5.5	5.5	4						
						6.1	0.4	274	27.6	27.6	7.9	7.9	21.3	21.3	77.9	78.0	5.5	5.5	5.4	4						
IM11	Sunny	Rough	17:17	7.9	Surface	1.0	0.5	296	28.1	28.1	7.9	7.9	19.8	19.8	89.8	89.8	6.3	6.3	2.9	3	4	822077	811481			
						1.0	0.5	321	28.1	28.1	7.9	7.9	19.8	19.8	89.8	89.8	6.3	6.3	2.9	4						
					Middle	4.0	0.6	287	27.7	27.7	7.9	7.9	21.1	21.1	83.5	83.6	5.8	5.8	3.6	5						
						4.0	0.6	313	27.7	27.7	7.9	7.9	21.1	21.1	83.6	83.6	5.8	5.8	3.6	4						
					Bottom	6.9	0.3	280	27.6	27.6	7.9	7.9	21.7	21.7	77.8	77.8	5.4	5.4	4.9	4						
						6.9	0.3	299	27.6	27.6	7.9	7.9	21.7	21.7	77.8	77.8	5.4	5.4	4.9	5						
IM12	Sunny	Rough	17:22	8.1	Surface	1.0	0.5	275	28.2	28.2	8.0	8.0	19.6	19.6	95.4	95.4	6.7	6.7	2.8	4	4	821448	812045			
						1.0	0.6	289	28.2	28.2	7.9	7.9	20.8	20.7	86.2	86.3	6.0	6.0	4.5	4						
					Middle	4.1	0.6	265	27.9	27.9	7.9	7.9	20.8	20.7	86.2	86.3	6.0	6.0	4.5	4						
						4.1	0.6	278	27.9	27.9	7.9	7.9	20.7	20.7	86.4	86.4	6.0	6.0	4.5	4						
					Bottom	7.1	0.3	269	27.5	27.5	7.9	7.9	22.1	22.0	76.7	76.7	5.4	5.4	5.5	4						
						7.1	0.4	288	27.6	27.6	7.9	7.9	22.0	22.0	76.7	76.7	5.4	5.4	5.5	4						
SR1A	Sunny	Moderate	17:52	3.6	Surface	1.0	-	-	28.4	28.4	8.1	8.1	20.1	20.1	113.1	113.1	7.9	7.9	3.1	4	5	819981	812664			
						1.0	-	-	28.4	28.4	8.1	8.1	20.1	20.1	113.1	113.1	7.9	7.9	3.1	5						
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	2.6	-	-	28.2	28.2	8.1	8.1	20.7	20.7	107.0	107.0	7.4	7.4	3.4	5						
						2.6	-	-	28.2	28.2	8.1	8.1	20.7	20.7	106.9	107.0	7.4	7.4	3.3	4						
SR2	Sunny	Moderate	18:06	4.0	Surface	1.0	0.2	190	28.3	28.3	8.1	8.1	20.0	20.0	104.5	104.5	7.3	7.3	2.5	4	4	821476	814148			
						1.0	0.2	195	28.3	28.3	8.1	8.1	20.0	20.0	104.5	104.5	7.3	7.3	2.5	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.0	0.2	209	28.1	28.1	8.0	8.0	20.3	20.3	99.3	99.3	6.9	6.9	2.7	4						
						3.0	0.2	211	28.1	28.1	8.0	8.0	20.3	20.3	99.3	99.3	6.9	6.9	2.7	3						
SR3	Sunny	Rough	16:45	7.8	Surface	1.0	0.1	275	28.2	28.2	7.9	7.9	18.8	18.8	85.1	84.9	6.0	6.0	3.0	6	5	822134	807593			
						1.0	0.1	299	28.2	28.2	7.9	7.9	18.8	18.8	84.7	84.9	6.0	6.0	3.1	5						
					Middle	3.9	0.2	269	27.4	27.4	7.9	7.9	21.6	21.6	75.2	75.2	5.3	5.3	3.2	4						
						3.9	0.2	293	27.4	27.4	7.9	7.9	21.6	21.6	75.1	75.1	5.3	5.3	3.2	4						
					Bottom	6.8	0.1	40	27.3	27.3	7.9	7.9	22.1	22.1	74.0	74.0	5.2	5.2	4.3	4						
						6.8	0.1	43	27.3	27.3	7.9	7.9	22.1	22.1	74.0	74.0	5.2	5.2	4.4	4						
SR4A	Fine	Calm	17:42	8.2	Surface	1.0	0.3	236	26.5	26.5	7.9	7.9	29.3	29.4	72.1	71.8	4.9	4.9	3.2	4	4	817187	807815			
						1.0	0.3	247	26.4	26.4	7.9	7.9	29.5	29.5	71.4	71.8	4.9	4.9	3.2	4						
					Middle	4.1	0.1	138	26.2	26.2	7.9	7.9	30.0	30.1	65.3	65.2	4.4	4.4	4.7	4						
						4.1	0.1	150	26.1	26.1	7.9	7.9	30.2	30.1	65.1	65.2	4.5	4.5	4.7	4						
					Bottom	7.2	0.1	77	25.8	25.8	7.9	7.9	30.8	30.7	69.8	69.7	4.8	4.8	5.5	4						
						7.2	0.1	82	25.8	25.8	7.9	7.9	30.7	30.7	69.5	69.7	4.8	4.8	5.5	4						
SR5A	Fine	Calm	18:01	4.0	Surface	1.0	0.1	235	27.3	27.4	7.9	7.9	27.8	27.9	79.9	79.5	5.4	5.4	6.0	4	4	816612	810715			
						1.0	0.1	254	27.4	27.4	7.9	7.9	27.9	27.9	79.1	79.5	5.4	5.4	6.0	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.0	0.0	357	27.5	27.6	7.9	7.9	27.9	27.8	85.3	86.0	5.8	5.9	6.7	3						
						3.0	0.0	328	27.6	27.6	7.9	7.9	27.8	27.8	86.7	86.0	5.9	5.9	6.7	4						
SR6A	Fine	Calm	18:30	3.9	Surface	1.0	0.1	217	28.5	28.5	8.1	8.1	24.5	24.5	94.2	93.0	6.4	6.4	4.3	5	6	817984	814735			
						1.0	0.1	231	28.5	28.5	8.1	8.1	24.5	24.5	91.8	93.0	6.2	6.2	4.4	6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	2.9	0.0	256	27.2	27.2	7.9	7.9	27.8	27.7	73.7	75.6	5.0	5.2	5.7	6						
						2.9	0.0	264	27.2	27.2	7.9	7.9	27.7	27.7	77.4	75.6	5.3	5.3	5.7	7						
SR7	Sunny	Moderate	19:02	14.7	Surface	1.0	0.1	101	27.5	27.5	8.0	8.0	22.9	22.9	96.0	96.0	6.7	6.7	2.3	5	5	823637	823734			
						1.0	0.1	101	27.5	27.5	8.0	8.0	22.9	22.9	96.0	96.0	6.7	6.7	2.4	6						
					Middle	7.4	0.1	224	26.6	26.6	7.9	7.9	24.8	24.8	74.7	74.8	5.2	5.2	3.1	4						
						7.4	0.1	244	26.6	26.6	7.9	7.9	24.8	24.8	74.8	74.8	5.2	5.2	3.1	5						
					Bottom	13.7	0.0	215	26.0	26.0	7.9	7.9	26.3	26.3	66.9	67.1	4.7	4.7	4.2	3						
						13.7	0.0	219	25.9	26.0	7.9	7.9	26.3	26.3	67.2	67.1	4.7	4.7	4.2	4						
SR8	Sunny	Rough	17:31	3.9	Surface	1.0	-	-	28.9	28.9	8.1	8.1	17.1	17.2	109.8	109.8	7.7	7.7	3.6	5	5	820375	811599			
						1.0	-	-	28.9	28.9	8.1	8.1	17.2	17.2	109.8	109.8	7.7	7.7	3.6	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	2.9	-	-	28.9	28.9	8.1	8.1	19.6	19.2	109.8	109.9	7.6	7.7	4.4	6						
						2.9	-	-	28.9	28.9	8.1	8.1	18.8	18.8	110.0	109.9	7.7	7.7	4.4	5						

DA: Depth-Averaged  
Calm: Small or no wave; Moderate: Between calm and



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

**Water Quality Monitoring Results on 21 August 21 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	11:57	8.9	Surface	1.0	0.6	230	28.0	28.0	8.0	8.0	24.8	24.8	95.3	95.2	6.5	6.1	2.9	3.2	5	3	815613	804258
						1.0	0.6	238	28.0	8.0	8.0	24.8	24.8	95.0	95.0	6.5	6.1	2.9	3.2	4				
						4.5	0.5	195	27.2	27.2	8.0	8.0	26.4	26.4	82.8	82.8	5.7	5.7	3.4	3.2	3			
					4.5	0.6	213	27.2	27.2	8.0	8.0	26.4	26.4	82.7	82.7	5.7	5.7	3.4	3.2	3				
					7.9	0.3	223	25.7	25.7	7.9	7.9	30.7	30.7	58.9	59.0	4.0	4.1	3.2	3.2	3				
					7.9	0.3	227	25.7	25.7	7.9	7.9	30.7	30.7	59.1	59.0	4.1	4.1	3.2	3.2	2				
C2	Sunny	Moderate	13:45	11.8	Surface	1.0	0.2	135	29.2	29.2	8.1	8.1	18.8	18.8	103.4	103.3	7.2	5.9	3.9	10.4	4	9	825668	806944
						1.0	0.2	146	29.2	29.2	8.1	8.1	18.8	18.8	103.1	103.3	7.1	5.9	3.9	10.4	5			
						5.9	0.5	154	26.8	26.8	8.0	8.0	27.1	27.2	67.7	67.8	4.7	4.7	12.5	17	4			
					5.9	0.5	164	26.8	26.8	8.0	8.0	27.2	27.2	67.8	67.8	4.7	4.7	12.5	17	4				
					10.8	0.5	144	26.7	26.7	8.0	8.0	27.5	27.5	68.6	68.8	4.7	4.7	14.7	21	4				
					10.8	0.5	153	26.7	26.7	8.0	8.0	27.5	27.5	68.9	68.8	4.7	4.7	14.9	21	4				
C3	Sunny	Moderate	11:10	11.6	Surface	1.0	0.4	286	27.6	27.6	8.1	8.1	26.1	26.1	85.6	85.6	5.8	5.4	4.3	7.7	5	4	822091	817822
						1.0	0.4	303	27.5	27.5	8.1	8.1	26.1	26.1	85.5	85.6	5.8	5.4	4.4	7.7	4			
						5.8	0.2	257	26.8	26.8	8.0	8.0	27.5	27.5	72.1	72.1	4.9	4.9	7.1	4	4			
					5.8	0.2	271	26.8	26.8	8.0	8.0	27.5	27.5	72.0	72.1	4.9	4.9	7.1	2	4				
					10.6	0.1	120	26.3	26.3	8.0	8.0	28.8	28.7	61.4	61.7	4.2	4.3	11.5	3	4				
					10.6	0.1	127	26.3	26.3	8.0	8.0	28.7	28.7	61.9	61.7	4.3	4.3	11.6	3	4				
IM1	Sunny	Rough	12:19	5.4	Surface	1.0	0.2	193	28.0	28.0	8.0	8.0	24.8	24.8	97.2	97.2	6.6	6.6	3.0	3.1	3	3	817966	807135
						1.0	0.2	197	28.0	28.0	8.0	8.0	24.8	24.8	97.1	97.2	6.6	6.6	3.0	3				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					4.4	0.2	157	27.4	27.4	8.0	8.0	26.1	26.1	87.3	87.3	6.0	6.0	3.3	2	3				
					4.4	0.2	157	27.4	27.4	8.0	8.0	26.1	26.1	87.3	87.3	6.0	6.0	3.3	2	3				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
IM2	Sunny	Rough	12:27	7.9	Surface	1.0	0.2	191	27.5	27.5	7.9	7.9	26.3	26.2	78.2	78.2	5.3	4.8	4.1	7.0	3	3	818161	806179
						1.0	0.2	192	27.5	27.5	7.9	7.9	26.2	26.2	78.1	78.2	5.3	4.8	4.1	3				
						4.0	0.2	171	26.6	26.6	7.9	7.9	28.4	28.4	62.4	62.5	4.3	4.3	7.5	3				
					4.0	0.2	180	26.6	26.6	7.9	7.9	28.4	28.4	62.5	62.5	4.3	4.3	7.5	2					
					6.9	0.2	135	26.6	26.6	7.9	7.9	28.5	28.5	64.1	64.3	4.4	4.4	9.5	4					
					6.9	0.2	138	26.6	26.6	7.9	7.9	28.5	28.5	64.4	64.3	4.4	4.4	9.5	3					
IM3	Sunny	Rough	12:35	8.2	Surface	1.0	0.2	138	27.5	27.5	7.9	7.9	26.2	26.2	79.2	79.3	5.4	5.3	2.5	5.3	5	4	818783	805572
						1.0	0.3	140	27.5	27.5	7.9	7.9	26.2	26.2	79.3	79.3	5.4	5.3	2.6	4				
						4.1	0.2	135	27.4	27.4	7.9	7.9	26.4	26.4	75.8	75.6	5.2	5.2	4.0	4				
					4.1	0.2	142	27.4	27.4	7.9	7.9	26.4	26.4	75.4	75.4	5.2	5.2	4.1	3					
					7.2	0.3	129	26.6	26.6	7.9	7.9	28.5	28.5	63.4	63.5	4.3	4.4	9.4	2					
					7.2	0.3	140	26.6	26.6	7.9	7.9	28.5	28.5	63.6	63.5	4.4	4.4	9.5	3					
IM4	Sunny	Rough	12:49	8.4	Surface	1.0	0.5	203	28.1	28.1	8.0	8.0	25.4	25.4	90.5	90.5	6.1	5.1	3.5	7.4	3	3	819708	804602
						1.0	0.5	205	28.1	28.1	8.0	8.0	25.4	25.4	90.4	90.4	6.1	5.1	3.4	4				
						4.2	0.3	155	26.5	26.5	7.9	7.9	28.4	28.4	59.9	60.0	4.1	4.1	8.9	3				
					4.2	0.3	163	26.5	26.5	7.9	7.9	28.4	28.4	60.0	60.0	4.1	4.1	8.9	3					
					7.4	0.2	154	26.3	26.3	7.9	7.9	29.0	29.0	61.7	61.8	4.2	4.2	9.9	3					
					7.4	0.2	166	26.3	26.3	7.9	7.9	29.0	29.0	61.8	61.8	4.2	4.2	9.9	3					
IM5	Sunny	Rough	13:01	7.5	Surface	1.0	0.4	222	28.4	28.4	8.0	8.0	24.5	24.5	99.9	99.8	6.8	5.8	2.8	6.3	<2	3	820740	804868
						1.0	0.4	223	28.4	28.4	8.0	8.0	24.5	24.5	99.7	99.8	6.8	5.8	2.8	<2				
						3.8	0.3	194	27.2	27.2	7.9	7.9	27.1	27.1	69.0	68.9	4.7	4.7	5.3	2				
					3.8	0.4	210	27.2	27.2	7.9	7.9	27.1	27.1	68.8	68.9	4.7	4.7	5.3	2					
					6.5	0.2	171	26.3	26.3	7.9	7.9	28.9	28.9	61.6	61.8	4.2	4.2	10.9	4					
					6.5	0.2	177	26.3	26.3	7.9	7.9	28.9	28.9	61.9	61.8	4.2	4.2	10.9	3					
IM6	Sunny	Rough	13:13	8.0	Surface	1.0	0.3	267	28.1	28.1	8.0	8.0	25.2	25.2	90.9	90.7	6.2	5.7	3.5	5.0	3	3	821047	805819
						1.0	0.4	284	28.1	28.1	8.0	8.0	25.2	25.2	90.4	90.7	6.1	5.7	3.5	3				
						4.0	0.1	186	27.4	27.4	7.9	7.9	26.2	26.2	77.7	77.7	5.3	5.3	5.3	2				
					4.0	0.2	197	27.4	27.4	7.9	7.9	26.2	26.2	77.7	77.7	5.3	5.3	5.3	2					
					7.0	0.2	168	26.3	26.3	7.8	7.8	28.8	28.8	57.1	57.2	3.9	3.9	6.0	3					
					7.0	0.2	178	26.3	26.3	7.8	7.8	28.8	28.8	57.2	57.2	3.9	3.9	6.1	2					
IM7	Sunny	Rough	13:26	8.1	Surface	1.0	0.1	266	28.7	28.7	8.0	8.0	24.5	24.5	102.8	102.7	6.9	6.1	2.7	5.8	3	3	821363	806812
						1.0	0.1	275	28.7	28.7	8.0	8.0	24.5	24.5	102.6	102.7	6.9	6.1	2.7	3				
						4.1	0.1	192	27.5	27.5	7.9	7.9	26.1	26.1	77.5	77.4	5.3	5.3	4.8	3				
					4.1	0.1	199	27.5	27.5	7.9	7.9	26.1	26.1	77.3	77.4	5.3	5.3	4.7	4					
					7.1	0.1	163	26.6	26.6	7.8	7.8	28.1	28.1	58.6	58.7	4.0	4.0	9.9	3					
					7.1	0.2	163	26.6	26.6	7.8	7.8	28.1	28.1	58.7	58.7	4.0	4.0	9.9	4					
IM8	Sunny	Moderate	13:09	6.9	Surface	1.0	0.2	92	28.5	28.5	8.0	8.0	22.7	22.7	87.8	87.9	6.0	5.9	5.0	5.9	4	5	821849	808119
						1.0	0.2	93	28.5	28.5	8.0	8.0	22.7	22.7	88.0	87.9	6.0	5.9	5.0	4				
						3.5	0.1	108	27.9	27.9	8.0	8.0	24.0	24.0	82.2	82.2	5.7	5.7	5.9	4				
					3.5	0.1	115	27.9	27.9	8.0	8.0	24.0	24.0	82.2	82.2	5.7	5.7	5.9	5					
					5.9	0.1	102	27.8	27.8	8.0	8.0	24.3	24.3	78.7	78.7	5.4	5.4	6.8	6					
					5.9	0.1	105	27.8	27.8	8.0	8.0	24.3	24.3	78.7	78.7	5.4	5.4	6.8	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 August 21 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							
IM9	Sunny	Moderate	13:03	6.5	Surface	1.0	0.2	68	28.5	28.5	8.1	8.0	22.3	22.3	89.0	89.0	6.1	5.9	4.6	5.2	3	4	4	822114	808795				
						1.0	0.2	68	28.4	28.5	8.0	8.0	22.3	22.3	89.0	89.0	6.1	5.9	4.7	5.2	4	4							
					Middle	3.3	0.3	102	27.9	27.9	8.0	8.0	23.8	23.9	81.0	80.9	5.6	5.4	5.3	5.4	4	4							
						3.3	0.3	109	27.9	27.9	8.0	8.0	23.9	24.0	80.8	80.9	5.6	5.4	5.4	5.4	4	4							
					Bottom	5.5	0.2	95	27.9	27.9	8.0	8.0	24.0	24.0	79.7	79.7	5.5	5.5	5.7	5.5	6	5							
						5.5	0.2	95	27.9	27.9	8.0	8.0	24.0	24.0	79.7	79.7	5.5	5.5	5.8	5.5	5	5							
IM10	Sunny	Moderate	12:55	6.7	Surface	1.0	0.6	98	28.2	28.2	8.1	8.1	22.9	22.9	88.8	88.9	6.1	5.7	5.1	7.1	4	3	3	822392	809785				
						1.0	0.6	102	28.2	28.2	8.1	8.0	22.9	24.3	88.9	88.9	6.1	5.7	5.1	7.1	2	3							
					Middle	3.4	0.6	97	27.8	27.8	8.0	8.0	24.3	24.3	77.6	77.5	5.3	5.3	7.7	7.8	3	2							
						3.4	0.6	102	27.8	27.8	8.0	8.0	24.3	24.3	77.4	77.5	5.3	5.3	7.8	7.8	2	3							
					Bottom	5.7	0.5	110	27.7	27.7	8.0	8.0	24.4	24.4	76.8	76.9	5.3	5.3	8.4	8.5	3	2							
						5.7	0.5	115	27.7	27.7	8.0	8.0	24.4	24.4	76.9	76.9	5.3	5.3	8.5	8.5	2	2							
IM11	Sunny	Moderate	12:42	8.0	Surface	1.0	0.8	105	28.5	28.5	8.0	8.0	21.6	21.6	92.8	92.8	6.4	5.9	6.3	10.3	3	3	3	822056	811445				
						1.0	0.9	106	28.4	28.5	8.0	8.0	21.6	21.6	92.8	92.8	6.4	5.9	6.7	10.3	2	3							
					Middle	4.0	0.7	109	27.8	27.8	8.0	8.0	24.0	24.0	78.8	78.9	5.4	5.4	10.1	10.3	4	3							
						4.0	0.8	116	27.8	27.8	8.0	8.0	24.0	24.0	78.9	78.9	5.4	5.4	10.3	10.3	3	3							
					Bottom	7.0	0.5	99	27.7	27.7	8.0	8.0	24.4	24.4	77.8	77.9	5.3	5.4	14.3	14.2	3	4							
						7.0	0.5	101	27.7	27.7	8.0	8.0	24.4	24.4	77.9	77.9	5.4	5.4	14.2	14.2	3	4							
IM12	Sunny	Moderate	12:34	8.1	Surface	1.0	0.5	95	29.1	29.1	8.0	8.0	21.7	21.7	93.6	93.4	6.4	5.8	7.2	10.5	3	3	3	821451	812042				
						1.0	0.5	101	29.1	29.1	8.0	8.0	21.7	21.7	93.1	93.4	6.3	5.8	7.8	10.5	3	3							
					Middle	4.1	0.4	116	27.7	27.7	8.0	8.0	24.3	24.3	77.0	77.0	5.3	5.3	12.4	12.3	3	3							
						4.1	0.4	120	27.7	27.7	8.0	8.0	24.4	24.4	77.0	77.0	5.3	5.3	12.3	12.3	3	3							
					Bottom	7.1	0.2	92	27.6	27.6	8.0	8.0	24.9	24.9	73.1	73.2	5.0	5.0	11.8	12.0	3	3							
						7.1	0.2	97	27.6	27.6	8.0	8.0	24.8	24.8	73.2	73.2	5.0	5.0	12.0	12.0	3	3							
SR1A	Sunny	Moderate	12:00	5.2	Surface	1.0	-	-	28.0	28.0	8.0	8.0	23.8	23.8	87.9	87.9	6.0	6.0	5.5	5.5	3	4	4	819977	812656				
						1.0	-	-	27.9	28.0	8.0	8.0	23.8	23.8	87.9	87.9	6.0	6.0	5.5	5.5	4	4							
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.2	-	-	27.8	27.8	8.0	8.0	24.8	24.8	82.6	82.7	5.7	5.7	5.5	5.5	3	4							
						4.2	-	-	27.8	27.8	8.0	8.0	24.8	24.8	82.8	82.8	5.7	5.7	5.5	5.5	4	4							
SR2	Sunny	Moderate	11:44	4.6	Surface	1.0	0.5	86	27.6	27.6	8.0	8.0	24.8	24.8	76.0	76.0	5.2	5.2	6.5	6.8	4	4	4	821460	814155				
						1.0	0.5	91	27.6	27.6	8.0	8.0	24.8	24.8	76.0	76.0	5.2	5.2	6.5	6.8	4	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.6	0.3	78	27.6	27.6	8.0	8.0	25.0	25.0	76.8	76.9	5.3	5.3	7.2	7.2	3	4							
						3.6	0.3	81	27.6	27.6	8.0	8.0	25.0	25.0	76.9	76.9	5.3	5.3	7.2	7.2	4	4							
SR3	Sunny	Moderate	13:16	8.5	Surface	1.0	0.1	170	27.9	27.9	8.0	8.0	24.0	24.0	80.1	80.2	5.5	5.3	7.0	9.7	4	5	5	822149	807587				
						1.0	0.1	170	27.9	27.9	8.0	8.0	24.0	24.0	80.3	80.2	5.5	5.3	7.3	9.7	5	5							
					Middle	4.3	0.2	195	27.6	27.6	8.0	8.0	24.9	24.9	72.5	72.5	5.0	5.0	10.3	10.3	6	5							
						4.3	0.2	204	27.6	27.6	8.0	8.0	24.9	24.9	72.5	72.5	5.0	5.0	10.3	10.3	5	5							
					Bottom	7.5	0.2	232	27.6	27.6	8.0	8.0	24.9	24.9	73.9	74.1	5.1	5.1	12.0	11.6	4	6							
						7.5	0.2	236	27.6	27.6	8.0	8.0	24.9	24.9	74.2	74.2	5.1	5.1	11.6	11.6	6	6							
SR4A	Sunny	Moderate	11:41	9.9	Surface	1.0	0.1	58	28.1	28.1	8.0	8.0	24.9	24.9	91.6	91.6	6.2	5.4	5.0	7.9	5	4	4	817190	807821				
						1.0	0.1	62	28.1	28.1	8.0	8.0	24.9	24.9	91.5	91.6	6.2	5.4	5.0	7.9	4	4							
					Middle	5.0	0.2	53	26.8	26.8	7.9	7.9	27.8	27.8	65.7	65.7	4.5	4.5	8.9	8.9	3	4							
						5.0	0.2	57	26.8	26.8	7.9	7.9	27.8	27.8	65.7	65.7	4.5	4.5	8.9	8.9	4	4							
					Bottom	8.9	0.2	50	26.8	26.8	7.9	7.9	27.9	27.9	67.0	67.1	4.6	4.6	9.8	9.8	4	3							
						8.9	0.2	50	26.8	26.8	7.9	7.9	27.9	27.9	67.2	67.2	4.6	4.6	9.8	9.8	3	3							
SR5A	Sunny	Moderate	11:22	4.3	Surface	1.0	0.0	119	28.6	28.6	8.0	7.9	24.7	24.7	89.5	89.5	6.0	6.0	3.8	6.6	3	4	4	816595	810690				
						1.0	0.0	127	28.6	28.6	7.9	7.9	24.8	24.7	89.4	89.5	6.0	6.0	3.8	6.6	3	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.3	0.0	171	28.0	28.0	7.9	7.9	25.4	25.4	83.0	83.2	5.6	5.7	9.4	9.4	4	4							
						3.3	0.0	184	28.0	28.0	7.9	7.9	25.4	25.4	83.3	83.3	5.7	5.7	9.4	9.4	4	4							
SR6A	Sunny	Moderate	10:56	4.9	Surface	1.0	0.1	82	28.1	28.1	7.9	7.9	24.1	24.1	76.2	76.0	5.2	5.2	6.5	8.1	4	5	5	817959	814720				
						1.0	0.1	87	28.1	28.1	7.9	7.9	24.1	24.1	75.8	76.0	5.2	5.2	6.6	8.1	4	5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.9	0.0	281	27.4	27.4	7.8	7.8	26.2	26.1	55.4	55.6	3.8	3.8	9.6	9.6	6	5							
						3.9	0.0	290	27.4	27.4	7.8	7.8	26.1	26.1	55.8	55.8	3.8	3.8	9.6	9.6	5	5							
SR7	Sunny	Moderate	10:30	16.2	Surface	1.0	0.6	61	27.3	27.3	8.1	8.1	26.4	26.3	82.2	83.1	5.6	5.0	3.3	4.8	4	3	3	823641	823718				
						1.0	0.7	62	27.3	27.3	8.1	8.1	26.3	26.3	84.0	83.1	5.6	5.0	3.3	4.8	2	3							
					Middle	8.1	0.2	14	25.3	25.3	8.0	8.0	30.9	30.9	61.2	61.2	4.2	4.2	4.3	4.3	3	4							
						8.1	0.2	14	25.3	25.3	8.0	8.0	30.9	30.9	61.1	61.1	4.2	4.2	4.3	4.3	4	4							
					Bottom	15.2	0.2	55	25.0	25.0	8.0	8.0	31.6	31.6	59.0	59.1	4.1	4.1	6.7	6.7	3	4							
						15.2	0.2	57	25.0	25.0	8.0	8.0	31.6	31.6	5														

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
C1	Fine	Rough	19:07	7.5	Surface	1.0	0.6	43	29.1	29.2	8.0	8.0	22.3	22.3	92.5	92.6	6.3	5.8	3.7	5.5	3	3	3	815624	804225				
						1.0	0.6	46	29.2	8.0	8.0	22.2	22.2	92.6	92.6	6.3	5.8	3.7	5.5	3	3								
					Middle	3.8	0.5	34	27.7	27.7	7.9	7.9	24.7	24.7	75.4	75.4	5.2	5.2	5.3	5.2	4	4				4	4		
						3.8	0.6	34	27.7	27.7	7.9	7.9	24.7	24.7	75.4	75.4	5.2	5.2	5.2	5.2	4	4				4	4		
					Bottom	6.5	0.5	31	27.7	27.7	7.9	7.9	24.7	24.7	76.1	76.2	5.2	5.2	7.5	7.5	4	4				4	4		
						6.5	0.5	31	27.7	27.7	7.9	7.9	24.7	24.7	76.2	76.2	5.2	5.2	7.6	7.6	3	3				3	3		
C2	Cloudy	Moderate	17:50	11.2	Surface	1.0	0.3	350	29.1	29.1	8.1	8.1	19.3	19.3	98.7	98.6	6.8	5.8	4.9	9.9	<2	<2	2	825696	806933				
						1.0	0.3	350	29.1	29.1	8.1	8.1	19.3	19.3	98.5	98.6	6.8	5.8	5.4	9.9	<2	<2							
					Middle	5.6	0.4	28	27.0	27.0	8.0	8.0	26.3	26.3	68.3	68.3	4.7	4.7	11.6	11.6	2	2				2	2		
						5.6	0.4	28	27.0	27.0	8.0	8.0	26.4	26.3	68.3	68.3	4.7	4.7	11.6	11.6	2	2				2	2		
					Bottom	10.2	0.4	346	26.8	26.8	8.0	8.0	27.1	27.1	67.4	67.5	4.6	4.6	13.2	13.2	2	2				2	2		
						10.2	0.5	318	26.8	26.8	8.0	8.0	27.1	27.1	67.5	67.5	4.6	4.6	12.6	12.6	2	2				2	2		
C3	Cloudy	Moderate	19:49	11.2	Surface	1.0	0.3	241	27.7	27.7	8.0	8.0	25.1	25.1	77.9	77.7	5.3	5.2	8.9	11.2	2	2	2	822110	817780				
						1.0	0.3	241	27.7	27.7	8.0	8.0	25.1	25.1	77.5	77.7	5.3	5.2	9.0	11.2	2	2							
					Middle	5.6	0.4	252	27.0	27.0	8.0	8.0	25.7	25.7	74.3	74.2	5.1	5.1	11.4	11.6	<2	<2				<2	<2		
						5.6	0.4	263	26.9	26.9	8.0	8.0	25.7	25.7	74.1	74.1	5.1	5.1	11.6	11.6	<2	<2				<2	<2		
					Bottom	10.2	0.4	266	26.8	26.8	8.0	8.0	27.7	27.6	64.2	64.7	4.4	4.4	13.0	13.3	2	2				2	2		
						10.2	0.4	279	26.8	26.8	8.0	8.0	27.6	27.6	64.7	64.7	4.4	4.4	13.3	13.3	2	2				2	2		
IM1	Fine	Rough	18:45	4.2	Surface	1.0	0.2	12	29.3	29.3	7.9	7.9	22.2	22.2	92.0	92.0	6.2	6.2	3.2	4.4	3	3	4	817927	807150				
						1.0	0.2	13	29.3	29.3	7.9	7.9	22.2	22.2	91.9	92.0	6.2	6.2	3.2	4.4	3	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.2	0.1	15	27.7	27.7	7.9	7.9	24.5	24.5	77.6	77.7	5.3	5.3	5.6	5.6	4	4				4	4		
						3.2	0.1	16	27.7	27.7	7.9	7.9	24.6	24.6	77.7	77.7	5.3	5.3	5.6	5.6	5	5				5	5		
IM2	Fine	Rough	18:36	6.2	Surface	1.0	0.3	5	29.0	29.0	7.9	7.9	22.6	22.6	89.4	89.4	6.1	5.7	3.4	10.3	3	3	5	818156	806181				
						1.0	0.4	5	29.0	29.0	7.9	7.9	22.6	22.6	89.4	89.4	6.1	5.7	3.4	10.3	3	3							
					Middle	3.1	0.3	356	27.6	27.6	7.9	7.9	24.7	24.7	75.5	75.6	5.2	5.2	12.2	12.2	5	5				5	5		
						3.1	0.3	358	27.6	27.6	7.9	7.9	24.7	24.7	75.6	75.6	5.2	5.2	12.2	12.2	5	5				5	5		
					Bottom	5.2	0.2	15	27.6	27.6	7.9	7.9	24.8	24.8	75.3	75.3	5.2	5.2	15.3	15.3	5	5				5	5		
						5.2	0.3	15	27.6	27.6	7.9	7.9	24.8	24.8	75.3	75.3	5.2	5.2	15.3	15.3	5	5				5	5		
IM3	Fine	Rough	18:29	6.9	Surface	1.0	0.5	345	29.1	29.1	7.9	7.9	22.4	22.4	89.1	89.1	6.0	5.7	3.4	5.0	5	5	6	818770	805599				
						1.0	0.5	346	29.1	29.1	7.9	7.9	22.4	22.4	89.0	89.0	6.0	5.7	3.4	5.0	5	5							
					Middle	3.5	0.4	337	27.7	27.7	7.9	7.9	24.5	24.5	76.8	76.9	5.3	5.3	4.0	4.1	6	6				6	6		
						3.5	0.5	310	27.7	27.7	7.9	7.9	24.5	24.5	76.9	76.9	5.3	5.3	4.1	4.1	6	6				6	6		
					Bottom	5.9	0.3	333	27.5	27.5	7.9	7.9	25.0	25.0	72.6	72.6	5.0	5.0	7.5	7.5	7	7				7	7		
						5.9	0.3	346	27.5	27.5	7.9	7.9	25.0	25.0	72.6	72.6	5.0	5.0	7.4	7.4	6	6				6	6		
IM4	Fine	Rough	18:20	6.7	Surface	1.0	0.7	353	29.1	29.1	7.9	7.9	22.4	22.4	89.1	89.1	6.1	5.6	3.3	5.1	5	5	4	819735	804628				
						1.0	0.8	325	29.1	29.1	7.9	7.9	22.4	22.4	89.0	89.0	6.0	5.6	3.3	5.1	5	5							
					Middle	3.4	0.6	353	27.7	27.7	7.9	7.9	24.6	24.6	75.1	75.1	5.2	5.2	4.5	4.6	4	4				4	4		
						3.4	0.7	325	27.7	27.7	7.9	7.9	24.6	24.6	75.1	75.1	5.2	5.2	4.6	4.6	5	5				5	5		
					Bottom	5.7	0.5	352	27.5	27.5	7.9	7.9	25.1	25.1	71.5	71.6	4.9	4.9	7.4	7.4	3	3				3	3		
						5.7	0.6	324	27.5	27.5	7.9	7.9	25.1	25.1	71.6	71.6	4.9	4.9	7.5	7.5	4	4				4	4		
IM5	Fine	Rough	18:12	6.8	Surface	1.0	1.0	12	28.8	28.8	7.9	7.9	22.6	22.6	87.7	87.8	6.0	5.5	3.7	7.3	3	3	4	820716	804882				
						1.0	1.0	12	28.8	28.8	7.9	7.9	22.6	22.6	87.8	87.8	6.0	5.5	3.6	7.3	3	3							
					Middle	3.4	0.9	12	27.5	27.5	7.9	7.9	25.2	25.2	71.0	71.0	4.9	4.9	6.5	6.6	4	4				4	4		
						3.4	0.9	12	27.5	27.5	7.9	7.9	25.2	25.2	71.0	71.0	4.9	4.9	6.6	6.6	5	5				5	5		
					Bottom	5.8	0.7	19	27.4	27.4	7.9	7.9	25.3	25.3	70.6	70.6	4.9	4.9	11.7	11.7	4	4				4	4		
						5.8	0.8	19	27.4	27.4	7.9	7.9	25.3	25.3	70.6	70.6	4.9	4.9	11.7	11.7	4	4				4	4		
IM6	Fine	Rough	17:59	7.1	Surface	1.0	0.1	234	29.6	29.6	8.0	8.0	20.4	20.4	92.9	92.9	6.3	6.1	3.2	6.2	4	4	5	821045	805850				
						1.0	0.1	243	29.5	29.5	8.0	8.0	20.4	20.4	92.9	92.9	6.3	6.1	3.2	6.2	4	4							
					Middle	3.6	0.1	59	28.0	28.0	7.9	7.9	23.5	23.4	83.8	83.9	5.8	5.8	8.9	8.9	4	4				4	4		
						3.6	0.2	63	28.0	28.0	7.9	7.9	23.4	23.4	84.0	84.0	5.8	5.8	8.9	8.9	4	4				4	4		
					Bottom	6.1	0.1	69	27.6	27.6	7.9	7.9	24.7	24.7	77.1	77.1	5.3	5.3	6.6	6.6	5	5				5	5		
						6.1	0.1	75	27.6	27.6	7.9	7.9	24.7	24.7	77.1	77.1	5.3	5.3	6.6	6.6	5	5				5	5		
IM7	Fine	Rough	17:52	7.9	Surface	1.0	0.1	238	28.9	29.0	8.0	8.0	21.2	21.2	91.4	91.4	6.3	6.0	3.5	5.4	5	5	4	821332	806858				
						1.0	0.1	245	29.0	29.0	8.0	8.0	21.2	21.2	91.4	91.4	6.3	6.0	3.5	5.4	5	5							
					Middle	4.0	0.2	79	27.8	27.8	7.9	7.9	24.1	24.1	81.0	81.0	5.6	5.6	5.2	5.2	4	4				4	4		
						4.0	0.2	80	27.8	27.8	7.9	7.9	24.1	24.1	81.0	81.0	5.6	5.6	5.2	5.2	5	5				5	5		
					Bottom	6.9	0.1	68	27.6	27.6	7.9	7.9	24.8	24.8	77.0	77.1	5.3	5.3	7.5	7.5	4	4				4	4		
						6.9	0.1	70	27.6	27.6	7.9	7.9	24.8	24.8	77.2	77.1	5.3	5.3	7.5	7.5	3	3				3	3		
IM8	Cloudy	Moderate	18:26	6.7	Surface	1.0	0.2	55	29.2	29.2	8.1	8.1	20.7	20.7	94.9	94.8	6.5	6.4	4.9	6.9	4	4	4	821838	808159				
						1.0	0.2																						

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

**Water Quality Monitoring Results on 21 August 21 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		
IM9	Cloudy	Moderate	18:31	6.6	Surface	1.0	0.5	73	28.9	28.9	8.1	8.1	21.2	21.2	93.4	93.3	6.4	6.3	4.8	4	4	822094	808792	
						1.0	0.5	77	28.8	8.1	8.1	21.3	21.3	93.2	93.2	6.4	6.3	4.9	3					
						3.3	0.4	100	28.7	8.1	8.1	21.9	21.9	91.2	91.1	6.3	6.3	5.6	4					
					3.3	0.5	109	28.7	8.1	8.1	21.9	21.9	90.9	90.9	6.2	6.2	5.6	3						
					5.6	0.4	97	28.6	8.0	8.0	22.3	22.3	89.9	90.0	6.2	6.2	6.8	3						
					5.6	0.4	101	28.7	8.0	8.0	22.3	22.3	90.0	90.0	6.2	6.2	7.0	4						
IM10	Cloudy	Moderate	18:38	7.0	Surface	1.0	0.6	313	29.9	29.9	8.0	8.0	19.4	19.4	97.8	97.8	6.7	6.3	4.2	5	4	822380	809784	
						1.0	0.6	334	29.9	8.0	8.0	19.4	19.4	97.7	97.7	6.7	6.3	4.3	4					
						3.5	0.5	303	28.3	8.0	8.0	22.5	22.5	85.4	85.4	5.9	5.9	7.3	5					
					3.5	0.5	332	28.3	8.0	8.0	22.5	22.5	85.4	85.4	5.9	5.9	7.7	4						
					6.0	0.4	300	28.3	8.0	8.0	22.5	22.5	85.4	85.5	5.9	5.9	9.1	4						
					6.0	0.5	326	28.4	8.0	8.0	22.5	22.5	85.5	85.5	5.9	5.9	9.3	3						
IM11	Cloudy	Moderate	18:56	8.1	Surface	1.0	0.8	307	28.6	28.6	8.0	8.0	21.4	21.4	92.8	93.0	6.4	6.1	6.7	5	4	822051	811462	
						1.0	0.8	320	28.6	8.0	8.0	21.3	21.3	93.2	93.2	6.4	6.1	6.7	4					
						4.1	0.8	309	28.3	8.0	8.0	22.8	22.8	84.1	84.1	5.8	5.8	9.2	4					
					4.1	0.8	333	28.3	8.0	8.0	22.8	22.8	84.0	84.0	5.8	5.8	9.2	5						
					7.1	0.6	301	28.3	8.0	8.0	22.9	22.9	84.7	84.8	5.8	5.8	14.8	4						
					7.1	0.6	323	28.3	8.0	8.0	22.9	22.9	84.9	84.9	5.8	5.8	14.8	4						
IM12	Cloudy	Moderate	19:01	8.5	Surface	1.0	0.9	279	28.5	28.5	8.0	8.0	22.5	22.5	87.9	87.8	6.0	5.9	6.6	8	6	821439	812044	
						1.0	1.0	296	28.4	8.0	8.0	22.5	22.5	87.6	87.6	6.0	6.0	6.6	7					
						4.3	0.7	273	28.3	8.0	8.0	23.0	23.0	84.9	84.9	5.8	5.8	6.9	7					
					4.3	0.8	280	28.3	8.0	8.0	23.0	23.0	84.9	84.9	5.8	5.8	6.9	6						
					7.5	0.6	267	28.3	8.0	8.0	23.1	23.1	85.0	85.1	5.8	5.8	10.3	4						
					7.5	0.6	291	28.3	8.0	8.0	23.1	23.1	85.1	85.1	5.8	5.8	10.6	5						
SR1A	Cloudy	Moderate	19:30	4.8	Surface	1.0	-	-	28.8	28.8	8.1	8.1	21.9	21.9	95.3	95.3	6.5	6.5	6.8	5	4	819976	812662	
						1.0	-	-	28.7	28.7	8.1	8.1	21.9	21.9	95.2	95.2	6.5	6.5	6.9	4				
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					3.8	-	-	28.1	28.1	8.0	8.0	24.1	24.1	85.8	86.0	5.9	5.9	8.7	3					
					3.8	-	-	28.1	28.1	8.0	8.0	24.1	24.1	86.2	86.2	5.9	5.9	8.9	3					
SR2	Cloudy	Moderate	19:44	4.3	Surface	1.0	0.2	13	28.5	28.5	8.0	8.0	22.5	22.5	91.2	91.1	6.2	6.2	7.2	4	4	821451	814161	
						1.0	0.2	13	28.5	28.5	8.0	8.0	22.6	22.5	91.0	91.0	6.2	6.2	7.2	3				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					3.3	0.2	48	28.2	28.2	8.0	8.0	23.3	23.3	83.6	83.6	5.7	5.7	14.2	4					
					3.3	0.2	52	28.2	28.2	8.0	8.0	23.3	23.3	83.6	83.6	5.7	5.7	14.6	4					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SR3	Cloudy	Moderate	18:22	8.1	Surface	1.0	0.3	270	28.5	28.5	8.0	8.0	21.7	21.8	89.3	89.3	6.1	5.9	5.3	5	5	822125	807556	
						1.0	0.3	294	28.5	8.0	8.0	21.8	21.8	89.2	89.2	6.1	6.1	5.4	4					
						4.1	0.1	300	28.0	8.0	8.0	23.3	23.3	82.3	82.2	5.7	5.7	7.2	5					
					4.1	0.1	304	28.0	8.0	8.0	23.3	23.3	82.1	82.1	5.6	5.6	7.3	4						
					7.1	0.3	59	27.9	27.9	8.0	8.0	24.0	23.9	78.3	78.3	5.4	5.4	9.3	7					
					7.1	0.3	64	27.9	27.9	8.0	8.0	23.9	23.9	78.3	78.3	5.4	5.4	9.2	6					
SR4A	Fine	Rough	19:30	8.4	Surface	1.0	0.1	221	29.3	29.3	8.0	8.0	22.1	22.0	93.9	93.9	6.4	5.9	3.2	5	6	817204	807812	
						1.0	0.1	241	29.3	29.3	8.0	8.0	22.0	22.0	93.9	93.9	6.4	5.9	3.2	5				
						4.2	0.2	63	27.8	27.8	7.9	7.9	24.6	24.6	76.7	76.9	5.3	5.3	4.6	5				
					4.2	0.2	67	27.8	27.8	7.9	7.9	24.6	24.6	77.0	77.0	5.3	5.3	4.7	6					
					7.4	0.1	69	27.7	27.7	7.9	7.9	24.8	24.8	74.8	74.9	5.1	5.1	6.5	6					
					7.4	0.1	75	27.7	27.7	7.9	7.9	24.8	24.8	74.9	74.9	5.1	5.1	6.5	6					
SR5A	Fine	Rough	20:01	3.6	Surface	1.0	0.2	303	29.2	29.2	8.1	8.1	24.2	24.2	113.8	113.6	7.6	7.6	2.5	4	5	816615	810710	
						1.0	0.2	322	29.2	29.2	8.1	8.1	24.2	24.2	113.3	113.3	7.6	7.6	2.5	5				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					2.6	0.2	305	28.4	28.4	8.0	8.0	25.2	25.2	96.8	96.7	6.5	6.5	3.3	5					
					2.6	0.2	308	28.4	28.4	8.0	8.0	25.2	25.2	96.5	96.5	6.5	6.5	3.3	6					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SR6A	Fine	Rough	20:34	4.2	Surface	1.0	0.0	182	28.9	28.9	8.1	8.1	24.3	24.3	112.5	112.5	7.6	7.6	2.9	6	6	817981	814745	
						1.0	0.0	195	28.9	28.9	8.1	8.1	24.3	24.3	112.5	112.5	7.6	7.6	2.9	5				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					3.2	0.0	140	27.5	27.5	8.0	8.0	26.0	26.0	87.6	87.7	6.0	6.0	3.8	6					
					3.2	0.0	146	27.5	27.5	8.0	8.0	26.0	26.0	87.7	87.7	6.0	6.0	3.8	7					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SR7	Cloudy	Moderate	20:29	16.5	Surface	1.0	0.0	116	28.4	28.4	8.1	8.1	23.8	23.8	96.3	96.3	6.6	6.0	4.9	4	4	823648	823753	
						1.0	0.0	122	28.3	28.3	8.1	8.1	23.9	23.9	96.3	96.3	6.6	6.0	5.0	4				
						8.3	0.1	184	27.6	27.6	8.0	8.0	25.3	25.3	78.0	77.9	5.3	5.3	5.6	4				
					8.3	0.1	185	27.6	27.6	8.0	8.0	25.3	25.3	77.8	77.8	5.3	5.3	5.6	5					
					15.5	0.1	76	27.3	27.3	8.0	8.0	26.1	26.1	75.0	75.1	5.1	5.2	5.9	4					
					15.5	0.1	80	27.3	27.3	8.0	8.0	26.1	26.1	75.1	75.1	5.2	5.2	5.9	5					
SR8	Cloudy	Moderate	19:19	3.5	Surface	1.0	-	-	29.8	29.8	8.1	8.1	23.2	23.2	93.6	93.5	6.3	6.3	10.3	6	7	820399	811604	
						1.0	-	-	29.8	29.8	8.1	8.1	23.3	23.3	93.4	93.4	6.2	6.2	10.5	5				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					2.5	-	-	29.8	29.8	8.1	8.1	23.3	23.3	91.8	91.8	6.1	6.1	12.2	9					
					2.5	-	-	29.8	29.8	8.1	8.1	23.3	23.3	91.7	91.7	6.1	6.1	12.4	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 24 August 21 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	Calm	13:23	7.0	Surface	1.0	0.3	226	28.1	28.1	7.9	7.9	24.5	24.5	75.1	75.2	5.1	5.1	5.4	8	7	815617	804259	
						1.0	0.4	234	28.0	7.9	7.9	24.6	24.6	75.2	75.2	5.1	5.5	8						
						3.5	0.3	214	28.0	7.9	7.9	24.9	24.9	75.2	75.2	5.1	6.4	7						
					3.5	0.3	227	28.0	7.9	7.9	24.9	24.9	75.2	75.2	5.1	6.4	7							
					6.0	0.4	205	28.0	7.9	7.9	25.0	25.0	75.6	76.1	5.2	7.3	7							
					6.0	0.4	216	28.1	7.9	7.9	24.9	25.0	75.6	76.1	5.2	7.3	6							
C2	Sunny	Moderate	12:35	11.5	Surface	1.0	0.2	135	28.4	28.4	8.1	8.1	23.8	23.8	75.6	75.7	5.2	5.2	9.4	3	4	825671	806937	
						1.0	0.2	139	28.4	8.1	8.1	23.8	23.8	75.7	75.7	5.2	9.3	4						
						5.8	0.5	154	27.4	8.1	8.1	26.1	26.1	67.5	67.4	4.6	10.5	3						
					5.8	0.5	169	27.3	8.1	8.1	26.1	26.1	67.2	67.2	4.6	10.5	4							
					10.5	0.5	144	26.8	8.1	8.1	27.8	27.8	64.1	64.2	4.4	12.5	5							
					10.5	0.5	155	26.8	8.1	8.1	27.8	27.8	64.2	64.2	4.4	13.5	4							
C3	Sunny	Moderate	14:25	11.6	Surface	1.0	0.4	286	27.4	27.4	8.1	8.1	26.6	26.6	71.4	71.3	4.9	4.9	7.2	4	4	822109	817819	
						1.0	0.4	299	27.3	8.1	8.1	26.7	26.7	71.1	71.1	4.9	7.3	3						
						5.8	0.2	257	26.5	8.1	8.1	27.6	27.6	68.3	68.3	4.7	10.4	4						
					5.8	0.2	271	26.4	8.1	8.1	27.7	27.7	68.3	68.3	4.7	10.6	4							
					10.6	0.1	120	26.0	8.1	8.1	30.0	30.0	64.0	64.1	4.4	12.2	4							
					10.6	0.1	124	26.0	8.1	8.1	30.1	30.1	64.2	64.2	4.4	12.2	4							
IM1	Fine	Calm	13:02	4.2	Surface	1.0	0.1	134	27.9	27.9	7.9	7.9	24.8	24.7	71.9	71.9	4.9	4.9	5.1	8	8	817948	807115	
						1.0	0.1	140	27.8	7.9	7.9	24.7	24.7	71.9	71.9	4.9	5.1	8						
						-	-	-	-	-	-	-	-	-	-	-	-	-						
					3.2	0.1	311	27.8	7.9	7.9	26.3	26.2	67.4	68.0	4.6	6.5	8							
					3.2	0.1	319	27.9	7.9	7.9	26.1	26.2	68.5	68.5	4.6	6.5	8							
					-	-	-	-	-	-	-	-	-	-	-	-	-							
IM2	Fine	Calm	12:58	6.0	Surface	1.0	0.1	186	27.8	27.8	7.9	7.9	25.2	25.3	73.1	72.7	5.0	4.9	5.5	8	9	818172	806146	
						1.0	0.1	196	27.7	7.9	7.9	25.5	25.3	72.2	72.2	4.9	5.6	8						
						3.0	0.1	167	27.5	7.9	7.9	26.0	26.0	67.6	67.5	4.6	6.7	8						
					3.0	0.1	176	27.6	7.9	7.9	26.1	26.0	67.4	67.4	4.6	6.6	9							
					5.0	0.1	118	27.9	7.9	7.9	26.5	26.4	67.6	68.1	4.6	7.4	10							
					5.0	0.1	124	28.1	7.9	7.9	26.3	26.4	68.6	68.6	4.6	7.4	9							
IM3	Fine	Calm	12:55	6.2	Surface	1.0	0.1	182	28.0	28.0	7.9	7.9	24.8	24.9	74.0	73.9	5.1	5.0	6.7	10	8	818760	805608	
						1.0	0.1	198	27.9	7.9	7.9	25.0	25.0	73.8	73.8	5.0	6.8	9						
						3.1	0.2	156	27.7	7.9	7.9	25.7	25.7	69.4	69.4	4.7	7.3	8						
					3.1	0.2	164	27.8	7.9	7.9	25.7	25.7	69.4	69.4	4.7	7.3	8							
					5.2	0.2	89	27.8	7.9	7.9	25.8	25.8	70.3	70.6	4.8	8.0	7							
					5.2	0.2	93	27.8	7.9	7.9	25.8	25.8	70.9	70.9	4.8	8.2	8							
IM4	Fine	Calm	12:52	7.6	Surface	1.0	0.4	211	27.8	27.8	7.9	7.9	24.3	24.3	73.9	72.2	5.1	4.9	7.4	8	8	819745	804609	
						1.0	0.5	216	27.7	7.9	7.9	24.3	24.3	70.5	70.5	4.9	7.4	7						
						3.8	0.3	181	27.5	7.9	7.9	26.2	26.3	70.3	70.3	4.8	8.3	7						
					3.8	0.3	193	27.5	7.9	7.9	26.3	26.3	70.3	70.3	4.8	8.2	8							
					6.6	0.2	158	28.0	7.9	7.9	26.3	26.2	71.8	74.1	4.9	9.4	8							
					6.6	0.2	159	28.2	7.9	7.9	26.2	26.2	76.3	76.3	5.1	9.5	9							
IM5	Fine	Calm	12:50	7.0	Surface	1.0	0.4	243	28.1	28.1	7.9	7.9	24.3	24.3	73.1	72.9	5.0	4.9	7.9	5	7	820731	804869	
						1.0	0.4	265	28.1	7.9	7.9	24.3	24.3	72.7	72.7	5.0	7.9	6						
						3.5	0.3	205	27.6	7.9	7.9	25.9	26.0	70.0	69.7	4.8	8.1	6						
					3.5	0.3	221	27.6	7.9	7.9	26.0	26.0	69.4	69.4	4.7	8.1	7							
					6.0	0.2	173	27.9	7.9	7.9	26.4	26.3	69.5	70.4	4.7	9.1	7							
					6.0	0.2	186	28.0	7.9	7.9	26.2	26.2	71.2	71.2	4.8	9.1	8							
IM6	Fine	Calm	12:44	6.4	Surface	1.0	0.3	260	27.8	27.8	7.9	7.9	25.1	25.2	73.4	73.2	5.0	4.8	5.4	5	6	821053	805831	
						1.0	0.3	284	27.8	7.9	7.9	25.3	25.3	73.0	73.0	5.0	5.4	6						
						3.2	0.2	219	27.6	7.9	7.9	26.0	26.0	68.4	68.3	4.7	6.8	5						
					3.2	0.2	231	27.6	7.9	7.9	26.1	26.1	68.1	68.1	4.6	6.7	6							
					5.4	0.2	191	27.9	7.9	7.9	26.4	26.3	68.4	68.9	4.6	7.7	7							
					5.4	0.2	191	28.0	7.9	7.9	26.3	26.3	69.4	69.4	4.7	7.7	6							
IM7	Fine	Calm	12:36	7.4	Surface	1.0	0.1	224	27.8	27.8	7.9	7.9	24.5	24.5	73.4	73.3	5.0	4.8	6.3	5	6	821350	806837	
						1.0	0.2	237	27.7	7.9	7.9	24.5	24.5	73.1	73.1	5.0	6.3	6						
						3.7	0.1	182	27.2	7.9	7.9	26.9	26.9	67.4	67.4	4.6	7.1	5						
					3.7	0.1	198	27.2	7.9	7.9	27.0	26.9	67.3	67.3	4.6	7.1	6							
					6.4	0.1	140	27.2	7.9	7.9	27.2	27.1	67.9	68.1	4.6	8.2	6							
					6.4	0.1	152	27.2	7.9	7.9	27.1	27.1	68.2	68.2	4.7	8.3	6							
IM8	Sunny	Moderate	12:57	7.6	Surface	1.0	0.1	148	28.6	28.6	8.0	8.0	23.4	23.4	77.2	77.2	5.3	5.1	7.7	3	4	821816	808127	
						1.0	0.1	162	28.6	8.0	8.0	23.4	23.4	77.1	77.1	5.3	7.7	3						
						3.8	0.1	182	27.8	8.0	8.0	25.1	25.0	71.0	71.1	4.9	10.4	4						
					3.8	0.1	196	27.8	8.0	8.0	25.0	25.0	71.1	71.1	4.9	10.4	4							
					6.6	0.1	137	27.6	8.1	8.1	25.6	25.6	71.2	71.3	4.9	13.0	4							
					6.6	0.2	140	27.6	8.1	8.1	25.6	25.6	71.3	71.3	4.9	12.9	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 24 August 21 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		
IM9	Sunny	Moderate	13:03	7.2	Surface	1.0	0.2	112	28.1	28.1	8.0	8.0	23.6	23.6	77.3	77.3	5.3	5.0	8.7	11.5	3	3	822082	808794
						1.0	0.3	113	28.0	8.0	8.0	23.6	23.6	77.2	77.2	5.3	5.0	8.8	4					
						3.6	0.2	124	27.7	27.7	8.0	8.0	25.3	25.3	69.2	69.2	4.7	5.0	10.1	3				
					Middle	3.6	0.2	130	27.7	27.7	8.0	8.0	25.3	25.3	69.2	69.2	4.7	5.0	10.2	3				
						6.2	0.1	109	27.4	27.4	8.0	8.0	26.2	26.2	67.7	67.7	4.6	4.6	15.6	2				
						6.2	0.1	113	27.4	27.4	8.0	8.0	26.2	26.2	67.8	67.8	4.6	4.6	15.7	2				
IM10	Sunny	Moderate	13:09	7.1	Surface	1.0	0.7	112	27.9	27.9	8.1	8.1	24.1	24.2	77.3	77.2	5.3	5.0	7.7	7.7	4	4	822380	809779
						1.0	0.7	114	27.8	27.8	8.1	8.1	24.2	24.2	77.1	77.1	5.3	5.0	7.7	3				
						3.6	0.6	99	27.3	27.3	8.1	8.1	26.4	26.4	67.6	67.6	4.6	4.6	6.6	4				
					Middle	3.6	0.6	104	27.3	27.3	8.1	8.1	26.3	26.4	67.9	67.9	4.7	4.6	6.4	3				
						6.1	0.5	96	27.1	27.1	8.1	8.1	26.9	26.9	67.3	67.3	4.6	4.6	8.9	4				
						6.1	0.6	105	27.1	27.1	8.1	8.1	26.9	26.9	67.5	67.5	4.6	4.6	8.8	4				
IM11	Sunny	Moderate	13:17	8.3	Surface	1.0	0.7	140	28.8	28.8	8.1	8.1	23.5	23.6	82.6	82.6	5.6	5.3	5.5	9.9	7	5	822057	811472
						1.0	0.7	142	28.7	28.7	8.1	8.1	23.7	23.7	82.6	82.6	5.6	5.3	5.5	7				
						4.2	0.7	138	27.9	27.9	8.1	8.1	25.1	25.1	73.8	73.7	5.0	5.0	8.9	5				
					Middle	4.2	0.7	150	27.9	27.9	8.1	8.1	25.1	25.1	73.6	73.6	5.0	5.0	8.9	5				
						7.3	0.6	127	27.7	27.7	8.1	8.1	25.5	25.5	72.8	72.8	5.0	5.0	15.5	4				
						7.3	0.7	129	27.8	27.8	8.1	8.1	25.5	25.5	72.8	72.8	5.0	5.0	15.2	4				
IM12	Cloudy	Moderate	13:28	9.1	Surface	1.0	0.5	95	28.2	28.2	8.0	8.0	24.5	24.6	78.1	78.0	5.3	5.2	7.6	10.2	4	4	821443	812047
						1.0	0.5	101	28.1	28.1	8.0	8.0	24.7	24.7	77.9	77.9	5.3	5.2	7.7	4				
						4.6	0.4	116	27.9	27.9	8.1	8.1	25.1	25.1	72.6	72.7	5.0	5.0	7.8	4				
					Middle	4.6	0.4	121	27.9	27.9	8.1	8.1	25.0	25.1	72.7	72.7	5.0	5.0	7.3	4				
						8.1	0.2	92	28.0	28.0	8.1	8.1	25.0	24.9	74.0	74.1	5.0	5.1	15.2	5				
						8.1	0.2	97	28.0	28.0	8.1	8.1	24.9	24.9	74.2	74.1	5.1	5.1	15.5	4				
SR1A	Cloudy	Moderate	13:53	4.8	Surface	1.0	-	-	28.3	28.3	8.0	8.0	24.5	24.6	77.7	77.7	5.3	5.3	7.6	7.7	3	4	819980	812655
						1.0	-	-	28.2	28.2	8.1	8.0	24.7	24.6	77.6	77.6	5.3	5.3	7.7	4				
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.8	-	-	27.9	27.9	8.1	8.1	25.4	25.4	73.0	73.2	5.0	5.0	7.7	4				
						3.8	-	-	27.9	27.9	8.1	8.1	25.4	25.4	73.4	73.4	5.0	5.0	7.7	5				
SR2	Sunny	Moderate	14:07	4.2	Surface	1.0	0.4	78	28.2	28.2	8.1	8.1	24.8	24.8	77.0	77.0	5.2	5.2	11.9	12.3	4	4	821448	814150
						1.0	0.4	78	28.1	28.1	8.1	8.1	24.9	24.9	76.9	76.9	5.2	5.2	12.3	4				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.2	0.2	55	28.0	28.0	8.1	8.1	25.2	25.2	77.7	77.9	5.3	5.3	12.8	4				
						3.2	0.2	57	28.0	28.0	8.1	8.1	25.2	25.2	78.1	77.9	5.3	5.3	14.7	4				
SR3	Sunny	Moderate	12:52	8.8	Surface	1.0	0.0	192	28.2	28.2	8.0	8.0	24.0	24.0	73.9	74.0	5.1	5.0	8.5	10.4	3	4	822165	807566
						1.0	0.0	204	28.2	28.2	8.0	8.0	23.9	24.0	74.1	74.0	5.1	5.0	8.4	4				
						4.4	0.1	181	27.8	27.8	8.0	8.0	25.0	25.0	70.3	70.3	4.8	4.8	10.9	4				
					Middle	4.4	0.1	194	27.8	27.8	8.0	8.0	25.0	25.0	70.3	70.3	4.8	4.8	11.0	3				
						7.8	0.1	192	27.6	27.6	8.0	8.0	25.6	25.6	69.4	69.5	4.7	4.8	12.0	5				
						7.8	0.1	209	27.6	27.6	8.0	8.0	25.6	25.6	69.5	69.5	4.8	4.8	11.9	6				
SR4A	Fine	Calm	13:35	8.2	Surface	1.0	0.1	81	27.9	27.9	7.9	7.9	25.0	25.1	72.6	72.7	5.0	4.8	5.2	6.6	7	8	817185	807832
						1.0	0.1	81	27.8	27.8	7.9	7.9	25.2	25.1	72.7	72.7	5.0	4.8	5.1	8				
						4.1	0.0	78	27.4	27.4	7.9	7.9	26.4	26.5	67.8	67.7	4.6	4.6	6.7	8				
					Middle	4.1	0.0	82	27.4	27.4	7.9	7.9	26.5	26.5	67.6	67.6	4.6	4.6	6.7	8				
						7.2	0.0	4	27.8	27.9	7.9	7.9	26.7	26.6	67.9	68.2	4.6	4.6	7.9	9				
						7.2	0.0	4	27.9	27.9	7.9	7.9	26.6	26.6	68.4	68.4	4.6	4.6	7.8	10				
SR5A	Fine	Calm	13:53	4.0	Surface	1.0	0.1	348	27.7	27.7	7.9	7.9	24.4	24.5	71.8	71.8	4.9	4.9	5.3	6.0	10	9	816576	810676
						1.0	0.1	354	27.6	27.6	7.9	7.9	24.5	24.5	71.7	71.7	4.9	4.9	5.2	9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.0	0.1	337	27.9	28.0	7.9	7.9	26.9	26.8	66.3	66.8	4.5	4.5	6.8	9				
						3.0	0.1	310	28.0	28.0	7.9	7.9	26.7	26.7	67.2	67.2	4.5	4.5	6.7	8				
SR6A	Fine	Calm	14:20	3.9	Surface	1.0	0.0	21	27.8	27.8	7.9	7.9	24.4	24.4	72.2	72.1	5.0	5.0	4.9	5.3	7	7	817949	814735
						1.0	0.0	21	27.7	27.7	7.9	7.9	24.5	24.4	72.0	72.0	5.0	5.0	5.0	8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.9	0.0	195	27.9	28.0	7.9	7.9	26.3	26.1	68.8	69.4	4.7	4.7	5.8	5				
						2.9	0.0	204	28.1	28.0	7.9	7.9	25.9	26.1	70.0	70.0	4.7	4.7	5.7	6				
SR7	Sunny	Moderate	14:48	16.1	Surface	1.0	0.6	61	28.3	28.3	8.1	8.1	24.7	24.8	82.7	82.7	5.6	5.3	5.6	5.6	3	4	823649	823758
						1.0	0.7	64	28.3	28.3	8.1	8.1	24.8	24.8	82.7	82.7	5.6	5.3	5.8	4				
						8.1	0.2	14	27.1	27.1	8.1	8.1	27.2	27.2	71.7	71.7	4.9	4.9	5.4	4				
					Middle	8.1	0.2	14	27.1	27.1	8.1	8.1	27.2	27.2	71.6	71.6	4.9	4.9	5.3	4				
						15.1	0.2	55	26.8	26.9	8.1	8.1	27.8	27.8	71.0	71.1	4.9	4.9	5.7	5				
						15.1	0.2	58	26.9	26.9	8.1	8.1	27.8	27.8	71.2	71.2	4.9	4.9	5.6	4				
SR8	Cloudy	Moderate	13:31	4.1	Surface	1.0	-	-	29.0	29.0	8.0	8.0	23.9	23.9	79.4	79.3	5.4	5.4	11.3	10.9	5	4	820391	811641
						1.0	-	-	28.9	28.9	8.0	8.0	23.9	23.9	79.1	79.1	5.3	5.4	11.4	4				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.1	-	-	28.6	28.6	8.0	8.0	24.0	24.0	77.9	78.0	5.3	5.3	10.6	3				
						3.1	-	-	28.6	28.6	8.0	8.0	24.0	24.0	78.0	78.0	5.3	5.3	10.2	3				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 24 August 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
C1	Fine	Calm	08:25	8.0	Surface	1.0	0.5	26	28.2	28.2	7.8	7.8	24.8	24.8	71.9	71.9	4.9	4.9	6.4	4	4	815609	804242						
						1.0	0.5	27	28.2	28.2	7.8	7.8	24.8	24.8	71.9	71.9	4.9	4.9	6.3	3									
					Middle	4.0	0.5	40	28.2	28.2	7.8	7.8	24.8	24.8	71.7	71.8	4.9	4.9	7.2	3									
						4.0	0.5	40	28.2	28.2	7.8	7.8	24.8	24.8	71.8	71.8	4.9	4.9	7.2	4									
					Bottom	7.0	0.4	30	28.2	28.2	7.8	7.8	24.8	24.8	72.1	72.2	4.9	4.9	8.2	4									
						7.0	0.4	31	28.2	28.2	7.8	7.8	24.8	24.8	72.3	72.2	4.9	4.9	8.2	4									
C2	Cloudy	Moderate	08:51	11.5	Surface	1.0	0.3	350	28.5	28.5	8.0	8.0	21.6	21.6	76.6	76.5	5.3	5.3	6.8	6	5	825682	806955						
						1.0	0.3	322	28.5	28.5	8.0	8.0	21.6	21.6	76.3	76.3	5.3	5.2	7.4	5									
					Middle	5.8	0.4	28	28.2	28.2	8.0	8.0	23.6	23.6	73.9	73.9	5.1	5.1	12.3	5									
						5.8	0.4	28	28.2	28.2	8.0	8.0	23.6	23.6	73.9	73.9	5.1	5.1	12.3	4									
					Bottom	10.5	0.4	346	28.2	28.3	8.0	8.0	23.7	23.6	75.4	75.5	5.2	5.2	15.1	4									
						10.5	0.5	318	28.3	28.3	8.0	8.0	23.6	23.6	75.5	75.5	5.2	5.2	15.1	5									
C3	Cloudy	Moderate	06:57	11.6	Surface	1.0	0.3	241	28.2	28.2	8.0	8.0	24.0	24.0	76.2	76.2	5.2	5.1	6.2	5	5	822102	817823						
						1.0	0.3	242	28.2	28.2	8.0	8.0	24.0	24.0	76.2	76.2	5.2	5.1	6.2	4									
					Middle	5.8	0.4	252	27.2	27.2	8.0	8.0	25.4	25.4	72.8	72.8	5.0	5.0	7.0	5									
						5.8	0.4	256	27.1	27.1	8.0	8.0	25.5	25.4	72.7	72.7	5.0	5.0	7.2	6									
					Bottom	10.6	0.4	266	26.4	26.4	8.0	8.0	28.6	28.6	65.9	65.9	4.5	4.5	11.0	5									
						10.6	0.4	285	26.4	26.4	8.0	8.0	28.6	28.6	65.9	65.9	4.5	4.5	10.7	6									
IM1	Fine	Calm	08:40	4.2	Surface	1.0	0.2	29	26.6	26.6	7.9	7.9	28.7	28.7	65.8	65.9	4.5	4.5	6.7	6	6	817948	807115						
						1.0	0.2	31	26.6	26.6	7.9	7.9	28.8	28.8	65.9	65.9	4.5	4.5	6.8	5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	6.3	6	817948	807115
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-			
					Bottom	3.2	0.0	209	27.0	27.1	7.9	7.9	28.8	28.7	67.8	68.1	4.6	4.6	5.8	7									
						3.2	0.0	209	27.1	27.1	7.9	7.9	28.7	28.7	68.4	68.4	4.6	4.6	5.9	6									
IM2	Fine	Calm	08:48	6.2	Surface	1.0	0.4	7	27.4	27.4	7.9	7.9	25.9	25.9	70.4	70.1	4.8	4.8	3.8	6	10	818180	806159						
						1.0	0.4	7	27.4	27.4	7.9	7.9	25.9	25.9	69.8	69.8	4.8	4.8	3.8	6									
					Middle	3.1	0.3	0	27.5	27.6	7.9	7.9	26.7	26.6	68.9	69.3	4.7	4.7	4.2	8									
						3.1	0.4	0	27.6	27.6	7.9	7.9	26.6	26.6	69.6	69.6	4.7	4.7	4.2	9									
					Bottom	5.2	0.2	339	27.3	27.3	7.9	7.9	24.9	25.0	72.3	72.1	5.0	5.0	5.8	16									
						5.2	0.2	341	27.2	27.2	7.9	7.9	25.0	25.0	71.9	71.9	5.0	5.0	5.8	15									
IM3	Fine	Calm	08:52	6.4	Surface	1.0	0.4	355	27.6	27.6	7.9	7.9	26.5	26.5	67.6	67.8	4.6	4.6	6.7	11	10	818803	805571						
						1.0	0.5	327	27.5	27.5	7.9	7.9	26.6	26.6	67.9	67.9	4.6	4.7	6.7	11									
					Middle	3.2	0.4	346	27.5	27.5	7.9	7.9	26.7	26.7	69.5	69.8	4.7	4.7	7.1	10									
						3.2	0.5	318	27.5	27.5	7.9	7.9	26.7	26.7	70.0	70.0	4.8	4.8	7.0	10									
					Bottom	5.4	0.2	301	27.6	27.6	7.9	7.9	26.7	26.6	72.6	73.7	4.9	5.0	8.5	8									
						5.4	0.2	309	27.6	27.6	8.0	8.0	26.6	26.6	74.8	74.8	5.1	5.1	8.6	8									
IM4	Fine	Calm	08:55	7.8	Surface	1.0	0.8	4	27.5	27.5	7.9	7.9	26.5	26.6	63.9	63.8	4.4	4.4	6.6	14	12	819738	804619						
						1.0	0.9	4	27.5	27.5	7.9	7.9	26.6	26.6	63.7	63.7	4.3	4.3	6.6	15									
					Middle	3.9	0.7	354	27.5	27.5	7.9	7.9	26.7	26.7	70.0	69.7	4.8	4.8	7.3	12									
						3.9	0.8	326	27.5	27.5	7.9	7.9	26.7	26.7	69.4	69.4	4.7	4.7	7.3	13									
					Bottom	6.8	0.5	343	27.5	27.5	7.9	7.9	26.7	26.7	74.9	74.8	5.1	5.1	8.0	9									
						6.8	0.5	350	27.5	27.5	7.9	7.9	26.7	26.7	74.6	74.6	5.1	5.1	8.1	9									
IM5	Fine	Calm	09:03	7.2	Surface	1.0	1.2	8	27.4	27.4	7.9	7.9	26.5	26.6	67.8	67.8	4.6	4.6	5.2	13	13	820725	804865						
						1.0	1.2	8	27.4	27.4	7.9	7.9	26.6	26.6	67.7	67.7	4.6	4.7	5.2	12									
					Middle	3.6	1.0	11	27.3	27.4	7.9	7.9	26.8	26.8	68.7	69.0	4.7	4.7	6.6	13									
						3.6	1.0	11	27.4	27.4	7.9	7.9	26.8	26.8	69.2	69.2	4.7	4.7	6.7	12									
					Bottom	6.2	0.6	12	27.5	27.6	7.9	7.9	26.7	26.7	76.5	77.2	5.2	5.3	7.4	14									
						6.2	0.6	12	27.6	27.6	7.9	7.9	26.7	26.7	77.8	77.8	5.3	5.3	7.3	14									
IM6	Fine	Calm	09:06	6.4	Surface	1.0	0.1	203	27.5	27.5	7.9	7.9	26.2	26.3	69.1	68.6	4.7	4.7	7.2	7	7	821082	805811						
						1.0	0.1	211	27.4	27.4	7.9	7.9	26.4	26.4	68.0	68.0	4.6	4.6	7.2	7									
					Middle	3.2	0.1	82	27.4	27.4	7.9	7.9	26.8	26.8	64.2	64.2	4.4	4.4	8.1	7									
						3.2	0.1	89	27.3	27.3	7.9	7.9	26.8	26.8	64.1	64.1	4.4	4.4	8.0	7									
					Bottom	5.4	0.1	73	27.3	27.3	7.9	7.9	26.8	26.8	64.1	64.1	4.4	4.4	9.0	7									
						5.4	0.2	79	27.3	27.3	7.9	7.9	26.8	26.8	64.0	64.0	4.4	4.4	9.1	6									
IM7	Fine	Calm	09:15	7.8	Surface	1.0	0.0	357	27.7	27.7	7.9	7.9	25.2	25.2	73.1	73.2	5.0	5.0	4.7	6	5	821326	806828						
						1.0	0.0	328	27.7	27.7	7.9	7.9	25.3	25.3	73.2	73.2	5.0	5.0	4.8	6									
					Middle	3.9	0.2	121	27.6	27.6	7.9	7.9	26.6	26.6	74.9	75.0	5.1	5.1	5.2	5									
						3.9	0.2	128	27.6	27.6	7.9	7.9	26.6	26.6	75.1	75.1	5.1	5.1	5.2	5									
					Bottom	6.8	0.2	75	27.7	27.7	7.9	7.9	25.7	25.7	76.7	77.1	5.2	5.2	6.8	5									
						6.8	0.2	79	27.7	27.7	7.9	7.9	25.7	25.7	77.4	77.4	5.3	5.3	6.8	5									
IM8	Cloudy	Moderate	08:28	7.6	Surface	1.0	0.0	48	28.7	28.7	8.0	8.0	21.8	21.8	79.6	79.5	5.5	5.5	7.8	6	6	821822	808122						
						1.0	0.0	51	28.7	28.7	8.0	8.0	21.8	21.8	79.3	79.3	5.4	5.4	8.0	6									
					Middle	3.8	0.0	300	28.7	28.7	8.0	8.0	22.0	22.0	78.8	78.9	5.4	5.4	9.6	6									
						3.8	0.0	310	28.7	28.7	8.0	8.0	22.0	22.0	78.9	78.9	5.4	5.4	9.5	6									
					Bottom	6.6	0.1	278	28.6	28.6	8.0	8.0	22.1	22.1	79.5	79.6	5.4	5.4	9.4	6									
						6.6	0.1	289	28.6	28.6	8.0	8.0	22.1	22.1	79.6	79.6	5.5	5.5	9.6	6									

DA: Depth-Averaged

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

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

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

**Water Quality Monitoring Results on 24 August 21 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		
IM9	Cloudy	Moderate	08:22	7.3	Surface	1.0	0.2	271	28.6	28.6	8.0	8.0	22.3	22.3	76.9	76.9	5.3	5.3	12.1	8	6	822095	808817	
						1.0	0.2	289	28.6	8.0	8.0	22.4	22.4	76.8	76.8	5.3	5.3	12.4	7					
						3.7	0.2	268	28.5	28.5	8.0	8.0	22.7	22.7	76.3	76.3	5.2	5.2	13.3	6				
					Middle	3.7	0.2	286	28.5	28.5	8.0	8.0	22.7	22.7	76.3	76.3	5.2	5.2	13.2	6				
						6.3	0.2	275	28.5	28.5	8.0	8.0	22.9	22.9	76.9	76.9	5.3	5.3	12.7	5				
						6.3	0.2	281	28.5	28.5	8.0	8.0	22.9	22.9	77.1	77.1	5.3	5.3	12.7	5				
IM10	Cloudy	Moderate	08:15	7.3	Surface	1.0	0.8	288	28.4	28.4	8.0	8.0	22.4	22.4	79.8	79.7	5.5	5.5	5.3	4	5	822390	809785	
						1.0	0.9	291	28.3	28.3	8.0	8.0	22.4	22.4	79.5	79.5	5.5	5.3	4					
						3.7	0.7	284	28.1	28.1	8.0	8.0	24.5	24.5	72.9	72.9	5.0	5.0	6.2	5				
					Middle	3.7	0.8	299	28.1	28.1	8.0	8.0	24.5	24.5	72.8	72.8	5.0	5.0	6.1	4				
						6.3	0.7	288	28.0	28.0	8.0	8.0	24.7	24.7	72.9	72.9	5.0	5.0	10.9	6				
						6.3	0.7	295	28.0	28.0	8.0	8.0	24.7	24.7	72.9	72.9	5.0	5.0	10.8	5				
IM11	Cloudy	Moderate	08:06	7.2	Surface	1.0	0.7	289	28.1	28.1	8.1	8.1	24.4	24.4	75.4	75.4	5.2	5.2	7.5	5	5	822079	811450	
						1.0	0.8	306	28.0	28.0	8.1	8.1	24.4	24.4	75.3	75.3	5.1	5.1	7.6	5				
						3.6	0.8	290	27.9	27.9	8.0	8.0	24.5	24.5	73.7	73.7	5.0	5.0	8.9	6				
					Middle	3.6	0.8	294	27.9	27.9	8.0	8.0	24.5	24.5	73.6	73.6	5.0	5.0	9.0	5				
						6.2	0.5	293	27.6	27.6	8.0	8.0	25.5	25.5	70.6	70.6	4.8	4.8	11.1	5				
						6.2	0.5	317	27.6	27.6	8.0	8.0	25.5	25.5	70.6	70.6	4.8	4.8	11.3	6				
IM12	Cloudy	Moderate	08:01	8.5	Surface	1.0	0.8	269	28.1	28.1	8.1	8.1	24.4	24.4	77.5	77.5	5.3	5.3	7.2	5	5	821480	812057	
						1.0	0.9	290	28.0	28.0	8.1	8.1	24.4	24.4	77.5	77.5	5.3	5.3	7.5	6				
						4.3	0.8	275	27.8	27.8	8.0	8.0	25.0	25.0	74.9	74.9	5.1	5.1	10.0	6				
					Middle	4.3	0.8	289	27.8	27.8	8.0	8.0	25.0	25.0	74.9	74.9	5.1	5.1	10.2	5				
						7.5	0.7	270	27.8	27.8	8.1	8.1	25.1	25.1	76.0	76.0	5.2	5.2	10.5	4				
						7.5	0.8	278	27.8	27.8	8.1	8.1	25.1	25.1	76.1	76.1	5.2	5.2	10.5	4				
SR1A	Cloudy	Moderate	07:31	4.8	Surface	1.0	-	-	28.6	28.6	8.0	8.0	22.5	22.5	80.8	80.8	5.5	5.5	4.9	8	8	819978	812663	
						1.0	-	-	28.6	28.6	8.0	8.0	22.6	22.6	80.8	80.8	5.5	5.5	5.1	7				
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.8	-	-	28.3	28.3	8.0	8.0	23.0	23.0	81.9	81.9	5.6	5.6	5.2	7				
						3.8	-	-	28.2	28.2	8.0	8.0	23.1	23.1	82.6	82.6	5.7	5.7	5.2	8				
SR2	Cloudy	Moderate	07:16	4.2	Surface	1.0	0.1	34	27.9	27.9	8.0	8.0	24.0	24.0	74.9	74.9	5.1	5.1	9.5	9	8	821448	814154	
						1.0	0.1	36	27.9	27.9	8.0	8.0	24.0	24.0	74.9	74.9	5.2	5.2	9.6	8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.2	0.1	86	27.5	27.5	8.0	8.0	25.8	25.8	70.3	70.2	4.8	4.8	10.3	7				
						3.2	0.1	89	27.5	27.5	8.0	8.0	25.8	25.8	70.1	70.1	4.8	4.8	10.1	7				
SR3	Cloudy	Moderate	08:33	8.5	Surface	1.0	0.1	305	28.8	28.8	8.0	8.0	20.6	20.6	82.3	82.2	5.7	5.7	5.3	6	6	822141	807570	
						1.0	0.1	316	28.8	28.8	8.0	8.0	20.7	20.7	82.0	82.0	5.7	5.7	5.6	6				
						4.3	0.1	324	28.7	28.7	8.0	8.0	22.0	22.0	79.6	79.6	5.5	5.5	7.9	7				
					Middle	4.3	0.1	324	28.6	28.6	8.0	8.0	22.0	22.0	79.6	79.6	5.5	5.5	7.9	7				
						7.5	0.1	86	28.6	28.6	8.0	8.0	22.2	22.2	80.2	80.3	5.5	5.5	8.3	6				
						7.5	0.1	92	28.6	28.6	8.0	8.0	22.1	22.1	80.4	80.4	5.5	5.5	9.2	6				
SR4A	Fine	Calm	08:01	8.8	Surface	1.0	0.1	271	28.2	28.2	7.9	7.9	24.8	24.8	73.2	73.3	5.0	5.0	6.4	8	7	817203	807800	
						1.0	0.1	293	28.2	28.2	7.9	7.9	24.8	24.8	73.3	73.3	5.0	5.0	6.3	8				
						4.4	0.1	270	28.2	28.2	7.9	7.9	24.8	24.8	73.6	73.6	5.0	5.0	7.3	7				
					Middle	4.4	0.1	294	28.2	28.2	7.9	7.9	24.8	24.8	73.6	73.6	5.0	5.0	7.4	8				
						7.8	0.1	262	28.2	28.2	7.9	7.9	24.8	24.8	74.1	74.2	5.0	5.1	8.4	6				
						7.8	0.1	273	28.2	28.2	7.9	7.9	24.8	24.8	74.3	74.3	5.1	5.1	8.4	7				
SR5A	Fine	Calm	07:46	5.0	Surface	1.0	0.2	288	28.4	28.4	7.9	7.9	24.7	24.7	74.4	74.4	5.0	5.0	5.1	7	6	816609	810699	
						1.0	0.2	291	28.4	28.4	7.9	7.9	24.7	24.7	74.4	74.4	5.0	5.0	5.1	6				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.0	0.2	287	28.4	28.4	7.9	7.9	24.7	24.7	74.7	74.8	5.1	5.1	5.7	6				
						4.0	0.2	289	28.4	28.4	7.9	7.9	24.7	24.7	74.9	74.9	5.1	5.1	5.6	6				
SR6A	Fine	Calm	07:24	4.0	Surface	1.0	0.0	270	28.4	28.4	7.9	7.9	24.7	24.7	77.5	77.8	5.3	5.3	7.0	5	5	817956	814743	
						1.0	0.0	284	28.4	28.4	7.9	7.9	24.7	24.7	78.0	78.0	5.3	5.3	6.9	6				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.0	0.1	292	28.3	28.3	7.9	7.9	24.8	24.8	84.0	84.7	5.7	5.8	7.5	5				
						3.0	0.1	300	28.2	28.2	7.9	7.9	24.8	24.8	85.3	85.3	5.8	5.8	7.4	5				
SR7	Cloudy	Moderate	06:56	16.4	Surface	1.0	0.0	116	28.1	28.1	8.0	8.0	24.1	24.1	75.9	75.9	5.3	5.3	5.3	4	5	823650	823726	
						1.0	0.0	122	28.0	28.0	8.0	8.0	24.1	24.1	75.9	75.9	5.3	5.3	5.4	4				
						8.2	0.1	184	26.6	26.6	8.0	8.0	28.0	28.1	67.3	67.3	4.6	4.6	6.5	4				
					Middle	8.2	0.1	199	26.6	26.6	8.0	8.0	28.1	28.1	67.2	67.2	4.6	4.6	6.7	4				
						15.4	0.1	76	26.4	26.5	8.0	8.0	28.5	28.5	68.6	68.7	4.3	4.3	3.5	6				
						15.4	0.1	79	26.5	26.5	8.0	8.0	28.5	28.5	68.7	68.7	4.4	4.4	3.7	6				
SR8	Cloudy	Moderate	07:53	3.7	Surface	1.0	-	-	28.5	28.5	8.0	8.0	22.7	22.7	79.4	79.4	5.4	5.4	9.6	6	7	820368	811615	
						1.0	-	-	28.5	28.5	8.0	8.0	22.7	22.7	79.3	79.3	5.4	5.4	10.1	5				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.7	-	-	28.4	28.4	8.0	8.0	23.5	23.5	78.3	78.4	5.4	5.4	15.3	8				
						2.7	-	-	28.4	28.4	8.0	8.0	23.5	23.5	78.5	78.5	5.4	5.4	15.7	7				

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



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

Water Quality Monitoring Results on 26 August 21 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	14:46	8.6	Surface	1.0	0.2	333	28.5	28.5	7.9	7.9	25.7	25.7	77.2	77.3	5.2	4.9	3.8	4.9	6	9	815630	804260				
						1.0	0.2	333	28.5	7.9	7.9	25.7	25.7	77.4	77.4	5.2	4.9	3.8	4.9	6	9							
					Middle	4.3	0.2	340	26.9	26.9	7.9	7.9	28.5	28.5	66.4	66.4	4.5	4.9	3.7	4.9	8	9						
						4.3	0.2	356	26.9	26.9	7.9	7.9	28.5	28.5	66.3	66.3	4.5	4.9	3.7	4.9	8	9						
					Bottom	7.6	0.2	334	25.8	25.8	7.9	7.9	30.7	30.7	57.4	57.4	3.9	4.0	7.6	4.0	10	4.0						
						7.6	0.2	307	25.8	25.8	7.9	7.9	30.7	30.7	57.7	57.7	4.0	4.0	7.1	4.0	11	4.0						
C2	Misty	Calm	13:39	12.4	Surface	1.0	0.5	349	28.1	28.1	7.5	7.5	25.0	25.1	77.2	76.8	5.3	5.0	6.9	7.5	3	4	825663	806940				
						1.0	0.5	351	28.0	28.0	7.5	7.5	25.2	25.2	76.4	76.4	5.2	5.0	6.9	7.5	3	4						
					Middle	6.2	0.6	342	27.8	27.8	7.5	7.5	25.6	25.6	69.2	69.4	4.7	4.8	7.3	4.8	4	4.8						
						6.2	0.6	315	27.8	27.8	7.5	7.5	25.6	25.6	69.5	69.5	4.7	4.8	7.3	4.8	4	4.8						
					Bottom	11.4	0.4	9	27.9	27.9	7.5	7.5	25.6	25.5	70.8	71.0	4.8	4.8	8.3	4.8	4	4.8						
						11.4	0.4	9	27.9	27.9	7.5	7.5	25.5	25.5	71.2	71.2	4.8	4.8	8.3	4.8	4	4.8						
C3	Fine	Calm	16:18	12.2	Surface	1.0	0.6	268	27.3	27.3	7.5	7.5	27.4	27.4	69.3	69.5	4.7	4.8	6.3	6.8	4	5	822090	817792				
						1.0	0.6	282	27.3	27.3	7.5	7.5	27.5	27.5	69.6	69.6	4.7	4.8	6.4	6.8	5	4.8						
					Middle	6.1	0.6	264	27.2	27.2	7.5	7.5	27.5	27.5	70.8	71.0	4.8	4.8	7.4	4.8	4	4.8						
						6.1	0.6	285	27.2	27.2	7.5	7.5	27.5	27.5	71.1	71.1	4.8	4.8	7.4	4.8	4	4.8						
					Bottom	11.2	0.5	274	27.3	27.3	7.5	7.5	27.5	27.5	72.5	73.1	4.9	5.0	6.7	5.0	6	5.0						
						11.2	0.5	276	27.3	27.3	7.5	7.5	27.4	27.5	73.7	73.7	5.0	5.0	6.6	5.0	5	5.0						
IM1	Sunny	Moderate	14:26	4.8	Surface	1.0	0.2	118	28.4	28.4	7.9	7.9	26.4	26.4	73.3	73.3	4.9	4.9	5.1	7.7	6	7	817928	807114				
						1.0	0.3	123	28.4	28.4	7.9	7.9	26.4	26.4	73.3	73.3	4.9	4.9	5.0	7.7	5	7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7	7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	7
					Bottom	3.8	0.3	120	27.4	27.5	7.9	7.9	27.2	27.2	64.4	64.5	4.4	4.4	10.2	4.4	8	4.4			8	4.4	8	4.4
						3.8	0.3	129	27.5	27.5	7.9	7.9	27.2	27.2	64.6	64.6	4.4	4.4	10.4	4.4	8	4.4			8	4.4	8	4.4
IM2	Sunny	Moderate	14:19	7.0	Surface	1.0	0.3	33	28.6	28.6	7.9	7.9	25.6	25.6	78.3	78.2	5.3	4.8	3.7	5.9	12	10	818183	806173				
						1.0	0.3	34	28.6	28.6	7.9	7.9	25.7	25.7	78.1	78.1	5.3	4.8	3.7	5.9	12	10						
					Middle	3.5	0.3	33	27.4	27.4	7.9	7.9	27.1	27.2	64.4	64.5	4.4	4.4	5.6	4.4	9	4.4			9	4.4		
						3.5	0.3	33	27.3	27.3	7.9	7.9	27.3	27.2	64.6	64.6	4.3	4.4	5.5	4.3	9	4.3			9	4.3		
					Bottom	6.0	0.3	32	26.7	26.7	7.9	7.9	28.8	28.8	61.2	61.2	4.2	4.2	8.6	4.2	8	4.2			8	4.2		
						6.0	0.3	34	26.7	26.7	7.9	7.9	28.8	28.8	61.1	61.1	4.2	4.2	8.6	4.2	7	4.2			7	4.2		
IM3	Sunny	Moderate	14:12	7.4	Surface	1.0	0.2	44	27.9	27.9	7.9	7.9	26.5	26.5	72.1	72.1	4.9	4.7	4.1	6.2	7	8	818798	805590				
						1.0	0.2	46	27.9	27.9	7.9	7.9	26.5	26.5	72.1	72.1	4.9	4.7	4.1	6.2	7	8						
					Middle	3.7	0.3	45	27.3	27.3	7.9	7.9	27.4	27.4	66.2	66.2	4.5	4.5	4.9	4.5	8	4.5			8	4.5		
						3.7	0.3	49	27.3	27.3	7.9	7.9	27.4	27.4	66.1	66.1	4.5	4.5	5.0	4.5	8	4.5			8	4.5		
					Bottom	6.4	0.3	46	26.6	26.6	7.9	7.9	28.9	28.9	61.3	61.4	4.2	4.2	9.5	4.2	9	4.2			9	4.2		
						6.4	0.3	50	26.6	26.6	7.9	7.9	28.9	28.9	61.4	61.4	4.2	4.2	9.9	4.2	10	4.2			10	4.2		
IM4	Sunny	Moderate	14:02	9.0	Surface	1.0	0.1	127	27.0	27.0	7.9	7.9	28.2	28.3	60.4	60.5	4.3	4.5	7.3	9.9	4	5	819742	804599				
						1.0	0.1	138	26.9	26.9	7.9	7.9	28.4	28.4	60.6	60.6	4.4	4.5	7.3	4.5	4	4.5						
					Middle	4.5	0.2	136	26.7	26.7	7.9	7.9	28.8	28.9	59.2	59.3	4.6	4.6	9.9	4.6	4	4.6						
						4.5	0.2	149	26.7	26.7	7.9	7.9	28.9	28.9	59.3	59.3	4.6	4.6	9.8	4.6	4	4.6						
					Bottom	8.0	0.2	143	26.5	26.5	7.9	7.9	29.2	29.2	59.2	59.2	4.0	4.0	12.9	4.0	5	4.0						
						8.0	0.2	149	26.5	26.5	7.9	7.9	29.2	29.2	59.1	59.1	4.0	4.0	12.3	4.0	6	4.0						
IM5	Sunny	Moderate	13:54	8.4	Surface	1.0	0.2	59	27.6	27.6	7.9	7.9	26.9	26.9	66.3	66.3	4.5	4.6	5.5	7.3	4	3	820721	804849				
						1.0	0.2	62	27.6	27.6	7.9	7.9	26.9	26.9	66.2	66.2	4.5	4.6	5.6	4.5	3	4.5						
					Middle	4.2	0.3	71	27.2	27.2	7.9	7.9	27.7	27.7	64.3	64.3	4.6	4.6	7.0	4.6	3	4.6						
						4.2	0.3	73	27.2	27.2	7.9	7.9	27.7	27.7	64.3	64.3	4.7	4.7	6.9	4.7	4	4.7						
					Bottom	7.4	0.2	78	26.7	26.7	7.9	7.9	28.9	28.9	59.5	59.6	4.1	4.1	9.5	4.1	2	4.1						
						7.4	0.2	78	26.7	26.7	7.9	7.9	28.9	28.9	59.6	59.6	4.1	4.1	9.4	4.1	2	4.1						
IM6	Sunny	Moderate	13:46	7.8	Surface	1.0	0.2	185	28.0	28.0	7.9	7.9	26.1	26.1	68.1	68.2	4.6	4.6	5.6	7.6	2	3	821038	805809				
						1.0	0.3	190	28.0	28.0	7.9	7.9	26.1	26.1	68.3	68.3	4.6	4.6	5.7	4.6	3	4.6						
					Middle	3.9	0.3	184	27.4	27.4	7.9	7.9	27.2	27.3	62.6	62.6	4.5	4.5	7.4	4.5	3	4.5						
						3.9	0.3	192	27.4	27.4	7.9	7.9	27.3	27.3	62.6	62.6	4.6	4.6	7.5	4.6	3	4.6						
					Bottom	6.8	0.3	183	27.1	27.1	7.9	7.9	27.9	27.9	62.1	62.2	4.2	4.2	9.7	4.2	3	4.2						
						6.8	0.3	196	27.1	27.1	7.9	7.9	27.9	27.9	62.3	62.3	4.2	4.2	9.6	4.2	4	4.2						
IM7	Sunny	Moderate	13:38	9.2	Surface	1.0	0.2	135	28.2	28.2	7.9	7.9	25.4	25.4	69.6	69.6	4.7	4.6	6.3	9.2	4	4	821350	806840				
						1.0	0.3	144	28.1	28.1	7.9	7.9	25.4	25.4	69.5	69.5	4.7	4.6	6.6	4.7	5	4.7						
					Middle	4.6	0.3	133	27.5	27.5	7.9	7.9	27.0	27.0	64.1	64.1	4.4	4.4	7.7	4.4	4	4.4						
						4.6	0.3	139	27.5	27.5	7.9	7.9	27.0	27.0	64.1	64.1	4.4	4.4	7.6	4.4	4	4.4						
					Bottom	8.2	0.3	134	27.2	27.2	7.9	7.9	27.6	27.6	62.8	62.8	4.3	4.3	13.5	4.3	3	4.3						
						8.2	0.3	142	27.2	27.2	7.9	7.9	27.6	27.6	62.7	62.7	4.3	4.3	13.3	4.3	2	4.3						
IM8	Fine	Calm	14:02	8.2	Surface	1.0	0.1	117	28.2	28.2	7.5	7.5	24.7	24.8	72.2	72.1	4.9	4.9	7.6	8.4	3	3	821845	808129				
						1.0	0.1	122	28.1	28.1	7.5	7.5	24.9	24.9	71.9	71.9	4.9	4.9	7.5	4.9	2	4.9						
					Middle	4.1	0.1	108	27.8	27.8	7.5	7.5	25.9	25.9	72.1	72.2	4.9	4.9	8.3	4.9	4	4.9						
						4.1	0.1	118	27.8	27.8	7.5	7.5	25.9	25.9	72.													

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

Water Quality Monitoring Results on 26 August 21 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					
IM9	Fine	Calm	14:09	7.6	Surface	1.0	0.3	210	27.8	27.8	7.5	7.5	25.8	25.8	71.7	71.6	4.9	4.9	7.5	2	2	822114	808820				
						1.0	0.3	230	27.8	27.8	7.5	7.5	25.9	25.9	71.5	71.5	4.9	4.9	7.5	2							
					Middle	3.8	0.3	212	27.8	27.8	7.5	7.5	26.1	26.1	72.0	72.2	4.9	4.9	8.6	2							
						3.8	0.3	226	27.8	27.8	7.5	7.5	26.1	26.1	72.4	72.4	4.9	4.9	8.6	3							
					Bottom	6.6	0.2	222	27.8	27.8	7.5	7.5	26.1	26.1	73.9	74.5	5.0	5.1	9.2	2							
						6.6	0.3	233	27.8	27.8	7.5	7.5	26.1	26.1	75.0	75.0	5.1	5.1	9.1	3							
IM10	Fine	Calm	14:16	8.0	Surface	1.0	1.0	307	29.0	29.0	7.5	7.5	24.0	24.1	79.3	78.8	5.3	5.3	8.4	12	13	822381	809785				
						1.0	1.1	334	29.0	29.0	7.5	7.5	24.1	24.1	78.3	78.8	5.3	5.3	8.4	13							
					Middle	4.0	0.9	304	27.4	27.4	7.5	7.5	26.8	26.8	67.4	67.5	4.6	4.6	6.7	12							
						4.0	0.9	304	27.4	27.4	7.5	7.5	26.9	26.8	67.6	67.6	4.6	4.6	6.7	13							
					Bottom	7.0	0.7	300	27.4	27.4	7.5	7.5	26.9	26.8	69.2	69.6	4.7	4.7	7.5	14							
						7.0	0.7	321	27.4	27.4	7.5	7.5	26.8	26.8	70.0	70.0	4.8	4.8	7.5	14							
IM11	Fine	Calm	14:26	8.8	Surface	1.0	0.8	301	28.5	28.4	7.5	7.5	24.9	25.1	80.6	80.4	5.5	5.5	5.9	13	11	822071	811458				
						1.0	0.9	328	28.2	28.2	7.5	7.5	25.3	25.3	80.1	80.1	5.4	5.4	5.9	13							
					Middle	4.4	0.9	301	27.4	27.4	7.5	7.5	26.7	26.7	72.2	71.8	4.9	4.9	6.3	11							
						4.4	0.9	308	27.4	27.4	7.5	7.5	26.8	26.7	71.3	71.3	4.9	4.9	6.3	10							
					Bottom	7.8	0.7	294	27.5	27.6	7.5	7.5	26.7	26.6	66.8	67.4	4.5	4.6	7.3	11							
						7.8	0.7	308	27.7	27.7	7.5	7.5	26.4	26.6	67.9	67.9	4.6	4.6	7.4	10							
IM12	Fine	Calm	14:32	9.8	Surface	1.0	0.7	290	28.3	28.3	7.5	7.5	24.3	24.3	78.5	78.5	5.4	5.4	5.7	13	12	821482	812028				
						1.0	0.7	310	28.2	28.2	7.5	7.5	24.4	24.4	78.4	78.4	5.4	5.4	5.6	12							
					Middle	4.9	0.8	286	27.5	27.5	7.5	7.5	26.6	26.6	67.1	67.1	4.6	4.6	6.2	12							
						4.9	0.8	301	27.5	27.5	7.5	7.5	26.5	26.6	67.1	67.1	4.6	4.6	6.1	12							
					Bottom	8.8	0.7	286	27.7	27.8	7.5	7.5	26.3	26.2	68.8	69.2	4.7	4.7	7.0	12							
						8.8	0.8	303	27.8	27.8	7.5	7.5	26.1	26.2	69.5	69.5	4.7	4.7	7.1	12							
SR1A	Fine	Calm	15:34	4.8	Surface	1.0	-	-	29.2	29.2	7.5	7.5	24.6	24.6	80.2	80.3	5.4	5.4	7.6	3	3	819980	812657				
						1.0	-	-	29.2	29.2	7.5	7.5	24.6	24.6	80.3	80.3	5.4	5.4	7.6	3							
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.8	-	-	29.2	29.2	7.5	7.5	24.6	24.6	80.6	80.7	5.4	5.4	8.8	3							
						3.8	-	-	29.2	29.2	7.5	7.5	24.6	24.6	80.8	80.8	5.4	5.4	8.7	4							
SR2	Fine	Calm	15:57	4.0	Surface	1.0	0.2	333	27.9	27.9	7.5	7.5	26.1	26.1	74.7	74.8	5.1	5.1	6.1	4	4	821442	814180				
						1.0	0.2	341	27.9	27.9	7.5	7.5	26.1	26.1	74.8	74.8	5.1	5.1	6.1	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.0	0.1	282	27.9	27.9	7.5	7.5	26.1	26.1	76.5	77.1	5.2	5.3	7.7	4							
						3.0	0.1	290	27.9	27.9	7.5	7.5	26.1	26.1	77.6	77.6	5.3	5.3	7.7	3							
SR3	Fine	Calm	13:55	9.4	Surface	1.0	0.1	303	28.0	28.0	7.5	7.5	25.3	25.3	72.7	72.6	5.0	4.9	7.2	3	3	822129	807589				
						1.0	0.1	311	27.9	27.9	7.5	7.5	25.4	25.4	72.5	72.5	4.9	4.9	7.2	3							
					Middle	4.7	0.1	236	27.7	27.7	7.5	7.5	26.0	26.0	67.8	67.9	4.6	4.6	8.0	3							
						4.7	0.1	252	27.7	27.7	7.5	7.5	26.0	26.0	67.9	67.9	4.6	4.6	8.1	2							
					Bottom	8.4	0.1	101	27.7	27.8	7.5	7.5	25.9	25.9	68.8	69.0	4.7	4.7	9.7	3							
						8.4	0.1	102	27.8	27.8	7.5	7.5	25.8	25.8	69.2	69.2	4.7	4.7	9.7	2							
SR4A	Sunny	Moderate	15:09	8.8	Surface	1.0	1.4	341	28.9	28.9	7.9	7.9	25.8	25.9	78.4	78.4	5.2	5.2	3.8	3	4	817201	807804				
						1.0	1.4	351	28.9	28.9	7.9	7.9	25.9	25.9	78.4	78.4	5.2	5.2	4.0	3							
					Middle	4.4	0.2	352	27.9	27.9	7.9	7.9	26.7	26.7	67.9	67.9	4.6	4.6	8.6	3							
						4.4	0.2	324	27.9	27.9	7.9	7.9	26.7	26.7	67.9	67.9	4.6	4.6	8.6	3							
					Bottom	7.8	0.2	355	27.6	27.6	7.9	7.9	27.1	27.1	61.5	61.5	4.1	4.1	11.5	5							
						7.8	0.2	357	27.6	27.6	7.9	7.9	27.1	27.1	61.4	61.4	4.2	4.2	11.4	4							
SR5A	Sunny	Moderate	15:26	5.2	Surface	1.0	0.1	333	28.8	28.8	7.9	7.9	26.0	26.0	75.0	75.1	5.0	5.0	5.9	4	4	816602	810679				
						1.0	0.2	355	28.8	28.8	7.9	7.9	26.0	26.0	75.1	75.1	5.0	5.0	6.0	4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.2	0.1	329	28.0	28.0	7.9	7.9	26.4	26.4	68.3	68.4	4.6	4.6	10.2	4							
						4.2	0.1	352	28.0	28.0	7.9	7.9	26.5	26.4	68.5	68.5	4.6	4.6	10.4	3							
SR6A	Sunny	Moderate	15:53	4.6	Surface	1.0	0.0	272	28.8	28.9	7.9	7.9	25.3	25.3	74.6	74.7	5.0	5.0	6.7	2	3	817984	814731				
						1.0	0.0	275	28.9	28.9	7.9	7.9	25.3	25.3	74.8	74.8	5.0	5.0	6.6	3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.6	0.1	244	27.7	27.7	7.8	7.8	26.5	26.5	60.1	60.1	4.1	4.1	8.7	3							
						3.6	0.1	245	27.7	27.7	7.8	7.8	26.5	26.5	60.0	60.0	4.1	4.1	8.7	4							
SR7	Fine	Calm	16:51	14.0	Surface	1.0	0.0	254	27.3	27.3	7.5	7.5	27.3	27.3	72.9	72.9	5.0	5.0	5.4	3	4	823625	823740				
						1.0	0.0	263	27.3	27.3	7.5	7.5	27.3	27.3	72.8	72.8	5.0	5.0	5.5	3							
					Middle	7.0	0.2	210	27.4	27.4	7.5	7.5	27.2	27.2	73.1	73.1	5.0	5.0	6.5	4							
						7.0	0.2	210	27.4	27.4	7.5	7.5	27.2	27.2	73.1	73.1	5.0	5.0	6.5	3							
					Bottom	13.0	0.1	158	27.4	27.4	7.5	7.5	27.4	27.4	73.4	73.3	5.0	5.0	7.5	6							
						13.0	0.1	164	27.4	27.4	7.5	7.5	27.3	27.4	73.2	73.2	5.0	5.0	7.6	5							
SR8	Fine	Calm	14:41	4.4	Surface	1.0	-	-	29.3	29.3	7.5	7.5	24.6	24.6	82.6	82.8	5.5	5.5	8.3	9	11	820379	811612				
						1.0	-	-	29.3	29.3	7.5	7.5	24.6	24.6	82.9	82.9	5.5	5.5	8.3	10							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.4	-	-	29.4	29.4	7.5	7.5	24.7	24.7	84.2	84.5	5.6	5.7	9.2	12							
						3.4	-	-	29.3	29.3	7.5	7.5	24.7	24.7	84.8	84.8	5.7	5.7	9.1	12							

DA: Depth-Averaged

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

Water Quality Monitoring Results on 26 August 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	09:23	8.6	Surface	1.0	0.1	90	27.5	27.5	7.9	7.9	26.5	26.5	66.4	66.4	4.5	4.5	5.7	7	6	815606	804261			
						1.0	0.1	97	27.5	7.9	7.9	26.5	66.3	4.5	4.4	5.7	6									
					Middle	4.3	0.1	102	27.0	27.0	7.9	7.9	28.0	28.0	61.5	61.4	4.2	4.2	6.8	6						
						4.3	0.1	111	26.9	27.0	7.9	7.9	28.0	28.0	61.2	61.4	4.2	4.0	6.8	6						
					Bottom	7.6	0.1	95	26.2	26.2	7.9	7.9	30.1	30.1	58.4	58.4	4.0	4.0	7.2	6						
						7.6	0.1	101	26.2	27.0	7.9	7.9	30.1	30.1	58.4	58.4	4.0	4.0	7.5	5						
C2	Misty	Calm	09:56	12.2	Surface	1.0	0.5	170	28.6	28.6	7.5	7.5	23.2	23.3	78.1	78.0	5.3	5.3	6.6	5	4	825687	806943			
						1.0	0.6	186	28.5	28.6	7.5	7.5	23.4	23.3	77.9	78.0	5.3	5.1	6.6	4						
					Middle	6.1	0.5	172	28.4	28.4	7.5	7.5	23.9	23.9	72.6	72.5	5.0	5.0	7.5	4						
						6.1	0.6	180	28.4	28.4	7.5	7.5	23.9	23.9	72.4	72.5	4.9	4.9	7.5	4						
					Bottom	11.2	0.3	161	28.5	28.5	7.5	7.5	23.7	23.7	72.2	72.4	4.9	4.9	8.5	4						
						11.2	0.3	161	28.6	28.6	7.5	7.5	23.5	23.6	72.6	72.4	4.9	4.9	8.5	4						
C3	Misty	Calm	07:53	11.0	Surface	1.0	0.3	101	28.0	28.0	7.5	7.5	25.1	25.1	72.2	72.3	4.9	4.9	3.5	11	8	822131	817800			
						1.0	0.3	105	27.9	28.0	7.5	7.5	25.2	25.1	72.3	72.3	4.9	4.7	3.4	11						
					Middle	5.5	0.1	95	27.3	27.3	7.5	7.5	26.9	26.9	66.2	66.0	4.5	4.5	4.5	8						
						5.5	0.1	97	27.2	27.3	7.5	7.5	26.9	26.9	65.8	66.0	4.5	4.5	4.5	7						
					Bottom	10.0	0.2	19	27.5	27.6	7.5	7.5	26.4	26.3	65.2	65.3	4.4	4.4	5.5	5						
						10.0	0.2	20	27.7	27.6	7.5	7.5	26.1	26.3	65.4	65.3	4.5	4.5	5.5	4						
IM1	Cloudy	Moderate	09:41	5.4	Surface	1.0	0.0	150	27.6	27.6	7.9	7.9	26.8	26.8	63.9	63.9	4.5	4.5	4.1	9	9	817970	807134			
						1.0	0.0	151	27.6	27.6	7.9	7.9	26.8	26.8	63.8	63.8	4.6	4.6	4.1	9						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.4	0.0	167	27.3	27.3	7.9	7.9	27.5	27.5	60.8	60.9	4.1	4.1	8.2	9						
						4.4	0.0	178	27.3	27.3	7.9	7.9	27.5	27.5	60.9	60.9	4.2	4.2	8.2	8						
IM2	Cloudy	Moderate	09:48	8.4	Surface	1.0	0.2	217	27.3	27.3	7.9	7.9	27.3	27.3	62.1	62.2	4.7	4.7	6.5	14	12	818155	806189			
						1.0	0.2	227	27.3	27.3	7.9	7.9	27.3	62.2	4.7	4.6	6.6	14								
					Middle	4.2	0.2	216	27.3	27.3	7.9	7.9	27.5	27.5	61.3	61.3	4.6	4.6	9.9	12						
						4.2	0.2	218	27.3	27.3	7.9	7.9	27.5	27.5	61.3	61.3	4.5	4.5	10.0	12						
					Bottom	7.4	0.2	216	27.2	27.2	7.9	7.9	27.6	27.6	61.6	61.7	4.2	4.2	10.9	10						
						7.4	0.2	234	27.2	27.2	7.9	7.9	27.6	27.6	61.8	61.8	4.2	4.2	10.7	9						
IM3	Cloudy	Moderate	09:55	7.6	Surface	1.0	0.2	308	27.4	27.4	7.9	7.9	27.1	27.1	62.8	62.6	4.5	4.5	5.3	6	7	818788	805595			
						1.0	0.2	330	27.4	27.4	7.9	7.9	27.2	62.4	4.6	4.6	5.3	7								
					Middle	3.8	0.2	309	27.1	27.1	7.9	7.9	27.8	27.8	60.1	60.1	4.5	4.5	7.1	6						
						3.8	0.2	327	27.1	27.1	7.9	7.9	27.8	27.8	60.1	60.1	4.6	4.6	7.4	6						
					Bottom	6.6	0.2	312	27.1	27.1	7.9	7.9	27.9	27.9	60.6	60.7	4.1	4.1	9.0	7						
						6.6	0.2	327	27.1	27.1	7.9	7.9	27.9	27.9	60.8	60.8	4.1	4.1	9.3	8						
IM4	Cloudy	Moderate	10:03	9.4	Surface	1.0	0.2	212	27.6	27.6	7.9	7.9	25.7	25.7	70.2	70.3	4.8	4.8	5.8	7	6	819718	804621			
						1.0	0.2	231	27.6	27.6	7.9	7.9	25.7	70.3	4.8	4.7	5.6	6								
					Middle	4.7	0.2	209	26.9	26.9	7.9	7.9	28.2	28.2	59.2	59.2	4.6	4.6	7.4	5						
						4.7	0.2	217	26.9	26.9	7.9	7.9	28.2	28.2	59.1	59.1	4.7	4.7	7.6	6						
					Bottom	8.4	0.2	212	26.8	26.8	7.9	7.9	28.5	28.5	59.6	59.8	4.1	4.1	10.4	5						
						8.4	0.2	217	26.8	26.8	7.9	7.9	28.5	28.5	59.9	59.9	4.1	4.1	10.4	5						
IM5	Cloudy	Moderate	10:09	8.4	Surface	1.0	0.2	216	27.6	27.6	7.9	7.9	26.6	26.7	65.5	65.5	4.5	4.5	4.1	6	5	820711	804880			
						1.0	0.2	233	27.6	27.6	7.9	7.9	26.7	65.4	4.5	4.6	4.2	6								
					Middle	4.2	0.2	214	27.0	27.0	7.9	7.9	27.9	27.9	59.4	59.5	4.6	4.6	6.7	6						
						4.2	0.2	233	27.0	27.0	7.9	7.9	27.9	59.5	4.7	4.7	6.6	5								
					Bottom	7.4	0.2	204	27.0	27.0	7.9	7.9	28.1	28.1	59.6	59.7	4.1	4.1	8.9	4						
						7.4	0.2	214	27.0	27.0	7.9	7.9	28.1	59.8	4.1	4.1	8.7	4								
IM6	Cloudy	Moderate	10:16	8.0	Surface	1.0	0.2	271	28.5	28.5	7.9	7.9	23.6	23.6	74.5	74.5	5.1	5.1	4.7	3	5	821040	805835			
						1.0	0.2	260	28.5	28.5	7.9	7.9	23.6	74.4	5.1	5.0	4.7	4								
					Middle	4.0	0.2	270	28.2	28.2	7.9	7.9	24.9	24.9	71.2	71.2	4.8	4.8	5.9	3						
						4.0	0.2	276	28.2	28.2	7.9	7.9	24.8	71.1	4.8	4.8	5.9	4								
					Bottom	7.0	0.2	267	27.8	27.8	7.9	7.9	26.3	26.3	67.1	67.2	4.6	4.6	7.7	6						
						7.0	0.2	290	27.8	27.8	7.9	7.9	26.3	67.2	4.6	4.6	7.7	7								
IM7	Cloudy	Moderate	10:25	9.0	Surface	1.0	0.1	222	28.7	28.7	7.9	7.9	22.8	22.8	76.7	76.7	5.2	5.2	4.0	5	5	821333	806858			
						1.0	0.1	233	28.7	28.7	7.9	7.9	22.8	76.7	5.2	5.1	4.0	4								
					Middle	4.5	0.1	219	28.4	28.4	7.9	7.9	23.8	23.8	71.5	71.5	4.9	4.9	6.4	6						
						4.5	0.1	228	28.3	28.3	7.9	7.9	23.8	71.4	4.9	4.9	6.4	5								
					Bottom	8.0	0.1	212	27.5	27.5	7.9	7.9	26.8	26.8	63.6	63.7	4.3	4.3	8.5	6						
						8.0	0.2	219	27.5	27.5	7.9	7.9	26.8	63.7	4.3	4.3	8.6	5								
IM8	Misty	Calm	09:28	7.8	Surface	1.0	0.1	124	28.7	28.7	7.5	7.5	23.0	23.0	78.9	78.9	5.4	5.4	6.1	4	5	821844	808137			
						1.0	0.1	126	28.7	28.7	7.5	7.5	23.0	78.9	5.4	5.4	6.1	4								
					Middle	3.9	0.1	140	28.7	28.7	7.5	7.5	23.1	23.1	79.7	79.9	5.4	5.4	7.9	4						
						3.9	0.1	140	28.7	28.7	7.5	7.5	23.1	23.1	80.0	80.0	5.5	5.5	7.9	5						
					Bottom	6.8	0.1	64	28.6	28.6	7.5	7.5	23.1	23.1	81.7	81.9	5.6	5.6	8.3	5						
						6.8	0.1	67	28.6	28.6	7.5	7.5	23.1	23.1	82.1	82.1	5.6	5.6	8.3	5						

DA: Depth-Averaged

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

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



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

Water Quality Monitoring Results on 28 August 21 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	15:49	8.6	Surface	1.0	0.2	244	27.2	27.2	8.0	8.0	26.6	26.6	84.9	84.9	5.8	5.8	3.9	-	-	-	815612	804252			
						1.0	0.2	264	27.2	8.0	8.0	26.6	26.6	84.9	84.9	5.8	5.8	3.9	-	-	-						
						4.3	0.2	193	26.7	26.7	8.0	8.0	28.2	28.2	79.7	79.7	5.5	5.5	2.9	-	-	-					
					Middle	4.3	0.2	211	26.7	26.7	8.0	8.0	28.1	28.1	79.7	79.6	5.4	5.4	2.9	-	-	-			<2		
						7.6	0.2	222	26.2	26.2	8.0	8.0	29.0	29.0	66.3	66.4	4.6	4.6	4.3	-	-	-					
						7.6	0.2	235	26.2	26.2	8.0	8.0	29.0	29.0	66.4	66.4	4.6	4.6	4.3	-	-	-					
C2	Cloudy	Moderate	14:38	11.6	Surface	1.0	0.3	132	27.5	27.5	7.9	7.9	25.8	25.8	71.6	71.5	4.9	4.9	5.5	-	-	-	825681	806929			
						1.0	0.3	144	27.5	27.5	7.9	7.9	26.9	26.9	71.4	71.5	4.9	4.9	5.6	-	-	-					
						5.8	0.5	149	26.3	26.3	7.9	7.9	27.5	27.5	59.9	59.6	4.1	4.1	10.2	-	-	-					
					Middle	5.8	0.6	152	26.3	26.3	7.9	7.9	27.6	27.6	59.3	59.6	4.1	4.1	10.8	-	-	-			<2		
						10.6	0.3	146	26.0	26.0	7.9	7.9	30.0	30.0	55.7	55.8	3.8	3.8	12.9	-	-	-					
						10.6	0.3	158	26.0	26.0	7.9	7.9	30.0	30.0	55.9	55.8	3.8	3.8	12.5	-	-	-					
C3	Cloudy	Moderate	16:26	12.9	Surface	1.0	0.3	61	27.1	27.1	7.9	7.9	28.2	28.2	66.7	66.7	4.5	4.5	4.6	-	-	-	822122	817813			
						1.0	0.3	62	27.0	27.0	7.9	7.9	28.2	28.2	66.6	66.7	4.5	4.5	4.6	-	-	-					
						6.5	0.3	52	26.2	26.2	8.0	8.0	29.6	29.5	58.4	58.4	4.0	4.0	5.8	-	-	-					
					Middle	6.5	0.3	52	26.2	26.2	8.0	8.0	29.5	29.5	58.4	58.4	4.0	4.0	6.0	-	-	-			<2		
						11.9	0.3	53	25.8	25.8	8.0	8.0	30.4	30.5	58.7	58.9	4.0	4.1	8.6	-	-	-					
						11.9	0.3	56	25.7	25.7	8.0	8.0	30.5	30.5	59.0	58.9	4.1	4.1	8.6	-	-	-					
IM1	Cloudy	Rough	15:30	4.8	Surface	1.0	0.1	111	27.3	27.3	7.9	7.9	27.8	27.8	70.3	70.3	4.8	4.8	5.6	-	-	-	817950	807147			
						1.0	0.0	121	27.2	27.2	7.9	7.9	27.8	27.8	70.3	70.3	4.8	4.8	5.6	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	<2
						3.8	0.0	113	26.7	26.7	7.9	7.9	28.1	28.1	61.4	61.5	4.2	4.2	6.9	-	-	-					
						3.8	0.0	124	26.7	26.7	7.9	7.9	28.1	28.1	61.5	61.5	4.2	4.2	6.9	-	-	-					
IM2	Cloudy	Rough	15:25	6.9	Surface	1.0	0.4	188	27.3	27.3	8.0	8.0	27.1	27.1	80.0	80.0	5.5	5.5	4.0	-	-	-	818174	806147			
						1.0	0.4	189	27.3	27.3	8.0	8.0	27.1	27.1	79.9	80.0	5.4	5.4	4.0	-	-	-					
						3.5	0.5	201	26.6	26.6	7.9	7.9	27.8	27.8	71.6	71.6	4.9	4.9	5.1	-	-	-					
					Middle	3.5	0.4	221	26.7	26.7	7.9	7.9	27.8	27.8	71.5	71.5	4.9	4.9	5.1	-	-	-			<2		
						5.9	0.4	192	26.5	26.5	7.9	7.9	28.3	28.3	63.3	63.4	4.4	4.4	8.2	-	-	-					
						5.9	0.4	198	26.5	26.5	7.9	7.9	28.3	28.3	63.5	63.4	4.4	4.4	8.2	-	-	-					
IM3	Cloudy	Rough	15:16	6.3	Surface	1.0	0.4	193	27.3	27.3	8.0	8.0	26.8	26.8	83.4	83.4	5.7	5.7	3.4	-	-	-	818791	805608			
						1.0	0.4	188	27.3	27.3	8.0	8.0	26.8	26.8	83.3	83.3	5.7	5.7	3.4	-	-	-					
						3.2	0.4	198	26.4	26.4	8.0	8.0	28.3	28.3	69.5	69.5	4.8	4.8	5.7	-	-	-					
					Middle	3.2	0.4	179	26.4	26.4	8.0	8.0	28.3	28.3	69.5	69.5	4.8	4.8	5.7	-	-	-			<2		
						5.3	0.5	156	26.4	26.4	7.9	7.9	28.4	28.4	67.4	67.4	4.6	4.6	7.6	-	-	-					
						5.3	0.4	162	26.4	26.4	7.9	7.9	28.4	28.4	67.4	67.4	4.6	4.6	7.8	-	-	-					
IM4	Cloudy	Rough	15:08	7.7	Surface	1.0	0.4	201	27.4	27.4	7.9	7.9	26.4	26.4	80.3	80.3	5.5	5.5	3.9	-	-	-	819717	804589			
						1.0	0.4	222	27.4	27.4	7.9	7.9	26.5	26.5	80.3	80.3	5.5	5.5	3.9	-	-	-					
						3.9	0.4	199	26.6	26.6	7.9	7.9	27.7	27.7	73.1	73.1	5.0	5.0	4.7	-	-	-					
					Middle	3.9	0.4	189	26.6	26.6	7.9	7.9	27.7	27.7	73.1	73.1	5.0	5.0	4.7	-	-	-			<2		
						6.7	0.4	200	26.3	26.3	7.9	7.9	28.8	28.8	61.8	61.8	4.2	4.3	10.5	-	-	-					
						6.7	0.4	197	26.3	26.3	7.9	7.9	28.8	28.8	61.8	61.8	4.3	4.3	10.4	-	-	-					
IM5	Cloudy	Rough	15:01	6.5	Surface	1.0	0.4	223	27.8	27.8	7.9	7.9	25.4	25.4	77.9	77.8	5.3	5.3	4.4	-	-	-	820750	804850			
						1.0	0.4	231	27.8	27.8	7.9	7.9	25.4	25.4	77.7	77.8	5.3	5.3	4.4	-	-	-					
						3.3	0.5	201	26.7	26.7	7.9	7.9	28.0	28.0	67.3	67.3	4.6	4.6	6.5	-	-	-					
					Middle	3.3	0.5	222	26.7	26.7	7.9	7.9	28.0	28.0	67.3	67.3	4.6	4.6	6.7	-	-	-			<2		
						5.5	0.4	235	26.4	26.4	7.9	7.9	28.5	28.5	63.9	63.9	4.4	4.4	9.4	-	-	-					
						5.5	0.4	227	26.4	26.4	7.9	7.9	28.5	28.5	63.9	63.9	4.4	4.4	9.4	-	-	-					
IM6	Cloudy	Rough	14:55	7.1	Surface	1.0	0.4	224	27.7	27.7	7.9	7.9	25.6	25.6	76.8	76.8	5.2	5.2	5.0	-	-	-	821069	805842			
						1.0	0.4	226	27.7	27.7	7.9	7.9	25.6	25.6	76.7	76.8	5.2	5.2	5.0	-	-	-					
						3.6	0.4	220	26.7	26.7	7.9	7.9	28.0	28.0	63.1	63.2	4.3	4.3	9.3	-	-	-					
					Middle	3.6	0.4	218	26.7	26.7	7.9	7.9	28.0	28.0	63.2	63.2	4.3	4.3	9.4	-	-	-			<2		
						6.1	0.5	211	26.6	26.6	7.9	7.9	28.1	28.1	63.2	63.3	4.3	4.3	10.7	-	-	-					
						6.1	0.5	209	26.6	26.6	7.9	7.9	28.1	28.1	63.3	63.3	4.3	4.3	10.6	-	-	-					
IM7	Cloudy	Rough	14:48	7.2	Surface	1.0	0.5	241	27.7	27.7	7.9	7.9	25.4	25.5	76.9	76.8	5.3	5.3	4.1	-	-	-	821343	806835			
						1.0	0.5	230	27.6	27.6	7.9	7.9	25.5	25.5	76.7	76.8	5.3	5.3	4.2	-	-	-					
						3.6	0.4	233	26.9	26.9	7.9	7.9	27.5	27.5	68.2	68.2	4.7	4.7	6.2	-	-	-					
					Middle	3.6	0.4	234	26.9	26.9	7.9	7.9	27.5	27.5	68.2	68.2	4.7	4.7	6.2	-	-	-			<2		
						6.2	0.4	251	26.7	26.7	7.9	7.9	27.9	27.9	64.2	64.2	4.4	4.4	8.8	-	-	-					
						6.2	0.4	246	26.7	26.7	7.9	7.9	27.9	27.9	64.2	64.2	4.4	4.4	8.8	-	-	-					
IM8	Cloudy	Moderate	14:57	7.8	Surface	1.0	0.2	129	27.6	27.6	7.9	7.9	25.6	25.6	69.3	69.4	4.7	4.7	4.7	-	-	-	821806	808125			
						1.0	0.2	134	27.5	27.5	8.0	8.0	27.3	27.4	65.9	65.9	4.5	4.5	7.8	-	-	-					
						3.9	0.2	95	27.0	27.0	8.0	8.0	27.3	27.4	65.9	65.9	4.5	4.5	7.9	-	-	-					
					Middle	3.9	0.2	95	27.0	27.0	8.0	8.0	27.4	27.4	65.9	65.9	4.5	4.5	7.9	-	-	-			#####		
						6.8	0.2	48	26.8	26.8	8.0	8.0	28.3	28.2	66.8	67.0	4.6	4.6	10.1	-	-	-					
						6.8	0.2	51	26.8	26.8	8.0	8.0	28.2	28.2	67.1	67.0	4.6	4.6	10.2	-	-	-					

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 28 August 21 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						
IM9	Cloudy	Moderate	15:03	7.0	Surface	1.0	0.3	90	27.4	27.4	7.9	7.9	26.3	26.3	67.9	67.9	4.6	4.6	5.4	5.4	-	-	822076	808818				
						1.0	0.3	97	27.4	27.4	7.9	7.9	26.2	26.2	67.9	67.9	4.6	4.6	5.4	5.4	-	-						
					Middle	3.5	0.3	85	26.9	26.9	8.0	8.0	27.8	27.8	64.6	64.7	64.7	64.7	4.4	4.4	9.5	9.5			-	-		
						3.5	0.3	86	26.9	26.9	8.0	8.0	27.8	27.8	64.7	64.7	64.7	64.7	4.4	4.4	9.5	9.5			-	-		
					Bottom	6.0	0.3	68	26.7	26.7	8.0	8.0	28.3	28.3	66.2	66.2	66.3	66.3	4.5	4.5	10.6	10.6			-	-		
						6.0	0.3	73	26.7	26.7	8.0	8.0	28.3	28.3	66.2	66.2	66.3	66.3	4.5	4.5	10.4	10.4			-	-		
IM10	Cloudy	Moderate	15:10	7.6	Surface	1.0	0.6	99	27.2	27.2	7.9	7.9	26.8	26.8	67.6	67.6	4.6	4.6	7.2	7.2	-	-	822374	809771				
						1.0	0.7	104	27.2	27.2	7.9	7.9	26.9	26.9	67.5	67.5	4.6	4.6	7.6	7.6	-	-						
					Middle	3.8	0.5	99	26.9	26.9	7.9	7.9	27.5	27.5	62.8	62.8	62.9	62.9	4.3	4.3	8.7	8.7			-	-		
						3.8	0.5	99	26.9	26.9	7.9	7.9	27.5	27.5	63.0	63.0	62.9	62.9	4.3	4.3	8.2	8.2			-	-		
					Bottom	6.6	0.5	91	26.8	26.8	7.9	7.9	28.0	28.0	65.4	65.4	65.4	65.4	4.5	4.5	16.0	16.0			-	-		
						6.6	0.5	98	26.8	26.8	7.9	7.9	28.0	28.0	65.4	65.4	65.4	65.4	4.5	4.5	16.0	16.0			-	-		
IM11	Cloudy	Moderate	15:19	8.2	Surface	1.0	0.6	125	27.7	27.7	7.9	7.9	25.8	25.8	70.3	70.2	4.8	4.8	4.6	4.6	-	-	822056	811475				
						1.0	0.7	126	27.6	27.6	7.9	7.9	25.9	25.9	70.1	70.1	4.8	4.8	4.8	4.8	-	-						
					Middle	4.1	0.5	128	26.7	26.7	7.9	7.9	28.1	28.1	60.1	60.1	60.1	60.1	4.1	4.1	7.1	7.1			-	-		
						4.1	0.5	132	26.7	26.7	7.9	7.9	28.1	28.1	60.1	60.1	60.1	60.1	4.1	4.1	7.2	7.2			-	-		
					Bottom	7.2	0.3	115	26.6	26.6	7.9	7.9	28.5	28.5	62.0	62.0	62.2	62.2	4.2	4.2	10.3	10.3			-	-		
						7.2	0.3	120	26.6	26.6	7.9	7.9	28.5	28.5	62.4	62.4	62.2	62.2	4.3	4.3	10.3	10.3			-	-		
IM12	Cloudy	Moderate	15:25	8.9	Surface	1.0	0.6	111	27.7	27.7	7.9	7.9	25.4	25.4	71.4	71.3	4.9	4.9	4.2	4.2	-	-	821440	812029				
						1.0	0.7	113	27.7	27.7	7.9	7.9	25.4	25.4	71.1	71.1	4.9	4.9	4.2	4.2	-	-						
					Middle	4.5	0.4	99	26.8	26.8	7.9	7.9	27.9	27.9	59.3	59.3	59.4	59.4	4.1	4.1	10.9	10.9			-	-		
						4.5	0.4	104	26.8	26.8	7.9	7.9	27.9	27.9	59.4	59.4	59.4	59.4	4.1	4.1	11.0	11.0			-	-		
					Bottom	7.9	0.2	91	26.7	26.7	7.9	7.9	28.1	28.1	61.6	61.6	61.9	61.9	4.2	4.2	12.5	12.5			-	-		
						7.9	0.2	91	26.7	26.7	7.9	7.9	28.1	28.1	62.1	62.1	61.9	61.9	4.2	4.2	12.9	12.9			-	-		
SR1A	Cloudy	Moderate	15:54	4.5	Surface	1.0	-	-	27.4	27.4	7.9	7.9	27.2	27.2	66.6	66.6	4.5	4.5	6.9	6.9	-	-	819974	812661				
						1.0	-	-	27.3	27.3	7.9	7.9	27.3	27.2	66.5	66.5	4.5	4.5	7.0	7.0	-	-						
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.5	-	-	27.1	27.1	7.9	7.9	27.9	27.9	65.7	65.7	66.0	66.0	4.5	4.5	8.2	8.2			-	-		
						3.5	-	-	27.1	27.1	7.9	7.9	27.8	27.9	66.2	66.2	66.0	66.0	4.5	4.5	8.2	8.2			-	-		
SR2	Cloudy	Moderate	16:08	3.8	Surface	1.0	0.4	105	27.2	27.2	8.0	8.0	27.0	27.1	69.4	69.5	4.7	4.7	6.1	6.1	-	-	821441	814159				
						1.0	0.4	108	27.2	27.2	8.0	8.0	27.1	27.1	69.6	69.6	4.8	4.8	6.3	6.3	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	2.8	0.1	100	27.2	27.2	8.0	8.0	27.2	27.2	70.7	70.7	70.9	70.9	4.8	4.8	6.1	6.1			-	-		
						2.8	0.1	100	27.2	27.2	8.0	8.0	27.2	27.2	71.0	71.0	70.9	70.9	4.8	4.8	6.2	6.2			-	-		
SR3	Cloudy	Moderate	14:52	8.9	Surface	1.0	0.2	139	27.5	27.5	7.9	7.9	25.8	25.8	70.6	70.6	4.8	4.8	4.9	4.9	-	-	822133	807592				
						1.0	0.2	148	27.5	27.5	8.0	8.0	25.8	25.8	70.6	70.6	4.8	4.8	5.1	5.1	-	-						
					Middle	4.5	0.2	157	27.0	27.0	8.0	8.0	27.4	27.4	65.6	65.7	65.7	65.7	4.5	4.5	9.9	9.9			-	-		
						4.5	0.2	166	27.0	27.0	8.0	8.0	27.4	27.4	65.7	65.7	65.7	65.7	4.5	4.5	10.2	10.2			-	-		
					Bottom	7.9	0.1	41	26.8	26.8	8.0	8.0	28.2	28.2	71.5	71.5	71.6	71.6	4.9	4.9	13.4	13.4			-	-		
						7.9	0.1	43	26.8	26.8	8.0	8.0	28.2	28.2	71.6	71.6	71.6	71.6	4.9	4.9	13.0	13.0			-	-		
SR4A	Fine	Moderate	16:11	8.9	Surface	1.0	0.1	123	27.1	27.1	7.9	7.9	27.7	27.7	67.6	67.6	4.6	4.6	7.1	7.1	-	-	817193	807809				
						1.0	0.1	133	27.1	27.1	7.9	7.9	27.7	27.7	67.5	67.5	4.6	4.6	7.2	7.2	-	-						
					Middle	4.5	0.1	91	26.8	26.8	7.9	7.9	27.9	27.9	63.6	63.6	63.6	63.6	4.4	4.4	5.6	5.6			-	-		
						4.5	0.1	91	26.8	26.8	7.9	7.9	28.0	27.9	63.6	63.6	63.6	63.6	4.3	4.3	5.7	5.7			-	-		
					Bottom	7.9	0.1	50	26.7	26.7	7.9	7.9	28.1	28.1	59.3	59.4	59.4	59.4	4.1	4.1	8.8	8.8			-	-		
						7.9	0.1	53	26.7	26.7	7.9	7.9	28.1	28.1	59.4	59.4	59.4	59.4	4.1	4.1	8.9	8.9			-	-		
SR5A	Fine	Moderate	16:28	4.0	Surface	1.0	0.1	358	27.6	27.6	7.9	7.9	26.7	26.7	70.3	70.3	4.8	4.8	4.5	4.5	-	-	816615	810676				
						1.0	0.1	329	27.6	27.6	7.9	7.9	26.7	26.7	70.3	70.3	4.8	4.8	4.5	4.5	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.0	0.0	184	27.1	27.1	7.9	7.9	27.2	27.2	66.6	66.7	66.7	66.7	4.6	4.6	6.9	6.9			-	-		
						3.0	0.0	187	27.1	27.1	7.9	7.9	27.2	27.2	66.7	66.7	66.7	66.7	4.6	4.6	7.0	7.0			-	-		
SR6A	Fine	Moderate	16:56	4.3	Surface	1.0	0.0	312	28.2	28.2	7.9	7.9	25.5	25.5	78.2	78.2	5.3	5.3	8.6	8.6	-	-	817978	814742				
						1.0	0.0	319	28.2	28.2	7.9	7.9	25.5	25.5	78.1	78.1	5.3	5.3	8.7	8.7	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.3	0.0	296	27.8	27.8	7.9	7.9	25.9	25.9	72.8	72.8	72.8	72.8	5.0	5.0	9.5	9.5			-	-		
						3.3	0.0	307	27.8	27.8	7.9	7.9	25.9	25.9	72.7	72.7	72.8	72.8	5.0	5.0	9.6	9.6			-	-		
SR7	Cloudy	Moderate	16:51	16.4	Surface	1.0	0.8	68	27.1	27.1	8.0	8.0	28.6	28.6	68.1	68.0	5.1	5.1	2.8	2.8	-	-	823612	823737				
						1.0	0.8	73	27.1	27.1	8.0	8.0	28.6	28.6	67.8	67.8	5.0	5.0	2.8	2.8	-	-						
					Middle	8.2	0.6	68	25.8	25.8	8.0	8.0	30.5	30.5	55.9	55.9	55.9	55.9	5.0	5.0	4.3	4.3			-	-		

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

Water Quality Monitoring Results on 28 August 21 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	11:09	8.1	Surface	1.0	0.6	41	26.9	26.9	8.0	8.0	26.7	26.7	76.1	76.1	5.2	4.9	3.8	-	<2	815611	804229			
						1.0	0.7	44	26.9	8.0	8.0	26.7	26.7	76.1	76.1	5.2	4.9	3.8	-							
					Middle	4.1	0.6	47	26.3	26.3	8.0	8.0	28.5	28.5	67.2	67.2	4.6	4.1	11.7	-				-		
						4.1	0.6	50	26.3	26.3	8.0	8.0	28.5	28.5	67.2	67.2	4.6	4.1	11.7	-				-		
					Bottom	7.1	0.4	34	25.8	25.8	7.9	7.9	29.8	29.8	59.0	59.1	4.1	4.1	9.3	-				-		
						7.1	0.4	34	25.8	25.8	7.9	7.9	29.8	29.8	59.0	59.1	4.1	4.1	9.4	-				-		
C2	Sunny	Moderate	11:31	11.6	Surface	1.0	0.4	337	27.8	27.8	7.9	7.9	25.0	25.0	69.5	69.6	4.8	4.6	3.4	-	<2	825702	806932			
						1.0	0.4	357	27.8	27.8	7.9	7.9	25.0	25.0	69.7	69.7	4.8	4.6	3.4	-						
					Middle	5.8	0.4	322	27.2	27.2	7.9	7.9	26.9	26.9	64.1	64.1	4.4	4.5	6.9	-				-		
						5.8	0.4	353	27.2	27.2	7.9	7.9	26.9	26.9	64.0	64.0	4.4	4.5	6.3	-				-		
					Bottom	10.6	0.3	356	27.1	27.1	7.9	7.9	27.0	27.0	65.1	65.3	4.5	4.5	8.5	-				-		
						10.6	0.3	359	27.1	27.1	7.9	7.9	26.9	26.9	65.4	65.4	4.5	4.5	8.7	-				-		
C3	Sunny	Moderate	09:29	11.6	Surface	1.0	0.4	269	27.0	27.0	7.9	7.9	27.3	27.3	63.1	63.1	4.3	4.3	4.5	-	<2	822122	817799			
						1.0	0.5	270	27.0	27.0	7.9	7.9	27.3	27.3	63.1	63.1	4.3	4.3	4.5	-						
					Middle	5.8	0.5	265	26.7	26.7	7.9	7.9	28.1	28.1	61.6	61.6	4.2	4.1	4.4	-				-		
						5.8	0.5	281	26.7	26.7	7.9	7.9	28.1	28.1	61.6	61.6	4.2	4.1	4.4	-				-		
					Bottom	10.6	0.4	261	26.0	26.0	7.9	7.9	29.9	29.9	59.5	59.6	4.1	4.1	6.9	-				-		
						10.6	0.4	262	26.0	26.0	7.9	7.9	29.9	29.9	59.7	59.7	4.1	4.1	6.8	-				-		
IM1	Sunny	Rough	11:28	4.5	Surface	1.0	0.1	37	26.9	26.9	7.9	7.9	27.8	27.8	77.9	77.9	5.3	5.3	8.7	-	<2	817929	807123			
						1.0	0.1	39	26.9	26.9	7.9	7.9	27.8	27.8	77.9	77.9	5.3	5.3	8.7	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.5	0.0	60	26.7	26.7	7.9	7.9	27.9	27.9	62.0	62.0	4.2	4.2	6.3	-				-		
						3.5	0.0	60	26.7	26.7	7.9	7.9	27.9	27.9	62.0	62.0	4.2	4.2	6.3	-				-		
IM2	Sunny	Rough	11:36	6.6	Surface	1.0	0.4	9	27.1	27.1	7.9	7.9	27.3	27.3	75.1	75.1	5.1	4.8	3.9	-	<2	818159	806156			
						1.0	0.4	9	27.1	27.1	7.9	7.9	27.3	27.3	75.1	75.1	5.1	4.8	3.9	-						
					Middle	3.3	0.3	1	26.6	26.6	7.9	7.9	27.9	27.9	64.3	64.4	4.4	4.1	7.4	-				-		
						3.3	0.4	1	26.6	26.6	7.9	7.9	27.9	27.9	64.4	64.4	4.4	4.1	7.5	-				-		
					Bottom	5.6	0.2	344	26.5	26.5	7.9	7.9	28.1	28.1	59.4	59.5	4.1	4.1	4.2	-				-		
						5.6	0.2	356	26.5	26.5	7.9	7.9	28.1	28.1	59.5	59.5	4.1	4.1	4.3	-				-		
IM3	Sunny	Rough	11:42	6.9	Surface	1.0	0.4	350	26.8	26.8	7.9	7.9	27.7	27.7	69.1	69.2	4.7	4.6	8.1	-	<2	818766	805571			
						1.0	0.4	322	26.8	26.8	7.9	7.9	27.7	27.7	69.3	69.3	4.7	4.6	8.1	-						
					Middle	3.5	0.4	344	26.5	26.5	7.9	7.9	28.1	28.1	64.5	64.5	4.4	4.4	5.6	-				-		
						3.5	0.4	316	26.5	26.5	7.9	7.9	28.1	28.1	64.5	64.5	4.4	4.4	5.6	-				-		
					Bottom	5.9	0.3	330	26.5	26.5	7.9	7.9	28.1	28.1	64.5	64.5	4.4	4.4	7.2	-				-		
						5.9	0.3	340	26.5	26.5	7.9	7.9	28.1	28.1	64.5	64.5	4.4	4.4	7.2	-				-		
IM4	Sunny	Rough	11:49	7.1	Surface	1.0	0.6	357	27.0	27.0	7.9	7.9	27.4	27.4	68.9	68.8	4.7	4.5	8.1	-	<2	819711	804629			
						1.0	0.6	328	27.0	27.0	7.9	7.9	27.4	27.4	68.7	68.7	4.7	4.5	8.2	-						
					Middle	3.6	0.5	351	26.5	26.5	7.9	7.9	28.2	28.2	62.1	62.1	4.3	4.3	5.6	-				-		
						3.6	0.6	323	26.5	26.5	7.9	7.9	28.2	28.2	62.1	62.1	4.3	4.3	5.6	-				-		
					Bottom	6.1	0.4	357	26.5	26.5	7.9	7.9	28.2	28.2	62.4	62.4	4.3	4.3	7.8	-				-		
						6.1	0.4	328	26.5	26.5	7.9	7.9	28.2	28.2	62.4	62.4	4.3	4.3	7.8	-				-		
IM5	Sunny	Rough	11:56	8.0	Surface	1.0	0.9	10	27.1	27.1	8.0	8.0	27.4	27.4	78.2	78.2	5.3	5.1	4.7	-	<2	820717	804880			
						1.0	0.9	10	27.1	27.1	8.0	8.0	27.4	27.4	78.2	78.2	5.3	5.1	4.6	-						
					Middle	4.0	0.8	13	26.7	26.7	7.9	7.9	27.8	27.8	70.0	70.0	4.8	4.8	4.2	-				-		
						4.0	0.8	13	26.7	26.7	7.9	7.9	27.8	27.8	70.0	70.0	4.8	4.8	4.3	-				-		
					Bottom	7.0	0.7	12	26.7	26.7	7.9	7.9	27.8	27.8	69.8	69.8	4.8	4.8	6.3	-				-		
						7.0	0.7	13	26.7	26.7	7.9	7.9	27.8	27.8	69.8	69.8	4.8	4.8	6.3	-				-		
IM6	Sunny	Rough	12:02	8.1	Surface	1.0	0.1	177	27.8	27.8	7.9	7.9	25.2	25.2	76.5	76.5	5.2	5.0	5.0	-	<2	821078	805810			
						1.0	0.1	188	27.8	27.8	7.9	7.9	25.2	25.2	76.5	76.5	5.2	5.0	4.9	-						
					Middle	4.1	0.2	134	27.1	27.1	7.9	7.9	27.0	27.0	68.6	68.6	4.7	4.7	7.0	-				-		
						4.1	0.2	144	27.1	27.1	7.9	7.9	27.0	27.0	68.6	68.6	4.7	4.7	7.0	-				-		
					Bottom	7.1	0.2	81	26.8	26.8	7.9	7.9	27.8	27.8	64.7	64.8	4.4	4.4	8.6	-				-		
						7.1	0.2	88	26.8	26.8	7.9	7.9	27.8	27.8	64.8	64.8	4.4	4.4	8.7	-				-		
IM7	Sunny	Rough	12:10	8.4	Surface	1.0	0.1	309	28.0	28.0	7.9	7.9	24.0	24.0	77.8	77.8	5.3	5.2	4.2	-	<2	821334	806841			
						1.0	0.1	309	28.0	28.0	7.9	7.9	24.0	24.0	77.8	77.8	5.3	5.2	4.3	-						
					Middle	4.2	0.1	83	27.4	27.4	7.9	7.9	26.9	26.9	72.4	72.4	5.0	5.0	5.9	-				-		
						4.2	0.1	85	27.4	27.4	7.9	7.9	26.0	26.0	72.4	72.4	5.0	5.0	6.3	-				-		
					Bottom	7.4	0.2	75	26.8	26.8	7.9	7.9	27.7	27.7	68.1	68.2	4.7	4.7	9.2	-				-		
						7.4	0.2	78	26.8	26.8	7.9	7.9	27.7	27.7	68.3	68.3	4.7	4.7	9.2	-				-		
IM8	Sunny	Moderate	11:06	7.5	Surface	1.0	0.1	56	28.3	28.3	7.9	7.9	24.7	24.7	76.2	76.2	5.2	5.1	3.0	-	#####	821824	808161			
						1.0	0.1	61	28.3	28.3	7.9	7.9	24.7	24.7	76.1	76.1	5.2	5.1	3.1	-						
					Middle	3.8	0.1	49	27.6	27.6	7.9	7.9	25.2	25.2	70.9	70.9	4.9	4.9	5.6	-				-		
						3.8	0.1	53	27.6	27.6	7.9	7.9	25.2	25.2	70.9	70.9	4.9	4.9	5.5	-				-		
					Bottom	6.5	0.1	71	27.5	27.5	7.9	7.9	25.3	25.3	72.0	72.1	4.9	4.9	7.4	-				-		
						6.5	0.1	75	27.5	27.5	7.9	7.9	25.3	25.3	72.1	72.1	4.9	4.9	7.7	-				-		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 28 August 21 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						
IM9	Sunny	Moderate	11:01	6.6	Surface	1.0	0.1	245	27.6	27.6	7.9	7.9	25.3	25.3	70.5	70.5	4.8	4.8	8.9	9.7	-	-	822091	808826				
						1.0	0.1	260	27.6	7.9	7.9	25.3	25.3	70.5	70.5	4.8	4.8	8.9	9.7	-	-							
					Middle	3.3	0.1	236	27.5	27.5	7.9	7.9	25.4	25.4	70.0	70.0	4.8	4.8	9.9	9.7	-	-			-	-		
						3.3	0.1	259	27.5	27.5	7.9	7.9	25.4	25.4	70.0	70.0	4.8	4.8	10.0	9.7	-	-			-	-		
					Bottom	5.6	0.0	151	27.4	27.4	7.9	7.9	25.5	25.5	70.7	70.8	4.9	4.9	10.4	9.7	-	-			-	-		
						5.6	0.0	151	27.4	27.4	8.0	8.0	25.5	25.5	70.7	70.8	4.9	4.9	10.4	9.7	-	-			-	-		
IM10	Sunny	Moderate	10:54	7.8	Surface	1.0	0.7	293	27.3	27.3	7.9	7.9	26.1	26.1	69.2	69.2	4.7	4.7	7.5	12.0	-	-	822403	809808				
						1.0	0.8	302	27.3	27.3	7.9	7.9	26.1	26.1	69.1	69.2	4.7	4.7	7.9	12.0	-	-						
					Middle	3.9	0.6	293	27.1	27.1	7.9	7.9	26.7	26.7	63.5	63.5	4.4	4.4	12.2	12.0	-	-			-	-		
						3.9	0.6	311	27.1	27.1	7.9	7.9	26.7	26.7	63.5	63.5	4.4	4.4	12.3	12.0	-	-			-	-		
					Bottom	6.8	0.5	286	27.1	27.1	7.9	7.9	26.9	26.9	63.6	63.7	4.4	4.4	16.2	12.0	-	-			-	-		
						6.8	0.5	312	27.1	27.1	7.9	7.9	26.9	26.9	63.8	63.7	4.4	4.4	16.0	12.0	-	-			-	-		
IM11	Sunny	Moderate	10:45	8.4	Surface	1.0	0.6	287	27.6	27.6	8.0	8.0	25.8	25.8	70.4	70.4	4.8	4.8	3.1	6.8	-	-	822056	811440				
						1.0	0.7	312	27.6	27.6	8.0	8.0	25.8	25.8	70.4	70.4	4.8	4.8	3.1	6.8	-	-						
					Middle	4.2	0.7	280	27.0	27.0	7.9	7.9	27.1	27.1	62.5	62.5	4.3	4.3	7.9	6.8	-	-			-	-		
						4.2	0.7	297	27.0	27.0	7.9	7.9	27.1	27.1	62.4	62.5	4.3	4.3	7.9	6.8	-	-			-	-		
					Bottom	7.4	0.4	266	26.5	26.5	7.9	7.9	28.8	28.8	58.3	58.4	4.0	4.0	9.3	6.8	-	-			-	-		
						7.4	0.4	266	26.5	26.5	7.9	7.9	28.8	28.8	58.4	58.4	4.0	4.0	9.8	6.8	-	-			-	-		
IM12	Sunny	Moderate	10:40	9.1	Surface	1.0	0.5	261	27.1	27.1	7.9	7.9	27.2	27.2	64.6	64.6	4.5	4.5	11.3	12.3	-	-	821452	812035				
						1.0	0.6	269	27.0	27.0	7.9	7.9	27.2	27.2	64.6	64.6	4.5	4.5	11.6	12.3	-	-						
					Middle	4.6	0.5	265	27.0	27.0	7.9	7.9	27.2	27.2	64.5	64.5	4.4	4.4	12.1	12.3	-	-			-	-		
						4.6	0.6	280	27.0	27.0	7.9	7.9	27.2	27.2	64.5	64.5	4.4	4.4	12.4	12.3	-	-			-	-		
					Bottom	8.1	0.5	268	27.0	27.0	7.9	7.9	27.2	27.2	65.3	65.4	4.5	4.5	13.5	12.3	-	-			-	-		
						8.1	0.5	293	27.0	27.0	7.9	7.9	27.2	27.2	65.5	65.4	4.5	4.5	13.2	12.3	-	-			-	-		
SR1A	Sunny	Moderate	10:09	5.2	Surface	1.0	-	-	27.5	27.5	7.9	7.9	25.6	25.6	71.3	71.2	4.9	4.9	4.0	5.1	-	-	819981	812662				
						1.0	-	-	27.5	27.5	7.9	7.9	25.6	25.6	71.1	71.2	4.9	4.9	4.2	5.1	-	-						
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	4.2	-	-	27.3	27.3	7.9	7.9	26.1	26.1	69.9	70.1	4.8	4.8	6.1	5.1	-	-			-	-	-	-
						4.2	-	-	27.3	27.3	7.9	7.9	26.1	26.1	70.2	70.1	4.8	4.8	6.0	5.1	-	-			-	-	-	-
SR2	Sunny	Moderate	09:54	4.7	Surface	1.0	0.1	107	26.7	26.7	8.0	8.0	28.0	28.1	63.5	63.4	4.5	4.5	8.3	8.5	-	-	821440	814165				
						1.0	0.1	108	26.7	26.7	8.0	8.0	28.2	28.1	63.2	63.4	4.6	4.6	8.3	8.5	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.7	0.2	162	26.4	26.5	8.0	8.0	29.0	29.0	62.9	63.1	4.3	4.3	8.6	8.5	-	-			-	-	-	-
						3.7	0.2	163	26.5	26.5	8.0	8.0	29.0	29.0	63.3	63.1	4.3	4.3	8.7	8.5	-	-			-	-	-	-
SR3	Sunny	Moderate	11:13	8.6	Surface	1.0	0.0	304	28.1	28.1	7.9	7.9	24.2	24.2	74.7	74.8	5.1	5.1	3.4	6.6	-	-	822155	807577				
						1.0	0.0	319	28.1	28.1	7.9	7.9	24.3	24.3	74.8	74.8	5.1	5.1	3.6	6.6	-	-						
					Middle	4.3	0.0	327	27.5	27.5	7.9	7.9	25.4	25.5	69.1	69.0	4.7	4.7	6.2	6.6	-	-			-	-		
						4.3	0.0	354	27.5	27.5	7.9	7.9	25.5	25.5	68.9	69.0	4.7	4.7	6.4	6.6	-	-			-	-		
					Bottom	7.6	0.2	55	27.1	27.1	7.9	7.9	26.6	26.6	68.0	68.1	4.7	4.7	9.9	6.6	-	-			-	-		
						7.6	0.2	57	27.1	27.1	7.9	7.9	26.6	26.6	68.1	68.1	4.7	4.7	10.0	6.6	-	-			-	-		
SR4A	Sunny	Moderate	10:47	8.9	Surface	1.0	0.1	264	27.2	27.2	7.9	7.9	26.6	26.6	69.4	69.4	4.8	4.8	6.1	6.7	-	-	817172	807789				
						1.0	0.1	281	27.2	27.2	7.9	7.9	26.6	26.6	69.3	69.4	4.8	4.8	6.1	6.7	-	-						
					Middle	4.5	0.1	257	26.9	26.9	7.9	7.9	27.0	27.0	65.1	65.1	4.5	4.5	6.7	6.7	-	-			-	-		
						4.5	0.1	261	26.9	26.9	7.9	7.9	27.0	27.0	65.1	65.1	4.5	4.5	6.7	6.7	-	-			-	-		
					Bottom	7.9	0.1	266	26.7	26.7	7.9	7.9	27.4	27.4	63.8	63.8	4.4	4.4	7.3	6.7	-	-			-	-		
						7.9	0.1	268	26.7	26.7	7.9	7.9	27.4	27.4	63.8	63.8	4.4	4.4	7.3	6.7	-	-			-	-		
SR5A	Sunny	Moderate	10:31	3.6	Surface	1.0	0.2	301	27.5	27.5	7.9	7.9	26.0	26.0	71.6	71.6	4.9	4.9	6.4	7.6	-	-	816608	810681				
						1.0	0.2	309	27.5	27.5	7.9	7.9	26.0	26.0	71.6	71.6	4.9	4.9	6.3	7.6	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	2.6	0.2	297	27.5	27.5	7.9	7.9	26.0	26.0	72.3	72.4	4.9	5.0	8.7	7.6	-	-			-	-		
						2.6	0.2	321	27.5	27.5	7.9	7.9	26.0	26.0	72.4	72.4	4.9	5.0	8.9	7.6	-	-			-	-		
SR6A	Sunny	Moderate	10:05	4.1	Surface	1.0	0.1	324	27.3	27.3	7.9	7.9	25.9	25.9	70.8	70.8	4.9	4.9	7.8	6.9	-	-	817942	814719				
						1.0	0.1	342	27.3	27.3	7.9	7.9	25.9	25.9	70.8	70.8	4.9	4.9	7.7	6.9	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.1	0.1	310	27.2	27.2	7.8	7.8	26.3	26.3	67.5	67.6	4.6	4.6	6.1	6.9	-	-			-	-		
						3.1	0.1	337	27.2	27.2	7.8	7.8	26.3	26.3	67.6	67.6	4.6	4.6	6.2	6.9	-	-			-	-		
SR7	Sunny	Moderate	08:58	16.5	Surface	1.0	0.1	323	27.1	27.1	7.9	7.9	27.0	27.0	67.2	67.3	5.0	5.0	3.4	4.0	-	-	823643	823721				
						1.0	0.1	355	27.1	27.1	7.9	7.9	27.0	27.0	67.3	67.3	5.0	5.0	3.4	4.0	-	-						
					Middle	8.3	0.3	171	26.5	26.5	7.9	7.9	28.3	28.3	61.6	61.6	4.9	4.9	3.7	4.0	-	-			-	-		
						8.3	0.3	180	26.5	26.5	7.9	7.9	28.3	28.3	61.5	61.5	5.0	5.0	3.7	4.0	-	-			-	-		
					Bottom	15.5	0.1																					



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

**Water Quality Monitoring Results on 31 August 21 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	Calm	07:48	7.8	Surface	1.0	0.5	195	27.7	27.7	7.6	7.6	24.6	24.7	90.0	90.0	6.2	6.0	6.4	7.4	<2	2	815630	804259						
						1.0	0.5	197	27.7	7.6	7.6	24.8	24.8	89.9	89.9	6.2	6.0	6.4	7.4	<2	2									
					Middle	3.9	0.4	226	27.5	27.5	7.6	7.6	26.0	26.0	84.8	84.7	5.8	6.0	7.4	7.4	2	2			2	2				
						3.9	0.4	231	27.5	27.5	7.6	7.6	26.0	26.0	84.6	84.6	5.8	6.0	7.4	7.4	2	2			2	2				
					Bottom	6.8	0.4	236	26.9	27.0	7.6	7.6	28.3	28.3	65.4	65.6	4.5	4.5	8.5	4.5	8.4	2			2	2	2			
						6.8	0.4	254	27.0	27.0	7.6	7.6	28.2	28.2	65.8	65.8	4.5	4.5	8.4	4.5	8.4	2			2	2	2			
C2	Cloudy	Moderate	08:56	11.2	Surface	1.0	0.6	173	28.4	28.4	7.9	7.9	21.1	21.2	77.8	77.6	5.4	4.9	2.2	2.9	<2	2	825704	806958						
						1.0	0.6	186	28.4	28.4	7.9	7.9	21.2	21.2	77.4	77.4	5.4	4.9	2.3	2.9	<2	2								
					Middle	5.6	0.4	165	28.8	26.8	7.8	7.8	28.7	28.8	64.0	64.0	4.4	4.6	2.4	4.6	2.4	2.9			<2	2	2	2		
						5.6	0.4	169	28.8	26.8	7.8	7.8	28.8	28.8	63.9	63.9	4.4	4.6	2.6	4.6	2.6	2.9			<2	2	2	2		
					Bottom	10.2	0.2	169	28.2	26.2	7.8	7.8	29.7	29.7	65.4	65.9	4.5	4.5	4.0	4.5	4.0	4.5			4.0	4.5	4.0	4.5	4.0	4.5
						10.2	0.2	184	26.2	26.2	7.8	7.8	29.7	29.7	66.4	66.4	4.5	4.5	4.0	4.5	4.0	4.5			4.0	4.5	4.0	4.5	4.0	4.5
C3	Cloudy	Moderate	06:39	11.9	Surface	1.0	0.1	144	26.7	26.7	7.8	7.8	29.0	29.0	68.2	68.2	4.6	4.6	2.4	3.1	4	3	822085	817817						
						1.0	0.1	148	26.7	26.7	7.8	7.8	29.0	29.0	68.1	68.1	4.6	4.6	2.4	3.1	4	3								
					Middle	6.0	0.0	94	26.7	26.7	7.8	7.8	29.1	29.1	66.9	66.8	4.6	4.6	2.4	4.6	2.4	3.1			2	3	2	3		
						6.0	0.0	95	26.7	26.7	7.8	7.8	29.1	29.1	66.6	66.6	4.5	4.6	2.4	4.6	2.4	3.1			2	3	2	3		
					Bottom	10.9	0.1	64	26.1	26.2	7.8	7.8	30.3	30.2	65.5	65.8	4.5	4.5	4.7	4.5	4.7	4.5			4.7	4.5	4.7	4.5	4.7	4.5
						10.9	0.1	65	26.2	26.2	7.8	7.8	30.2	30.2	66.0	66.0	4.5	4.5	4.5	4.5	4.5	4.5			4.5	4.5	4.5	4.5	4.5	4.5
IM1	Fine	Calm	08:09	4.2	Surface	1.0	0.0	339	27.1	27.1	7.5	7.5	26.6	26.6	77.8	78.1	5.3	5.4	4.1	4.6	<2	3	817953	807133						
						1.0	0.0	312	27.1	27.1	7.5	7.5	26.5	26.5	78.3	78.3	5.4	5.4	4.2	4.6	<2	3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			4.6	-	3	3		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4.6	-	3	3	
					Bottom	3.2	0.0	10	27.1	27.1	7.5	7.5	27.8	27.8	65.3	65.4	4.4	4.5	5.0	4.5	5.0	4.5			5.0	4.5	5.0	4.5	5.0	4.5
						3.2	0.0	10	27.1	27.1	7.5	7.5	27.8	27.8	65.5	65.5	4.4	4.5	5.0	4.5	5.0	4.5			5.0	4.5	5.0	4.5	5.0	4.5
IM2	Fine	Calm	08:17	6.2	Surface	1.0	0.1	6	27.3	27.3	7.6	7.6	25.5	25.5	87.6	87.4	6.0	5.4	5.4	6.7	3	3	818152	806167						
						1.0	0.1	6	27.2	27.3	7.6	7.6	25.5	25.5	87.2	87.2	6.0	5.4	5.4	6.7	3	3								
					Middle	3.1	0.1	325	26.6	26.6	7.6	7.6	28.3	28.3	69.5	69.7	4.8	4.6	7.0	4.6	7.0	4.6			7.0	4.6	7.0	4.6	7.0	4.6
						3.1	0.1	343	26.6	26.6	7.6	7.6	28.3	28.3	69.8	69.8	4.8	4.6	7.0	4.6	7.0	4.6			7.0	4.6	7.0	4.6	7.0	4.6
					Bottom	5.2	0.0	244	27.1	27.2	7.5	7.5	28.3	28.3	66.3	66.5	4.5	4.5	7.8	4.5	7.8	4.5			7.8	4.5	7.8	4.5	7.8	4.5
						5.2	0.0	265	27.2	27.2	7.5	7.5	28.2	28.2	66.6	66.6	4.5	4.5	7.9	4.5	7.9	4.5			7.9	4.5	7.9	4.5	7.9	4.5
IM3	Fine	Calm	08:24	6.4	Surface	1.0	0.1	243	27.3	27.3	7.6	7.6	24.7	24.6	89.4	89.2	6.2	5.5	6.2	7.2	4	3	818784	805582						
						1.0	0.1	250	27.2	27.3	7.6	7.6	24.6	24.6	88.9	88.9	6.2	5.5	6.2	7.2	4	3								
					Middle	3.2	0.1	252	26.6	26.6	7.5	7.5	28.6	28.6	68.5	68.8	4.7	4.6	7.0	4.6	7.0	4.6			7.0	4.6	7.0	4.6	7.0	4.6
						3.2	0.1	256	26.6	26.6	7.6	7.6	28.7	28.7	69.0	69.0	4.7	4.6	7.1	4.6	7.1	4.6			7.1	4.6	7.1	4.6	7.1	4.6
					Bottom	5.4	0.0	90	26.2	26.2	7.6	7.5	29.4	29.3	64.8	65.2	4.4	4.5	8.6	4.5	8.6	4.5			8.6	4.5	8.6	4.5	8.6	4.5
						5.4	0.0	94	26.2	26.2	7.5	7.5	29.3	29.3	65.6	65.6	4.5	4.5	8.5	4.5	8.5	4.5			8.5	4.5	8.5	4.5	8.5	4.5
IM4	Fine	Calm	08:34	7.6	Surface	1.0	0.6	199	27.7	27.7	7.6	7.6	22.3	22.2	88.8	88.9	6.2	5.7	4.5	5.5	<2	2	819745	804615						
						1.0	0.6	217	27.7	27.7	7.6	7.6	22.0	22.0	89.0	89.0	6.2	5.7	4.5	5.5	<2	2								
					Middle	3.8	0.3	196	27.3	27.3	7.5	7.5	25.9	25.8	75.8	75.9	5.2	5.6	5.7	5.6	5.7	5.6			5.7	5.6	5.7	5.6	5.7	5.6
						3.8	0.3	214	27.2	27.2	7.5	7.5	25.8	25.8	75.9	75.9	5.2	5.6	5.7	5.6	5.7	5.6			5.7	5.6	5.7	5.6	5.7	5.6
					Bottom	6.6	0.1	179	27.0	27.1	7.5	7.5	27.5	27.4	62.8	63.5	4.3	4.4	6.5	4.4	6.5	4.4			6.4	4.4	6.4	4.4	6.4	4.4
						6.6	0.1	185	27.1	27.1	7.5	7.5	27.3	27.3	64.2	64.2	4.3	4.4	6.4	4.4	6.4	4.4			6.4	4.4	6.4	4.4	6.4	4.4
IM5	Fine	Calm	08:44	7.2	Surface	1.0	0.6	206	28.2	28.1	7.6	7.6	20.7	20.7	91.9	91.8	6.4	6.3	5.7	6.6	<2	2	820728	804890						
						1.0	0.6	226	28.0	28.0	7.6	7.6	20.7	20.7	91.6	91.6	6.4	6.3	5.7	6.6	<2	2								
					Middle	3.6	0.5	212	27.7	27.7	7.6	7.6	23.4	23.4	90.4	90.2	6.2	6.0	6.3	6.0	6.3	6.0			6.3	6.0	6.3	6.0	6.3	
						3.6	0.5	230	27.7	27.7	7.6	7.6	23.4	23.4	90.0	90.0	6.2	6.0	6.3	6.0	6.3	6.0			6.3	6.0	6.3	6.0	6.3	
					Bottom	6.2	0.4	217	27.8	27.9	7.6	7.6	25.9	25.9	79.0	79.2	5.4	5.4	7.8	5.4	7.8	5.4			7.7	5.4	7.7	5.4	7.7	
						6.2	0.4	234	27.9	27.9	7.6	7.6	25.9	25.9	79.3	79.3	5.4	5.4	7.7	5.4	7.7	5.4			7.7	5.4	7.7	5.4	7.7	
IM6	Fine	Calm	08:52	6.6	Surface	1.0	0.3	261	28.0	28.0	7.6	7.6	23.6	23.6	95.0	94.7	6.5	6.3	2.6	3.5	2	2	821055	805851						
						1.0	0.3	285	28.0	28.0	7.6	7.6	23.7	23.7	94.3	94.3	6.5	6.3	2.6	3.5	2	2								
					Middle	3.3	0.3	257	27.8	27.8	7.6	7.6	24.0	24.0	89.3	89.3	6.1	6.0	3.7	6.0	3.7	6.0			3.7	6.0	3.7	6.0		
						3.3	0.3	260	27.7	27.7	7.6	7.6	24.1	24.1	89.2	89.2	6.1	6.0	3.8	6.0	3.8	6.0			3.8	6.0	3.8	6.0		
					Bottom	5.6	0.2	253	27.8	27.9	7.5	7.5	26.8	26.8	73.8	74.5	5.0	5.1	4.2	5.1	4.2	5.1			4.2	5.1	4.2	5.1	4.2	
						5.6	0.3	266	27.9	27.9	7.5	7.5	26.8	26.8	75.1	75.1	5.0	5.1	4.1	5.1	4.1	5.1			4.1	5.1	4.1	5.1	4.1	
IM7	Fine	Calm	09:00	7.8	Surface	1.0	0.4	270	28.0	28.0	7.5	7.5	23.9	24.0	90.0	89.9	6.2	6.0	5.1	6.5	3	3	821352	806844						
						1.0	0.5	283	27.9	27.9	7.5	7.5	24.0	24.0	89.8	89.8	6.2	6.0	5											

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

**Water Quality Monitoring Results on 31 August 21 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								
IM9	Cloudy	Moderate	08:20	7.1	Surface	1.0	0.3	162	28.0	28.0	7.9	7.9	24.3	24.4	83.3	83.2	5.7	5.7	2.6	2.6	2	2	822092	808816						
						1.0	0.4	167	27.9	7.9	7.9	24.4	24.4	83.0	83.0	5.7	5.7	2.8	2.8	2	2									
					Middle	3.6	0.2	161	27.7	27.7	7.9	7.9	25.0	25.0	81.1	81.1	5.6	5.6	4.5	4.5	2	2								
						3.6	0.3	169	27.6	27.6	7.9	7.9	25.0	25.0	81.0	81.0	5.6	5.6	4.9	4.9	2	2								
					Bottom	6.1	0.1	53	27.1	27.1	7.9	7.9	25.5	26.5	71.9	71.9	4.9	4.9	7.5	7.5	2	2								
						6.1	0.1	56	27.1	27.1	7.9	7.9	27.4	27.4	71.9	71.9	4.9	4.9	7.9	7.9	3	3								
IM10	Cloudy	Moderate	08:12	7.3	Surface	1.0	0.5	139	27.7	27.7	7.9	7.9	25.7	25.8	79.2	79.0	5.4	5.4	2.3	2.3	4	4	822383	809789						
						1.0	0.5	144	27.7	27.7	7.9	7.9	25.9	26.3	78.8	73.3	5.4	5.0	2.3	2.5	3	3								
					Middle	3.7	0.3	128	27.5	27.5	7.9	7.9	26.3	26.3	73.0	73.2	5.0	5.0	2.5	2.5	3	3								
						3.7	0.3	137	27.5	27.5	7.9	7.9	26.3	26.3	73.0	73.0	5.0	5.0	2.5	2.5	3	3								
					Bottom	6.3	0.3	108	27.1	27.1	7.9	7.9	27.4	27.4	71.2	71.3	4.9	4.9	7.6	7.6	2	2								
						6.3	0.3	118	27.1	27.1	7.9	7.9	27.4	27.4	71.4	71.4	4.9	4.9	7.5	7.5	2	2								
IM11	Cloudy	Moderate	08:00	8.0	Surface	1.0	0.4	106	27.4	27.4	7.9	7.9	26.4	26.4	75.3	75.3	5.1	5.1	3.2	3.2	2	2	822061	811473						
						1.0	0.5	114	27.4	27.4	7.9	7.9	26.4	26.4	75.2	75.2	5.1	5.1	3.2	3.2	2	2								
					Middle	4.0	0.4	102	27.1	27.1	7.8	7.8	27.3	27.4	68.5	68.4	4.7	4.7	6.4	6.4	2	2								
						4.0	0.4	109	27.1	27.1	7.8	7.8	27.4	27.4	68.2	68.2	4.7	4.7	7.0	7.0	3	3								
					Bottom	7.0	0.2	118	26.9	26.9	7.8	7.8	28.0	28.0	62.4	64.2	4.3	4.4	9.8	9.8	<2	<2								
						7.0	0.2	118	26.9	26.9	7.8	7.8	28.0	28.0	65.9	65.9	4.5	4.5	9.3	9.3	<2	<2								
IM12	Cloudy	Moderate	07:52	9.2	Surface	1.0	0.5	98	27.6	27.6	7.9	7.9	25.5	25.5	78.9	78.7	5.4	5.4	2.6	2.6	4	4	821444	812052						
						1.0	0.5	101	27.5	27.5	7.9	7.9	25.5	25.5	78.5	78.5	5.4	5.4	2.8	2.8	3	3								
					Middle	4.6	0.3	80	27.1	27.1	7.8	7.8	27.5	27.5	65.6	65.5	4.5	5.0	3.8	3.8	2	2								
						4.6	0.3	82	27.1	27.1	7.8	7.8	27.5	27.5	65.3	65.3	4.5	4.5	3.8	3.8	2	2								
					Bottom	8.2	0.2	88	26.9	26.9	7.8	7.8	28.1	28.1	62.6	62.7	4.3	4.3	7.8	7.8	2	2								
						8.2	0.2	90	26.9	26.9	7.8	7.8	28.1	28.1	62.8	62.8	4.3	4.3	8.1	8.1	2	2								
SR1A	Cloudy	Moderate	07:20	5.1	Surface	1.0	-	-	27.4	27.4	7.9	7.9	26.0	26.1	80.3	80.3	5.5	5.5	2.6	2.6	2	2	819980	812662						
						1.0	-	-	27.4	27.4	7.9	7.9	26.2	26.1	80.3	80.3	5.5	5.5	2.6	2.6	3	3								
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	7.0	-	4	4
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	4
					Bottom	4.1	-	-	27.3	27.3	7.9	7.8	26.8	26.8	77.5	77.8	5.3	5.3	11.4	11.3	4	4								
						4.1	-	-	27.3	27.3	7.8	7.8	26.8	26.8	78.1	78.1	5.3	5.3	11.3	11.3	5	5								
SR2	Cloudy	Moderate	07:04	4.2	Surface	1.0	0.4	56	27.4	27.4	7.9	7.9	26.5	26.6	78.4	78.2	5.4	5.4	2.7	2.7	5	5	821456	814177						
						1.0	0.4	60	27.3	27.3	7.9	7.9	26.6	26.6	78.0	78.0	5.3	5.3	3.0	3.0	4	4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3.3	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	4
					Bottom	3.2	0.3	48	27.2	27.2	7.8	7.8	27.3	27.3	71.5	71.7	4.9	4.9	3.7	3.7	3	3								
						3.2	0.3	51	27.2	27.2	7.8	7.8	27.3	27.3	71.9	71.9	4.9	4.9	3.7	3.7	2	2								
SR3	Cloudy	Moderate	08:32	8.3	Surface	1.0	0.3	187	27.5	27.5	7.9	7.9	26.2	26.2	75.0	75.0	5.1	5.1	2.6	2.6	<2	<2	822125	807567						
						1.0	0.3	188	27.5	27.5	7.9	7.9	26.3	26.3	74.9	74.9	5.1	5.1	2.6	2.6	<2	<2								
					Middle	4.2	0.2	202	27.1	27.1	7.8	7.8	27.5	27.5	66.8	66.6	4.6	4.8	4.3	4.3	3	3								
						4.2	0.2	214	27.0	27.0	7.8	7.8	27.6	27.6	66.3	66.3	4.5	4.5	4.4	4.4	2	2								
					Bottom	7.3	0.1	305	26.8	26.8	7.8	7.8	28.2	28.2	65.4	65.6	4.5	4.5	10.4	10.4	4	4								
						7.3	0.1	328	26.8	26.8	7.8	7.8	28.2	28.2	65.7	65.7	4.5	4.5	10.6	10.6	3	3								
SR4A	Fine	Calm	07:28	7.2	Surface	1.0	0.2	254	27.1	27.1	7.5	7.5	27.0	27.0	74.9	74.8	5.1	5.1	5.2	5.2	2	2	817181	807795						
						1.0	0.2	258	27.1	27.1	7.5	7.5	27.1	27.1	74.7	74.7	5.1	5.1	5.1	5.1	2	2								
					Middle	3.6	0.1	250	26.9	26.9	7.5	7.5	27.7	27.7	65.6	65.6	4.5	4.8	6.6	6.6	2	2								
						3.6	0.1	268	26.9	26.9	7.5	7.5	27.7	27.7	65.6	65.6	4.5	4.5	6.6	6.6	3	3								
					Bottom	6.2	0.1	267	27.0	27.0	7.5	7.5	27.6	27.6	67.3	67.5	4.6	4.6	7.7	7.7	3	3								
						6.2	0.1	279	27.0	27.0	7.5	7.5	27.6	27.6	67.6	67.6	4.6	4.6	7.7	7.7	3	3								
SR5A	Fine	Calm	07:11	3.4	Surface	1.0	0.1	342	27.5	27.5	7.5	7.5	26.1	26.1	84.7	84.7	5.8	5.8	4.0	4.0	3	3	816581	810680						
						1.0	0.1	354	27.5	27.5	7.5	7.5	26.1	26.1	84.6	84.6	5.8	5.8	4.0	4.0	3	3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4.4	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	4
					Bottom	2.4	0.1	342	27.4	27.4	7.5	7.5	26.3	26.3	85.0	85.0	5.8	5.8	4.9	4.8	5	5								
						2.4	0.1	315	27.3	27.3	7.5	7.5	26.4	26.4	85.0	85.0	5.8	5.8	4.8	4.8	4	4								
SR6A	Fine	Calm	06:43	5.0	Surface	1.0	0.0	263	27.1	27.1	7.4	7.4	27.7	27.7	68.6	68.2	4.7	4.7	4.0	4.0	5	5	817941	814731						
						1.0	0.0	281	27.1	27.1	7.4	7.4	27.7	27.7	67.7	67.7	4.6	4.6	4.1	4.1	4	4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5.0	-	5	5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	5
					Bottom	4.0	0.0	272	27.2	27.2	7.4	7.4	27.6	27.6	63.1	63.7	4.3	4.4	5.9	5.8	5	5								
						4.0	0.0	289	27.2	27.2	7.4	7.4	27.6	27.6	64.3	64.3	4.4	4.4	5.8	5.8	4	4								
SR7	Cloudy	Moderate	06:05	16.5	Surface	1.0	0.3	83	26.8	26.8	7.8	7.8	29.0	29.0	72.2	72.2	4.9	4.9	2.0	2.0	6	6	823644	823743						
						1.0	0.3	90	26.8	26.8	7.8	7.8	29.0	29.0	72.2	72.2	4.9	4.9	2.0	2.0	5	5								
					Middle	8.3	0.0	347	26.6	26.6	7.8	7.8	29.4	29.4	68.1	68.1	4.6	4.8	2.2	2.2	5	5								
						8.3	0.0	347	26.5	26.5	7.8	7.8	29.4	29.4	68.1	68.1	4.6	4.6	2.2	2.2	4	4								
					Bottom	15.5	0.1	58	25.7	25.7	7.8	7.8	30.9	30.9	57.0	56.9	3.9	3.9	2.1	2.1	3	3								
						15.5	0.1	61	25.7	25.7	7.8	7.																		

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

**Water Quality Monitoring Results on 31 August 21 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Fine	Calm	19:12	7.6	Surface	1.0	0.2	18	27.8	27.8	7.6	7.6	24.0	24.1	86.9	86.8	6.0	5.8	4.1	5.5	3	4	815607	804270			
						1.0	0.2	19	27.8	7.6	7.6	24.1	24.1	86.6	86.6	6.0	5.8	4.1	5.5	3							
					Middle	3.8	0.0	47	26.9	26.9	7.6	7.6	25.0	25.0	82.1	80.9	5.7	5.7	5.6	5.7	3				4		
						3.8	0.0	49	26.8	26.8	7.6	7.6	25.1	25.1	79.6	79.6	5.5	5.7	5.7	5.7	4				4		
					Bottom	6.6	0.2	65	26.6	26.6	7.5	7.5	28.5	28.6	67.0	66.8	4.6	4.6	6.9	6.8	5				4		
						6.6	0.2	69	26.5	26.5	7.5	7.5	28.6	28.6	66.6	66.6	4.6	4.6	6.8	6.8	4				4		
C2	Rainy	Moderate	18:08	10.6	Surface	1.0	0.6	17	28.2	28.2	7.9	7.8	22.0	22.0	78.1	78.0	5.4	4.7	2.1	4.3	3	2	825701	806938			
						1.0	0.6	18	28.1	28.1	7.8	7.8	22.0	22.0	77.9	77.9	5.4	4.7	2.2	4.3	2						
					Middle	5.3	0.4	16	26.8	26.8	7.8	7.8	28.8	28.8	59.7	59.5	4.1	3.9	3.2	3.4	2				3		
						5.3	0.5	16	26.7	26.7	7.8	7.8	28.8	28.8	59.2	59.2	4.0	3.9	3.4	3.4	3				3		
					Bottom	9.6	0.2	46	26.4	26.4	7.8	7.8	29.5	29.5	56.4	56.3	3.9	3.9	7.5	7.5	2				2		
						9.6	0.2	49	26.4	26.4	7.8	7.8	29.5	29.5	56.1	56.1	3.8	3.8	7.6	7.6	2				2		
C3	Rainy	Moderate	20:04	11.4	Surface	1.0	0.1	32	27.0	26.9	7.8	7.8	28.2	28.3	72.3	72.1	4.9	4.5	3.0	4.9	2	2	822094	817806			
						1.0	0.1	34	26.8	26.8	7.8	7.8	28.5	28.3	71.8	71.8	4.9	4.5	3.0	4.9	2						
					Middle	5.7	0.2	29	26.1	26.1	7.8	7.8	30.1	30.2	61.0	60.7	4.2	4.1	5.7	6.1	2				3		
						5.7	0.2	31	26.0	26.0	7.8	7.8	30.3	30.2	60.4	60.4	4.1	4.1	6.1	6.1	3				3		
					Bottom	10.4	0.1	21	25.8	25.8	7.8	7.8	30.8	30.8	59.0	59.3	4.0	4.1	5.8	5.9	2				3		
						10.4	0.2	22	25.8	25.8	7.8	7.8	30.8	30.8	59.6	59.6	4.1	4.1	5.9	5.9	3				3		
IM1	Fine	Calm	18:53	4.0	Surface	1.0	0.1	52	27.3	27.3	7.6	7.6	26.7	26.8	84.1	83.5	5.7	5.7	7.2	7.7	6	6	817945	807147			
						1.0	0.1	52	27.3	27.3	7.6	7.6	27.0	27.0	82.8	82.8	5.7	5.7	7.2	7.7	5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.0	0.1	41	26.7	26.7	7.5	7.5	28.2	28.1	73.8	73.8	5.1	5.2	8.3	8.3	7				7		
						3.0	0.1	44	26.7	26.7	7.5	7.5	28.1	28.1	76.3	76.3	5.2	5.2	8.3	8.3	7				7		
IM2	Fine	Calm	18:46	6.0	Surface	1.0	0.1	31	27.0	27.0	7.6	7.6	25.7	25.7	91.0	90.0	6.3	5.5	5.3	6.6	3	4	818168	806150			
						1.0	0.1	31	26.9	26.9	7.6	7.6	25.7	25.7	89.0	89.0	6.2	5.5	5.3	6.6	4						
					Middle	3.0	0.1	31	26.6	26.6	7.6	7.6	28.6	28.6	70.5	68.7	4.8	4.7	6.9	7.0	4				3		
						3.0	0.1	32	26.5	26.5	7.6	7.6	28.7	28.7	66.9	66.9	4.6	4.7	7.0	7.0	3				3		
					Bottom	5.0	0.0	29	26.5	26.5	7.6	7.6	28.9	28.9	67.8	68.2	4.6	4.7	7.6	7.5	4				3		
						5.0	0.0	30	26.5	26.5	7.6	7.6	28.9	28.9	68.5	68.5	4.7	4.7	7.5	7.5	3				3		
IM3	Fine	Calm	18:39	6.2	Surface	1.0	0.1	34	27.9	27.9	7.7	7.7	25.2	25.2	96.8	96.6	6.6	5.5	7.3	8.3	5	4	818803	805585			
						1.0	0.1	36	27.9	27.9	7.7	7.7	25.1	25.1	96.4	96.4	6.6	5.5	7.4	8.3	4						
					Middle	3.1	0.1	34	26.5	26.5	7.6	7.6	28.8	28.8	65.0	64.9	4.5	4.4	8.3	8.2	4				4		
						3.1	0.1	36	26.4	26.4	7.6	7.6	28.9	28.9	64.7	64.7	4.4	4.5	8.2	8.2	4				4		
					Bottom	5.2	0.1	20	26.3	26.3	7.6	7.6	29.0	29.0	65.1	65.5	4.5	4.5	9.3	9.3	3				3		
						5.2	0.1	20	26.3	26.3	7.6	7.6	29.0	29.0	65.8	65.8	4.5	4.5	9.3	9.3	2				2		
IM4	Fine	Calm	18:32	7.8	Surface	1.0	0.8	21	27.9	27.9	7.6	7.6	21.9	21.9	88.5	88.3	6.1	5.4	3.9	4.6	4	4	819714	804619			
						1.0	0.8	21	27.8	27.8	7.6	7.6	22.0	22.0	88.1	88.1	6.1	5.4	3.9	4.6	3						
					Middle	3.9	0.6	25	26.8	26.8	7.5	7.5	27.7	27.7	69.1	69.1	4.7	4.7	4.3	4.3	3				4		
						3.9	0.6	25	26.8	26.8	7.5	7.5	27.8	27.8	69.1	69.1	4.7	4.7	4.3	4.3	4				4		
					Bottom	6.8	0.4	23	26.5	26.5	7.5	7.5	28.7	28.8	62.0	62.1	4.2	4.3	5.6	5.6	4				4		
						6.8	0.4	23	26.5	26.5	7.5	7.5	28.8	28.8	62.2	62.2	4.3	4.3	5.6	5.6	4				4		
IM5	Fine	Calm	18:26	7.2	Surface	1.0	0.6	20	28.2	28.2	7.6	7.6	21.7	21.7	91.0	90.9	6.3	6.3	5.1	6.1	2	3	820726	804888			
						1.0	0.6	21	28.1	28.1	7.6	7.6	21.7	21.7	90.8	90.8	6.3	6.3	5.1	6.1	3						
					Middle	3.6	0.6	22	27.8	27.8	7.6	7.6	23.8	23.7	90.2	90.4	6.2	6.3	6.1	6.1	3				3		
						3.6	0.6	22	27.8	27.8	7.6	7.6	23.6	23.6	90.6	90.6	6.3	6.3	6.1	6.1	3				3		
					Bottom	6.2	0.4	27	27.6	27.7	7.5	7.5	26.0	26.0	76.9	77.0	5.2	5.2	7.2	7.2	4				4		
						6.2	0.4	28	27.7	27.7	7.5	7.5	26.0	26.0	77.0	77.0	5.2	5.2	7.2	7.2	3				3		
IM6	Fine	Calm	18:19	6.4	Surface	1.0	0.4	24	27.8	27.8	7.6	7.6	24.3	24.4	89.6	89.5	6.1	6.1	5.0	6.2	2	2	821068	805851			
						1.0	0.5	25	27.8	27.8	7.6	7.6	24.4	24.4	89.4	89.4	6.1	6.1	5.0	6.2	2						
					Middle	3.2	0.4	25	27.7	27.7	7.6	7.5	24.8	24.8	87.9	87.4	6.0	6.0	6.1	6.2	2				2		
						3.2	0.5	25	27.7	27.7	7.5	7.5	24.9	24.9	86.9	86.9	6.0	6.0	6.2	6.2	2				2		
					Bottom	5.4	0.4	26	27.8	27.8	7.5	7.5	25.5	25.5	77.8	77.6	5.3	5.3	7.5	7.5	2				3		
						5.4	0.5	26	27.8	27.8	7.5	7.5	25.5	25.5	77.4	77.4	5.3	5.3	7.5	7.5	3				3		
IM7	Fine	Calm	18:11	7.0	Surface	1.0	0.4	27	28.0	28.0	7.6	7.5	22.9	22.9	90.4	90.3	6.2	6.0	4.1	5.4	2	3	821352	806813			
						1.0	0.5	27	28.0	28.0	7.5	7.5	22.9	22.9	90.2	90.2	6.2	6.0	4.0	5.4	3						
					Middle	3.5	0.3	26	27.4	27.4	7.5	7.5	24.9	24.9	82.2	82.1	5.7	5.7	5.1	5.2	2				3		
						3.5	0.4	28	27.3	27.3	7.5	7.5	24.9	24.9	81.9	81.9	5.7	5.7	5.2	5.2	3				3		
					Bottom	6.0	0.3	29	27.6	27.6	7.6	7.6	27.1	27.1	69.8	69.8	4.7	4.8	6.8	6.8	3				3		
						6.0	0.3	31	27.7	27.7	7.6	7.6	27.1	27.1	70.5	70.5	4.8	4.8	6.9	6.9	4				4		
IM8	Rainy	Moderate	18:30	7.4	Surface	1.0	0.3	259	28.5	28.5	7.9	7.9	19.0	19.0	87.8	87.7	6.1	5.9	2.4	4.9	3	5	821821	808154			
						1.0	0.3	261	28.5	28.5	7.9	7.9	19.1	19.1	87.5	87.5	6.1	5.9	2.4	4.9	4						
					Middle	3.7	0.1	211	27.9	27.9	7.9	7.9	23.8	23.8	81.6	81.5	5.6	5.6	4.8	4.8	5				5		
						3.7	0.1	226	27.8	27.8	7.9	7.9	23.9	23.9	81.4	81.4	5.6	5.6	5.1	5.1	5				5		
					Bottom	6.4	0.2	264	27.7	27.7	7.9	7.9	25.8	25.9	78.6	78.6	5.4	5.4	7.4	7.4	6				6		
						6.4	0.2	274	27.7	27.7	7.9	7.9	25.9	25.9	78.5	78.5	5.3	5.3	7.7	7.7	4				4		

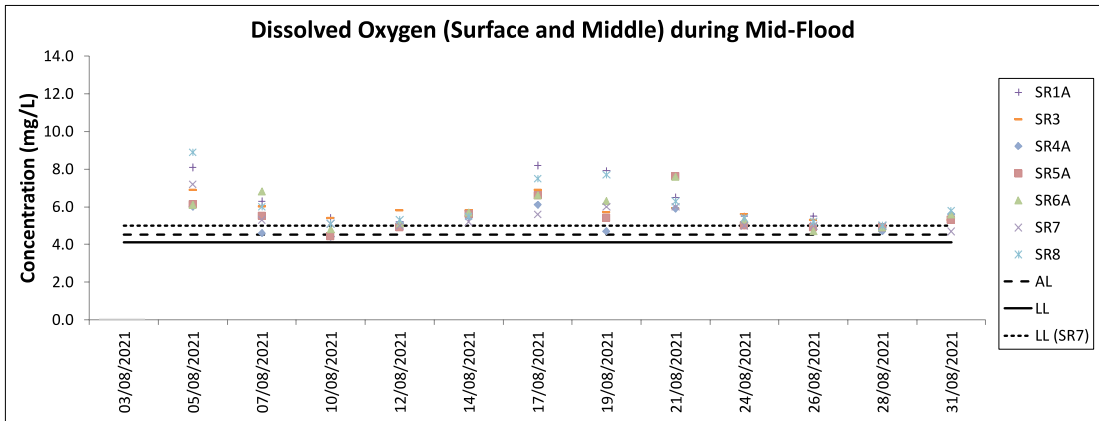
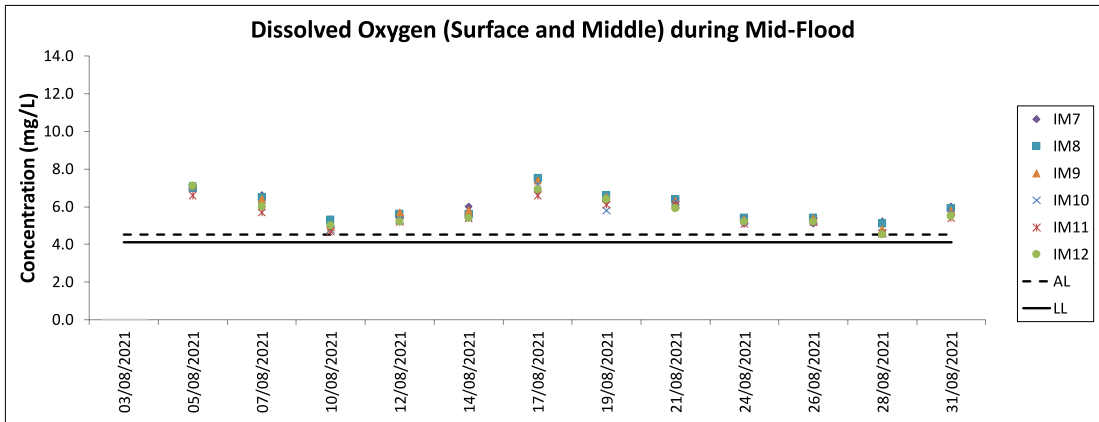
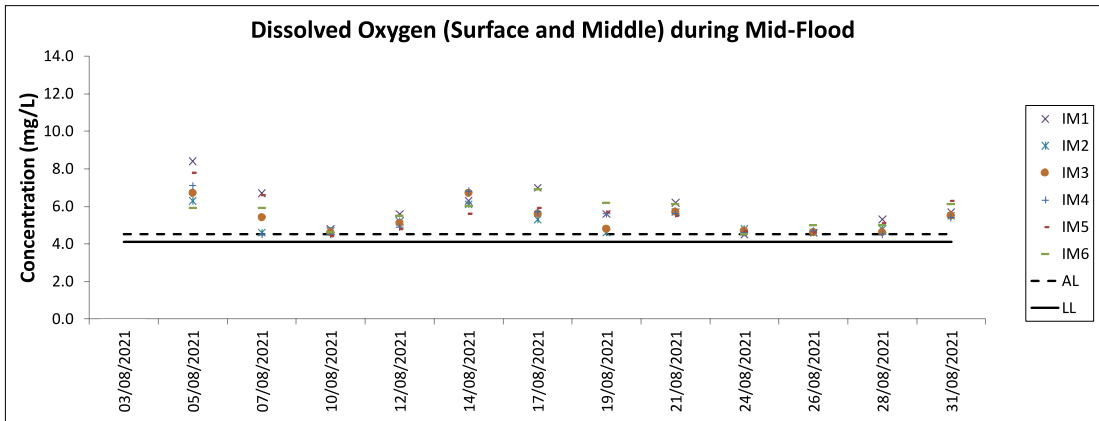
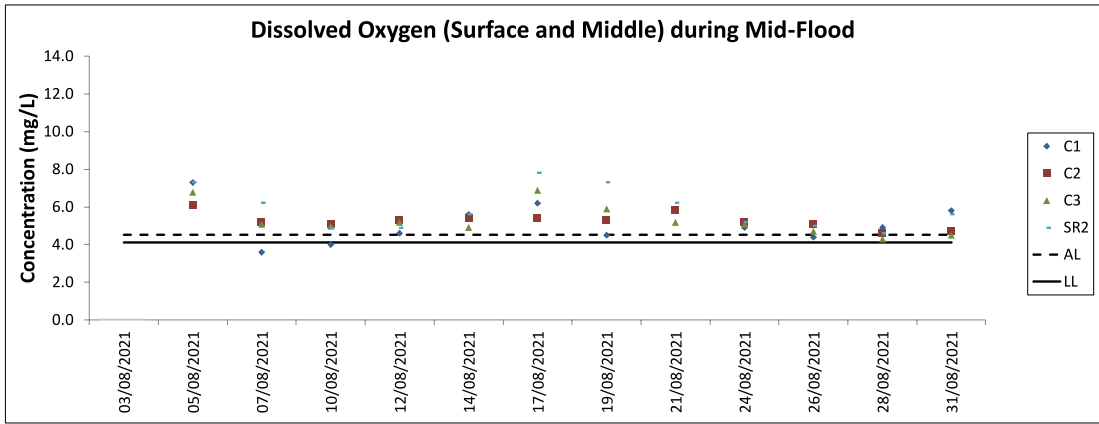
**Expansion of Hong Kong International Airport into a Three-Runway System  
Water Quality Monitoring**

**Water Quality Monitoring Results on 31 August 21 during Mid-Flood Tide**

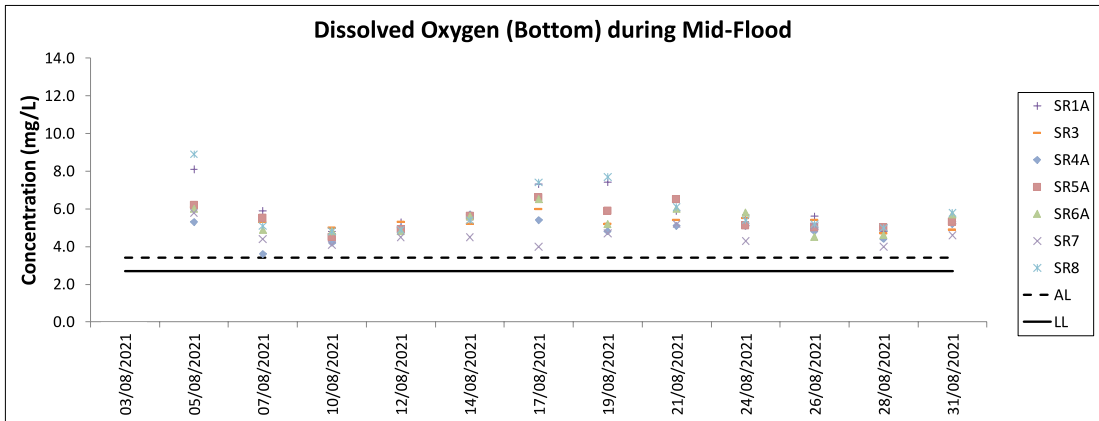
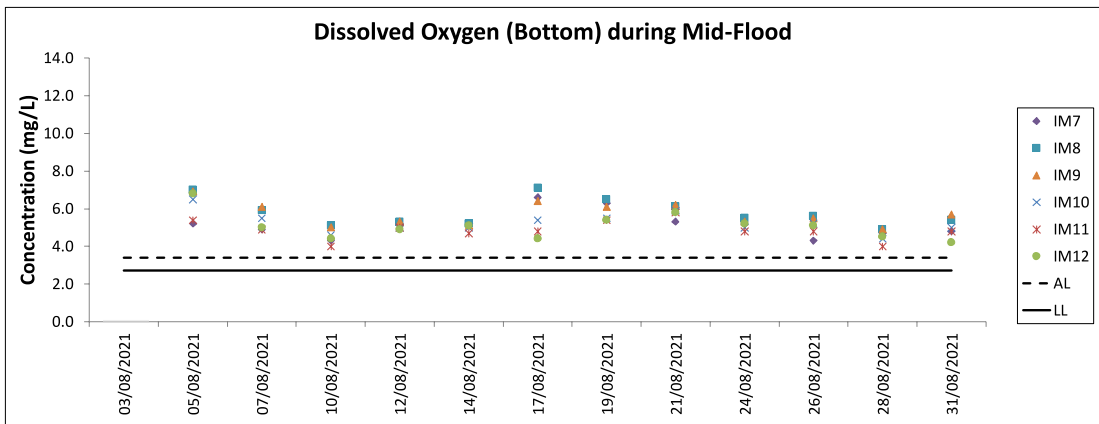
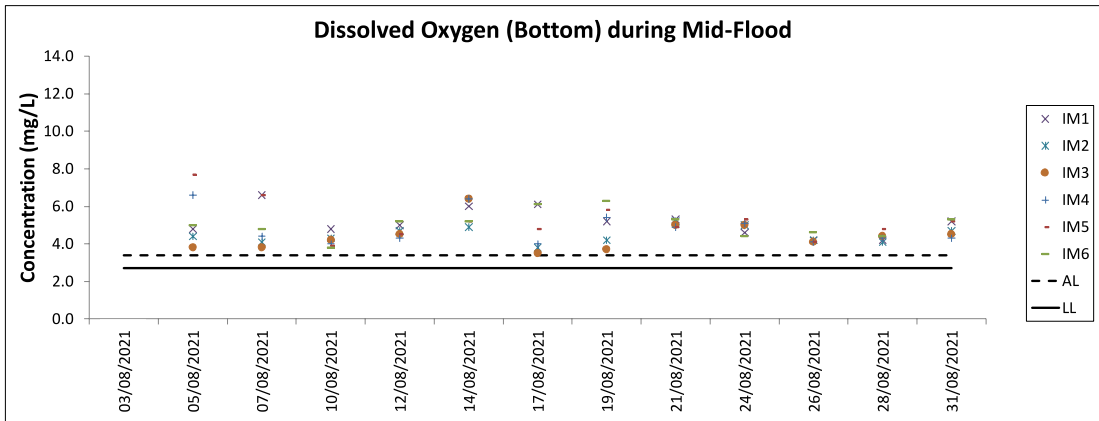
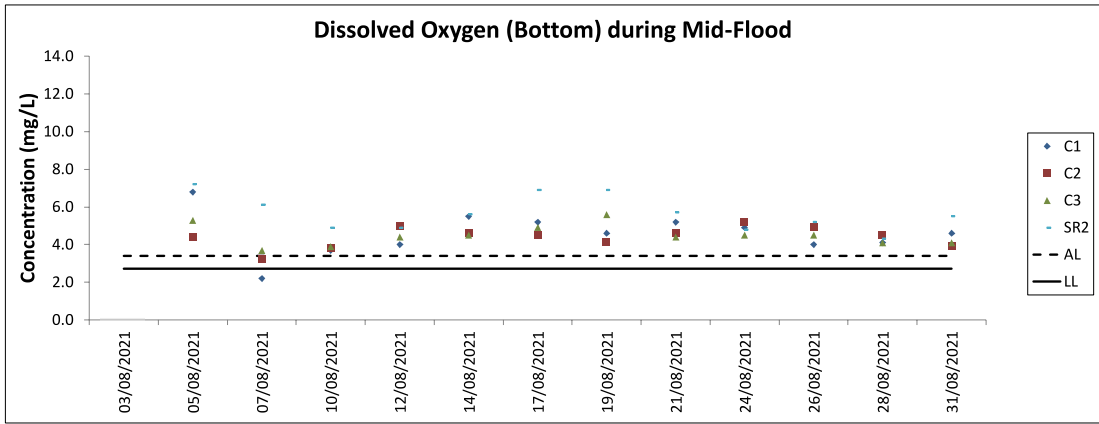
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Rainy	Moderate	18:37	6.7	Surface	1.0	0.4	261	28.1	28.1	7.9	7.9	23.0	23.1	84.7	84.7	5.8	5.8	2.7	4	4	822106	808809	
						1.0	0.5	278	28.1	7.9	7.9	23.1	23.1	84.7	84.7	5.8	5.8	2.8	4					
						3.4	0.3	202	28.0	7.9	7.9	23.8	23.8	83.8	83.7	5.7	5.7	3.3	4					
					Middle	3.4	0.3	218	28.0	7.9	7.9	23.8	23.8	83.5	83.5	5.7	5.7	3.6	3					
						5.7	0.2	202	27.9	7.9	7.9	24.3	24.3	83.4	83.5	5.7	5.7	4.3	3					
						5.7	0.2	214	27.9	7.9	7.9	24.3	24.3	83.6	83.6	5.7	5.7	4.3	4					
IM10	Rainy	Moderate	18:45	7.4	Surface	1.0	0.5	264	28.3	28.3	7.9	7.9	20.3	20.3	86.1	86.0	6.0	6.0	2.4	4	3	822397	809805	
						1.0	0.5	276	28.2	7.9	7.9	20.4	20.4	85.9	86.0	6.0	6.0	2.4	4					
						3.7	0.5	245	27.8	7.9	7.9	25.3	25.4	79.2	79.2	5.4	5.4	3.1	3					
					Middle	3.7	0.5	265	27.7	7.9	7.9	25.5	25.5	79.2	79.2	5.4	5.4	3.2	2					
						6.4	0.3	232	27.4	7.9	7.9	26.7	26.7	73.0	73.2	5.0	5.0	7.2	2					
						6.4	0.3	254	27.4	7.9	7.9	26.7	26.7	73.3	73.3	5.0	5.0	7.2	3					
IM11	Rainy	Moderate	18:54	6.9	Surface	1.0	0.3	253	27.9	27.9	7.9	7.9	25.1	25.2	81.6	80.0	5.6	5.6	2.4	3	2	822045	811457	
						1.0	0.3	275	27.8	7.9	7.9	25.3	25.3	78.3	78.3	5.3	5.3	2.4	2					
						3.5	0.3	256	27.6	7.8	7.8	26.1	26.2	77.0	76.9	5.3	5.3	3.3	2					
					Middle	3.5	0.3	258	27.5	7.8	7.8	26.2	26.2	76.8	76.8	5.2	5.2	3.6	2					
						5.9	0.1	229	27.2	7.9	7.9	27.3	27.3	69.7	69.8	4.8	4.8	5.4	2					
						5.9	0.1	230	27.2	7.9	7.9	27.3	27.3	69.9	69.9	4.8	4.8	5.5	2					
IM12	Rainy	Moderate	19:00	8.5	Surface	1.0	0.4	228	28.0	28.0	7.9	7.9	24.6	24.7	83.2	83.2	5.7	5.7	2.3	3	3	821472	812050	
						1.0	0.4	247	28.0	7.9	7.9	24.7	24.7	83.1	83.1	5.7	5.7	2.4	4					
						4.3	0.4	241	27.5	7.9	7.9	25.9	25.9	75.6	75.5	5.2	5.2	2.9	3					
					Middle	4.3	0.4	255	27.5	7.9	7.9	25.9	25.9	75.3	75.3	5.2	5.2	2.9	4					
						7.5	0.4	231	26.8	7.8	7.8	28.2	28.3	61.3	61.3	4.2	4.2	7.9	3					
						7.5	0.4	231	26.8	7.8	7.8	28.4	28.4	61.2	61.2	4.2	4.2	8.3	3					
SR1A	Rainy	Moderate	19:28	4.5	Surface	1.0	-	-	27.5	27.5	7.9	7.9	26.3	26.4	80.1	79.9	5.5	5.5	4.1	3	3	819973	812659	
						1.0	-	-	27.5	27.5	7.9	7.9	26.4	26.4	79.7	79.7	5.4	5.4	4.3	4				
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						3.5	-	-	27.5	27.5	7.9	7.9	26.7	26.7	77.0	77.8	5.2	5.2	5.7	3				
						3.5	-	-	27.5	27.5	7.9	7.9	26.7	26.7	78.5	78.5	5.3	5.3	5.7	2				
SR2	Rainy	Moderate	19:42	4.0	Surface	1.0	0.2	234	27.8	27.8	7.9	7.9	25.5	25.5	81.8	81.7	5.6	5.6	2.6	2	3	821465	814156	
						1.0	0.2	253	27.8	7.9	7.9	25.6	25.6	81.5	81.5	5.6	5.6	2.7	3					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						3.0	0.2	141	27.6	7.9	7.9	25.9	25.9	81.1	81.2	5.5	5.5	3.1	3					
						3.0	0.2	147	27.7	7.9	7.9	25.9	25.9	81.3	81.3	5.5	5.5	3.2	3					
SR3	Rainy	Moderate	18:24	8.1	Surface	1.0	0.5	19	28.1	28.1	7.9	7.9	22.5	22.5	81.4	81.4	5.6	5.6	2.3	4	4	822125	807578	
						1.0	0.6	19	28.1	7.9	7.9	22.5	22.5	81.3	81.3	5.6	5.6	2.3	4					
						4.1	0.2	28	27.3	7.9	7.9	26.8	26.8	71.6	71.5	4.9	4.9	3.3	4					
					Middle	4.1	0.2	28	27.3	7.9	7.9	26.8	26.8	71.4	71.4	4.9	4.9	3.7	4					
						7.1	0.2	227	27.2	7.9	7.9	27.1	27.1	71.3	71.4	4.9	4.9	6.4	3					
						7.1	0.2	249	27.2	7.9	7.9	27.1	27.1	71.5	71.5	4.9	4.9	6.9	3					
SR4A	Fine	Calm	19:34	7.2	Surface	1.0	0.3	267	27.5	27.5	7.6	7.6	26.3	26.4	85.1	85.0	5.8	5.8	5.1	4	5	817193	807795	
						1.0	0.3	276	27.4	7.6	7.6	26.4	26.4	84.8	84.8	5.8	5.8	5.1	4					
						3.6	0.3	258	27.3	7.5	7.5	26.5	26.6	78.3	78.2	5.4	5.4	6.8	4					
					Middle	3.6	0.3	271	27.3	7.5	7.5	26.6	26.6	78.1	78.1	5.3	5.3	6.8	5					
						6.2	0.2	268	27.1	7.5	7.5	27.2	27.2	74.5	75.0	5.1	5.1	7.4	7					
						6.2	0.2	286	27.1	7.5	7.5	27.2	27.2	75.4	75.4	5.2	5.2	7.5	6					
SR5A	Fine	Calm	19:52	4.0	Surface	1.0	0.0	229	27.9	28.0	7.5	7.5	26.6	26.6	77.9	77.9	5.3	5.3	4.8	5	5	816594	810678	
						1.0	0.0	247	28.0	7.5	7.5	26.6	26.6	77.9	77.9	5.3	5.3	4.8	6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.0	0.1	160	28.3	7.5	7.5	26.5	26.5	78.9	79.2	5.3	5.3	5.8	5					
						3.0	0.1	175	28.4	7.5	7.5	26.4	26.5	79.5	79.5	5.3	5.3	5.7	4					
SR6A	Fine	Calm	20:15	3.8	Surface	1.0	0.0	228	28.0	28.1	7.5	7.5	26.5	26.5	83.2	83.3	5.6	5.6	5.5	8	8	817953	814748	
						1.0	0.0	250	28.1	7.5	7.5	26.4	26.5	83.3	83.3	5.6	5.6	5.5	7					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.8	0.1	89	28.2	7.5	7.5	26.3	26.3	83.9	84.4	5.7	5.7	6.3	7					
						2.8	0.1	96	28.3	7.5	7.5	26.3	26.3	84.9	84.9	5.7	5.7	6.3	8					
SR7	Rainy	Moderate	20:33	16.5	Surface	1.0	0.1	203	27.1	27.1	7.9	7.9	28.2	28.3	73.1	72.8	5.0	5.0	2.3	4	3	823615	823756	
						1.0	0.1	213	27.0	7.9	7.9	28.3	28.3	72.5	72.5	4.9	4.9	2.4	3					
						8.3	0.1	189	26.4	7.9	7.9	29.8	30.0	64.9	64.8	4.4	4.4	2.9	3					
					Middle	8.3	0.1	206	26.3	7.9	7.9	30.1	30.1	64.7	64.7	4.4	4.4	2.9	2					
						15.5	0.1	207	25.3	7.8	7.8	31.3	31.3	65.6	66.4	4.5	4.5	3.0	2					
						15.5	0.1	222	25.3	7.9	7.9	31.2	31.2	67.2	67.2	4.6	4.6	2.9	2					
SR8	Rainy	Moderate	19:09	3.8	Surface	1.0	-	-	28.2	28.3	7.9	7.9	25.5	25.5	85.5	85.6	5.8	5.8	8.2	2	3	820410	811633	
						1.0	-	-	28.3	28.3	7.9	7.9	25.5	25.5	85.6	85.6	5.8	5.8	8.3	2				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.8	-	-	28.3	28.3	7.9	7.9	25.7	25.7	86.1	86.2	5.8	5.8	8.8	4				
						2.8	-	-	28.3	28.3	7.9	7.9	25.7	25.7	86.3	86.3	5.8	5.8	9.0	3				

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

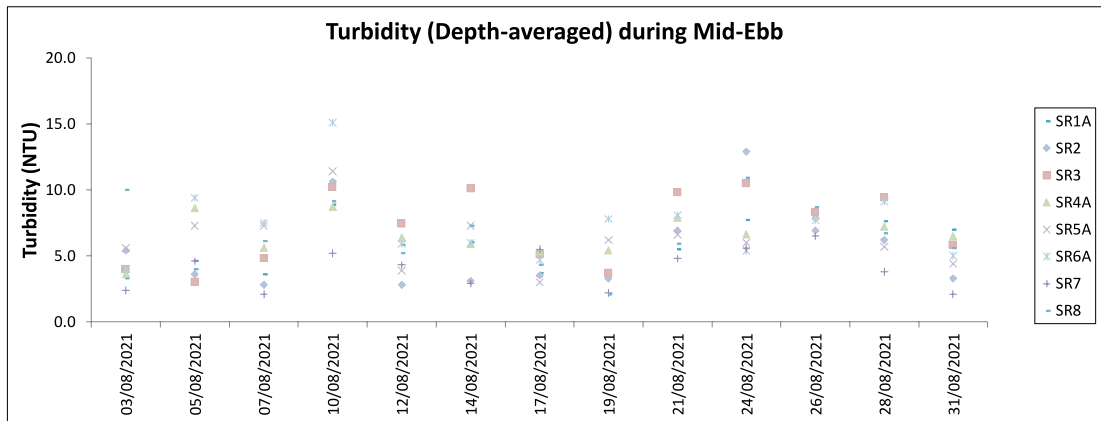
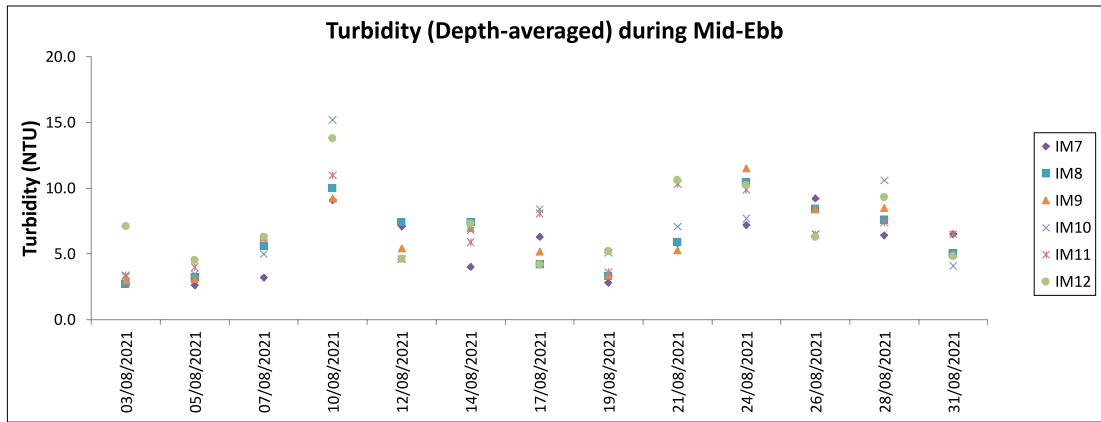
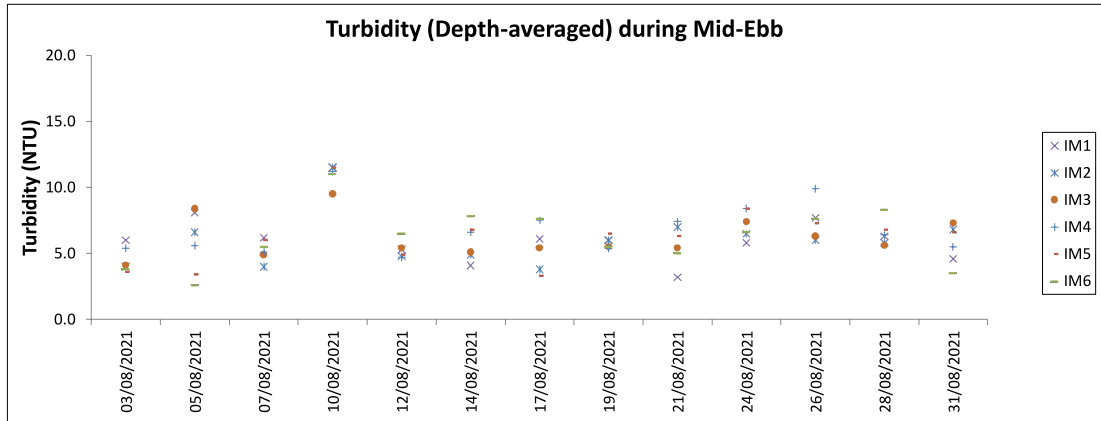
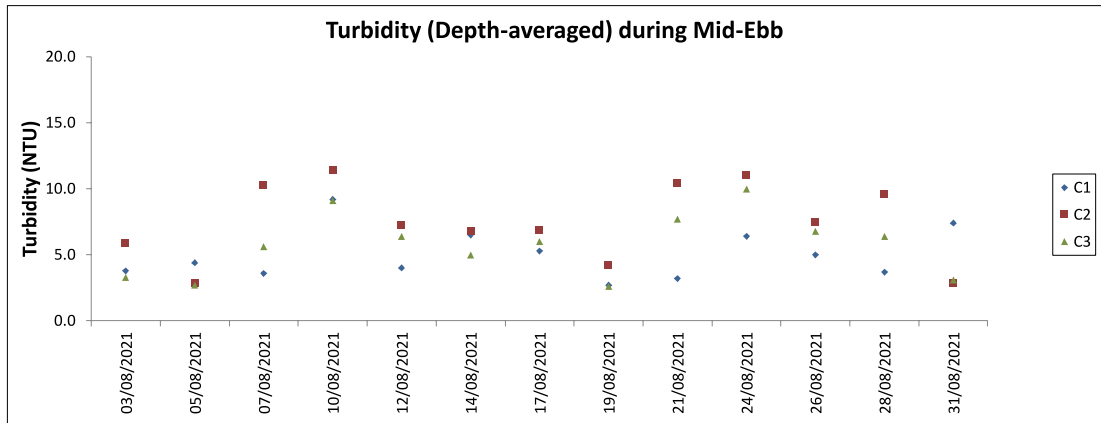




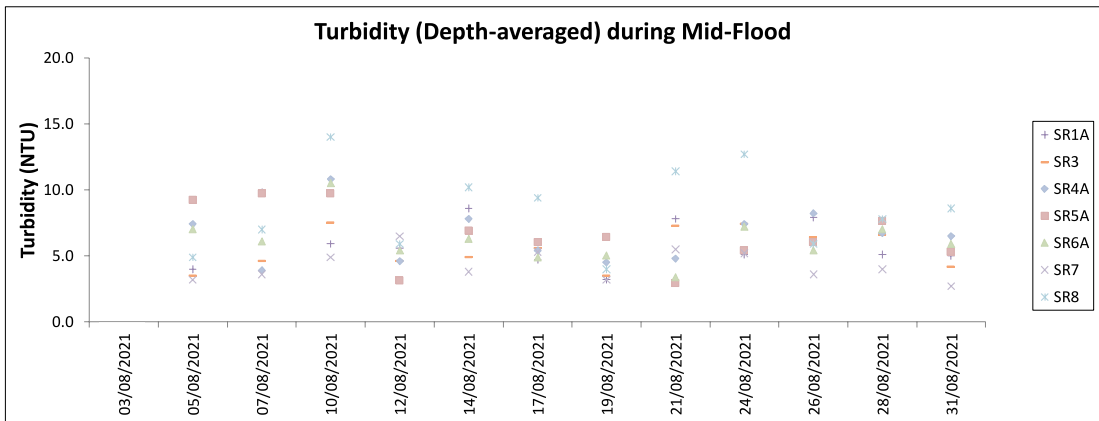
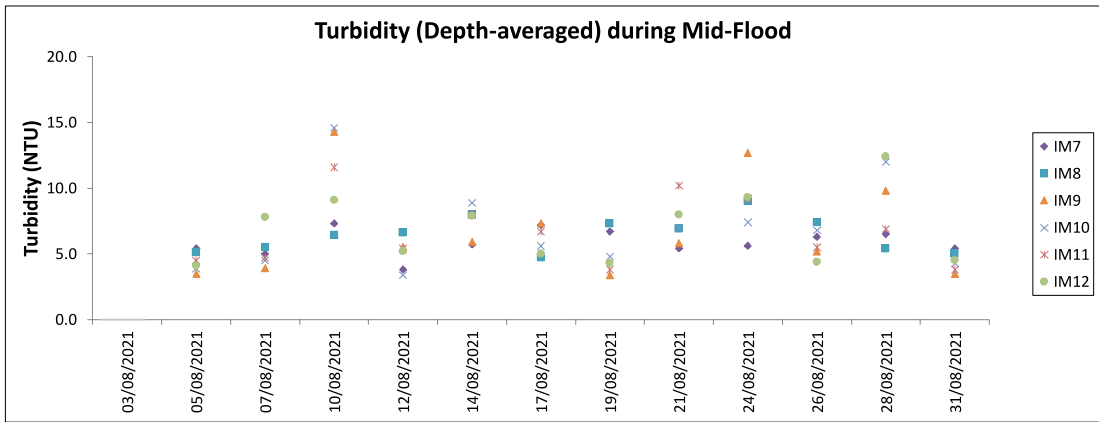
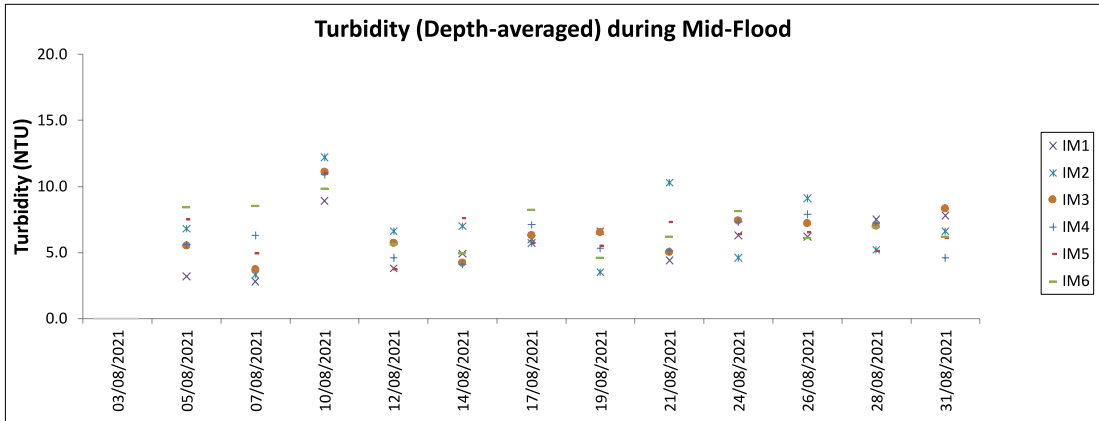
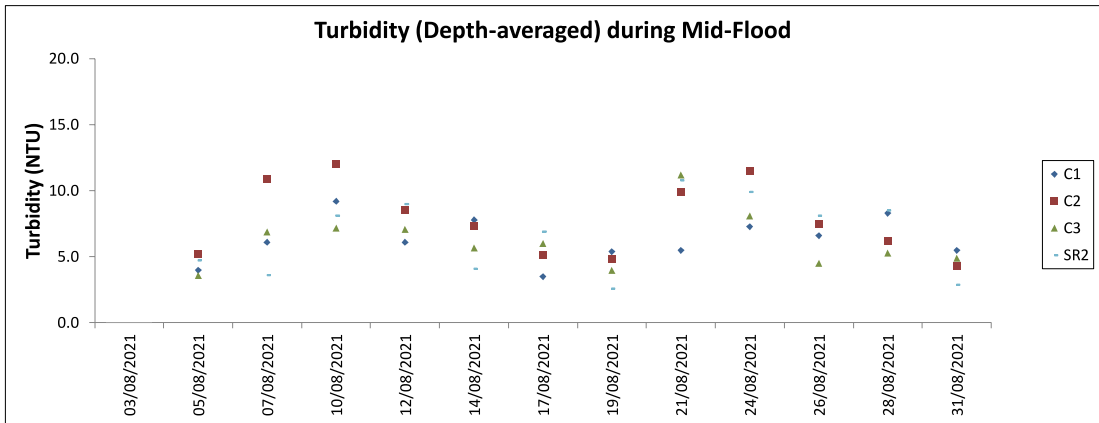




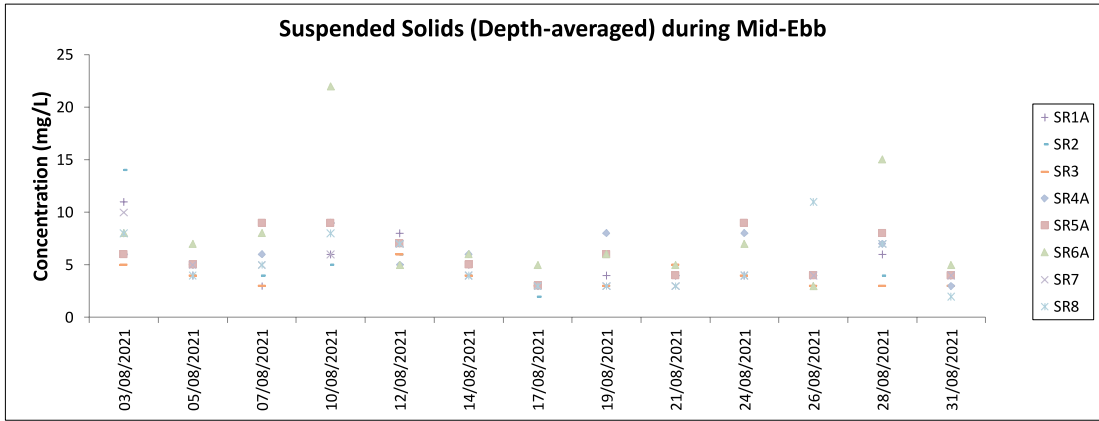
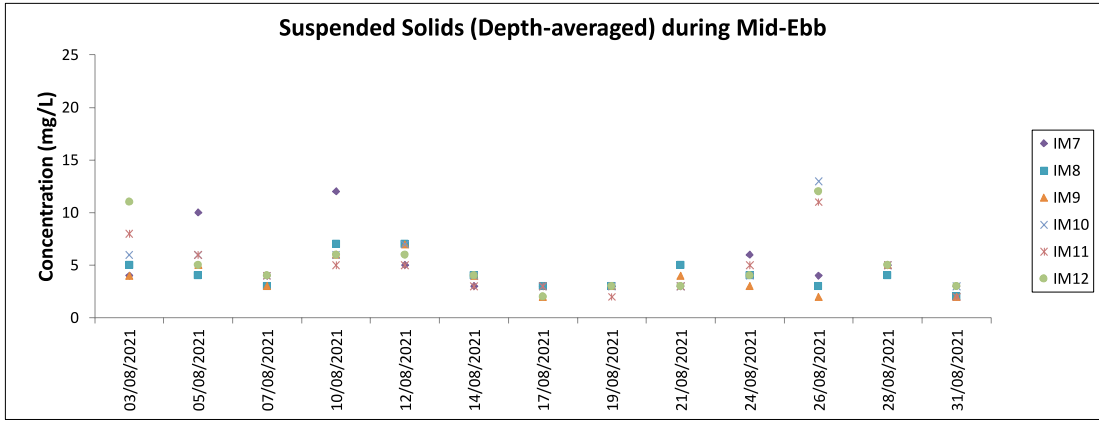
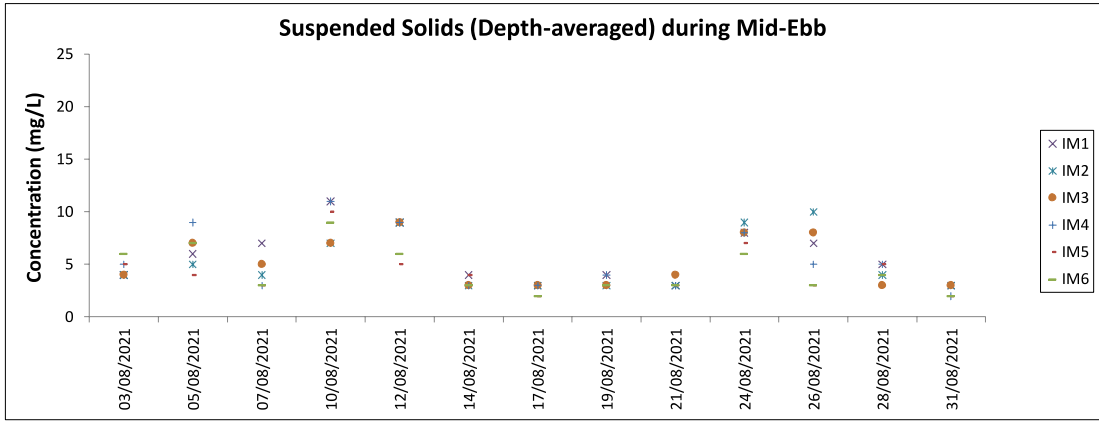
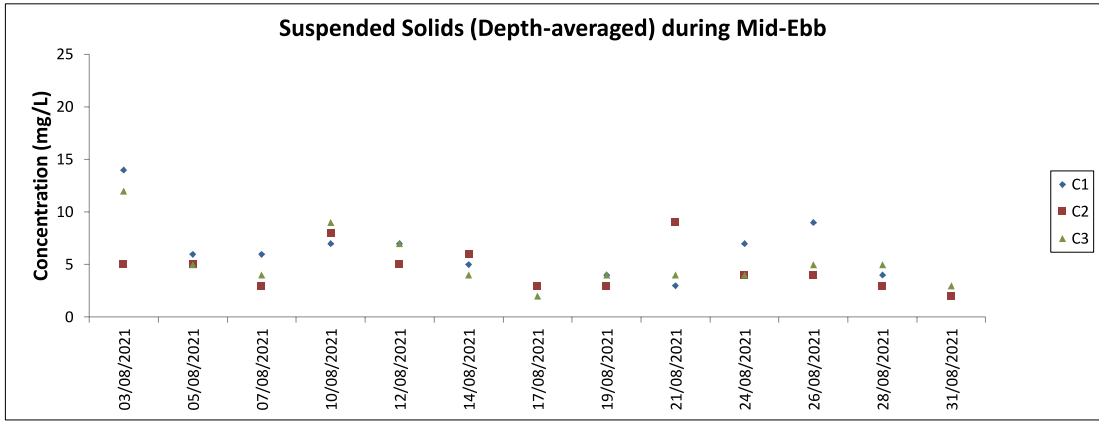




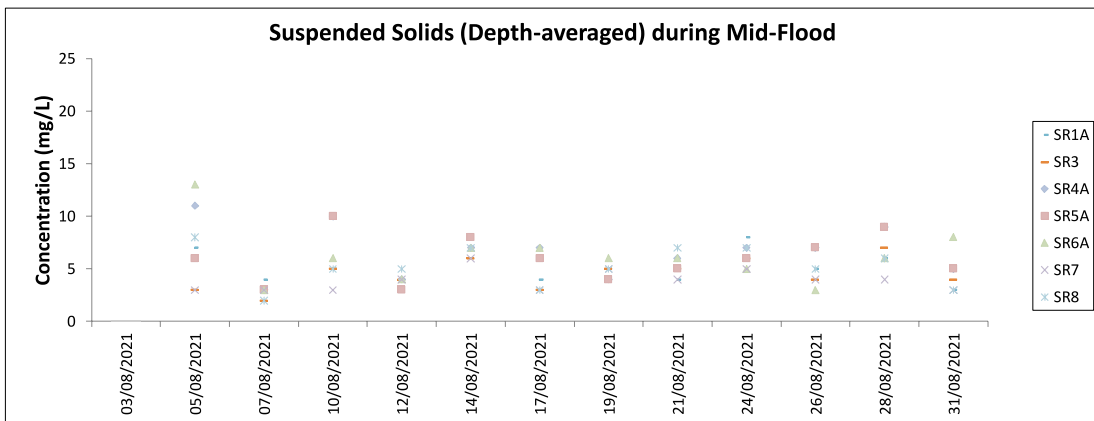
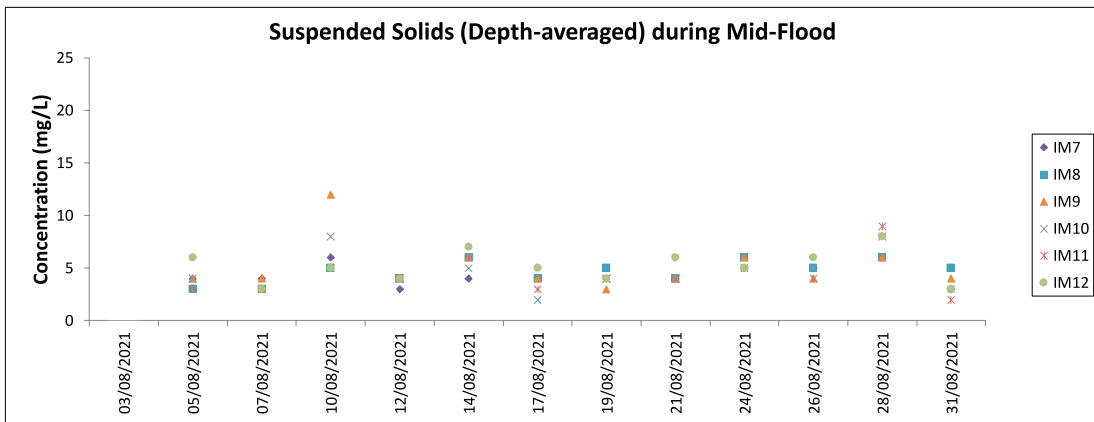
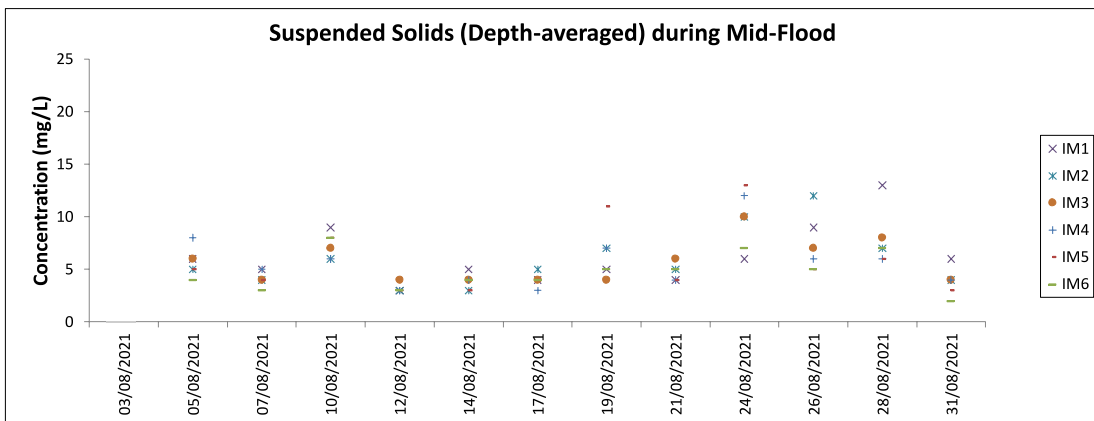
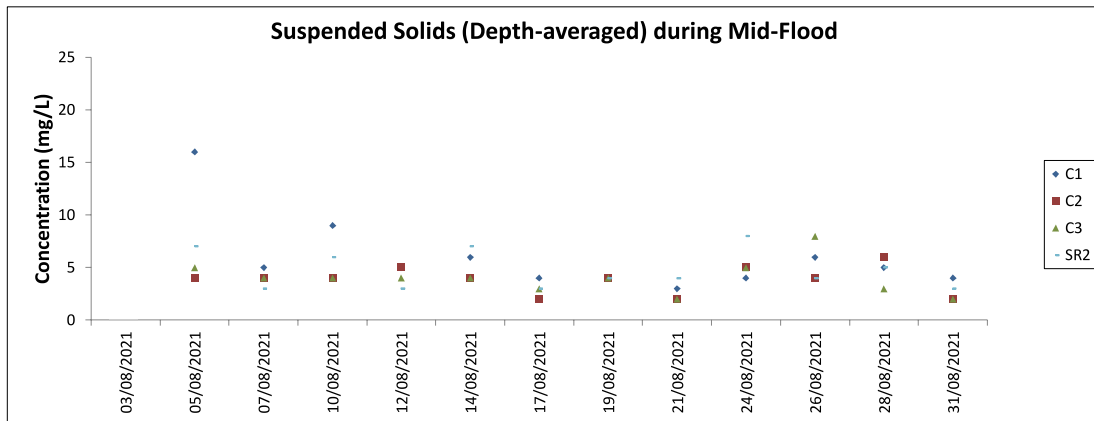
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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.

## **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-Jun-21	NEL	2	15.070	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	3	17.100	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	4	5.200	SUMMER	32166	3RS ET	P
4-Jun-21	NEL	2	4.230	SUMMER	32166	3RS ET	S
4-Jun-21	NEL	3	5.800	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	3	15.180	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	4	32.070	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	5	6.500	SUMMER	32166	3RS ET	P
7-Jun-21	SWL	2	0.800	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	3	0.600	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	4	6.250	SUMMER	32166	3RS ET	S
7-Jun-21	SWL	5	2.800	SUMMER	32166	3RS ET	S
8-Jun-21	AW	2	4.950	SUMMER	32166	3RS ET	P
8-Jun-21	WL	2	8.959	SUMMER	32166	3RS ET	P
8-Jun-21	WL	3	8.488	SUMMER	32166	3RS ET	P
8-Jun-21	WL	2	4.800	SUMMER	32166	3RS ET	S
8-Jun-21	WL	3	4.462	SUMMER	32166	3RS ET	S
15-Jun-21	WL	2	0.910	SUMMER	32166	3RS ET	P
15-Jun-21	WL	3	15.750	SUMMER	32166	3RS ET	P
15-Jun-21	WL	4	3.148	SUMMER	32166	3RS ET	P
15-Jun-21	WL	2	1.320	SUMMER	32166	3RS ET	S
15-Jun-21	WL	3	7.130	SUMMER	32166	3RS ET	S
15-Jun-21	WL	4	2.542	SUMMER	32166	3RS ET	S
15-Jun-21	AW	3	4.200	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	3	47.300	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	4	17.300	SUMMER	32166	3RS ET	P
17-Jun-21	NWL	3	8.900	SUMMER	32166	3RS ET	S
17-Jun-21	NWL	4	2.300	SUMMER	32166	3RS ET	S
21-Jun-21	NWL	3	19.300	SUMMER	32166	3RS ET	P
21-Jun-21	NWL	4	42.410	SUMMER	32166	3RS ET	P
21-Jun-21	NWL	3	9.200	SUMMER	32166	3RS ET	S
21-Jun-21	NWL	4	5.400	SUMMER	32166	3RS ET	S
22-Jun-21	NEL	2	22.400	SUMMER	32166	3RS ET	P
22-Jun-21	NEL	3	14.510	SUMMER	32166	3RS ET	P
22-Jun-21	NEL	2	4.100	SUMMER	32166	3RS ET	S
22-Jun-21	NEL	3	6.390	SUMMER	32166	3RS ET	S
25-Jun-21	SWL	2	22.860	SUMMER	32166	3RS ET	P
25-Jun-21	SWL	3	24.890	SUMMER	32166	3RS ET	P
25-Jun-21	SWL	2	11.130	SUMMER	32166	3RS ET	S
25-Jun-21	SWL	3	4.460	SUMMER	32166	3RS ET	S
12-Jul-21	SWL	2	25.750	SUMMER	32166	3RS ET	P
12-Jul-21	SWL	3	25.520	SUMMER	32166	3RS ET	P
12-Jul-21	SWL	2	8.900	SUMMER	32166	3RS ET	S
12-Jul-21	SWL	3	6.610	SUMMER	32166	3RS ET	S
13-Jul-21	SWL	1	1.050	SUMMER	32166	3RS ET	P
13-Jul-21	SWL	2	35.764	SUMMER	32166	3RS ET	P
13-Jul-21	SWL	3	14.402	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Jul-21	SWL	1	1.160	SUMMER	32166	3RS ET	S
13-Jul-21	SWL	2	9.900	SUMMER	32166	3RS ET	S
13-Jul-21	SWL	3	4.150	SUMMER	32166	3RS ET	S
14-Jul-21	AW	2	4.740	SUMMER	32166	3RS ET	P
14-Jul-21	WL	1	0.970	SUMMER	32166	3RS ET	P
14-Jul-21	WL	2	6.905	SUMMER	32166	3RS ET	P
14-Jul-21	WL	3	8.190	SUMMER	32166	3RS ET	P
14-Jul-21	WL	2	4.141	SUMMER	32166	3RS ET	S
14-Jul-21	WL	3	5.059	SUMMER	32166	3RS ET	S
19-Jul-21	NEL	3	31.750	SUMMER	32166	3RS ET	P
19-Jul-21	NEL	4	5.200	SUMMER	32166	3RS ET	P
19-Jul-21	NEL	3	8.950	SUMMER	32166	3RS ET	S
19-Jul-21	NEL	4	1.300	SUMMER	32166	3RS ET	S
21-Jul-21	NEL	2	5.200	SUMMER	32166	3RS ET	P
21-Jul-21	NEL	3	31.980	SUMMER	32166	3RS ET	P
21-Jul-21	NEL	2	4.000	SUMMER	32166	3RS ET	S
21-Jul-21	NEL	3	6.120	SUMMER	32166	3RS ET	S
22-Jul-21	AW	2	2.010	SUMMER	32166	3RS ET	P
22-Jul-21	AW	3	2.980	SUMMER	32166	3RS ET	P
22-Jul-21	WL	2	9.208	SUMMER	32166	3RS ET	P
22-Jul-21	WL	3	5.108	SUMMER	32166	3RS ET	P
22-Jul-21	WL	4	0.310	SUMMER	32166	3RS ET	P
22-Jul-21	WL	2	2.660	SUMMER	32166	3RS ET	S
22-Jul-21	WL	3	4.919	SUMMER	32166	3RS ET	S
22-Jul-21	WL	4	0.660	SUMMER	32166	3RS ET	S
26-Jul-21	NWL	2	62.210	SUMMER	32166	3RS ET	P
26-Jul-21	NWL	2	10.690	SUMMER	32166	3RS ET	S
28-Jul-21	NWL	2	34.380	SUMMER	32166	3RS ET	P
28-Jul-21	NWL	3	28.060	SUMMER	32166	3RS ET	P
28-Jul-21	NWL	4	0.600	SUMMER	32166	3RS ET	P
28-Jul-21	NWL	2	3.370	SUMMER	32166	3RS ET	S
28-Jul-21	NWL	3	7.420	SUMMER	32166	3RS ET	S
11-Aug-21	NWL	2	50.150	SUMMER	32166	3RS ET	P
11-Aug-21	NWL	3	10.620	SUMMER	32166	3RS ET	P
11-Aug-21	NWL	2	11.950	SUMMER	32166	3RS ET	S
16-Aug-21	SWL	2	38.120	SUMMER	32166	3RS ET	P
16-Aug-21	SWL	3	16.400	SUMMER	32166	3RS ET	P
16-Aug-21	SWL	2	12.480	SUMMER	32166	3RS ET	S
16-Aug-21	SWL	3	3.200	SUMMER	32166	3RS ET	S
18-Aug-21	AW	2	2.970	SUMMER	32166	3RS ET	P
18-Aug-21	AW	3	1.820	SUMMER	32166	3RS ET	P
18-Aug-21	WL	2	3.420	SUMMER	32166	3RS ET	P
18-Aug-21	WL	3	15.902	SUMMER	32166	3RS ET	P
18-Aug-21	WL	2	1.090	SUMMER	32166	3RS ET	S
18-Aug-21	WL	3	8.908	SUMMER	32166	3RS ET	S
19-Aug-21	NWL	2	35.700	SUMMER	32166	3RS ET	P
19-Aug-21	NWL	3	28.600	SUMMER	32166	3RS ET	P
19-Aug-21	NWL	2	9.900	SUMMER	32166	3RS ET	S
19-Aug-21	NWL	3	1.300	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
20-Aug-21	SWL	1	1.087	SUMMER	32166	3RS ET	P
20-Aug-21	SWL	2	48.720	SUMMER	32166	3RS ET	P
20-Aug-21	SWL	3	3.500	SUMMER	32166	3RS ET	P
20-Aug-21	SWL	1	14.483	SUMMER	32166	3RS ET	S
20-Aug-21	SWL	2	2.300	SUMMER	32166	3RS ET	S
24-Aug-21	AW	2	4.770	SUMMER	32166	3RS ET	P
24-Aug-21	WL	2	6.700	SUMMER	32166	3RS ET	P
24-Aug-21	WL	3	13.750	SUMMER	32166	3RS ET	P
24-Aug-21	WL	2	3.190	SUMMER	32166	3RS ET	S
24-Aug-21	WL	3	7.610	SUMMER	32166	3RS ET	S
25-Aug-21	NEL	2	27.950	SUMMER	32166	3RS ET	P
25-Aug-21	NEL	3	9.200	SUMMER	32166	3RS ET	P
25-Aug-21	NEL	2	6.650	SUMMER	32166	3RS ET	S
25-Aug-21	NEL	3	3.400	SUMMER	32166	3RS ET	S
26-Aug-21	NEL	2	26.405	SUMMER	32166	3RS ET	P
26-Aug-21	NEL	3	10.375	SUMMER	32166	3RS ET	P
26-Aug-21	NEL	2	7.360	SUMMER	32166	3RS ET	S
26-Aug-21	NEL	3	3.160	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only.



## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
8-Jun-21	1	1046	CWD	5	WL	2	216	ON	3RS ET	22.2501	113.8418	SUMMER	NONE	P
8-Jun-21	2	1109	CWD	4	WL	2	770	ON	3RS ET	22.2412	113.8427	SUMMER	NONE	P
8-Jun-21	3	1151	CWD	3	WL	3	38	ON	3RS ET	22.2242	113.8198	SUMMER	NONE	S
8-Jun-21	4	1246	CWD	1	WL	3	23	ON	3RS ET	22.1955	113.8333	SUMMER	NONE	P
15-Jun-21	1	1044	CWD	4	WL	3	198	ON	3RS ET	22.2611	113.8514	SUMMER	NONE	P
25-Jun-21	1	1119	CWD	1	SWL	2	45	ON	3RS ET	22.1829	113.9277	SUMMER	NONE	P
25-Jun-21	2	1413	CWD	1	SWL	2	1006	ON	3RS ET	22.1976	113.8787	SUMMER	NONE	P
25-Jun-21	3	1429	CWD	5	SWL	3	202	ON	3RS ET	22.1832	113.8785	SUMMER	NONE	P
25-Jun-21	4	1523	CWD	2	SWL	3	816	ON	3RS ET	22.1938	113.8591	SUMMER	NONE	P
12-Jul-21	1	1225	CWD	1	SWL	3	70	ON	3RS ET	22.1605	113.8981	SUMMER	NONE	S
12-Jul-21	2	1314	CWD	1	SWL	3	1	ON	3RS ET	22.1962	113.8975	SUMMER	NONE	P
12-Jul-21	3	1426	CWD	2	SWL	2	531	ON	3RS ET	22.1933	113.8785	SUMMER	NONE	P
12-Jul-21	4	1507	CWD	5	SWL	3	41	ON	3RS ET	22.1860	113.8690	SUMMER	NONE	P
12-Jul-21	5	1540	CWD	3	SWL	2	63	ON	3RS ET	22.1944	113.8590	SUMMER	NONE	P
12-Jul-21	6	1610	CWD	4	SWL	3	573	ON	3RS ET	22.1894	113.8497	SUMMER	NONE	P
13-Jul-21	1	1357	CWD	3	SWL	2	379	ON	3RS ET	22.2073	113.8789	SUMMER	PURSE SEINER	S
13-Jul-21	2	1413	CWD	2	SWL	2	15	ON	3RS ET	22.2061	113.8780	SUMMER	NONE	P
13-Jul-21	3	1538	CWD	7	SWL	3	14	ON	3RS ET	22.1906	113.8495	SUMMER	PURSE SEINER	P
14-Jul-21	1	1036	CWD	1	WL	2	127	ON	3RS ET	22.2621	113.8558	SUMMER	NONE	S
14-Jul-21	2	1044	CWD	2	WL	1	343	ON	3RS ET	22.2616	113.8506	SUMMER	NONE	P
14-Jul-21	3	1055	CWD	5	WL	2	44	ON	3RS ET	22.2608	113.8475	SUMMER	NONE	P
14-Jul-21	4	1109	CWD	3	WL	2	779	ON	3RS ET	22.2546	113.8355	SUMMER	NONE	S
14-Jul-21	5	1147	CWD	4	WL	3	325	ON	3RS ET	22.2399	113.8277	SUMMER	NONE	S
14-Jul-21	6	1214	CWD	2	WL	3	17	ON	3RS ET	22.2300	113.8381	SUMMER	NONE	S
14-Jul-21	7	1240	CWD	3	WL	3	466	ON	3RS ET	22.2143	113.8223	SUMMER	NONE	P
22-Jul-21	1	1037	CWD	8	WL	2	453	ON	3RS ET	22.2644	113.8574	SUMMER	PURSE SEINER	S
22-Jul-21	2	1117	CWD	7	WL	3	411	ON	3RS ET	22.2499	113.8377	SUMMER	NONE	P
22-Jul-21	3	1147	CWD	2	WL	2	358	ON	3RS ET	22.2419	113.8391	SUMMER	NONE	P
22-Jul-21	4	1202	CWD	3	WL	3	32	ON	3RS ET	22.2326	113.8240	SUMMER	NONE	S
22-Jul-21	5	1211	CWD	2	WL	3	221	ON	3RS ET	22.2316	113.8299	SUMMER	NONE	P
22-Jul-21	6	1234	CWD	6	WL	3	22	ON	3RS ET	22.2141	113.8254	SUMMER	NONE	P
22-Jul-21	7	1314	CWD	3	WL	4	20	ON	3RS ET	22.2010	113.8252	SUMMER	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
22-Jul-21	8	1323	CWD	1	WL	3	170	ON	3RS ET	22.1963	113.8363	SUMMER	NONE	P
22-Jul-21	9	1336	CWD	4	WL	2	115	ON	3RS ET	22.1930	113.8426	SUMMER	PURSE SEINER	S
26-Jul-21	1	1204	CWD	1	NWL	2	567	ON	3RS ET	22.3826	113.8878	SUMMER	NONE	P
26-Jul-21	2	1309	CWD	4	NWL	2	490	ON	3RS ET	22.3885	113.8978	SUMMER	NONE	P
28-Jul-21	1	1035	CWD	1	NWL	2	32	ON	3RS ET	22.2820	113.8694	SUMMER	NONE	P
28-Jul-21	2	1105	CWD	2	NWL	2	302	ON	3RS ET	22.2920	113.8774	SUMMER	NONE	P
28-Jul-21	3	1305	CWD	1	NWL	2	63	ON	3RS ET	22.3522	113.8980	SUMMER	NONE	P
11-Aug-21	1	0948	CWD	3	NWL	3	29	ON	3RS ET	22.39316	113.87011	SUMMER	NONE	P
11-Aug-21	2	1226	CWD	4	NWL	2	415	ON	3RS ET	22.38048	113.88752	SUMMER	NONE	P
11-Aug-21	3	1328	CWD	1	NWL	2	27	ON	3RS ET	22.38116	113.89752	SUMMER	NONE	P
16-Aug-21	1	1109	FP	1	SWL	2	145	ON	3RS ET	22.16096	113.92744	SUMMER	NONE	P
18-Aug-21	1	1110	CWD	1	WL	3	75	ON	3RS ET	22.24156	113.84087	SUMMER	NONE	P
18-Aug-21	2	1221	CWD	6	WL	3	177	ON	3RS ET	22.19608	113.84060	SUMMER	PURSE SEINER	P
20-Aug-21	1	1048	FP	1	SWL	1	22	ON	3RS ET	22.15401	113.93612	SUMMER	NONE	P
20-Aug-21	2	1102	FP	1	SWL	2	352	ON	3RS ET	22.15871	113.92758	SUMMER	NONE	P
24-Aug-21	1	1148	CWD	4	WL	2	598	ON	3RS ET	22.20577	113.83268	SUMMER	NONE	P

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

Notes:

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

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

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

A total of 453.140 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 6 on-effort sightings and total number of 19 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2021 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in August 2021

$$STG = \frac{6}{453.140} \times 100 = 1.32$$

Encounter Rate by Number of Dolphins (ANI) in August 2021

$$ANI = \frac{19}{453.140} \times 100 = 4.19$$

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

A total of 1192.555 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 135 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

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









$$STG = \frac{44}{1192.555} \times 100 = 3.69$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)








$$ANI = \frac{135}{1192.555} \times 100 = 11.32$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM009_20210811_1_10	NLMM015_20210811_1_1_Upper
	
WLMM164_20210811_1_4	NLMM009_20210811_2_3
	
NLMM015_20210811_2_2	WLMM164_20210811_2_3
	
NLMM013_20210811_3_1	NLMM015_20210818_2_3



	
NLMM020_20210818_2_4	NLMM063_20210818_2_2
	
WLMM079_20210818_2_5	WLMM164_20210818_2_1
	
SLMM003_20210824_1_4	SLMM012_20210824_1_1
	
SLMM037_20210824_1_1	

**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>
13/Aug/21	Sha Chau	11:05	17:05	6:00	2-3	1-2	0	0
23/Aug/21	Lung Kwu Chau	09:11	14:11	6:00	1-2	1	0	0

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