

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

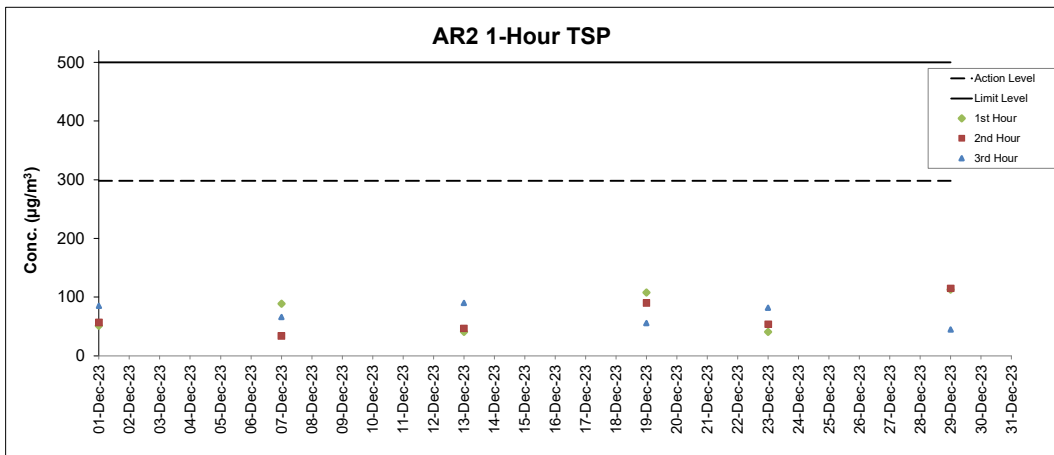
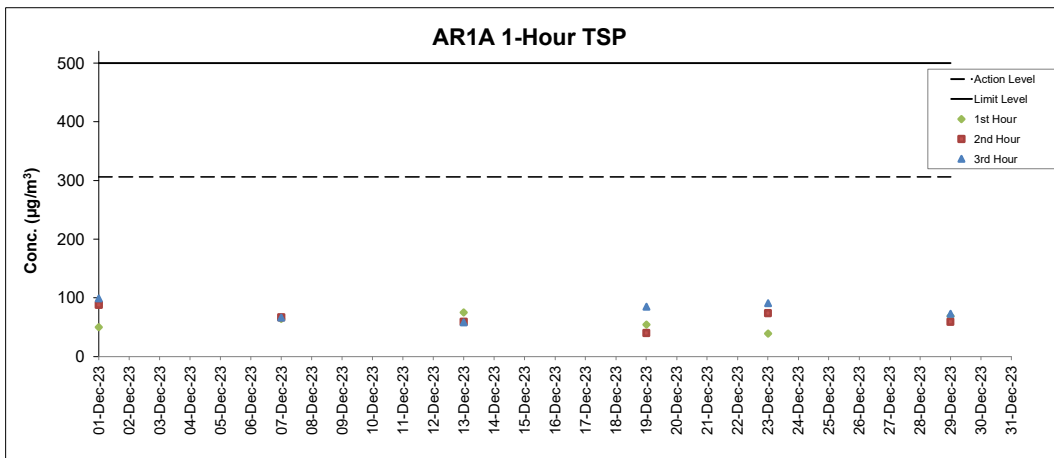
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
1-Dec-23	8:53	Sunny	3.3	61	50	306	500
1-Dec-23	9:53	Sunny	4.7	45	88	306	500
1-Dec-23	10:53	Sunny	4.2	52	99	306	500
7-Dec-23	8:07	Sunny	1.4	Variable	64	306	500
7-Dec-23	9:07	Sunny	1.9	19	67	306	500
7-Dec-23	10:07	Sunny	4.7	51	66	306	500
13-Dec-23	8:24	Sunny	5.8	103	75	306	500
13-Dec-23	9:24	Sunny	6.9	92	59	306	500
13-Dec-23	10:24	Sunny	7.8	83	58	306	500
19-Dec-23	8:05	Sunny	4.2	339	54	306	500
19-Dec-23	9:05	Sunny	4.2	344	40	306	500
19-Dec-23	10:05	Sunny	4.4	341	85	306	500
23-Dec-23	8:19	Sunny	4.4	18	39	306	500
23-Dec-23	9:19	Sunny	3.9	31	74	306	500
23-Dec-23	10:19	Sunny	2.8	52	91	306	500
29-Dec-23	8:11	Sunny	3.9	82	69	306	500
29-Dec-23	9:11	Sunny	5.3	78	59	306	500
29-Dec-23	10:11	Sunny	5.8	95	73	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 ($\mu\text{g}/\text{m}^3$)
1-Dec-23	12:39	Sunny	5.3	354	51	298	500
1-Dec-23	13:39	Sunny	4.4	47	57	298	500
1-Dec-23	14:39	Sunny	4.4	50	85	298	500
7-Dec-23	12:21	Sunny	3.9	348	89	298	500
7-Dec-23	13:21	Sunny	5.3	310	34	298	500
7-Dec-23	14:21	Sunny	3.9	321	66	298	500
13-Dec-23	12:43	Sunny	6.4	87	41	298	500
13-Dec-23	13:43	Sunny	6.7	90	47	298	500
13-Dec-23	14:43	Sunny	5.8	77	90	298	500
19-Dec-23	12:09	Sunny	4.4	350	108	298	500
19-Dec-23	13:09	Sunny	3.6	335	90	298	500
19-Dec-23	14:09	Sunny	5.0	325	56	298	500
23-Dec-23	12:49	Sunny	3.3	358	41	298	500
23-Dec-23	13:49	Sunny	4.4	358	54	298	500
23-Dec-23	14:49	Sunny	3.9	339	82	298	500
29-Dec-23	12:17	Sunny	5.0	104	113	298	500
29-Dec-23	13:17	Sunny	4.2	98	115	298	500
29-Dec-23	14:17	Sunny	3.3	246	45	298	500



Notes

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

Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
1-Dec-23	Sunny	8:14	63.0	58.8	64
1-Dec-23	Sunny	8:19	62.2	57.8	
1-Dec-23	Sunny	8:24	63.0	58.2	
1-Dec-23	Sunny	8:29	62.5	58.5	
1-Dec-23	Sunny	8:34	62.5	58.5	
1-Dec-23	Sunny	8:39	62.8	58.2	
7-Dec-23	Sunny	8:41	62.8	57.6	65
7-Dec-23	Sunny	8:46	63.0	58.7	
7-Dec-23	Sunny	8:51	63.5	58.7	
7-Dec-23	Sunny	8:56	62.8	58.2	
7-Dec-23	Sunny	9:01	64.5	59.0	
7-Dec-23	Sunny	9:06	63.4	58.7	
13-Dec-23	Sunny	8:39	62.7	58.7	64
13-Dec-23	Sunny	8:44	62.7	58.8	
13-Dec-23	Sunny	8:49	62.9	58.2	
13-Dec-23	Sunny	8:54	62.1	57.0	
13-Dec-23	Sunny	8:59	64.5	58.3	
13-Dec-23	Sunny	9:04	62.3	57.1	
19-Dec-23	Sunny	8:25	61.9	57.7	64
19-Dec-23	Sunny	8:30	63.3	58.1	
19-Dec-23	Sunny	8:35	63.0	58.0	
19-Dec-23	Sunny	8:40	62.9	58.5	
19-Dec-23	Sunny	8:45	62.3	58.5	
19-Dec-23	Sunny	8:50	62.3	58.3	
29-Dec-23	Sunny	8:44	62.3	58.0	64
29-Dec-23	Sunny	8:49	62.7	57.8	
29-Dec-23	Sunny	8:54	63.4	58.2	
29-Dec-23	Sunny	8:59	63.4	57.4	
29-Dec-23	Sunny	9:04	63.7	58.9	
29-Dec-23	Sunny	9:09	64.4	60.6	

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 ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
5-Dec-23	Sunny	11:01	61.4	57.1	63
5-Dec-23	Sunny	11:06	63.4	57.8	
5-Dec-23	Sunny	11:11	60.6	56.1	
5-Dec-23	Sunny	11:16	62.0	56.4	
5-Dec-23	Sunny	11:21	61.6	57.0	
5-Dec-23	Sunny	11:26	63.5	57.9	
15-Dec-23	Cloudy	10:24	62.7	58.5	64
15-Dec-23	Cloudy	10:29	62.7	59.0	
15-Dec-23	Cloudy	10:34	63.2	59.4	
15-Dec-23	Cloudy	10:39	63.0	60.1	
15-Dec-23	Cloudy	10:44	63.1	60.0	
15-Dec-23	Cloudy	10:49	63.6	59.8	
21-Dec-23	Cloudy	13:17	61.4	57.2	63
21-Dec-23	Cloudy	13:22	61.7	57.1	
21-Dec-23	Cloudy	13:27	61.4	57.2	
21-Dec-23	Cloudy	13:32	61.6	57.7	
21-Dec-23	Cloudy	13:37	62.9	57.3	
21-Dec-23	Cloudy	13:42	62.5	58.0	
28-Dec-23	Sunny	11:36	62.2	55.9	64
28-Dec-23	Sunny	11:41	60.7	55.0	
28-Dec-23	Sunny	11:46	60.1	55.2	
28-Dec-23	Sunny	11:51	66.4	56.0	
28-Dec-23	Sunny	11:56	62.2	55.3	
28-Dec-23	Sunny	12:01	62.0	56.0	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
1-Dec-23	Sunny	12:14	54.4	49.7	53*
1-Dec-23	Sunny	12:19	53.6	50.1	
1-Dec-23	Sunny	12:24	54.2	49.6	
1-Dec-23	Sunny	12:29	54.3	49.9	
1-Dec-23	Sunny	12:34	54.5	50.7	
1-Dec-23	Sunny	12:39	55.1	50.5	
7-Dec-23	Sunny	12:40	61.9	58.0	61*
7-Dec-23	Sunny	12:45	62.4	57.7	
7-Dec-23	Sunny	12:50	62.0	57.7	
7-Dec-23	Sunny	12:55	61.8	56.9	
7-Dec-23	Sunny	13:00	62.5	57.8	
7-Dec-23	Sunny	13:05	62.9	58.2	
13-Dec-23	Sunny	12:14	62.2	54.8	64*
13-Dec-23	Sunny	12:19	61.1	54.4	
13-Dec-23	Sunny	12:24	59.7	55.9	
13-Dec-23	Sunny	12:29	64.3	55.9	
13-Dec-23	Sunny	12:34	58.6	53.3	
13-Dec-23	Sunny	12:39	67.1	53.7	
19-Dec-23	Sunny	11:26	56.2	51.5	58
19-Dec-23	Sunny	11:31	56.3	51.0	
19-Dec-23	Sunny	11:36	56.3	52.2	
19-Dec-23	Sunny	11:41	56.6	52.0	
19-Dec-23	Sunny	11:46	56.0	51.0	
19-Dec-23	Sunny	11:51	54.6	49.4	
29-Dec-23	Sunny	11:19	58.3	56.0	53*
29-Dec-23	Sunny	11:24	58.8	54.4	
29-Dec-23	Sunny	11:29	58.1	53.9	
29-Dec-23	Sunny	11:34	57.7	53.5	
29-Dec-23	Sunny	11:39	56.9	52.1	
29-Dec-23	Sunny	11:44	57.9	53.4	

Remarks:

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

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

Noise Measurement Results

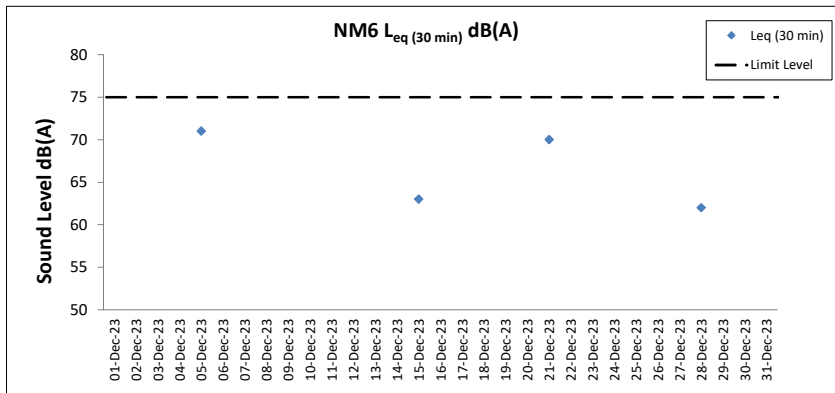
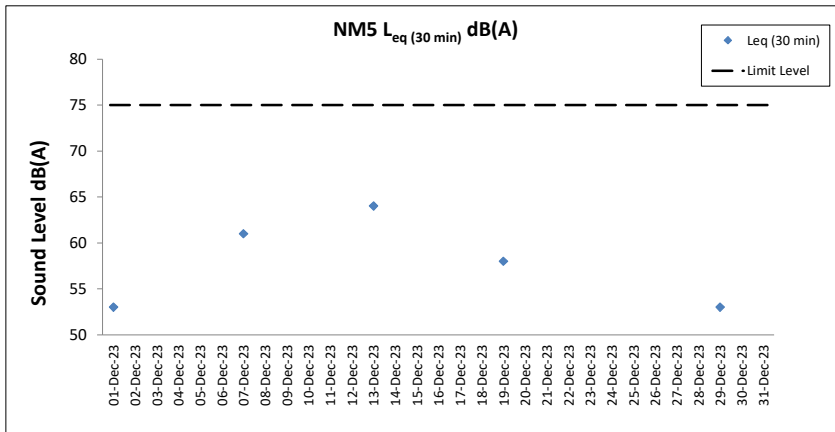
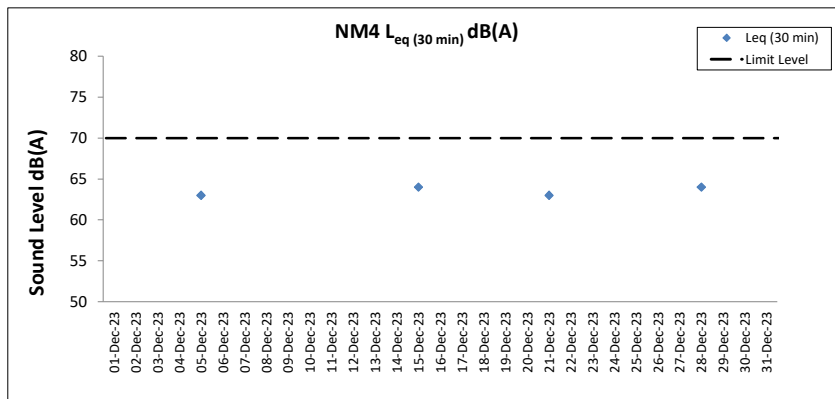
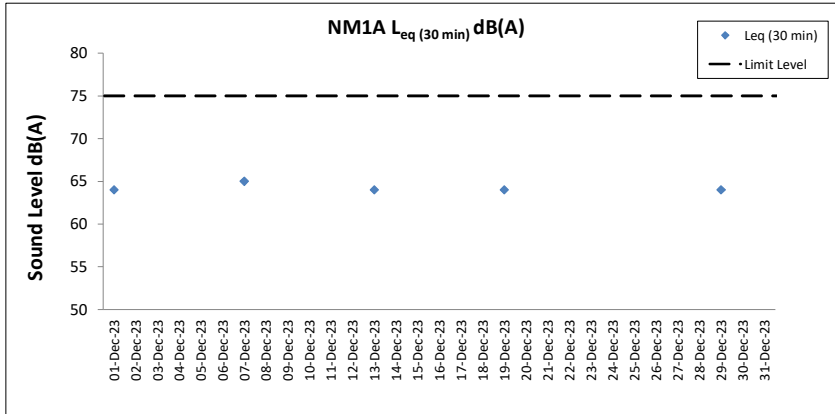
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
5-Dec-23	Sunny	9:48	72.6	58.9	71*
5-Dec-23	Sunny	9:53	77.5	57.7	
5-Dec-23	Sunny	9:58	73.1	56.5	
5-Dec-23	Sunny	10:03	73.5	57.1	
5-Dec-23	Sunny	10:08	77.1	58.7	
5-Dec-23	Sunny	10:13	71.9	58.7	
15-Dec-23	Cloudy	13:18	63.0	54.2	63
15-Dec-23	Cloudy	13:23	61.8	55.5	
15-Dec-23	Cloudy	13:28	60.6	55.0	
15-Dec-23	Cloudy	13:33	62.2	53.4	
15-Dec-23	Cloudy	13:38	59.1	50.7	
15-Dec-23	Cloudy	13:43	59.2	50.4	
21-Dec-23	Cloudy	15:48	73.1	59.9	70*
21-Dec-23	Cloudy	15:53	73.9	59.0	
21-Dec-23	Cloudy	15:58	74.2	61.1	
21-Dec-23	Cloudy	16:03	71.6	61.3	
21-Dec-23	Cloudy	16:08	75.1	59.9	
21-Dec-23	Cloudy	16:13	72.7	58.8	
28-Dec-23	Sunny	9:44	63.0	53.6	62
28-Dec-23	Sunny	9:49	61.2	52.6	
28-Dec-23	Sunny	9:54	61.3	52.5	
28-Dec-23	Sunny	9:59	58.8	52.1	
28-Dec-23	Sunny	10:04	63.1	53.1	
28-Dec-23	Sunny	10:09	61.1	52.7	

Remarks:

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

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



Notes

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

Post-construction Phase Water Quality Monitoring Results

Summary of the Post-construction Phase Water Quality Monitoring Results

Station	DO(Surface&Middle)(mg/L)		DO(Bottom)(mg/L)		Turbidity(NTU)		SS(mg/L)		Alkalinity(ppm)		Chromium(µg/L)		Nickel(µg/L)	
	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide
C1	6.5 (6.1-7.0)	6.5 (6.1-6.9)	6.4 (6.1-6.9)	6.4 (6.1-6.6)	7.0 (1.4-13.8)	6.2 (1.0-14.3)	6 (2-19)	6 (2-13)	86 (77-91)	87 (82-91)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.7 (0.4-1.0)	0.7 (0.4-1.1)
C2	6.5 (6.2-7.1)	6.4 (6.1-6.9)	6.6 (6.2-7.2)	6.4 (6.1-7.0)	4.1 (1.7-9.8)	4.6 (1.1-10.5)	4 (2-9)	4 (2-9)	80 (45-92)	79 (47-92)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.6)	0.8 (0.6-1.3)
C3	6.2 (5.5-6.6)	6.1 (5.9-6.4)	6.4 (5.4-6.9)	6.4 (5.9-6.9)	4.1 (1.1-9.0)	4.7 (0.6-13.4)	5 (2-9)	4 (2-8)	79 (44-91)	78 (43-90)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.8 (0.5-1.2)	0.8 (0.4-1.2)
IM1	6.4 (6.3-7.1)	6.4 (6.1-6.8)	6.4 (6.2-6.7)	6.4 (6.1-6.7)	6.3 (2.1-13.9)	6.1 (1.0-14.9)	6 (2-18)	6 (2-25)	85 (73-91)	87 (82-93)	0.2 (0.2-0.3)	0.2 (0.2-0.3)	0.7 (0.4-0.9)	0.7 (0.4-0.9)
IM2	6.4 (6.1-6.9)	6.4 (6.2-6.8)	6.4 (6.1-6.6)	6.4 (6.1-6.7)	5.2 (1.9-11.8)	6.1 (1.7-13.0)	6 (2-16)	6 (2-22)	85 (45-94)	86 (46-92)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.7 (0.4-0.9)	0.7 (0.4-1.1)
IM3	6.4 (6.1-6.8)	6.4 (6.2-6.9)	6.4 (6.1-6.7)	6.4 (6.2-6.7)	5.7 (1.9-15.4)	6.0 (1.7-14.3)	6 (2-22)	5 (2-21)	86 (46-93)	87 (44-95)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.7 (0.4-0.9)	0.7 (0.4-1.0)
IM4	6.5 (6.2-7.0)	6.4 (6.1-7.0)	6.5 (6.3-6.7)	6.4 (6.1-6.6)	5.6 (1.6-13.8)	5.7 (1.3-13.9)	5 (2-16)	6 (2-19)	86 (79-93)	88 (82-95)	0.2 (0.2-0.2)	0.2 (0.2-0.3)	0.7 (0.4-0.9)	0.7 (0.4-1.0)
IM5	6.5 (6.2-6.8)	6.4 (6.1-6.6)	6.5 (6.2-6.8)	6.4 (6.1-6.6)	4.8 (1.1-13.8)	5.6 (1.1-13.8)	5 (2-21)	6 (2-27)	86 (69-91)	86 (46-92)	0.2 (0.2-0.2)	0.2 (0.2-0.3)	0.7 (0.4-0.9)	0.7 (0.4-1.0)
IM6	6.4 (6.3-6.7)	6.4 (6.0-6.6)	6.5 (6.3-6.7)	6.4 (6.1-6.6)	4.9 (0.8-13.0)	4.2 (0.8-12.5)	6 (2-23)	6 (2-18)	85 (45-92)	86 (45-95)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.7 (0.4-1.0)	0.7 (0.4-1.0)
IM7	6.4 (6.1-6.6)	6.4 (6.0-6.8)	6.4 (6.1-6.5)	6.4 (6.0-6.6)	4.0 (0.6-11.7)	3.6 (0.6-10.3)	6 (2-18)	5 (2-16)	85 (43-93)	86 (47-94)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.7 (0.4-1.1)	0.7 (0.4-1.0)
IM8	6.5 (6.2-7.0)	6.5 (6.2-6.9)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	4.2 (0.9-10.9)	4.5 (0.4-13.9)	5 (2-8)	3 (2-7)	80 (44-92)	79 (44-91)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.4-1.3)	0.8 (0.6-1.2)
IM9	6.5 (6.0-6.9)	6.5 (6.1-6.8)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.7 (0.7-8.2)	3.8 (1.1-10.5)	5 (2-10)	4 (2-7)	81 (43-91)	80 (43-91)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.6-1.2)
IM10	6.4 (6.0-6.9)	6.4 (6.1-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.6 (0.5-10.8)	3.7 (1.1-10.6)	5 (2-9)	4 (2-6)	80 (48-91)	80 (48-90)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.6-1.2)
IM11	6.5 (6.2-6.9)	6.4 (5.9-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.4 (0.6-9.0)	3.8 (1.0-8.0)	4 (2-9)	4 (2-8)	80 (52-91)	80 (52-91)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.4-1.2)
IM12	6.4 (6.2-6.7)	6.4 (5.9-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.6 (1.0-8.3)	3.8 (1.0-10.8)	5 (2-11)	4 (2-7)	79 (45-91)	78 (45-90)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.4-1.2)	0.8 (0.4-1.2)
SR1A	6.5 (6.0-6.9)	6.4 (6.1-6.8)	6.7 (6.4-7.0)	6.6 (6.3-7.0)	3.1 (0.7-6.0)	4.1 (0.7-10.6)	5 (2-8)	4 (2-7)	-	-	-	-	-	-
SR2	6.6 (6.0-6.9)	6.5 (6.3-6.8)	6.7 (6.0-7.2)	6.6 (6.4-7.0)	3.6 (0.9-8.7)	4.2 (0.5-12.0)	4 (2-9)	4 (2-6)	81 (43-102)	79 (43-102)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.4-1.1)
SR3	6.5 (6.3-6.7)	6.5 (6.3-7.1)	6.6 (6.4-7.0)	6.6 (6.3-7.1)	4.0 (1.1-11.3)	3.4 (0.5-8.3)	4 (2-8)	4 (2-8)	-	-	-	-	-	-
SR4A	6.4 (5.9-7.1)	6.4 (6.0-6.8)	6.4 (5.9-6.8)	6.4 (6.0-6.6)	4.7 (1.1-13.9)	4.4 (1.1-10.5)	5 (2-15)	4 (2-9)	-	-	-	-	-	-
SR5A	6.4 (6.0-6.8)	6.4 (6.0-6.6)	6.4 (6.0-6.8)	6.4 (6.0-6.6)	5.6 (1.7-13.0)	3.9 (1.4-10.3)	6 (2-20)	5 (2-12)	-	-	-	-	-	-
SR6	6.3 (5.9-7.0)	6.4 (5.8-6.8)	6.3 (6.0-6.9)	6.3 (5.9-6.7)	4.1 (0.5-12.2)	4.2 (1.1-12.2)	6 (2-14)	4 (2-8)	-	-	-	-	-	-
SR7	6.1 (5.5-6.5)	6.1 (5.8-6.5)	6.3 (5.4-6.9)	6.3 (5.8-6.9)	3.1 (0.5-9.3)	3.3 (1.4-7.1)	4 (2-9)	4 (2-7)	-	-	-	-	-	-
SR8	6.4 (6.0-6.6)	6.4 (6.0-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	4.1 (1.2-12.0)	4.4 (1.0-8.0)	4 (2-9)	4 (2-7)	-	-	-	-	-	-

Note: (1) Average value and the range of values (in bracket) are presented in each cell.

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value
C1	Fine	Rough	13:17	7.9	Surface	1.0	0.2	220	24.3	24.3	8.2	8.2	30.5	30.5	88.5	88.5	6.2	6.2	5.3	5.3	5	5	82	82	85	815628	804260	0.2	0.7	
						1.0	0.2	213	24.3	24.3	8.2	8.2	30.5	30.5	88.5	88.5	6.2	6.2	5.3	5.3	5	5	82	82	85	815628	804260	0.2	0.6	
						4.0	0.2	210	24.3	24.3	8.2	8.2	30.6	30.6	88.0	88.0	6.2	6.2	4.9	4.9	5	5	84	84	85	815628	804260	0.2	0.7	
					Middle	4.0	0.2	213	24.3	24.3	8.2	8.2	30.6	30.6	88.0	88.0	6.2	6.2	4.9	4.9	5	5	84	84	85	815628	804260	0.3	0.6	
						6.9	0.2	216	24.3	24.3	8.2	8.2	30.8	30.8	87.4	87.4	6.1	6.1	8.0	8.0	6	6	88	88	85	815628	804260	0.2	0.6	
						6.9	0.2	218	24.3	24.3	8.2	8.2	30.8	30.8	87.5	87.5	6.2	6.2	8.1	8.1	7	7	88	88	85	815628	804260	0.2	0.7	
					Bottom	1.0	0.0	2	25.3	25.3	8.0	8.0	29.2	29.2	89.0	89.0	6.2	6.2	3.9	3.9	5	5	47	47	74	825674	806939	0.2	0.7	
						1.0	0.0	9	25.3	25.3	8.0	8.0	29.2	29.2	88.9	88.9	6.2	6.2	3.9	3.9	6	6	47	47	74	825674	806939	0.2	0.8	
						4.6	0.0	11	25.2	25.2	8.0	8.0	29.2	29.2	89.0	89.1	6.2	6.2	4.9	4.9	6	6	82	82	74	825674	806939	0.2	0.7	
Bottom	4.6	0.1	12	25.2	25.2	8.0	8.0	29.2	29.2	89.1	89.1	6.2	6.2	4.8	4.8	5	5	83	83	74	825674	806939	0.2	0.8						
	8.2	0.1	353	25.2	25.2	8.0	8.0	29.2	29.2	89.4	89.5	6.2	6.2	5.2	5.2	6	6	91	91	74	825674	806939	<0.2	0.6						
	8.2	0.1	355	25.2	25.2	8.0	8.0	29.2	29.2	89.5	89.5	6.2	6.2	5.2	5.2	7	7	91	91	74	825674	806939	<0.2	0.6						
C2	Fine	Moderate	11:55	9.2	Surface	1.0	0.0	2	25.3	25.3	8.0	8.0	29.2	29.2	89.0	89.0	6.2	6.2	3.9	3.9	5	5	47	47	74	825674	806939	0.2	0.7	
						1.0	0.0	9	25.3	25.3	8.0	8.0	29.2	29.2	88.9	88.9	6.2	6.2	3.9	3.9	6	6	47	47	74	825674	806939	0.2	0.8	
						4.6	0.0	11	25.2	25.2	8.0	8.0	29.2	29.2	89.0	89.1	6.2	6.2	4.9	4.9	6	6	82	82	74	825674	806939	0.2	0.7	
					Middle	4.6	0.1	12	25.2	25.2	8.0	8.0	29.2	29.2	89.1	89.1	6.2	6.2	4.8	4.8	5	5	83	83	74	825674	806939	0.2	0.8	
						8.2	0.1	353	25.2	25.2	8.0	8.0	29.2	29.2	89.4	89.5	6.2	6.2	5.2	5.2	6	6	91	91	74	825674	806939	<0.2	0.6	
						8.2	0.1	355	25.2	25.2	8.0	8.0	29.2	29.2	89.5	89.5	6.2	6.2	5.2	5.2	7	7	91	91	74	825674	806939	<0.2	0.6	
					Bottom	1.0	0.2	79	25.5	25.5	8.0	8.0	30.7	30.7	91.2	91.3	6.3	6.3	1.1	1.1	5	5	51	51	74	822102	817780	0.3	0.8	
						1.0	0.2	85	25.5	25.5	8.0	8.0	30.8	30.8	91.4	91.4	6.3	6.3	1.1	1.1	5	5	51	51	74	822102	817780	0.3	0.7	
						5.0	0.2	64	25.5	25.5	8.0	8.0	30.8	30.8	92.4	94.2	6.4	6.4	1.2	1.2	5	5	85	85	74	822102	817780	0.3	0.7	
Middle	5.0	0.1	57	25.5	25.5	8.0	8.0	30.8	30.8	96.0	96.0	6.6	6.6	1.2	1.2	6	6	85	85	74	822102	817780	0.3	0.7						
	9.0	0.2	53	25.5	25.5	8.0	8.0	30.8	30.8	96.9	97.2	6.7	6.7	2.3	2.3	6	6	87	87	74	822102	817780	0.3	0.7						
	9.0	0.2	46	25.5	25.5	8.0	8.0	30.8	30.8	97.5	97.5	6.7	6.7	2.3	2.3	4	4	87	87	74	822102	817780	0.3	0.6						
C3	Fine	Moderate	14:33	10.0	Surface	1.0	0.1	185	24.3	24.3	8.3	8.3	30.3	30.3	90.4	90.4	6.4	6.4	3.8	3.8	5	5	82	82	86	818351	806442	0.3	0.6	
						1.0	0.2	192	24.3	24.3	8.3	8.3	30.3	30.3	90.4	90.4	6.4	6.4	3.9	3.9	5	5	83	83	86	818351	806442	0.3	0.7	
						3.4	0.1	196	24.3	24.3	8.3	8.3	30.4	30.4	89.2	89.2	6.3	6.3	4.5	4.5	6	6	86	86	86	818351	806442	<0.2	0.6	
					Middle	3.4	0.1	191	24.3	24.3	8.3	8.3	30.4	30.4	89.2	89.2	6.3	6.3	4.5	4.5	5	5	86	86	86	818351	806442	<0.2	0.7	
						5.8	0.1	202	24.3	24.3	8.2	8.2	30.6	30.6	88.0	88.0	6.2	6.2	9.0	9.0	7	7	90	90	86	818351	806442	0.2	0.6	
						5.8	0.1	204	24.3	24.3	8.2	8.2	30.6	30.6	88.0	88.0	6.2	6.2	9.0	9.0	8	8	90	90	86	818351	806442	0.2	0.6	
					Bottom	1.0	0.1	164	24.4	24.4	8.2	8.2	30.4	30.4	87.6	87.6	6.2	6.2	4.5	4.5	6	6	85	85	88	81867	806196	<0.2	0.6	
						1.0	0.1	156	24.4	24.4	8.2	8.2	30.4	30.4	87.5	87.5	6.2	6.2	4.6	4.6	7	7	85	85	88	81867	806196	<0.2	0.6	
						3.6	0.1	176	24.4	24.4	8.2	8.2	30.5	30.5	86.8	86.8	6.1	6.1	3.3	3.3	6	6	87	87	88	81867	806196	<0.2	0.5	
Middle	3.6	0.1	179	24.4	24.4	8.2	8.2	30.5	30.5	86.8	86.8	6.1	6.1	3.3	3.3	7	7	87	87	88	81867	806196	<0.2	0.5						
	6.2	0.1	165	24.4	24.4	8.2	8.2	30.6	30.6	86.8	86.8	6.1	6.1	4.1	4.1	5	5	91	91	88	81867	806196	0.2	0.6						
	6.2	0.1	168	24.4	24.4	8.2	8.2	30.6	30.6	86.8	86.8	6.1	6.1	4.1	4.1	6	6	91	91	88	81867	806196	0.2	0.5						
Bottom	1.0	0.1	156	24.4	24.4	8.3	8.3	30.1	30.1	89.7	89.7	6.3	6.3	3.6	3.6	6	6	85	85	88	819390	805999	0.2	0.7						
	1.0	0.0	161	24.4	24.4	8.3	8.3	30.1	30.1	89.7	89.7	6.3	6.3	3.6	3.6	5	5	85	85	88	819390	805999	0.3	0.6						
	3.8	0.1	183	24.5	24.5	8.3	8.3	30.6	30.6	87.6	87.7	6.1	6.1	4.2	4.2	5	5	87	87	88	819390	805999	0.2	0.6						
Middle	3.8	0.1	186	24.5	24.5	8.3	8.3	30.6	30.6	87.7	87.7	6.1	6.1	4.2	4.2	5	5	87	87	88	819390	805999	0.2	0.6						
	6.5	0.0	178	24.5	24.5	8.2	8.2	30.7	30.7	87.8	87.8	6.1	6.1	6.3	6.3	4	4	90	90	88	819390	805999	<0.2	0.6						
	6.5	0.0	176	24.5	24.5	8.2	8.2	30.7	30.7	87.8	87.8	6.2	6.2	6.4	6.4	5	5	91	91	88	819390	805999	<0.2	0.6						
Bottom	1.0	0.1	160	24.3	24.3	8.3	8.3	29.9	29.9	90.3	90.3	6.4	6.4	4.5	4.5	5	5	84	84	86	819567	805062	<0.2	0.6						
	1.0	0.2	162	24.3	24.3	8.3	8.3	29.9	29.9	90.3	90.3	6.4	6.4	4.5	4.5	5	5	84	84	86	819567	805062	<0.2	0.6						
	4.2	0.1	191	24.5	24.5	8.2	8.2	30.5	30.5	88.5	88.6	6.2	6.2	8.1	8.1	5	5	84	84	86	819567	805062	<0.2	0.6						
Middle	4.2	0.1	191	24.5	24.5	8.2	8.2	30.5	30.5	88.6	88.6	6.2	6.2	8.2	8.2	6	6	84	84	86	819567	805062	<0.2	0.6						
	7.4	0.1	181	24.4	24.4	8.2	8.2	30.5	30.6	90.6	90.9	6.4	6.4	9.1	9.1	5	5	88	88	86	819567	805062	<0.2	0.5						
	7.4	0.1	180	24.4	24.4	8.2	8.2	30.6	30.6	91.2	91.2	6.4	6.4	9.2	9.2	6	6	89	89	86	819567	805062	<0.2	0.6						
Bottom	1.0	0.1	144	24.3	24.3	8.3	8.3	30.2	30.2	89.2	89.2	6.3	6.3	5.3	5.3	5	5	84	84	87	820558	804913	<0.2	0.5						
	1.0	0.2	149	24.3	24.3	8.3	8.3	30.1	30.2	89.2	89.2	6.3	6.3	5.3	5.3	4	4	85	85	87	820558	804913	<0.2	0.5						
	3.6	0.1	127	24.4	24.4	8.3	8.3	30.3	30.3	88.4	88.4	6.2	6.2	7.2	7.2	4	4	87	87	87	820558	804913	<0.2	0.6						
Middle	3.6	0.1	133	24.4	24.4	8.3	8.3	30.3	30.3	88.4	88.4	6.2	6.2	7.2	7.2	5	5	87	87	87	820558	804913	<0.2	0.5						
	6.1	0.1	137	24.4	24.4	8.2	8.2	30.5	30.5	87.9	87.9	6.2	6.2	9.6	9.6	5	5	90	90	87	820558	804913	<0.2	0.6						
	6.1	0.1	141	24.4	24.4	8.2	8.2	30.5	30.5	87.9	87.9	6.2	6.2	9.6	9.6	5	5	90	90	87	820558	804913	<0.2	0.5						
Bottom	1.0	0.1	106	24.3	24.3	8.2	8.2	30.5	30.5	89.8	89.8	6.3	6.3	5.5	5.5	5	5	85												

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Fine	Moderate	12:31	8.6	Surface	1.0	0.1	72	25.2	25.2	8.0	8.0	29.4	29.4	90.7	90.8	6.3	6.4	2.9	3.0	5	6	84	85	88	89	88	822102	808830	<0.2	0.2	0.8	0.7	
						1.0	0.1	69	25.2	8.0	8.0	29.4	29.4	90.8	90.8	6.3	6.4	3.0	3.0	6	6	85	86	88	89	88	822102	808830	<0.2	0.2	0.6	0.7		
						4.3	0.1	94	25.1	8.0	8.0	29.7	29.7	92.1	92.2	6.4	6.4	3.3	3.4	5	6	88	89	88	89	88	822102	808830	<0.2	0.2	0.6	0.7		
					4.3	0.0	90	25.1	8.0	8.0	29.7	29.7	92.3	92.3	6.4	6.4	3.4	3.4	6	6	89	90	89	90	89	822102	808830	<0.2	0.2	0.6	0.7			
					7.6	0.2	65	24.9	8.0	8.0	30.0	30.0	94.3	94.6	6.6	6.6	5.0	5.0	7	7	89	90	89	90	89	822102	808830	<0.2	0.2	0.8	0.7			
					7.6	0.2	72	24.9	8.0	8.0	30.0	30.0	94.8	94.8	6.6	6.6	5.0	5.0	6	6	90	90	89	90	89	822102	808830	<0.2	0.2	0.7	0.7			
IM10	Fine	Moderate	12:38	9.8	Surface	1.0	0.1	90	25.2	25.2	8.0	8.0	30.0	30.0	89.6	89.6	6.2	6.3	2.0	2.0	5	6	52	52	77	822220	809860	<0.2	<0.2	0.7	0.7			
						1.0	0.2	95	25.2	8.0	8.0	30.0	30.0	89.6	89.6	6.2	6.3	2.0	2.0	6	6	52	52	77	822220	809860	<0.2	<0.2	0.7	0.7				
						4.9	0.2	88	25.1	8.0	8.0	30.0	30.0	90.4	90.5	6.3	6.3	3.2	3.2	5	5	89	89	77	822220	809860	<0.2	<0.2	0.6	0.7				
					4.9	0.2	81	25.1	8.0	8.0	30.0	30.0	90.6	90.6	6.3	6.3	3.2	3.2	6	6	89	89	77	822220	809860	<0.2	<0.2	0.6	0.7					
					8.8	0.2	75	25.1	8.0	8.0	30.0	30.0	98.6	98.9	6.9	6.9	4.3	4.3	7	7	90	90	77	822220	809860	<0.2	<0.2	0.6	0.7					
					8.8	0.2	68	25.1	8.0	8.0	30.0	30.0	99.1	99.1	6.9	6.9	4.3	4.3	8	8	90	90	77	822220	809860	<0.2	<0.2	0.6	0.7					
IM11	Fine	Moderate	12:54	10.0	Surface	1.0	0.2	82	25.2	25.2	8.0	8.0	30.1	30.2	89.4	89.5	6.2	6.3	2.1	2.1	6	6	62	63	75	821483	810554	<0.2	<0.2	0.6	0.7			
						1.0	0.2	87	25.2	8.0	8.0	30.2	30.2	89.5	89.5	6.2	6.3	2.1	2.1	6	6	63	63	75	821483	810554	<0.2	<0.2	0.7	0.7				
						5.0	0.2	82	25.3	8.0	8.0	30.2	30.2	91.2	91.4	6.3	6.3	3.2	3.2	5	5	78	78	75	821483	810554	<0.2	<0.2	0.6	0.7				
					5.0	0.2	76	25.3	8.0	8.0	30.2	30.2	91.6	91.6	6.3	6.3	3.2	3.2	5	5	78	78	75	821483	810554	<0.2	<0.2	0.7	0.7					
					9.0	0.2	104	25.3	8.0	8.0	30.2	30.2	93.0	93.1	6.4	6.5	4.6	4.6	5	5	84	84	75	821483	810554	<0.2	<0.2	0.6	0.7					
					9.0	0.2	102	25.3	8.0	8.0	30.2	30.2	93.2	93.2	6.4	6.5	4.5	4.5	5	5	85	85	75	821483	810554	<0.2	<0.2	0.6	0.7					
IM12	Fine	Moderate	13:17	10.0	Surface	1.0	0.2	107	25.4	25.4	8.0	8.0	30.2	30.2	89.0	89.1	6.2	6.3	4.2	4.2	4	5	48	48	74	821162	811506	<0.2	<0.2	0.6	0.7			
						1.0	0.2	102	25.4	8.0	8.0	30.2	30.2	89.1	89.1	6.2	6.3	4.2	4.2	5	5	48	48	74	821162	811506	<0.2	<0.2	0.7	0.7				
						5.0	0.2	114	25.4	8.0	8.0	30.3	30.3	91.2	91.4	6.3	6.3	5.2	5.2	5	5	86	86	74	821162	811506	<0.2	<0.2	0.6	0.7				
					5.0	0.2	112	25.4	8.0	8.0	30.3	30.3	91.6	91.6	6.3	6.3	5.2	5.2	5	5	86	86	74	821162	811506	<0.2	<0.2	0.7	0.7					
					9.0	0.2	94	25.3	8.0	8.0	30.3	30.3	94.3	94.7	6.5	6.6	6.1	6.1	6	6	88	88	74	821162	811506	<0.2	<0.2	0.6	0.7					
					9.0	0.2	92	25.3	8.0	8.0	30.3	30.3	95.1	95.1	6.6	6.6	6.1	6.1	7	7	88	88	74	821162	811506	<0.2	<0.2	0.6	0.7					
SR1A	Fine	Moderate	14:09	4.8	Surface	1.0	0.0	17	25.1	25.1	8.0	8.0	29.9	29.9	91.8	91.9	6.4	6.4	3.2	3.2	6	6	-	-	-	819978	812660	-	-	-	-			
						1.0	0.0	19	25.1	8.0	8.0	29.9	29.9	91.9	91.9	6.4	6.4	3.2	3.2	5	5	-	-	-	819978	812660	-	-	-	-				
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.8	0.0	9	25.1	8.0	8.0	30.0	30.0	99.0	99.4	6.9	6.9	4.5	4.5	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.8	0.0	13	25.1	8.0	8.0	30.0	30.0	99.7	99.7	6.9	6.9	4.5	4.5	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Moderate	14:16	5.0	Surface	1.0	0.2	21	25.2	25.2	8.0	8.0	30.1	30.1	92.2	93.9	6.4	6.6	2.6	2.5	6	5	74	74	83	821457	814188	<0.2	<0.2	0.7	0.7			
						1.0	0.2	19	25.2	8.0	8.0	30.1	30.1	95.6	95.6	6.6	6.5	2.5	2.5	5	5	-	-	-	83	821457	814188	<0.2	<0.2	0.7	0.7			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.0	0.3	55	25.2	8.0	8.0	30.0	30.0	98.2	98.6	6.8	6.9	3.7	3.7	4	5	92	92	83	821457	814188	<0.2	<0.2	0.7	0.7					
					4.0	0.3	54	25.2	8.0	8.0	30.0	30.0	98.9	98.9	6.9	6.9	3.7	3.7	5	5	92	92	83	821457	814188	<0.2	<0.2	0.7	0.7					
					4.0	0.3	54	25.2	8.0	8.0	30.0	30.0	98.9	98.9	6.9	6.9	3.7	3.7	5	5	92	92	83	821457	814188	<0.2	<0.2	0.7	0.7					
SR3	Fine	Moderate	12:20	7.8	Surface	1.0	0.0	67	25.1	25.1	8.0	8.0	29.6	29.6	93.8	93.9	6.6	6.6	3.2	3.2	4	6	-	-	-	-	-	-	-	-	-	-		
						1.0	0.1	69	25.0	8.0	8.0	29.6	29.6	93.9	93.9	6.6	6.6	3.2	3.2	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.9	0.1	77	24.9	8.0	8.0	30.1	30.1	94.8	94.9	6.6	6.6	3.9	3.9	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.9	0.1	76	24.9	8.0	8.0	30.1	30.1	94.9	94.9	6.6	6.6	3.9	3.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					6.8	0.1	83	24.8	8.0	8.0	30.2	30.2	98.9	99.3	6.9	7.0	4.0	4.0	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					6.8	0.1	76	24.9	8.0	8.0	30.1	30.2	99.6	99.6	7.0	7.0	4.0	4.0	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Moderate	13:43	9.5	Surface	1.0	0.0	358	24.2	24.2	8.2	8.2	30.6	30.6	87.4	87.4	6.2	6.2	4.5	4.5	6	6	-	-	-	-	-	-	-	-	-			
						1.0	0.0	2	24.2	8.2	8.2	30.6	30.6	87.4	87.4	6.2	6.2	4.5	4.5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
						4.8	0.0	340	24.2	8.2	8.2	30.7	30.7	87.0	87.1	6.1	6.1	5.3	5.4	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
					4.8	-	339	24.2	8.2	8.2	30.7	30.7	87.1	87.1	6.1	6.1	5.4	5.4	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					8.5	0.0	21	24.2	8.2	8.2	30.7	30.7	87.4	87.5	6.2	6.2	6.7	6.8	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
					8.5	0.0	18	24.2																										

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

Water Quality Monitoring Results on 14 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	07:46	7.3	Surface	1.0	0.4	22	24.3	24.3	8.2	8.2	30.3	30.4	88.5	88.5	6.2	6.2	6.6	6.6	7	7	83	83	0.2	0.2	0.6	0.6		
						1.0	0.4	20	24.3	24.3	8.2	8.2	30.4	30.4	88.5	88.5	6.2	6.2	6.6	6.6	6	6	83	83	0.2	0.2	0.6	0.6		
						3.7	0.4	38	24.3	24.3	8.2	8.2	30.5	30.5	87.8	87.8	6.2	6.2	8.3	8.3	7	7	88	88	0.2	0.2	0.6	0.6		
					Middle	3.7	0.4	34	24.3	24.3	8.2	8.2	30.5	30.5	87.8	87.8	6.2	6.2	8.2	8.2	6	6	88	88	0.2	0.2	0.6	0.6		
						6.3	0.4	13	24.3	24.3	8.2	8.2	30.8	30.8	87.5	87.5	6.1	6.2	9.2	9.2	6	6	90	90	<0.2	<0.2	0.6	0.6		
						6.3	0.4	11	24.3	24.3	8.2	8.2	30.8	30.8	87.5	87.5	6.2	6.2	9.3	9.3	6	6	90	90	<0.2	<0.2	0.6	0.6		
C2	Fine	Moderate	09:24	10.4	Surface	1.0	0.5	345	25.2	25.2	8.0	8.0	29.2	29.2	90.4	90.5	6.3	6.3	4.0	4.0	4	4	52	52	<0.2	<0.2	0.7	0.7		
						1.0	0.5	351	25.2	25.2	8.0	8.0	29.2	29.2	90.5	90.5	6.3	6.4	4.0	4.0	4	4	52	52	<0.2	<0.2	0.7	0.7		
						5.2	0.5	2	25.2	25.2	8.0	8.0	29.2	29.2	91.2	91.3	6.4	6.4	4.9	4.9	5	5	91	91	<0.2	<0.2	0.6	0.6		
					Middle	5.2	0.5	3	25.2	25.2	8.0	8.0	29.2	29.2	91.3	91.3	6.4	6.4	5.0	5.0	5	5	91	91	<0.2	<0.2	0.6	0.6		
						9.4	0.5	12	25.0	25.0	8.0	8.0	29.3	29.4	92.9	93.1	6.5	6.5	6.1	6.1	5	5	90	90	<0.2	<0.2	0.6	0.6		
						9.4	0.5	6	24.9	24.9	8.0	8.0	29.4	29.4	93.3	93.3	6.5	6.5	6.1	6.1	6	6	90	90	<0.2	<0.2	0.8	0.8		
C3	Fine	Moderate	07:42	9.8	Surface	1.0	0.4	273	25.6	25.6	8.0	8.0	30.7	30.7	85.7	85.7	5.9	5.9	1.4	1.4	6	6	44	44	0.2	0.2	0.7	0.7		
						1.0	0.4	278	25.6	25.6	8.0	8.0	30.7	30.7	85.7	85.7	5.9	5.9	1.4	1.4	5	5	44	44	0.2	0.2	0.8	0.8		
						4.9	0.5	259	25.6	25.6	8.0	8.0	30.7	30.7	86.1	86.1	5.9	6.1	2.3	2.3	5	5	86	86	0.2	0.2	0.6	0.6		
					Middle	4.9	0.5	258	25.6	25.6	8.0	8.0	30.7	30.7	86.1	86.1	5.9	6.0	2.3	2.3	5	5	86	86	0.2	0.2	0.7	0.7		
						8.8	0.5	276	25.6	25.6	8.0	8.0	30.7	30.7	86.6	86.7	6.0	6.0	4.3	4.3	5	5	86	86	<0.2	<0.2	0.7	0.7		
						8.8	0.5	283	25.6	25.6	8.0	8.0	30.7	30.7	86.7	86.7	6.0	6.0	4.3	4.3	5	5	86	86	<0.2	<0.2	0.7	0.7		
IM1	Fine	Moderate	08:13	6.5	Surface	1.0	0.3	15	24.2	24.2	8.2	8.2	30.4	30.4	86.7	86.7	6.1	6.1	4.8	4.8	5	5	82	82	<0.2	<0.2	0.7	0.7		
						1.0	0.3	13	24.2	24.2	8.2	8.2	30.4	30.4	86.7	86.7	6.1	6.1	4.7	4.7	6	6	82	82	<0.2	<0.2	0.6	0.6		
						3.3	0.3	5	24.3	24.3	8.2	8.2	30.5	30.5	86.5	86.5	6.1	6.1	5.0	5.0	6	6	84	84	<0.2	<0.2	0.7	0.7		
					Middle	3.3	0.3	12	24.3	24.3	8.2	8.2	30.5	30.5	86.5	86.5	6.1	6.1	5.0	5.0	6	6	84	84	<0.2	<0.2	0.6	0.6		
						5.5	0.2	14	24.3	24.3	8.2	8.2	30.6	30.6	86.3	86.3	6.1	6.1	6.8	6.8	6	6	90	90	0.2	0.2	0.6	0.6		
						5.5	0.3	16	24.3	24.3	8.2	8.2	30.6	30.6	86.3	86.3	6.1	6.1	6.9	6.9	6	6	90	90	0.3	0.3	0.7	0.7		
IM2	Fine	Moderate	08:21	7.0	Surface	1.0	0.3	9	24.3	24.3	8.2	8.2	30.2	30.2	88.0	88.0	6.2	6.2	6.6	6.6	6	6	83	83	0.2	0.2	0.7	0.7		
						1.0	0.3	7	24.3	24.3	8.2	8.2	30.2	30.2	88.0	88.0	6.2	6.2	6.7	6.7	6	6	83	83	0.2	0.2	0.6	0.6		
						3.5	0.3	23	24.3	24.3	8.2	8.2	30.3	30.4	87.6	87.6	6.2	6.2	7.7	7.7	6	6	88	88	<0.2	<0.2	0.7	0.7		
					Middle	3.5	0.3	24	24.3	24.3	8.2	8.2	30.4	30.4	87.6	87.6	6.2	6.2	7.8	7.8	7	7	88	88	<0.2	<0.2	0.6	0.6		
						6.0	0.2	1	24.3	24.3	8.2	8.2	30.7	30.7	87.0	87.0	6.1	6.1	10.1	10.1	7	7	91	91	<0.2	<0.2	0.5	0.5		
						6.0	0.3	355	24.3	24.3	8.2	8.2	30.7	30.7	87.1	87.1	6.1	6.1	10.1	10.1	8	8	92	92	<0.2	<0.2	0.5	0.5		
IM3	Fine	Moderate	08:35	7.3	Surface	1.0	0.3	0	24.3	24.3	8.3	8.3	30.0	30.0	88.7	88.7	6.3	6.3	6.2	6.2	6	6	85	85	<0.2	<0.2	0.7	0.7		
						1.0	0.3	5	24.3	24.3	8.3	8.3	30.0	30.0	88.7	88.7	6.3	6.3	6.1	6.1	7	7	85	85	<0.2	<0.2	0.6	0.6		
						3.7	0.3	8	24.4	24.4	8.2	8.2	30.2	30.2	87.8	87.8	6.2	6.2	6.3	6.3	7	7	86	86	<0.2	<0.2	0.8	0.8		
					Middle	3.7	0.3	8	24.4	24.4	8.2	8.2	30.2	30.2	87.8	87.9	6.2	6.2	6.4	6.4	6	6	86	86	<0.2	<0.2	0.7	0.7		
						6.3	0.3	25	24.4	24.4	8.2	8.2	30.3	30.3	87.9	87.9	6.2	6.2	8.1	8.1	6	6	91	91	<0.2	<0.2	0.7	0.7		
						6.3	0.3	21	24.4	24.4	8.2	8.2	30.3	30.3	87.9	87.9	6.2	6.2	8.0	8.0	5	5	91	91	<0.2	<0.2	0.7	0.7		
IM4	Fine	Moderate	08:51	8.1	Surface	1.0	0.3	356	24.3	24.3	8.2	8.2	30.5	30.5	87.6	87.6	6.2	6.2	4.1	4.1	6	6	86	86	0.2	0.2	0.6	0.6		
						1.0	0.3	2	24.3	24.3	8.2	8.2	30.4	30.4	87.6	87.6	6.1	6.1	4.1	4.1	6	6	87	87	0.3	0.3	0.7	0.7		
						4.1	0.3	18	24.3	24.3	8.2	8.2	30.6	30.6	87.7	87.7	6.2	6.2	5.8	5.8	5	5	88	88	<0.2	<0.2	0.6	0.6		
					Middle	4.1	0.3	14	24.3	24.3	8.2	8.2	30.6	30.6	87.8	87.8	6.2	6.2	5.9	5.9	6	6	88	88	<0.2	<0.2	0.6	0.6		
						7.1	0.3	20	24.3	24.3	8.2	8.2	30.7	30.7	88.2	88.2	6.2	6.2	6.4	6.4	5	5	91	91	<0.2	<0.2	0.6	0.6		
						7.1	0.3	27	24.3	24.3	8.2	8.2	30.7	30.7	88.3	88.3	6.2	6.2	6.4	6.4	5	5	91	91	<0.2	<0.2	0.6	0.6		
IM5	Fine	Moderate	09:05	6.9	Surface	1.0	0.4	9	24.4	24.4	8.2	8.2	29.6	29.6	88.6	88.8	6.3	6.3	3.6	3.6	6	6	82	82	0.3	0.3	0.6	0.6		
						1.0	0.4	13	24.4	24.4	8.2	8.2	29.6	29.6	89.0	89.0	6.3	6.2	3.6	3.6	6	6	82	82	0.3	0.3	0.7	0.7		
						3.5	0.4	352	24.3	24.3	8.2	8.2	30.6	30.6	87.2	87.3	6.1	6.1	8.8	8.8	8	8	86	86	<0.2	<0.2	0.5	0.5		
					Middle	3.5	0.4	356	24.3	24.3	8.2	8.2	30.6	30.6	87.3	87.3	6.1	6.1	8.8	8.8	9	9	86	86	<0.2	<0.2	0.6	0.6		
						5.9	0.3	12	24.3	24.3	8.2	8.2	30.6	30.6	87.4	87.4	6.1	6.1	7.4	7.4	9	9	91	91	<0.2	<0.2	0.6	0.6		
						5.9	0.4	11	24.3	24.3	8.2	8.2	30.6	30.6	87.4	87.4	6.1	6.1	7.5	7.5	10	10	91	91	<0.2	<0.2	0.7	0.7		
IM6	Fine	Moderate	09:12	7.1	Surface	1.0	0.2	11	24.5	24.5	8.2	8.2	29.5	29.6	86.8	86.8	6.1	6.1	3.2	3.2	8	8	80	80	<0.2	<0.2	0.7	0.7		
						1.0	0.3	16	24.4	24.4	8.2	8.2	29.6	29.6	86.8	86.8	6.1	6.1	3.2	3.2	7	7	80	80	<0.2	<0.2	0.6	0.6		
						3.6	0.3	359	24.3	24.3	8.2	8.2	30.0	30.0	86.4	86.4	6.1	6.1	4.5	4.5	6	6	84	84	<0.2	<0.2	0.6	0.6		
					Middle	3.6	0.3	352	24.3	24.3	8.2	8.2	30.0	30.0	86.4	86.4	6.1	6.1	4.5	4.5	6	6	84	84	<0.2	<0.2	0.7	0.7		
						6.1	0.2	25	24.2	24.2	8.2	8.2	30.2	30.2	86.1	86.1	6.1	6.1	6.1	6.1	5	5	91	91	<0.2	<0.2	0.6	0.6		
						6.1	0.2	28	24.2	24.2	8.2	8.2	30.2	30.2	86.1	86.1	6.1	6.1	6.2	6.2	5	5	91	91	<0.2	<0.2	0.6	0.6		
IM7	Fine	Moderate	09:27	7.3	Surface	1.0	0.3	29	24.6	24.6	8.2	8.2	29.1	29.0	86.3	86.4	6.1	6.1	2.8	2.8	6	6	79	79	<0.2	<0.2	0.5	0.5		
						1.0	0.2	25	24.6	24.6	8.2	8.2	28.9	28.9	86.4	86.4	6.1	6.1	3.0	3.0	5	5	79	79	<0.2	<0.2	0.5	0.5		
						3.7</																								

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

Water Quality Monitoring Results on 14 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Fine	Moderate	08:54	7.8	Surface	1.0	0.4	314	24.9	24.9	8.0	8.0	29.7	29.8	92.1	92.2	6.4	6.5	2.5	3.9	4	4	85	88	822070	808825	<0.2	0.7	<0.2	0.6			
						1.0	0.4	307	24.9	24.9	8.0	8.0	29.8	29.8	92.2	92.2	6.4	6.5	2.5	3.9	4	4	85	88	822070	808825	<0.2	0.7	<0.2	0.6			
						3.9	0.4	316	24.9	24.9	8.0	8.0	30.0	30.0	94.7	94.9	6.6	6.6	3.8	3.9	4	4	88	88	822070	808825	<0.2	0.7	<0.2	0.7			
					Middle	3.9	0.4	321	24.9	24.9	8.0	8.0	30.0	30.0	95.1	95.1	6.6	6.6	3.7	3.9	4	4	88	88	822070	808825	<0.2	0.7	<0.2	0.7			
						6.8	0.3	333	24.9	24.9	8.0	8.0	30.0	30.0	98.0	98.3	6.9	6.9	5.4	5.3	4	4	90	91	822070	808825	<0.2	0.7	<0.2	0.7			
						6.8	0.3	338	24.9	24.9	8.0	8.0	30.0	30.0	98.5	98.3	6.9	6.9	5.3	5.3	4	4	91	91	822070	808825	<0.2	0.7	<0.2	0.7			
IM10	Fine	Moderate	08:48	8.8	Surface	1.0	0.4	305	25.2	25.2	8.0	8.0	30.0	30.0	90.1	90.3	6.3	6.4	3.7	4.5	4	4	49	49	822259	809849	0.2	0.8	0.2	0.8			
						1.0	0.4	305	25.2	25.2	8.0	8.0	30.0	30.0	90.4	90.3	6.3	6.4	3.7	4.5	5	4	49	49	822259	809849	0.2	0.8	0.2	0.8			
						4.4	0.5	276	25.2	25.2	8.0	8.0	30.0	30.0	92.4	92.6	6.4	6.4	4.0	4.0	4	4	86	86	822259	809849	0.2	0.8	0.2	0.8			
					Middle	4.4	0.5	280	25.2	25.2	8.0	8.0	30.0	30.0	92.7	92.6	6.4	6.4	4.0	4.0	4	4	86	86	822259	809849	0.2	0.8	0.2	0.8			
						7.8	0.4	301	25.2	25.2	8.0	8.0	30.0	30.0	94.9	95.1	6.6	6.6	5.8	5.7	4	4	89	89	822259	809849	<0.2	0.8	<0.2	0.9			
						7.8	0.4	293	25.2	25.2	8.0	8.0	30.0	30.0	95.2	95.1	6.6	6.6	5.7	5.7	4	4	89	89	822259	809849	<0.2	0.8	<0.2	0.9			
IM11	Fine	Moderate	08:42	8.0	Surface	1.0	0.5	287	25.2	25.2	8.0	8.0	30.0	30.0	90.0	90.1	6.3	6.4	4.9	5.6	4	5	52	52	821520	810546	<0.2	0.7	<0.2	0.7			
						1.0	0.5	283	25.2	25.2	8.0	8.0	30.0	30.0	90.1	90.1	6.3	6.4	4.9	5.6	5	4	52	52	821520	810546	<0.2	0.7	<0.2	0.7			
						4.0	0.4	287	25.1	25.1	8.0	8.0	30.0	30.0	91.4	91.5	6.4	6.4	5.2	5.2	4	5	87	87	821520	810546	<0.2	0.7	<0.2	0.7			
					Middle	4.0	0.4	288	25.1	25.1	8.0	8.0	30.0	30.0	91.6	91.5	6.4	6.4	5.2	5.2	4	5	87	87	821520	810546	<0.2	0.7	<0.2	0.7			
						7.0	0.4	278	25.1	25.1	8.0	8.0	30.0	30.0	93.9	94.1	6.5	6.5	6.6	6.5	5	5	90	90	821520	810546	0.2	0.7	0.2	0.7			
						7.0	0.4	270	25.1	25.1	8.0	8.0	30.0	30.0	94.2	94.1	6.5	6.5	6.5	6.5	5	5	90	90	821520	810546	0.2	0.7	0.2	0.6			
IM12	Fine	Moderate	08:36	9.4	Surface	1.0	0.5	288	25.2	25.2	8.0	8.0	30.0	30.0	89.2	89.2	6.2	6.2	2.2	3.3	4	4	45	46	821185	811538	0.2	0.6	0.2	0.6			
						1.0	0.5	282	25.2	25.2	8.0	8.0	30.0	30.0	89.2	89.2	6.2	6.2	2.2	3.3	4	4	46	46	821185	811538	0.2	0.6	0.2	0.6			
						4.7	0.5	289	25.2	25.2	8.0	8.0	30.0	30.0	89.7	89.8	6.2	6.2	3.5	3.5	4	4	86	86	821185	811538	<0.2	0.7	<0.2	0.7			
					Middle	4.7	0.6	282	25.2	25.2	8.0	8.0	30.0	30.0	89.8	89.8	6.2	6.2	3.5	3.5	4	4	86	86	821185	811538	<0.2	0.7	<0.2	0.7			
						8.4	0.5	277	25.2	25.2	8.0	8.0	30.0	30.0	90.5	90.6	6.3	6.3	4.1	4.1	4	4	87	87	821185	811538	0.2	0.7	0.2	0.7			
						8.4	0.5	272	25.2	25.2	8.0	8.0	30.0	30.0	90.6	90.6	6.3	6.3	4.1	4.1	4	4	87	87	821185	811538	0.2	0.7	0.2	0.8			
SR1A	Fine	Moderate	08:16	4.0	Surface	1.0	0.0	198	24.9	24.9	8.0	8.0	29.8	29.8	92.8	93.0	6.5	6.5	5.1	6.0	4	4	-	-	819975	812653	-	-	-	-			
						1.0	0.0	199	24.9	24.9	8.0	8.0	29.8	29.8	93.2	93.0	6.5	6.5	5.1	6.0	4	4	-	-	819975	812653	-	-	-	-			
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812653	-	-	-	-
						3.0	0.0	218	24.9	24.9	8.0	8.0	29.7	29.7	99.6	100.1	7.0	7.0	6.8	6.9	4	4	-	-	-	-	819975	812653	-	-	-	-	
						3.0	0.1	221	24.9	24.9	8.0	8.0	29.7	29.7	100.5	100.5	7.0	7.0	6.9	6.9	4	4	-	-	-	-	819975	812653	-	-	-	-	
SR2	Fine	Moderate	08:02	4.6	Surface	1.0	0.1	232	25.1	25.1	8.0	8.0	30.1	30.1	91.8	92.0	6.4	6.4	4.3	4.8	5	4	43	44	821446	814156	0.2	0.7	0.2	0.6			
						1.0	0.1	231	25.1	25.1	8.0	8.0	30.1	30.1	92.2	92.0	6.4	6.4	4.2	4.8	4	4	44	44	821446	814156	0.2	0.6	0.2	0.6			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821446	814156	0.2	0.6	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821446	814156	0.2	0.6	-	-
						3.6	0.2	209	25.0	25.0	8.0	8.0	30.1	30.1	94.1	94.3	6.6	6.6	5.4	5.4	4	4	87	87	821446	814156	0.2	0.7	0.2	0.6			
						3.6	0.1	206	25.0	25.0	8.0	8.0	30.1	30.1	94.4	94.3	6.6	6.6	5.4	5.4	4	4	87	87	821446	814156	0.2	0.6	0.2	0.6			
SR3	Fine	Moderate	09:06	8.6	Surface	1.0	0.4	354	25.1	25.1	8.0	8.0	29.6	29.7	89.9	90.0	6.3	6.3	3.6	5.0	4	4	-	-	822136	807549	-	-	-	-			
						1.0	0.4	348	25.1	25.1	8.0	8.0	29.7	29.7	90.0	90.0	6.3	6.3	3.6	5.0	4	4	-	-	822136	807549	-	-	-	-			
						4.3	0.4	327	24.9	24.9	8.0	8.0	30.1	30.1	90.0	90.0	6.3	6.3	5.3	5.2	4	4	-	-	822136	807549	-	-	-	-			
					Middle	4.3	0.4	327	24.9	24.9	8.0	8.0	30.1	30.1	90.0	90.0	6.3	6.3	5.2	5.2	4	4	-	-	-	-	822136	807549	-	-	-	-	
						7.6	0.4	345	24.9	24.9	8.0	8.0	30.3	30.3	90.2	90.3	6.3	6.3	6.0	6.0	4	4	-	-	-	-	822136	807549	-	-	-	-	
						7.6	0.3	347	24.9	24.9	8.0	8.0	30.3	30.3	90.4	90.3	6.3	6.3	6.0	6.0	5	5	-	-	-	-	822136	807549	-	-	-	-	
SR4A	Fine	Moderate	07:21	9.2	Surface	1.0	0.0	200	24.2	24.2	8.2	8.2	30.7	30.7	85.6	85.6	6.0	6.1	4.1	4.2	5	5	-	-	817195	807825	-	-	-	-			
						1.0	0.0	192	24.2	24.2	8.2	8.2	30.7	30.7	85.6	85.6	6.0	6.0	4.2	4.2	4	4	-	-	817195	807825	-	-	-	-			
						4.6	0.0	217	24.2	24.2	8.2	8.2	30.7	30.7	86.1	86.2	6.1	6.1	3.9	4.0	4	5	-	-	817195	807825	-	-	-	-			
					Middle	4.6	0.0	220	24.2	24.2	8.2	8.2	30.7	30.7	86.3	86.2	6.1	6.1	4.0	4.0	4	5	-	-	-	-	817195	807825	-	-	-	-	
						8.2	0.0	212	24.1	24.1	8.2	8.2	30.7	30.7	87.3	87.4	6.2	6.2	4.4	4.4	5	5	-	-	-	-	817195	807825	-	-	-	-	
						8.2	0.0	205	24.1	24.1	8.2	8.2	30.7	30.7	87.5	8																	

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	14:40	8.1	Surface	1.0	0.1	210	23.9	23.9	8.2	8.2	29.7	29.7	87.7	87.8	6.3	6.4	10.2	10.2	8	8	84	85	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
						1.0	0.1	211	23.9	23.9	8.2	8.2	29.7	29.7	87.8	87.8	6.3	6.3	10.2	10.2	8	8	85	85	87	87	88	88	815607	804242	<0.2	<0.2	0.5	0.6
						4.1	0.1	202	23.9	23.9	8.2	8.2	29.4	29.4	88.9	89.0	6.4	6.4	13.8	13.4	7	8	87	88	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
					Middle	4.1	0.0	203	23.9	23.9	8.2	8.2	29.4	29.4	89.0	89.0	6.4	6.4	13.4	13.4	8	8	88	88	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
						7.1	0.1	204	23.9	23.9	8.2	8.2	29.5	29.5	90.5	90.5	6.5	6.5	12.5	12.5	9	9	89	89	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
						7.1	0.2	197	23.9	23.9	8.2	8.2	29.4	29.5	90.7	90.6	6.6	6.6	12.8	12.8	10	10	89	89	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
					Bottom	7.1	0.1	204	23.9	23.9	8.2	8.2	29.5	29.5	90.5	90.5	6.5	6.5	12.5	12.5	9	9	89	89	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
						7.1	0.2	197	23.9	23.9	8.2	8.2	29.4	29.5	90.7	90.6	6.6	6.6	12.8	12.8	10	10	89	89	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
						7.1	0.2	197	23.9	23.9	8.2	8.2	29.4	29.5	90.7	90.6	6.6	6.6	12.8	12.8	10	10	89	89	87	88	815607	804242	<0.2	<0.2	0.5	0.6		
C2	Fine	Rough	13:16	9.2	Surface	1.0	0.1	359	24.8	24.8	8.0	8.0	28.7	28.7	95.8	96.0	6.7	6.8	2.3	2.3	7	7	46	45	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
						1.0	0.1	3	24.8	24.8	7.9	7.9	28.7	28.7	96.1	96.2	6.8	6.8	2.3	2.3	8	8	45	45	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
						4.6	0.2	7	24.8	24.8	7.9	7.9	28.7	28.7	97.0	97.2	6.8	6.8	3.5	3.6	7	7	81	81	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
					Middle	4.6	0.1	3	24.8	24.8	7.9	7.9	28.7	28.7	97.3	97.2	6.9	6.9	3.6	3.6	8	8	81	81	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
						8.2	0.2	327	24.8	24.8	7.9	7.9	28.8	28.8	98.3	98.6	6.9	7.0	3.8	3.7	6	6	90	90	81	81	825704	806960	<0.2	<0.2	0.8	0.8		
						8.2	0.2	325	24.8	24.8	7.9	7.9	28.7	28.7	98.8	98.6	7.0	7.0	3.7	3.7	5	5	90	90	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
					Bottom	8.2	0.2	327	24.8	24.8	7.9	7.9	28.8	28.8	98.3	98.6	6.9	7.0	3.8	3.7	6	6	90	90	81	81	825704	806960	<0.2	<0.2	0.8	0.8		
						8.2	0.2	325	24.8	24.8	7.9	7.9	28.7	28.7	98.8	98.6	7.0	7.0	3.7	3.7	5	5	90	90	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
						8.2	0.2	325	24.8	24.8	7.9	7.9	28.7	28.7	98.8	98.6	7.0	7.0	3.7	3.7	5	5	90	90	81	81	825704	806960	<0.2	<0.2	0.9	0.9		
C3	Fine	Rough	14:42	8.0	Surface	1.0	0.1	81	25.3	25.3	8.0	8.0	31.0	31.0	89.5	89.6	6.2	6.2	2.1	2.1	7	7	49	49	83	83	822111	817823	<0.2	<0.2	0.8	0.8		
						1.0	0.1	83	25.3	25.3	8.0	8.0	31.0	31.0	89.7	89.7	6.2	6.2	2.1	2.1	8	8	49	49	83	83	822111	817823	<0.2	<0.2	0.8	0.8		
						4.0	0.2	65	25.3	25.3	8.0	8.0	31.0	31.0	90.5	90.7	6.2	6.2	3.2	3.2	8	8	83	83	83	83	822111	817823	<0.2	<0.2	0.9	0.9		
					Middle	4.0	0.1	64	25.3	25.3	8.0	8.0	31.0	31.0	90.9	90.7	6.3	6.3	3.2	3.2	7	7	83	83	83	83	822111	817823	<0.2	<0.2	0.9	0.9		
						7.0	0.1	81	25.3	25.3	8.0	8.0	31.0	31.0	92.7	94.7	6.4	6.6	4.1	4.1	7	7	85	85	83	83	822111	817823	<0.2	<0.2	0.9	0.9		
						7.0	0.2	83	25.3	25.3	8.0	8.0	31.0	31.0	96.7	94.7	6.7	6.7	4.1	4.1	6	6	85	85	83	83	822111	817823	<0.2	<0.2	1.0	1.0		
					Bottom	7.0	0.1	81	25.3	25.3	8.0	8.0	31.0	31.0	92.7	94.7	6.4	6.6	4.1	4.1	7	7	85	85	83	83	822111	817823	<0.2	<0.2	0.9	0.9		
						7.0	0.2	83	25.3	25.3	8.0	8.0	31.0	31.0	96.7	94.7	6.7	6.7	4.1	4.1	6	6	85	85	83	83	822111	817823	<0.2	<0.2	1.0	1.0		
						7.0	0.2	83	25.3	25.3	8.0	8.0	31.0	31.0	96.7	94.7	6.7	6.7	4.1	4.1	6	6	85	85	83	83	822111	817823	<0.2	<0.2	1.0	1.0		
IM1	Cloudy	Rough	15:01	6.3	Surface	1.0	0.1	181	24.3	24.3	8.1	8.1	29.0	29.0	86.7	86.7	6.3	6.3	10.2	10.2	8	8	85	84	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
						1.0	0.1	182	24.3	24.3	8.1	8.1	29.0	29.0	86.7	86.7	6.3	6.3	10.2	10.2	8	8	84	84	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
						3.2	0.1	191	24.3	24.3	8.1	8.1	29.1	29.1	87.9	88.0	6.3	6.3	13.9	13.9	8	8	86	86	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
					Middle	3.2	0.1	191	24.3	24.3	8.1	8.1	29.1	29.1	88.1	88.0	6.3	6.3	13.9	13.9	8	8	88	88	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
						5.3	0.0	155	24.3	24.3	8.1	8.1	29.0	29.0	89.7	89.8	6.5	6.5	12.9	12.9	6	6	89	89	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
						5.3	0.1	155	24.3	24.3	8.1	8.1	29.0	29.0	89.9	89.8	6.5	6.5	12.4	12.4	7	7	88	88	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
					Bottom	5.3	0.0	155	24.3	24.3	8.1	8.1	29.0	29.0	89.7	89.8	6.5	6.5	12.9	12.9	6	6	89	89	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
						5.3	0.1	155	24.3	24.3	8.1	8.1	29.0	29.0	89.9	89.8	6.5	6.5	12.4	12.4	7	7	88	88	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
						5.3	0.1	155	24.3	24.3	8.1	8.1	29.0	29.0	89.9	89.8	6.5	6.5	12.4	12.4	7	7	88	88	86	86	818349	806443	<0.2	<0.2	0.6	0.6		
IM2	Cloudy	Rough	15:12	6.7	Surface	1.0	0.1	171	24.2	24.2	8.1	8.1	29.3	29.3	88.2	88.2	6.4	6.4	11.6	11.6	7	7	84	85	86	86	818856	806216	<0.2	<0.2	0.5	0.6		
						1.0	0.0	174	24.2	24.2	8.1	8.1	29.3	29.3	88.2	88.2	6.4	6.4	11.2	11.2	8	8	85	85	86	86	818856	806216	<0.2	<0.2	0.5	0.6		
						3.4	0.0	192	24.2	24.2	8.1	8.1	29.4	29.4	89.0	89.1	6.4	6.4	7.5	7.6	8	8	86	86	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
					Middle	3.4	0.1	189	24.2	24.2	8.1	8.1	29.4	29.4	89.1	89.1	6.4	6.4	7.6	7.6	9	9	85	85	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
						5.7	0.1	200	24.2	24.2	8.1	8.1	29.4	29.4	89.6	89.7	6.5	6.5	7.8	7.8	8	8	89	89	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
						5.7	0.1	195	24.2	24.2	8.1	8.1	29.3	29.4	89.7	89.7	6.5	6.5	7.6	7.6	9	9	90	90	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
					Bottom	5.7	0.1	200	24.2	24.2	8.1	8.1	29.4	29.4	89.6	89.7	6.5	6.5	7.8	7.8	8	8	89	89	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
						5.7	0.1	195	24.2	24.2	8.1	8.1	29.3	29.4	89.7	89.7	6.5	6.5	7.6	7.6	9	9	90	90	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
						5.7	0.1	195	24.2	24.2	8.1	8.1	29.3	29.4	89.7	89.7	6.5	6.5	7.6	7.6	9	9	90	90	86	86	818856	806216	<0.2	<0.2	0.6	0.6		
IM3	Cloudy	Rough	15:21	6.9	Surface	1.0	0.1	184	24.3	24.3	8.1	8.1	29.0	29.0	87.9	88.0	6.3	6.4	11.2	11.2	7	7	84	84	86	86	819410	805995	<0.2	<0.2	0.5	0.5		
						1.0	0.2	188	24.3	24.3	8.1	8.1	29.0	29.0	88.0	88.0	6.3	6.3	11.7	11.7	8	8	84	84	86	86	819410	805995	<0.2	<0.2	0.5	0.5		
						3.5	0.1	202	24.3	24.3	8.1	8.1	29.0	29.0	88.5	88.6	6.4	6																

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
IM9	Fine	Rough	13:31	8.6	Surface	1.0	0.1	6	24.7	24.7	8.0	8.0	30.1	30.1	91.5	91.6	6.4	6.6	4.2	6.1	6	7	84	88	-	-	<0.2	0.9									
						1.0	0.0	8	24.7	24.7	8.0	8.0	30.1	30.1	91.6	91.6	6.4	6.6	4.2	6.1	7	7	85	88	-	-	<0.2	0.8									
						4.3	0.1	36	24.7	24.7	8.0	8.0	30.3	30.3	95.7	95.9	6.7	6.9	6.3	6.1	7	7	88	88	-	-	<0.2	0.8									
					Middle	4.3	0.1	28	24.7	24.7	8.0	8.0	30.3	30.3	96.0	96.0	6.7	6.7	6.3	6.3	8	8	89	87	-	-	<0.2	0.8									
						7.6	0.1	359	24.7	24.7	8.0	8.0	30.4	30.4	97.6	98.0	6.8	6.9	7.9	7.9	8	8	89	89	-	-	<0.2	0.8									
						7.6	0.1	5	24.7	24.7	8.0	8.0	30.4	30.4	98.4	98.4	6.9	6.9	7.9	7.9	8	8	90	90	-	-	<0.2	0.8									
					IM10	Fine	Rough	13:40	7.8	Surface	1.0	0.0	5	24.8	24.8	8.0	8.0	30.3	30.3	91.9	92.0	6.4	6.5	6.1	7.1	8	8	50	50	-	-	<0.2	0.9				
											1.0	0.0	357	24.8	24.8	8.0	8.0	30.3	30.3	92.1	92.1	6.4	6.5	6.1	6.1	7	7	50	50	-	-	<0.2	0.9				
											3.9	0.0	6	24.8	24.8	8.0	8.0	30.3	30.3	94.7	95.1	6.6	6.7	7.1	7.0	8	8	87	87	-	-	<0.2	0.9				
Middle	3.9	-	0	24.8						24.8	8.0	8.0	30.3	30.3	95.4	95.4	6.7	6.7	7.0	7.0	8	8	87	87	-	-	<0.2	0.9									
	6.8	0.0	2	24.8						24.8	8.0	8.0	30.3	30.3	97.5	97.9	6.8	6.9	8.1	8.0	9	9	89	89	-	-	<0.2	0.9									
	6.8	0.0	7	24.8						24.8	8.0	8.0	30.3	30.3	98.3	98.3	6.9	6.9	8.0	8.0	9	9	89	89	-	-	<0.2	0.9									
IM11	Fine	Rough	13:45	8.2						Surface	1.0	0.0	1	24.8	24.8	8.0	8.0	30.4	30.4	91.2	91.3	6.4	6.4	3.6	4.4	8	8	61	61	-	-	<0.2	0.9				
											1.0	0.0	1	24.8	24.8	8.0	8.0	30.4	30.4	91.4	91.4	6.4	6.4	3.5	4.2	7	7	61	61	-	-	<0.2	0.8				
											4.1	0.1	337	24.7	24.7	8.0	8.0	30.4	30.4	92.0	92.1	6.4	6.4	4.2	4.2	8	8	77	77	-	-	<0.2	1.0				
					Middle	4.1	0.1	340	24.7	24.7	8.0	8.0	30.4	30.4	92.2	92.1	6.4	6.4	4.2	4.2	9	9	77	77	-	-	<0.2	0.9									
						7.2	0.0	6	24.7	24.7	8.0	8.0	30.4	30.4	98.0	98.3	6.8	6.9	5.4	5.4	8	8	83	83	-	-	<0.2	0.8									
						7.2	0.0	9	24.7	24.7	8.0	8.0	30.4	30.4	98.6	98.6	6.9	6.9	5.4	5.4	9	9	83	83	-	-	<0.2	0.7									
					IM12	Fine	Rough	13:51	10.0	Surface	1.0	0.1	42	24.8	24.8	8.0	8.0	30.4	30.4	91.2	91.3	6.3	6.4	6.1	7.3	8	8	46	46	-	-	<0.2	0.9				
											1.0	0.0	49	24.8	24.8	8.0	8.0	30.3	30.3	92.1	92.1	6.4	6.4	6.0	6.0	8	8	46	46	-	-	<0.2	0.9				
											5.0	0.0	45	24.7	24.7	8.0	8.0	30.4	30.4	92.1	92.1	6.4	6.4	7.7	7.7	6	6	84	84	-	-	<0.2	0.9				
Middle	5.0	0.0	42	24.7						24.7	8.0	8.0	30.4	30.4	92.1	92.1	6.4	6.4	7.7	7.7	6	6	84	84	-	-	<0.2	0.8									
	9.0	0.0	22	24.7						24.7	8.0	8.0	30.3	30.3	98.1	98.3	6.9	6.9	8.2	8.3	6	6	86	86	-	-	<0.2	0.9									
	9.0	0.0	27	24.7						24.7	8.0	8.0	30.3	30.3	98.4	98.3	6.9	6.9	8.3	8.3	7	7	87	87	-	-	<0.2	0.8									
SR1A	Fine	Rough	14:11	4.2						Surface	1.0	0.0	23	24.6	24.6	8.0	8.0	30.3	30.3	91.2	93.2	6.4	6.6	4.3	4.5	5	6	-	-	-	-	-	-	-	-		
											1.0	-	26	24.6	24.6	8.0	8.0	30.3	30.3	95.1	95.1	6.7	6.8	4.3	4.3	6	6	-	-	-	-	-	-	-	-	-	-
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	-	-	-	-	-	-
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	-	-	-	-	-	-	-				
						3.2	0.0	35	24.6	24.6	8.0	8.0	30.3	30.3	96.6	97.0	6.8	6.8	4.6	4.6	7	7	-	-	-	-	-	-	-	-	-	-	-				
						3.2	0.0	38	24.6	24.6	8.0	8.0	30.3	30.3	97.3	97.3	6.8	6.8	4.6	4.6	7	7	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Fine	Rough	14:22	5.0	Surface	1.0	0.1	58	24.8	24.8	8.0	8.0	30.4	30.4	95.8	96.0	6.7	6.7	4.4	4.8	6	7	72	72	-	-	<0.2	0.8				
											1.0	0.2	58	24.8	24.8	8.0	8.0	30.4	30.4	96.1	96.1	6.7	6.7	4.4	4.4	6	6	72	72	-	-	<0.2	0.7				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	-	-	-	-	<0.2	0.8		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	-	-	-	-	<0.2	0.8							
	4.0	0.1	29	24.8						24.8	8.0	8.0	30.4	30.4	98.9	99.4	6.9	7.0	5.1	5.1	9	9	91	91	-	-	<0.2	0.8									
	4.0	0.1	27	24.8						24.8	8.0	8.0	30.4	30.4	99.9	99.9	7.0	7.0	5.1	5.1	8	8	91	91	-	-	<0.2	0.9									
SR3	Fine	Rough	13:19	7.6						Surface	1.0	0.1	11	24.9	24.9	8.0	8.0	28.7	28.7	91.0	91.1	6.4	6.5	3.2	4.5	7	7	-	-	-	-	-	-	-	-		
											1.0	0.1	14	24.9	24.9	8.0	8.0	28.7	28.7	91.1	91.1	6.4	6.5	3.2	3.2	6	6	-	-	-	-	-	-	-	-	-	-
											3.8	0.1	351	24.9	24.9	8.0	8.0	28.7	28.7	92.2	92.5	6.5	6.5	4.6	4.5	6	6	-	-	-	-	-	-	-	-	-	-
					Middle	3.8	0.2	344	24.9	24.9	8.0	8.0	28.7	28.7	92.8	92.8	6.5	6.5	4.5	4.5	7	7	-	-	-	-	-	-	-	-	-	-	-				
						6.6	0.1	356	24.8	24.8	8.0	8.0	28.7	28.7	95.1	95.3	6.7	6.7	5.8	5.7	7	7	-	-	-	-	-	-	-	-	-	-	-				
						6.6	0.1	359	24.8	24.8	8.0	8.0	28.7	28.7	95.4	95.4	6.7	6.7	5.7	5.7	8	8	-	-	-	-	-	-	-	-	-	-	-				
					SR4A	Cloudy	Rough	14:12	8.6	Surface	1.0	0.0	108	24.0	24.0	8.2	8.2	29.9	29.9	87.1	87.1	6.3	6.3	13.8	12.7	7	8	-	-	-	-	-	-	-	-		
											1.0	0.1	100	24.0	24.0	8.2	8.2	29.9	29.9	87.1	87.1	6.3	6.3	13.9	13.9	8	8	-	-	-	-	-	-	-	-	-	-
											4.3	0.0	113	24.0	24.0	8.2	8.2	29.9	29.9	87.3	87.3	6.3	6.3	11.2	11.3	8	8	-	-	-	-	-	-	-	-	-	-
Middle	4.3	0.0	116	24.0						24.0	8.2	8.2	29.9	29.9	87.3	87.3	6.3	6.3	11.3	11.3	8	8	-	-	-	-	-	-	-	-	-	-	-				
	7.6	0.0	119	23.9						23.9	8.2	8.2	30.0	30.0	89.7	89.9	6.5	6.5	12.8	12.9	8	8	-	-	-	-	-	-	-	-	-	-	-				
	7.6	0.1	114	23.9						23.9	8.2	8.2	30.0	30.0	90.0	90.0	6.5	6.5	12.9	12.9	8	8	-	-	-	-	-	-	-	-	-	-	-				
SR5A	Cloudy	Rough	13:40	3.6						Surface	1.0	0.1	118	24.1	24.1	8.1	8.1	29.4	29.4	82.9	82.9	6.0	6.0	12.9	11.0	8	9	-	-	-	-	-	-	-	-		
											1.0	0.1	117	24.1	24.1	8.1	8.1	29.4	29.4	82.9	82.9	6.0	6.0	13.0	13.0	9	9	-	-	-	-	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	-	-	-	-	-	-	-	-				
						2.6	0.1	118	24.1	24.1	8.2	8.2	29.4	29.4	83.1	83.1	6.0	6.0	9.0	9.0	8	8	-	-	-	-	-	-	-	-	-	-	-				
						2.6	0.0	116	24.1	24.1	8.2	8.2	29.3	29.3	83.1	83.1	6.0	6.0	9.0	9.0	9	9	-	-	-	-	-	-	-	-	-	-	-				
					SR6	Cloudy	Rough	13:14	4.8	Surface	1.0	0.0	73	24.1	24.1	8.2	8.2	29.4	29.4	83.6	83.7	6.0	6.0	9.0	9.5	9	8	-	-	-	-	-	-	-	-		
											1.0	0.0	77	24.1	24.1	8.2	8.2	29.4	29.4	83.7	83.7	6.0	6.0	9.1	9.1	8	8	-	-	-	-	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	8	8	-	-	-	-	-	-	-	-	-				
	3.8	0.0	95	24.1						24.1	8.2	8.2	29.4	29.4	84.9	85.0	6.1	6.1	9.9																		

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Rough	09:57	8.2	Surface	1.0	0.4	27	24.1	24.1	8.2	8.2	30.1	30.1	87.1	87.1	6.2	6.2	8.2	8	8	83	86	86	86	815602	804229	<0.2	<0.2	1.0	0.7		
						1.0	0.4	23	24.1	24.1	8.2	8.2	30.1	30.1	86.2	86.2	6.2	6.2	8.2	8	8	84	86	84	86	815602	804229	<0.2	<0.2	1.1	0.5		
						4.1	0.5	48	24.1	24.1	8.2	8.2	30.5	30.5	86.3	86.4	6.1	6.1	9.4	8	8	86	86	86	86	815602	804229	<0.2	<0.2	0.5	0.5		
					Middle	4.1	0.4	40	24.1	24.1	8.2	8.2	30.5	30.5	86.4	86.4	6.1	6.1	9.6	8	8	87	87	87	87	86	86	815602	804229	<0.2	<0.2	0.5	0.5
						7.2	0.4	47	24.1	24.1	8.2	8.2	30.6	30.6	87.3	87.3	6.2	6.2	14.3	9	9	88	88	88	88	86	86	815602	804229	<0.2	<0.2	0.5	0.5
						7.2	0.4	43	24.1	24.1	8.2	8.2	30.6	30.6	87.6	87.6	6.2	6.2	14.3	9	9	89	89	89	89	86	86	815602	804229	<0.2	<0.2	0.5	0.5
C2	Fine	Rough	10:21	9.8	Surface	1.0	0.4	337	24.9	24.9	8.0	8.0	28.8	28.9	89.2	89.3	6.3	6.3	4.3	8	8	52	77	77	77	825693	806948	<0.2	<0.2	0.7	0.8		
						1.0	0.4	331	24.9	24.9	8.0	8.0	28.9	28.9	89.3	89.3	6.3	6.3	4.3	8	8	52	77	77	77	825693	806948	<0.2	<0.2	0.8	0.8		
						4.9	0.4	350	24.9	24.9	8.0	8.0	29.0	29.0	89.8	89.8	6.3	6.3	4.6	9	9	90	90	90	90	825693	806948	<0.2	<0.2	0.8	0.8		
					Middle	4.9	0.4	350	24.9	24.9	8.0	8.0	29.0	29.0	90.0	90.0	6.3	6.3	4.7	8	8	90	90	90	90	825693	806948	<0.2	<0.2	0.8	0.8		
						8.8	0.3	357	24.9	24.9	8.0	8.0	28.9	28.9	91.2	91.2	6.4	6.4	5.7	8	8	89	89	89	89	825693	806948	<0.2	<0.2	0.9	0.9		
						8.8	0.3	358	24.9	24.9	8.0	8.0	28.8	28.8	91.5	91.5	6.4	6.4	5.7	8	8	89	89	89	89	825693	806948	<0.2	<0.2	0.8	0.8		
C3	Fine	Moderate	08:54	9.0	Surface	1.0	0.5	266	25.0	25.0	8.0	8.0	30.4	30.4	89.4	89.5	6.2	6.3	4.2	6	6	43	70	70	70	822127	817780	<0.2	<0.2	0.8	0.8		
						1.0	0.5	272	25.0	25.0	8.0	8.0	30.4	30.4	89.5	89.5	6.2	6.3	4.1	7	7	43	70	70	70	822127	817780	<0.2	<0.2	0.9	0.8		
						4.5	0.5	269	25.0	25.0	8.0	8.0	30.4	30.4	90.2	90.3	6.3	6.3	6.9	7	7	79	79	79	79	822127	817780	<0.2	<0.2	0.9	0.8		
					Middle	4.5	0.5	267	25.0	25.0	8.0	8.0	30.4	30.4	90.4	90.3	6.3	6.3	6.8	7	7	79	79	79	79	822127	817780	<0.2	<0.2	0.9	0.8		
						8.0	0.5	252	25.0	25.0	8.0	8.0	30.5	30.5	92.6	92.6	6.4	6.4	7.1	7	7	87	87	87	87	822127	817780	<0.2	<0.2	0.7	0.7		
						8.0	0.5	248	25.0	25.0	8.0	8.0	30.5	30.5	93.3	94.5	6.7	6.6	7.0	7	7	87	87	87	87	822127	817780	<0.2	<0.2	0.8	0.8		
IM1	Cloudy	Rough	09:34	6.4	Surface	1.0	0.2	24	24.1	24.1	8.2	8.2	29.9	29.9	86.7	86.7	6.1	6.2	13.2	7	7	83	86	86	86	818349	806446	<0.2	<0.2	0.5	0.5		
						1.0	0.2	20	24.1	24.1	8.2	8.2	29.9	29.9	86.7	86.7	6.1	6.2	13.3	8	8	84	86	86	86	818349	806446	<0.2	<0.2	0.5	0.5		
						3.2	0.2	13	24.1	24.1	8.2	8.2	29.9	29.9	87.9	88.0	6.2	6.2	9.0	8	8	86	86	86	86	818349	806446	<0.2	<0.2	0.5	0.5		
					Middle	3.2	0.2	20	24.1	24.1	8.2	8.2	29.9	29.9	88.1	88.0	6.2	6.2	8.3	8	8	87	87	87	87	86	86	818349	806446	<0.2	<0.2	0.6	0.6
						5.4	0.2	28	24.1	24.1	8.2	8.2	29.9	29.9	89.7	89.8	6.4	6.4	7.2	9	9	88	88	88	88	86	86	818349	806446	<0.2	<0.2	0.5	0.5
						5.4	0.2	31	24.1	24.1	8.2	8.2	29.9	29.9	89.9	89.9	6.4	6.4	7.8	9	9	87	87	87	87	86	86	818349	806446	<0.2	<0.2	0.4	0.4
IM2	Cloudy	Rough	09:22	6.8	Surface	1.0	0.2	354	24.0	24.0	8.2	8.2	29.7	29.7	87.0	87.0	6.2	6.2	9.5	7	7	83	86	86	86	818855	806190	<0.2	<0.2	0.5	0.5		
						1.0	0.2	356	24.0	24.0	8.2	8.2	29.7	29.7	87.0	87.0	6.2	6.2	9.5	8	8	83	86	86	86	818855	806190	<0.2	<0.2	0.5	0.5		
						3.4	0.2	340	24.0	24.0	8.2	8.2	29.8	29.8	87.8	87.8	6.2	6.2	11.8	8	8	85	85	85	85	818855	806190	<0.2	<0.2	0.5	0.5		
					Middle	3.4	0.1	337	24.0	24.0	8.2	8.2	29.7	29.8	87.9	87.9	6.2	6.2	11.2	7	7	87	87	87	87	86	86	818855	806190	<0.2	<0.2	0.5	0.5
						5.8	0.2	336	24.0	24.0	8.2	8.2	29.7	29.7	88.4	88.5	6.3	6.3	11.6	7	7	88	88	88	88	86	86	818855	806190	<0.2	<0.2	0.4	0.4
						5.8	0.2	342	24.0	24.0	8.2	8.2	29.7	29.7	88.5	88.5	6.3	6.3	11.2	7	7	88	88	88	88	86	86	818855	806190	<0.2	<0.2	0.5	0.5
IM3	Cloudy	Rough	09:10	7.2	Surface	1.0	0.2	345	24.1	24.1	8.2	8.2	29.9	29.9	86.7	86.8	6.2	6.2	11.6	8	8	84	86	86	86	819400	806018	<0.2	<0.2	0.5	0.5		
						1.0	0.2	341	24.1	24.1	8.2	8.2	29.9	29.9	86.8	86.8	6.2	6.2	11.6	7	7	84	86	86	86	819400	806018	<0.2	<0.2	0.4	0.4		
						3.6	0.2	347	24.1	24.1	8.2	8.2	29.9	29.9	87.3	87.4	6.2	6.2	11.9	7	7	87	87	87	87	819400	806018	<0.2	<0.2	0.5	0.5		
					Middle	3.6	0.3	343	24.1	24.1	8.2	8.2	29.9	29.9	87.4	87.4	6.2	6.2	11.6	8	8	87	87	87	87	86	86	819400	806018	<0.2	<0.2	0.5	0.5
						6.2	0.2	357	24.1	24.1	8.2	8.2	29.9	29.9	88.0	88.0	6.2	6.2	14.3	9	9	88	88	88	88	86	86	819400	806018	<0.2	<0.2	0.5	0.5
						6.2	0.2	355	24.1	24.1	8.2	8.2	29.9	29.9	88.0	88.0	6.2	6.2	14.3	8	8	89	89	89	89	86	86	819400	806018	<0.2	<0.2	0.5	0.5
IM4	Cloudy	Rough	09:01	7.0	Surface	1.0	0.2	335	24.2	24.2	8.1	8.1	29.7	29.7	86.5	86.6	6.1	6.1	9.9	8	8	84	86	86	86	819582	805023	<0.2	<0.2	0.5	0.6		
						1.0	0.2	333	24.2	24.2	8.1	8.1	29.7	29.7	86.6	86.6	6.1	6.1	9.3	8	8	84	86	86	86	819582	805023	<0.2	<0.2	0.6	0.6		
						3.5	0.3	351	24.2	24.2	8.1	8.1	29.7	29.7	86.3	86.3	6.1	6.1	10.9	9	9	87	87	87	87	819582	805023	<0.2	<0.2	0.5	0.5		
					Middle	3.5	0.3	347	24.2	24.2	8.1	8.1	29.7	29.7	86.2	86.2	6.1	6.1	11.4	8	8	85	85	85	85	86	86	819582	805023	<0.2	<0.2	0.6	0.6
						6.0	0.3	354	24.2	24.2	8.1	8.1	29.7	29.7	86.0	86.0	6.1	6.1	11.6	9	9	88	88	88	88	86	86	819582	805023	<0.2	<0.2	0.5	0.5
						6.0	0.3	350	24.2	24.2	8.1	8.1	29.7	29.7	86.0	86.0	6.1	6.1	11.2	8	8	88	88	88	88	86	86	819582	805023	<0.2	<0.2	0.6	0.6
IM5	Cloudy	Rough	08:50	7.9	Surface	1.0	0.4	326	24.2	24.2	8.1	8.1	29.7	29.7	86.8	86.9	6.2	6.2	8.7	7	7	83	86	86	86	820561	804944	<0.2	<0.2	0.4	0.5		
						1.0	0.4	320	24.2	24.2	8.1	8																					

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Rough	09:57	8.2	Surface	1.0	0.3	292	24.8	24.8	8.0	8.0	28.6	28.6	92.6	92.8	6.5	6.6	3.2	4.2	5	6	85	88	88	822081	808800	<0.2	0.8	<0.2	0.8		
						1.0	0.2	295	24.8	24.8	8.0	8.0	28.6	28.6	92.9	95.6	6.5	6.6	3.2	4.1	5	6	85	88	88			<0.2	0.7	<0.2	0.8		
						4.1	0.3	289	24.8	24.8	8.0	8.0	28.6	28.6	95.4	95.6	6.7	6.8	4.1	4.1	6	6	88	87	86			<0.2	0.8	<0.2	0.8		
					Middle	4.1	0.4	294	24.8	24.8	8.0	8.0	28.6	28.6	95.8	95.6	6.8	6.8	4.1	4.1	6	6	88	87	86			<0.2	0.8	<0.2	0.8	<0.2	0.8
						7.2	0.3	319	24.8	24.8	8.0	8.0	28.6	28.6	97.4	97.7	6.9	6.9	5.4	5.4	7	7	90	89	89			<0.2	0.8	<0.2	0.8	<0.2	0.8
						7.2	0.3	325	24.8	24.8	8.0	8.0	28.6	28.6	97.9	97.7	6.9	6.9	5.4	5.4	7	7	91	89	89			<0.2	0.8	<0.2	0.8	<0.2	0.8
IM10	Fine	Rough	09:51	7.2	Surface	1.0	0.4	287	24.8	24.8	8.0	8.0	29.1	29.1	90.7	90.8	6.4	6.5	5.1	6.1	6	6	49	49	49	822223	809823	<0.2	0.7	<0.2	0.7		
						1.0	0.4	280	24.8	24.8	8.0	8.0	29.1	29.1	90.8	94.3	6.4	6.5	5.1	6.1	6	6	49	49	49			<0.2	0.7	<0.2	0.8		
						3.6	0.4	278	24.7	24.7	8.0	8.0	29.1	29.1	94.0	94.3	6.6	6.7	6.1	6.1	6	6	86	86	86			<0.2	0.8	<0.2	0.8		
					Middle	3.6	0.4	270	24.7	24.7	8.0	8.0	29.1	29.1	94.5	94.3	6.7	6.7	6.1	6.1	6	6	86	86	86			<0.2	0.8	<0.2	0.8	<0.2	0.8
						6.2	0.3	277	24.7	24.7	8.0	8.0	29.1	29.1	96.8	97.2	6.8	6.9	7.1	7.0	6	6	89	89	89			<0.2	0.9	<0.2	0.9	<0.2	0.8
						6.2	0.3	277	24.7	24.7	8.0	8.0	29.1	29.1	97.5	97.2	6.9	6.9	7.0	7.0	6	6	89	89	89			<0.2	0.8	<0.2	0.8	<0.2	0.8
IM11	Fine	Rough	09:37	9.6	Surface	1.0	0.4	293	24.7	24.7	8.0	8.0	30.3	30.3	89.5	89.6	6.3	6.3	3.3	4.4	6	6	52	53	53	821516	810526	<0.2	0.9	<0.2	0.8		
						1.0	0.5	292	24.7	24.7	8.0	8.0	30.3	30.4	89.6	90.9	6.3	6.3	3.3	4.3	6	6	53	87	87			<0.2	0.8	<0.2	0.8		
						4.8	0.4	270	24.7	24.7	8.0	8.0	30.4	30.4	90.8	90.9	6.3	6.4	4.3	4.3	6	6	87	86	86			<0.2	0.8	<0.2	0.8		
					Middle	4.8	0.4	270	24.7	24.7	8.0	8.0	30.4	30.4	90.9	90.9	6.4	6.4	4.3	4.3	6	6	87	86	86			<0.2	0.8	<0.2	0.8	<0.2	0.8
						8.6	0.5	287	24.7	24.7	8.0	8.0	30.4	30.4	92.9	94.8	6.5	6.7	5.7	5.7	5	5	90	89	89			<0.2	0.8	<0.2	0.8	<0.2	0.8
						8.6	0.5	282	24.7	24.7	8.0	8.0	30.4	30.4	96.6	94.8	6.8	6.7	5.7	5.7	6	6	90	89	89			<0.2	0.9	<0.2	0.9	<0.2	0.8
IM12	Fine	Rough	09:32	9.2	Surface	1.0	0.5	289	24.8	24.8	8.0	8.0	30.4	30.4	89.4	89.5	6.2	6.3	3.3	4.2	6	6	45	46	46	821142	811517	<0.2	1.0	<0.2	0.9		
						1.0	0.4	288	24.8	24.8	8.0	8.0	30.4	30.4	89.5	90.2	6.3	6.3	3.3	4.1	6	6	46	86	86			<0.2	0.8	<0.2	0.8		
						4.6	0.5	300	24.8	24.8	8.0	8.0	30.4	30.4	90.2	90.3	6.3	6.3	4.1	4.1	6	6	86	86	86			<0.2	0.8	<0.2	0.8		
					Middle	4.6	0.5	294	24.8	24.8	8.0	8.0	30.4	30.4	90.3	90.3	6.3	6.3	4.1	4.1	5	5	86	86	86			<0.2	0.8	<0.2	0.8	<0.2	0.8
						8.2	0.5	304	24.8	24.8	8.0	8.0	30.4	30.4	95.6	95.9	6.7	6.7	5.1	5.1	5	5	87	87	87			<0.2	0.8	<0.2	0.8	<0.2	0.8
						8.2	0.4	299	24.8	24.8	8.0	8.0	30.4	30.4	96.1	95.9	6.7	6.7	5.1	5.1	5	5	87	87	87			<0.2	0.8	<0.2	0.8	<0.2	0.8
SR1A	Fine	Rough	09:22	5.2	Surface	1.0	0.0	188	24.7	24.7	8.0	8.0	30.3	30.3	91.0	91.3	6.4	6.4	2.3	2.9	6	6	-	-	-	819973	812656	-	-	-	-		
						1.0	0.0	190	24.7	24.7	8.0	8.0	30.3	30.3	91.5	91.3	6.4	6.4	2.3	2.3	5	5	-	-	-			-	-	-	-		
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	-			-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	-			-	-	-	-
						4.2	0.0	185	24.7	24.7	8.0	8.0	30.3	30.3	96.9	97.3	6.8	6.8	3.5	3.5	7	7	-	-	-	-	-			-	-	-	-
						4.2	0.1	177	24.7	24.7	8.0	8.0	30.3	30.3	97.6	97.3	6.8	6.8	3.5	3.5	6	6	-	-	-	-	-			-	-	-	-
SR2	Fine	Rough	09:12	5.0	Surface	1.0	0.2	233	24.7	24.7	8.0	8.0	30.4	30.4	96.5	96.7	6.7	6.8	3.8	4.2	6	6	45	46	46	821462	814179	<0.2	1.1	<0.2	1.1		
						1.0	0.1	227	24.7	24.7	8.0	8.0	30.4	30.4	96.8	96.7	6.8	6.8	3.9	3.9	6	6	46	87	87			<0.2	0.8	<0.2	0.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	-			<0.2	0.8	<0.2	0.8
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-	-			<0.2	0.8	<0.2	0.8
						4.0	0.2	247	24.7	24.7	8.0	8.0	30.4	30.4	98.9	99.3	6.9	7.0	4.6	4.6	6	6	87	87	87			<0.2	0.8	<0.2	0.8	<0.2	0.8
						4.0	0.2	241	24.7	24.7	8.0	8.0	30.4	30.4	99.7	99.3	7.0	7.0	4.6	4.6	5	5	87	87	87			<0.2	0.8	<0.2	0.8	<0.2	0.8
SR3	Fine	Rough	10:11	7.8	Surface	1.0	0.2	355	24.8	24.9	8.0	8.0	28.8	28.8	94.4	94.7	6.6	6.7	2.4	3.3	7	7	-	-	-	822160	807579	-	-	-	-		
						1.0	0.3	358	24.9	24.9	8.0	8.0	28.8	28.8	95.0	96.4	6.7	6.7	2.4	3.3	6	6	-	-	-			-	-	-	-		
						3.9	0.3	3	24.9	24.9	8.0	8.0	28.8	28.8	96.1	96.4	6.8	6.8	3.3	3.3	6	6	-	-	-			-	-	-	-		
					Middle	3.9	0.4	356	24.9	24.9	8.0	8.0	28.8	28.8	96.7	96.4	6.8	6.8	3.3	3.3	7	7	-	-	-			-	-	-	-		
						6.8	0.2	342	24.9	24.9	8.0	8.0	29.0	29.0	98.7	99.2	6.9	7.0	4.3	4.3	7	7	-	-	-			-	-	-	-		
						6.8	0.2	344	24.9	24.9	8.0	8.0	29.0	29.0	99.7	99.2	7.0	7.0	4.3	4.3	7	7	-	-	-			-	-	-	-		
SR4A	Cloudy	Rough	10:15	8.0	Surface	1.0	0.0	198	24.0	24.0	8.2	8.2	30.8	30.8	86.5	86.5	6.1	6.1	8.2	8.6	7	7	-	-	-	817177	807809	-	-	-	-		
						1.0	0.0	194	24.0	24.0	8.2	8.2	30.8	30.8	86.5	86.9	6.1	6.1	8.2	8.9	8	7	-	-	-			-	-	-	-		
						4.0	0.0	209	24.0	24.0	8.2	8.2	30.8	30.8	86.9	86.9	6.1	6.1	8.7	8.9	7	7	-	-	-			-	-	-	-		
					Middle	4.0	0.0	211	24.0	24.0	8.2	8.2	30.8	30.8	86.9	86.9	6.1	6.1	8.9	8.9	7	7	-	-	-			-	-	-	-		
						7.0	0.0	197	23.9	23.9	8.2	8.2	30.8	30.8	87.7	89.1	6.2	6.3	8.8	8.7	7	7	-	-	-			-	-	-	-		
						7.0	0.0	204	23.9</																								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Fine	Rough	03:21	7.5	Surface	1.0	0.5	198	22.3	22.3	8.2	8.2	31.1	31.1	88.5	88.5	6.4	6.4	9.4	11.0	19	17	83	86	815623	804246	<0.2	<0.2	0.5	0.5					
						1.0	0.5	193	22.3	8.2	8.2	31.1	31.1	88.4	88.3	6.4	6.4	9.3	10.3	18	16	86	86	815623	804246	<0.2	<0.2	0.5	0.5						
						3.8	0.6	227	22.3	8.2	8.2	31.1	31.1	88.3	88.3	6.4	6.4	10.3	10.3	18	16	86	86	815623	804246	<0.2	<0.2	0.5	0.5						
					Middle	3.8	0.5	219	22.3	8.2	8.2	31.1	31.1	88.3	88.3	6.4	6.4	10.3	10.3	18	16	86	86	815623	804246	<0.2	<0.2	0.4	0.4						
						6.5	0.5	213	22.3	8.2	8.2	31.2	31.2	87.3	87.3	6.3	6.3	13.4	13.4	16	16	90	90	815623	804246	<0.2	<0.2	0.4	0.4						
						6.5	0.5	208	22.3	8.2	8.2	31.2	31.2	87.2	87.2	6.3	6.3	13.5	13.5	16	16	90	90	815623	804246	<0.2	<0.2	0.5	0.5						
					C2	Cloudy	Moderate	04:58	11.7	Surface	1.0	1.0	165	23.5	23.5	8.0	8.0	30.0	30.0	91.3	91.4	6.5	6.5	4.2	5.3	6	7	84	85	825694	806951	<0.2	<0.2	1.1	0.8
											1.0	0.9	169	23.5	8.0	8.0	30.0	30.0	91.5	91.5	6.6	6.6	4.2	4.2	6	6	85	85	825694	806951	<0.2	<0.2	0.7	0.7	
											5.9	0.9	168	23.5	8.0	8.0	30.0	30.0	93.0	93.1	6.7	6.7	4.3	4.3	6	6	87	87	825694	806951	<0.2	<0.2	1.0	1.0	
Middle	5.9	0.9	171	23.4						8.0	8.0	30.0	30.0	93.2	93.2	6.7	6.7	4.3	4.3	7	7	88	88	825694	806951	<0.2	<0.2	0.7	0.7						
	10.7	0.9	192	23.4						8.0	8.0	30.0	30.0	94.8	95.3	6.8	6.8	7.2	7.2	8	8	91	91	825694	806951	<0.2	<0.2	0.7	0.7						
	10.7	0.9	193	23.4						8.0	8.0	30.0	30.0	95.7	95.7	6.9	6.9	7.3	7.3	9	9	89	89	825694	806951	<0.2	<0.2	0.7	0.7						
C3	Cloudy	Moderate	03:07	11.7						Surface	1.0	0.6	90	23.6	23.6	8.0	8.0	30.8	30.8	89.4	89.4	6.4	6.4	4.1	6.2	8	8	86	85	822109	817819	<0.2	<0.2	0.6	0.7
											1.0	0.6	88	23.6	8.0	8.0	30.8	30.8	89.4	89.4	6.4	6.4	4.0	4.0	9	9	85	85	822109	817819	<0.2	<0.2	0.6	0.6	
											5.9	0.7	76	23.8	8.0	8.0	30.9	30.9	90.3	90.4	6.4	6.4	5.8	5.8	7	7	88	88	822109	817819	<0.2	<0.2	0.6	0.6	
					Middle	5.9	0.7	75	23.8	8.0	8.0	30.9	30.9	90.4	90.4	6.4	6.4	5.8	5.8	6	6	89	89	822109	817819	<0.2	<0.2	1.0	1.0						
						10.7	0.6	75	23.8	7.7	7.7	30.9	30.9	93.8	94.0	6.6	6.6	8.6	8.6	7	7	90	90	822109	817819	<0.2	<0.2	0.9	0.9						
						10.7	0.6	76	23.8	7.7	7.7	30.9	30.9	94.2	94.2	6.7	6.7	9.0	9.0	8	8	91	91	822109	817819	<0.2	<0.2	0.7	0.7						
					IM1	Fine	Rough	03:38	7.1	Surface	1.0	0.4	202	22.4	22.4	8.2	8.2	30.7	30.8	88.0	88.0	6.4	6.4	9.1	10.7	14	16	82	82	818366	806454	<0.2	<0.2	0.4	0.4
											1.0	0.4	196	22.4	8.2	8.2	30.8	30.8	88.0	88.0	6.4	6.4	9.1	9.1	14	14	82	82	818366	806454	<0.2	<0.2	0.4	0.4	
											3.6	0.4	173	22.4	8.2	8.2	30.8	30.8	87.8	87.8	6.4	6.4	9.7	9.7	14	14	83	83	818366	806454	<0.2	<0.2	0.5	0.5	
Middle	3.6	0.4	166	22.4						8.2	8.2	30.8	30.8	87.8	87.8	6.4	6.4	9.8	9.8	17	17	83	83	818366	806454	<0.2	<0.2	0.4	0.4						
	6.1	0.5	213	22.4						8.2	8.2	30.8	30.8	87.3	87.3	6.3	6.3	13.2	13.2	18	18	88	88	818366	806454	<0.2	<0.2	0.5	0.5						
	6.1	0.5	211	22.4						8.2	8.2	30.8	30.8	87.3	87.3	6.3	6.3	13.2	13.2	18	18	88	88	818366	806454	<0.2	<0.2	0.4	0.4						
IM2	Fine	Rough	03:46	7.3						Surface	1.0	0.5	198	22.6	22.6	8.2	8.2	30.6	30.7	86.4	86.4	6.3	6.3	7.8	9.6	16	15	80	80	818868	806203	<0.2	<0.2	0.5	0.5
											1.0	0.5	191	22.6	8.2	8.2	30.7	30.7	86.4	86.4	6.3	6.3	7.7	7.7	14	14	80	80	818868	806203	<0.2	<0.2	0.5	0.5	
											3.7	0.4	191	22.6	8.2	8.2	30.6	30.6	86.3	86.3	6.3	6.3	9.2	9.2	14	14	83	83	818868	806203	<0.2	<0.2	0.6	0.6	
					Middle	3.7	0.4	185	22.6	8.2	8.2	30.6	30.6	86.3	86.3	6.3	6.3	9.2	9.2	14	14	83	83	818868	806203	<0.2	<0.2	0.6	0.6						
						6.3	0.5	186	22.6	8.2	8.2	30.6	30.6	86.4	86.4	6.3	6.3	11.7	11.7	14	14	90	90	818868	806203	<0.2	<0.2	0.4	0.4						
						6.3	0.4	186	22.6	8.2	8.2	30.6	30.6	86.4	86.4	6.3	6.3	11.8	11.8	16	16	90	90	818868	806203	<0.2	<0.2	0.5	0.5						
					IM3	Fine	Rough	04:00	7.5	Surface	1.0	0.5	208	22.5	22.5	8.2	8.2	30.3	30.3	90.1	90.1	6.6	6.6	13.6	13.3	20	21	83	83	819388	806021	<0.2	<0.2	0.4	0.5
											1.0	0.5	205	22.5	8.2	8.2	30.3	30.3	90.1	90.1	6.6	6.6	13.6	13.6	20	20	83	83	819388	806021	<0.2	<0.2	0.4	0.4	
											3.8	0.5	197	22.4	8.2	8.2	30.3	30.4	88.9	88.9	6.5	6.5	10.8	10.8	21	21	86	86	819388	806021	<0.2	<0.2	0.4	0.5	
Middle	3.8	0.5	191	22.4						8.2	8.2	30.4	30.4	88.9	88.9	6.5	6.5	10.8	10.8	20	20	86	86	819388	806021	<0.2	<0.2	0.5	0.5						
	6.5	0.5	202	22.4						8.2	8.2	30.4	30.4	87.4	87.4	6.4	6.4	15.4	15.4	22	22	90	90	819388	806021	<0.2	<0.2	0.5	0.5						
	6.5	0.5	207	22.4						8.2	8.2	30.4	30.4	87.4	87.4	6.4	6.4	15.4	15.4	20	20	90	90	819388	806021	<0.2	<0.2	0.5	0.5						
IM4	Fine	Rough	04:14	8.2						Surface	1.0	0.5	183	22.4	22.4	8.2	8.2	30.5	30.5	89.3	89.4	6.5	6.5	8.2	10.9	12	14	80	80	819562	805015	<0.2	<0.2	0.4	0.5
											1.0	0.5	177	22.4	8.2	8.2	30.5	30.5	89.4	89.4	6.5	6.5	8.3	8.3	13	13	80	80	819562	805015	<0.2	<0.2	0.6	0.6	
											4.1	0.6	194	22.3	8.2	8.2	30.5	30.5	88.7	88.7	6.5	6.5	10.6	10.6	14	14	83	83	819562	805015	<0.2	<0.2	0.4	0.4	
					Middle	4.1	0.6	197	22.3	8.2	8.2	30.5	30.5	88.7	88.7	6.5	6.5	10.8	10.8	14	14	83	83	819562	805015	<0.2	<0.2	0.4	0.4						
						7.2	0.6	190	22.3	8.2	8.2	30.5	30.5	88.4	88.4	6.4	6.4	13.8	13.8	14	14	87	87	819562	805015	<0.2	<0.2	0.9	0.9						
						7.2	0.6	183	22.3	8.2	8.2	30.5	30.5	88.4	88.4	6.4	6.4	13.8	13.8	16	16	87	87	819562	805015	<0.2	<0.2	0.5	0.5						
					IM5	Fine	Rough	04:32	7.3	Surface	1.0	0.6	186	22.8	22.8	8.2	8.2	30.6	30.6	86.6	86.6	6.3	6.3	8.0	8.2	13	14	82	82	820548	804905	<0.2	<0.2	0.6	0.5
											1.0	0.5	181	22.8	8.2	8.2	30.6	30.6	86.6	86.6	6.3	6.3	8.0	8.0	13	13	82	82	820548	804905	<0.2	<0.2	0.5	0.5	
											3.7	0.5	205	22.7	8.2	8.2	30.6	30.7	86.8	86.8	6.3	6.3	8.8	8.8	12	12	86	86	820548	804905	<0.2	<0.2	0.4	0.4	
Middle	3.7	0.5	198	22.7						8.2	8.2	30.7	30.7	86.8	86.8	6.3	6.3	8.8	8.8	12	12	86	86	820548	804905	<0.2	<0.2	0.5	0.5						
	6.3	0.5	183	22.5						8.2	8.2	30.9	30.9	87.5	87.5	6.3	6.3	7.8	7.8	14	14	91	91												

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
IM9	Cloudy	Moderate	04:20	7.0	Surface	1.0	0.5	156	23.3	23.3	8.0	8.0	30.6	30.6	91.6	91.7	6.6	6.6	7.3	7.4	5	8	85	88	822076	808789	-0.2	0.9			
						1.0	0.5	161	23.3	8.0	8.0	30.6	30.6	91.8	91.7	6.6	6.6	7.4	7.4	6	7	86	88	-0.2			1.0				
						3.5	0.6	142	23.2	8.0	8.0	30.6	30.6	92.7	92.8	6.6	6.6	8.1	8.1	7	8	87	88	-0.2			0.6				
					3.5	0.6	147	23.2	8.0	8.0	30.6	30.6	92.8	92.8	6.7	6.7	8.2	8.2	8	9	87	89	-0.2	0.6							
					6.0	0.5	150	23.2	8.0	8.0	30.6	30.6	93.7	94.0	6.7	6.8	8.1	8.1	9	10	90	91	-0.2	1.0							
					6.0	0.5	142	23.2	8.0	8.0	30.6	30.6	94.3	94.0	6.8	6.8	7.9	7.9	10	10	91	91	-0.2	1.0							
IM10	Cloudy	Moderate	04:13	7.7	Surface	1.0	0.7	119	23.4	23.4	8.0	8.0	30.8	30.8	91.6	91.7	6.5	6.5	8.2	8.3	7	7	86	88	822250	809829	-0.2	0.6			
						1.0	0.7	118	23.4	8.0	8.0	30.8	30.8	91.8	91.8	6.6	6.6	8.3	8.3	7	7	85	88	-0.2			0.6				
						3.9	0.6	129	23.3	8.0	8.0	30.8	30.8	93.4	93.5	6.7	6.7	9.9	9.9	8	8	87	88	-0.2			0.6				
					3.9	0.6	121	23.3	8.0	8.0	30.8	30.8	93.6	93.6	6.7	6.7	10.1	10.1	6	6	89	89	-0.2	0.6							
					6.7	0.6	109	23.3	8.0	8.0	30.8	30.8	95.0	95.1	6.8	6.8	10.8	10.8	7	7	90	89	-0.2	0.6							
					6.7	0.6	114	23.3	8.0	8.0	30.8	30.8	95.1	95.1	6.8	6.8	10.8	10.8	7	7	89	89	-0.2	1.1							
IM11	Cloudy	Moderate	04:06	7.6	Surface	1.0	0.7	98	22.9	22.9	8.0	8.0	30.8	30.8	94.3	94.5	6.8	6.8	7.7	7.8	6	6	86	88	821522	810565	-0.2	0.6			
						1.0	0.7	101	22.9	8.0	8.0	30.8	30.8	94.6	94.6	6.8	6.8	7.8	7.8	6	6	85	88	-0.2			0.6				
						3.8	0.8	96	22.9	8.1	8.1	30.8	30.8	95.8	95.9	6.9	6.9	8.5	8.5	7	7	88	88	-0.2			1.0				
					3.8	0.8	92	22.9	8.1	8.1	30.8	30.8	95.9	95.9	6.9	6.9	8.6	8.6	7	7	89	89	-0.2	0.6							
					6.6	0.8	80	22.9	8.1	8.1	30.8	30.8	96.3	96.5	6.9	7.0	9.0	9.0	7	7	90	89	-0.2	0.8							
					6.6	0.8	83	22.9	8.1	8.1	30.8	30.8	96.7	96.5	7.0	7.0	9.0	9.0	7	7	91	89	-0.2	0.9							
IM12	Cloudy	Moderate	04:02	8.0	Surface	1.0	0.8	96	22.9	22.9	8.0	8.0	30.7	30.7	91.3	91.4	6.6	6.6	4.7	4.8	8	9	85	88	821147	811520	-0.2	1.0			
						1.0	0.8	98	22.9	8.0	8.0	30.7	30.7	91.4	91.4	6.6	6.6	4.8	4.8	9	9	86	88	-0.2			0.6				
						4.0	0.8	102	22.8	8.0	8.0	30.7	30.7	92.1	92.2	6.6	6.6	6.0	6.1	9	10	87	88	-0.2			0.6				
					4.0	0.8	103	22.8	8.0	8.0	30.7	30.7	92.2	92.2	6.6	6.6	6.1	6.1	11	11	88	88	-0.2	0.6							
					7.0	0.8	125	22.8	8.0	8.0	30.7	30.7	94.1	94.2	6.8	6.8	8.3	8.3	9	9	90	89	-0.2	1.0							
					7.0	0.8	127	22.8	8.0	8.0	30.7	30.7	94.3	94.3	6.8	6.8	8.3	8.3	11	11	91	89	-0.2	1.0							
SR1A	Cloudy	Moderate	03:38	5.9	Surface	1.0	0.0	171	23.1	23.1	8.0	8.0	30.7	30.7	89.4	89.5	6.4	6.4	6.0	5.9	6	6	-	-	819978	812661	-	-			
						1.0	0.0	171	23.1	8.0	8.0	30.7	30.7	89.5	89.5	6.4	6.4	5.9	5.9	6	6	-	-	-			-				
						3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					4.9	-	196	23.1	8.0	8.0	30.7	30.7	91.2	91.4	6.6	6.6	4.1	4.0	7	6	-	-	-	-			-	-	-	-	
					4.9	0.0	193	23.1	8.0	8.0	30.7	30.7	91.5	91.5	6.6	6.6	4.0	4.0	6	6	-	-	-	-			-	-	-	-	
SR2	Cloudy	Moderate	03:26	4.9	Surface	1.0	0.5	58	23.1	23.1	8.0	8.0	30.8	30.8	95.5	95.6	6.9	6.9	8.6	8.7	8	6	86	88	821474	814152	-0.2	1.0			
						1.0	0.5	60	23.1	8.0	8.0	30.8	30.8	95.7	95.7	6.9	6.9	8.7	8.7	6	6	85	88	-0.2			1.0				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					3.9	0.5	37	23.0	8.0	8.0	30.8	30.8	97.7	97.9	7.0	7.0	8.2	8.2	7	7	90	89	-0.2	0.9							
					3.9	0.4	32	23.0	8.0	8.0	30.8	30.8	98.0	98.0	7.0	7.0	8.2	8.2	6	6	91	89	-0.2	1.1							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
SR3	Cloudy	Moderate	04:29	8.4	Surface	1.0	0.7	151	23.4	23.4	8.0	8.0	30.0	30.0	88.5	88.5	6.3	6.3	7.9	9.0	8	6	-	-	822159	807557	-	-			
						1.0	0.7	156	23.4	8.0	8.0	30.0	30.0	88.4	88.4	6.3	6.3	9.0	9.0	6	6	-	-	-			-				
						4.2	0.7	163	23.4	8.0	8.0	30.1	30.1	88.4	88.4	6.3	6.3	11.3	11.3	7	8	-	-	-			-				
					4.2	0.7	158	23.4	8.0	8.0	30.1	30.1	88.4	88.4	6.3	6.3	11.3	11.3	8	8	-	-	-	-							
					7.4	0.7	164	23.4	8.0	8.0	30.1	30.1	88.9	89.0	6.4	6.4	8.7	8.7	8	8	-	-	-	-							
					7.4	0.6	157	23.4	8.0	8.0	30.1	30.1	89.0	89.0	6.4	6.4	8.1	8.1	8	8	-	-	-	-							
SR4A	Fine	Rough	02:55	9.3	Surface	1.0	0.0	88	21.8	21.8	8.2	8.2	30.5	30.5	85.6	85.6	6.3	6.3	6.6	6.7	10	11	-	-	817168	807826	-	-			
						1.0	0.0	86	21.8	8.2	8.2	30.5	30.5	85.6	85.6	6.3	6.3	6.7	6.7	15	15	-	-								
						4.7	0.1	107	21.8	8.2	8.2	30.4	30.5	85.4	85.4	6.3	6.3	7.6	7.5	12	13	-	-								
					4.7	0.1	101	21.8	8.2	8.2	30.5	30.5	85.4	85.4	6.3	6.3	7.5	7.5	13	13	-	-									
					8.3	0.1	96	21.8	8.2	8.2	30.4	30.4	85.4	85.4	6.3	6.3	8.1	8.1	9	9	-	-									
					8.3	0.0	103	21.8	8.2	8.2	30.4	30.4	85.4	85.4	6.3	6.3	8.1	8.1	9	9	-	-									
SR5A	Fine	Rough	02:38	4.8	Surface	1.0	0.3	103	22.0	22.0	8.2	8.2	30.4	30.4	85.3	85.3	6.3	6.3	10.1	10.2	14	16	-	-	816576	810710	-	-			
						1.0	0.3	105	22.0	8.2	8.2	30.4	30.4	85.3	85.3	6.3	6.3	10.2	10.2	14	16	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					3.8	0.3	106	21.9	8.2	8.2	30.4	30.4	85.3	85.3	6.3	6.3	12.8	12.8	20	20	-	-									
					3.8	0.3	104	21.9	8.2	8.2	30.4	30.4	85.3	85.3	6.3	6.3	12.8	12.8	16	16	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
SR6	Fine	Rough	02:21	5.2	Surface	1.0	0.2	63	22.3	22.3	8.1	8.1	30.5	30.5	84.4	84.4	6.1	6.1	4.5	4.5	14	14	-	-	817884	814655	-	-			
						1.0	0.2	62	22.3	8.1	8.1	30.5	30.5	84.3	84.3	6.1	6.1	4.5	4.5	14	14	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					4.2	0.2	46	22.3	8.1	8.1	30.6	30.6	84.0	84.0	6.1	6.1	7.6	7.7	14	14	-	-									
					4.2	0.1	50	22.3	8.1	8.1	30.6	30.6	84.0	84.0	6.1	6.1	7.7	7.7	14	14	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR7	Cloudy	Moderate	02:38	16.8	Surface	1.0	1.0																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
IM9	Cloudy	Moderate	15:08	8.5	Surface	1.0	0.1	17	23.4	23.4	8.1	8.1	30.6	30.6	89.9	90.0	6.5	6.8	6.7	6.8	5	6	86	87	87	822102	808788	-0.2	1.1	-0.2	0.6
						1.0	0.1	20	23.4	8.1	8.1	30.6	30.6	89.8	90.0	6.5	6.8	6	6	86	87	-0.2	0.6								
						4.3	0.1	26	23.4	8.1	8.1	30.8	30.8	94.1	94.3	6.8	8.9	6	6	89	89	-0.2	0.6								
					4.3	0.0	19	23.4	8.1	8.1	30.8	30.8	94.4	94.4	6.8	8.9	6	6	90	90	-0.2	1.2									
					7.5	0.1	53	23.4	8.1	8.1	30.8	30.8	96.0	96.4	6.9	10.5	5	5	85	85	-0.2	0.7									
					7.5	0.1	46	23.4	8.1	8.1	30.8	30.8	96.8	96.4	7.0	10.4	6	6	84	84	-0.2	0.6									
IM10	Cloudy	Moderate	15:17	8.1	Surface	1.0	0.1	345	23.5	23.5	8.1	8.1	30.8	30.8	90.3	90.4	6.5	8.7	6.6	8.7	6	5	87	86	87	822235	809855	-0.2	0.6	-0.2	0.6
						1.0	0.1	347	23.5	8.1	8.1	30.8	30.8	90.5	90.5	6.5	8.7	5	5	86	86	-0.2	0.6								
						4.1	0.0	336	23.5	8.1	8.1	30.8	30.8	93.1	93.5	6.7	9.6	6	6	89	89	-0.2	1.0								
					4.1	0.0	337	23.5	8.1	8.1	30.8	30.8	93.8	93.8	6.7	9.6	5	5	90	90	-0.2	0.9									
					7.1	0.0	344	23.5	8.1	8.1	30.8	30.8	95.9	96.3	6.9	10.6	5	5	85	85	-0.2	1.0									
					7.1	0.1	344	23.5	8.1	8.1	30.8	30.8	96.7	96.3	7.0	10.6	5	5	84	84	-0.2	0.8									
IM11	Cloudy	Moderate	15:22	8.5	Surface	1.0	0.1	337	23.5	23.5	8.1	8.1	30.9	30.9	89.6	89.7	6.4	6.1	6.5	6.1	6	6	86	88	87	821487	810538	-0.2	0.9	-0.2	1.1
						1.0	0.1	347	23.5	8.1	8.1	30.9	30.9	89.8	89.7	6.5	8.7	5	5	86	86	-0.2	1.1								
						4.3	0.1	312	23.4	8.1	8.1	30.9	30.9	90.4	90.5	6.5	6.8	8	8	89	89	-0.2	1.2								
					4.3	0.1	306	23.4	8.1	8.1	30.9	30.9	90.6	90.5	6.5	6.8	6	6	88	88	-0.2	1.2									
					7.5	0.1	309	23.4	8.1	8.1	30.9	30.9	96.4	96.7	6.9	8.0	6	6	84	84	-0.2	1.2									
					7.5	0.1	312	23.4	8.1	8.1	30.9	30.9	97.0	96.7	7.0	8.0	6	6	85	85	-0.2	1.0									
IM12	Cloudy	Moderate	15:28	8.6	Surface	1.0	0.0	349	23.5	23.5	8.1	8.1	30.9	30.9	89.6	89.7	6.4	8.6	6.5	8.6	6	5	86	86	87	821157	811519	-0.2	1.1	-0.2	1.1
						1.0	0.0	347	23.5	8.1	8.1	30.9	30.9	89.8	89.7	6.5	8.6	5	5	86	86	-0.2	1.1								
						4.3	0.0	328	23.4	8.1	8.1	30.9	30.9	90.5	90.5	6.5	10.2	6	6	89	89	-0.2	0.9								
					4.3	0.1	332	23.4	8.1	8.1	30.9	30.9	90.5	90.5	6.5	10.2	6	6	90	90	-0.2	1.2									
					7.6	0.1	321	23.4	8.1	8.1	30.8	30.8	96.5	96.7	7.0	10.8	5	5	85	85	-0.2	0.9									
					7.6	0.1	314	23.4	8.1	8.1	30.8	30.8	96.8	96.7	7.0	10.8	5	5	84	84	-0.2	0.8									
SR1A	Cloudy	Moderate	15:48	5.5	Surface	1.0	0.0	1	23.3	23.3	8.0	8.0	30.8	30.8	93.5	93.5	6.8	6.8	6.8	6.9	6	6	-	-	87	819973	812658	-	-	-	-
						1.0	0.0	3	23.3	8.0	8.0	30.8	30.8	93.5	93.5	6.8	6.9	6	6	-	-	-	-								
						2.8	-	-	-	-	-	-	-	-	-	-	-	6.8	7.0	6	6	-	-	-				-			
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-				-	-		
					4.5	0.0	5	23.3	8.0	8.0	30.8	30.8	95.0	95.4	6.9	7.1	6	6	-	-	-	-	-	-				-			
					4.5	0.1	359	23.3	8.0	8.0	30.8	30.8	95.7	95.4	6.9	7.1	6	6	-	-	-	-	-	-				-	-		
SR2	Cloudy	Moderate	15:59	5.2	Surface	1.0	0.0	101	23.5	23.5	8.1	8.1	30.8	30.8	94.2	94.4	6.8	7.0	6.8	7.0	5	5	86	87	87	821454	814159	-0.2	0.7	-0.2	1.0
						1.0	0.0	102	23.5	8.1	8.1	30.8	30.8	94.5	94.4	6.8	7.0	5	5	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	6.8	7.0	6	6	-	-	-				-			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-				-	-		
					4.2	0.1	112	23.5	8.1	8.1	30.8	30.8	91.8	91.8	6.6	6.9	6	6	88	88	-0.2	0.8									
					4.2	0.1	113	23.5	8.1	8.1	30.8	30.8	91.8	91.8	6.6	6.9	5	5	87	87	-0.2	0.9									
SR3	Cloudy	Moderate	14:56	8.4	Surface	1.0	0.1	7	23.6	23.6	8.0	8.0	29.9	29.9	89.4	89.5	6.5	5.8	6.5	5.7	6	5	-	-	87	822133	807560	-	-	-	-
						1.0	0.1	1	23.6	8.0	8.0	29.9	29.9	89.5	89.5	6.5	5.7	5	5	-	-	-	-								
						4.2	0.2	1	23.6	8.0	8.0	29.9	29.9	90.6	90.9	6.5	7.1	5	5	-	-	-	-								
					4.2	0.2	1	23.6	8.0	8.0	29.9	29.9	91.2	90.9	6.6	7.1	5	5	-	-	-	-									
					7.4	0.1	6	23.5	8.0	8.0	29.9	29.9	93.5	93.7	6.8	8.3	7	7	-	-	-	-									
					7.4	0.1	7	23.5	8.0	8.0	29.9	29.9	93.8	93.7	6.8	8.3	8	8	-	-	-	-									
SR4A	Sunny	Moderate	16:26	8.9	Surface	1.0	0.0	118	22.3	22.3	8.2	8.2	30.4	30.4	89.7	89.7	6.5	5.4	6.5	5.4	9	9	-	-	87	817198	807817	-	-	-	-
						1.0	0.0	123	22.3	8.2	8.2	30.4	30.4	89.7	89.7	6.5	5.4	9	9	-	-	-	-								
						4.5	0.1	132	22.3	8.2	8.2	30.3	30.3	89.2	89.2	6.5	6.2	8	8	-	-	-	-								
					4.5	0.0	139	22.3	8.2	8.2	30.3	30.3	89.2	89.2	6.5	6.3	7	7	-	-	-	-									
					7.9	0.0	110	22.3	8.2	8.2	30.4	30.4	88.8	88.9	6.5	6.1	8	8	-	-	-	-									
					7.9	0.0	103	22.3	8.2	8.2	30.4	30.4	88.9	88.9	6.5	6.2	7	7	-	-	-	-									
SR5A	Sunny	Moderate	16:44	4.3	Surface	1.0	0.1	115	22.3	22.3	8.2	8.2	30.5	30.5	88.2	88.2	6.4	5.6	6.4	5.6	7	8	-	-	87	816612	810715	-	-	-	-
						1.0	0.1	121	22.3	8.2	8.2	30.5	30.5	88.2	88.2	6.4	5.6	8	7	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	6.4	5.4	7	7	-	-	-				-			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-				-			
					3.3	0.0	134	22.0	8.2	8.2	30.5	30.5	86.9	86.9	6.4	5.3	7	7	-	-	-	-									
					3.3	0.0	128	22.0	8.2	8.2	30.5	30.5	86.9	86.9	6.4	5.2	7	7	-	-	-	-									
SR6	Sunny	Moderate	17:03	4.8	Surface	1.0	0.0	74	23.6	23.6	8.2	8.2	30.9	30.9	87.1	87.1	6.4	3.3	6.4	3.3	8	8	-	-	87	817908	814686	-	-	-	-
						1.0	0.0	77	23.6	8.2	8.2	30.9	30.9	87.1	87.1	6.4	3.3	8	8	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	6.4	3.6	7	7	-	-	-				-			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-				-			
					3.8	0.0	62	23.4	8.2	8.2	30.8	30.8	84.7	84.7	6.0	3.9	7	7	-	-	-	-									
					3.8	0.0	63	23.4	8.2	8.2	30.8	30.8	84.7	84.7	6.0	3.9	7	7	-	-	-	-									
SR7	Cloudy	Moderate	16:50	16.4	Surface	1.0	0.0	298	23.9	23.9	8.0	8.0	31.4	31.4	88.9	89.1	6.3	3.7	6.4	3.7	5	5	-	-	87	823613	823725	-	-	-	-
						1.0	0.0	291	23.9	8.0	8.0	31.4	31.4	89.2	89.2	6.4	3.7	5	5	-	-	-	-								
						8.2	0.																								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	07:49	7.6	Surface	1.0	0.3	215	22.6	22.6	8.1	8.1	30.7	30.7	86.8	86.8	6.3	6.3	4.1	4.1	8	8	83	83	86	86	815637	804267	<0.2	0.7	0.8	0.8						
						1.0	0.2	208	22.6	8.1	8.1	30.7	30.7	86.8	86.8	6.3	6.3	4.1	4.1	10	10	83	83	86	86	815637	804267	<0.2	0.7	0.8	0.8							
						3.8	0.2	204	22.7	8.1	8.1	30.7	30.7	86.7	86.7	6.3	6.3	5.2	5.2	8	8	86	86	86	86	815637	804267	<0.2	0.7	0.8	0.8							
					Middle	3.8	0.2	198	22.7	8.1	8.1	30.7	30.7	86.7	86.7	6.3	6.3	5.2	5.2	9	9	86	86	9	9	86	86	815637	804267	<0.2	0.7	0.8	0.8					
						6.6	0.2	231	22.7	8.1	8.1	30.8	30.8	87.0	87.0	6.3	6.3	6.8	6.8	8	8	90	90	9	9	86	86	815637	804267	<0.2	0.7	0.8	0.8					
						6.6	0.2	226	22.7	8.1	8.1	30.8	30.8	87.2	87.2	6.3	6.3	6.8	6.8	9	9	90	90	9	9	86	86	815637	804267	<0.2	0.7	0.8	0.8					
					C2	Cloudy	Moderate	08:23	11.7	Surface	1.0	0.3	183	23.2	23.2	8.0	8.0	30.3	30.3	89.0	89.0	6.4	6.4	2.3	2.3	4	4	84	84	87	87	825669	806930	<0.2	0.5	0.5	0.5	
											1.0	0.4	187	23.2	8.0	8.0	30.3	30.3	89.0	89.0	6.4	6.4	2.4	2.4	6	6	85	85	87	87	825669	806930	<0.2	0.5	0.5	0.5		
											5.9	0.3	156	23.1	8.0	8.0	30.3	30.3	88.8	88.8	6.4	6.4	2.5	2.5	6	6	87	87	88	88	825669	806930	<0.2	0.5	0.5	0.5		
Middle	5.9	0.4	153	23.1						8.0	8.0	30.3	30.3	88.8	88.8	6.4	6.4	2.4	2.4	5	5	88	88	5	5	88	88	825669	806930	<0.2	0.5	0.5	0.5					
	10.7	0.3	192	23.1						8.0	8.0	30.3	30.3	88.9	88.9	6.4	6.4	3.0	3.0	4	4	91	91	5	5	89	89	825669	806930	<0.2	0.6	0.6	0.6					
	10.7	0.3	188	23.1						8.0	8.0	30.3	30.3	88.9	88.9	6.4	6.4	3.0	3.0	5	5	89	89	5	5	89	89	825669	806930	<0.2	0.6	0.6	0.6					
C3	Cloudy	Moderate	06:08	11.7						Surface	1.0	0.3	34	23.1	23.1	8.0	8.0	30.7	30.7	89.4	89.4	6.4	6.4	2.6	2.6	7	7	86	86	88	88	822114	817825	<0.2	0.6	0.5	0.5	
											1.0	0.3	31	23.1	8.0	8.0	30.7	30.7	89.3	89.3	6.4	6.4	2.6	2.6	6	6	85	85	88	88	822114	817825	<0.2	0.6	0.5	0.5		
											5.9	0.2	33	23.2	8.0	8.0	30.8	30.8	89.5	89.5	6.4	6.4	3.6	3.6	6	6	88	88	7	7	89	89	822114	817825	<0.2	0.6	0.5	0.5
					Middle	5.9	0.3	34	23.2	8.0	8.0	30.8	30.8	89.5	89.5	6.4	6.4	3.6	3.6	7	7	89	89	6	6	88	88	822114	817825	<0.2	0.6	0.5	0.5					
						10.7	0.2	24	23.2	8.0	8.0	30.8	30.8	90.8	90.8	6.5	6.5	5.0	5.0	7	7	90	90	6	6	89	89	822114	817825	<0.2	0.6	0.5	0.5					
						10.7	0.3	28	23.2	8.0	8.0	30.8	30.8	91.0	91.0	6.5	6.5	5.0	5.0	6	6	91	91	6	6	89	89	822114	817825	<0.2	0.6	0.5	0.5					
					IM1	Fine	Moderate	07:56	7.0	Surface	1.0	0.3	197	22.3	22.3	8.1	8.1	30.5	30.6	86.8	86.8	6.3	6.3	3.4	3.4	7	7	82	82	84	84	818338	806472	<0.2	0.7	0.7	0.8	
											1.0	0.3	192	22.3	8.1	8.1	30.5	30.6	86.8	86.8	6.3	6.3	3.3	3.3	7	7	82	82	84	84	818338	806472	<0.2	0.7	0.7	0.8		
											3.5	0.3	207	22.3	8.1	8.1	30.6	30.6	86.8	86.8	6.3	6.3	4.9	4.9	7	7	83	83	84	84	818338	806472	<0.2	0.7	0.7	0.8		
Middle	3.5	0.3	209	22.3						8.1	8.1	30.6	30.6	86.8	86.8	6.3	6.3	4.9	4.9	8	8	83	83	8	8	83	83	818338	806472	<0.2	0.7	0.7	0.8					
	6.0	0.3	198	22.3						8.1	8.1	30.6	30.6	87.5	87.5	6.4	6.4	5.4	5.4	8	8	88	88	9	9	88	88	818338	806472	<0.2	0.9	0.8	0.8					
	6.0	0.4	200	22.3						8.1	8.1	30.6	30.6	87.8	87.8	6.4	6.4	5.4	5.4	9	9	88	88	9	9	88	88	818338	806472	<0.2	0.9	0.8	0.8					
IM2	Fine	Moderate	08:04	8.0						Surface	1.0	0.4	216	22.4	22.4	8.1	8.1	30.6	30.7	85.6	85.6	6.2	6.2	4.4	4.4	7	7	80	80	84	84	818869	806203	<0.2	0.8	0.7	0.7	
											1.0	0.4	216	22.4	8.1	8.1	30.7	30.7	85.5	85.5	6.2	6.2	4.5	4.5	8	8	80	80	8	8	83	83	818869	806203	<0.2	0.7	0.7	0.7
											4.0	0.5	200	22.5	8.1	8.1	30.7	30.7	85.1	85.1	6.2	6.2	5.1	5.1	8	8	83	83	8	8	83	83	818869	806203	<0.2	0.7	0.7	0.7
					Middle	4.0	0.5	201	22.5	8.1	8.1	30.7	30.7	85.0	85.0	6.2	6.2	5.1	5.1	8	8	83	83	8	8	83	83	818869	806203	<0.2	0.7	0.7	0.7					
						7.0	0.4	201	22.5	8.1	8.1	30.8	30.8	87.2	87.2	6.3	6.3	6.2	6.2	8	8	90	90	8	8	89	89	818869	806203	<0.2	0.7	0.7	0.7					
						7.0	0.4	203	22.5	8.1	8.1	30.8	30.8	87.5	87.5	6.3	6.3	6.2	6.2	8	8	90	90	8	8	89	89	818869	806203	<0.2	0.7	0.7	0.7					
					IM3	Fine	Moderate	08:13	7.6	Surface	1.0	0.3	221	22.4	22.4	8.1	8.1	29.9	29.9	86.8	86.8	6.3	6.3	2.1	2.1	9	9	83	83	86	86	819396	806006	<0.2	0.8	0.8	0.8	
											1.0	0.3	223	22.4	8.1	8.1	29.9	29.9	86.8	86.8	6.3	6.3	2.1	2.1	7	7	83	83	8	8	86	86	819396	806006	<0.2	0.8	0.8	0.8
											3.8	0.3	230	22.4	8.1	8.1	30.0	30.0	86.9	86.9	6.3	6.3	3.6	3.6	8	8	86	86	9	9	86	86	819396	806006	<0.2	0.8	0.8	0.8
Middle	3.8	0.2	224	22.4						8.1	8.1	30.0	30.0	86.9	86.9	6.3	6.3	3.5	3.5	8	8	86	86	8	8	86	86	819396	806006	<0.2	0.8	0.8	0.8					
	6.6	0.3	227	22.4						8.1	8.1	29.9	29.9	88.0	88.0	6.4	6.4	4.3	4.3	9	9	90	90	8	8	89	89	819396	806006	<0.2	0.8	0.8	0.8					
	6.6	0.2	225	22.4						8.1	8.1	29.9	29.9	88.2	88.2	6.4	6.4	4.3	4.3	10	10	90	90	8	8	89	89	819396	806006	<0.2	0.8	0.8	0.7					
IM4	Fine	Moderate	08:17	8.2						Surface	1.0	0.3	242	22.5	22.5	8.1	8.1	30.0	30.0	86.5	86.5	6.3	6.3	4.3	4.3	8	8	80	80	83	83	819555	805042	<0.2	0.7	0.7	0.8	
											1.0	0.3	248	22.5	8.1	8.1	30.0	30.0	86.6	86.6	6.3	6.3	4.3	4.3	8	8	80	80	7	7	83	83	819555	805042	<0.2	0.7	0.7	0.8
											4.1	0.2	247	22.5	8.1	8.1	30.0	30.0	86.7	86.7	6.3	6.3	5.1	5.1	7	7	83	83	8	8	83	83	819555	805042	<0.2	0.7	0.7	0.8
					Middle	4.1	0.2	240	22.5	8.1	8.1	30.0	30.0	86.8	86.8	6.3	6.3	5.1	5.1	8	8	83	83	8	8	83	83	819555	805042	<0.2	0.7	0.7	0.8					
						7.2	0.2	233	22.5	8.1	8.1	30.0	30.0	86.9	86.9	6.3	6.3	6.4	6.4	6	6	87	87	8	8	83	83	819555	805042	<0.2	0.8	0.8	0.8					
						7.2	0.2	237	22.5	8.1	8.1	30.0	30.0	86.9	86.9	6.3	6.3	6.4	6.4	6	6	87	87	8	8	83	83	819555	805042	<0.2	0.8	0.8	0.8					
					IM5	Fine	Moderate	08:21	8.6	Surface	1.0	0.1	248	22.6	22.6	8.1	8.1	30.1	30.1	86.9	86.9	6.3	6.3	2.4	2.4	7	7	82	82	86	86	820						

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	07:41	7.0	Surface	1.0	0.4	181	23.2	23.2	8.0	8.0	30.2	30.2	89.6	89.6	6.4	3.5	5	85	88	822079	808814	<0.2	0.5	<0.2	0.5							
						1.0	0.4	175	23.2	8.0	8.0	30.2	30.2	89.5	89.5	6.4	3.5	5	86	86	<0.2	0.5												
						3.5	0.4	181	23.1	8.0	8.0	30.3	30.3	89.3	89.3	6.4	3.7	6	87	87	<0.2	0.5												
					Middle	3.5	0.5	184	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	3.7	6	87	87	<0.2	0.5											
						6.0	0.4	171	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	3.8	6	90	90	<0.2	0.5											
						6.0	0.4	164	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	3.8	5	91	91	<0.2	0.5											
					IM10	Cloudy	Moderate	07:35	7.7	Surface	1.0	0.4	144	23.2	23.2	8.0	8.0	30.3	30.3	90.2	90.2	6.5	3.5	5	86			88	822251	809834	<0.2	0.6	<0.2	0.5
											1.0	0.4	149	23.1	23.1	8.0	8.0	30.3	30.3	90.2	90.2	6.5	3.5	4	85			85	<0.2	0.5				
											3.9	0.4	146	23.1	23.1	8.0	8.0	30.3	30.3	90.2	90.3	6.5	2.5	4	87			87	<0.2	0.5				
Middle	3.9	0.4	148	23.1						23.1	8.0	8.0	30.3	30.3	90.3	90.3	6.5	2.6	4	89	89	<0.2	0.6											
	6.7	0.4	157	23.1						23.1	8.0	8.0	30.3	30.3	90.9	91.0	6.5	2.6	5	90	90	<0.2	0.5											
	6.7	0.4	161	23.1						23.1	8.0	8.0	30.3	30.3	91.0	91.0	6.5	2.7	5	89	89	<0.2	0.5											
IM11	Cloudy	Moderate	07:29	7.6						Surface	1.0	0.2	151	23.1	23.1	8.0	8.0	30.3	30.3	90.6	90.6	6.5	2.5	5	86	88	821489	810556	<0.2	0.5	<0.2	0.5		
											1.0	0.2	152	23.1	23.1	8.0	8.0	30.3	30.3	90.6	90.6	6.5	2.5	4	85	85	<0.2	0.6						
											3.8	0.2	119	23.1	23.1	8.0	8.0	30.3	30.3	91.1	91.1	6.6	2.5	6	88	88	<0.2	0.5						
					Middle	3.8	0.2	114	23.1	23.1	8.0	8.0	30.3	30.3	91.1	91.1	6.6	2.5	5	87	87	<0.2	0.5											
						6.6	0.1	133	23.1	23.1	8.0	8.0	30.3	30.3	92.3	92.4	6.6	3.7	6	90	90	<0.2	0.6											
						6.6	0.2	134	23.1	23.1	8.0	8.0	30.3	30.3	92.5	92.4	6.7	4.6	5	91	91	<0.2	0.5											
					IM12	Cloudy	Moderate	07:19	8.0	Surface	1.0	0.3	128	23.0	23.0	8.0	8.0	30.2	30.2	90.3	90.3	6.5	3.4	5	85	88	821175	811500	<0.2	0.5			<0.2	0.5
											1.0	0.3	121	23.0	23.0	8.0	8.0	30.2	30.2	90.3	90.3	6.5	3.4	5	86	86	<0.2	0.5						
											4.0	0.3	119	22.9	22.9	8.0	8.0	30.2	30.2	90.3	90.3	6.5	3.6	5	87	87	<0.2	0.5						
Middle	4.0	0.3	115	22.9						22.9	8.0	8.0	30.2	30.2	90.3	90.3	6.5	3.6	6	88	88	<0.2	0.5											
	7.0	0.3	141	22.9						22.9	8.0	8.0	30.2	30.2	90.7	90.8	6.6	3.4	5	90	90	<0.2	0.4											
	7.0	0.4	146	22.9						22.9	8.0	8.0	30.2	30.2	90.8	90.8	6.6	3.4	5	91	91	<0.2	0.5											
SR1A	Cloudy	Moderate	06:48	5.9						Surface	1.0	0.0	101	23.0	23.0	8.0	8.0	30.5	30.5	89.6	89.7	6.4	3.2	8	-	-	819977	812653	-	-	-	-		
											1.0	0.0	99	23.0	23.0	8.0	8.0	30.5	30.5	89.7	89.7	6.4	3.3	8	-	-	-	-	-	-				
											3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.9	0.0	116	23.1	23.1	8.0	8.0	30.6	30.6	91.3	91.5	6.6	3.5	6	-	-	-	-	-	-	-	-	-						
						4.9	0.0	118	23.1	23.1	8.0	8.0	30.6	30.6	91.7	91.5	6.6	3.5	6	-	-	-	-	-	-	-	-	-						
					SR2	Cloudy	Moderate	06:32	4.9	Surface	1.0	0.6	31	22.8	22.8	8.0	8.0	30.4	30.4	92.2	92.3	6.7	4.4	6	86	88	821456	814181	<0.2	0.6			<0.2	0.6
											1.0	0.6	24	22.8	22.8	8.0	8.0	30.4	30.4	92.3	92.3	6.7	4.5	5	85	85	<0.2	0.6						
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.9	0.6	7	22.8						22.8	8.0	8.0	30.4	30.4	93.4	93.5	6.8	4.6	6	90	90	<0.2	0.5											
	3.9	0.6	6	22.8						22.8	8.0	8.0	30.4	30.4	93.6	93.5	6.8	4.6	6	91	91	<0.2	0.5											
SR3	Cloudy	Moderate	08:03	8.4						Surface	1.0	0.4	174	23.2	23.2	8.0	8.0	30.2	30.2	89.3	89.3	6.4	4.9	6	-	-	822145	807576	-	-	-	-		
											1.0	0.3	172	23.2	23.2	8.0	8.0	30.2	30.2	89.3	89.3	6.4	5.0	5	-	-	-	-						
											4.2	0.3	167	23.1	23.1	8.0	8.0	30.3	30.3	89.0	89.0	6.4	5.2	5	-	-	-	-						
					Middle	4.2	0.3	162	23.1	23.1	8.0	8.0	30.3	30.3	89.0	89.0	6.4	5.2	6	-	-	-	-											
						7.4	0.3	167	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	5.2	6	-	-	-	-											
						7.4	0.3	172	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	5.2	4	-	-	-	-											
					SR4A	Fine	Moderate	07:37	9.2	Surface	1.0	0.0	297	22.4	22.4	8.1	8.1	30.5	30.5	87.3	87.3	6.4	4.3	7	-	-	817202	807802	-	-			-	-
											1.0	0.0	298	22.3	22.4	8.1	8.1	30.5	30.5	87.3	87.3	6.4	4.3	7	-	-	-	-						
											4.6	0.0	297	22.3	22.3	8.1	8.1	30.4	30.4	87.3	87.3	6.4	5.4	8	-	-	-	-						
Middle	4.6	0.0	289	22.3						22.3	8.1	8.1	30.4	30.4	87.3	87.3	6.4	5.4	8	-	-	-	-											
	8.2	0.0	325	22.3						22.3	8.1	8.1	30.5	30.5	87.2	87.2	6.4	6.4	8	-	-	-	-											
	8.2	0.0	326	22.3						22.3	8.1	8.1	30.5	30.5	87.2	87.2	6.4	6.5	7	-	-	-	-											
SR5A	Fine	Moderate	07:22	5.0						Surface	1.0	0.0	349	22.4	22.4	8.1	8.1	30.6	30.6	88.2	88.3	6.4	4.2	7	-	-	816574	810676	-	-	-	-		
											1.0	0.0	343	22.4	22.4	8.1	8.1	30.6	30.6	88.4	88.3	6.4	4.2	7	-	-	-	-						
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						4.0	0.0	320	22.4	22.4	8.1	8.1	30.7	30.7	89.8	90.0	6.5	5.9	7	-	-	-	-											
						4.0	0.0	318	22.3	22.4	8.1	8.1	30.7	30.7	90.1	90.0	6.6	6.0	8	-	-	-	-											
					SR6	Fine	Moderate	06:58	4.0	Surface	1.0	0.0	273	22.6	22.6	8.1	8.1	30.3	30.3	82.3	82.3	6.0	3.9	9	-	-	817875	814648	-	-			-	-
											1.0	0.0	274	22.6	22.6	8.1	8.1	30.3	30.3	82.3	82.3	6.0	3.8	7	-	-	-	-						
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.0	0.0	271	22.6						22.6	8.1	8.1	30.4	30.4	82.3	82.3	6.0	4.4	8	-	-	-	-											
	3.0	0.0	271	22.6						22.6	8.1	8.1	30.4	30.4	82.3	82.3	6.0	4.4	8	-	-	-	-											
SR7	Cloudy	Moderate	05:33	16.8						Surface	1.0	1.1	65	23.6	23.6	7.9	7.9	31.2	31.2	82.7	82.7	5.9	1.6	4	-	-	823644	823759	-	-	-	-		
											1.0	1.2	61	23.6	23.6	7.9	7.9	31.2	31.2	82.6	82.7	5.9	1.6	4	-	-	-	-						
											8.4	1.1	61	24.0	24.0	7.9	7.9	31.4	31															

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	14:57	7.0	Surface	1.0	0.2	52	22.4	22.4	8.1	8.1	30.7	30.7	87.9	88.0	6.4	6.5	4.3	5.3	6	9	82	87	815607	804260	<0.2	0.7	<0.2	0.7		
						1.0	0.1	51	22.4	8.1	8.1	30.7	30.7	88.1	88.1	6.4	6.5	4.3	5.3	7	9	82	87	815607	804260	<0.2	0.7	<0.2	0.7			
						3.5	0.1	48	22.5	8.1	8.1	30.8	30.8	89.2	89.3	6.5	6.5	5.7	6.0	10	9	86	87	815607	804260	<0.2	0.6	<0.2	0.7			
					Middle	3.5	0.1	46	22.5	8.1	8.1	30.8	30.8	89.4	89.4	6.5	6.5	5.6	6.0	9	9	87	91	87	91	815607	804260	<0.2	0.7	<0.2	0.7	
						6.0	0.1	32	22.5	8.1	8.1	30.8	30.8	90.0	90.0	6.5	6.5	6.0	6.0	9	10	91	91	91	91	815607	804260	<0.2	0.8	<0.2	0.8	
						6.0	0.2	30	22.5	8.1	8.1	30.8	30.8	90.2	90.2	6.5	6.5	6.0	6.0	10	10	91	91	91	91	815607	804260	<0.2	1.0	<0.2	0.9	
C2	Cloudy	Moderate	13:26	11.4	Surface	1.0	0.2	334	23.3	23.3	7.9	7.9	28.9	28.9	89.1	89.1	6.4	6.3	2.2	3.6	4	5	84	87	825706	806945	<0.2	0.9	<0.2	0.8		
						1.0	0.2	334	23.3	7.9	7.9	28.9	28.9	89.0	89.0	6.4	6.3	2.2	3.6	5	5	84	87	825706	806945	<0.2	0.9	<0.2	0.8			
						5.7	0.2	349	23.3	7.9	7.9	30.0	30.0	86.5	86.5	6.2	6.2	3.4	3.5	5	4	87	88	825706	806945	<0.2	0.8	<0.2	1.0			
					Middle	5.7	0.2	348	23.3	7.9	7.9	30.0	30.0	86.4	86.4	6.2	6.2	3.5	3.5	4	5	88	89	88	89	825706	806945	<0.2	1.0	<0.2	1.1	
						10.4	0.2	6	23.3	7.9	7.9	30.2	30.2	86.3	86.3	6.2	6.2	5.2	5.2	5	5	89	90	89	90	825706	806945	<0.2	1.1	<0.2	1.1	
						10.4	0.2	12	23.3	7.9	7.9	30.2	30.2	86.3	86.3	6.2	6.2	5.2	5.2	5	5	90	90	90	90	825706	806945	<0.2	1.1	<0.2	1.1	
C3	Cloudy	Moderate	15:29	11.4	Surface	1.0	0.0	47	23.7	23.7	8.0	8.0	31.1	31.1	84.4	84.4	6.0	6.0	2.7	6.8	6	6	83	86	822105	817783	<0.2	0.6	<0.2	0.8		
						1.0	0.0	48	23.7	8.0	8.0	31.1	31.1	84.3	84.3	6.0	6.0	3.1	7.4	5	6	84	86	822105	817783	<0.2	0.8	<0.2	0.5			
						5.7	0.0	43	23.6	7.9	7.9	31.2	31.2	83.2	83.2	5.9	5.9	7.4	7.7	6	6	86	87	822105	817783	<0.2	0.5	<0.2	0.5			
					Middle	5.7	0.0	45	23.6	7.9	7.9	31.2	31.2	83.2	83.2	5.9	5.9	7.7	7.7	6	6	87	90	87	90	822105	817783	<0.2	0.4	<0.2	0.5	
						10.4	0.0	70	23.6	7.9	7.9	31.2	31.2	83.4	83.4	5.9	5.9	10.2	9.9	7	7	90	88	90	88	822105	817783	<0.2	0.5	<0.2	0.5	
						10.4	0.0	72	23.6	7.9	7.9	31.2	31.2	83.4	83.4	5.9	5.9	9.9	9.9	7	7	88	88	88	88	822105	817783	<0.2	0.5	<0.2	0.5	
IM1	Fine	Moderate	14:49	6.8	Surface	1.0	0.1	14	22.4	22.4	8.1	8.1	30.8	30.8	86.8	86.9	6.3	6.4	3.6	4.3	7	9	83	87	818335	806480	<0.2	0.8	<0.2	0.8		
						1.0	0.1	8	22.4	8.1	8.1	30.8	30.8	86.9	86.9	6.3	6.4	3.8	4.1	8	10	83	87	818335	806480	<0.2	0.8	<0.2	0.8			
						2.0	0.1	36	22.5	8.1	8.1	30.9	30.9	87.6	87.6	6.4	6.4	4.1	4.1	10	10	87	87	818335	806480	<0.2	0.8	<0.2	0.8			
					Middle	3.0	0.1	33	22.5	8.1	8.1	30.9	30.9	87.9	87.8	6.4	6.5	4.1	4.1	10	10	87	91	87	91	818335	806480	<0.2	0.8	<0.2	0.7	
						5.8	0.1	17	22.5	8.1	8.1	31.0	31.0	89.1	89.2	6.5	6.5	5.1	5.1	10	10	91	91	91	91	818335	806480	<0.2	0.7	<0.2	0.8	
						5.8	0.1	20	22.5	8.1	8.1	31.0	31.0	89.3	89.3	6.5	6.5	5.1	5.1	11	11	91	91	91	91	818335	806480	<0.2	0.8	<0.2	0.8	
IM2	Fine	Moderate	14:34	6.6	Surface	1.0	0.2	14	22.5	22.5	8.1	8.1	30.7	30.8	87.0	87.0	6.3	6.3	4.0	5.1	10	10	83	88	818829	806174	<0.2	0.8	<0.2	0.7		
						1.0	0.2	21	22.5	8.1	8.1	30.8	30.8	86.9	86.9	6.3	6.3	4.0	4.0	10	10	83	88	818829	806174	<0.2	0.7	<0.2	0.7			
						3.3	0.2	41	22.4	8.1	8.1	30.8	30.8	86.8	86.8	6.3	6.3	5.1	5.1	9	10	88	89	818829	806174	<0.2	0.7	<0.2	0.7			
					Middle	3.3	0.2	46	22.4	8.1	8.1	30.8	30.8	86.9	86.9	6.3	6.4	5.1	5.1	10	10	88	89	818829	806174	<0.2	0.7	<0.2	0.7			
						5.6	0.2	20	22.4	8.1	8.1	30.8	30.8	87.8	87.8	6.4	6.4	6.1	6.1	9	9	91	91	91	91	818829	806174	<0.2	0.9	<0.2	0.9	
						5.6	0.2	15	22.4	8.1	8.1	30.8	30.8	88.0	87.9	6.4	6.4	6.0	6.0	10	10	91	91	91	91	818829	806174	<0.2	0.8	<0.2	0.8	
IM3	Fine	Moderate	14:30	8.2	Surface	1.0	0.2	29	22.5	22.5	8.1	8.1	30.2	30.2	87.9	87.9	6.4	6.4	2.9	3.6	9	8	85	88	819419	806001	<0.2	0.7	<0.2	0.7		
						1.0	0.2	26	22.5	8.1	8.1	30.2	30.2	87.9	87.9	6.4	6.4	2.8	2.8	8	8	85	88	819419	806001	<0.2	0.7	<0.2	0.7			
						4.1	0.2	36	22.5	8.1	8.1	30.2	30.2	88.3	88.4	6.4	6.4	3.2	3.2	8	8	88	88	819419	806001	<0.2	0.7	<0.2	0.7			
					Middle	4.1	0.2	39	22.5	8.1	8.1	30.1	30.2	88.4	88.4	6.4	6.4	3.2	3.2	9	8	88	88	819419	806001	<0.2	0.7	<0.2	0.7			
						7.2	0.2	22	22.6	8.1	8.1	30.0	30.0	89.6	89.6	6.5	6.5	4.6	4.6	8	8	90	90	90	90	819419	806001	<0.2	0.7	<0.2	0.7	
						7.2	0.2	17	22.6	8.1	8.1	30.0	30.0	89.9	89.9	6.5	6.5	4.6	4.6	8	8	90	90	90	90	819419	806001	<0.2	0.7	<0.2	0.7	
IM4	Fine	Moderate	14:23	8.0	Surface	1.0	0.2	36	22.7	22.7	8.1	8.1	30.4	30.4	87.3	87.4	6.3	6.4	3.1	4.1	9	10	82	87	819598	805046	<0.2	0.6	<0.2	0.7		
						1.0	0.2	32	22.7	8.1	8.1	30.4	30.4	87.4	87.4	6.3	6.4	3.1	3.1	9	9	82	87	819598	805046	<0.2	0.7	<0.2	0.7			
						4.0	0.2	49	22.7	8.1	8.1	30.4	30.4	88.0	88.1	6.4	6.4	4.1	4.1	10	10	87	87	819598	805046	<0.2	0.8	<0.2	0.8			
					Middle	4.0	0.1	50	22.7	8.1	8.1	30.4	30.4	88.2	88.1	6.4	6.4	4.1	4.1	9	9	87	87	819598	805046	<0.2	0.7	<0.2	0.7			
						7.0	0.2	42	22.7	8.1	8.1	30.3	30.3	89.8	89.8	6.5	6.5	5.2	5.2	11	11	92	92	92	92	819598	805046	<0.2	0.7	<0.2	0.7	
						7.0	0.2	42	22.8	8.1	8.1	30.3	30.3	90.1	90.0	6.5	6.5	5.2	5.2	10	10	92	92	92	92	819598	805046	<0.2	0.8	<0.2	0.8	
IM5	Fine	Moderate	14:11	7.6	Surface	1.0	0.1	19	22.7	22.7	8.1	8.1	30.3	30.4	87.3	87.3	6.3	6.4	3.1	4.1	10	9	84	87	820581	804934	<0.2	0.7	<0.2	0.7		
						1.0	0.1	26	22.7	8.1	8.1	30.4	30.4	87.2	87.2	6.3	6.4	3.1	3.1	9	9	84	87	820581	804934	<0.2	0.7	<0.2	0.7			
						3.8	0.1	11	22.7	8.1	8.1	30.3	30.3	87.8	87.9	6.4	6.4	4.5	4.5	8	9	87	87	820581	804934	<0.2	0.8	<0.2	0.8			
					Middle	3.8	0.1	11	22.7	8.1	8.1	30.3	30.3	88.0	88.0	6.4	6.4	4.4	4.4	8	8	87										

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	09:51	7.8	Surface	1.0	0.2	14	23.0	23.0	8.2	8.2	30.4	30.4	87.1	87.1	6.3	6.3	1.5	4	78	85	815610	804264	<0.2	0.7	<0.2	0.7		
						1.0	0.1	17	23.0	8.2	8.2	30.4	30.4	87.0	87.0	6.3	6.3	1.4	5	77	85	<0.2	0.6							
						3.9	0.1	42	22.9	8.2	8.2	30.4	30.5	87.1	87.2	6.3	6.3	2.2	5	86	85	<0.2	0.7							
					3.9	0.1	40	22.8	8.2	8.2	30.5	30.5	87.3	87.3	6.3	6.4	2.3	6	86	85	<0.2	0.6								
					6.8	0.1	30	22.8	8.2	8.2	30.5	30.5	88.7	88.8	6.4	6.4	3.2	7	90	85	<0.2	0.6								
					6.8	0.1	30	22.8	8.2	8.2	30.5	30.5	88.9	88.9	6.4	6.4	3.2	7	90	85	<0.2	0.7								
C2	Cloudy	Moderate	10:53	11.6	Surface	1.0	0.1	354	23.6	23.6	8.0	8.0	29.1	29.1	90.8	90.8	6.5	6.5	2.5	8	84	88	825690	806922	<0.2	0.5	<0.2	0.6		
						1.0	0.1	355	23.6	8.0	8.0	29.1	29.1	90.8	90.8	6.5	6.5	2.5	6	85	88	<0.2	0.6							
						5.8	0.1	325	23.5	8.0	8.0	29.3	29.3	90.2	90.3	6.5	6.5	4.6	7	88	88	<0.2	0.5							
					5.8	0.1	321	23.5	8.0	8.0	29.3	29.3	90.3	90.3	6.5	6.5	4.0	6	88	88	<0.2	0.6								
					10.6	0.1	351	23.5	8.0	8.0	29.3	29.3	90.5	90.5	6.5	6.5	5.4	5	91	88	<0.2	0.6								
					10.6	0.1	348	23.5	8.0	8.0	29.3	29.3	90.5	90.5	6.5	6.5	5.5	5	89	88	<0.2	0.7								
C3	Cloudy	Moderate	08:40	11.5	Surface	1.0	0.3	276	23.5	23.5	7.9	7.9	30.6	30.6	84.7	84.6	6.0	6.0	3.5	5	85	87	822090	817802	<0.2	0.6	<0.2	0.6		
						1.0	0.3	270	23.5	7.9	7.9	30.6	30.6	84.5	84.5	6.0	6.0	3.7	6	84	87	<0.2	0.6							
						5.8	0.2	308	23.6	7.9	7.9	30.9	30.9	83.5	83.5	5.9	5.9	5.9	5	87	88	<0.2	0.7							
					5.8	0.2	302	23.7	7.9	7.9	30.9	30.9	83.5	83.5	5.9	5.9	5.9	6	88	88	<0.2	0.6								
					10.5	0.3	302	23.7	7.9	7.9	31.1	31.1	84.3	84.4	6.0	6.0	3.2	6	89	88	<0.2	0.6								
					10.5	0.3	295	23.7	7.9	7.9	31.1	31.1	84.4	84.4	6.0	6.0	3.3	7	90	88	<0.2	0.6								
IM1	Fine	Moderate	10:01	7.0	Surface	1.0	0.0	24	22.9	22.9	8.2	8.2	30.2	30.2	88.4	88.4	6.4	6.4	3.3	4	73	78	818362	806446	<0.2	0.7	<0.2	0.7		
						1.0	0.0	17	22.9	8.2	8.2	30.2	30.2	88.4	88.4	6.4	6.4	3.3	5	73	78	<0.2	0.7							
						3.5	0.1	10	22.9	8.2	8.2	30.2	30.3	89.7	89.8	6.5	6.5	3.7	3	79	79	<0.2	0.6							
					3.5	0.1	15	22.9	8.2	8.2	30.3	30.3	89.8	89.8	6.5	6.5	3.7	2	79	79	<0.2	0.7								
					6.0	0.0	9	22.9	8.2	8.2	30.3	30.3	91.0	91.2	6.6	6.6	4.1	2	83	83	<0.2	0.6								
					6.0	0.0	2	22.9	8.2	8.2	30.3	30.3	91.3	91.3	6.6	6.6	4.0	3	83	83	<0.2	0.6								
IM2	Fine	Moderate	10:07	8.2	Surface	1.0	0.1	268	23.0	23.0	8.2	8.2	29.9	29.9	89.3	89.4	6.4	6.4	1.9	5	45	74	818828	806205	<0.2	0.6	<0.2	0.7		
						1.0	0.1	270	23.0	8.2	8.2	29.9	29.9	89.4	89.4	6.5	6.5	1.9	4	45	84	<0.2	0.6							
						4.1	0.1	249	23.1	8.2	8.2	30.1	30.1	90.6	90.7	6.5	6.5	2.0	4	87	87	<0.2	0.7							
					4.1	0.1	254	23.1	8.2	8.2	30.1	30.1	90.7	90.7	6.5	6.5	1.9	3	87	87	<0.2	0.7								
					7.2	0.1	231	23.1	8.2	8.2	30.0	30.0	91.5	91.6	6.6	6.6	2.1	4	89	89	<0.2	0.7								
					7.2	0.1	235	23.1	8.2	8.2	30.0	30.0	91.7	91.7	6.6	6.6	2.0	3	89	89	<0.2	0.8								
IM3	Fine	Moderate	10:22	7.6	Surface	1.0	0.1	357	22.9	22.9	8.2	8.2	29.2	29.2	90.2	90.3	6.5	6.5	1.9	4	46	74	819391	806035	<0.2	0.8	<0.2	0.8		
						1.0	0.1	350	22.9	8.2	8.2	29.2	29.2	90.3	90.3	6.6	6.6	1.9	4	46	87	<0.2	0.9							
						3.8	0.1	2	22.9	8.2	8.2	29.3	29.3	91.2	91.3	6.6	6.6	2.1	4	87	87	<0.2	0.8							
					3.8	0.1	357	22.9	8.2	8.2	29.3	29.3	91.4	91.4	6.6	6.6	2.0	5	87	87	<0.2	0.7								
					6.6	0.2	339	22.9	8.2	8.2	29.3	29.3	92.2	92.3	6.7	6.7	2.3	4	90	90	<0.2	0.7								
					6.6	0.2	337	22.9	8.2	8.2	29.3	29.3	92.4	92.4	6.7	6.7	2.4	6	90	90	<0.2	0.7								
IM4	Fine	Moderate	10:36	8.0	Surface	1.0	0.2	333	22.9	22.9	8.2	8.2	29.5	29.5	89.8	89.9	6.5	6.5	2.5	3	82	85	819563	805028	<0.2	0.7	<0.2	0.7		
						1.0	0.2	325	22.9	8.2	8.2	29.5	29.5	89.9	89.9	6.5	6.5	2.5	3	83	86	<0.2	0.7							
						4.0	0.1	335	22.9	8.2	8.2	29.5	29.5	91.0	91.1	6.6	6.6	3.0	4	86	86	<0.2	0.8							
					4.0	0.1	331	22.9	8.2	8.2	29.5	29.5	91.1	91.1	6.6	6.6	3.1	4	86	86	<0.2	0.8								
					7.0	0.2	317	22.9	8.2	8.2	29.5	29.5	91.9	92.0	6.7	6.7	3.4	4	86	86	<0.2	0.6								
					7.0	0.2	322	22.9	8.2	8.2	29.5	29.5	92.1	92.1	6.7	6.7	3.4	5	86	86	<0.2	0.6								
IM5	Fine	Moderate	10:46	8.6	Surface	1.0	0.2	324	22.9	22.9	8.2	8.2	29.5	29.5	88.7	88.8	6.4	6.4	1.1	5	69	82	820560	804924	<0.2	0.8	<0.2	0.8		
						1.0	0.3	318	22.9	8.2	8.2	29.5	29.5	88.8	88.8	6.4	6.4	1.1	4	69	87	<0.2	0.7							
						4.3	0.2	317	22.9	8.2	8.2	29.5	29.5	88.8	88.8	6.4	6.4	2.1	4	87	87	<0.2	0.8							
					4.3	0.2	322	22.9	8.2	8.2	29.5	29.5	88.8	88.8	6.4	6.4	2.1	3	87	87	<0.2	0.7								
					7.6	0.2	329	22.9	8.2	8.2	29.4	29.4	89.0	89.0	6.5	6.5	2.6	3	91	91	<0.2	0.8								
					7.6	0.3	334	22.9	8.2	8.2	29.4	29.4	89.0	89.0	6.5	6.5	2.6	4	91	91	<0.2	0.8								
IM6	Fine	Moderate	10:57	7.6	Surface	1.0	0.2	306	22.9	22.9	8.2	8.2	29.8	29.8	88.5	88.6	6.4	6.4	1.1	3	46	75	821082	805810	<0.2	0.6	<0.2	0.7		
						1.0	0.2	309	22.9	8.2	8.2	29.8	29.8	88.6	88.6	6.4	6.4	1.1	4	45	87	<0.2	0.6							
						3.8	0.2	298	22.9	8.2	8.2	29.8	29.9	88.9	89.0	6.4	6.4	2.2	4	87	87	<0.2	0.6							
					3.8	0.1	298	22.9	8.2	8.2	29.8	29.9	89.1	89.1	6.5	6.5	2.2	4	87	87	<0.2	0.7								
					6.6	0.2	304	22.9	8.2	8.2	29.7	29.7	90.2	90.3	6.5	6.5	3.2	4	91	91	<0.2	0.7								
					6.6	0.1	303	22.9	8.2	8.2	29.7	29.7	90.3	90.3	6.5	6.5	3.2	5	91	91	<0.2	0.7								
IM7	Fine	Moderate	11:10	8.0	Surface	1.0	0.2	330	22.9	22.9	8.2	8.2	29.8	29.8	87.9	87.9	6.4	6.4	2.6	5	43	74	821331	806854	<0.2	0.6	<0.2	0.7		
						1.0	0.1	336	22.9	8.2	8.2	29.8	29.8	87.9	87.9	6.4	6.4	2.6	4	43	88	<0.2	0.6							
						4.0	0.2	322	22.9	8.2	8.2	29.8	29.8	87.9	87.9	6.4	6.4	3.0	5	88	88	<0.2	0.6							
					4.0	0.2	325	22.9	8.2	8.2	29.8	29.8	87.9	87.9	6.4	6.4	3.0	4	88	88	<0.2	0.6								
					7.0	0.2	322	22.9	8.2	8.2	29.8	29.8	88.3	88.4	6.4	6.4	4.4	5	90	90	<0.2	0.7								
					7.0	0.2	327	22.9	8.2	8.2	29.8	29.8	88.4	88.4	6.4	6.4	4.3	6	91	91	<0.2	0.7								
IM8	Cloudy																													

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

Water Quality Monitoring Results on 23 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Fine	Moderate	17:13	7.2	Surface	1.0	0.1	200	22.9	22.9	8.2	8.2	29.4	29.5	88.2	88.3	6.4	6.4	1.0	1.0	3	3	84	84			<0.2	0.6			
						1.0	0.1	192	22.9	8.2	8.2	29.5	29.5	88.3	88.3	6.4	6.4	1.1	1.1	3	3	84	84			<0.2	0.7				
						3.6	0.1	190	22.9	8.2	8.2	29.4	29.5	88.6	88.7	6.4	6.4	1.1	1.1	4	4	87	87			<0.2	0.7				
					Middle	3.6	0.1	195	22.9	8.2	8.2	29.5	29.5	88.7	88.7	6.4	6.4	1.1	1.1	4	4	87	87			<0.2	0.6				
						6.2	0.0	187	23.0	8.2	8.2	29.4	29.4	89.1	89.1	6.5	6.5	2.3	2.3	4	4	91	91			<0.2	0.6				
						6.2	0.1	191	23.0	8.2	8.2	29.4	29.4	89.1	89.1	6.5	6.5	2.3	2.3	4	4	91	91			<0.2	0.7				
C2	Cloudy	Moderate	14:37	10.8	Surface	1.0	0.1	332	23.7	23.7	7.9	7.9	27.5	27.5	90.6	90.6	6.6	6.6	1.1	1.1	4	4	78	78			<0.2	1.0			
						1.0	0.1	334	23.7	7.9	7.9	27.5	27.5	90.5	90.5	6.5	6.5	1.1	1.1	4	4	78	78			<0.2	1.1				
						5.4	0.1	330	23.5	7.9	7.9	29.6	29.6	84.8	84.8	6.1	6.1	4.2	4.2	5	5	80	80			<0.2	0.9				
					Middle	5.4	0.1	330	23.5	7.9	7.9	29.6	29.6	84.8	84.8	6.1	6.1	4.4	4.4	4	4	81	81			<0.2	0.8				
						9.8	0.1	322	23.5	7.9	7.9	29.7	29.7	84.8	84.8	6.1	6.1	9.1	9.1	5	5	82	82			<0.2	0.8				
						9.8	0.1	315	23.5	7.9	7.9	29.7	29.7	84.8	84.8	6.1	6.1	9.0	9.0	6	6	83	83			<0.2	0.8				
C3	Cloudy	Moderate	16:23	10.6	Surface	1.0	0.1	95	23.8	23.8	7.9	7.9	30.9	30.9	84.9	84.9	6.0	6.0	1.8	1.8	6	6	78	78			<0.2	0.4			
						1.0	0.1	88	23.8	7.9	7.9	30.9	30.9	84.8	84.8	6.0	6.0	1.8	1.8	5	5	78	78			<0.2	0.4				
						5.3	0.1	89	23.8	7.9	7.9	31.0	31.0	85.1	85.1	6.0	6.0	13.4	13.4	6	6	81	81			<0.2	0.4				
					Middle	5.3	0.1	88	23.8	7.9	7.9	31.0	31.0	85.2	85.2	6.0	6.0	13.0	13.0	6	6	81	81			<0.2	0.5				
						9.6	0.1	72	23.8	7.9	7.9	31.0	31.0	87.1	87.1	6.2	6.2	9.1	9.1	6	6	84	84			<0.2	0.5				
						9.6	0.1	78	23.8	7.9	7.9	31.0	31.0	87.4	87.4	6.2	6.2	9.5	9.5	7	7	82	82			<0.2	0.5				
IM1	Fine	Moderate	17:04	6.6	Surface	1.0	0.0	175	22.9	22.9	8.2	8.2	29.6	29.6	89.9	90.0	6.5	6.5	1.0	1.0	5	5	82	82			<0.2	0.8			
						1.0	0.0	168	22.9	8.2	8.2	29.6	29.6	90.1	90.1	6.5	6.5	1.0	1.0	5	5	82	82			<0.2	0.9				
						3.3	-	169	22.9	8.2	8.2	29.6	29.6	90.7	90.8	6.6	6.6	1.0	1.0	4	4	86	86			<0.2	0.9				
					Middle	3.3	0.0	172	22.9	8.2	8.2	29.6	29.6	90.9	90.9	6.6	6.6	1.0	1.0	5	5	86	86			<0.2	0.8				
						5.6	0.0	173	22.9	8.2	8.2	29.6	29.6	92.0	92.2	6.7	6.7	1.1	1.1	4	4	87	87			<0.2	0.6				
						5.6	0.0	167	22.9	8.2	8.2	29.6	29.6	92.4	92.4	6.7	6.7	1.1	1.1	4	4	87	87			<0.2	0.6				
IM2	Fine	Moderate	16:39	6.8	Surface	1.0	0.0	104	23.0	23.0	8.2	8.2	30.1	30.1	91.8	91.8	6.6	6.6	2.1	2.1	3	3	46	46			<0.2	0.8			
						1.0	0.1	105	23.0	8.2	8.2	30.1	30.1	91.8	91.8	6.6	6.6	2.1	2.1	4	4	46	46			<0.2	0.7				
						3.4	0.0	103	23.0	8.2	8.2	30.3	30.3	92.5	92.5	6.7	6.7	3.1	3.1	4	4	87	87			<0.2	0.7				
					Middle	3.4	0.0	109	23.0	8.2	8.2	30.3	30.3	92.5	92.5	6.7	6.7	3.1	3.1	5	5	87	87			<0.2	0.8				
						5.8	0.0	108	23.0	8.2	8.2	30.3	30.3	92.7	92.8	6.7	6.7	4.2	4.2	6	6	91	91			<0.2	0.7				
						5.8	0.0	108	23.0	8.2	8.2	30.2	30.3	92.8	92.8	6.7	6.7	4.3	4.3	5	5	92	92			<0.2	0.7				
IM3	Fine	Moderate	16:31	8.4	Surface	1.0	0.1	106	23.3	23.3	8.2	8.2	30.3	30.3	88.8	88.8	6.4	6.4	2.0	2.0	5	5	44	44			<0.2	0.6			
						1.0	0.1	103	23.3	8.2	8.2	30.3	30.3	88.8	88.8	6.4	6.4	2.0	2.0	6	6	44	44			<0.2	0.6				
						4.2	0.0	125	23.3	8.2	8.2	30.3	30.3	88.9	88.9	6.4	6.4	3.4	3.4	5	5	91	91			<0.2	0.7				
					Middle	4.2	0.0	124	23.3	8.2	8.2	30.3	30.3	88.9	88.9	6.4	6.4	3.4	3.4	4	4	91	91			<0.2	0.6				
						7.4	0.0	97	23.3	8.2	8.2	30.3	30.3	89.1	89.1	6.4	6.4	4.6	4.6	4	4	94	94			<0.2	0.8				
						7.4	0.1	97	23.3	8.2	8.2	30.3	30.3	89.1	89.1	6.4	6.4	4.6	4.6	5	5	94	94			<0.2	0.7				
IM4	Fine	Moderate	16:25	8.0	Surface	1.0	0.0	127	23.3	23.3	8.2	8.2	30.3	30.3	90.5	90.6	6.5	6.5	3.1	3.1	5	5	83	83			<0.2	0.6			
						1.0	0.1	134	23.3	8.2	8.2	30.3	30.3	90.6	90.6	6.5	6.5	3.1	3.1	4	4	83	83			<0.2	0.7				
						4.0	0.1	123	23.3	8.2	8.2	30.3	30.3	91.7	91.8	6.6	6.6	4.1	4.1	3	3	90	90			<0.2	0.6				
					Middle	4.0	0.1	122	23.3	8.2	8.2	30.3	30.3	91.9	91.9	6.6	6.6	4.1	4.1	3	3	90	90			<0.2	0.8				
						7.0	0.0	116	23.1	8.2	8.2	30.3	30.3	87.5	87.5	6.3	6.3	6.4	6.4	3	3	95	95			<0.2	0.9				
						7.0	0.0	117	23.1	8.2	8.2	30.3	30.3	87.5	87.5	6.3	6.3	6.5	6.5	2	2	95	95			<0.2	0.9				
IM5	Fine	Moderate	16:18	8.2	Surface	1.0	0.1	136	23.1	23.1	8.2	8.2	30.4	30.4	87.4	87.4	6.3	6.3	4.3	4.3	2	2	46	46			<0.2	0.7			
						1.0	0.1	142	23.1	8.2	8.2	30.4	30.4	87.4	87.4	6.3	6.3	4.3	4.3	3	3	46	46			<0.2	0.6				
						4.1	0.1	119	23.1	8.2	8.2	30.4	30.4	87.4	87.5	6.3	6.3	5.7	5.7	4	4	88	88			<0.2	0.8				
					Middle	4.1	0.1	115	23.1	8.2	8.2	30.4	30.4	87.5	87.5	6.3	6.3	5.8	5.8	5	5	88	88			<0.2	0.7				
						7.2	0.1	128	23.1	8.2	8.2	30.4	30.4	87.6	87.7	6.3	6.3	6.3	6.3	5	5	90	90			<0.2	1.0				
						7.2	0.1	120	23.1	8.2	8.2	30.4	30.4	87.7	87.7	6.3	6.3	6.3	6.3	5	5	90	90			<0.2	1.0				
IM6	Fine	Moderate	16:11	7.6	Surface	1.0	0.1	96	23.1	23.1	8.2	8.2	30.3	30.3	89.3	89.5	6.4	6.4	2.0	2.0	4	4	46	46			<0.2	0.7			
						1.0	0.2	92	23.1	8.2	8.2	30.3	30.3	89.6	89.6	6.4	6.4	2.0	2.0	4	4	45	45			<0.2	0.7				
						3.8	0.1	110	23.1	8.2	8.2	30.3	30.3	90.6	90.6	6.5	6.5	3.2	3.2	4	4	88	88			<0.2	0.9				
					Middle	3.8	0.1	107	23.1	8.2	8.2	30.3	30.3	90.5	90.5	6.5	6.5	3.2	3.2	4	4	88	88			<0.2	1.0				
						6.6	0.1	108	23.1	8.																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM9	Cloudy	Moderate	15:13	6.8	Surface	1.0	0.1	30	23.7	23.7	8.0	8.0	29.2	29.2	92.6	92.6	6.6	6.6	2.6	2.6	3	3	79	79	81	822089	808793	<0.2	0.8	<0.2	0.8		
						1.0	0.1	28	23.7	23.7	8.0	8.0	29.2	29.2	92.5	92.5	6.6	6.6	2.6	2.6	2	2	80	80	81	822089	808793	<0.2	0.9	<0.2	0.8		
						3.4	0.1	25	23.6	23.6	8.0	8.0	29.2	29.2	91.9	91.9	6.6	6.6	2.7	2.7	4	4	82	82	81	822089	808793	<0.2	0.7	<0.2	0.8		
					Middle	3.4	0.1	18	23.6	23.6	8.0	8.0	29.2	29.2	91.9	91.9	6.6	6.6	2.8	2.8	3	3	83	83	81	822089	808793	<0.2	0.4	<0.2	0.8	<0.2	0.8
						5.8	0.1	51	23.6	23.6	7.9	7.9	29.2	29.2	91.6	91.6	6.6	6.6	2.7	2.7	6	6	78	78	81	822089	808793	<0.2	0.8	<0.2	0.8		
						5.8	0.2	45	23.6	23.6	7.9	7.9	29.2	29.2	91.6	91.6	6.6	6.6	2.7	2.7	5	5	83	83	81	822089	808793	<0.2	0.8	<0.2	0.8		
IM10	Cloudy	Moderate	15:24	7.5	Surface	1.0	0.1	12	23.8	23.8	8.0	8.0	29.3	29.3	92.5	92.5	6.6	6.6	1.6	1.6	3	3	81	81	84	822218	809855	<0.2	0.8	<0.2	0.8		
						1.0	0.1	19	23.8	23.8	8.0	8.0	29.3	29.3	92.4	92.4	6.6	6.6	1.7	1.7	3	3	79	79	84	822218	809855	<0.2	0.8	<0.2	0.8		
						3.8	0.0	6	23.7	23.7	7.9	7.9	29.4	29.4	91.5	91.5	6.6	6.6	3.1	3.1	4	4	82	82	84	822218	809855	<0.2	0.8	<0.2	0.8		
					Middle	3.8	-	0	23.7	23.7	7.9	7.9	29.4	29.4	91.5	91.5	6.6	6.6	3.2	3.2	3	3	84	84	84	822218	809855	<0.2	0.7	<0.2	0.8		
						6.5	0.0	17	23.6	23.7	7.9	7.9	29.4	29.4	91.2	91.2	6.5	6.5	3.3	3.3	4	4	88	88	84	822218	809855	<0.2	0.8	<0.2	0.8		
						6.5	0.1	20	23.7	23.7	7.9	7.9	29.4	29.4	91.2	91.2	6.5	6.5	3.3	3.3	5	5	87	87	84	822218	809855	<0.2	0.7	<0.2	0.8		
IM11	Cloudy	Moderate	15:45	8.2	Surface	1.0	0.0	72	22.7	22.7	8.1	8.1	30.4	30.4	81.2	81.3	5.9	5.9	1.0	1.0	6	6	79	79	83	821495	810534	<0.2	0.5	<0.2	0.5		
						1.0	0.0	77	22.7	22.7	8.1	8.1	30.4	30.4	81.4	81.4	5.9	5.9	1.0	1.0	5	5	81	81	83	821495	810534	<0.2	0.5	<0.2	0.5		
						4.1	0.0	81	22.6	22.6	8.1	8.1	30.4	30.4	82.0	82.1	6.0	6.0	2.1	2.1	6	6	82	82	83	821495	810534	<0.2	0.5	<0.2	0.5		
					Middle	4.1	0.0	87	22.6	22.6	8.1	8.1	30.4	30.4	82.2	82.1	6.0	6.0	2.1	2.1	5	5	82	82	83	821495	810534	<0.2	0.5	<0.2	0.5		
						7.2	0.0	46	22.6	22.6	8.1	8.1	30.4	30.4	88.0	88.3	6.4	6.4	3.2	3.2	5	5	87	87	83	821495	810534	<0.2	0.5	<0.2	0.5		
						7.2	0.0	52	22.6	22.6	8.1	8.1	30.4	30.4	88.6	88.3	6.5	6.5	3.2	3.2	5	5	87	87	83	821495	810534	<0.2	0.4	<0.2	0.5		
IM12	Cloudy	Moderate	15:50	10.0	Surface	1.0	0.1	52	22.7	22.7	8.1	8.1	30.4	30.4	81.2	81.3	5.9	5.9	1.1	1.1	4	4	79	79	83	821185	811524	<0.2	0.5	<0.2	0.5		
						1.0	0.0	52	22.7	22.7	8.1	8.1	30.4	30.4	81.4	81.4	5.9	5.9	1.1	1.1	5	5	79	79	83	821185	811524	<0.2	0.5	<0.2	0.5		
						5.0	0.0	68	22.6	22.6	8.1	8.1	30.4	30.4	82.1	82.1	6.0	6.0	2.7	2.7	3	3	82	82	83	821185	811524	<0.2	0.5	<0.2	0.5		
					Middle	5.0	0.0	69	22.6	22.6	8.1	8.1	30.4	30.4	82.1	82.1	6.0	6.0	2.7	2.7	4	4	83	83	83	821185	811524	<0.2	0.5	<0.2	0.5		
						9.0	0.0	40	22.6	22.6	8.1	8.1	30.3	30.3	88.1	88.3	6.4	6.4	3.0	3.0	3	3	88	88	83	821185	811524	<0.2	0.4	<0.2	0.5		
						9.0	0.1	34	22.6	22.6	8.1	8.1	30.3	30.3	88.4	88.3	6.5	6.5	3.0	3.0	4	4	87	87	83	821185	811524	<0.2	0.5	<0.2	0.5		
SR1A	Cloudy	Moderate	16:11	5.1	Surface	1.0	-	186	23.9	23.9	7.9	7.9	29.9	29.9	91.8	91.8	6.5	6.5	2.5	2.5	3	3	-	-	-	-	819973	812654	-	-	-	-	
						1.0	-	182	23.9	23.9	7.9	7.9	29.9	29.9	91.8	91.8	6.5	6.5	2.7	2.7	4	4	-	-	-	-	-	-	-	-	-	-	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.1	0.1	193	23.9	23.9	7.9	7.9	30.0	30.0	91.8	91.8	6.5	6.5	2.9	2.9	5	5	-	-	-	-	-	-	-	-	-	-	-
						4.1	0.1	187	23.8	23.8	7.9	7.9	30.0	30.0	91.7	91.8	6.5	6.5	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	16:18	4.9	Surface	1.0	0.1	104	23.6	23.6	8.0	8.0	30.0	30.0	90.2	90.2	6.4	6.4	5.1	5.1	3	3	80	80	81	821478	814174	<0.2	0.4	<0.2	0.5		
						1.0	0.1	107	23.6	23.6	8.0	8.0	30.0	30.0	90.2	90.2	6.4	6.4	5.3	5.3	3	3	81	81	81	821478	814174	<0.2	0.5	<0.2	0.5		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.9	0.1	75	23.6	23.6	7.9	7.9	30.0	30.0	89.9	89.9	6.4	6.4	10.7	10.7	5	5	82	82	81	821478	814174	<0.2	0.4	<0.2	0.5		
						3.9	0.1	72	23.6	23.6	7.9	7.9	30.0	30.0	89.9	89.9	6.4	6.4	12.0	12.0	4	4	82	82	81	821478	814174	<0.2	0.5	<0.2	0.5		
SR3	Cloudy	Moderate	14:57	8.2	Surface	1.0	0.1	9	23.9	23.9	7.9	7.9	27.5	27.6	94.1	94.1	6.8	6.8	0.5	0.5	3	3	-	-	-	-	822123	807583	-	-	-	-	
						1.0	0.1	3	23.9	23.9	7.9	7.9	27.6	27.6	94.0	94.1	6.8	6.8	0.5	0.5	2	2	-	-	-	-	-	-	-	-	-		
						4.1	0.2	8	23.8	23.8	7.9	7.9	28.2	28.3	92.1	92.1	6.6	6.6	0.8	0.8	2	2	-	-	-	-	-	-	-	-			
					Middle	4.1	0.2	7	23.8	23.8	7.9	7.9	28.3	28.3	92.0	92.1	6.6	6.6	0.7	0.7	3	3	-	-	-	-	-	-	-	-	-		
						7.2	0.1	359	23.7	23.7	7.9	7.9	28.4	28.4	91.7	91.7	6.6	6.6	0.5	0.5	3	3	-	-	-	-	-	-	-	-			
						7.2	0.1	355	23.7	23.7	7.9	7.9	28.4	28.4	91.7	91.7	6.6	6.6	0.5	0.5	3	3	-	-	-	-	-	-	-				
SR4A	Fine	Moderate	17:24	9.4	Surface	1.0	0.1	75	22.9	22.9	8.2	8.2	29.5	29.5	87.5	87.5	6.4	6.4	1.1	1.1	4	4	-	-	-	-	817201	807797	-	-	-	-	
						1.0	0.0	73	22.9	22.9	8.2	8.2	29.5	29.5	87.5	87.5	6.4	6.4	1.1	1.1	3	3	-	-	-	-	-	-	-				
						4.7	0.0	96	22.9	22.9	8.2	8.2	29.6	29.6	87.7	87.8	6.4	6.4	2.1	2.1	4	4	-	-	-	-	-	-					
					Middle	4.7	0.0	96	22.9	22.9	8.2	8.2	29.6	29.6	87.8	87.8	6.4	6.4	2.1	2.1	5	5	-	-	-	-	-	-					
						8.4	0.0	63	22.9	23.0	8.2	8.2	29.5	29.5	88.3	88.4	6.4	6.4	3.6	3.6	4	4	-	-	-	-	-	-					
						8.4	0.0	56	23.0	23.0	8.2	8.2	2																				

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Rough	11:08	7.8	Surface	1.0	0.3	224	23.5	23.5	8.0	8.0	31.5	31.5	91.4	91.4	6.5	4.8	5	80	83	815623	804241	83	804241	<0.2	0.7	0.8				
						1.0	0.4	224	23.5	8.0	8.0	31.5	31.5	91.4	91.4	6.5	4.8	5	80	0.9												
						3.9	0.3	221	23.5	8.0	8.0	31.5	31.5	91.0	91.0	6.5	4.9	6	82	0.7												
					Middle	3.9	0.2	227	23.5	8.0	8.0	31.5	31.5	91.0	91.0	6.5	4.9	7	82	0.6												
						6.8	0.3	234	23.4	8.0	8.0	31.8	31.8	89.5	89.5	6.4	7.4	7	88	0.6												
						6.8	0.3	237	23.4	8.0	8.0	31.8	31.8	89.6	89.6	6.4	7.5	8	88	0.6												
C2	Cloudy	Moderate	12:20	12.7	Surface	1.0	0.5	166	22.9	22.9	8.2	8.2	30.0	30.0	86.6	86.6	6.3	3.1	3	84	88	825699	806951	88	806951	<0.2	0.7	0.7				
						1.0	0.5	170	22.9	8.2	8.2	30.0	30.0	86.5	86.5	6.3	3.2	4	85	0.7												
						6.4	0.4	171	22.7	8.2	8.2	30.2	30.2	86.9	86.9	6.3	4.4	4	88	0.8												
					Middle	6.4	0.5	177	22.7	8.2	8.2	30.2	30.2	87.0	87.0	6.3	5.0	4	88	0.7												
						11.7	0.4	153	22.8	8.2	8.2	30.1	30.1	89.3	89.3	6.5	8.6	5	91	0.7												
						11.7	0.4	156	22.8	8.2	8.2	30.1	30.1	89.6	89.6	6.5	8.5	6	89	0.8												
C3	Cloudy	Moderate	10:20	12.0	Surface	1.0	0.2	71	23.4	23.4	8.1	8.1	31.2	31.2	78.4	78.4	5.6	1.6	4	85	87	822109	817810	87	817810	<0.2	0.8	0.8				
						1.0	0.2	65	23.4	8.1	8.1	31.2	31.2	78.4	78.4	5.6	1.6	4	84	0.9												
						6.0	0.2	83	23.4	8.1	8.1	31.2	31.2	77.7	77.7	5.5	5.7	4	87	0.8												
					Middle	6.0	0.1	76	23.4	8.1	8.1	31.2	31.2	77.7	77.7	5.5	5.8	5	88	0.8												
						11.0	0.2	101	23.4	8.1	8.1	31.2	31.2	76.8	76.8	5.5	4.2	5	89	0.8												
						11.0	0.2	105	23.4	8.1	8.1	31.2	31.2	76.4	76.4	5.5	4.8	4	90	0.8												
IM1	Sunny	Moderate	11:27	6.7	Surface	1.0	0.3	190	23.6	23.6	8.0	8.0	31.7	31.7	90.7	90.7	6.4	6.0	7	82	87	818330	806459	87	806459	<0.2	0.6	0.6				
						1.0	0.3	192	23.6	8.0	8.0	31.7	31.7	90.7	90.7	6.4	6.1	6	82	0.6												
						3.4	0.2	181	23.4	8.0	8.0	31.7	31.7	89.4	89.4	6.3	9.0	7	86	0.6												
					Middle	3.4	0.2	179	23.4	8.0	8.0	31.7	31.7	89.4	89.4	6.3	9.0	6	87	0.5												
						5.7	0.3	201	23.4	8.0	8.0	31.8	31.8	89.6	89.6	6.4	9.7	7	91	0.6												
						5.7	0.3	205	23.4	8.0	8.0	31.8	31.8	89.6	89.6	6.4	9.7	8	91	0.5												
IM2	Sunny	Moderate	11:37	6.9	Surface	1.0	0.2	209	23.6	23.6	8.0	8.0	31.7	31.7	90.9	90.9	6.4	5.9	9	82	85	818838	806192	85	806192	<0.2	0.8	0.8				
						1.0	0.2	205	23.6	8.0	8.0	31.7	31.7	90.9	90.9	6.4	5.9	10	82	0.9												
						3.5	0.3	194	23.6	8.0	8.0	31.7	31.7	90.7	90.7	6.4	5.7	10	84	0.7												
					Middle	3.5	0.3	196	23.6	8.0	8.0	31.7	31.7	90.7	90.7	6.4	5.7	10	84	0.8												
						5.9	0.3	196	23.4	8.0	8.0	31.7	31.7	89.7	89.7	6.4	7.7	10	88	0.7												
						5.9	0.2	196	23.4	8.0	8.0	31.7	31.7	89.7	89.7	6.4	7.6	10	88	0.8												
IM3	Sunny	Moderate	11:52	7.1	Surface	1.0	0.2	195	23.4	23.4	8.0	8.0	31.1	31.1	91.1	91.1	6.5	2.9	9	83	87	819407	806028	87	806028	<0.2	0.8	0.8				
						1.0	0.3	193	23.4	8.0	8.0	31.1	31.1	91.1	91.1	6.5	2.9	8	83	0.8												
						3.6	0.3	182	23.4	8.0	8.0	31.3	31.3	90.9	90.9	6.5	4.8	7	87	0.7												
					Middle	3.6	0.2	180	23.4	8.0	8.0	31.2	31.2	90.9	90.9	6.5	4.8	6	87	0.9												
						6.1	0.3	218	23.4	8.0	8.0	31.7	31.7	90.4	90.4	6.4	7.6	7	91	0.7												
						6.1	0.3	217	23.4	8.0	8.0	31.7	31.7	90.4	90.4	6.4	7.6	6	91	0.8												
IM4	Sunny	Moderate	12:05	8.3	Surface	1.0	0.3	201	23.4	23.4	8.0	8.0	30.7	30.7	91.1	91.1	6.5	1.7	7	82	86	819551	805048	86	805048	<0.2	0.6	0.6				
						1.0	0.3	199	23.4	8.0	8.0	30.7	30.7	91.1	91.1	6.5	1.6	6	82	0.5												
						4.2	0.3	194	23.4	8.0	8.0	31.3	31.3	90.7	90.7	6.4	4.9	5	86	0.6												
					Middle	4.2	0.3	189	23.4	8.0	8.0	31.3	31.3	90.6	90.6	6.4	4.9	6	86	0.6												
						7.3	0.3	210	23.5	8.0	8.0	31.6	31.6	90.5	90.5	6.4	6.4	4	91	0.6												
						7.3	0.3	215	23.5	8.0	8.0	31.6	31.6	90.4	90.4	6.4	6.4	4	91	0.6												
IM5	Sunny	Moderate	12:17	7.4	Surface	1.0	0.4	201	23.3	23.3	8.0	8.0	30.6	30.6	91.2	91.2	6.5	1.9	5	80	86	820547	804931	86	804931	<0.2	0.6	0.6				
						1.0	0.4	204	23.3	8.0	8.0	30.6	30.6	91.1	91.1	6.5	1.9	4	80	0.7												
						3.7	0.3	180	23.4	8.0	8.0	31.3	31.3	90.6	90.6	6.5	4.8	5	87	0.6												
					Middle	3.7	0.3	175	23.4	8.0	8.0	31.2	31.2	90.6	90.6	6.5	4.9	5	87	0.6												
						6.4	0.3	171	23.4	8.0	8.0	31.6	31.6	90.9	90.9	6.5	5.8	5	91	0.6												
						6.4	0.3	172	23.4	8.0	8.0	31.6	31.6	91.0	91.0	6.5	5.9	6	91	0.6												
IM6	Sunny	Moderate	12:27	7.6	Surface	1.0	0.3	197	23.4	23.4	8.0	8.0	31.4	31.4	90.6	90.6	6.4	7.0	6	83	86	821063	805839	86	805839	<0.2	0.5	0.5				
						1.0	0.3	195	23.4	8.0	8.0	31.4	31.4	90.6	90.6	6.4	7.0	7	83	0.5												
						3.8	0.3	190	23.4	8.0	8.0	31.4	31.4	90.5	90.5	6.4	9.2	7	86	0.6												
					Middle	3.8	0.3	185	23.4	8.0	8.0	31.4	31.4	90.5	90.5	6.4	9.3	7	86	0.6												
						6.6	0.2	200	23.4	8.0	8.0	31.5	31.5	90.6	90.6	6.4	6.8	9	90	0.5												
						6.6	0.3	202	23.4	8.0	8.0	31.5	31.5	90.7	90.7	6.5	6.9	8	90	0.5												
IM7	Sunny	Moderate	12:42	7.8	Surface	1.0	0.2	204	23.5	23.5	8.0	8.0	30.2	30.3	91.8	91.8	6.6	1.7	4	82	84	821337	806832	84	806832	<0.2	0.5	0.5				
						1.0	0.2	211	23.5	8.0	8.0	30.3	30.3	91.8	91.8	6.6	1.7	4	82	0.5												
						3.9	0.3	211	23.4	8.0	8.0	30.8	30.8	91.3	91.3	6.5	3.6	4	82	0.6												
					Middle	3.9	0.3	211	23.4	8.0	8.0	30.8	30.8	91.3	91.3	6.5	3.7	5	83	0.5												
						6.8	0.2	199	23.3	8.0	8.0	31.1	31.1	90.5	90.5	6.5	10.1	4	88	0.4												
						6.8	0.2	203	23.3	8.0	8.0	31.1	31.1	90.5	90.5	6.5	10.1	3	88	0.5												
IM8	Cloudy	Moderate	11:45	7.7	Surface	1.0	0.2	171	22.9	22.9	8.2	8.2	29.8	29.9	88.0	88.0	6.4	0.9	4	85	87	821679	807846	87	807846	<0.2	0.8	0.8				
						1.0	0.2	168	22.8	8.2	8.2	29.9	29.9	87.9	87.9	6.4	1.0	4	84	0.7												
						3.9	0.2	174	22.7	8.2	8.2	30.4	30.4	87.6	87.6	6.3	2.0	4	87	0.8												
					Middle	3.9	0.3	169	22.7	8.2	8.2	30.4	30.4	87.6	87.6	6.3	2.1	3	88	0.9												
						6.7	0.3	183	22.7	8.2	8.2	30.6	30.6	87.8	87.8	6.4	2.5	3	89	0.8												
						6.7	0.3	187	22.7	8.2	8.2	30.6	30.6	87.9	87.9	6.4	2.5	4	88	0.8												

DA: Depth-Averaged

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Moderate	11:41	6.8	Surface	1.0	0.3	147	22.8	22.8	8.2	8.2	29.8	29.8	88.3	88.3	6.4	6.4	0.7	1.3	5	4	85	87	822084	808821	<0.2	<0.2	0.6	0.7								
						1.0	0.2	141	22.8	8.2	8.2	29.8	29.8	88.3	88.3	6.4	6.4	0.7	1.3	6	4	85	87	822084	808821	<0.2	<0.2	0.7	0.7									
						3.4	0.3	161	22.8	8.2	8.2	29.9	29.9	88.2	88.2	6.4	6.4	1.2	1.3	2	4	86	86	822084	808821	<0.2	<0.2	0.7	0.7									
					Middle	3.4	0.3	164	22.8	8.2	8.2	29.9	29.9	88.2	88.2	6.4	6.4	1.3	1.3	4	4	86	86	822084	808821	<0.2	<0.2	0.7	0.7									
						5.8	0.3	129	22.7	8.2	8.2	30.0	30.0	88.2	88.2	6.4	6.4	1.8	1.8	4	4	89	89	822084	808821	<0.2	<0.2	0.7	0.7									
						5.8	0.3	134	22.7	8.2	8.2	30.0	30.0	88.2	88.2	6.4	6.4	2.0	2.0	3	3	90	90	822084	808821	<0.2	<0.2	0.7	0.8									
					IM10	Cloudy	Moderate	11:34	6.8	Surface	1.0	0.3	110	22.9	22.9	8.2	8.2	29.7	29.7	88.2	88.2	6.4	6.4	0.5	1.4	4	4	85	87	822255	809834	<0.2	<0.2	0.7	0.8			
											1.0	0.3	106	22.9	8.2	8.2	29.7	29.7	88.2	88.2	6.4	6.4	0.5	1.4	4	4	84	84	822255	809834	<0.2	<0.2	0.7	0.8				
											3.4	0.4	118	22.8	8.2	8.2	29.9	29.9	87.5	87.5	6.3	6.3	1.2	1.3	4	4	86	86	822255	809834	<0.2	<0.2	0.8	0.8				
Middle	3.4	0.4	124	22.7						8.2	8.2	29.9	29.9	87.5	87.5	6.3	6.3	1.3	1.3	4	4	88	88	822255	809834	<0.2	<0.2	0.7	0.8									
	5.8	0.3	96	22.7						8.2	8.2	30.0	30.0	87.2	87.2	6.3	6.3	2.4	2.4	4	4	89	89	822255	809834	<0.2	<0.2	0.8	0.8									
	5.8	0.3	102	22.7						8.2	8.2	30.0	30.0	87.2	87.2	6.3	6.3	2.5	2.5	4	4	88	88	822255	809834	<0.2	<0.2	0.8	0.8									
IM11	Cloudy	Moderate	11:29	7.6						Surface	1.0	0.3	112	22.8	22.8	8.2	8.2	29.7	29.7	88.6	88.6	6.4	6.4	0.6	1.4	6	5	85	87	821484	810556	<0.2	<0.2	0.8	0.8			
											1.0	0.4	105	22.8	8.2	8.2	29.7	29.7	88.6	88.6	6.4	6.4	0.6	1.4	5	5	84	84	821484	810556	<0.2	<0.2	0.8	0.8				
											3.8	0.4	83	22.8	8.2	8.2	29.9	29.9	88.6	88.6	6.4	6.4	1.5	1.5	5	5	88	88	821484	810556	<0.2	<0.2	0.8	0.8				
					Middle	3.8	0.4	78	22.7	8.2	8.2	29.9	29.9	88.6	88.6	6.4	6.4	1.5	1.5	4	4	86	86	821484	810556	<0.2	<0.2	0.9	0.8									
						6.6	0.4	87	22.7	8.2	8.2	30.0	30.0	89.4	89.4	6.5	6.5	2.2	2.2	5	5	89	89	821484	810556	<0.2	<0.2	0.7	0.7									
						6.6	0.3	84	22.7	8.2	8.2	30.0	30.0	89.6	89.6	6.5	6.5	2.2	2.2	4	4	90	90	821484	810556	<0.2	<0.2	0.7	0.7									
					IM12	Cloudy	Moderate	11:07	8.2	Surface	1.0	0.4	112	22.7	22.7	8.2	8.2	29.9	29.9	87.7	87.7	6.4	6.4	1.1	1.2	4	4	84	87	821177	811528	<0.2	<0.2	0.8	0.8			
											1.0	0.4	115	22.7	8.2	8.2	29.9	29.9	87.7	87.7	6.4	6.4	1.2	1.3	3	3	85	85	821177	811528	<0.2	<0.2	0.8	0.8				
											4.1	0.4	99	22.7	8.2	8.2	30.0	30.0	87.9	87.9	6.4	6.4	1.3	1.3	4	4	86	86	821177	811528	<0.2	<0.2	0.8	0.8				
Middle	4.1	0.4	93	22.7						8.2	8.2	30.0	30.0	88.0	88.0	6.4	6.4	1.3	1.3	4	4	87	87	821177	811528	<0.2	<0.2	0.7	0.7									
	7.2	0.3	100	22.7						8.2	8.2	30.0	30.0	89.5	89.5	6.5	6.5	1.2	1.2	4	4	89	89	821177	811528	<0.2	<0.2	0.8	0.8									
	7.2	0.3	94	22.7						8.2	8.2	30.0	30.0	89.8	89.8	6.5	6.5	1.2	1.2	5	5	90	90	821177	811528	<0.2	<0.2	0.8	0.8									
SR1A	Cloudy	Moderate	10:41	4.9						Surface	1.0	0.0	90	22.8	22.8	8.2	8.2	29.9	29.9	86.4	86.5	6.3	6.3	0.7	0.8	4	-	-	-	819983	812663	-	-	-	-			
											1.0	0.0	93	22.8	8.2	8.2	29.9	29.9	86.5	86.5	6.3	6.3	0.7	0.7	3	-	-	-	-	-	819983	812663	-	-	-	-		
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.9	-	111	22.7	8.2	8.2	29.9	29.9	88.1	88.3	6.4	6.4	0.9	0.9	5	-	-	-	-	-	-	-	-	-	-	-	-						
						3.9	0.0	107	22.7	8.2	8.2	29.9	29.9	88.4	88.4	6.4	6.4	0.9	0.9	6	-	-	-	-	-	-	-	-	-	-	-	-						
					SR2	Cloudy	Moderate	10:26	4.7	Surface	1.0	0.2	36	23.0	23.0	8.1	8.1	30.4	30.4	83.8	83.8	6.0	6.0	0.9	1.1	4	4	85	87	821457	814177	<0.2	<0.2	0.7	0.7			
											1.0	0.3	34	23.0	8.1	8.1	30.4	30.4	83.7	83.7	6.0	6.0	0.9	0.9	5	5	84	84	821457	814177	<0.2	<0.2	0.7	0.7				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	3.7	0.2	53	23.0						8.1	8.2	30.6	30.6	83.5	83.5	6.0	6.0	1.3	1.3	3	3	89	89	821457	814177	<0.2	<0.2	0.7	0.7									
	3.7	0.2	45	23.0						8.2	8.2	30.6	30.6	83.5	83.5	6.0	6.0	1.3	1.3	4	4	90	90	821457	814177	<0.2	<0.2	0.7	0.7									
SR3	Cloudy	Moderate	11:50	8.3						Surface	1.0	0.4	156	23.0	23.0	8.2	8.2	29.7	29.7	88.1	88.1	6.4	6.4	1.2	2.2	5	4	-	-	822142	807580	-	-	-	-			
											1.0	0.3	149	22.9	8.2	8.2	29.7	29.7	88.0	88.0	6.4	6.4	1.3	1.3	4	4	-	4	-	-	822142	807580	-	-	-	-		
											4.2	0.3	155	22.7	8.2	8.2	30.2	30.2	87.8	87.8	6.4	6.4	2.4	2.5	4	4	-	4	-	-	822142	807580	-	-	-	-		
					Middle	4.2	0.3	153	22.7	8.2	8.2	30.2	30.2	87.8	87.8	6.4	6.4	2.5	2.5	4	4	-	4	-	-	822142	807580	-	-	-	-	-	-					
						7.3	0.3	176	22.7	8.2	8.2	30.3	30.3	89.2	89.3	6.5	6.5	2.9	2.9	4	4	-	4	-	-	822142	807580	-	-	-	-	-	-					
						7.3	0.3	179	22.7	8.2	8.2	30.3	30.3	89.4	89.4	6.5	6.5	2.9	2.9	3	3	-	3	-	-	822142	807580	-	-	-	-	-	-					
					SR4A	Sunny	Moderate	10:44	9.7	Surface	1.0	0.0	81	23.2	23.2	8.0	8.0	31.2	31.2	90.4	90.4	6.5	6.5	3.1	3.8	5	5	-	-	817184	807811	-	-	-	-			
											1.0	0.0	87	23.2	8.0	8.0	31.2	31.2	90.4	90.4	6.5	6.5	3.1	3.1	5	5	-	5	-	-	817184	807811	-	-	-	-	-	-
											4.9	0.0	83	23.2	8.0	8.0	31.2	31.2	90.3	90.3	6.5	6.5	3.7	3.7	6	6	-	6	-	-	817184	807811	-	-	-	-	-	-
Middle	4.9	0.0	76	23.2						8.0	8.0	31.2	31.2	90.3	90.3	6.5	6.5	3.7	3.7	5	5	-	5	-	-	817184	807811	-	-	-	-	-	-					
	8.7	0.0	107	23.2						8.0	8.0	31.2	31.2	91.1	91.1	6.5	6.5	4.6	4.6	6	6	-	6	-	-	817184	807811	-	-	-	-	-	-					
	8.7	0.0	112	23.2						8.0	8.0	31.2	31.2	91.1	91.1	6.5	6.5	4.6	4.6	5	5	-	5	-	-	817184	807811	-	-	-	-	-	-					
SR5A	Sunny	Calm	10:19	4.4						Surface	1.0	0.1	124	23.2	23.2	8.0	8.0	30.5	30.5	91.2	91.3	6.5	6.5	4.9	4.2	4	4	-	-	816580	810712	-	-	-	-			
											1.0	0.1	124	23.2	8.0	8.0	30.5	30.5	91.3	91.3	6.5	6.5	4.9	4.9	4	4	-	4	-	-	816580	810712	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.4	0.1	87	23.1	8.0	8.0	30.8	30.8	94.5	94.7	6.8	6.8	3.4	3.4	4	4	-	4	-	-	816580	810712	-	-	-	-	-	-					
						3.4	0.2	86	23.1	8.0	8.0	30.8	30.8	94.8	94.8	6.8	6.8	3.4	3.4	5	5	-	5	-	-	816580	810712	-	-	-	-	-	-					
					SR6	Sunny	Calm	10:02																														

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	16:14	7.2	Surface	1.0	0.1	258	22.8	22.8	8.2	8.2	30.1	30.1	88.9	88.9	6.4	1.6	2	79	81	822100	808805	<0.2	0.7	<0.2	0.7							
						1.0	0.2	260	22.8	8.2	8.2	30.1	30.1	88.9	88.9	6.4	1.6	2	80	81	822100	808805	<0.2	0.7	<0.2	0.7								
						3.6	0.2	245	22.7	8.2	8.2	30.2	30.2	89.4	89.5	6.5	1.8	2	82	81	822100	808805	<0.2	0.7	<0.2	0.7								
					Middle	3.6	0.2	238	22.7	8.2	8.2	30.2	30.2	89.6	89.5	6.5	1.9	2	83	81	822100	808805	<0.2	0.7	<0.2	0.7								
						6.2	0.2	243	22.7	8.2	8.2	30.3	30.3	91.5	91.6	6.6	1.9	2	78	81	822100	808805	<0.2	0.7	<0.2	0.7								
						6.2	0.3	235	22.7	8.2	8.2	30.3	30.3	91.6	91.6	6.6	1.9	2	83	81	822100	808805	<0.2	0.6	<0.2	0.6								
					IM10	Cloudy	Moderate	16:20	6.4	Surface	1.0	0.3	250	23.0	23.0	8.2	8.2	29.6	29.7	89.6	89.6	6.5	1.3	4	81	84	822262	809838	<0.2	0.7	<0.2	0.7		
											1.0	0.2	242	23.0	8.2	8.2	29.7	29.7	89.5	89.6	6.5	1.3	3	79	84	822262	809838	<0.2	0.7	<0.2	0.7			
											3.2	0.3	268	22.7	8.2	8.2	30.3	30.3	89.1	89.2	6.5	3.1	3	82	84	822262	809838	<0.2	0.6	<0.2	0.6			
Middle	3.2	0.2	272	22.7						8.2	8.2	30.3	30.3	89.3	89.2	6.5	3.3	4	84	84	822262	809838	<0.2	0.7	<0.2	0.7								
	5.4	0.2	281	22.7						8.2	8.2	30.4	30.4	90.7	90.8	6.6	3.4	2	88	84	822262	809838	<0.2	0.7	<0.2	0.7								
	5.4	0.2	280	22.7						8.2	8.2	30.4	30.4	90.9	90.8	6.6	3.3	3	87	84	822262	809838	<0.2	0.6	<0.2	0.6								
IM11	Cloudy	Moderate	16:26	8.1						Surface	1.0	0.4	266	22.9	22.9	8.2	8.2	29.7	29.7	88.6	88.6	6.4	1.6	2	79	83	821488	810534	<0.2	0.7	<0.2	0.7		
											1.0	0.4	264	22.9	22.9	8.2	8.2	29.7	29.7	88.6	88.6	6.4	1.7	2	81	83	821488	810534	<0.2	0.7	<0.2	0.7		
											4.1	0.3	275	22.8	22.8	8.2	8.2	30.0	30.0	89.1	89.2	6.5	2.6	2	82	83	821488	810534	<0.2	0.7	<0.2	0.7		
					Middle	4.1	0.3	272	22.8	22.8	8.2	8.2	30.0	30.0	89.2	89.2	6.5	2.7	2	82	83	821488	810534	<0.2	0.7	<0.2	0.7							
						7.1	0.4	281	22.8	22.8	8.2	8.2	30.1	30.1	91.0	91.1	6.6	3.2	3	87	83	821488	810534	<0.2	0.7	<0.2	0.7							
						7.1	0.3	285	22.7	22.8	8.2	8.2	30.1	30.1	91.1	91.1	6.6	3.2	2	87	83	821488	810534	<0.2	0.7	<0.2	0.7							
					IM12	Cloudy	Moderate	16:32	7.6	Surface	1.0	0.3	276	22.9	22.9	8.2	8.2	30.0	30.0	88.3	88.3	6.4	1.0	2	79	83	821138	811526	<0.2	0.7	<0.2	0.7		
											1.0	0.3	280	22.9	22.9	8.2	8.2	30.0	30.0	88.3	88.3	6.4	1.0	2	79	83	821138	811526	<0.2	0.7	<0.2	0.7		
											3.8	0.3	268	22.8	22.8	8.2	8.2	30.0	30.0	88.2	88.3	6.4	1.5	2	82	83	821138	811526	<0.2	0.7	<0.2	0.7		
Middle	3.8	0.3	270	22.8						22.8	8.2	8.2	30.0	30.0	88.3	88.3	6.4	1.5	3	83	83	821138	811526	<0.2	0.7	<0.2	0.7							
	6.6	0.4	269	22.7						22.7	8.2	8.2	30.0	30.0	89.1	89.2	6.5	1.7	3	88	83	821138	811526	<0.2	0.6	<0.2	0.6							
	6.6	0.4	271	22.7						22.7	8.2	8.2	30.0	30.0	89.3	89.2	6.5	1.8	2	87	83	821138	811526	<0.2	0.7	<0.2	0.7							
SR1A	Cloudy	Moderate	17:05	5.4						Surface	1.0	0.1	204	22.9	22.9	8.2	8.2	30.1	30.1	87.5	87.5	6.3	1.9	2	-	-	819974	812660	-	-	-	-		
											1.0	0.1	201	22.9	22.9	8.2	8.2	30.1	30.1	87.5	87.5	6.3	1.9	2	-	-	819974	812660	-	-	-	-		
											2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812660	-	-	-	-
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812660	-	-	-	-					
						4.4	0.0	190	22.9	22.9	8.2	8.2	30.1	30.1	87.4	87.4	6.3	1.6	3	-	-	-	-	819974	812660	-	-	-	-					
						4.4	0.0	194	22.9	22.9	8.2	8.2	30.1	30.1	87.4	87.4	6.3	1.4	2	-	-	-	-	819974	812660	-	-	-	-					
					SR2	Cloudy	Moderate	17:18	4.9	Surface	1.0	0.1	236	23.0	23.0	8.2	8.2	29.8	29.8	89.7	89.7	6.5	0.5	2	80	81	821465	814156	<0.2	0.7	<0.2	0.7		
											1.0	0.2	231	23.0	23.0	8.2	8.2	29.8	29.8	89.7	89.7	6.5	0.6	3	81	81	821465	814156	<0.2	0.7	<0.2	0.7		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821465	814156	<0.2	0.7	<0.2	0.7
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	821465	814156	<0.2	0.7	<0.2	0.7					
	3.9	0.2	215	22.8						22.8	8.2	8.2	29.9	29.9	91.8	91.9	6.7	3.4	2	82	81	821465	814156	<0.2	0.8	<0.2	0.8							
	3.9	0.2	215	22.8						22.8	8.2	8.2	29.9	29.9	92.0	91.9	6.7	3.1	2	82	81	821465	814156	<0.2	0.8	<0.2	0.9							
SR3	Cloudy	Moderate	16:06	8.3						Surface	1.0	0.1	217	22.9	22.9	8.2	8.2	29.4	29.4	88.5	88.5	6.4	1.3	<2	-	-	822159	807553	-	-	-	-		
											1.0	0.1	221	22.9	22.9	8.2	8.2	29.4	29.4	88.4	88.4	6.4	1.4	<2	-	-	-	-	822159	807553	-	-	-	-
											4.2	0.1	241	22.7	22.7	8.2	8.2	30.2	30.2	87.4	87.4	6.3	2.8	2	-	-	-	-	822159	807553	-	-	-	-
					Middle	4.2	0.0	244	22.7	22.7	8.2	8.2	30.2	30.2	87.4	87.4	6.3	2.8	2	-	-	-	-	822159	807553	-	-	-	-					
						7.3	0.1	235	22.7	22.7	8.2	8.2	30.2	30.2	87.8	87.8	6.4	3.1	3	-	-	-	-	822159	807553	-	-	-	-					
						7.3	0.1	232	22.7	22.7	8.2	8.2	30.2	30.2	87.8	87.8	6.4	3.1	4	-	-	-	-	822159	807553	-	-	-	-					
					SR4A	Sunny	Moderate	17:34	9.2	Surface	1.0	0.0	176	23.5	23.5	8.0	8.0	31.1	31.1	95.4	95.4	6.8	3.3	5	-	-	817212	807824	-	-	-	-		
											1.0	0.0	181	23.5	23.5	8.0	8.0	31.1	31.1	95.4	95.4	6.8	3.3	4	-	-	-	-	817212	807824	-	-	-	-
											4.6	0.0	171	23.4	23.4	8.0	8.0	31.2	31.2	90.4	90.4	6.5	3.0	3	-	-	-	-	817212	807824	-	-	-	-
Middle	4.6	0.0	177	23.4						23.4	8.0	8.0	31.2	31.2	90.4	90.4	6.5	3.0	4	-	-	-	-	817212	807824	-	-	-	-					
	8.2	0.0	181	23.2						23.2	8.0	8.0	31.3	31.3	88.9	88.9	6.3	2.8	4	-	-	-	-	817212	807824	-	-	-	-					
	8.2	0.0	180	23.2						23.2	8.0	8.0	31.3	31.3	88.9	88.9	6.3	2.8	3	-	-	-	-	817212	807824	-	-	-	-					
SR5A	Sunny	Calm	17:53	3.9						Surface	1.0	0.2	300	23.3	23.3	8.0	8.0	31.0	31.1	91.5	91.5	6.5	3.8	3	-	-	816590	810713	-	-	-	-		
											1.0	0.2	296	23.3	23.3	8.0	8.0	31.1	31.1	91.5	91.5	6.5	3.8	4	-	-	-	-	816590	810713	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810713	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810713	-	-	-	-					
						2.9	0.1	291	23.2	23.2	8.0	8.0	31.2	31.2	91.1	91.1	6.5	5.0	5	-	-	-	-	816590	810713	-	-							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value
C1	Cloudy	Moderate	13:10	8.4	Surface	1.0	0.1	191	23.7	23.7	8.2	8.2	28.7	28.7	96.8	96.8	6.9	6.8	2.7	4.1	3	3	83	86	815642	804250	<0.2	0.7	<0.2	0.6
						1.0	0.1	187	23.7	8.2	8.2	28.7	28.7	96.7	96.7	6.9	6.8	2.7	4.1	4	4	84	86	815642	804250	<0.2	0.7	<0.2	0.6	
						4.2	0.1	202	23.6	8.2	8.2	29.3	29.4	95.6	94.0	6.9	6.8	4.3	4.1	3	3	86	86	815642	804250	<0.2	0.7	<0.2	0.6	
					4.2	0.1	197	23.6	8.2	8.2	29.4	29.4	92.3	91.3	6.6	6.6	4.5	4.1	3	3	87	89	815642	804250	<0.2	0.7	<0.2	0.6		
					7.4	0.1	209	23.5	8.2	8.2	29.5	29.5	91.3	91.3	6.6	6.6	5.3	4.1	3	3	89	88	815642	804250	<0.2	0.7	<0.2	0.6		
					7.4	0.2	209	23.5	8.2	8.2	29.5	29.5	91.3	91.3	6.6	6.6	5.3	4.1	2	2	88	88	815642	804250	<0.2	0.7	<0.2	0.6		
C2	Misty	Moderate	11:51	11.0	Surface	1.0	0.2	338	23.4	23.4	8.0	8.0	27.9	28.0	94.9	95.1	6.9	7.0	1.7	2.6	2	3	47	82	825666	806967	<0.2	0.7	<0.2	0.6
						1.0	0.2	345	23.4	8.0	8.0	28.0	28.0	95.2	96.3	7.0	7.0	1.7	2.6	2	3	47	82	825666	806967	<0.2	0.7	<0.2	0.6	
						5.5	0.2	341	23.4	7.9	7.9	28.0	28.0	96.1	96.3	7.0	7.0	2.9	2.6	3	3	82	83	825666	806967	<0.2	0.7	<0.2	0.6	
					5.5	0.3	343	23.4	7.9	7.9	28.0	28.0	96.4	97.7	7.1	7.2	2.9	2.6	3	3	83	92	825666	806967	<0.2	0.7	<0.2	0.6		
					10.0	0.2	16	23.4	7.9	7.9	28.0	28.0	97.4	97.7	7.1	7.2	3.2	2.6	3	3	92	91	825666	806967	<0.2	0.7	<0.2	0.6		
					10.0	0.2	23	23.4	7.9	7.9	28.0	28.0	97.9	97.7	7.2	7.2	3.1	2.6	3	3	91	91	825666	806967	<0.2	0.7	<0.2	0.6		
C3	Misty	Moderate	13:47	11.2	Surface	1.0	0.1	66	23.9	23.9	8.0	8.0	30.2	30.2	88.6	88.7	6.3	6.4	1.5	2.4	2	3	52	85	822112	817805	<0.2	0.7	<0.2	0.6
						1.0	0.1	71	23.9	23.9	8.0	8.0	30.2	30.2	88.8	89.8	6.4	6.4	1.5	2.4	2	3	52	85	822112	817805	<0.2	0.7	<0.2	0.6
						5.6	0.1	76	23.9	23.9	8.0	8.0	30.2	30.2	89.6	89.8	6.4	6.4	2.6	2.4	2	3	85	85	822112	817805	<0.2	0.7	<0.2	0.6
					5.6	0.1	82	23.9	23.9	8.0	8.0	30.2	30.2	90.0	89.8	6.4	6.8	2.6	2.4	3	3	85	87	822112	817805	<0.2	0.7	<0.2	0.6	
					10.2	0.2	78	23.9	23.9	8.0	8.0	30.2	30.2	91.8	93.8	6.6	6.8	3.1	2.4	4	4	87	87	822112	817805	<0.2	0.7	<0.2	0.6	
					10.2	0.2	83	23.9	23.9	8.0	8.0	30.2	30.2	95.8	93.8	6.9	6.8	3.1	2.4	3	3	87	87	822112	817805	<0.2	0.7	<0.2	0.6	
IM1	Cloudy	Moderate	12:42	6.6	Surface	1.0	0.0	87	23.6	23.6	8.2	8.2	28.2	28.3	97.7	97.6	7.1	6.8	2.9	5.6	3	4	85	87	818358	806450	<0.2	0.7	<0.2	0.6
						1.0	0.0	82	23.6	23.6	8.2	8.2	28.3	28.3	97.5	97.6	7.0	6.8	2.9	5.6	4	4	87	87	818358	806450	<0.2	0.7	<0.2	0.6
						3.3	0.0	95	23.3	23.3	8.2	8.2	28.6	28.6	91.2	91.2	6.6	6.8	3.4	5.6	4	4	87	87	818358	806450	<0.2	0.7	<0.2	0.6
					3.3	0.1	99	23.3	23.3	8.2	8.2	28.6	28.6	91.1	91.2	6.6	6.8	3.4	5.6	5	4	87	87	818358	806450	<0.2	0.7	<0.2	0.6	
					5.6	0.0	114	23.4	23.4	8.2	8.2	28.5	28.5	91.6	91.8	6.6	6.7	10.6	5.6	5	4	88	87	818358	806450	<0.2	0.7	<0.2	0.6	
					5.6	0.0	117	23.4	23.4	8.2	8.2	28.5	28.5	92.0	91.8	6.7	6.7	10.3	5.6	5	4	91	87	818358	806450	<0.2	0.7	<0.2	0.6	
IM2	Cloudy	Moderate	12:39	6.8	Surface	1.0	0.1	67	23.5	23.5	8.2	8.2	28.3	28.3	95.5	95.5	6.9	6.7	3.0	4.8	<2	3	85	84	818868	806201	<0.2	0.7	<0.2	0.6
						1.0	0.1	62	23.5	23.5	8.2	8.2	28.3	28.3	95.4	95.5	6.9	6.7	3.0	4.8	<2	3	84	88	818868	806201	<0.2	0.7	<0.2	0.6
						3.4	0.1	67	23.3	23.3	8.2	8.2	28.5	28.5	89.2	89.1	6.5	6.7	2.8	4.8	3	3	88	89	818868	806201	<0.2	0.7	<0.2	0.6
					3.4	0.1	64	23.3	23.3	8.2	8.2	28.5	28.5	88.9	89.1	6.4	6.7	2.9	4.8	2	3	89	94	818868	806201	<0.2	0.7	<0.2	0.6	
					5.8	0.1	44	23.2	23.2	8.2	8.2	28.7	28.7	87.2	87.2	6.3	6.3	8.6	4.8	3	4	94	93	818868	806201	<0.2	0.7	<0.2	0.6	
					5.8	0.1	45	23.2	23.2	8.2	8.2	28.7	28.7	87.2	87.2	6.3	6.3	8.5	4.8	4	4	93	93	818868	806201	<0.2	0.7	<0.2	0.6	
IM3	Cloudy	Moderate	12:36	6.8	Surface	1.0	0.1	48	23.4	23.4	8.2	8.2	28.5	28.5	91.4	91.3	6.6	6.6	3.8	4.6	4	4	85	86	819407	806003	<0.2	0.7	<0.2	0.6
						1.0	0.1	54	23.4	23.4	8.2	8.2	28.5	28.5	91.2	91.3	6.6	6.6	4.0	4.6	5	4	86	88	819407	806003	<0.2	0.7	<0.2	0.6
						3.4	0.1	47	23.4	23.4	8.2	8.2	28.9	28.9	90.9	91.0	6.6	6.6	5.0	4.6	3	4	88	87	819407	806003	<0.2	0.7	<0.2	0.6
					3.4	0.1	50	23.4	23.4	8.2	8.2	28.9	28.9	91.0	91.0	6.6	6.6	5.0	4.6	4	4	87	93	819407	806003	<0.2	0.7	<0.2	0.6	
					5.8	0.1	54	23.3	23.3	8.2	8.2	28.9	28.9	91.7	91.8	6.6	6.6	4.9	4.6	4	4	93	92	819407	806003	<0.2	0.7	<0.2	0.6	
					5.8	0.1	60	23.3	23.3	8.2	8.2	28.8	28.9	91.9	91.8	6.6	6.6	4.8	4.6	3	4	92	92	819407	806003	<0.2	0.7	<0.2	0.6	
IM4	Cloudy	Moderate	12:29	7.0	Surface	1.0	0.0	81	23.6	23.6	8.2	8.2	28.2	28.2	97.1	97.1	7.0	7.0	3.5	5.1	5	4	86	85	819566	805021	<0.2	0.7	<0.2	0.6
						1.0	0.0	86	23.6	23.6	8.2	8.2	28.1	28.2	97.0	97.1	7.0	7.0	3.4	5.1	4	4	85	88	819566	805021	<0.2	0.7	<0.2	0.6
						3.5	0.0	56	23.5	23.5	8.2	8.2	28.4	28.5	96.1	96.0	6.9	6.9	4.6	5.1	4	4	88	89	819566	805021	<0.2	0.7	<0.2	0.6
					3.5	0.1	59	23.5	23.5	8.2	8.2	28.5	28.5	95.9	96.0	6.9	6.9	4.9	5.1	3	4	89	93	819566	805021	<0.2	0.7	<0.2	0.6	
					6.0	0.0	80	23.4	23.4	8.2	8.2	29.1	29.1	90.1	90.2	6.5	6.5	7.0	5.1	4	4	93	92	819566	805021	<0.2	0.7	<0.2	0.6	
					6.0	0.0	74	23.4	23.4	8.2	8.2	29.1	29.1	90.2	90.2	6.5	6.5	7.1	5.1	2	4	92	92	819566	805021	<0.2	0.7	<0.2	0.6	
IM5	Cloudy	Moderate	12:21	7.2	Surface	1.0	0.1	53	23.6	23.6	8.2	8.2	28.0	28.0	94.2	94.3	6.8	6.8	2.0	2.5	3	3	85	85	820586	804906	<0.2	0.7	<0.2	0.6
						1.0	0.1	58	23.6	23.6	8.2	8.2	28.0	28.0	94.3	94.3	6.8	6.8	2.0	2.5	2	3	85	87	820586	804906	<0.2	0.7	<0.2	0.6
						3.6	0.1	35	23.5	23.5	8.2	8.2	28.2	28.3	94.0	94.0	6.8	6.8	2.5	2.5	4	3	87	89	820586	804906	<0.2	0.7	<0.2	0.6
					3.6	0.1	41	23.5	23.5	8.2	8.2	28.3	28.3	93.9	94.0	6.8	6.8	2.6	2.5	3	3	89	84	820586	804906	<0.2	0.7	<0.2	0.6	
					6.2																									

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value	Value
IM9	Misty	Moderate	12:16	7.2	Surface	1.0	0.1	17	23.3	23.3	8.0	8.0	29.3	29.4	90.6	90.7	6.6	6.8	1.2	2.4	3	4	56	76	822098	808802	<0.2	0.6	<0.2	0.6				
						1.0	0.1	18	23.3	23.3	8.0	8.0	29.4	29.4	90.7	90.7	6.6	6.8	1.3	2.4	4	4	56	76	822098	808802	<0.2	0.6	<0.2	0.6				
						3.6	0.1	15	23.3	23.3	8.0	8.0	29.5	29.6	94.8	95.1	6.9	6.9	2.8	2.4	4	4	82	76	822098	808802	<0.2	0.6	<0.2	0.6				
					Middle	3.6	0.2	15	23.3	23.3	8.0	8.0	29.6	29.6	95.1	95.1	6.9	6.9	2.8	2.4	4	4	83	76	822098	808802	<0.2	0.6	<0.2	0.6				
						6.2	0.2	17	23.3	23.3	8.0	8.0	29.6	29.6	96.7	97.1	7.0	7.1	3.2	2.4	4	4	90	76	822098	808802	<0.2	0.6	<0.2	0.6				
						6.2	0.1	14	23.3	23.3	8.0	8.0	29.6	29.6	97.5	97.1	7.1	7.1	3.1	2.4	4	4	90	76	822098	808802	<0.2	0.6	<0.2	0.6				
IM10	Misty	Moderate	12:25	7.6	Surface	1.0	0.1	26	23.4	23.4	8.0	8.0	29.6	29.6	91.0	91.1	6.6	6.7	1.0	1.6	3	4	52	77	822250	809826	<0.2	0.6	<0.2	0.6				
						1.0	0.1	22	23.4	23.4	8.0	8.0	29.6	29.6	91.2	91.2	6.6	6.7	1.1	1.6	4	4	52	77	822250	809826	<0.2	0.6	<0.2	0.6				
						3.8	0.0	14	23.4	23.4	8.0	8.0	29.6	29.6	93.8	94.5	6.8	6.9	1.4	1.6	4	4	89	77	822250	809826	<0.2	0.8	<0.2	0.8				
					Middle	3.8	0.1	8	23.4	23.4	8.0	8.0	29.6	29.6	94.5	94.5	6.9	6.9	1.5	1.6	3	4	89	77	822250	809826	<0.2	0.7	<0.2	0.7				
						6.6	0.1	7	23.4	23.4	8.0	8.0	29.5	29.6	96.6	97.0	7.0	7.1	2.1	1.6	4	4	90	77	822250	809826	<0.2	0.6	<0.2	0.6				
						6.6	0.2	1	23.4	23.4	8.0	8.0	29.6	29.6	97.4	97.0	7.1	7.1	2.2	1.6	4	4	90	77	822250	809826	<0.2	0.6	<0.2	0.6				
IM11	Misty	Moderate	12:39	8.0	Surface	1.0	0.1	69	23.4	23.4	8.0	8.0	29.6	29.6	90.3	90.4	6.6	6.6	1.1	2.4	3	3	62	75	821524	810540	<0.2	0.8	<0.2	0.8				
						1.0	0.0	63	23.4	23.4	8.0	8.0	29.6	29.6	90.5	91.2	6.6	6.6	1.2	2.4	4	3	63	75	821524	810540	<0.2	0.7	<0.2	0.7				
						4.0	0.1	65	23.3	23.3	8.0	8.0	29.6	29.6	91.1	91.2	6.6	6.6	2.7	2.4	3	3	78	75	821524	810540	<0.2	0.9	<0.2	0.9				
					Middle	4.0	0.1	61	23.3	23.3	8.0	8.0	29.6	29.6	91.3	91.3	6.6	6.6	2.6	2.4	3	3	81	75	821524	810540	<0.2	0.9	<0.2	0.9				
						7.0	0.1	47	23.3	23.3	8.0	8.0	29.6	29.6	97.1	97.4	7.0	7.1	3.3	2.4	3	3	85	75	821524	810540	<0.2	0.8	<0.2	0.8				
						7.0	0.1	44	23.3	23.3	8.0	8.0	29.6	29.6	97.7	97.4	7.1	7.1	3.3	2.4	2	3	85	75	821524	810540	<0.2	0.9	<0.2	0.9				
IM12	Misty	Moderate	12:46	8.0	Surface	1.0	0.1	85	23.4	23.4	8.0	8.0	29.6	29.6	90.3	90.4	6.5	6.6	1.0	1.5	3	3	48	71	821182	811504	<0.2	0.9	<0.2	0.9				
						1.0	0.1	88	23.4	23.4	8.0	8.0	29.6	29.6	90.5	91.2	6.6	6.6	1.1	1.5	3	3	48	71	821182	811504	<0.2	0.9	<0.2	0.9				
						4.0	0.1	97	23.3	23.3	8.0	8.0	29.6	29.6	91.2	91.2	6.6	6.6	1.2	1.5	4	3	79	71	821182	811504	<0.2	0.6	<0.2	0.6				
					Middle	4.0	0.0	92	23.3	23.3	8.0	8.0	29.6	29.6	91.2	91.2	6.6	6.6	1.2	1.5	3	3	79	71	821182	811504	<0.2	0.6	<0.2	0.6				
						7.0	0.1	114	23.3	23.3	8.0	8.0	29.6	29.6	97.2	97.4	7.1	7.1	2.1	1.5	4	3	87	71	821182	811504	<0.2	0.8	<0.2	0.8				
						7.0	0.1	119	23.3	23.3	8.0	8.0	29.6	29.6	97.5	97.4	7.1	7.1	2.2	1.5	2	3	87	71	821182	811504	<0.2	0.9	<0.2	0.9				
SR1A	Misty	Moderate	13:16	4.2	Surface	1.0	0.0	27	23.2	23.2	8.0	8.0	29.6	29.6	90.3	92.3	6.6	6.8	1.1	1.9	3	3	-	-	819970	812659	-	-	-	-				
						1.0	0.0	24	23.2	23.2	8.0	8.0	29.6	29.6	94.2	94.2	6.9	6.9	1.2	1.9	2	3	-	-	819970	812659	-	-	-	-				
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	819970	812659	-	-	-	-		
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	819970	812659	-	-	-	-	
						3.2	0.0	16	23.2	23.2	8.0	8.0	29.5	29.6	95.7	96.1	7.0	7.0	2.7	1.9	4	3	-	-	-	-	819970	812659	-	-	-	-		
						3.2	0.0	21	23.2	23.2	8.0	8.0	29.6	29.6	96.4	96.1	7.0	7.0	2.6	1.9	3	3	-	-	-	-	819970	812659	-	-	-	-		
SR2	Misty	Moderate	13:27	5.0	Surface	1.0	0.1	46	23.4	23.4	8.0	8.0	29.6	29.6	94.9	95.1	6.9	6.9	2.1	2.7	3	3	72	87	821482	814145	<0.2	0.8	<0.2	0.8				
						1.0	0.2	38	23.4	23.4	8.0	8.0	29.6	29.6	95.2	95.2	6.9	6.9	2.2	2.7	2	3	72	87	821482	814145	<0.2	0.9	<0.2	0.9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	87	821482	814145	<0.2	0.9	<0.2	0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	87	821482	814145	<0.2	0.9	<0.2	0.9
						4.0	0.1	24	23.4	23.4	8.0	8.0	29.6	29.6	98.0	98.5	7.1	7.2	3.2	2.7	4	3	102	87	821482	814145	<0.2	0.8	<0.2	0.8				
						4.0	0.2	20	23.4	23.4	8.0	8.0	29.6	29.6	99.0	98.5	7.2	7.2	3.1	2.7	4	3	102	87	821482	814145	<0.2	0.9	<0.2	0.9				
SR3	Misty	Moderate	11:54	9.2	Surface	1.0	0.2	11	23.5	23.5	8.0	8.0	27.9	27.9	90.1	90.2	6.6	6.7	1.1	2.1	4	4	-	-	822149	807551	-	-	-	-				
						1.0	0.2	13	23.5	23.5	8.0	8.0	27.9	27.9	90.2	90.2	6.6	6.7	1.2	2.1	3	4	-	-	822149	807551	-	-	-	-				
						4.6	0.2	3	23.5	23.5	8.0	8.0	27.9	27.9	91.3	91.6	6.7	6.7	2.1	2.1	3	4	-	-	822149	807551	-	-	-	-				
					Middle	4.6	0.1	357	23.5	23.5	8.0	8.0	27.9	27.9	91.9	91.9	6.7	6.7	2.2	2.1	4	4	-	-	-	-	822149	807551	-	-	-	-		
						8.2	0.2	359	23.4	23.4	8.0	8.0	27.9	27.9	94.2	94.4	6.9	6.9	3.1	2.1	5	4	-	-	-	-	822149	807551	-	-	-	-		
						8.2	0.2	352	23.4	23.4	8.0	8.0	27.9	27.9	94.5	94.4	6.9	6.9	3.1	2.1	4	4	-	-	-	-	822149	807551	-	-	-	-		
SR4A	Cloudy	Moderate	13:35	8.5	Surface	1.0	0.0	30	23.7	23.7	8.2	8.2	28.3	28.3	98.3	98.3	7.1	7.0	2.4	2.3	3	3	-	-	817186	807805	-	-	-	-				
						1.0	0.1	35	23.7	23.7	8.2	8.2	28.3	28.3	98.3	98.3	7.1	7.0	2.5	2.3	4	3	-	-	817186	807805	-	-	-	-				
						4.3	0.0	47	23.5	23.5	8.2	8.2	28.5	28.5	93.9	93.9	6.8	6.8	2.1	2.3	3	3	-	-	817186	807805	-	-	-	-				
					Middle	4.3	0.0	43	23.5	23.5	8.2	8.2	28.5	28.5	93.8	93.8	6.8	6.8	2.2	2.3	4	3	-	-	-	-	817186	807805	-	-	-	-		
						7.5	0.1	22	23.5	23.5	8.2	8.2	28.5	28.5	93.9	94.0	6.8	6.8	2.3	2.3	2	3	-	-	-	-	817186	807805	-	-	-	-		
						7.5	0.0																											

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	08:43	8.3	Surface	1.0	0.4	19	23.5	23.5	8.2	8.2	28.0	28.0	95.7	95.7	6.9	6.7	10.2	8.8	3	3	85	87	87	815632	804269	<0.2	<0.2	0.7	0.7	
						1.0	0.4	20	23.5	8.2	8.2	28.0	28.0	95.7	95.7	6.9	6.7	10.2	8.8	2	3	85	87	87	815632	804269	<0.2	<0.2	0.7	0.7		
						4.2	0.5	37	23.4	23.4	8.2	8.2	29.1	29.1	90.7	90.7	6.5	6.4	7.4	3	3	87	87	87	815632	804269	<0.2	<0.2	0.8	0.8		
					Middle	4.2	0.5	44	23.4	23.4	8.2	8.2	29.1	29.1	90.6	90.6	6.5	6.5	7.6	3	3	88	88	88	815632	804269	<0.2	<0.2	0.8	0.8		
						7.3	0.4	11	23.3	23.3	8.2	8.2	29.5	29.5	90.4	90.4	6.5	6.5	8.8	3	3	89	89	89	815632	804269	<0.2	<0.2	0.7	0.7		
						7.3	0.4	8	23.3	23.3	8.2	8.2	29.4	29.4	90.4	90.4	6.5	6.5	8.3	3	3	90	90	90	815632	804269	<0.2	<0.2	0.7	0.7		
C2	Misty	Moderate	10:00	11.0	Surface	1.0	0.4	338	23.3	23.3	8.0	8.0	29.1	29.1	92.3	92.3	6.7	6.7	1.2	1.7	3	3	53	53	53	825681	806926	<0.2	<0.2	0.9	0.9	
						1.0	0.4	336	23.3	23.3	8.0	8.0	29.1	29.1	92.3	92.3	6.7	6.7	1.2	1.7	2	3	52	52	52	825681	806926	<0.2	<0.2	1.0	1.0	
						5.5	0.4	351	23.3	23.3	8.0	8.0	29.2	29.2	92.4	92.4	6.7	6.7	1.6	3	3	91	91	91	825681	806926	<0.2	<0.2	0.6	0.6		
					Middle	5.5	0.4	348	23.3	23.3	8.0	8.0	29.1	29.1	92.4	92.4	6.7	6.7	1.5	4	4	91	91	91	825681	806926	<0.2	<0.2	0.7	0.7		
						10.0	0.5	14	23.3	23.3	8.0	8.0	29.2	29.2	93.0	93.1	6.7	6.7	2.2	5	5	90	90	90	825681	806926	<0.2	<0.2	1.0	1.0		
						10.0	0.5	19	23.3	23.3	8.0	8.0	29.1	29.1	93.1	93.1	6.7	6.7	2.2	4	4	90	90	90	825681	806926	<0.2	<0.2	0.9	0.9		
C3	Misty	Moderate	08:07	10.2	Surface	1.0	0.5	250	23.6	23.6	7.9	7.9	30.9	30.9	84.0	84.0	6.0	6.1	2.2	3.2	4	4	44	44	44	822120	817820	<0.2	<0.2	0.6	0.6	
						1.0	0.5	246	23.6	23.6	7.9	7.9	30.9	30.9	84.0	84.0	6.0	6.1	2.1	3	3	44	44	44	822120	817820	<0.2	<0.2	0.7	0.7		
						5.1	0.5	272	23.6	23.6	7.9	7.9	30.9	30.9	85.7	85.8	6.1	6.1	3.0	3	4	86	86	86	822120	817820	<0.2	<0.2	1.0	0.9		
					Middle	5.1	0.6	272	23.6	23.6	7.9	7.9	30.9	30.9	85.9	85.9	6.1	6.1	3.1	4	4	86	86	86	822120	817820	<0.2	<0.2	0.9	0.9		
						9.2	0.5	240	23.6	23.6	7.9	7.9	30.9	30.9	89.5	89.5	6.4	6.4	4.2	4	4	86	86	86	822120	817820	<0.2	<0.2	0.9	0.9		
						9.2	0.5	241	23.6	23.6	7.9	7.9	30.9	30.9	89.9	89.9	6.4	6.4	4.6	5	5	87	87	87	822120	817820	<0.2	<0.2	1.0	1.0		
IM1	Cloudy	Moderate	08:55	7.0	Surface	1.0	0.3	12	23.5	23.5	8.2	8.2	28.3	28.3	92.7	92.8	6.7	6.6	3.0	4.0	4	4	85	85	85	818370	806436	<0.2	<0.2	0.8	0.8	
						1.0	0.3	6	23.5	23.5	8.2	8.2	28.3	28.3	92.8	92.8	6.7	6.6	3.0	3	3	85	85	85	818370	806436	<0.2	<0.2	0.8	0.8		
						3.5	0.3	15	23.3	23.3	8.2	8.2	28.7	28.7	88.3	88.3	6.4	6.4	4.3	3	3	89	89	89	818370	806436	<0.2	<0.2	0.8	0.8		
					Middle	3.5	0.3	17	23.3	23.3	8.2	8.2	28.7	28.7	88.3	88.3	6.4	6.4	4.3	4	4	88	88	88	818370	806436	<0.2	<0.2	0.8	0.8		
						6.0	0.3	21	23.3	23.3	8.2	8.2	28.7	28.7	90.9	91.0	6.6	6.6	4.8	4	4	92	92	92	818370	806436	<0.2	<0.2	0.7	0.7		
						6.0	0.3	18	23.3	23.3	8.2	8.2	28.7	28.7	91.1	91.1	6.6	6.6	4.8	4	4	93	93	93	818370	806436	<0.2	<0.2	0.8	0.8		
IM2	Cloudy	Moderate	09:00	6.6	Surface	1.0	0.4	16	23.5	23.5	8.2	8.2	28.3	28.4	93.4	93.4	6.8	6.6	3.7	5.2	4	4	87	87	87	818850	806198	<0.2	<0.2	0.7	0.7	
						1.0	0.4	18	23.5	23.5	8.2	8.2	28.4	28.4	93.4	93.4	6.8	6.6	3.7	5	5	87	87	87	818850	806198	<0.2	<0.2	0.6	0.6		
						3.3	0.4	31	23.3	23.3	8.2	8.2	28.6	28.6	88.8	88.8	6.4	6.4	7.8	2	3	89	89	89	818850	806198	<0.2	<0.2	0.7	0.7		
					Middle	3.3	0.3	31	23.3	23.3	8.2	8.2	28.6	28.6	88.8	88.8	6.4	6.4	8.1	4	4	86	86	86	818850	806198	<0.2	<0.2	0.7	0.7		
						5.6	0.4	12	23.3	23.3	8.2	8.2	28.7	28.7	89.0	89.0	6.4	6.4	4.0	3	3	89	89	89	818850	806198	<0.2	<0.2	0.8	0.8		
						5.6	0.3	13	23.3	23.3	8.2	8.2	28.7	28.7	89.0	89.0	6.4	6.4	3.9	3	3	90	90	90	818850	806198	<0.2	<0.2	0.8	0.8		
IM3	Cloudy	Moderate	09:03	7.0	Surface	1.0	0.3	17	23.6	23.6	8.2	8.2	28.1	28.1	95.5	95.5	6.9	6.7	2.9	4.7	3	3	87	87	87	819428	806017	<0.2	<0.2	0.7	0.7	
						1.0	0.3	21	23.6	23.6	8.2	8.2	28.1	28.1	95.5	95.5	6.9	6.7	2.9	3	3	86	86	86	819428	806017	<0.2	<0.2	0.8	0.8		
						3.5	0.3	17	23.3	23.3	8.2	8.2	28.7	28.7	88.1	88.1	6.4	6.4	3.8	3	3	89	89	89	819428	806017	<0.2	<0.2	0.7	0.7		
					Middle	3.5	0.3	12	23.3	23.3	8.2	8.2	28.7	28.7	88.1	88.1	6.4	6.4	3.9	4	4	90	90	90	819428	806017	<0.2	<0.2	0.8	0.8		
						6.0	0.3	14	23.3	23.3	8.2	8.2	28.8	28.8	90.6	90.8	6.6	6.6	7.1	3	3	95	95	95	819428	806017	<0.2	<0.2	0.7	0.7		
						6.0	0.4	16	23.3	23.3	8.2	8.2	28.8	28.8	90.9	90.9	6.6	6.6	7.4	4	4	94	94	94	819428	806017	<0.2	<0.2	0.8	0.8		
IM4	Cloudy	Moderate	09:10	7.8	Surface	1.0	0.3	19	23.5	23.5	8.2	8.2	28.1	28.1	96.7	96.7	7.0	6.8	3.4	5.2	3	3	85	85	85	819596	805027	<0.2	<0.2	0.9	0.9	
						1.0	0.3	17	23.5	23.5	8.2	8.2	28.1	28.1	96.7	96.7	7.0	6.8	3.4	2	2	85	85	85	819596	805027	<0.2	<0.2	0.8	0.8		
						3.9	0.3	352	23.3	23.3	8.2	8.2	28.6	28.6	90.3	90.3	6.5	6.5	5.9	3	3	87	87	87	819596	805027	<0.2	<0.2	0.8	0.8		
					Middle	3.9	0.2	357	23.3	23.3	8.2	8.2	28.6	28.6	90.3	90.3	6.5	6.5	6.0	3	3	87	87	87	819596	805027	<0.2	<0.2	0.7	0.7		
						6.8	0.4	28	23.2	23.2	8.2	8.2	28.7	28.7	90.9	91.0	6.6	6.6	6.2	3	3	91	91	91	819596	805027	<0.2	<0.2	0.7	0.7		
						6.8	0.4	29	23.2	23.2	8.2	8.2	28.7	28.7	91.0	91.0	6.6	6.6	6.2	4	4	89	89	89	819596	805027	<0.2	<0.2	0.6	0.6		
IM5	Cloudy	Moderate	09:18	7.2	Surface	1.0	0.3	348	23.4	23.4	8.2	8.2	28.4	28.4	91.8	91.8	6.6	6.6	3.0	2.7	4	3	84	84	84	820555	804931	<0.2	<0.2	0.8	0.7	
						1.0	0.4	347	23.4	23.4	8.2	8.2	28.4	28.4	91.7	91.7	6.6	6.6	3.0	3	3	85	85	85	820555	804931	<0.2	<0.2	0.7	0.7		
						3.6	0.4	12	23.4	23.4	8.2	8.2	28.5	28.5	91.0	91.0	6.6	6.6	2.7	3	3	87	87	87	820555	804931	<0.2	<0.2	0.8	0.7		
					Middle	3.6	0.4	8	23.4	23.4	8.2	8.2	28.5																			

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
IM9	Misty	Moderate	09:18	8.0	Surface	1.0	0.4	325	23.4	23.4	8.0	8.0	29.3	29.4	93.7	93.7	6.7	6.7	1.1	1.1	3	3	43	69	822113	808805	<0.2	<0.2	0.9	0.7							
						1.0	0.4	332	23.4	8.0	8.0	29.4	29.4	93.7	93.7	6.7	6.7	1.1	1.1	3	3	44	69	822113	808805	<0.2	<0.2	0.6	0.6								
						4.0	0.4	312	23.3	8.0	8.0	29.6	29.6	93.6	93.6	6.7	6.7	1.7	1.7	3	3	79	69	822113	808805	<0.2	<0.2	0.9	0.7								
					Middle	4.0	0.3	304	23.3	23.3	8.0	8.0	29.6	29.6	93.6	93.6	6.7	6.7	1.6	1.6	4	4	79	69	822113	808805	<0.2	<0.2	0.6	0.6							
						7.0	0.3	290	23.3	23.3	8.0	8.0	29.6	29.6	93.7	93.7	6.8	6.8	2.8	2.8	4	4	83	69	822113	808805	<0.2	<0.2	0.7	0.7							
						7.0	0.3	284	23.3	23.3	8.0	8.0	29.6	29.6	93.8	93.8	6.8	6.8	2.9	2.9	3	3	83	69	822113	808805	<0.2	<0.2	0.6	0.6							
					IM10	Misty	Moderate	09:03	7.2	Surface	1.0	0.4	304	23.3	23.3	8.0	8.0	29.2	29.2	92.0	92.0	6.6	6.6	1.1	1.1	3	3	48	74	822226	809816	<0.2	<0.2	0.9	0.8		
											1.0	0.4	306	23.3	23.3	8.0	8.0	29.2	29.2	92.0	92.0	6.6	6.6	1.1	1.1	3	3	48	74	822226	809816	<0.2	<0.2	0.8	0.8		
											3.6	0.5	277	23.3	23.3	8.0	8.0	29.4	29.4	92.6	92.6	6.7	6.7	1.6	1.6	2	2	86	74	822226	809816	<0.2	<0.2	0.8	0.8		
Middle	3.6	0.4	272	23.3						23.3	8.0	8.0	29.4	29.4	92.7	92.7	6.7	6.7	1.7	1.7	3	3	86	74	822226	809816	<0.2	<0.2	0.8	0.8							
	6.2	0.4	271	23.3						23.3	8.0	8.0	29.4	29.4	93.2	93.2	6.7	6.7	1.7	1.7	2	2	87	74	822226	809816	<0.2	<0.2	0.9	0.9							
	6.2	0.4	276	23.3						23.3	8.0	8.0	29.3	29.3	93.4	93.4	6.7	6.7	1.8	1.8	3	3	87	74	822226	809816	<0.2	<0.2	0.8	0.8							
IM11	Misty	Moderate	08:51	8.0						Surface	1.0	0.5	284	23.4	23.4	8.0	8.0	29.2	29.3	93.5	93.5	6.7	6.7	1.2	1.2	3	3	52	76	821484	810542	<0.2	<0.2	0.8	0.8		
											1.0	0.6	287	23.4	23.4	8.0	8.0	29.3	29.3	93.5	93.5	6.7	6.7	1.2	1.2	4	4	52	76	821484	810542	<0.2	<0.2	0.9	0.9		
											4.0	0.5	283	23.3	23.3	8.0	8.0	29.6	29.6	93.6	93.6	6.7	6.7	1.6	1.6	4	4	87	76	821484	810542	<0.2	<0.2	0.7	0.7		
					Middle	4.0	0.4	289	23.3	23.3	8.0	8.0	29.6	29.6	93.7	93.7	6.7	6.7	1.5	1.5	3	3	87	76	821484	810542	<0.2	<0.2	0.9	0.9							
						7.0	0.5	295	23.3	23.3	8.0	8.0	29.7	29.7	94.2	94.2	6.8	6.8	2.0	2.0	3	3	90	76	821484	810542	<0.2	<0.2	0.9	0.9							
						7.0	0.5	288	23.3	23.3	8.0	8.0	29.7	29.7	94.3	94.3	6.8	6.8	2.1	2.1	3	3	90	76	821484	810542	<0.2	<0.2	0.7	0.7							
					IM12	Misty	Moderate	08:44	8.2	Surface	1.0	0.5	289	23.5	23.5	8.0	8.0	29.9	29.9	93.7	93.7	6.7	6.7	1.4	1.4	4	4	45	73	821148	811500	<0.2	<0.2	0.7	0.8		
											1.0	0.5	292	23.5	23.5	8.0	8.0	29.9	29.9	93.7	93.7	6.7	6.7	1.5	1.5	3	3	46	73	821148	811500	<0.2	<0.2	0.8	0.8		
											4.1	0.5	290	23.5	23.5	8.0	8.0	29.9	29.9	93.6	93.6	6.7	6.7	1.7	1.7	2	2	86	73	821148	811500	<0.2	<0.2	0.9	0.9		
Middle	4.1	0.4	297	23.5						23.5	8.0	8.0	29.9	29.9	93.7	93.7	6.7	6.7	1.6	1.6	3	3	86	73	821148	811500	<0.2	<0.2	0.8	0.8							
	7.2	0.5	299	23.4						23.4	8.0	8.0	29.9	29.9	94.3	94.3	6.8	6.8	2.6	2.6	2	2	87	73	821148	811500	<0.2	<0.2	0.9	0.9							
	7.2	0.4	296	23.4						23.4	8.0	8.0	29.9	29.9	94.4	94.4	6.8	6.8	2.5	2.5	3	3	87	73	821148	811500	<0.2	<0.2	0.8	0.8							
SR1A	Misty	Moderate	08:34	5.6						Surface	1.0	0.0	181	23.3	23.3	8.0	8.0	29.9	29.9	93.2	93.3	6.7	6.7	0.7	0.7	2	2	-	-	819982	812655	-	-	-	-		
											1.0	0.1	177	23.3	23.3	8.0	8.0	29.9	29.9	93.3	93.3	6.7	6.7	0.7	0.7	2	2	-	-	-	-	819982	812655	-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.6	0.0	178	23.3	23.3	8.0	8.0	29.9	29.9	93.6	93.7	6.7	6.7	2.1	2.1	3	3	-	-	-	-	-	-	-	-	-	-	-	-			
						4.6	0.0	176	23.3	23.3	8.0	8.0	29.9	29.9	93.7	93.7	6.7	6.7	2.2	2.2	2	2	-	-	-	-	-	-	-	-	-	-	-	-			
					SR2	Misty	Moderate	08:25	5.0	Surface	1.0	0.1	228	23.5	23.5	7.9	8.0	29.9	29.9	93.9	93.3	6.7	6.7	1.1	1.1	2	2	43	65	821460	814144	<0.2	<0.2	0.6	0.8		
											1.0	0.1	228	23.5	23.5	8.0	8.0	29.9	29.9	92.7	92.7	6.6	6.6	1.1	1.1	2	2	43	65	821460	814144	<0.2	<0.2	0.8	0.8		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.0	0.2	219	23.5						23.5	8.0	8.0	30.0	30.0	93.3	93.4	6.7	6.7	2.1	2.1	2	2	87	65	821460	814144	<0.2	<0.2	0.7	0.7							
	4.0	0.2	221	23.5						23.5	8.0	8.0	30.0	30.0	93.4	93.4	6.7	6.7	2.2	2.2	2	2	87	65	821460	814144	<0.2	<0.2	0.6	0.6							
SR3	Misty	Moderate	09:46	9.2						Surface	1.0	0.3	336	23.3	23.3	8.0	8.0	29.4	29.4	96.9	97.1	7.0	7.0	1.0	1.0	3	3	-	-	822170	807583	-	-	-	-		
											1.0	0.3	335	23.3	23.3	8.0	8.0	29.4	29.4	97.0	97.0	7.0	7.0	1.1	1.1	2	2	-	-	-	-	822170	807583	-	-	-	-
											4.6	0.4	331	23.2	23.2	8.0	8.0	29.4	29.5	97.9	97.8	7.0	7.0	1.1	1.1	2	2	-	-	-	-	822170	807583	-	-	-	-
					Middle	4.6	0.4	331	23.2	23.2	8.0	8.0	29.5	29.5	97.9	97.9	7.1	7.1	1.1	1.1	3	3	-	-	-	-	822170	807583	-	-	-	-	-	-			
						8.2	0.4	5	23.2	23.2	8.0	8.0	29.5	29.5	98.5	98.6	7.1	7.1	1.9	1.9	4	4	-	-	-	-	822170	807583	-	-	-	-	-	-			
						8.2	0.4	9	23.2	23.2	8.0	8.0	29.5	29.5	98.7	98.7	7.1	7.1	1.9	1.9	3	3	-	-	-	-	822170	807583	-	-	-	-	-	-			
					SR4A	Cloudy	Moderate	08:25	8.6	Surface	1.0	0.0	255	23.4	23.4	8.2	8.2	28.5	28.5	92.7	92.7	6.7	6.7	10.5	10.5	2	2	-	-	817166	807825	-	-	-	-		
											1.0	0.0	251	23.4	23.4	8.2	8.2	28.5	28.5	92.6	92.6	6.7	6.7	10.5	10.5	2	2	-	-	-	-	817166	807825	-	-	-	-
											4.3	0.0	271	23.4	23.4	8.2	8.2	28.7	28.7	91.5	91.5	6.6	6.6	2.8	2.8	2	2	-	-	-	-	817166	807825	-	-	-	-
Middle	4.3	0.1	267	23.4						23.4	8.2	8.2	28.7	28.7	91.5	91.5	6.6	6.6	2.8	2.8	2	2	-	-	-	-	817166	807825	-	-	-	-	-	-			
	7.6	0.0	273	23.4						23.4	8.2	8.2	28.7	28.7	91.3	91.3	6.6	6.6	3.0	3.0	2	2	-	-	-	-	817166	807825									

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA						
C1	Cloudy	Moderate	14:09	8.4	Surface	1.0	0.0	54	22.7	22.7	8.3	8.3	29.2	29.3	90.2	90.2	6.6	6.6	5.1	3	86	87	87	87	87	87	815642	804237	<0.2	0.9	<0.2	0.8								
						1.0	0.1	61	22.7	22.6	8.3	8.3	29.3	29.7	89.8	89.8	6.5	6.5	8.1	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87					
						4.2	0.0	57	22.6	22.6	8.3	8.3	29.7	29.7	89.8	89.8	6.5	6.5	8.1	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
					Middle	4.2	0.0	55	22.6	22.6	8.3	8.3	29.7	29.7	89.8	89.8	6.5	6.5	8.1	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87			
						7.4	0.0	49	22.6	22.6	8.3	8.3	29.9	29.9	90.0	90.1	6.5	6.6	12.6	3	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
						7.4	0.1	41	22.6	22.6	8.3	8.3	29.9	29.9	90.2	90.1	6.5	6.6	13.0	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
					C2	Misty	Moderate	13:16	11.0	Surface	1.0	0.1	1	23.4	23.4	8.1	8.1	27.9	28.0	86.5	86.7	6.3	6.4	2.9	4	47	47	47	47	47	47	825662	806966	<0.2	0.9	<0.2	0.9			
											1.0	0.2	356	23.4	23.4	8.0	8.0	28.0	28.0	86.8	87.9	6.4	6.4	3.0	4	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
											5.5	0.2	353	23.4	23.4	8.0	8.0	28.0	28.0	87.7	87.9	6.4	6.4	4.1	3	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
Middle	5.5	0.2	348	23.4						23.4	8.0	8.0	28.0	28.0	88.0	88.0	6.4	6.4	4.2	4	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83			
	10.0	0.2	354	23.4						23.4	8.0	8.0	28.0	28.0	89.0	89.3	6.5	6.6	4.4	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91			
	10.0	0.2	348	23.4						23.4	8.0	8.0	28.0	28.0	89.5	89.3	6.5	6.6	4.4	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91			
C3	Misty	Moderate	15:12	10.8						Surface	1.0	0.1	89	23.9	23.9	8.1	8.1	28.1	28.1	84.4	84.5	6.1	6.1	2.7	4	52	52	52	52	52	52	822118	817819	<0.2	0.9	<0.2	0.8			
											1.0	0.1	86	23.9	23.9	8.1	8.1	28.1	28.1	84.6	85.6	6.1	6.2	2.8	5	52	52	52	52	52	52	52	52	52	52	52	52	52	52	
											5.4	0.2	82	23.9	23.9	8.1	8.1	28.1	28.1	85.4	85.6	6.2	6.2	3.8	5	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
					Middle	5.4	0.1	87	23.9	23.9	8.1	8.1	28.1	28.1	85.8	86.2	6.2	6.2	3.9	4	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85				
						9.8	0.1	83	23.9	23.9	8.1	8.1	28.1	28.1	87.6	89.6	6.4	6.5	4.3	3	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
						9.8	0.1	80	23.9	23.9	8.1	8.1	28.1	28.1	91.6	89.6	6.4	6.5	4.3	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
					IM1	Cloudy	Moderate	13:46	6.8	Surface	1.0	0.1	16	22.8	22.8	8.2	8.2	29.9	29.9	90.6	90.5	6.6	6.6	4.2	3	86	87	87	87	87	87	818361	806450	<0.2	0.8	<0.2	0.8			
											1.0	0.2	9	22.7	22.7	8.2	8.2	29.9	29.9	90.4	90.4	6.6	6.6	4.3	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
											3.4	0.1	30	22.7	22.7	8.2	8.2	30.2	30.2	88.9	88.9	6.5	6.5	6.2	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
Middle	3.4	0.1	25	22.7						22.7	8.2	8.2	30.2	30.2	88.9	88.9	6.5	6.5	6.7	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
	5.8	0.1	47	22.7						22.7	8.2	8.2	30.1	30.1	88.9	88.9	6.5	6.5	7.6	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
	5.8	0.1	39	22.7						22.7	8.2	8.2	30.1	30.1	88.9	88.9	6.5	6.5	7.3	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
IM2	Cloudy	Moderate	13:42	7.2						Surface	1.0	0.2	24	22.7	22.7	8.2	8.2	29.7	29.7	90.4	90.4	6.6	6.6	3.9	4	86	87	87	87	87	87	818841	806172	<0.2	0.8	<0.2	0.8			
											1.0	0.2	16	22.7	22.7	8.2	8.2	29.7	29.7	90.3	90.4	6.6	6.6	4.0	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
											3.6	0.2	26	22.7	22.7	8.2	8.2	29.8	29.9	88.8	88.8	6.5	6.5	5.4	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Middle	3.6	0.2	28	22.7	22.7	8.2	8.2	29.9	29.9	88.8	88.8	6.5	6.5	5.6	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
						6.2	0.1	45	22.7	22.7	8.2	8.2	29.9	29.9	89.1	89.2	6.5	6.5	7.1	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
						6.2	0.1	38	22.7	22.7	8.2	8.2	29.9	29.9	89.2	89.2	6.5	6.5	7.7	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
					IM3	Cloudy	Moderate	13:38	7.5	Surface	1.0	0.1	56	22.8	22.8	8.2	8.2	29.7	29.7	91.4	91.3	6.6	6.6	4.2	3	85	86	86	86	86	86	819402	806006	<0.2	0.8	<0.2	0.8			
											1.0	0.1	52	22.8	22.8	8.2	8.2	29.7	29.7	91.2	91.3	6.6	6.6	4.2	4	86	86	86	86	86	86	86	86	86	86	86	86	86		
											3.8	0.1	46	22.7	22.7	8.2	8.2	29.9	29.9	90.0	89.9	6.5	6.5	5.0	5	86	86	86	86	86	86	86	86	86	86	86	86	86		
Middle	3.8	0.1	45	22.7						22.7	8.2	8.2	29.9	29.9	89.8	89.9	6.5	6.5	5.2	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87					
	6.5	0.1	56	22.6						22.6	8.2	8.2	30.0	30.0	89.7	89.8	6.5	6.5	7.0	5	88	88	88	88	88	88	88	88	88	88	88	88	88	88						
	6.5	0.1	59	22.6						22.6	8.2	8.2	30.0	30.0	89.8	89.8	6.5	6.5	7.1	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87						
IM4	Cloudy	Moderate	13:31	7.4						Surface	1.0	0.2	25	22.7	22.7	8.2	8.2	30.1	30.1	90.9	90.9	6.6	6.6	5.7	5	86	86	86	86	86	86	819575	805033	<0.2	0.9	<0.2	0.8			
											1.0	0.2	23	22.7	22.7	8.2	8.2	30.1	30.1	90.9	90.9	6.6	6.6	5.7	4	86	86	86	86	86	86	86	86	86	86	86	86	86		
											3.7	0.1	52	22.6	22.6	8.2	8.2	30.2	30.2	90.4	90.4	6.6	6.6	8.6	4	88	88	88	88	88	88	88	88	88	88	88	88	88		
					Middle	3.7	0.1	56	22.6	22.6	8.2	8.2	30.2	30.2	90.4	90.4	6.6	6.6	9.2	3	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
						6.4	0.2	13	22.6	22.6	8.2	8.2	30.2	30.2	90.9	91.0	6.6	6.6	11.0	3	88	88	88	88	88	88	88	88	88	88	88	88	88	88						
						6.4	0.1	6	22.6	22.6	8.2	8.2	30.2	30.2	91.0	91.0	6.6	6.6	11.3	3	87	87	87	87	87															

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
IM9	Misty	Moderate	13:41	7.4	Surface	1.0	0.2	14	23.3	23.3	8.1	8.1	29.3	29.4	82.2	82.3	6.0	6.2	2.4	3.6	6	5	56	76	822076	808791	<0.2	1.0	<0.2	1.0							
						1.0	0.2	8	23.3	23.3	8.1	8.1	29.4	29.4	82.3	82.3	6.0	6.2	2.5	3.6	5	5	56	76	822076	808791	<0.2	1.0	<0.2	1.0							
						3.7	0.2	9	23.3	23.3	8.1	8.1	29.5	29.6	86.4	86.6	6.3	6.5	4.0	4.0	5	5	82	76	822076	808791	<0.2	0.9	<0.2	0.9							
					Middle	3.7	0.1	11	23.3	23.3	8.1	8.1	29.6	29.6	86.7	86.7	6.3	6.5	4.0	4.0	4	4	82	76	822076	808791	<0.2	0.9	<0.2	0.9							
						6.4	0.2	29	23.3	23.3	8.1	8.1	29.6	29.6	88.3	88.7	6.4	6.5	4.4	4.4	4	4	90	76	822076	808791	<0.2	1.0	<0.2	1.0							
						6.4	0.2	31	23.3	23.3	8.1	8.1	29.6	29.6	89.1	89.1	6.5	6.5	4.3	4.3	3	3	90	76	822076	808791	<0.2	0.9	<0.2	0.9							
					IM10	Misty	Moderate	13:50	7.6	Surface	1.0	0.1	350	23.4	23.4	8.1	8.1	29.6	29.6	82.6	82.7	6.0	6.1	2.2	2.8	2	3	51	77	822262	809855	<0.2	0.9	<0.2	0.8		
											1.0	0.1	346	23.4	23.4	8.1	8.1	29.6	29.6	82.8	82.8	6.0	6.1	2.3	2.8	3	3	52	77	822262	809855	<0.2	0.8	<0.2	0.8		
											3.8	0.1	335	23.4	23.4	8.1	8.1	29.6	29.6	85.4	85.8	6.2	6.3	2.7	2.7	3	3	89	77	822262	809855	<0.2	0.9	<0.2	0.9		
Middle	3.8	0.2	336	23.4						23.4	8.1	8.1	29.6	29.6	86.1	86.1	6.3	6.3	2.7	2.7	3	3	89	77	822262	809855	<0.2	0.9	<0.2	0.9							
	6.6	0.1	331	23.4						23.4	8.1	8.1	29.5	29.6	88.2	88.6	6.4	6.5	3.3	3.3	4	4	90	77	822262	809855	<0.2	0.9	<0.2	0.9							
	6.6	0.1	330	23.4						23.4	8.1	8.1	29.6	29.6	89.0	89.0	6.5	6.5	3.4	3.4	4	4	90	77	822262	809855	<0.2	0.9	<0.2	0.9							
IM11	Misty	Moderate	14:05	8.2						Surface	1.0	0.1	333	23.4	23.4	8.1	8.1	29.6	29.6	86.1	86.2	6.2	6.3	2.3	3.6	3	3	62	75	821487	810540	<0.2	1.0	<0.2	0.9		
											1.0	0.1	330	23.4	23.4	8.1	8.1	29.6	29.6	86.3	86.3	6.3	6.3	2.4	2.4	2	2	62	75	821487	810540	<0.2	0.9	<0.2	0.9		
											4.1	0.1	354	23.3	23.3	8.1	8.1	29.6	29.6	86.9	87.0	6.3	6.3	3.9	3.9	3	3	78	75	821487	810540	<0.2	0.8	<0.2	0.8		
					Middle	4.1	0.1	349	23.3	23.3	8.1	8.1	29.6	29.6	87.1	87.1	6.3	6.3	3.9	3.9	3	3	78	75	821487	810540	<0.2	0.8	<0.2	0.8							
						7.2	0.0	359	23.3	23.3	8.1	8.1	29.6	29.6	92.9	93.2	6.8	6.8	4.5	4.5	2	2	84	75	821487	810540	<0.2	1.0	<0.2	0.9							
						7.2	0.0	5	23.3	23.3	8.1	8.1	29.6	29.6	93.5	93.5	6.8	6.8	4.6	4.6	4	4	85	75	821487	810540	<0.2	0.9	<0.2	0.9							
					IM12	Misty	Moderate	14:11	8.4	Surface	1.0	0.0	73	23.4	23.4	8.1	8.1	29.6	29.6	86.1	86.2	6.2	6.3	2.2	3.6	3	3	48	71	821185	811500	<0.2	0.9	<0.2	0.8		
											1.0	0.0	67	23.4	23.4	8.1	8.1	29.6	29.6	86.3	86.3	6.3	6.3	2.3	2.3	4	4	48	71	821185	811500	<0.2	0.8	<0.2	0.8		
											4.2	0.0	94	23.3	23.3	8.1	8.1	29.6	29.6	87.0	87.0	6.3	6.3	2.4	2.4	2	2	79	71	821185	811500	<0.2	0.9	<0.2	0.9		
Middle	4.2	0.1	96	23.3						23.3	8.1	8.1	29.6	29.6	87.0	87.0	6.3	6.3	2.4	2.4	3	3	79	71	821185	811500	<0.2	1.0	<0.2	1.0							
	7.4	0.0	86	23.3						23.3	8.1	8.1	29.6	29.6	93.0	93.2	6.8	6.8	3.3	3.3	2	2	87	71	821185	811500	<0.2	0.8	<0.2	0.8							
	7.4	0.1	86	23.3						23.3	8.1	8.1	29.6	29.6	93.3	93.3	6.8	6.8	3.4	3.4	3	3	87	71	821185	811500	<0.2	0.9	<0.2	0.9							
SR1A	Misty	Moderate	14:41	5.0						Surface	1.0	-	4	23.2	23.2	8.1	8.1	29.6	29.6	81.9	83.9	6.0	6.1	2.3	3.1	4	5	-	-	819972	812657	-	-	-	-		
											1.0	0.0	359	23.2	23.2	8.1	8.1	29.6	29.6	85.8	85.8	6.2	6.2	2.4	2.4	4	4	-	5	-	-	819972	812657	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.0	-	334	23.2	23.2	8.1	8.1	29.5	29.6	87.3	87.7	6.4	6.4	3.9	3.9	6	6	-	-	-	-	-	-	-	-	-	-					
						4.0	0.0	329	23.2	23.2	8.1	8.1	29.6	29.6	88.0	88.0	6.4	6.4	3.8	3.8	4	4	-	-	-	-	-	-	-	-	-	-					
					SR2	Misty	Moderate	14:52	5.0	Surface	1.0	0.1	55	23.4	23.4	8.1	8.1	29.6	29.6	86.5	86.7	6.3	6.3	3.3	3.9	4	4	72	87	821471	814188	<0.2	0.9	<0.2	0.8		
											1.0	0.1	53	23.4	23.4	8.1	8.1	29.6	29.6	86.8	86.8	6.3	6.3	3.4	3.4	4	4	72	87	821471	814188	<0.2	0.8	<0.2	0.8		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	4.0	0.2	56	23.4						23.4	8.1	8.1	29.6	29.6	89.6	90.1	6.5	6.6	4.4	4.4	4	4	102	87	821471	814188	<0.2	0.9	<0.2	0.9							
	4.0	0.2	54	23.4						23.4	8.1	8.1	29.6	29.6	90.6	90.6	6.6	6.6	4.3	4.3	3	3	102	87	821471	814188	<0.2	1.0	<0.2	1.0							
SR3	Misty	Moderate	13:19	9.2						Surface	1.0	0.2	3	23.5	23.5	8.1	8.1	27.9	27.9	85.9	86.0	6.3	6.4	2.3	3.4	3	3	-	-	822142	807567	-	-	-	-		
											1.0	0.2	357	23.5	23.5	8.1	8.1	27.9	27.9	86.0	86.0	6.3	6.3	2.4	2.4	3	3	-	-	-	-	822142	807567	-	-	-	-
											4.6	0.2	0	23.5	23.5	8.1	8.1	27.9	27.9	87.1	87.4	6.4	6.4	3.3	3.3	3	3	-	-	-	-	822142	807567	-	-	-	-
					Middle	4.6	0.2	7	23.5	23.5	8.1	8.1	27.9	27.9	87.1	87.4	6.4	6.4	3.4	3.4	3	3	-	-	-	-	822142	807567	-	-	-	-					
						8.2	0.2	12	23.4	23.4	8.1	8.1	27.9	27.9	90.0	90.2	6.6	6.6	4.4	4.4	3	3	-	-	-	-	822142	807567	-	-	-	-					
						8.2	0.1	6	23.4	23.4	8.1	8.1	27.9	27.9	90.3	90.3	6.6	6.6	4.3	4.3	4	4	-	-	-	-	822142	807567	-	-	-	-					
					SR4A	Cloudy	Moderate	14:24	8.8	Surface	1.0	0.0	100	22.8	22.8	8.2	8.2	30.2	30.2	90.2	90.2	6.5	6.5	3.5	4.2	3	4	-	-	817194	807800	-	-	-	-		
											1.0	0.1	105	22.8	22.8	8.2	8.2	30.2	30.2	90.2	90.2	6.5	6.5	3.5	3.5	4	4	-	-	-	-	817194	807800	-	-	-	-
											4.4	0.0	84	22.7	22.7	8.2	8.2	30.2	30.2	90.0	90.0	6.5	6.5	3.7	3.7	3	4	-	-	-	-	817194	807800	-	-	-	-
Middle	4.4	0.0	77	22.7						22.7	8.2	8.2	30.2	30.2	90.0	90.0	6.5	6.5	3.7	3.7	4	4	-	-	-	-	817194	807800	-	-	-	-					
	7.8	0.0	114	22.7						22.7	8.2	8.2	30.3	30.3	90.1	90.1	6.5	6.5	5.3	5.3	4	4	-	-	-	-	817194	807800	-	-	-	-					
	7.8	0.0	116	22.7						22.7	8.2	8.2	30.3	30.3	90.1	90																					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	09:57	8.0	Surface	1.0	0.4	40	22.7	22.7	8.2	8.2	29.4	29.4	90.8	90.8	6.6	6.5	5.5	9.5	3	3	83	86	86	815601	804259	<0.2	0.8	<0.2	0.8	
						1.0	0.4	33	22.7	8.2	8.2	29.4	29.4	90.7	90.7	6.6	6.5	5.5	9.5	3	3	86	86	86	815601	804259	<0.2	0.8	<0.2	0.8		
						4.0	0.3	51	22.6	8.2	8.2	29.9	29.9	88.5	88.5	6.4	6.3	11.2	9.5	4	4	87	86	86	815601	804259	<0.2	0.8	<0.2	0.8		
					Middle	4.0	0.4	44	22.6	8.2	8.2	29.9	29.9	88.4	88.4	6.4	6.3	11.8	9.5	3	3	86	86	86	815601	804259	<0.2	0.8	<0.2	0.8		
						7.0	0.4	8	22.6	8.2	8.2	30.1	30.1	87.2	87.2	6.3	6.3	11.6	9.5	4	4	87	87	87	815601	804259	<0.2	0.8	<0.2	0.8		
						7.0	0.3	2	22.6	8.2	8.2	30.1	30.1	87.1	87.1	6.3	6.3	11.5	9.5	3	3	88	88	88	815601	804259	<0.2	0.8	<0.2	0.8		
C2	Misty	Moderate	11:32	11.0	Surface	1.0	0.3	5	23.3	23.3	8.1	8.1	29.1	29.1	83.9	83.9	6.1	6.1	2.4	2.9	4	4	52	52	52	825700	806927	<0.2	1.0	<0.2	1.0	
						1.0	0.3	2	23.3	8.1	8.1	29.1	29.1	83.9	83.9	6.1	6.1	2.4	2.9	5	5	52	52	52	825700	806927	<0.2	1.0	<0.2	1.0		
						5.5	0.3	350	23.3	8.1	8.1	29.2	29.2	84.0	84.0	6.1	6.1	2.8	2.9	4	4	91	91	91	825700	806927	<0.2	1.1	<0.2	1.1		
					Middle	5.5	0.3	347	23.3	8.1	8.1	29.1	29.1	84.0	84.0	6.1	6.1	2.7	2.9	4	4	91	91	91	825700	806927	<0.2	1.0	<0.2	1.0		
						10.0	0.3	358	23.3	8.1	8.1	29.2	29.2	84.6	84.6	6.2	6.2	3.4	3.4	4	4	90	90	90	825700	806927	<0.2	0.9	<0.2	0.9		
						10.0	0.2	358	23.3	8.1	8.1	29.1	29.1	84.7	84.7	6.2	6.2	3.4	3.4	4	4	90	90	90	825700	806927	<0.2	1.0	<0.2	1.0		
C3	Misty	Moderate	09:40	10.4	Surface	1.0	0.5	267	23.6	23.6	8.0	8.0	28.8	28.8	84.0	84.0	6.1	6.2	3.4	4.4	5	4	44	44	44	822088	817788	<0.2	0.8	<0.2	0.8	
						1.0	0.6	273	23.6	8.0	8.0	28.8	28.8	84.0	84.0	6.1	6.2	3.3	4.4	4	4	44	44	44	822088	817788	<0.2	0.9	<0.2	0.9		
						5.2	0.4	260	23.6	8.0	8.0	28.8	28.8	85.7	85.8	6.2	6.2	4.2	4.4	4	4	86	86	86	822088	817788	<0.2	0.9	<0.2	0.9		
					Middle	5.2	0.5	259	23.6	8.0	8.0	28.8	28.8	85.9	85.9	6.2	6.2	4.3	4.4	3	3	86	86	86	822088	817788	<0.2	0.8	<0.2	0.8		
						9.4	0.5	278	23.6	8.1	8.1	28.8	28.8	89.5	89.5	6.5	6.5	5.3	5.3	3	3	86	86	86	822088	817788	<0.2	1.1	<0.2	1.1		
						9.4	0.5	283	23.6	8.1	8.1	28.8	28.8	89.9	89.9	6.5	6.5	5.8	5.8	4	4	86	86	86	822088	817788	<0.2	1.0	<0.2	1.0		
IM1	Cloudy	Moderate	10:20	6.7	Surface	1.0	0.2	29	22.7	22.7	8.2	8.2	30.0	30.0	89.1	89.2	6.5	6.5	7.2	9.4	4	4	85	85	85	818340	806464	<0.2	0.8	<0.2	0.8	
						1.0	0.2	26	22.7	8.2	8.2	30.0	30.0	89.2	89.2	6.5	6.5	7.1	9.4	5	5	86	86	86	818340	806464	<0.2	0.7	<0.2	0.7		
						3.4	0.2	2	22.7	8.2	8.2	30.0	30.0	89.5	89.5	6.5	6.5	10.3	9.4	4	4	87	87	87	818340	806464	<0.2	0.8	<0.2	0.8		
					Middle	3.4	0.2	5	22.7	8.2	8.2	30.0	30.0	89.5	89.5	6.5	6.5	10.9	9.4	4	4	86	86	86	818340	806464	<0.2	0.8	<0.2	0.8		
						5.7	0.2	29	22.7	8.2	8.2	30.0	30.0	90.3	90.4	6.6	6.6	10.4	9.4	3	3	87	87	87	818340	806464	<0.2	0.8	<0.2	0.8		
						5.7	0.2	31	22.7	8.2	8.2	30.0	30.0	90.5	90.4	6.6	6.6	10.4	9.4	3	3	87	87	87	818340	806464	<0.2	0.8	<0.2	0.8		
IM2	Cloudy	Moderate	10:43	7.1	Surface	1.0	0.3	13	22.7	22.7	8.2	8.2	29.9	29.9	87.2	87.3	6.3	6.4	8.6	8.4	4	4	85	85	85	818830	806206	<0.2	0.8	<0.2	0.8	
						1.0	0.3	17	22.7	8.2	8.2	29.9	29.9	87.4	87.3	6.4	6.4	8.9	8.4	4	4	86	86	86	818830	806206	<0.2	0.9	<0.2	0.9		
						3.6	0.3	31	22.7	8.2	8.2	29.9	29.9	88.1	88.1	6.4	6.4	7.5	8.4	5	5	86	86	86	818830	806206	<0.2	0.8	<0.2	0.8		
					Middle	3.6	0.3	24	22.7	8.2	8.2	29.9	29.9	88.0	88.1	6.4	6.4	7.8	8.4	4	4	86	86	86	818830	806206	<0.2	0.8	<0.2	0.8		
						6.1	0.3	16	22.7	8.2	8.2	30.0	30.0	87.3	87.3	6.3	6.3	8.8	8.4	4	4	87	87	87	818830	806206	<0.2	0.8	<0.2	0.8		
						6.1	0.3	15	22.7	8.2	8.2	30.0	30.0	87.3	87.3	6.3	6.3	8.9	8.4	3	3	87	87	87	818830	806206	<0.2	0.8	<0.2	0.8		
IM3	Cloudy	Moderate	10:48	8.0	Surface	1.0	0.3	5	22.7	22.7	8.2	8.2	29.8	29.8	87.7	87.7	6.4	6.4	5.7	6.1	4	4	85	85	85	819393	806027	<0.2	0.9	<0.2	0.9	
						1.0	0.3	6	22.7	8.2	8.2	29.8	29.8	87.7	87.7	6.4	6.4	5.6	6.1	5	5	86	86	86	819393	806027	<0.2	0.8	<0.2	0.8		
						4.0	0.2	26	22.7	8.2	8.2	29.7	29.8	87.3	87.3	6.3	6.3	7.1	6.1	4	4	87	87	87	819393	806027	<0.2	0.8	<0.2	0.8		
					Middle	4.0	0.3	28	22.7	8.2	8.2	29.8	29.8	87.3	87.3	6.3	6.3	7.2	6.1	3	3	88	88	88	819393	806027	<0.2	0.8	<0.2	0.8		
						7.0	0.2	40	22.7	8.2	8.2	29.8	29.8	87.5	87.6	6.4	6.4	5.1	6.1	3	3	88	88	88	819393	806027	<0.2	0.8	<0.2	0.8		
						7.0	0.2	41	22.7	8.2	8.2	29.8	29.8	87.6	87.6	6.4	6.4	5.8	6.1	4	4	87	87	87	819393	806027	<0.2	0.8	<0.2	0.8		
IM4	Cloudy	Moderate	10:53	7.6	Surface	1.0	0.2	0	22.7	22.7	8.2	8.2	29.7	29.7	89.6	89.6	6.5	6.5	5.2	6.3	4	4	85	85	85	819572	805019	<0.2	0.8	<0.2	0.8	
						1.0	0.3	359	22.7	8.2	8.2	29.7	29.7	89.5	89.5	6.5	6.5	5.2	6.3	5	5	86	86	86	819572	805019	<0.2	0.9	<0.2	0.9		
						3.8	0.3	28	22.7	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	6.5	6.3	4	4	87	87	87	819572	805019	<0.2	0.8	<0.2	0.8		
					Middle	3.8	0.3	31	22.7	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	6.5	6.3	4	4	87	87	87	819572	805019	<0.2	0.8	<0.2	0.8		
						6.6	0.3	10	22.7	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	7.0	6.3	3	3	87	87	87	819572	805019	<0.2	0.8	<0.2	0.8		
						6.6	0.3	6	22.7	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	7.2	6.3	4	4	88	88	88	819572	805019	<0.2	0.8	<0.2	0.8		
IM5	Cloudy	Moderate	10:59	7.2	Surface	1.0	0.3	5	22.7	22.7	8.2	8.2	29.7	29.7	87.9	87.9	6.4	6.4	6.2	8.6	4	4	85	85	85	820568	804938	<0.2	0.8	<0.2	0.8	
						1.0	0.3	5	22.7	8.2	8.2	29.7	29.7	87.8	87.8	6.4	6.4	6.6	8.6	3	3	86	86	86	820568	804938	<0.2	0.8	<0.2	0.8		
						3.6	0.3	352	22.6	8.2	8.2	29.9	29.9	87.0	87.0	6.3	6.3	9.0	8.6	4	4	87	87	87	820568	804938	<0.2	0.8	<0.2	0.8		
					Middle	3.6	0.3	348	22.6	8.2	8.2	29.9	29.9	86.9	86.9																	

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

Water Quality Monitoring Results on 02 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Rough	03:20	7.9	Surface	1.0	0.6	218	22.1	22.1	8.2	8.2	30.3	30.3	89.4	89.4	6.6	6.6	3.4	3.4	6	6	83	83	815618	804248	<0.2	<0.2	0.8	0.7				
						1.0	0.5	225	22.1	8.2	8.2	30.3	30.3	89.4	89.4	6.6	6.6	3.4	3.4	7	7	83	83			<0.2	<0.2	0.7	0.7					
						4.0	0.5	229	22.1	8.2	8.2	30.4	30.4	88.4	88.4	6.5	6.5	3.6	3.6	5	5	87	87			<0.2	<0.2	0.7	0.7					
					4.0	0.5	231	22.1	8.2	8.2	30.4	30.4	88.4	88.4	6.5	6.5	3.7	3.7	6	6	87	87			<0.2	<0.2	0.8	0.8						
					6.9	0.5	191	22.2	8.2	8.2	30.8	30.8	87.4	87.4	6.4	6.4	6.4	6.4	6	6	90	90			<0.2	<0.2	0.7	0.7						
					6.9	0.5	186	22.2	8.2	8.2	30.8	30.8	87.4	87.4	6.4	6.4	6.4	6.4	5	5	90	90			<0.2	<0.2	0.7	0.7						
C2	Cloudy	Moderate	05:27	12.4	Surface	1.0	0.9	178	22.4	22.4	8.1	8.2	28.4	28.5	88.0	88.0	6.5	6.5	4.3	4.3	3	3	86	86	825701	806954	<0.2	<0.2	1.6	1.4				
						1.0	0.9	173	22.4	8.2	8.2	28.5	28.5	87.9	87.9	6.5	6.5	4.5	4.5	3	3	87	87			<0.2	<0.2	1.5	1.5					
						6.2	0.9	162	22.2	8.2	8.2	28.6	28.6	88.3	88.4	6.6	6.6	5.7	5.7	3	3	87	87			<0.2	<0.2	1.6	1.6					
					6.2	0.9	165	22.2	8.2	8.2	28.6	28.6	88.4	88.4	6.6	6.6	6.2	6.2	3	3	85	85			<0.2	<0.2	1.1	1.1						
					11.4	1.0	167	22.3	8.2	8.2	28.6	28.6	90.7	90.9	6.7	6.8	9.8	9.8	3	3	90	90			<0.2	<0.2	1.1	1.1						
					11.4	1.0	169	22.3	8.2	8.2	28.6	28.6	91.0	90.9	6.8	6.8	9.8	9.8	3	3	90	90			<0.2	<0.2	1.1	1.1						
C3	Cloudy	Moderate	03:37	12.0	Surface	1.0	0.5	69	22.9	22.9	8.1	8.1	29.6	29.6	81.8	81.8	6.0	6.0	2.8	2.8	3	3	84	84	822108	817817	<0.2	<0.2	1.1	1.1				
						1.0	0.5	69	22.9	8.1	8.1	29.6	29.6	81.8	81.8	6.0	6.0	2.9	2.9	3	3	85	85			<0.2	<0.2	1.1	1.1					
						6.0	0.5	66	22.9	8.1	8.1	29.7	29.7	81.1	81.1	5.9	5.9	7.0	7.0	3	3	86	86			<0.2	<0.2	1.2	1.1					
					6.0	0.5	67	22.9	8.1	8.1	29.7	29.7	81.1	81.1	5.9	5.9	7.0	7.0	3	3	87	87			<0.2	<0.2	1.1	1.1						
					11.0	0.5	71	22.9	8.1	8.1	29.7	29.7	80.2	80.0	5.9	5.9	5.4	5.4	4	4	90	90			<0.2	<0.2	1.1	1.1						
					11.0	0.5	74	22.9	8.1	8.1	29.7	29.7	79.8	80.0	5.9	5.9	6.0	6.0	3	3	91	91			<0.2	<0.2	1.1	1.1						
IM1	Fine	Rough	03:37	7.1	Surface	1.0	0.5	201	22.2	22.2	8.2	8.2	30.2	30.2	88.9	88.9	6.5	6.5	2.3	2.3	5	5	82	82	818336	806445	<0.2	<0.2	0.7	0.7				
						1.0	0.5	204	22.2	8.2	8.2	30.2	30.2	88.9	88.9	6.5	6.5	2.3	2.3	4	4	82	82			<0.2	<0.2	0.7	0.7					
						3.6	0.5	196	22.2	8.2	8.2	30.2	30.2	87.3	87.3	6.4	6.4	2.6	2.6	5	5	86	86			<0.2	<0.2	0.7	0.7					
					3.6	0.5	194	22.2	8.2	8.2	30.2	30.2	87.3	87.3	6.4	6.4	2.6	2.6	5	5	86	86			<0.2	<0.2	0.7	0.7						
					6.1	0.5	190	22.1	8.2	8.2	30.3	30.3	87.2	87.3	6.4	6.4	2.8	2.8	4	4	91	91			<0.2	<0.2	0.7	0.7						
					6.1	0.5	195	22.1	8.2	8.2	30.3	30.3	87.3	87.3	6.4	6.4	2.9	2.9	3	3	91	91			<0.2	<0.2	0.8	0.8						
IM2	Fine	Rough	03:49	7.3	Surface	1.0	0.5	204	22.2	22.2	8.2	8.2	30.1	30.1	87.3	87.3	6.4	6.4	3.1	3.1	4	4	82	82	818850	806190	<0.2	<0.2	0.8	0.8				
						1.0	0.5	196	22.2	8.2	8.2	30.1	30.1	87.3	87.3	6.4	6.4	3.1	3.1	4	4	83	83			<0.2	<0.2	0.8	0.8					
						3.7	0.5	206	22.2	8.2	8.2	30.2	30.2	87.2	87.2	6.4	6.4	2.4	2.4	4	4	86	86			<0.2	<0.2	0.8	0.8					
					3.7	0.4	199	22.2	8.2	8.2	30.2	30.2	87.2	87.2	6.4	6.4	2.4	2.4	5	5	86	86			<0.2	<0.2	0.8	0.8						
					6.3	0.5	188	22.2	8.2	8.2	30.2	30.2	86.5	86.5	6.3	6.3	2.5	2.5	4	4	90	90			<0.2	<0.2	0.8	0.8						
					6.3	0.5	194	22.2	8.2	8.2	30.2	30.2	86.5	86.5	6.3	6.3	2.5	2.5	4	4	90	90			<0.2	<0.2	0.8	0.8						
IM3	Fine	Rough	04:02	7.5	Surface	1.0	0.5	211	22.2	22.2	8.2	8.2	30.0	30.0	87.3	87.3	6.4	6.4	3.1	3.1	5	5	83	83	819423	806013	<0.2	<0.2	0.8	0.8				
						1.0	0.5	205	22.2	8.2	8.2	30.0	30.0	87.3	87.3	6.4	6.4	3.1	3.1	5	5	83	83			<0.2	<0.2	0.8	0.8					
						3.8	0.5	204	22.2	8.2	8.2	30.0	30.0	87.1	87.2	6.4	6.4	3.8	3.8	4	4	88	88			<0.2	<0.2	0.8	0.8					
					3.8	0.5	208	22.2	8.2	8.2	30.0	30.0	87.2	87.2	6.4	6.4	3.8	3.8	7	7	88	88			<0.2	<0.2	0.8	0.8						
					6.5	0.5	183	22.2	8.2	8.2	30.1	30.1	86.8	86.8	6.4	6.4	8.2	8.2	5	5	90	90			<0.2	<0.2	0.8	0.8						
					6.5	0.5	190	22.2	8.2	8.2	30.1	30.1	86.8	86.8	6.4	6.4	8.2	8.2	5	5	91	91			<0.2	<0.2	0.9	0.9						
IM4	Fine	Rough	04:17	7.7	Surface	1.0	0.6	186	22.2	22.2	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	2.8	2.8	4	4	87	87	819555	805042	<0.2	<0.2	0.9	0.8				
						1.0	0.6	187	22.2	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	2.8	2.8	5	5	83	83			<0.2	<0.2	0.8	0.8					
						3.9	0.5	184	22.2	8.2	8.2	29.8	29.8	87.2	87.2	6.4	6.4	2.9	2.9	5	5	86	86			<0.2	<0.2	0.8	0.8					
					3.9	0.4	178	22.2	8.2	8.2	29.8	29.8	87.2	87.2	6.4	6.4	2.9	2.9	6	6	87	87			<0.2	<0.2	0.8	0.8						
					6.7	0.5	171	22.2	8.2	8.2	30.1	30.1	87.0	87.0	6.4	6.4	3.3	3.3	6	6	90	90			<0.2	<0.2	0.6	0.6						
					6.7	0.5	177	22.2	8.2	8.2	30.1	30.1	87.0	87.0	6.4	6.4	3.3	3.3	5	5	91	91			<0.2	<0.2	0.7	0.7						
IM5	Fine	Rough	04:34	7.2	Surface	1.0	0.5	199	22.2	22.2	8.2	8.2	30.3	30.3	89.5	89.5	6.6	6.6	3.8	3.8	6	6	87	87	820562	804926	<0.2	<0.2	0.7	0.7				
						1.0	0.5	192	22.2	8.2	8.2	30.2	30.3	89.5	89.5	6.6	6.6	3.7	3.7	6	6	83	83			<0.2	<0.2	0.7	0.7					
						3.6	0.6	174	22.2	8.2	8.2	30.3	30.4	86.4	86.4	6.3	6.3	6.3	6.3	6	6	87	87			<0.2	<0.2	0.6	0.6					
					3.6	0.6	177	22.2	8.2	8.2	30.3	30.4	86.4	86.4	6.3	6.3	6.2	6.2	6	6	87	87			<0.2	<0.2	0.7	0.7						
					6.2	0.5	175	22.2	8.2	8.2	30.4	30.4	86.2	86.2	6.3	6.3	8.2	8.2	5	5	91	91			<0.2	<0.2	0.8	0.8						
					6.2	0.5	168	22.2	8.2	8.2	30.4	30.4	86.2	86.2	6.3	6.3	8.3	8.3	5	5	91	91			<0.2	<0.2	0.8	0.8						
IM6	Fine	Rough	04:44	7.6	Surface	1.0	0.5	188	22.3	22.3	8.2	8.2	29.2	29.2	87.8	87.8	6.4	6.4	1.6	1.6	4	4	83	83	821043	805823	<0.2	<0.2	0.9	0.9				
						1.0	0.5	186	22.3	8.2	8.2	29.2	29.2	87.7	87.7	6.4	6.4	1																

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

Water Quality Monitoring Results on 02 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
IM9	Cloudy	Moderate	04:57	6.8	Surface	1.0	0.6	156	22.3	22.3	8.2	8.2	28.3	28.3	89.7	89.7	6.7	6.7	1.9	3	85	87	-	-	822075	808811	<0.2	1.1	1.2	1.1							
						1.0	0.6	155	22.3	22.3	8.2	8.2	28.3	28.3	89.7	89.7	6.7	6.7	2.0	3	86	87	-	-	-	-	-	-	<0.2	1.1	1.2	1.1					
						3.4	0.6	143	22.3	22.3	8.2	8.2	28.3	28.4	89.6	89.6	6.7	6.7	2.4	3	87	84	-	-	-	-	-	-	<0.2	1.3	1.2	1.2					
					Middle	3.4	0.6	147	22.3	22.3	8.2	8.2	28.4	28.4	89.6	89.6	6.7	6.7	2.5	3	87	84	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
						5.8	0.6	158	22.2	22.2	8.2	8.2	28.5	28.5	89.6	89.6	6.7	6.7	3.0	4	90	89	-	-	-	-	-	-	<0.2	1.3	1.2	1.3					
						5.8	0.6	153	22.2	22.2	8.2	8.2	28.5	28.5	89.6	89.6	6.7	6.7	3.2	3	89	89	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
					IM10	Cloudy	Moderate	04:50	6.8	Surface	1.0	0.6	125	22.4	22.4	8.2	8.2	28.1	28.1	89.6	89.6	6.7	6.7	1.7	3	85	85	-	-	822237	809851	<0.2	1.3	1.2	1.3		
											1.0	0.6	124	22.4	22.4	8.2	8.2	28.1	28.1	89.6	89.6	6.7	6.7	1.8	3	85	87	-	-	-	-	-	-	<0.2	1.2	1.2	1.2
											3.4	0.6	122	22.3	22.3	8.2	8.2	28.3	28.4	88.9	88.9	6.6	6.6	2.4	3	87	87	-	-	-	-	-	-	<0.2	1.2	1.2	1.2
Middle	3.4	0.6	127	22.2						22.2	8.2	8.2	28.4	28.4	88.9	88.9	6.6	6.6	2.6	3	87	87	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
	5.8	0.6	122	22.2						22.2	8.2	8.2	28.5	28.5	88.6	88.6	6.6	6.6	3.7	3	88	88	-	-	-	-	-	-	<0.2	1.3	1.2	1.3					
	5.8	0.6	115	22.2						22.2	8.2	8.2	28.5	28.5	88.6	88.6	6.6	6.6	3.7	3	91	91	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
IM11	Cloudy	Moderate	04:46	7.1						Surface	1.0	0.6	87	22.3	22.3	8.2	8.2	28.1	28.1	90.0	90.0	6.7	6.7	1.8	4	85	85	-	-	821488	810536	<0.2	1.3	1.2	1.3		
											1.0	0.6	85	22.3	22.3	8.2	8.2	28.1	28.1	90.0	90.0	6.7	6.7	1.8	3	85	86	-	-	-	-	-	-	<0.2	1.2	1.2	1.2
											3.6	0.6	83	22.3	22.3	8.2	8.2	28.4	28.4	90.0	90.0	6.7	6.7	2.7	4	86	86	-	-	-	-	-	-	<0.2	1.1	1.1	1.2
					Middle	3.6	0.6	84	22.2	22.2	8.2	8.2	28.4	28.4	90.0	90.0	6.7	6.7	2.8	4	86	89	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
						6.1	0.6	104	22.2	22.2	8.2	8.2	28.4	28.5	90.8	90.9	6.8	6.8	3.4	4	89	88	-	-	-	-	-	-	<0.2	1.1	1.1	1.1					
						6.1	0.6	96	22.2	22.2	8.2	8.2	28.5	28.5	91.0	91.0	6.8	6.8	3.5	4	88	88	-	-	-	-	-	-	<0.2	1.0	1.0	1.0					
					IM12	Cloudy	Moderate	04:23	8.2	Surface	1.0	0.7	97	22.2	22.2	8.1	8.1	28.4	28.4	89.1	89.1	6.6	6.6	2.4	4	84	85	-	-	821178	811532	<0.2	1.1	1.1	1.1		
											1.0	0.7	95	22.2	22.2	8.1	8.1	28.4	28.4	89.1	89.1	6.6	6.6	2.4	3	85	87	-	-	-	-	-	-	<0.2	1.0	1.0	1.0
											4.1	0.7	85	22.2	22.2	8.1	8.1	28.4	28.5	89.3	89.4	6.6	6.6	2.5	4	87	86	-	-	-	-	-	-	<0.2	1.1	1.1	1.1
Middle	4.1	0.7	88	22.2						22.2	8.1	8.1	28.4	28.5	89.4	89.4	6.7	6.7	2.5	4	86	86	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
	7.2	0.7	116	22.2						22.2	8.1	8.1	28.5	28.5	90.9	91.1	6.8	6.8	2.4	4	87	87	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
	7.2	0.7	109	22.2						22.2	8.1	8.1	28.5	28.5	91.2	91.2	6.8	6.8	2.4	3	90	90	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
SR1A	Cloudy	Moderate	03:57	4.9						Surface	1.0	-	-	22.3	22.3	8.1	8.1	28.3	28.3	87.8	87.9	6.5	6.5	1.9	4	-	-	-	-	819974	812662	-	-	-	-		
											1.0	-	-	22.3	22.3	8.1	8.1	28.3	28.3	87.9	87.9	6.5	6.5	1.9	4	-	-	-	-	-	-	-	-	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.9	-	-	22.2	22.2	8.1	8.1	28.4	28.4	89.5	89.7	6.7	6.7	2.1	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.9	-	-	22.2	22.2	8.1	8.1	28.4	28.4	89.8	89.7	6.7	6.7	2.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
					SR2	Cloudy	Moderate	03:42	4.7	Surface	1.0	0.6	49	22.5	22.5	8.1	8.1	28.9	28.9	85.2	85.2	6.3	6.3	2.1	4	85	87	-	-	821440	814165	<0.2	1.0	1.1	1.1		
											1.0	0.6	46	22.5	22.5	8.1	8.1	28.9	28.9	85.1	85.1	6.3	6.3	2.1	4	87	87	-	-	-	-	-	-	<0.2	1.1	1.1	1.1
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.7	0.6	27	22.5						22.5	8.1	8.1	29.0	29.0	84.9	84.9	6.3	6.3	2.5	4	88	88	-	-	-	-	-	-	<0.2	1.2	1.2	1.2					
	3.7	0.6	33	22.5						22.5	8.1	8.1	29.0	29.0	84.9	84.9	6.3	6.3	2.5	4	87	87	-	-	-	-	-	-	<0.2	1.3	1.3	1.3					
SR3	Cloudy	Moderate	05:06	8.2						Surface	1.0	0.7	156	22.5	22.5	8.2	8.2	28.2	28.2	89.5	89.5	6.6	6.6	2.4	4	-	-	-	-	822139	807547	-	-	-	-		
											1.0	0.7	163	22.4	22.4	8.2	8.2	28.2	28.2	89.4	89.4	6.6	6.6	2.5	4	-	-	-	-	-	-	-	-	-	-	-	-
											4.1	0.7	177	22.2	22.2	8.2	8.2	28.6	28.6	89.2	89.2	6.6	6.6	3.7	3	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.1	0.7	173	22.2	22.2	8.2	8.2	28.6	28.6	89.2	89.2	6.6	6.6	3.7	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
						7.2	0.7	149	22.2	22.2	8.2	8.2	28.7	28.8	90.6	90.7	6.7	6.7	4.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
						7.2	0.7	153	22.2	22.2	8.2	8.2	28.8	28.8	90.8	90.7	6.7	6.7	4.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
					SR4A	Fine	Rough	02:58	10.3	Surface	1.0	0.0	86	22.1	22.1	8.2	8.2	30.1	30.1	86.1	86.1	6.3	6.3	3.3	6	-	-	-	-	817204	807812	-	-	-	-		
											1.0	0.0	83	22.1	22.1	8.2	8.2	30.1	30.1	86.1	86.1	6.3	6.3	3.2	6	-	-	-	-	-	-	-	-	-	-	-	-
											5.2	0.0	93	22.1	22.1	8.2	8.2	30.1	30.1	85.9	85.9	6.3	6.3	3.3	6	-	-	-	-	-	-	-	-	-	-	-	-
Middle	5.2	0.1	87	22.1						22.1	8.2	8.2	30.1	30.1	85.9	85.9	6.3	6.3	3.3	7	-	-	-	-	-	-	-	-	-	-	-	-	-				
	9.3	0.0	96	22.0						22.0	8.2	8.2	30.2	30.2	86.0	86.1	6.3	6.3	3.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-				
	9.3	0.0	100	22.0						22.0	8.2	8.2	30.2	30.2	86.1	86.1	6.3	6.3	3.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-				
SR5A	Fine	Rough	02:43	4.8						Surface	1.0	0.2	120	22.2	22.2	8.2	8.2	30.0	30.0	86.3	86.3	6.3	6.3	2.8	7	-	-	-	-	816582	810684	-	-	-	-		
											1.0	0.3	121	22.2	22.2	8.2	8.2	30.0	30.0	86.3	86.3	6.3	6.3	2.9	12	-	-	-	-	-	-	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.8	0.3	106	22.2	22.2	8.2	8.2	30.0	30.0	86.6	86.6	6.3	6.3	3.7	5	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.8	0.3	101	22.2	22.2	8.2	8.2	30.0	30.0	86.6	86.6	6.3	6.3	3.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-				
					SR6	Fine	Rough	02:19	5.2	Surface	1.0	0.2	66	22.0	22.0	8.1	8.1	29.9	29.9	87.3	87.3	6.4	6.4	2.9	7	-	-	-	-	817900	814684	-	-	-	-		

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Fine	Rough	15:59	7.3	Surface	1.0	0.0	75	22.3	22.3	8.2	8.2	31.0	31.0	88.4	88.4	6.4	6.4	8.1	8.1	12	12	82	82			<0.2	0.6			
						1.0	0.0	80	22.3	8.2	8.2	31.0	31.0	88.4	88.4	6.4	6.4	8.0	8.0	13	13	83	83			<0.2	0.7				
						3.7	0.0	69	22.3	8.2	8.2	31.0	31.0	88.4	88.4	6.4	6.4	6.9	6.9	12	12	86	86			<0.2	0.6				
					Middle	3.7	0.0	62	22.3	8.2	8.2	31.0	31.0	88.4	88.4	6.4	6.4	7.0	7.0	12	12	86	86			<0.2	0.6				
						6.3	0.1	93	22.3	8.2	8.2	31.1	31.1	87.8	87.8	6.4	6.4	9.4	9.4	12	12	90	90			<0.2	0.5				
						6.3	0.1	94	22.3	8.2	8.2	31.1	31.1	87.8	87.8	6.4	6.4	9.4	9.4	11	11	90	90			<0.2	0.6				
C2	Cloudy	Moderate	14:24	12.3	Surface	1.0	0.1	338	23.0	23.0	8.1	8.1	27.5	27.5	87.1	87.0	6.4	6.4	6.9	6.9	4	4	85	85			<0.2	1.1			
						1.0	0.2	344	23.0	8.1	8.1	27.5	27.5	86.9	86.9	6.4	6.4	6.9	6.9	4	4	85	85			<0.2	1.1				
						6.2	0.1	10	23.2	8.1	8.1	27.9	27.9	84.9	84.9	6.2	6.3	7.7	7.7	3	3	87	87			<0.2	1.1				
					Middle	6.2	0.2	11	23.2	8.1	8.1	27.9	27.9	84.8	84.8	6.2	6.2	7.7	7.7	3	3	87	87			<0.2	1.1				
						11.3	0.1	327	23.2	8.1	8.1	27.9	27.9	84.6	84.6	6.2	6.2	10.0	10.0	3	3	88	88			<0.2	1.1				
						11.3	0.1	334	23.2	8.1	8.1	27.9	27.9	84.6	84.6	6.2	6.2	10.1	10.1	3	3	91	91			<0.2	1.2				
C3	Cloudy	Moderate	16:20	8.2	Surface	1.0	0.0	99	23.3	23.3	8.1	8.1	29.3	29.3	82.5	82.6	5.9	6.0	1.6	1.7	3	3	85	85			<0.2	1.0			
						1.0	0.0	92	23.3	8.1	8.1	29.3	29.3	82.6	82.6	6.0	6.0	1.7	1.7	3	3	86	86			<0.2	1.1				
						4.1	0.0	87	23.3	8.1	8.1	29.4	29.4	83.3	83.5	6.0	6.0	2.1	2.1	3	3	87	87			<0.2	1.1				
					Middle	4.1	0.0	81	23.3	8.1	8.1	29.4	29.4	83.6	83.6	6.0	6.0	2.2	2.2	3	3	86	86			<0.2	1.1				
						7.2	0.1	99	23.3	8.1	8.1	29.4	29.4	85.8	86.2	6.2	6.2	8.5	8.5	3	3	90	90			<0.2	1.2				
						7.2	0.0	95	23.3	8.1	8.1	29.4	29.4	86.6	86.6	6.2	6.2	8.0	8.0	3	3	89	89			<0.2	1.2				
IM1	Fine	Rough	15:37	6.2	Surface	1.0	0.1	36	22.2	22.2	8.2	8.2	30.3	30.6	88.4	88.4	6.5	6.5	5.1	5.1	9	9	82	82			<0.2	0.6			
						1.0	0.1	36	22.2	8.2	8.2	30.8	30.8	88.4	88.4	6.5	6.5	5.1	5.1	10	10	82	82			<0.2	0.5				
						3.1	0.1	39	22.2	8.2	8.2	30.6	30.7	88.5	88.5	6.5	6.5	6.4	6.4	8	8	86	86			<0.2	0.6				
					Middle	3.1	0.0	35	22.2	8.2	8.2	30.7	30.7	88.5	88.5	6.5	6.5	6.4	6.4	9	9	86	86			<0.2	0.6				
						5.2	0.0	40	22.2	8.2	8.2	30.7	30.8	88.3	88.4	6.4	6.4	8.4	8.4	9	9	91	91			<0.2	0.5				
						5.2	0.0	46	22.2	8.2	8.2	30.8	30.8	88.4	88.4	6.4	6.4	8.5	8.5	6	6	91	91			<0.2	0.5				
IM2	Fine	Rough	15:25	6.6	Surface	1.0	0.1	26	22.2	22.2	8.2	8.2	30.7	30.7	88.8	88.8	6.5	6.5	2.1	2.1	6	6	82	82			<0.2	0.6			
						1.0	0.1	32	22.2	8.2	8.2	30.7	30.7	88.8	88.8	6.5	6.5	2.1	2.1	6	6	83	83			<0.2	0.6				
						3.3	0.2	36	22.2	8.2	8.2	30.5	30.5	87.8	87.8	6.4	6.5	3.4	3.4	6	6	87	87			<0.2	0.5				
					Middle	3.3	0.2	30	22.2	8.2	8.2	30.5	30.5	87.8	87.8	6.4	6.4	3.5	3.5	6	6	87	87			<0.2	0.6				
						5.6	0.2	29	22.2	8.2	8.2	30.4	30.4	87.6	87.6	6.4	6.4	4.2	4.2	7	7	90	90			<0.2	0.6				
						5.6	0.2	31	22.2	8.2	8.2	31.0	30.7	87.6	87.6	6.4	6.4	4.1	4.1	6	6	90	90			<0.2	0.5				
IM3	Fine	Rough	15:11	6.8	Surface	1.0	0.1	29	22.1	22.1	8.2	8.2	30.5	30.5	88.4	88.4	6.5	6.5	4.5	4.5	7	7	83	83			<0.2	0.6			
						1.0	0.1	23	22.1	8.2	8.2	30.5	30.5	88.4	88.4	6.5	6.5	4.5	4.5	6	6	83	83			<0.2	0.6				
						3.4	0.1	45	22.1	8.2	8.2	30.5	30.5	88.3	88.3	6.5	6.5	5.1	5.1	6	6	86	86			<0.2	0.6				
					Middle	3.4	0.1	51	22.1	8.2	8.2	30.5	30.5	88.2	88.3	6.5	6.5	5.1	5.1	5	5	86	86			<0.2	0.6				
						5.8	0.1	35	22.1	8.2	8.2	30.4	30.4	88.1	88.1	6.4	6.4	5.2	5.2	5	5	90	90			<0.2	0.6				
						5.8	0.1	38	22.1	8.2	8.2	30.4	30.4	88.1	88.1	6.4	6.4	5.2	5.2	4	4	90	90			<0.2	0.6				
IM4	Fine	Rough	14:56	7.4	Surface	1.0	0.1	55	22.1	22.1	8.2	8.2	30.4	30.4	88.7	88.7	6.5	6.5	4.0	4.1	5	5	83	83			<0.2	0.6			
						1.0	0.1	49	22.1	8.2	8.2	30.4	30.4	88.7	88.7	6.5	6.5	4.1	4.1	6	6	83	83			<0.2	0.6				
						3.7	0.1	32	22.1	8.2	8.2	30.5	30.5	89.2	89.2	6.5	6.5	3.7	3.7	6	6	87	87			<0.2	0.6				
					Middle	3.7	0.1	29	22.1	8.2	8.2	30.5	30.5	89.2	89.2	6.5	6.5	3.6	3.6	6	6	87	87			<0.2	0.6				
						6.4	0.1	39	22.1	8.2	8.2	30.5	30.5	89.6	89.7	6.6	6.6	3.9	3.9	7	7	90	90			<0.2	0.6				
						6.4	0.2	37	22.1	8.2	8.2	30.5	30.5	89.8	89.8	6.6	6.6	3.9	3.9	5	5	90	90			<0.2	0.6				
IM5	Fine	Rough	14:46	7.2	Surface	1.0	0.1	43	22.2	22.2	8.2	8.2	30.0	30.9	90.4	90.5	6.6	6.6	3.1	3.1	6	6	83	83			<0.2	0.8			
						1.0	0.2	36	22.2	8.2	8.2	31.7	30.9	90.5	90.5	6.6	6.5	3.1	3.1	5	5	83	83			<0.2	0.8				
						3.6	0.1	18	22.2	8.2	8.2	30.6	30.5	87.3	87.4	6.4	6.5	4.5	4.5	5	5	87	87			<0.2	0.7				
					Middle	3.6	0.1	20	22.2	8.2	8.2	30.4	30.5	87.4	87.4	6.4	6.4	4.4	4.4	4	4	87	87			<0.2	0.8				
						6.2	0.1	36	22.2	8.2	8.2	30.5	30.5	86.8	86.8	6.3	6.3	5.7	5.7	5	5	90	90			<0.2	0.8				
						6.2	0.1	30	22.2	8.2	8.2	30.5	30.5	86.8	86.8	6.3	6.3	5.7	5.7	4	4	90	90			<0.2	0.8				
IM6	Fine	Rough	14:32	7.1	Surface	1.0	0.2	36	22.3	22.3	8.2	8.2	29.5	29.5	89.3	89.3	6.6	6.5	1.4	1.5	2	2	82	82			<0.2	0.8			
						1.0	0.1	40	22.3	8.2	8.2	29.4	29.5	89.2	89.2	6.5	6.5	1.5	1.5	3	3	83	83			<0.2	0.8				
						3.6	0.1	24	22.3	8.2	8.2	29.5	29.5	88.5	88.5	6.5	6.5	1.3	1.3	6	6	86	86			<0.2	0.8				
					Middle	3.6	0.2	24	22.3	8.2	8.2	29.5	29.5	88.5	88.5	6.5	6.5	1.3	1.3	3											

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

Water Quality Monitoring Results on 02 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:02	8.0	Surface	1.0	0.1	32	22.9	22.9	8.2	8.2	28.5	28.5	87.7	87.7	6.4	6.4	2.6	2.6	2	2	85	85	88	88	822083	808829	<0.2	<0.2	1.1	1.1		
						1.0	0.1	29	22.9	8.2	8.2	28.5	28.5	87.7	87.7	6.4	6.4	2.7	2.7	2	2	86	86	88	88	822083	808829	<0.2	<0.2	1.1	1.1			
						4.0	0.2	15	22.9	8.2	8.2	28.5	28.5	88.2	88.2	6.4	6.4	3.0	3.0	2	2	88	88	88	88	822083	808829	<0.2	<0.2	1.1	1.1			
					Middle	4.0	0.2	14	22.9	8.2	8.2	28.5	28.5	88.3	88.3	6.5	6.5	3.1	3.1	3	3	87	87	85	85	822083	808829	<0.2	<0.2	1.1	1.1			
						7.0	0.1	41	22.8	8.2	8.2	28.4	28.4	89.7	89.7	6.6	6.6	6.2	6.2	2	2	88	88	91	91	822083	808829	<0.2	<0.2	1.1	1.1			
						7.0	0.1	36	22.8	8.2	8.2	28.4	28.4	89.9	89.9	6.6	6.6	6.2	6.2	2	2	91	91	88	88	822083	808829	<0.2	<0.2	1.1	1.1			
IM10	Cloudy	Moderate	15:07	7.7	Surface	1.0	0.1	9	22.9	22.9	8.2	8.2	28.5	28.5	87.2	87.2	6.4	6.4	2.7	2.7	3	3	86	86	88	88	822262	809820	<0.2	<0.2	1.1	1.1		
						1.0	0.1	14	22.9	8.2	8.2	28.5	28.5	87.2	87.2	6.4	6.4	2.7	2.7	2	2	87	87	85	85	822262	809820	<0.2	<0.2	1.1	1.1			
						3.9	0.1	9	22.9	8.2	8.2	28.5	28.5	87.5	87.5	6.4	6.4	3.0	3.0	2	2	87	87	85	85	822262	809820	<0.2	<0.2	1.1	1.1			
					Middle	3.9	0.1	8	22.9	8.2	8.2	28.5	28.5	87.6	87.6	6.4	6.4	3.0	3.0	3	3	85	85	90	90	822262	809820	<0.2	<0.2	1.1	1.1			
						6.7	0.0	20	22.8	8.2	8.2	28.5	28.5	89.2	89.2	6.5	6.5	3.6	3.6	2	2	90	90	88	88	822262	809820	<0.2	<0.2	1.1	1.1			
						6.7	0.0	12	22.8	8.2	8.2	28.5	28.5	89.3	89.3	6.5	6.5	3.5	3.5	2	2	90	90	88	88	822262	809820	<0.2	<0.2	1.1	1.1			
IM11	Cloudy	Moderate	15:14	7.7	Surface	1.0	0.0	25	23.0	23.0	8.2	8.2	28.5	28.5	87.6	87.6	6.4	6.4	2.4	2.4	2	2	84	84	88	88	821500	810533	<0.2	<0.2	1.1	1.1		
						1.0	0.0	20	23.0	8.2	8.2	28.5	28.5	87.6	87.6	6.4	6.4	2.4	2.4	3	3	86	86	85	85	821500	810533	<0.2	<0.2	1.1	1.1			
						3.9	0.1	28	23.0	8.2	8.2	28.6	28.6	87.5	87.5	6.4	6.4	2.5	2.5	3	3	87	87	88	88	821500	810533	<0.2	<0.2	1.1	1.1			
					Middle	3.9	0.1	24	23.0	8.2	8.2	28.6	28.6	87.5	87.5	6.4	6.4	2.5	2.5	2	2	88	88	91	91	821500	810533	<0.2	<0.2	1.1	1.1			
						6.7	0.0	48	23.0	8.2	8.2	28.6	28.6	88.3	88.3	6.4	6.4	2.7	2.7	3	3	91	91	88	88	821500	810533	<0.2	<0.2	1.1	1.1			
						6.7	0.0	41	22.9	8.2	8.2	28.6	28.6	88.5	88.5	6.4	6.4	2.7	2.7	2	2	91	91	88	88	821500	810533	<0.2	<0.2	1.1	1.1			
IM12	Cloudy	Moderate	15:23	8.2	Surface	1.0	0.1	66	23.0	23.0	8.1	8.1	28.5	28.5	86.9	87.0	6.3	6.3	3.1	3.1	2	2	86	86	88	88	821171	811537	<0.2	<0.2	1.1	1.1		
						1.0	0.0	69	23.0	8.1	8.1	28.5	28.5	87.0	87.0	6.3	6.3	3.2	3.2	2	2	87	87	88	88	821171	811537	<0.2	<0.2	1.1	1.1			
						4.1	0.1	83	22.9	8.2	8.2	28.5	28.5	87.7	87.7	6.4	6.4	3.4	3.4	2	2	88	88	85	85	821171	811537	<0.2	<0.2	1.1	1.1			
					Middle	4.1	0.1	79	22.9	8.2	8.2	28.5	28.5	88.0	88.0	6.4	6.4	3.5	3.5	3	3	88	88	85	85	821171	811537	<0.2	<0.2	1.1	1.1			
						7.2	0.1	99	22.9	8.2	8.2	28.5	28.5	89.3	89.3	6.5	6.5	8.5	8.5	3	3	85	85	88	88	821171	811537	<0.2	<0.2	1.1	1.1			
						7.2	0.1	100	22.9	8.2	8.2	28.5	28.5	89.5	89.5	6.5	6.5	8.4	8.4	3	3	85	85	88	88	821171	811537	<0.2	<0.2	1.1	1.1			
SR1A	Cloudy	Moderate	15:46	5.2	Surface	1.0	-	-	22.9	22.9	8.2	8.2	28.4	28.4	86.8	86.9	6.3	6.3	3.4	3.4	4	4	-	-	-	-	819974	812654	-	-	-	-		
						1.0	-	-	22.9	8.2	8.2	28.4	28.4	86.9	86.9	6.3	6.3	3.4	3.4	4	4	-	-	-	-	819974	812654	-	-	-	-			
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.2	-	-	22.8	8.2	8.2	28.4	28.4	87.8	88.0	6.4	6.4	3.6	3.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
						4.2	-	-	22.8	8.2	8.2	28.4	28.4	88.1	88.1	6.4	6.4	3.7	3.7	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
SR2	Cloudy	Moderate	15:59	5.2	Surface	1.0	0.1	43	23.1	23.1	8.1	8.1	28.6	28.6	86.7	86.8	6.3	6.3	2.0	2.0	3	3	87	87	88	88	821456	814177	<0.2	<0.2	1.1	1.1		
						1.0	0.1	49	23.1	8.1	8.1	28.6	28.6	86.8	86.8	6.3	6.3	2.0	2.0	3	3	87	87	88	88	821456	814177	<0.2	<0.2	1.1	1.1			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.1	49	23.1	8.2	8.2	28.7	28.7	87.4	87.6	6.4	6.4	2.0	2.0	3	3	88	88	85	85	821456	814177	<0.2	<0.2	1.1	1.1			
						4.2	0.1	54	23.1	8.2	8.2	28.7	28.7	87.7	87.7	6.4	6.4	2.0	2.0	4	4	91	91	88	88	821456	814177	<0.2	<0.2	1.1	1.1			
SR3	Cloudy	Moderate	14:50	8.4	Surface	1.0	0.2	353	23.0	23.0	8.1	8.1	27.7	27.8	88.4	88.4	6.5	6.5	3.4	3.4	4	4	-	-	-	-	822144	807570	-	-	-	-		
						1.0	0.1	347	23.0	8.1	8.1	27.8	27.8	88.3	88.3	6.5	6.5	3.4	3.4	5	5	-	-	-	-	822144	807570	-	-	-	-			
						4.2	0.1	13	23.0	8.1	8.1	28.1	28.1	88.2	88.3	6.4	6.4	2.9	2.9	4	4	-	-	-	-	822144	807570	-	-	-	-			
					Middle	4.2	0.1	11	23.0	8.1	8.1	28.1	28.1	88.1	88.1	6.4	6.4	2.9	2.9	4	4	-	-	-	-	822144	807570	-	-	-	-			
						7.4	0.2	29	22.8	8.1	8.1	28.3	28.3	88.9	89.1	6.5	6.5	5.9	5.9	4	4	-	-	-	-	822144	807570	-	-	-	-			
						7.4	0.2	24	22.8	8.1	8.1	28.3	28.3	89.2	89.2	6.5	6.5	5.8	5.8	5	5	-	-	-	-	822144	807570	-	-	-	-			
SR4A	Fine	Rough	16:21	9.8	Surface	1.0	0.0	97	22.2	22.2	8.2	8.2	30.4	30.4	89.3	89.3	6.5	6.5	2.5	2.5	5	5	-	-	-	-	817181	807819	-	-	-	-		
						1.0	0.1	92	22.2	8.2	8.2	30.3	30.4	89.3	89.3	6.5	6.5	2.5	2.5	5	5	-	-	-	-	817181	807819	-	-	-	-			
						4.9	0.0	85	22.3	8.2	8.2	30.8	30.8	86.4	86.4	6.3	6.3	3.7	3.7	4	4	-	-	-	-	817181	807819	-	-	-	-			
					Middle	4.9	0.0	86	22.3	8.2	8.2	30.8	30.8	86.4	86.4	6.3	6.3	3.8	3.8	5	5	-	-	-	-	817181	807819	-	-	-	-			
						8.8	0.0	87	22.3	8.2	8.2	30.9	30.9	85.5	85.5	6.2	6.2	5.3	5.3	5	5	-	-	-	-	817181	807819							

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	17:48	8.3	Surface	1.0	0.1	51	22.1	22.1	8.2	8.2	30.1	30.2	90.3	90.3	6.6	6.6	1.6	2	2	87	88	88	88	815609	804257	<0.2	0.8	<0.2	0.8					
						1.0	0.1	57	22.1	8.2	8.2	30.2	30.2	90.2	90.3	6.6	6.6	1.7	2	2	88	89	89	89	88	88	815609	804257	<0.2	0.7	<0.2	0.8				
						4.2	-	61	22.0	22.0	8.2	8.2	28.5	29.2	89.7	89.7	6.6	6.6	3.3	2	2	89	89	89	89	88	88	815609	804257	<0.2	0.7	<0.2	0.7			
					4.2	0.0	65	22.0	22.0	8.2	8.2	29.8	31.0	89.7	89.7	6.6	6.6	3.5	2	2	89	89	89	89	88	88	815609	804257	<0.2	0.7	<0.2	0.7				
					7.3	0.0	55	22.0	22.0	8.2	8.2	31.7	31.0	89.8	89.8	6.5	6.6	3.5	2	2	86	86	86	86	88	88	815609	804257	<0.2	0.7	<0.2	0.8				
					7.3	0.0	50	22.0	22.0	8.2	8.2	30.3	31.0	89.8	89.8	6.6	6.6	3.7	2	2	86	86	86	86	88	88	815609	804257	<0.2	0.8	<0.2	0.7				
C2	Misty	Moderate	16:37	11.2	Surface	1.0	0.0	331	22.5	22.5	8.0	8.0	27.9	28.0	88.3	88.5	6.5	6.5	4.3	2	2	47	47	47	47	825676	806962	<0.2	0.8	<0.2	0.8					
						1.0	0.0	335	22.5	22.5	8.0	8.0	28.0	28.0	88.6	88.6	6.6	6.6	4.3	2	2	47	47	47	47	825676	806962	<0.2	0.7	<0.2	0.8					
						5.6	0.0	341	22.5	22.5	8.0	8.0	28.0	28.0	89.5	89.7	6.6	6.6	5.5	2	2	82	82	82	82	825676	806962	<0.2	0.8	<0.2	0.9					
					5.6	0.1	338	22.5	22.5	8.0	8.0	28.0	28.0	89.8	89.8	6.7	6.7	5.4	2	2	83	83	83	83	825676	806962	<0.2	0.9	<0.2	0.7						
					10.2	0.0	356	22.5	22.5	8.0	8.0	28.0	28.0	90.8	91.1	6.7	6.8	6.6	2	2	91	91	91	91	825676	806962	<0.2	0.7	<0.2	0.7						
					10.2	0.0	348	22.5	22.5	8.0	8.0	28.0	28.0	91.3	91.3	6.8	6.8	6.6	2	2	91	91	91	91	825676	806962	<0.2	0.7	<0.2	0.7						
C3	Misty	Moderate	18:34	10.2	Surface	1.0	0.1	103	23.0	23.0	8.0	8.0	28.1	28.1	86.2	86.3	6.3	6.3	5.0	2	2	52	52	52	52	822095	817816	<0.2	0.8	<0.2	0.8					
						1.0	0.1	105	23.0	23.0	8.0	8.0	28.1	28.1	86.4	86.3	6.3	6.3	5.0	3	3	52	52	52	52	822095	817816	<0.2	0.8	<0.2	0.8					
						5.1	0.1	117	23.0	23.0	8.0	8.0	28.1	28.1	87.2	87.4	6.4	6.4	6.1	2	3	85	85	85	85	822095	817816	<0.2	0.7	<0.2	0.8					
					5.1	0.1	122	23.0	23.0	8.0	8.0	28.1	28.1	87.6	87.4	6.4	6.4	6.1	3	3	85	85	85	85	822095	817816	<0.2	0.8	<0.2	0.8						
					9.2	0.1	94	23.0	23.0	8.0	8.0	28.1	28.1	88.4	91.4	6.6	6.8	6.5	3	3	87	87	87	87	822095	817816	<0.2	0.7	<0.2	0.7						
					9.2	0.1	93	23.0	23.0	8.0	8.0	28.1	28.1	88.4	91.4	6.9	6.9	6.5	4	4	87	87	87	87	822095	817816	<0.2	0.7	<0.2	0.7						
IM1	Cloudy	Moderate	17:27	6.4	Surface	1.0	0.1	35	22.2	22.2	8.2	8.2	30.2	30.2	89.2	89.2	6.5	6.5	1.7	2	2	85	85	85	85	818345	806448	<0.2	0.7	<0.2	0.8					
						1.0	0.1	33	22.2	22.2	8.2	8.2	30.2	30.2	89.1	89.1	6.5	6.5	1.8	3	3	87	87	87	87	818345	806448	<0.2	0.8	<0.2	0.8					
						3.2	0.1	15	22.2	22.2	8.2	8.2	31.0	31.0	86.7	86.7	6.3	6.4	6.7	2	2	88	88	88	88	818345	806448	<0.2	0.7	<0.2	0.9					
					3.2	0.0	11	22.2	22.2	8.2	8.2	31.0	31.0	86.7	86.7	6.3	6.3	7.1	2	2	89	89	89	89	818345	806448	<0.2	0.7	<0.2	0.7						
					5.4	0.0	40	22.2	22.2	8.2	8.2	31.0	31.0	87.5	87.6	6.4	6.4	9.6	2	2	92	92	92	92	818345	806448	<0.2	0.7	<0.2	0.7						
					5.4	0.0	44	22.2	22.2	8.2	8.2	31.0	31.0	87.7	87.7	6.4	6.4	10.0	2	2	92	92	92	92	818345	806448	<0.2	0.8	<0.2	0.8						
IM2	Cloudy	Moderate	17:23	6.6	Surface	1.0	0.1	36	22.2	22.2	8.2	8.2	29.8	29.9	88.6	88.6	6.5	6.5	1.9	2	2	86	86	86	86	818851	806208	<0.2	0.7	<0.2	0.8					
						1.0	0.1	30	22.2	22.2	8.2	8.2	30.0	30.0	88.5	88.5	6.5	6.5	2.0	2	2	88	88	88	88	818851	806208	<0.2	0.8	<0.2	0.8					
						3.3	0.1	46	22.2	22.2	8.2	8.2	30.7	30.7	86.9	86.9	6.3	6.4	3.1	2	2	89	89	89	89	818851	806208	<0.2	0.8	<0.2	0.8					
					3.3	0.1	39	22.2	22.2	8.2	8.2	30.7	30.7	86.8	86.9	6.3	6.3	3.2	2	2	88	88	88	88	818851	806208	<0.2	0.8	<0.2	0.8						
					5.6	0.1	44	22.1	22.1	8.2	8.2	30.8	30.8	86.9	87.0	6.3	6.3	4.0	2	2	86	86	86	86	818851	806208	<0.2	0.8	<0.2	0.8						
					5.6	0.1	41	22.1	22.1	8.2	8.2	30.8	30.8	87.0	87.0	6.3	6.3	4.0	2	2	86	86	86	86	818851	806208	<0.2	0.7	<0.2	0.7						
IM3	Cloudy	Moderate	17:20	7.2	Surface	1.0	0.1	42	22.2	22.2	8.2	8.2	29.6	29.5	87.2	87.1	6.4	6.4	2.0	3	3	85	85	85	85	819414	806021	<0.2	0.8	<0.2	0.8					
						1.0	0.2	36	22.2	22.2	8.2	8.2	29.4	29.4	87.0	87.1	6.3	6.3	2.1	2	2	87	87	87	87	819414	806021	<0.2	0.8	<0.2	0.8					
						3.6	0.1	61	22.1	22.1	8.2	8.2	30.8	30.8	85.4	85.4	6.2	6.2	8.2	2	2	88	88	88	88	819414	806021	<0.2	0.8	<0.2	0.8					
					3.6	0.0	65	22.1	22.1	8.2	8.2	30.8	30.8	85.4	85.4	6.2	6.2	8.7	3	3	89	89	89	89	819414	806021	<0.2	0.8	<0.2	0.8						
					6.2	0.1	54	22.1	22.1	8.2	8.2	32.1	32.2	85.8	85.9	6.3	6.3	6.5	2	2	92	92	92	92	819414	806021	<0.2	0.8	<0.2	0.8						
					6.2	0.1	53	22.1	22.1	8.2	8.2	32.3	32.2	85.9	85.9	6.2	6.3	6.6	2	2	92	92	92	92	819414	806021	<0.2	0.8	<0.2	0.8						
IM4	Cloudy	Moderate	17:13	6.6	Surface	1.0	0.1	60	22.2	22.2	8.2	8.2	30.3	30.4	87.9	87.8	6.4	6.4	1.8	2	2	87	87	87	87	819551	805042	<0.2	0.7	<0.2	0.8					
						1.0	0.1	61	22.2	22.2	8.2	8.2	30.4	30.4	87.7	87.7	6.4	6.4	1.9	2	2	88	88	88	88	819551	805042	<0.2	0.8	<0.2	0.8					
						3.3	0.1	55	22.2	22.2	8.2	8.2	30.5	30.5	86.1	86.1	6.3	6.3	4.9	2	2	88	88	88	88	819551	805042	<0.2	0.6	<0.2	0.7					
					3.3	0.1	61	22.2	22.2	8.2	8.2	30.5	30.5	86.1	86.1	6.3	6.3	4.9	2	2	86	86	86	86	819551	805042	<0.2	0.7	<0.2	0.8						
					5.6	0.1	38	22.2	22.2	8.2	8.2	31.1	31.2	86.4	86.5	6.3	6.3	7.5	2	2	91	91	91	91	819551	805042	<0.2	0.8	<0.2	0.8						
					5.6	0.1	37	22.2	22.2	8.2	8.2	31.2	31.2	86.5	86.5	6.3	6.3	7.6	2	2	91	91	91	91	819551	805042	<0.2	0.8	<0.2	0.8						
IM5	Cloudy	Moderate	17:03	7.3	Surface	1.0	0.0	24	22.2	22.2	8.2	8.2	29.9	30.2	89.6	89.6	6.6	6.6	1.1	2	2	86	86	86	86	820581	804925	<0.2	0.7	<0.2	0.7					
						1.0	0.0	19	22.2	22.2	8.2	8.2	30.4	30.4	89.6	89.6	6.6	6.6	1.1	2	2	87	87	87	87	820581	804925	<0.2	0.7	<0.2	0.7					
						3.7	0.1	41	22																											

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM9	Misty	Moderate	17:02	7.2	Surface	1.0	0.1	32	22.4	22.4	8.1	8.1	29.3	29.4	84.0	84.1	6.2	6.2	5.0	5.0	<2	<2	56	56	<0.2	<0.2	0.8	0.8					
						1.0	0.1	29	22.4	8.1	8.1	29.4	29.4	84.1	84.1	6.2	6.2	5.0	5.0	<2	<2	56	56	<0.2	<0.2	0.8	0.8						
						3.6	0.0	29	22.4	8.1	8.1	29.5	29.6	88.2	88.5	6.5	6.5	6.2	6.2	<2	<2	82	82	<0.2	<0.2	0.7	0.7						
					Middle	3.6	0.0	22	22.4	8.1	8.1	29.6	29.6	88.5	88.5	6.5	6.5	6.2	6.2	<2	<2	82	82	<0.2	<2	82	82	<0.2	<0.2	0.7	0.7		
						6.2	0.1	33	22.4	8.1	8.1	29.6	29.6	90.1	90.5	6.6	6.6	6.6	6.6	<2	<2	90	90	<0.2	<2	90	90	<0.2	<0.2	0.7	0.7		
						6.2	0.1	26	22.4	8.1	8.1	29.6	29.6	90.9	90.9	6.7	6.7	6.6	6.6	<2	<2	90	90	<0.2	<2	90	90	<0.2	<0.2	0.7	0.7		
					IM10	Misty	Moderate	17:11	7.8	Surface	1.0	0.1	65	22.5	22.5	8.1	8.1	29.6	29.6	84.4	84.5	6.2	6.2	3.2	3.2	3	3	51	51	<0.2	<0.2	0.7	0.7
											1.0	0.1	59	22.5	8.1	8.1	29.6	29.6	84.6	84.6	6.2	6.2	3.2	3.2	2	2	52	52	<0.2	<0.2	0.7	0.7	
											3.9	0.1	56	22.5	8.1	8.1	29.6	29.6	87.2	87.6	6.4	6.4	4.9	4.9	2	2	89	89	<0.2	<0.2	0.8	0.8	
Middle	3.9	0.1	59	22.5						8.1	8.1	29.6	29.6	87.9	87.9	6.5	6.5	4.9	4.9	2	2	89	89	<0.2	<2	89	89	<0.2	<0.2	0.7	0.7		
	6.8	0.0	51	22.5						8.1	8.1	29.5	29.6	90.0	90.4	6.6	6.6	5.6	5.6	<2	<2	90	90	<0.2	<2	90	90	<0.2	<0.2	0.7	0.7		
	6.8	0.0	44	22.5						8.1	8.1	29.6	29.6	90.8	90.8	6.7	6.7	5.6	5.6	<2	<2	90	90	<0.2	<2	90	90	<0.2	<0.2	0.8	0.8		
IM11	Misty	Moderate	17:26	8.4						Surface	1.0	0.0	77	22.5	22.5	8.1	8.1	29.6	29.6	87.9	88.0	6.5	6.5	4.6	4.6	2	2	62	62	<0.2	<0.2	0.8	0.8
											1.0	0.0	77	22.5	8.1	8.1	29.6	29.6	88.1	88.0	6.5	6.5	4.6	4.6	2	2	62	62	<0.2	<0.2	0.8	0.8	
											4.2	0.0	58	22.4	8.1	8.1	29.6	29.6	88.7	88.8	6.5	6.5	5.3	5.3	3	3	78	78	<0.2	<0.2	0.8	0.8	
					Middle	4.2	0.0	55	22.4	8.1	8.1	29.6	29.6	88.9	88.8	6.5	6.5	5.3	5.3	3	3	78	78	<0.2	<0.2	0.8	0.8						
						7.4	0.0	51	22.4	8.1	8.1	29.6	29.6	94.7	95.0	7.0	7.0	6.8	6.8	3	3	84	84	<0.2	<0.2	0.7	0.7						
						7.4	0.0	53	22.4	8.1	8.1	29.6	29.6	95.3	95.0	7.0	7.0	6.8	6.8	2	2	85	85	<0.2	<0.2	0.8	0.8						
					IM12	Misty	Moderate	17:32	8.2	Surface	1.0	0.0	64	22.5	22.5	8.1	8.1	29.6	29.6	87.9	88.0	6.5	6.5	4.5	4.5	2	2	48	48	<0.2	<0.2	0.7	0.7
											1.0	0.0	58	22.5	8.1	8.1	29.6	29.6	88.1	88.0	6.5	6.5	4.5	4.5	2	2	48	48	<0.2	<0.2	0.7	0.7	
											4.1	0.1	69	22.4	8.1	8.1	29.6	29.6	88.8	88.8	6.5	6.5	4.6	4.6	<2	<2	79	79	<0.2	<0.2	0.8	0.8	
Middle	4.1	0.1	67	22.4						8.1	8.1	29.6	29.6	88.8	88.8	6.5	6.5	4.6	4.6	<2	<2	79	79	<0.2	<0.2	0.7	0.7						
	7.2	0.1	56	22.4						8.1	8.1	29.6	29.6	94.8	95.0	7.0	7.0	5.6	5.6	<2	<2	87	87	<0.2	<0.2	0.8	0.8						
	7.2	0.1	60	22.4						8.1	8.1	29.6	29.6	95.1	95.0	7.0	7.0	5.6	5.6	<2	<2	87	87	<0.2	<0.2	0.8	0.8						
SR1A	Misty	Moderate	18:02	4.4						Surface	1.0	-	-	22.3	22.3	8.0	8.1	29.6	29.6	83.7	85.7	6.2	6.2	4.6	4.6	<2	<2	-	-	-	-	-	-
											1.0	-	-	22.3	8.1	8.1	29.6	29.6	87.6	87.6	6.5	6.5	4.6	4.6	<2	<2	-	-	-	-	-	-	
											2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.4	-	-	22.3	8.1	8.1	29.5	29.6	89.1	89.5	6.6	6.6	6.1	6.1	<2	<2	-	-	-	-	-	-						
						3.4	-	-	22.3	8.1	8.1	29.6	29.6	89.8	89.8	6.6	6.6	6.1	6.1	<2	<2	-	-	-	-	-	-						
					SR2	Misty	Moderate	18:14	4.2	Surface	1.0	0.1	78	22.5	22.5	8.1	8.1	29.6	29.6	88.3	88.5	6.5	6.5	5.6	5.6	2	2	72	72	<0.2	<0.2	0.8	0.8
											1.0	0.1	80	22.5	8.1	8.1	29.6	29.6	88.6	88.5	6.5	6.5	5.6	5.6	2	2	72	72	<0.2	<0.2	0.8	0.8	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.2	0.1	85	22.5						8.1	8.1	29.6	29.6	91.4	91.9	6.7	6.7	6.6	6.6	2	2	102	102	<0.2	<0.2	0.6	0.6						
	3.2	0.0	89	22.5						8.1	8.1	29.6	29.6	92.4	92.4	6.8	6.8	6.6	6.6	3	3	102	102	<0.2	<0.2	0.7	0.7						
SR3	Misty	Moderate	16:40	9.4						Surface	1.0	0.1	349	22.6	22.6	8.0	8.0	27.9	27.9	87.7	87.8	6.5	6.5	4.5	4.5	2	2	-	-	-	-		
											1.0	0.1	347	22.6	8.0	8.0	27.9	27.9	87.8	87.8	6.5	6.5	4.6	4.6	2	2	-	-	-	-			
											4.7	0.1	17	22.6	8.0	8.0	27.9	27.9	88.9	89.2	6.6	6.6	5.6	5.6	2	2	-	-	-	-			
					Middle	4.7	0.1	18	22.6	8.0	8.0	27.9	27.9	89.5	89.5	6.6	6.6	5.6	5.6	2	2	-	-	-	-								
						8.4	0.2	11	22.5	8.0	8.0	27.9	27.9	91.8	92.0	6.8	6.8	6.6	6.6	3	3	-	-	-	-								
						8.4	0.2	15	22.5	8.0	8.0	27.9	27.9	92.1	92.0	6.8	6.8	6.6	6.6	2	2	-	-	-	-								
					SR4A	Cloudy	Moderate	18:04	8.4	Surface	1.0	0.0	320	22.5	22.5	8.2	8.2	30.7	30.7	87.3	87.3	6.3	6.3	3.0	2.9	<2	<2	-	-	-	-		
											1.0	0.0	316	22.5	8.2	8.2	30.7	30.7	87.3	87.3	6.3	6.3	3.0	2.9	<2	<2	-	-	-	-			
											4.2	0.0	323	22.5	8.2	8.2	30.7	30.7	87.4	87.4	6.3	6.3	3.0	3.0	<2	<2	-	-	-	-			
Middle	4.2	0.0	320	22.5						8.2	8.2	30.7	30.7	87.4	87.4	6.3	6.3	3.0	3.0	<2	<2	-	-	-	-								
	7.4	0.0	339	22.5						8.2	8.2	30.7	30.7	87.6	87.6	6.4	6.4	3.0	3.0	<2	<2	-	-	-	-								
	7.4	0.0	331	22.5						8.2	8.2	30.7	30.7	87.6	87.6	6.4	6.4	3.0	3.0	<2	<2	-	-	-	-								
SR5A	Cloudy	Moderate	18:19	3.4						Surface	1.0	0.1	97	22.5	22.5	8.2	8.2	30.6	30.6	89.3	89.3	6.5	6.5	4.6	4.6	2	2	-	-	-	-		
											1.0	0.0	93	22.5	8.2	8.2	30.6	30.6	89.3	89.3	6.5	6.5	4.6	4.6	3	3	-	-	-	-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.4	0.1	87	22.5	8.2	8.2	30.7	30.7	89.6	89.6	6.5	6.5	4.7	4.7	<2	<2	-	-	-	-								
						2.4	0.0	87	22.5	8.2	8.2	30.7	30.7	89.6	89.6	6.5	6.5	4.7	4.7	<2	<2	-	-	-	-								
					SR6	Cloudy	Moderate	18:44	4.1	Surface	1.0	0.0	40	22.5	22.5	8.2	8.2	30.3	30.3	92.8	92.8	6.8	6.8	3.4	3.8	<2	<2	-	-	-	-		
											1.0	0.0	45	22.5	8.2	8.2	30.3	30.3	92.8	92.8	6.8												

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Cloudy	Moderate	08:09	8.4	Surface	1.0	0.3	209	21.7	21.8	8.2	8.2	30.4	30.5	85.0	85.0	6.3	6.2	1.7	1.8	3	3	85	88	88	815635	804249	<0.2	0.8	<0.2	0.8
						1.0	0.3	205	21.8	8.2	8.2	30.6	30.6	84.9	84.3	6.2	6.1	2	2	86	88	<0.2	0.8								
						4.2	0.3	211	22.4	8.2	8.2	31.5	31.8	84.3	84.3	6.1	6.1	3	3	88	87	<0.2	0.9								
					Middle	4.2	0.3	205	22.4	8.2	8.2	32.1	32.1	84.3	84.3	6.1	6.1	3	3	87	87	4	4	88				88	<0.2	0.8	
						7.4	0.3	220	22.4	8.1	8.1	32.6	32.6	84.6	84.7	6.1	6.1	3	3	88	88	3	3	88				88	<0.2	0.8	
						7.4	0.3	220	22.4	8.1	8.1	33.0	32.8	84.7	84.7	6.1	6.1	3	3	91	91	3	3	88				88	<0.2	0.9	
C2	Misty	Moderate	09:50	11.0	Surface	1.0	0.4	173	22.4	22.4	8.1	8.1	29.0	29.0	84.8	84.8	6.3	6.3	2.3	2.3	3	3	52	52	78	825702	806962	<0.2	0.7	<0.2	0.7
						1.0	0.4	169	22.4	8.1	8.1	29.0	29.0	84.8	84.9	6.3	6.3	3	3	52	52	2	2	52				52	<0.2	0.7	
						5.5	0.4	164	22.4	8.1	8.1	29.1	29.1	84.9	84.9	6.3	6.3	2	2	91	91	2	2	91				91	<0.2	0.8	
					Middle	5.5	0.4	163	22.4	8.1	8.1	29.1	29.1	84.9	84.9	6.3	6.3	2	2	91	91	2	2	91				91	<0.2	0.8	
						10.0	0.4	183	22.4	8.1	8.1	29.1	29.1	85.5	85.6	6.3	6.3	3	3	90	90	2	2	90				90	<0.2	0.8	
						10.0	0.3	181	22.4	8.1	8.1	29.1	29.1	85.6	85.6	6.3	6.3	3	3	90	90	2	2	90				90	<0.2	0.7	
C3	Misty	Moderate	07:58	10.2	Surface	1.0	0.2	90	22.5	22.5	8.1	8.1	28.8	28.8	84.9	84.9	6.3	6.3	3.2	3.2	2	2	44	44	72	822087	817785	<0.2	0.8	<0.2	0.8
						1.0	0.2	97	22.5	8.1	8.1	28.8	28.8	84.9	84.9	6.3	6.3	3	3	44	44	2	2	44				44	<0.2	0.8	
						5.1	0.2	80	22.4	8.1	8.1	28.8	28.8	86.6	86.7	6.4	6.4	2	2	86	86	2	2	86				86	<0.2	0.9	
					Middle	5.1	0.3	78	22.4	8.1	8.1	28.8	28.8	86.8	86.7	6.4	6.4	2	2	86	86	2	2	86				86	<0.2	0.8	
						9.2	0.2	99	22.4	8.1	8.1	28.8	28.8	90.4	90.6	6.7	6.7	5	5	86	86	2	2	86				86	<0.2	0.9	
						9.2	0.2	96	22.4	8.1	8.1	28.8	28.8	90.8	90.8	6.7	6.7	5	5	86	86	2	2	86				86	<0.2	0.8	
IM1	Cloudy	Moderate	08:27	6.6	Surface	1.0	0.3	185	21.8	21.9	8.2	8.2	30.9	30.9	86.3	86.3	6.3	6.3	5.2	5.5	2	2	86	86	87	818369	806459	<0.2	0.7	<0.2	0.8
						1.0	0.2	190	21.9	8.2	8.2	30.9	30.9	86.2	86.2	6.3	6.3	2	2	86	86	2	2	86				86	<0.2	0.8	
						3.3	0.2	183	22.3	8.2	8.2	32.2	32.2	86.8	86.9	6.3	6.3	2	2	87	87	2	2	87				87	<0.2	0.9	
					Middle	3.3	0.2	182	22.3	8.2	8.2	32.1	32.2	86.9	86.9	6.3	6.3	2	2	84	84	2	2	84				84	<0.2	0.8	
						5.6	0.3	176	22.3	8.1	8.1	32.2	32.2	88.2	88.3	6.4	6.4	3	3	90	90	2	2	90				90	<0.2	0.8	
						5.6	0.3	176	22.3	8.1	8.1	32.2	32.2	88.3	88.3	6.4	6.4	3	3	89	89	2	2	89				89	<0.2	0.7	
IM2	Cloudy	Moderate	08:36	6.7	Surface	1.0	0.3	185	22.1	22.1	8.2	8.2	31.6	31.6	85.8	85.8	6.2	6.2	2.2	2.2	2	2	86	86	88	818866	806187	<0.2	0.9	<0.2	0.8
						1.0	0.4	188	22.1	8.2	8.2	31.6	31.6	85.8	85.8	6.2	6.2	3	3	88	88	2	2	88				88	<0.2	0.7	
						3.4	0.3	181	22.2	8.2	8.2	31.8	31.7	85.8	85.8	6.2	6.2	3	3	88	88	2	2	88				88	<0.2	0.9	
					Middle	3.4	0.3	179	22.2	8.2	8.2	31.6	31.7	85.8	85.8	6.2	6.2	2	2	88	88	2	2	88				88	<0.2	0.8	
						5.7	0.3	201	22.3	8.2	8.2	32.2	32.2	86.1	86.1	6.2	6.2	4	4	89	89	2	2	89				89	<0.2	0.8	
						5.7	0.2	205	22.3	8.2	8.2	32.2	32.2	86.1	86.1	6.2	6.2	3	3	92	92	3	3	92				92	<0.2	0.7	
IM3	Cloudy	Moderate	08:46	7.8	Surface	1.0	0.3	210	21.8	21.8	8.2	8.2	30.9	30.7	85.8	85.7	6.3	6.3	2.3	2.5	2	2	87	87	88	819417	806017	<0.2	0.8	<0.2	0.7
						1.0	0.3	210	21.8	8.2	8.2	30.5	30.7	85.6	85.6	6.3	6.3	2	2	87	87	2	2	87				87	<0.2	0.7	
						3.9	0.3	185	22.1	8.2	8.2	31.5	31.5	84.9	84.9	6.2	6.2	3	3	88	88	2	2	88				88	<0.2	0.7	
					Middle	3.9	0.3	179	22.1	8.2	8.2	31.5	31.5	84.9	84.9	6.2	6.2	3	3	85	85	2	2	85				85	<0.2	0.7	
						6.8	0.3	182	22.1	8.2	8.2	32.1	32.3	85.3	85.4	6.2	6.2	3	3	91	91	2	2	91				91	<0.2	0.7	
						6.8	0.3	180	22.1	8.2	8.2	32.4	32.4	85.4	85.4	6.2	6.2	3	3	90	90	2	2	90				90	<0.2	0.8	
IM4	Cloudy	Moderate	08:51	7.0	Surface	1.0	0.3	210	21.7	21.7	8.2	8.2	32.0	32.5	88.9	88.9	6.5	6.5	2.3	2.4	2	2	85	85	88	819571	805018	<0.2	0.9	<0.2	0.8
						1.0	0.2	205	21.7	8.2	8.2	33.0	33.0	88.8	88.8	6.5	6.5	3	3	86	86	2	2	86				86	<0.2	0.8	
						3.5	0.3	198	21.8	8.2	8.2	30.9	31.0	88.3	88.3	6.4	6.4	2	2	87	87	2	2	87				87	<0.2	0.8	
					Middle	3.5	0.4	201	21.8	8.2	8.2	31.0	31.0	88.3	88.3	6.5	6.5	2	2	88	88	2	2	88				88	<0.2	0.8	
						6.0	0.3	188	21.8	8.2	8.2	31.9	31.7	88.3	88.3	6.5	6.5	2	2	91	91	2	2	91				91	<0.2	0.8	
						6.0	0.3	188	21.8	8.2	8.2	31.5	31.7	88.3	88.3	6.4	6.5	3	3	92	92	2	2	92				92	<0.2	0.7	
IM5	Cloudy	Moderate	08:57	7.2	Surface	1.0	0.3	180	21.7	21.7	8.2	8.2	30.5	30.5	88.6	88.6	6.5	6.5	1.2	1.3	2	2	86	86	87	820544	804945	<0.2	0.7	<0.2	0.8
						1.0	0.3	187	21.7	8.2	8.2	30.4	30.5	88.6	88.6	6.5	6.5	2	2	88	88	2	2	88				88	<0.2	0.8	
						3.6	0.3	201	21.6	8.2	8.2	31.1	31.1	88.3	88.3	6.6	6.6	2	2	89	89	2	2	89				89	<0.2	0.8	
					Middle	3.6	0.3	194	21.6	8.2	8.2	31.1	31.1	88.3	88.3	6.5	6.5	3	3	88	88	2	2	88				88	<0.2	0.7	
						6.2	0.3	169	21.6	8.2	8.2	31.0	31.0	88.4	88.5	6.5	6.5	2	2	85	85	2	2	85				85	<0.2	0.8	
						6.2	0.3	171	21.6	8.2	8.2	31.0	31.0	88.5	88.5	6.5	6.5	4	4	86	86	2	2	86				86	<0.2	0.7	
IM6	Cloudy	Moderate	09:03	6.8	Surface	1.0	0.2	194	21.8	21.8	8.2	8.2	30.9	31.0	88.0	88.0	6.5	6.4	7.7	7.3	4	3	85	85	88	821049	805804	<0.2	0.8	<0.2	0.8
						1.0	0.3	196	21.8	8.2	8.2	31.0	31.0	87.9	87.9	6.5	6.4	3	3	86	86	2	2	86				86	<0.2	0.8	
						3.4	0.2	182	21.8	8.2	8.2	31.4	31.5	86.0	86.0	6.3	6.3	2	2	87	87	2	2	87				87	<0.2	0.8	
					Middle	3.4	0.2	185	21.8	8.2	8.2	31.5	31.5	85.9	85.9	6.3	6.3	3	3	88	88	2	2	88				88	<0.2	0.8	
						5.8	0.2	172	21.8	8.2	8.2	31.5	31.5																		

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Misty	Moderate	09:08	8.0	Surface	1.0	0.3	149	22.4	22.4	8.1	8.1	29.3	29.3	86.2	86.2	6.4	6.4	2.2	2.1	4	3	43	68	822115	808800	<0.2	0.7	0.8	0.8						
						1.0	0.3	152	22.4	22.4	8.1	8.1	29.3	29.3	86.2	86.2	6.4	6.4	2.1	2.1	3	3	43	68	822115	808800	<0.2	0.7	0.8	0.8						
						4.0	0.3	148	22.4	22.4	8.1	8.1	29.5	29.6	86.1	86.1	6.4	6.4	2.7	2.7	4	3	79	68	822115	808800	<0.2	0.7	0.8	0.8						
					Middle	4.0	0.4	144	22.7	22.6	8.1	8.1	29.6	29.6	86.1	86.1	6.3	6.3	2.7	2.7	3	3	79	68	822115	808800	<0.2	0.7	0.8	0.8						
						7.0	0.3	129	22.4	22.4	8.1	8.1	29.6	29.6	86.2	86.3	6.3	6.4	3.9	3.9	5	5	83	68	822115	808800	<0.2	0.7	0.8	0.8						
						7.0	0.3	129	22.4	22.4	8.1	8.1	29.6	29.6	86.3	86.3	6.3	6.4	4.0	4.0	5	5	83	68	822115	808800	<0.2	0.7	0.8	0.8						
IM10	Misty	Moderate	08:54	7.2	Surface	1.0	0.3	117	22.4	22.4	8.1	8.1	29.1	29.2	84.5	84.5	6.3	6.3	2.2	2.2	3	4	48	74	822263	809839	<0.2	0.7	0.7	0.7						
						1.0	0.3	116	22.4	22.4	8.1	8.1	29.2	29.2	84.5	84.5	6.2	6.2	2.2	2.2	4	4	48	74	822263	809839	<0.2	0.7	0.7	0.7						
						3.6	0.3	118	22.4	22.4	8.1	8.1	29.4	29.4	85.1	85.2	6.3	6.3	2.7	2.7	3	3	86	74	822263	809839	<0.2	0.7	0.7	0.7						
					Middle	3.6	0.3	113	22.4	22.4	8.1	8.1	29.4	29.4	85.2	85.2	6.3	6.3	2.7	2.7	4	4	86	74	822263	809839	<0.2	0.7	0.7	0.7						
						6.2	0.3	135	22.4	22.4	8.0	8.0	29.3	29.3	85.7	85.8	6.3	6.4	2.8	2.8	4	4	87	74	822263	809839	<0.2	0.7	0.7	0.7						
						6.2	0.4	129	22.4	22.4	8.0	8.0	29.3	29.3	85.9	85.8	6.3	6.4	2.9	2.9	5	5	87	74	822263	809839	<0.2	0.7	0.7	0.7						
IM11	Misty	Moderate	08:41	8.0	Surface	1.0	0.3	99	22.5	22.5	8.1	8.1	29.1	29.2	86.0	86.0	6.4	6.4	2.2	2.2	3	4	52	76	821480	810557	<0.2	0.7	0.7	0.7						
						1.0	0.3	100	22.5	22.5	8.1	8.1	29.2	29.2	86.0	86.0	6.3	6.3	2.2	2.2	4	4	52	76	821480	810557	<0.2	0.7	0.7	0.7						
						4.0	0.4	111	22.4	22.4	8.1	8.1	29.5	29.6	86.1	86.2	6.3	6.3	2.6	2.6	4	4	87	76	821480	810557	<0.2	0.7	0.7	0.7						
					Middle	4.0	0.4	113	22.4	22.4	8.1	8.1	29.6	29.6	86.2	86.2	6.4	6.4	2.6	2.6	3	3	87	76	821480	810557	<0.2	0.7	0.7	0.7						
						7.0	0.4	95	22.4	22.4	8.1	8.1	29.7	29.7	86.7	86.8	6.4	6.4	3.1	3.1	4	4	90	76	821480	810557	<0.2	0.7	0.7	0.7						
						7.0	0.4	89	22.4	22.4	8.1	8.1	29.7	29.7	86.8	86.8	6.4	6.4	3.1	3.1	4	4	90	76	821480	810557	<0.2	0.7	0.7	0.7						
IM12	Misty	Moderate	08:34	8.2	Surface	1.0	0.3	101	22.6	22.6	8.1	8.1	29.9	29.9	86.2	86.2	6.4	6.4	2.5	2.5	3	4	45	73	821152	811530	<0.2	0.7	0.7	0.7						
						1.0	0.3	93	22.6	22.6	8.1	8.1	29.9	29.9	86.2	86.2	6.4	6.4	2.5	2.5	4	4	45	73	821152	811530	<0.2	0.7	0.7	0.7						
						4.1	0.4	88	22.4	22.4	8.1	8.1	29.9	29.9	86.1	86.2	6.4	6.4	2.7	2.7	4	4	86	73	821152	811530	<0.2	0.7	0.7	0.7						
					Middle	4.1	0.4	81	22.4	22.4	8.1	8.1	29.9	29.9	86.2	86.2	6.4	6.4	2.7	2.7	3	3	86	73	821152	811530	<0.2	0.7	0.7	0.7						
						7.2	0.4	118	22.4	22.4	8.1	8.1	29.9	29.9	86.8	86.9	6.4	6.4	3.6	3.6	4	4	87	73	821152	811530	<0.2	0.7	0.7	0.7						
						7.2	0.4	119	22.4	22.4	8.1	8.1	29.9	29.9	86.9	86.9	6.4	6.4	3.6	3.6	4	4	87	73	821152	811530	<0.2	0.7	0.7	0.7						
SR1A	Misty	Moderate	08:25	5.6	Surface	1.0	-	-	22.6	22.6	8.1	8.1	29.9	29.9	89.9	90.0	6.6	6.6	1.8	1.8	4	3	-	-	819971	812657	-	-	-	-						
						1.0	-	-	22.6	22.6	8.1	8.1	29.9	29.9	90.0	90.0	6.6	6.6	1.8	1.8	3	3	-	-	819971	812657	-	-	-	-						
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812657	-	-	-	-				
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812657	-	-	-	-				
						4.6	-	-	22.6	22.6	8.0	8.0	29.9	29.9	90.3	90.4	6.7	6.7	3.2	3.2	4	4	-	-	-	-	819971	812657	-	-	-	-				
						4.6	-	-	22.6	22.6	8.0	8.0	29.9	29.9	90.4	90.4	6.7	6.7	3.2	3.2	4	4	-	-	-	-	819971	812657	-	-	-	-				
SR2	Misty	Moderate	08:15	5.0	Surface	1.0	0.3	38	22.5	22.5	8.0	8.1	29.9	29.9	90.6	90.0	6.7	6.6	2.2	2.2	2	3	43	65	821486	814149	<0.2	0.7	0.8	0.8						
						1.0	0.2	32	22.5	22.5	8.1	8.1	29.9	29.9	89.4	89.4	6.6	6.6	2.2	2.2	3	3	43	65	821486	814149	<0.2	0.7	0.8	0.8						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821486	814149	<0.2	0.7	0.8	0.8				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821486	814149	<0.2	0.7	0.8	0.8				
						4.0	0.3	42	22.5	22.5	8.0	8.0	29.9	29.9	90.0	90.1	6.6	6.6	3.2	3.2	3	3	87	65	821486	814149	<0.2	0.7	0.8	0.8						
						4.0	0.3	45	22.5	22.5	8.0	8.0	29.9	29.9	90.1	90.1	6.6	6.6	3.2	3.2	4	4	87	65	821486	814149	<0.2	0.7	0.8	0.8						
SR3	Misty	Moderate	09:36	9.2	Surface	1.0	0.4	179	22.4	22.6	8.1	8.1	29.3	29.3	89.4	89.6	6.6	6.6	2.1	2.1	3	3	-	-	822139	807574	-	-	-	-						
						1.0	0.4	186	22.7	22.7	8.1	8.1	29.3	29.3	89.7	89.7	6.6	6.6	2.1	2.1	2	2	-	-	822139	807574	-	-	-	-						
						4.6	0.4	162	22.7	22.7	8.1	8.1	29.4	29.4	90.2	90.3	6.6	6.6	2.2	2.2	2	2	-	-	822139	807574	-	-	-	-						
					Middle	4.6	0.4	159	22.7	22.7	8.1	8.1	29.4	29.4	90.4	90.4	6.7	6.7	2.2	2.2	3	3	-	-	822139	807574	-	-	-	-						
						8.2	0.4	154	22.7	22.7	8.1	8.1	29.4	29.4	91.0	91.1	6.7	6.7	3.0	3.0	3	3	-	-	822139	807574	-	-	-	-						
						8.2	0.4	148	22.7	22.7	8.1	8.1	29.4	29.4	91.2	91.2	6.7	6.7	2.9	2.9	3	3	-	-	822139	807574	-	-	-	-						
SR4A	Cloudy	Moderate	07:46	8.3	Surface	1.0	0.0	64	21.7	21.7	8.2	8.2	30.5	30.5	84.3	84.1	6.2	6.2	1.7	1.7	2	3	-	-	817182	807828	-	-	-	-						
						1.0	0.0	68	21.7	21.7	8.2	8.2	30.5	30.5	83.9	83.9	6.2	6.2	1.7	1.7	3	3	-	-	817182	807828	-	-	-	-						
						4.2	0.0	72	22.3	22.3	8.2	8.2	31.6	31.6	81.4	81.4	5.9	5.9	2.5	2.5	2	2	-	-	817182	807828	-	-	-	-						
					Middle	4.2	0.0	78	22.3	22.3	8.2	8.2	31.6	31.6	81.4	81.4	5.9	5.9	2.5	2.5	2	2	-	-	817182	807828	-	-	-	-						
						7.3	0.0	50	22.3	22.3	8.2	8.2	31.9	31.9	81.9	82.0	5.9	5.9	3.1	3.1	4	4	-	-	817182	807828	-	-	-	-						
						7.3	0.1	43	22.3	22.3	8.1	8.2	31.9	31.9	82.0	82.0	5.9	5.9	3.1	3.1	3															

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value
C1	Cloudy	Moderate	14:54	8.3	Surface	1.0	0.3	34	22.1	22.1	8.2	8.2	31.6	30.8	88.7	88.7	6.5	6.5	1.6	1.6	2	2	87	88	88	815616	804235	<0.2	0.8	<0.2	0.8
						1.0	0.3	36	22.1	22.1	8.2	8.2	30.0	30.8	88.6	88.6	6.5	6.5	1.6	1.6	3	3	88	89	89			<0.2	0.8	<0.2	0.8
						4.2	0.3	23	22.3	22.3	8.2	8.2	32.1	32.1	88.3	88.4	6.4	6.4	3.0	3.0	3	3	89	89	89			<0.2	0.8	<0.2	0.8
					Middle	4.2	0.3	22	22.3	22.3	8.2	8.2	32.1	32.1	88.4	88.4	6.4	6.4	3.1	3.1	4	4	89	89	89			<0.2	0.8	<0.2	0.8
						7.3	0.3	38	22.4	22.4	8.2	8.2	32.4	32.5	89.3	89.3	6.4	6.4	3.4	3.4	4	4	86	86	86			<0.2	0.7	<0.2	0.7
						7.3	0.3	36	22.4	22.4	8.2	8.2	32.5	32.5	89.8	89.8	6.5	6.5	3.4	3.4	5	5	86	86	86			<0.2	0.7	<0.2	0.7
C2	Misty	Moderate	13:43	11.0	Surface	1.0	0.1	344	22.5	22.5	8.0	8.0	28.9	28.9	87.4	87.6	6.3	6.3	2.8	2.8	3	3	47	47	47	815616	804235	<0.2	0.7	<0.2	0.7
						1.0	0.1	349	22.5	22.5	8.0	8.0	28.9	28.9	87.7	87.7	6.3	6.3	2.8	2.8	4	4	47	47	47			<0.2	0.7	<0.2	0.7
						5.5	0.2	331	22.5	22.5	8.0	8.0	28.9	28.9	88.6	88.8	6.3	6.3	4.0	4.0	3	3	82	82	82			<0.2	0.8	<0.2	0.8
					Middle	5.5	0.2	327	22.5	22.5	8.0	8.0	28.9	28.9	88.9	88.9	6.3	6.3	4.0	4.0	4	4	83	83	83			<0.2	0.8	<0.2	0.8
						10.0	0.2	349	22.5	22.5	8.0	8.0	28.9	28.9	89.9	89.9	6.3	6.3	4.2	4.2	4	4	91	91	91			<0.2	0.8	<0.2	0.8
						10.0	0.2	342	22.5	22.5	8.0	8.0	28.9	28.9	90.4	90.4	6.4	6.4	4.2	4.2	5	5	91	91	91			<0.2	0.7	<0.2	0.7
C3	Misty	Moderate	15:39	11.2	Surface	1.0	0.3	253	22.3	22.4	8.0	8.0	28.0	28.0	85.3	85.4	6.4	6.4	2.6	2.6	2	2	52	52	52	822089	817820	<0.2	0.8	<0.2	0.8
						1.0	0.3	246	22.5	22.5	8.0	8.0	28.0	28.0	86.5	86.5	6.4	6.4	2.6	2.6	3	3	52	52	52			<0.2	0.8	<0.2	0.8
						5.6	0.3	237	22.5	22.5	8.0	8.0	28.0	28.0	86.3	86.5	6.4	6.4	3.7	3.7	3	3	85	85	85			<0.2	0.8	<0.2	0.8
					Middle	5.6	0.4	240	22.5	22.5	8.0	8.0	28.0	28.0	86.7	86.7	6.4	6.4	3.7	3.7	2	2	85	85	85			<0.2	0.8	<0.2	0.8
						10.2	0.3	254	22.5	22.4	8.0	8.0	28.0	28.1	88.5	88.5	6.6	6.6	4.1	4.1	2	2	87	87	87			<0.2	0.8	<0.2	0.8
						10.2	0.4	249	22.3	22.3	8.0	8.0	28.1	28.1	92.5	92.5	6.9	6.9	4.1	4.1	2	2	87	87	87			<0.2	0.8	<0.2	0.8
IM1	Cloudy	Moderate	14:35	6.4	Surface	1.0	0.1	9	22.0	22.0	8.2	8.2	31.2	31.2	87.9	87.9	6.4	6.4	1.8	1.8	<2	<2	85	85	85	818327	806459	<0.2	0.8	<0.2	0.8
						1.0	0.1	7	22.0	22.0	8.2	8.2	31.2	31.2	87.8	87.8	6.4	6.4	1.8	1.8	<2	<2	87	87	87			<0.2	0.8	<0.2	0.8
						3.2	0.1	27	22.1	22.1	8.2	8.2	31.5	31.5	87.3	87.3	6.3	6.3	4.3	4.3	<2	<2	88	88	88			<0.2	0.8	<0.2	0.8
					Middle	3.2	0.1	30	22.1	22.1	8.2	8.2	31.5	31.5	87.3	87.3	6.3	6.3	4.3	4.3	<2	<2	89	89	89			<0.2	0.8	<0.2	0.8
						5.4	0.1	22	22.1	22.1	8.2	8.2	31.7	31.7	87.6	87.6	6.4	6.4	11.9	11.9	2	2	92	92	92			<0.2	0.8	<0.2	0.8
						5.4	0.1	20	22.1	22.1	8.2	8.2	31.7	31.7	87.7	87.7	6.4	6.4	11.2	11.2	2	2	92	92	92			<0.2	0.8	<0.2	0.8
IM2	Cloudy	Moderate	14:29	6.6	Surface	1.0	0.1	332	21.8	21.8	8.2	8.2	30.8	30.8	88.2	88.2	6.5	6.5	1.7	1.7	4	4	86	86	86	818873	806194	<0.2	0.9	<0.2	0.8
						1.0	0.1	329	21.8	21.8	8.2	8.2	30.8	30.8	88.2	88.2	6.5	6.5	1.8	1.8	3	3	88	88	88			<0.2	0.8	<0.2	0.8
						3.3	0.1	340	21.8	21.8	8.2	8.2	30.9	30.9	88.2	88.2	6.5	6.5	2.1	2.1	3	3	89	89	89			<0.2	0.8	<0.2	0.8
					Middle	3.3	0.1	342	21.8	21.8	8.2	8.2	30.9	30.9	88.2	88.2	6.5	6.5	2.1	2.1	4	4	88	88	88			<0.2	0.8	<0.2	0.8
						5.6	0.2	333	21.8	21.8	8.2	8.2	30.9	30.9	88.4	88.4	6.5	6.5	2.1	2.1	2	2	86	86	86			<0.2	0.8	<0.2	0.8
						5.6	0.2	327	21.8	21.8	8.2	8.2	30.9	30.9	88.5	88.5	6.5	6.5	2.2	2.2	3	3	86	86	86			<0.2	0.9	<0.2	0.9
IM3	Cloudy	Moderate	14:26	6.7	Surface	1.0	0.1	346	21.8	21.8	8.2	8.2	30.8	30.8	88.2	88.3	6.5	6.5	1.7	1.7	2	2	85	85	85	819404	806015	<0.2	0.8	<0.2	0.8
						1.0	0.1	347	21.8	21.8	8.2	8.2	30.8	30.8	88.3	88.3	6.5	6.5	1.8	1.8	3	3	87	87	87			<0.2	0.8	<0.2	0.8
						3.4	0.1	329	21.8	21.8	8.2	8.2	30.8	30.8	88.3	88.3	6.5	6.5	1.9	1.9	3	3	88	88	88			<0.2	0.8	<0.2	0.8
					Middle	3.4	0.1	323	21.8	21.8	8.2	8.2	30.8	30.8	88.3	88.3	6.5	6.5	1.9	1.9	2	2	89	89	89			<0.2	0.8	<0.2	0.8
						5.7	0.1	4	21.7	21.7	8.2	8.2	30.9	30.9	89.0	89.0	6.5	6.5	2.0	2.0	2	2	92	92	92			<0.2	0.8	<0.2	0.8
						5.7	0.2	5	21.7	21.7	8.2	8.2	30.9	30.9	89.1	89.1	6.6	6.6	2.0	2.0	2	2	92	92	92			<0.2	0.8	<0.2	0.8
IM4	Cloudy	Moderate	14:19	7.0	Surface	1.0	0.1	336	21.8	21.8	8.2	8.2	30.7	30.7	88.9	88.9	6.5	6.5	1.3	1.3	2	2	87	87	87	819575	805049	<0.2	0.9	<0.2	0.8
						1.0	0.2	335	21.8	21.8	8.2	8.2	30.7	30.7	88.9	88.9	6.5	6.5	1.3	1.3	3	3	88	88	88			<0.2	0.8	<0.2	0.8
						3.5	0.1	318	21.7	21.7	8.2	8.2	30.9	30.9	88.6	88.6	6.5	6.5	2.8	2.8	3	3	88	88	88			<0.2	0.8	<0.2	0.8
					Middle	3.5	0.2	319	21.7	21.7	8.2	8.2	30.9	30.9	88.6	88.6	6.5	6.5	3.0	3.0	2	2	86	86	86			<0.2	0.8	<0.2	0.8
						6.0	0.1	325	21.7	21.7	8.2	8.2	31.0	31.0	89.0	89.1	6.5	6.5	3.7	3.7	2	2	91	91	91			<0.2	0.8	<0.2	0.8
						6.0	0.0	331	21.7	21.7	8.2	8.2	31.0	31.0	89.2	89.2	6.6	6.6	3.6	3.6	3	3	91	91	91			<0.2	0.8	<0.2	0.8
IM5	Cloudy	Moderate	14:05	7.3	Surface	1.0	0.1	327	21.8	21.8	8.2	8.2	30.6	30.6	88.2	88.2	6.5	6.5	1.6	1.6	2	2	86	86	86	820546	804930	<0.2	0.8	<0.2	0.8
						1.0	0.2	322	21.7	21.7	8.2	8.2	30.6	30.6	88.2	88.2	6.5	6.5	1.7	1.7	3	3	87	87	87			<0.2	0.8	<0.2	0.8
						3.7	0.1	344	21.7	21.7	8.2	8.2	30.8	30.8	87.8	87.9	6.5	6.5	2.4	2.4	2	2	89	89	89			<0.2	0.7	<0.2	0.7
					Middle	3.7	0.2	349	21.7	21.7	8.2	8.2	30.8	30.8	87.9	87.9	6.5	6.5	2.5	2.5	2	2	88	88	88			<0.2	0.8	<0.2	0.8</

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Misty	Moderate	14:08	7.2	Surface	1.0	0.2	288	22.4	22.4	8.1	8.1	28.9	28.9	83.1	83.2	6.3	6.4	2.2	2.2	4	3	56	76	822106	808821	<0.2	0.9	<0.2	0.8						
						1.0	0.2	263	22.4	8.1	8.1	28.9	28.9	83.2	83.2	6.3	6.4	2.2	2.2	3	3	56	76	822106	808821	<0.2	0.8	<0.2	0.8							
					Middle	3.6	0.2	259	22.4	22.4	8.1	8.1	29.1	29.1	87.3	87.5	6.4	6.4	3.9	3.9	5	5	82	76	822106	808821	<0.2	0.9	<0.2	0.8						
						3.6	0.3	264	22.4	22.4	8.1	8.1	29.1	29.1	87.6	87.6	6.4	6.4	3.8	3.8	6	6	82	76	822106	808821	<0.2	0.9	<0.2	0.8						
					Bottom	6.2	0.2	288	22.4	22.4	8.1	8.1	29.2	29.2	89.2	89.6	6.6	6.6	4.2	4.2	6	6	90	76	822106	808821	<0.2	0.9	<0.2	0.8						
						6.2	0.1	281	22.4	22.4	8.1	8.1	29.2	29.2	90.0	90.0	6.6	6.6	4.2	4.2	5	5	90	76	822106	808821	<0.2	0.8	<0.2	0.8						
IM10	Misty	Moderate	14:17	7.6	Surface	1.0	0.2	266	22.5	22.5	8.1	8.1	29.1	29.1	83.5	83.6	6.4	6.4	2.1	2.1	6	5	51	77	822232	809861	<0.2	0.8	<0.2	0.7						
						1.0	0.2	273	22.5	22.5	8.1	8.1	29.1	29.1	83.7	83.7	6.4	6.4	2.1	2.1	5	5	52	77	822232	809861	<0.2	0.8	<0.2	0.7						
					Middle	3.8	0.3	269	22.5	22.5	8.1	8.1	29.1	29.1	86.3	86.7	6.4	6.4	2.5	2.5	5	5	89	77	822232	809861	<0.2	0.8	<0.2	0.8						
						3.8	0.3	270	22.5	22.5	8.1	8.1	29.1	29.1	87.0	87.0	6.4	6.4	2.5	2.5	4	4	89	77	822232	809861	<0.2	0.8	<0.2	0.8						
					Bottom	6.6	0.3	288	22.5	22.5	8.1	8.1	29.1	29.1	89.1	89.5	6.4	6.4	3.2	3.2	4	4	90	77	822232	809861	<0.2	0.8	<0.2	0.8						
						6.6	0.3	283	22.5	22.5	8.1	8.1	29.1	29.1	89.9	89.9	6.4	6.4	3.2	3.2	5	5	90	77	822232	809861	<0.2	0.8	<0.2	0.8						
IM11	Misty	Moderate	14:32	8.0	Surface	1.0	0.4	276	22.5	22.5	8.1	8.1	29.2	29.2	87.0	87.1	6.4	6.4	2.2	2.2	3	4	62	75	821521	810537	<0.2	0.8	<0.2	0.8						
						1.0	0.4	282	22.5	22.5	8.1	8.1	29.2	29.2	87.2	87.2	6.3	6.3	2.2	2.2	4	4	62	75	821521	810537	<0.2	0.8	<0.2	0.8						
					Middle	4.0	0.3	280	22.4	22.4	8.1	8.1	29.2	29.2	87.8	87.9	6.3	6.3	3.7	3.7	4	4	78	75	821521	810537	<0.2	0.7	<0.2	0.7						
						4.0	0.3	275	22.4	22.4	8.1	8.1	29.2	29.2	88.0	88.0	6.4	6.4	3.7	3.7	5	5	78	75	821521	810537	<0.2	0.8	<0.2	0.8						
					Bottom	7.0	0.4	290	22.4	22.4	8.1	8.1	29.2	29.2	93.8	94.1	6.4	6.4	4.4	4.4	6	6	84	75	821521	810537	<0.2	0.8	<0.2	0.8						
						7.0	0.3	283	22.4	22.4	8.1	8.1	29.2	29.2	94.4	94.4	6.4	6.4	4.4	4.4	6	6	85	75	821521	810537	<0.2	0.9	<0.2	0.9						
IM12	Misty	Moderate	14:38	8.0	Surface	1.0	0.4	275	22.5	22.5	8.1	8.1	29.2	29.2	87.0	87.1	6.3	6.3	2.1	2.1	4	5	48	71	821168	811517	<0.2	0.8	<0.2	0.8						
						1.0	0.4	271	22.5	22.5	8.1	8.1	29.2	29.2	87.2	87.2	6.2	6.2	2.1	2.1	5	5	48	71	821168	811517	<0.2	0.8	<0.2	0.8						
					Middle	4.0	0.4	286	22.4	22.4	8.1	8.1	29.2	29.2	87.9	87.9	6.3	6.3	2.2	2.2	4	4	79	71	821168	811517	<0.2	0.8	<0.2	0.8						
						4.0	0.4	292	22.4	22.4	8.1	8.1	29.2	29.2	87.9	87.9	6.3	6.3	2.2	2.2	5	5	79	71	821168	811517	<0.2	0.8	<0.2	0.8						
					Bottom	7.0	0.3	291	22.4	22.4	8.1	8.1	29.1	29.1	93.9	94.1	6.3	6.3	3.2	3.2	5	5	87	71	821168	811517	<0.2	0.8	<0.2	0.8						
						7.0	0.3	292	22.4	22.4	8.1	8.1	29.1	29.1	94.2	94.2	6.4	6.4	3.2	3.2	6	6	87	71	821168	811517	<0.2	0.8	<0.2	0.8						
SR1A	Misty	Moderate	15:08	4.2	Surface	1.0	-	-	22.3	22.3	8.0	8.1	29.1	29.1	82.8	84.8	6.1	6.1	2.2	2.2	5	5	-	-	819980	812659	-	-	-	-						
						1.0	-	-	22.3	22.3	8.1	8.1	29.1	29.1	86.7	86.7	6.4	6.4	2.2	2.2	6	6	-	5	-	-	819980	812659	-	-	-	-				
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.2	-	-	22.3	22.3	8.1	8.1	29.1	29.1	88.2	88.6	6.5	6.5	3.7	3.7	4	4	-	5	-	-	819980	812659	-	-	-	-				
						3.2	-	-	22.3	22.3	8.1	8.1	29.1	29.1	88.9	88.9	6.6	6.6	3.7	3.7	5	5	-	5	-	-	819980	812659	-	-	-	-				
SR2	Misty	Moderate	15:19	5.0	Surface	1.0	0.2	206	22.5	22.5	8.1	8.1	29.1	29.1	87.4	87.6	6.5	6.5	3.2	3.2	5	4	72	87	821456	814161	<0.2	0.8	<0.2	0.8						
						1.0	0.3	207	22.5	22.5	8.1	8.1	29.1	29.1	87.7	87.7	6.5	6.5	3.2	3.2	4	4	72	87	821456	814161	<0.2	0.8	<0.2	0.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.0	0.2	244	22.5	22.5	8.1	8.1	29.1	29.1	90.5	91.0	6.7	6.8	4.2	4.2	3	3	102	4	102	87	821456	814161	<0.2	0.8	<0.2	0.9				
						4.0	0.2	251	22.5	22.5	8.1	8.1	29.1	29.1	91.5	91.5	6.8	6.8	4.2	4.2	4	4	102	4	102	87	821456	814161	<0.2	0.8	<0.2	0.9				
SR3	Misty	Moderate	13:46	9.2	Surface	1.0	0.1	310	22.6	22.6	8.0	8.0	28.9	28.9	86.8	86.9	6.6	6.6	2.2	2.2	3	3	-	-	822134	807589	-	-	-	-						
						1.0	0.2	314	22.6	22.6	8.0	8.0	28.9	28.9	86.9	86.9	6.6	6.6	2.2	2.2	2	2	-	3	-	-	822134	807589	-	-	-	-				
					Middle	4.6	0.1	284	22.6	22.6	8.0	8.0	28.9	28.9	88.0	88.3	6.6	6.6	3.2	3.2	3	3	-	3	-	-	822134	807589	-	-	-	-				
						4.6	0.0	277	22.6	22.6	8.0	8.0	28.9	28.9	88.6	88.6	6.7	6.7	3.2	3.2	2	2	-	3	-	-	822134	807589	-	-	-	-				
					Bottom	8.2	0.1	320	22.5	22.5	8.0	8.0	28.9	28.9	90.9	91.1	6.7	6.7	4.2	4.2	3	3	-	3	-	-	822134	807589	-	-	-	-				
						8.2	0.1	323	22.5	22.5	8.0	8.0	28.9	28.9	91.2	91.2	6.7	6.7	4.2	4.2	4	4	-	3	-	-	822134	807589	-	-	-	-				
SR4A	Cloudy	Moderate	15:21	8.2	Surface	1.0	0.0	201	22.0	22.0	8.2	8.2	30.4	30.4	86.6	86.6	6.4	6.4	2.3	2.3	5	4	-	-	817176	807825	-	-	-	-						
						1.0	0.0	199	22.0	22.0	8.2	8.2	30.4	30.4	86.5	86.5	6.3	6.3	2.3	2.3	4	4	-	4	-	-	817176	807825	-	-	-	-				
					Middle	4.1	0.0	226	22.3	22.3	8.2	8.2	31.6	31.6	82.2	82.2	6.0	6.0	2.7	2.7	3	3	-	3	-	-	817176	807825	-	-	-	-				
						4.1	0.0	227	22.3	22.3	8.2	8.2	31.6	31.6	82.2	82.2	6.0	6.0	2.7	2.7	4	4	-	3	-	-	817176	807825	-	-	-	-				
					Bottom	7.2	0.1	225	22.3	22.3	8.2	8.2	31.8	31.8	83.3	83.4	6.0	6.0	2.6	2.6	4	4	-	3	-	-	817176									

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Cloudy	Moderate	11:01	8.5	Surface	1.0	0.3	207	22.8	22.8	8.3	8.3	30.2	30.2	97.3	97.2	7.0	7.0	7.0	7.0	3	3	80	80	82	815623	804270	<0.2	<0.2	1.0	0.9
						1.0	0.4	202	22.8	8.3	8.3	30.2	30.2	97.1	97.1	6.9	6.9	6.9	6.9	2	2	80	80	<0.2				<0.2	0.8	0.8	
						4.3	0.3	219	22.8	8.3	8.3	30.3	30.3	95.2	95.2	6.9	6.9	10.6	10.6	3	3	82	82	<0.2				<0.2	0.8	0.8	
					4.3	0.3	213	22.8	8.3	8.3	30.3	30.3	95.1	95.1	6.9	6.9	10.7	10.7	2	2	82	82	<0.2	<0.2				0.8	0.8		
					7.5	0.3	229	22.8	8.3	8.3	30.3	30.3	94.7	94.7	6.9	6.9	8.2	8.2	3	3	83	83	<0.2	<0.2				0.8	0.8		
					7.5	0.3	224	22.8	8.3	8.3	30.3	30.3	94.7	94.7	6.9	6.9	8.1	8.1	4	4	86	86	<0.2	<0.2				0.8	0.8		
C2	Fine	Moderate	11:53	11.0	Surface	1.0	0.3	161	22.6	22.6	8.1	8.1	28.7	28.7	84.1	84.1	6.2	6.2	2.2	2.2	2	2	53	53	78	825679	806949	<0.2	<0.2	0.9	0.9
						1.0	0.4	164	22.6	8.1	8.1	28.7	28.7	84.1	84.1	6.2	6.2	2.2	2.2	3	3	53	53	<0.2				<0.2	0.8	0.8	
						5.5	0.3	169	22.6	8.1	8.1	28.8	28.8	84.2	84.2	6.2	6.2	2.5	2.5	3	3	91	91	<0.2				<0.2	0.9	0.9	
					5.5	0.3	164	22.6	8.1	8.1	28.8	28.8	84.2	84.2	6.2	6.2	2.5	2.5	4	4	91	91	<0.2	<0.2				0.9	0.9		
					10.0	0.3	148	22.6	8.1	8.1	28.8	28.8	84.8	84.9	6.3	6.3	3.2	3.2	5	5	90	90	<0.2	<0.2				0.8	0.8		
					10.0	0.3	142	22.6	8.1	8.1	28.8	28.8	84.9	84.9	6.3	6.3	3.2	3.2	5	5	90	90	<0.2	<0.2				0.8	0.8		
C3	Fine	Moderate	10:01	10.4	Surface	1.0	0.3	75	22.7	22.7	8.1	8.1	28.4	28.4	84.2	84.2	6.2	6.2	3.1	3.1	3	3	44	44	72	822091	817785	<0.2	<0.2	0.8	0.8
						1.0	0.2	81	22.7	8.1	8.1	28.4	28.4	84.2	84.2	6.2	6.2	3.1	3.1	3	3	44	44	<0.2				<0.2	0.8	0.8	
						5.2	0.2	86	22.6	8.1	8.1	28.5	28.5	85.9	86.0	6.4	6.4	4.0	4.0	3	3	86	86	<0.2				<0.2	0.8	0.8	
					5.2	0.3	79	22.6	8.1	8.1	28.5	28.5	86.1	86.1	6.4	6.4	4.0	4.0	4	4	86	86	<0.2	<0.2				0.9	0.9		
					9.4	0.3	102	22.6	8.1	8.1	28.4	28.4	89.7	89.9	6.6	6.6	5.2	5.2	3	3	87	87	<0.2	<0.2				0.8	0.8		
					9.4	0.2	102	22.6	8.1	8.1	28.4	28.4	90.1	90.1	6.6	6.6	5.6	5.6	4	4	87	87	<0.2	<0.2				0.9	0.9		
IM1	Cloudy	Moderate	11:24	6.4	Surface	1.0	0.3	179	22.9	22.9	8.2	8.2	30.0	30.0	91.8	91.8	6.6	6.6	2.1	2.1	3	3	80	80	82	818328	806476	<0.2	<0.2	0.8	0.8
						1.0	0.3	174	22.9	8.2	8.2	30.0	30.0	91.8	91.8	6.6	6.6	2.2	2.2	3	3	81	81	<0.2				<0.2	0.7	0.7	
						3.2	0.2	205	22.7	8.2	8.2	30.0	30.0	90.6	90.6	6.6	6.6	6.6	6.6	3	3	81	81	<0.2				<0.2	0.8	0.8	
					3.2	0.2	211	22.7	8.2	8.2	30.0	30.0	90.6	90.6	6.6	6.6	8.3	8.3	3	3	79	79	<0.2	<0.2				0.8	0.8		
					5.4	0.2	191	22.7	8.2	8.2	30.0	30.0	90.4	90.4	6.6	6.6	5.4	5.4	4	4	85	85	<0.2	<0.2				0.7	0.7		
					5.4	0.2	190	22.7	8.2	8.2	30.0	30.0	90.4	90.4	6.6	6.6	5.0	5.0	4	4	84	84	<0.2	<0.2				0.7	0.7		
IM2	Cloudy	Moderate	11:27	6.7	Surface	1.0	0.3	196	22.9	22.9	8.2	8.2	29.9	29.9	92.3	92.3	6.7	6.7	7.9	7.9	3	3	80	80	83	818861	806207	<0.2	<0.2	0.7	0.8
						1.0	0.3	200	22.9	8.2	8.2	29.9	29.9	92.2	92.2	6.7	6.7	7.9	7.9	3	3	81	81	<0.2				<0.2	0.8	0.8	
						3.4	0.3	201	22.8	8.2	8.2	29.9	29.9	91.1	91.1	6.6	6.6	2.0	2.0	2	2	83	83	<0.2				<0.2	0.8	0.8	
					3.4	0.3	206	22.8	8.2	8.2	29.9	29.9	91.0	91.0	6.6	6.6	2.0	2.0	3	3	82	82	<0.2	<0.2				0.8	0.8		
					5.7	0.4	223	22.7	8.2	8.2	29.9	29.9	90.5	90.5	6.6	6.6	9.8	9.8	2	2	83	83	<0.2	<0.2				0.8	0.8		
					5.7	0.3	217	22.7	8.2	8.2	29.9	29.9	90.5	90.5	6.6	6.6	9.1	9.1	3	3	86	86	<0.2	<0.2				0.8	0.8		
IM3	Cloudy	Moderate	11:31	6.3	Surface	1.0	0.2	219	22.7	22.7	8.2	8.2	29.8	29.8	92.8	92.9	6.7	6.7	2.4	2.4	2	2	81	81	83	819415	806020	<0.2	<0.2	0.8	0.8
						1.0	0.2	217	22.7	8.2	8.2	29.8	29.8	92.9	92.9	6.8	6.8	2.4	2.4	2	2	82	82	<0.2				<0.2	0.8	0.8	
						3.2	0.2	224	22.7	8.3	8.3	29.9	29.9	93.3	93.3	6.8	6.8	3.0	3.0	3	3	82	82	<0.2				<0.2	0.8	0.8	
					3.2	0.3	222	22.7	8.3	8.3	29.9	29.9	93.2	93.2	6.8	6.8	3.0	3.0	2	2	80	80	<0.2	<0.2				0.7	0.7		
					5.3	0.2	223	22.6	8.2	8.2	29.9	29.9	91.9	91.9	6.7	6.7	5.8	5.8	2	2	86	86	<0.2	<0.2				0.8	0.8		
					5.3	0.2	217	22.6	8.2	8.2	29.9	29.9	91.9	91.9	6.7	6.7	6.4	6.4	3	3	85	85	<0.2	<0.2				0.7	0.7		
IM4	Cloudy	Moderate	11:36	7.3	Surface	1.0	0.2	197	22.7	22.7	8.2	8.2	29.6	29.6	91.8	91.8	6.7	6.7	2.2	2.2	3	3	79	79	83	819595	805033	<0.2	<0.2	0.8	0.8
						1.0	0.2	194	22.7	8.2	8.2	29.6	29.6	91.8	91.8	6.7	6.7	2.2	2.2	2	2	81	81	<0.2				<0.2	0.8	0.8	
						3.7	0.3	207	22.6	8.2	8.2	29.9	29.9	91.8	91.8	6.7	6.7	3.3	3.3	3	3	82	82	<0.2				<0.2	0.7	0.7	
					3.7	0.2	213	22.6	8.2	8.2	29.9	29.9	91.7	91.7	6.7	6.7	3.4	3.4	4	4	83	83	<0.2	<0.2				0.8	0.8		
					6.3	0.2	225	22.6	8.2	8.2	29.9	29.9	91.6	91.7	6.7	6.7	4.6	4.6	4	4	86	86	<0.2	<0.2				0.8	0.8		
					6.3	0.2	218	22.6	8.2	8.2	29.9	29.9	91.7	91.7	6.7	6.7	4.7	4.7	4	4	87	87	<0.2	<0.2				0.8	0.8		
IM5	Cloudy	Moderate	11:47	8.0	Surface	1.0	0.2	184	22.8	22.8	8.2	8.2	28.7	28.7	89.3	89.3	6.5	6.5	1.7	1.7	3	3	81	81	82	820569	804907	<0.2	<0.2	0.7	0.7
						1.0	0.2	181	22.8	8.2	8.2	28.7	28.7	89.3	89.3	6.5	6.5	1.7	1.7	4	4	82	82	<0.2				<0.2	0.7	0.7	
						4.0	0.2	186	22.7	8.2	8.2	29.4	29.4	89.9	89.9	6.5	6.5	2.2	2.2	3	3	83	83	<0.2				<0.2	0.7	0.7	
					4.0	0.2	193	22.7	8.2	8.2	29.4	29.4	89.9	89.9	6.5	6.5	2.2	2.2	4	4	83	83	<0.2	<0.2				0.8	0.8		
					7.0	0.2	214	22.7	8.2	8.2	29.4	29.4	89.9	89.9	6.5	6.5	2.6	2.6	3	3	80	80	<0.2	<0.2				0.7	0.7		
					7.0	0.2	217	22.7	8.2	8.2	29.4	29.4	89.9	89.9	6.5	6.5	2.6	2.6	2	2	80	80	<0.2	<0.2				0.8	0.8		
IM6	Cloudy	Moderate	11:54	6.8	Surface	1.0	0.2	213	22.9	22.9	8.2	8.2	28.7	28.8	89.0	89.0	6.5	6.5	1.9	2.0	2	2	79	81	83	821043	805812	<0.2	<0.2	0.8	0.8
						1.0	0.2	215	22.9	8.2	8.2	28.8	28.8	89.0	89.0	6.5	6.5	2.0	2.0	3	3	81	81	<0.2				<0.2	0.7	0.7	
						3.4	0.1	226	22.8	8.2	8.2	29.5	29.5	88.4	88.4	6.4	6.4	2.5	2.5	4	4	82	82	<0.2							

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM9	Fine	Moderate	11:11	8.0	Surface	1.0	0.3	151	22.6	22.6	8.1	8.1	29.0	29.0	85.5	85.5	6.3	2.1	2.1	4	4	44	44	69	822100	808803	<0.2	0.8	<0.2	0.8			
						1.0	0.3	156	22.6	8.1	8.1	29.0	29.0	85.5	85.5	6.3	2.0	2.0	3	3	44	44	44	44	69	822100	808803	<0.2	0.8	<0.2	0.8		
						4.0	0.3	133	22.6	8.1	8.1	29.2	29.2	85.4	85.4	6.3	2.7	2.7	3	3	79	79	79	79	69	822100	808803	<0.2	0.9	<0.2	0.8		
					Middle	4.0	0.3	137	22.9	8.1	8.1	29.2	29.2	85.4	85.4	6.3	2.6	2.6	4	4	79	79	79	79	69	822100	808803	<0.2	0.8	<0.2	0.8		
						7.0	0.3	129	22.6	8.1	8.1	29.3	29.3	85.5	85.5	6.3	3.8	3.8	4	4	83	83	83	83	69	822100	808803	<0.2	0.8	<0.2	0.8		
						7.0	0.3	126	22.6	8.1	8.1	29.3	29.3	85.6	85.6	6.3	3.9	3.9	4	4	83	83	83	83	69	822100	808803	<0.2	0.8	<0.2	0.8		
IM10	Fine	Moderate	10:57	7.2	Surface	1.0	0.3	112	22.6	22.6	8.1	8.1	28.8	28.9	83.8	83.8	6.2	2.1	2.1	4	4	48	48	74	822237	809844	<0.2	0.8	<0.2	0.8			
						1.0	0.3	112	22.6	8.1	8.1	28.9	28.9	83.8	83.8	6.2	2.1	2.1	2	2	48	48	48	48	74	822237	809844	<0.2	0.8	<0.2	0.8		
						3.6	0.3	129	22.6	8.1	8.1	29.0	29.0	84.4	84.5	6.2	2.6	2.6	4	4	86	86	86	86	74	822237	809844	<0.2	0.8	<0.2	0.8		
					Middle	3.6	0.3	128	22.6	8.1	8.1	29.0	29.0	84.5	84.5	6.2	2.7	2.7	3	3	87	87	87	87	74	822237	809844	<0.2	0.8	<0.2	0.8		
						6.2	0.3	118	22.6	8.1	8.1	29.0	29.0	85.0	85.1	6.3	2.7	2.7	3	3	87	87	87	87	74	822237	809844	<0.2	0.9	<0.2	0.8		
						6.2	0.3	122	22.6	8.1	8.1	28.9	28.9	85.2	85.2	6.3	2.8	2.8	3	3	87	87	87	87	74	822237	809844	<0.2	0.8	<0.2	0.8		
IM11	Fine	Moderate	10:44	8.2	Surface	1.0	0.3	88	22.7	22.7	8.1	8.1	28.8	28.9	85.3	85.3	6.3	2.2	2.2	4	4	52	52	77	821522	810562	<0.2	0.8	<0.2	0.9			
						1.0	0.3	93	22.7	8.1	8.1	28.9	28.9	85.3	85.3	6.3	2.2	2.2	3	3	53	53	53	53	77	821522	810562	<0.2	0.9	<0.2	0.9		
						4.1	0.3	89	22.6	8.1	8.1	29.2	29.2	85.4	85.5	6.3	2.5	2.5	3	3	87	87	87	87	77	821522	810562	<0.2	0.9	<0.2	0.9		
					Middle	4.1	0.3	85	22.6	8.1	8.1	29.2	29.2	85.5	85.5	6.3	2.5	2.5	2	2	87	87	87	87	77	821522	810562	<0.2	0.8	<0.2	0.8		
						7.2	0.3	119	22.6	8.1	8.1	29.4	29.4	86.0	86.1	6.3	3.0	3.0	2	2	90	90	90	90	77	821522	810562	<0.2	0.8	<0.2	0.8		
						7.2	0.3	117	22.6	8.1	8.1	29.3	29.4	86.1	86.1	6.3	3.0	3.0	3	3	90	90	90	90	77	821522	810562	<0.2	0.7	<0.2	0.7		
IM12	Fine	Moderate	10:37	8.0	Surface	1.0	0.4	95	22.8	22.8	8.1	8.1	29.6	29.6	85.5	85.5	6.3	2.4	2.4	2	2	45	45	73	821149	811523	<0.2	0.8	<0.2	0.8			
						1.0	0.4	92	22.8	8.1	8.1	29.6	29.6	85.5	85.5	6.3	2.5	2.5	3	3	46	46	46	46	73	821149	811523	<0.2	0.8	<0.2	0.8		
						4.0	0.4	102	22.6	8.1	8.1	29.6	29.6	85.4	85.5	6.3	2.7	2.7	3	3	86	86	86	86	73	821149	811523	<0.2	0.8	<0.2	0.8		
					Middle	4.0	0.4	99	22.6	8.1	8.1	29.6	29.6	85.5	85.5	6.3	2.6	2.6	2	2	86	86	86	86	73	821149	811523	<0.2	0.7	<0.2	0.7		
						7.0	0.4	106	22.6	8.1	8.1	29.5	29.5	86.1	86.2	6.3	3.5	3.5	4	4	87	87	87	87	73	821149	811523	<0.2	0.8	<0.2	0.8		
						7.0	0.4	102	22.6	8.1	8.1	29.5	29.5	86.2	86.2	6.3	3.5	3.5	3	3	87	87	87	87	73	821149	811523	<0.2	0.7	<0.2	0.7		
SR1A	Fine	Moderate	10:28	5.0	Surface	1.0	-	-	22.8	22.8	8.1	8.1	29.6	29.6	89.2	89.3	6.5	1.7	1.7	2	2	-	-	-	-	819977	812659	-	-	-	-		
						1.0	-	-	22.8	8.1	8.1	29.6	29.6	89.3	89.3	6.5	1.7	1.7	4	4	-	-	-	-	-	-	819977	812659	-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.0	-	-	22.8	22.8	8.1	8.1	29.5	29.5	89.6	89.7	6.6	3.1	3.1	3	3	-	-	-	-	-	-	-	-	-	-	-	-
						4.0	-	-	22.8	8.1	8.1	29.5	29.5	89.7	89.7	6.6	3.1	3.1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
SR2	Fine	Moderate	10:18	5.2	Surface	1.0	0.2	47	22.7	22.7	8.0	8.1	29.6	29.6	89.9	89.3	6.6	2.1	2.1	3	3	43	43	65	821486	814152	<0.2	0.7	<0.2	0.8			
						1.0	0.3	48	22.7	8.1	8.1	29.6	29.6	88.7	88.7	6.5	2.1	2.1	2	2	43	43	43	43	65	821486	814152	<0.2	0.8	<0.2	0.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.2	64	22.7	22.7	8.1	8.1	29.6	29.6	89.3	89.4	6.5	3.1	3.1	5	5	87	87	87	87	65	821486	814152	<0.2	0.9	<0.2	0.8	
						4.2	0.2	65	22.7	8.1	8.1	29.6	29.6	89.4	89.4	6.6	3.1	3.1	4	4	87	87	87	87	65	821486	814152	<0.2	0.8	<0.2	0.8		
SR3	Fine	Moderate	11:40	9.0	Surface	1.0	0.3	155	22.6	22.8	8.1	8.1	29.0	29.0	88.7	88.9	6.5	2.0	2.0	4	4	-	-	-	-	822136	807567	-	-	-	-		
						1.0	0.3	154	22.9	8.1	8.1	29.0	29.0	89.0	89.0	6.5	2.0	2.0	3	3	-	-	-	-	-	-	822136	807567	-	-	-	-	
						4.5	0.3	162	22.9	8.1	8.1	29.1	29.1	89.5	89.6	6.6	2.1	2.1	3	3	-	-	-	-	-	-	822136	807567	-	-	-	-	
					Middle	4.5	0.3	156	22.9	8.1	8.1	29.1	29.1	89.7	89.7	6.6	2.1	2.1	3	3	-	-	-	-	-	-	822136	807567	-	-	-	-	
						8.0	0.3	154	22.9	8.1	8.1	29.1	29.1	90.3	90.4	6.6	2.9	2.9	2	2	-	-	-	-	-	-	822136	807567	-	-	-	-	
						8.0	0.3	149	22.9	8.1	8.1	29.1	29.1	90.5	90.5	6.6	2.9	2.9	3	3	-	-	-	-	-	-	822136	807567	-	-	-	-	
SR4A	Cloudy	Moderate	10:33	8.7	Surface	1.0	0.0	41	22.9	22.9	8.3	8.3	30.1	30.1	92.6	92.6	6.7	1.5	1.5	2	2	-	-	-	-	817189	807833	-	-	-	-		
						1.0	0.0	37	22.9	8.3	8.3	30.1	30.1	92.6	92.6	6.7	1.5	1.5	3	3	-	-	-	-	-	-	817189	807833	-	-	-	-	
						4.4	0.0	61	22.9	8.3	8.3	30.1	30.1	92.5	92.5	6.7	1.5	1.5	2	2	-	-	-	-	-	-	817189	807833	-	-	-	-	
					Middle	4.4	0.0	64	22.9	8.3	8.3	30.1	30.1	92.5	92.5	6.7	1.5	1.5	3	3	-	-	-	-	-	-	817189	807833	-	-	-	-	
						7.7	0.0	30	22.9	8.3	8.3	30.1	30.1	92.7	92.7	6.7	1.7	1.7	3	3	-	-	-	-	-	-	817189	807833	-	-	-	-	
						7.7	0.1	24	22.9	8.3	8.3	30.1	30.1	92.7	92.7</																		

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Water Quality Monitoring Results on 09 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:05	8.2	Surface	1.0	0.3	27	23.4	23.4	8.2	8.2	29.7	29.7	93.6	93.6	6.7	6.7	2.0	2.0	3	3	86	86			<0.2	0.8		
						1.0	0.3	27	23.4	8.2	8.2	29.7	29.7	93.6	93.6	6.7	6.7	2.0	2.0	3	3	87	87			<0.2	0.8			
						4.1	0.2	23	22.8	22.8	8.2	8.2	30.1	30.1	91.1	91.1	6.6	6.6	3.2	3.2	3	3	88	88			<0.2	0.8		
					Middle	4.1	0.2	24	22.8	22.8	8.2	8.2	30.1	30.1	91.0	91.0	6.6	6.6	3.7	3.7	3	3	87	87			<0.2	0.8		
						7.2	0.2	17	22.9	22.9	8.2	8.2	29.9	29.9	90.3	90.3	6.5	6.5	2.2	2.2	2	2	85	85			<0.2	0.9		
						7.2	0.2	21	22.9	22.9	8.2	8.2	29.9	29.9	90.3	90.3	6.5	6.5	2.1	2.1	3	3	85	85			<0.2	0.9		
C2	Fine	Moderate	14:33	11.2	Surface	1.0	0.0	257	22.7	22.7	8.1	8.1	28.6	28.6	86.6	86.6	6.4	6.4	2.7	2.7	3	3	47	47			<0.2	0.9		
						1.0	0.1	257	22.7	22.7	8.0	8.0	28.6	28.6	86.9	86.9	6.4	6.4	2.7	2.7	4	4	47	47			<0.2	0.9		
						5.6	0.1	267	22.7	22.7	8.0	8.0	28.6	28.6	87.8	88.0	6.5	6.5	3.9	3.9	3	3	83	83			<0.2	0.9		
					Middle	5.6	0.1	273	22.7	22.7	8.0	8.0	28.6	28.6	88.1	88.1	6.5	6.5	3.9	3.9	3	3	83	83			<0.2	0.9		
						10.2	0.1	253	22.7	22.7	8.0	8.0	28.6	28.6	89.1	89.1	6.6	6.6	4.2	4.2	3	3	92	92			<0.2	0.9		
						10.2	0.1	246	22.7	22.7	8.0	8.0	28.6	28.6	89.6	89.6	6.6	6.6	4.1	4.1	3	3	92	92			<0.2	0.9		
C3	Fine	Moderate	16:30	11.0	Surface	1.0	0.4	253	22.5	22.6	8.1	8.1	27.7	27.7	84.5	84.6	6.3	6.3	2.5	2.5	3	3	52	52			<0.2	0.9		
						1.0	0.5	255	22.7	22.7	8.1	8.1	27.7	27.7	84.7	84.7	6.3	6.3	2.5	2.5	2	2	52	52			<0.2	0.9		
						5.5	0.5	271	22.7	22.7	8.1	8.1	27.7	27.7	85.5	85.7	6.3	6.3	3.6	3.6	2	2	85	85			<0.2	0.9		
					Middle	5.5	0.5	276	22.7	22.7	8.1	8.1	27.7	27.7	85.9	86.4	6.4	6.4	3.6	3.6	2	2	85	85			<0.2	0.9		
						10.0	0.4	255	22.7	22.7	8.1	8.1	27.7	27.7	87.7	88.7	6.5	6.5	4.0	4.0	2	2	87	87			<0.2	0.8		
						10.0	0.5	254	22.5	22.6	8.1	8.1	27.7	27.7	87.7	89.7	6.8	6.7	4.1	4.1	2	2	87	87			<0.2	0.9		
IM1	Cloudy	Moderate	15:26	6.5	Surface	1.0	0.1	7	22.8	22.8	8.2	8.2	29.8	29.8	93.2	93.2	6.8	6.8	2.4	2.4	2	2	85	85			<0.2	0.9		
						1.0	0.1	3	22.8	22.8	8.2	8.2	29.8	29.8	93.2	93.2	6.8	6.8	2.5	2.5	3	3	86	86			<0.2	0.9		
						3.3	0.1	3	22.7	22.7	8.2	8.2	29.9	29.9	92.0	91.9	6.7	6.7	4.0	4.0	2	2	87	87			<0.2	0.9		
					Middle	3.3	0.1	6	22.7	22.7	8.2	8.2	29.9	29.9	91.8	91.9	6.7	6.7	4.1	4.1	3	3	88	88			<0.2	0.8		
						5.5	0.1	3	22.8	22.8	8.2	8.2	29.9	29.9	91.2	91.2	6.6	6.6	5.6	5.6	4	4	91	91			<0.2	0.9		
						5.5	0.1	3	22.8	22.8	8.2	8.2	29.9	29.9	91.2	91.2	6.6	6.6	6.2	6.2	3	3	92	92			<0.2	0.9		
IM2	Cloudy	Moderate	15:23	6.8	Surface	1.0	0.0	297	22.8	22.8	8.2	8.2	29.6	29.6	92.7	92.7	6.7	6.7	1.9	1.9	3	3	86	86			<0.2	0.9		
						1.0	0.0	295	22.8	22.8	8.2	8.2	29.6	29.6	92.7	92.7	6.7	6.7	2.0	2.0	3	3	87	87			<0.2	1.0		
						3.4	0.0	285	22.7	22.7	8.2	8.2	29.8	29.8	92.1	92.1	6.7	6.7	7.3	7.3	2	2	88	88			<0.2	1.1		
					Middle	3.4	0.1	279	22.7	22.7	8.2	8.2	29.8	29.8	92.1	92.1	6.7	6.7	7.6	7.6	2	2	88	88			<0.2	0.9		
						5.8	0.1	305	22.7	22.7	8.2	8.2	29.8	29.8	91.9	91.9	6.7	6.7	11.4	11.4	3	3	85	85			<0.2	1.0		
						5.8	0.2	299	22.7	22.7	8.2	8.2	29.8	29.8	91.9	91.9	6.7	6.7	11.2	11.2	2	2	85	85			<0.2	1.0		
IM3	Cloudy	Moderate	15:20	6.5	Surface	1.0	0.1	310	22.7	22.7	8.2	8.2	29.5	29.5	91.5	91.6	6.7	6.7	2.1	2.1	3	3	84	84			<0.2	1.0		
						1.0	0.1	317	22.7	22.7	8.2	8.2	29.5	29.5	91.6	91.6	6.7	6.7	2.4	2.4	2	2	86	86			<0.2	1.0		
						3.3	0.1	310	22.7	22.7	8.2	8.2	29.7	29.7	92.0	92.0	6.7	6.7	6.1	6.1	2	2	87	87			<0.2	0.9		
					Middle	3.3	0.1	311	22.7	22.7	8.2	8.2	29.7	29.7	92.0	92.0	6.7	6.7	6.9	6.9	2	2	88	88			<0.2	1.0		
						5.5	0.1	338	22.8	22.8	8.2	8.2	29.7	29.7	91.6	91.6	6.7	6.7	10.4	10.4	2	2	91	91			<0.2	0.8		
						5.5	0.1	332	22.8	22.8	8.2	8.2	29.7	29.7	91.5	91.5	6.6	6.6	10.0	10.0	2	2	91	91			<0.2	0.9		
IM4	Cloudy	Moderate	15:14	7.8	Surface	1.0	0.1	328	22.7	22.7	8.2	8.2	29.4	29.4	90.9	90.9	6.6	6.6	3.3	3.3	3	3	86	86			<0.2	0.9		
						1.0	0.0	331	22.7	22.7	8.2	8.2	29.4	29.4	90.9	90.9	6.6	6.6	3.4	3.4	4	4	87	87			<0.2	0.9		
						3.9	0.1	335	22.7	22.7	8.2	8.2	29.4	29.4	90.8	90.8	6.6	6.6	3.8	3.8	2	2	87	87			<0.2	0.9		
					Middle	3.9	0.1	338	22.7	22.7	8.2	8.2	29.4	29.4	90.8	90.8	6.6	6.6	4.0	4.0	3	3	85	85			<0.2	1.0		
						6.8	0.1	339	22.8	22.8	8.2	8.2	29.4	29.4	90.9	90.9	6.6	6.6	4.3	4.3	2	2	91	91			<0.2	0.9		
						6.8	0.2	335	22.8	22.8	8.2	8.2	29.4	29.4	90.9	90.9	6.6	6.6	4.3	4.3	3	3	90	90			<0.2	0.9		
IM5	Cloudy	Moderate	15:05	6.7	Surface	1.0	0.2	338	22.9	22.9	8.2	8.2	28.4	28.4	90.1	90.2	6.6	6.6	1.9	1.9	2	2	86	86			<0.2	1.0		
						1.0	0.2	340	22.9	22.9	8.2	8.2	28.4	28.4	90.2	90.2	6.6	6.6	1.9	1.9	2	2	86	86			<0.2	1.0		
						3.4	0.2	307	22.8	22.8	8.2	8.2	29.4	29.4	90.1	90.1	6.6	6.6	2.0	2.0	2	2	88	88			<0.2	0.9		
					Middle	3.4	0.2	301	22.8	22.8	8.2	8.2	29.4	29.4	90.1	90.1	6.6	6.6	2.1	2.1	2	2	88	88			<0.2	0.9		
						5.7	0.1	332	22.9	22.9	8.2	8.2	29.0	29.0	90.0	90.0	6.5	6.5	2.1	2.1	2	2	89	89			<0.2	1.0		
						5.7	0.1	334	22.9	22.9	8.2	8.2	29.0	29.0	90.0	90.0	6.6	6.6	2.1	2.1	2	2	92	92			<0.2	0.9		
IM6	Cloudy	Moderate	14:57	7.4	Surface	1.0	0.1	299	22.9	22.9	8.2	8.2	28.7	28.8	90.6	90.6	6.6	6.6	1.9	1.9	2	2	86	86			<0.2	0.9		
						1.0	0.1	293	22.9	22.9	8.2	8.2	28.8	28.8	90.6	90.6	6.6	6.6	1.9	1.9	2	2	86	86			<0.2	0.9		
						3.7	0.1	312	22.9	22.9	8.2	8.2	29																	

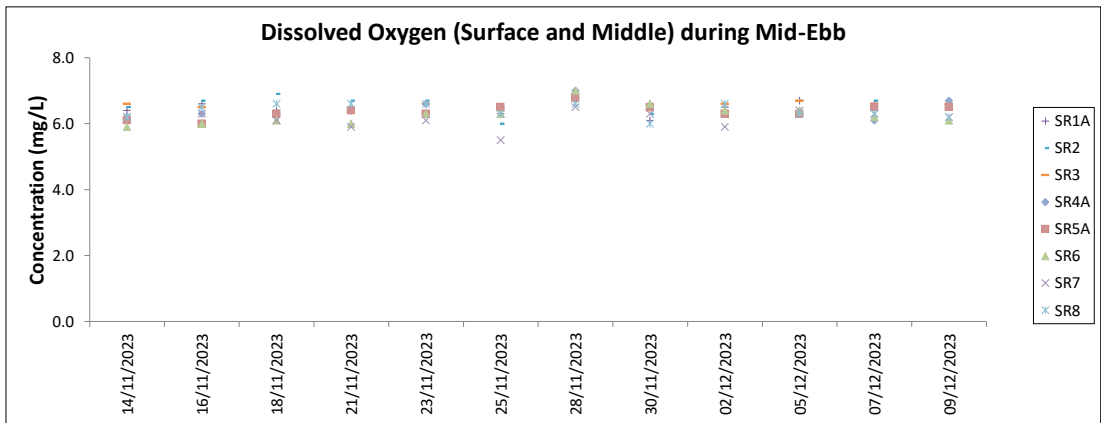
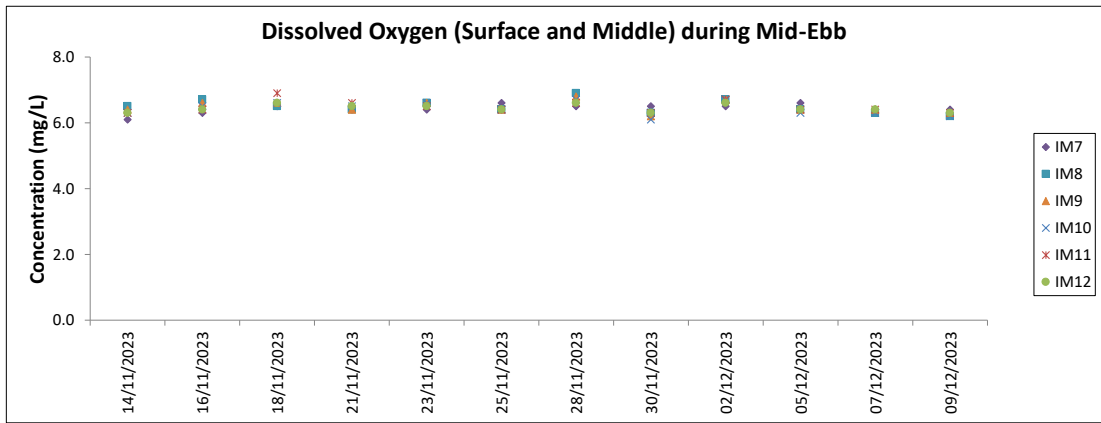
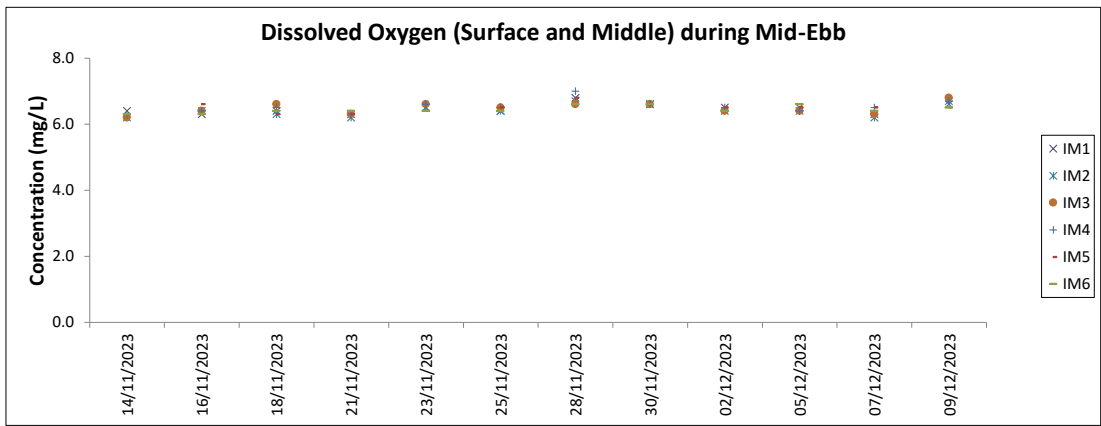
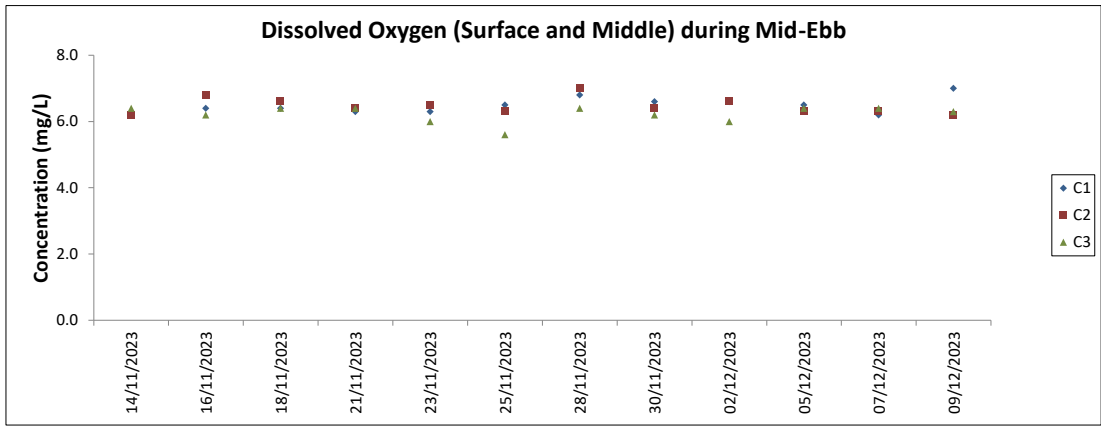
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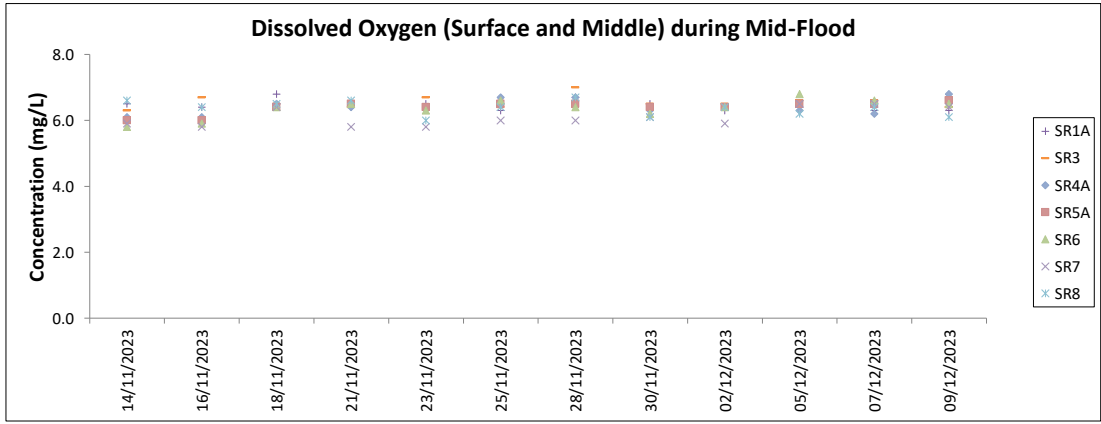
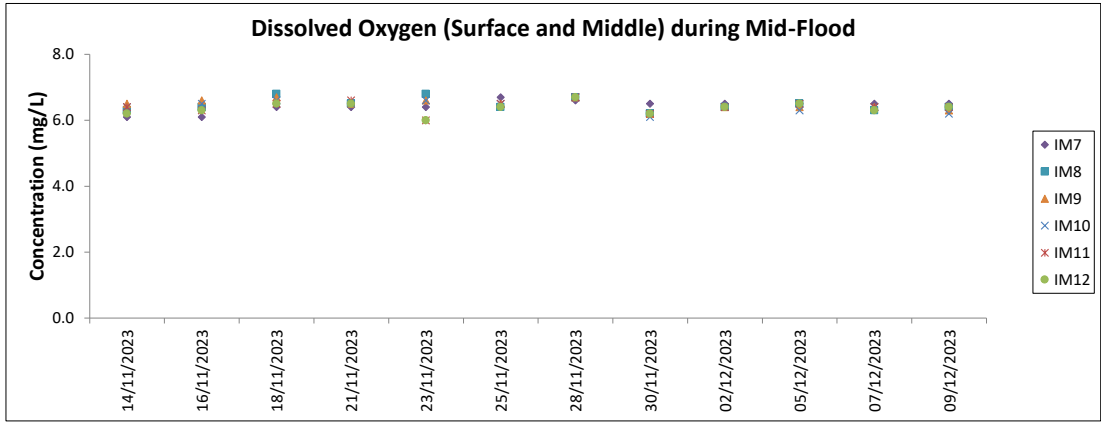
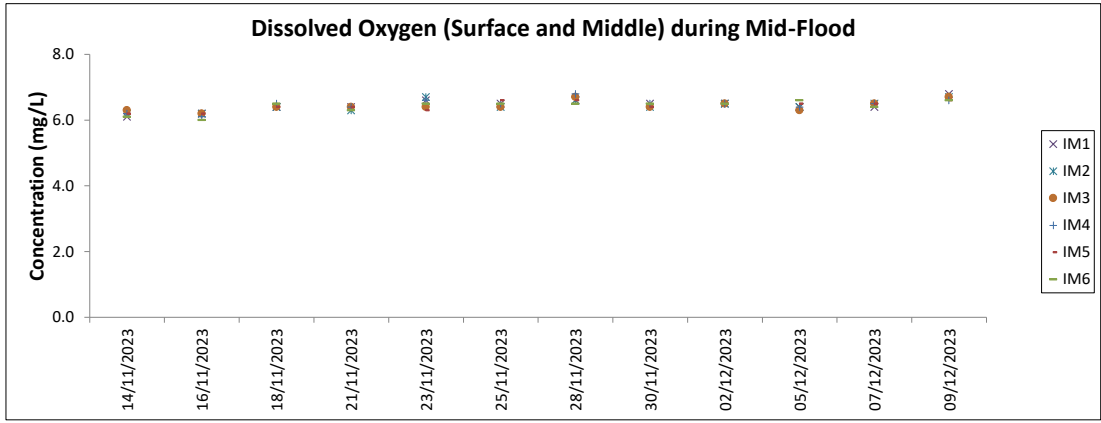
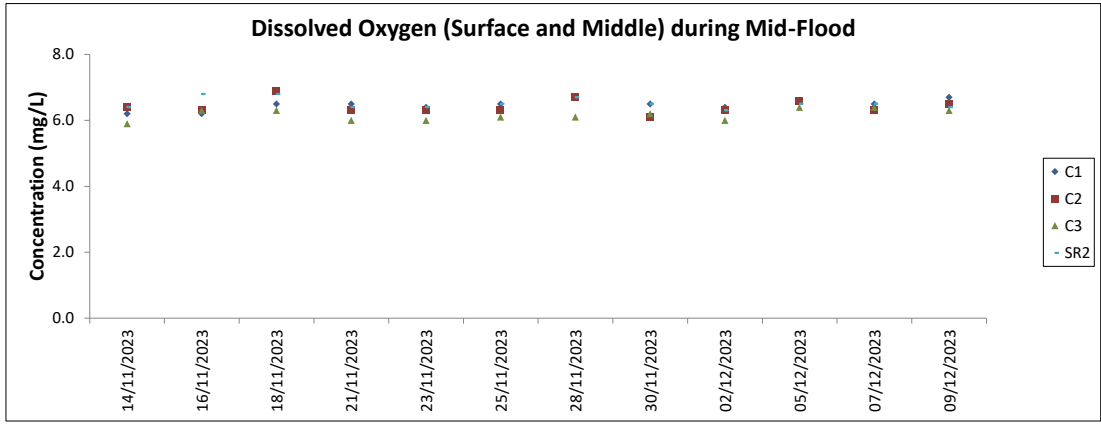
Water Quality Monitoring Results on 09 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	14:58	7.0	Surface	1.0	0.1	264	22.6	22.6	8.1	8.1	28.6	28.6	82.3	82.4	6.1	2.1	3	56	76	822106	808810	<0.2	0.8	0.9						
						1.0	0.1	260	22.6	8.1	8.1	28.6	28.6	82.4	6.1	2.2	4	56	<0.2	0.9												
						3.5	0.2	248	22.6	8.1	8.1	28.8	28.8	86.5	6.4	3.8	2	83	<0.2	0.9												
					Middle	3.5	0.2	250	22.6	8.1	8.1	28.8	28.8	86.8	6.4	3.7	2	83	<0.2	0.8												
						6.0	0.1	274	22.6	8.1	8.1	28.8	28.8	88.4	6.5	4.2	2	90	<0.2	1.0												
						6.0	0.2	269	22.6	8.1	8.1	28.8	28.8	89.2	6.6	4.1	2	90	<0.2	0.9												
					Bottom	1.0	0.3	259	22.7	22.7	8.1	8.1	28.8	28.8	82.7	82.8	6.1	2.0	2	52	<0.2	0.9										
						1.0	0.3	260	22.7	22.7	8.1	8.1	28.8	28.8	82.9	6.1	2.0	2	52	<0.2	0.8											
						4.0	0.3	264	22.7	22.7	8.1	8.1	28.8	28.8	85.5	6.3	2.4	2	89	<0.2	0.8											
Middle	4.0	0.2	270	22.7	22.7	8.1	8.1	28.8	28.8	86.2	85.9	6.4	2.4	2	89	<0.2	0.9															
	7.0	0.2	276	22.7	22.7	8.1	8.1	28.8	28.8	88.3	6.5	3.1	<2	90	<0.2	1.0																
	7.0	0.1	270	22.7	22.7	8.1	8.1	28.8	28.8	89.1	6.6	3.1	<2	90	<0.2	0.9																
Bottom	1.0	0.3	271	22.7	22.7	8.1	8.1	28.9	28.9	86.2	86.3	6.4	2.1	2	63	<0.2	0.8															
	1.0	0.3	268	22.7	22.7	8.1	8.1	28.9	28.9	86.4	6.4	2.1	2	63	<0.2	0.9																
	4.1	0.3	265	22.6	22.6	8.1	8.1	28.9	28.9	87.0	6.4	3.7	2	78	<0.2	0.9																
Middle	4.1	0.2	258	22.6	22.6	8.1	8.1	28.9	28.9	87.2	6.4	3.6	2	78	<0.2	0.9																
	7.2	0.2	256	22.6	22.6	8.1	8.1	28.9	28.9	93.0	6.9	4.3	<2	85	<0.2	1.0																
	7.2	0.3	257	22.6	22.6	8.1	8.1	28.9	28.9	93.6	6.9	4.3	<2	85	<0.2	1.0																
Bottom	1.0	0.3	296	22.7	22.7	8.1	8.1	28.9	28.9	86.2	86.3	6.4	2.0	<2	48	<0.2	0.8															
	1.0	0.3	300	22.7	22.7	8.1	8.1	28.9	28.9	86.4	6.4	2.0	<2	48	<0.2	0.9																
	4.0	0.3	270	22.6	22.6	8.1	8.1	28.9	28.9	87.1	6.4	2.1	<2	79	<0.2	0.9																
Middle	4.0	0.3	263	22.6	22.6	8.1	8.1	28.9	28.9	87.1	6.4	2.1	<2	79	<0.2	0.9																
	7.0	0.3	276	22.6	22.6	8.1	8.1	28.8	28.8	93.1	6.9	3.1	<2	87	<0.2	0.8																
	7.0	0.3	280	22.6	22.6	8.1	8.1	28.8	28.8	93.4	6.9	3.1	<2	87	<0.2	0.9																
Bottom	1.0	-	-	22.5	22.5	8.1	8.1	28.8	28.8	82.0	84.0	6.1	2.1	2	-	-	-															
	1.0	-	-	22.5	22.5	8.1	8.1	28.8	28.8	85.9	6.4	2.1	3	-	-	-																
	2.0	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-																
Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	3.0	-	-	22.5	22.5	8.1	8.1	28.8	28.8	87.4	6.5	3.7	2	-	-	-																
	3.0	-	-	22.5	22.5	8.1	8.1	28.8	28.8	88.1	6.5	3.6	2	-	-	-																
Bottom	1.0	0.1	227	22.7	22.7	8.1	8.1	28.8	28.8	86.6	86.8	6.4	3.1	2	72	<0.2	0.9															
	1.0	0.1	233	22.7	22.7	8.1	8.1	28.8	28.8	86.9	6.4	3.1	2	72	<0.2	0.8																
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	4.2	0.1	251	22.7	22.7	8.1	8.1	28.8	28.8	89.7	90.2	6.6	4.1	2	102	<0.2	0.9															
	4.2	0.1	254	22.7	22.7	8.1	8.1	28.8	28.8	90.7	6.7	4.1	3	102	<0.2	0.8																
Bottom	1.0	0.1	231	22.8	22.8	8.1	8.1	28.6	28.6	86.0	86.1	6.3	2.1	2	-	-																
	1.0	0.1	225	22.8	22.8	8.1	8.1	28.6	28.6	86.1	6.3	2.1	3	-	-																	
	4.7	0.1	222	22.8	22.8	8.1	8.1	28.6	28.6	87.2	6.4	3.1	3	-	-																	
Middle	4.7	0.1	215	22.8	22.8	8.1	8.1	28.6	28.6	87.8	6.5	3.1	2	-	-																	
	8.4	0.1	224	22.7	22.7	8.1	8.1	28.6	28.6	90.1	6.7	4.1	<2	-	-																	
	8.4	0.1	220	22.7	22.7	8.1	8.1	28.6	28.6	90.4	6.7	4.1	<2	-	-																	
Bottom	1.0	0.1	171	23.2	23.2	8.2	8.2	29.9	29.9	94.6	94.6	6.8	6.1	<2	-	-																
	1.0	0.0	169	23.2	23.2	8.2	8.2	29.9	29.9	94.5	6.8	6.2	<2	-	-																	
	4.2	0.0	186	23.0	23.0	8.3	8.3	30.0	30.0	92.6	6.7	1.5	<2	-	-																	
Middle	4.2	0.1	185	23.0	23.0	8.3	8.3	30.0	30.0	92.5	6.7	1.6	<2	-	-																	
	7.4	0.1	165	22.9	23.0	8.3	8.3	30.0	30.0	91.9	6.6	8.8	<2	-	-																	
	7.4	0.1	170	23.0	23.0	8.3	8.3	30.0	30.0	91.9	6.6	8.6	<2	-	-																	
Bottom	1.0	0.1	305	23.3	23.3	8.2	8.2	29.6	29.7	92.2	92.1	6.6	4.0	3	-	-																
	1.0	0.1	297	23.3	23.3	8.2	8.2	29.7	29.7	92.0	6.6	4.0	2	-	-																	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
	2.7	0.1	318	23.2	23.3	8.2	8.2	29.7	29.7	91.1	91.2	6.6	10.1	<2	-	-																
	2.7	0.1	316	23.3	23.3	8.2	8.2	29.7	29.7	91.2	6.6	10.3	<2	-	-																	
Bottom	1.0	0.1	246	23.1	23.1	8.2	8.2	29.1	29.1	89.1	89.1	6.5	3.6	<2	-	-																
	1.0	0.1	239	23.1	23.1	8.2	8.2	29.1	29.1	89.1	6.5	3.6	<2	-	-																	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
	3.0	0.1	230	23.2	23.2	8.2	8.2	29.0	29.0	89.7	89.8	6.5	11.4	<2	-	-																
	3.0	0.1	230	23.2	23.2	8.2	8.2	29.0	29.0	89.8	6.5	12.2	<2	-	-																	
Bottom	1.0	0.9	250	22.7	22.7	8.1	8.1	27.7	27.7	85.5	85.7	6.3	1.5	2	-	-																
	1.0	0.9	246	22.7	22.7	8.1	8.1	27.7	27.7	85.8	6.4	1.5	2	-	-																	
	7.1	1.0	236	22.7	22.7	8.1	8.1	27.7	27.7	86.4	6.4	1.9	3	-	-																	
Middle	7.1	1.0	237	22.7	22.7	8.1	8.1	27.7	27.7	86.7	6.4	1.9	2	-	-																	
	13.2	0.9	257	22.7	22.7	8.1	8.1	27.7	27.7	88.6	6.6	3.0	2	-	-																	
	13.2	0.9	250	22.7	22.7	8.1	8.1	27.7	27.7	91.8	6.8	3.0	2	-	-																	
Bottom	1.0	-	-	22.7	22.7	8.1	8.1	28.8	28.8	82.9	82.9	6.1	4.6	2	-	-																
	1.0	-	-	22.7	22.7	8.1	8.1	28.8	28.8	82.9	6.1	4.6	2	-	-																	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
	3.8	-	-	22.6	22.6	8.1	8.1	28.8	28.8	89.0	89.5	6.6	5.5	4	-	-																
	3.8	-	-	22.6	22.6	8.1	8.1	28.8	28.8	89.9	6.6	5.5	4	-	-																	
Bottom	3.8	-	-	22.6	22.6	8.1	8.1	28.8	28.8	89.9	6.6	5.5	4	-	-																	
	3.8	-	-	22.6	22.6	8.1	8.1	28.8	28.8	89.9	6.6	5.5	4	-	-																	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	

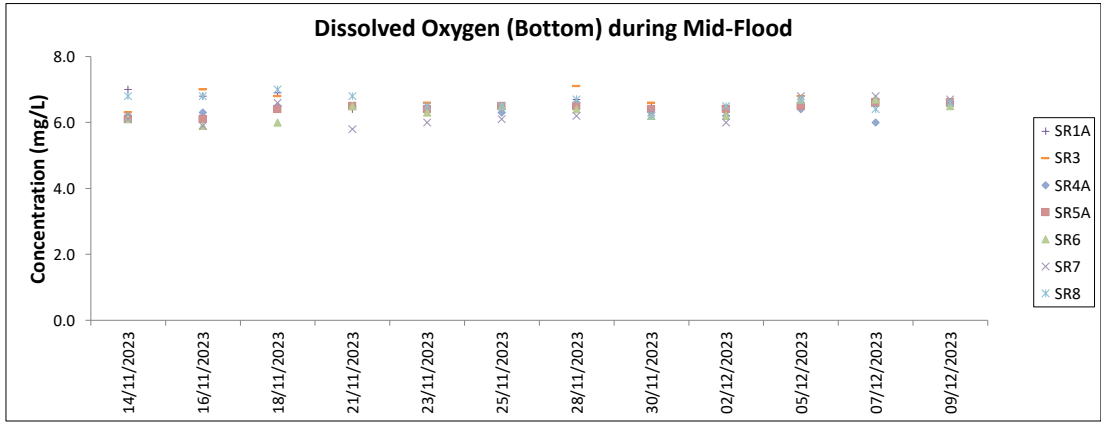
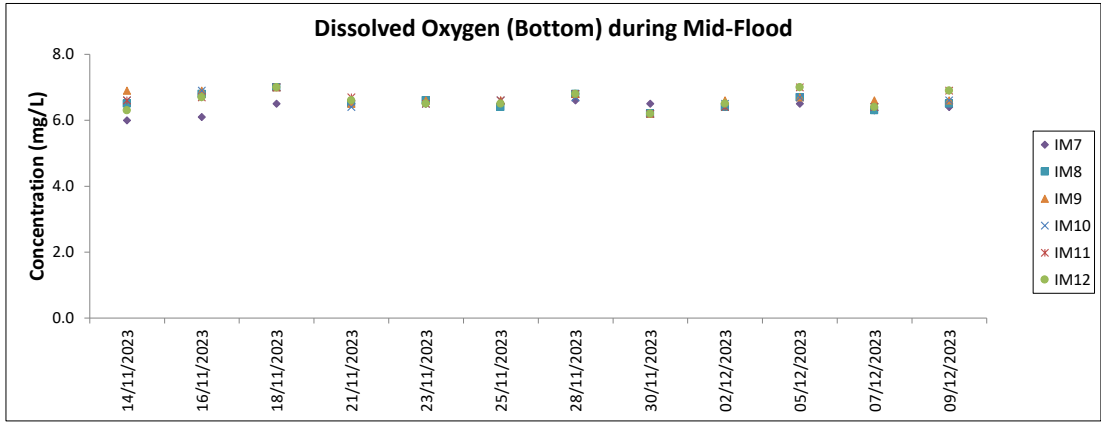
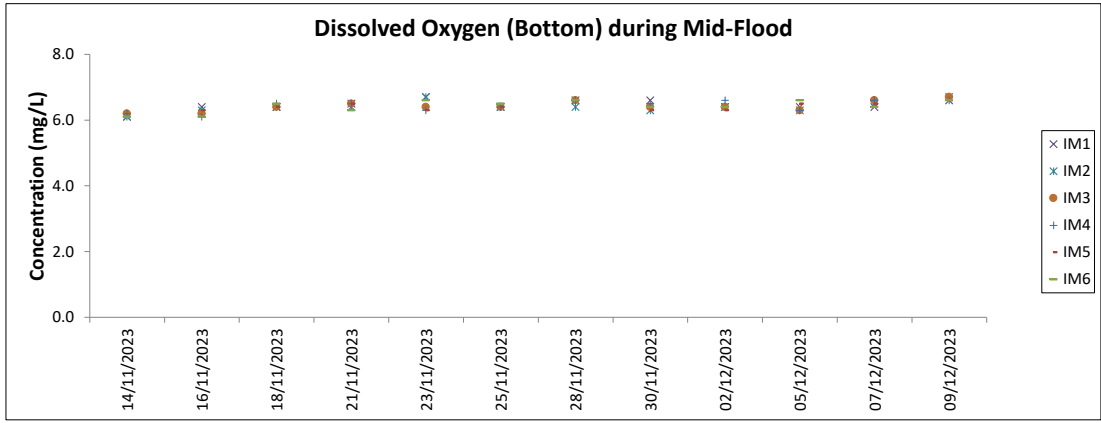
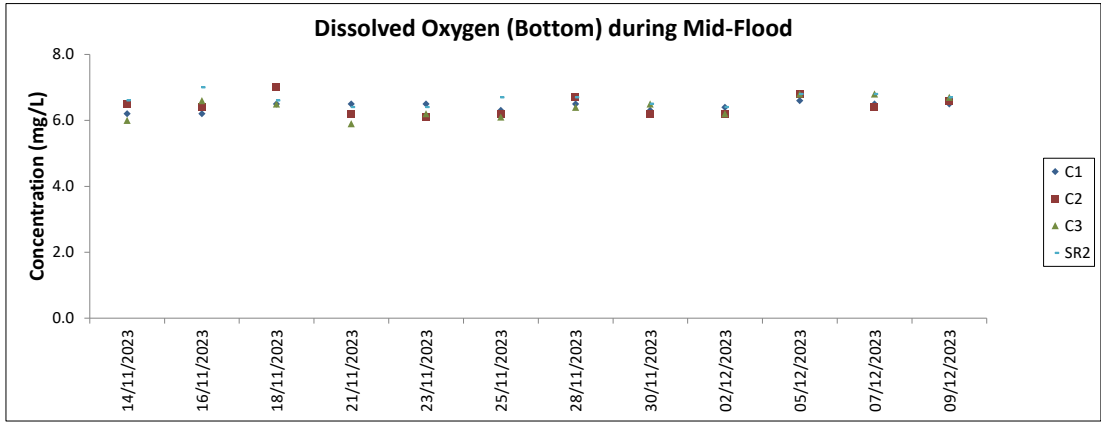
DA: Depth-Averaged

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

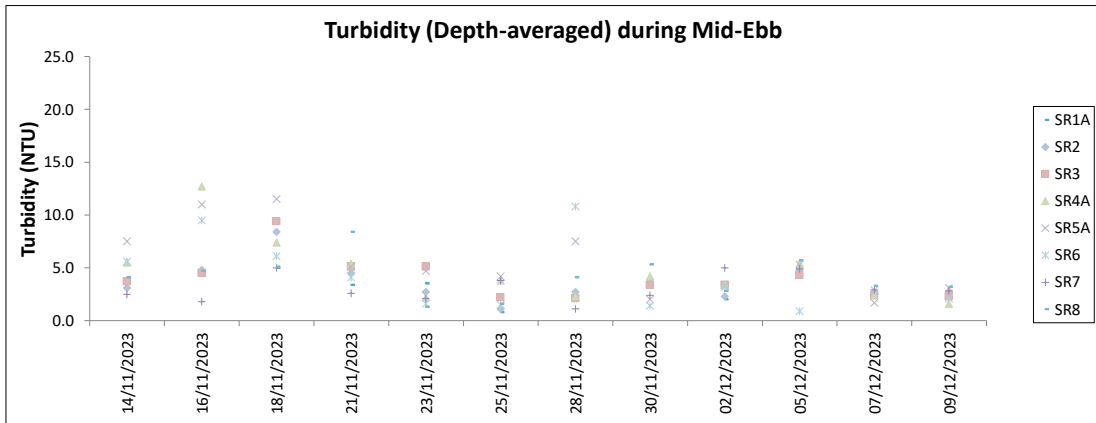
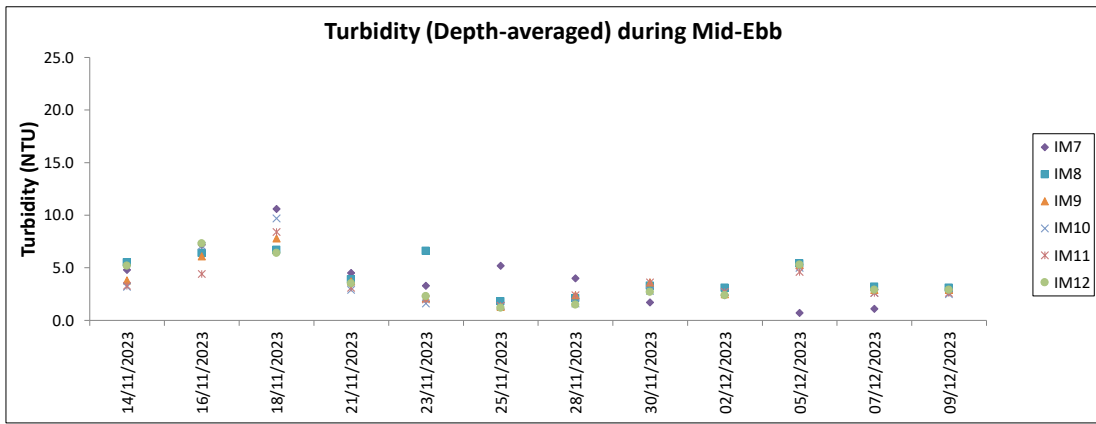
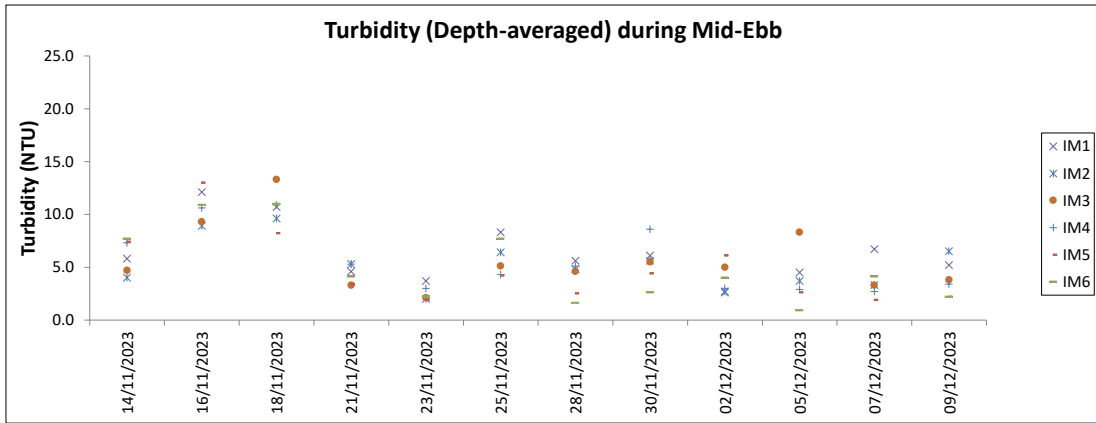
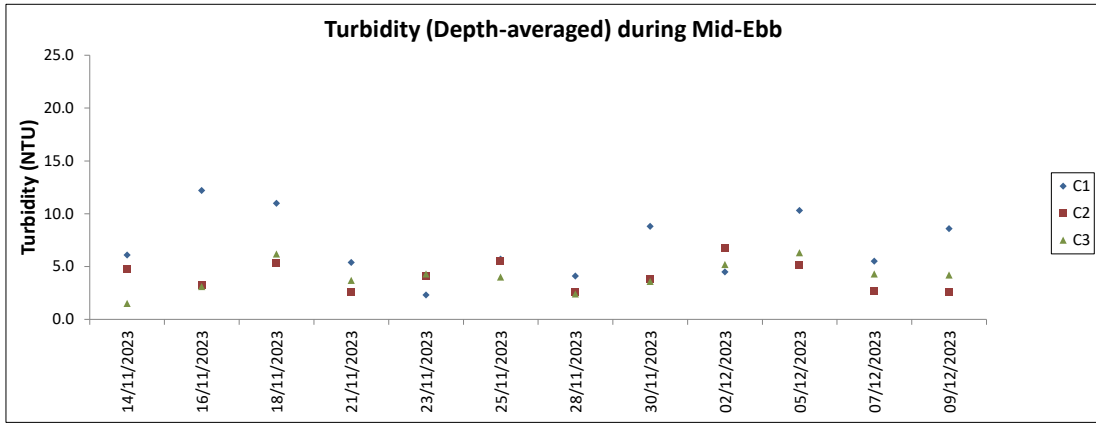




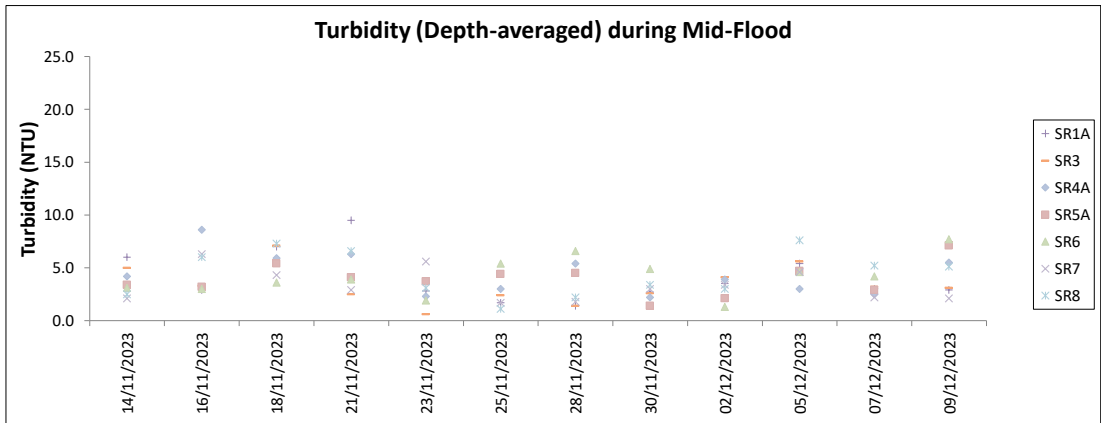
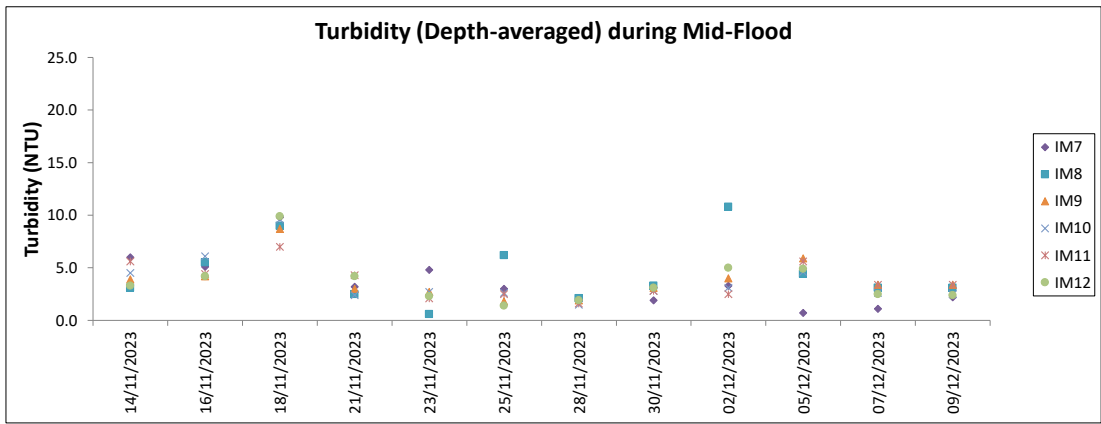
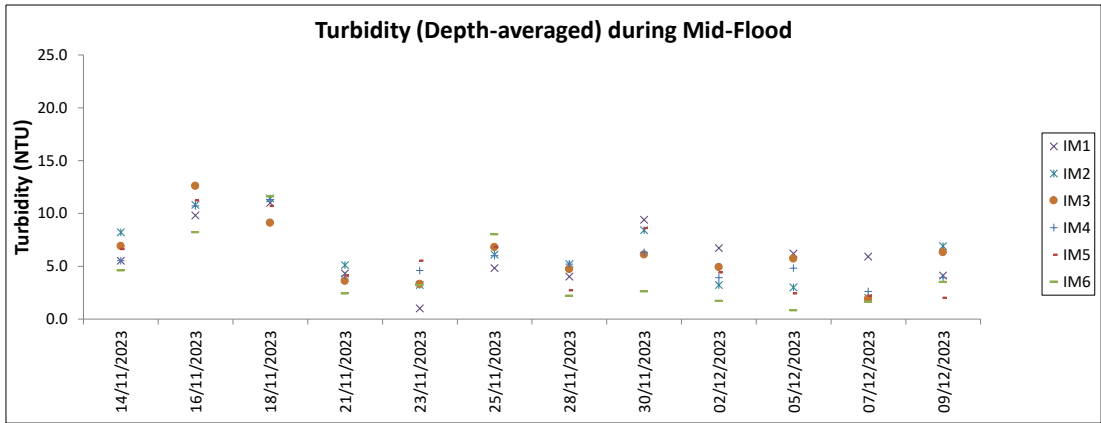
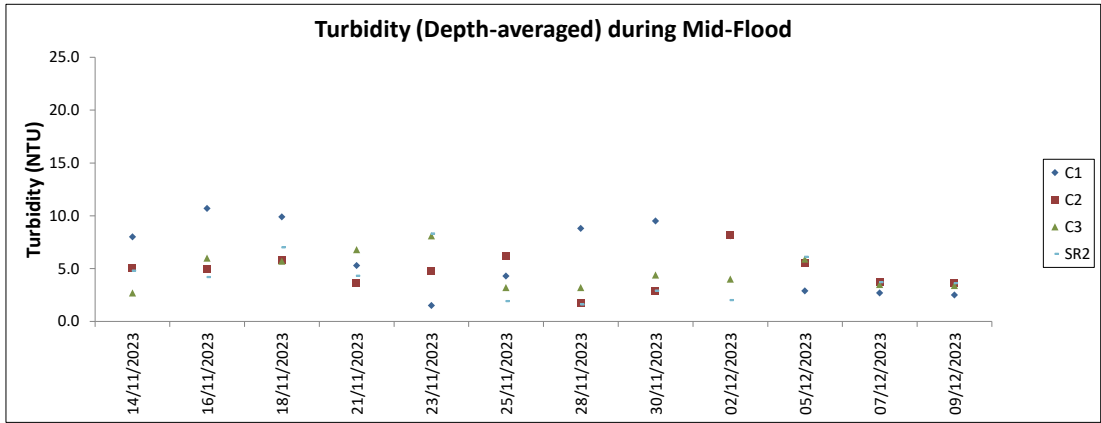
Note: Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



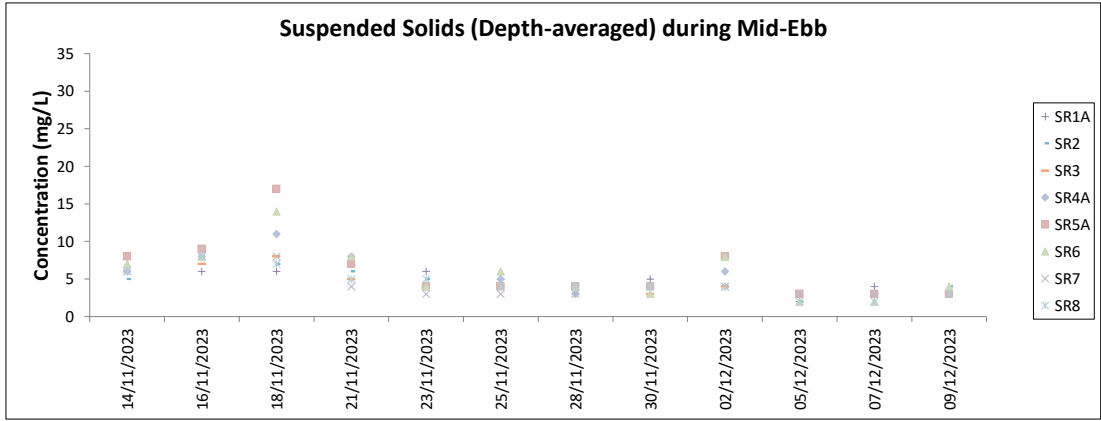
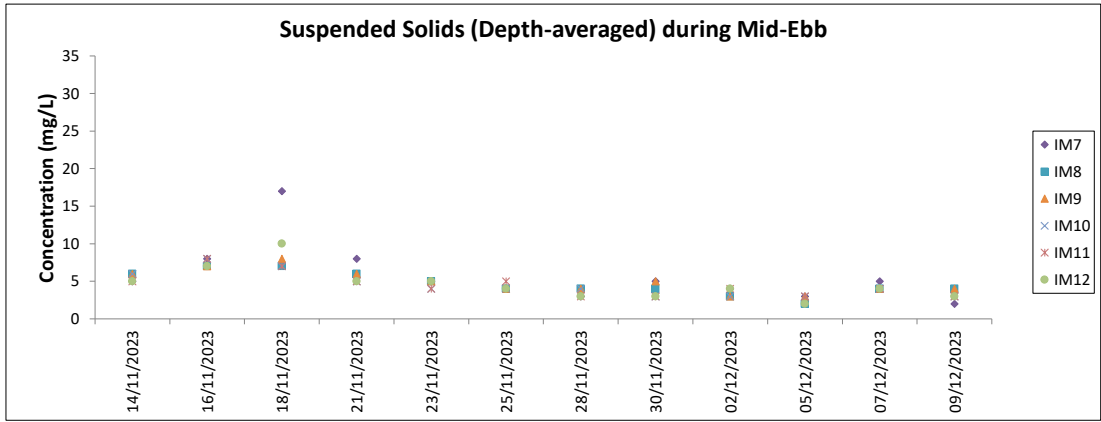
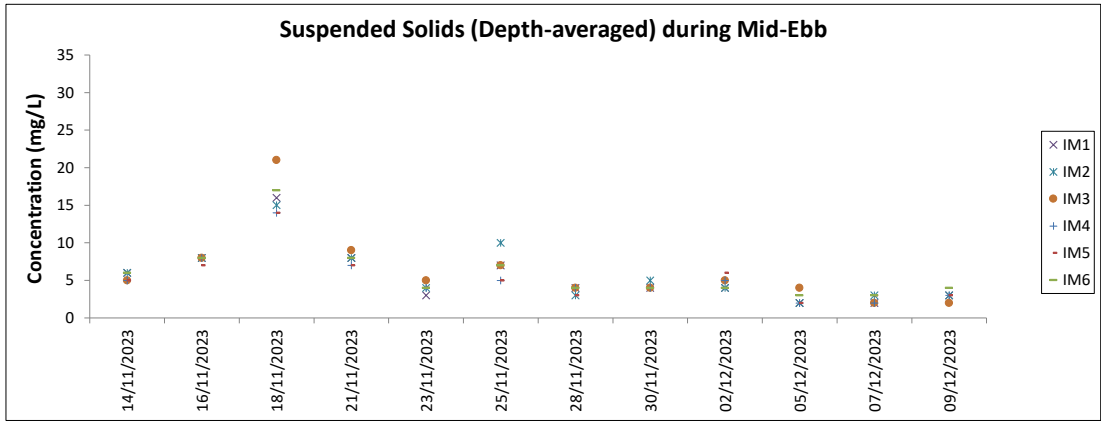
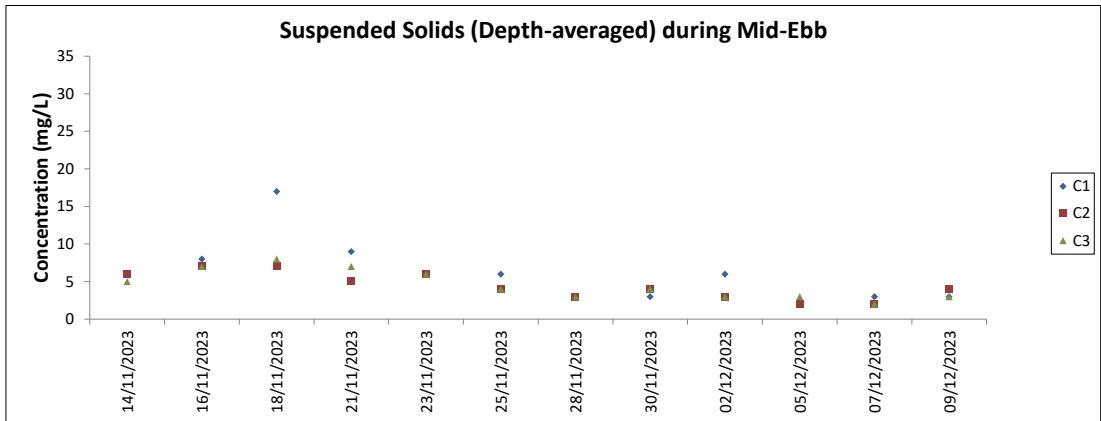
Note:
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



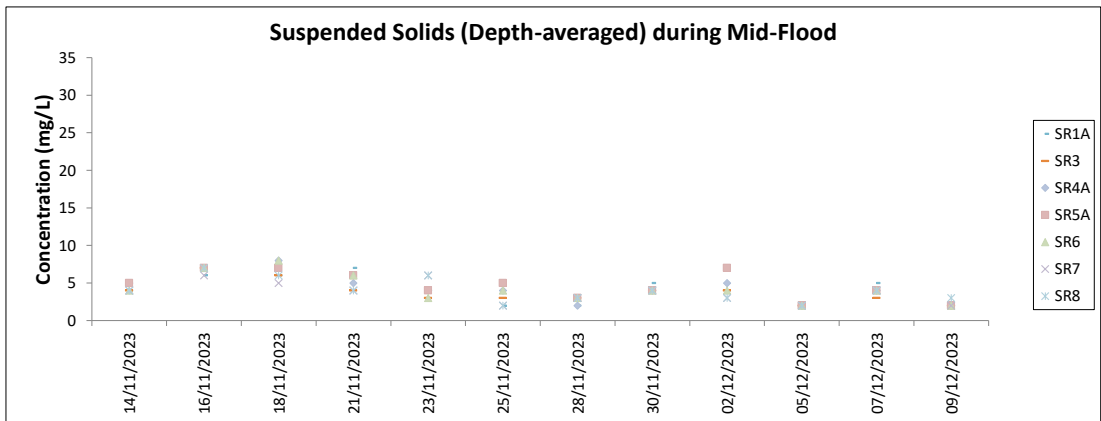
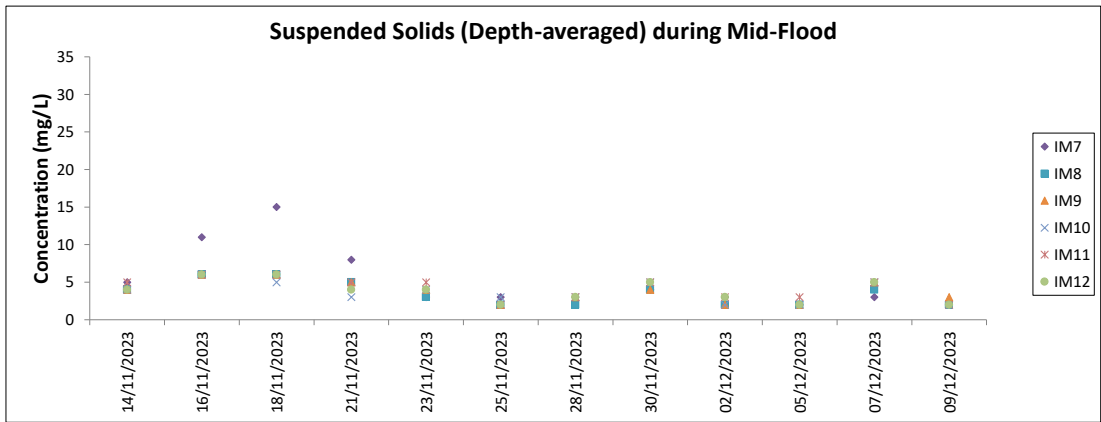
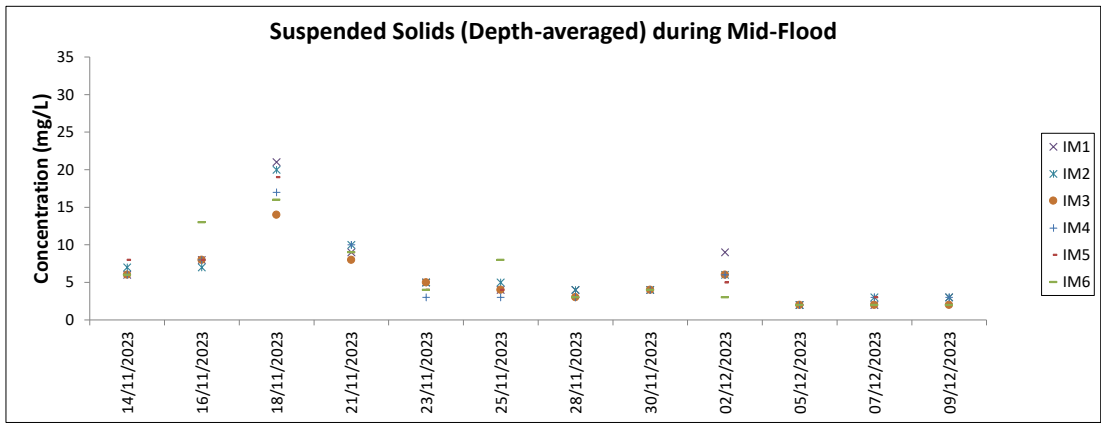
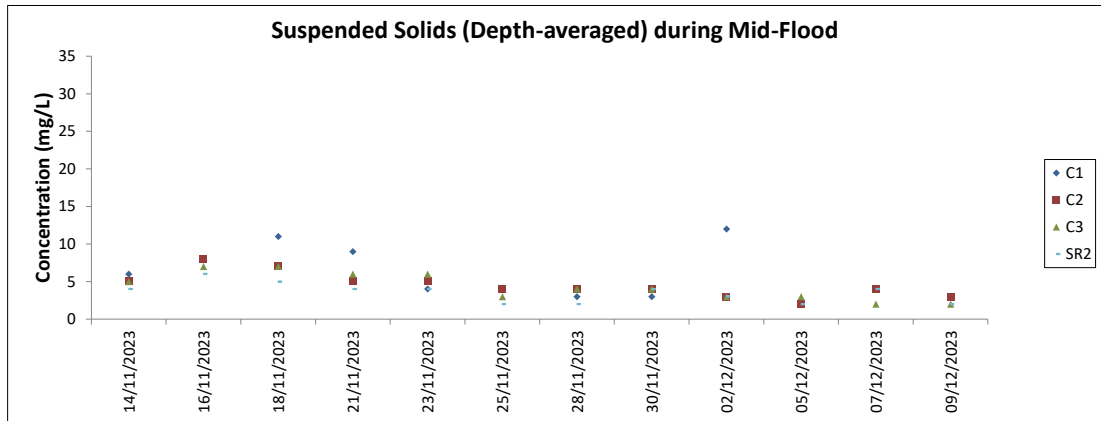
Note:
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



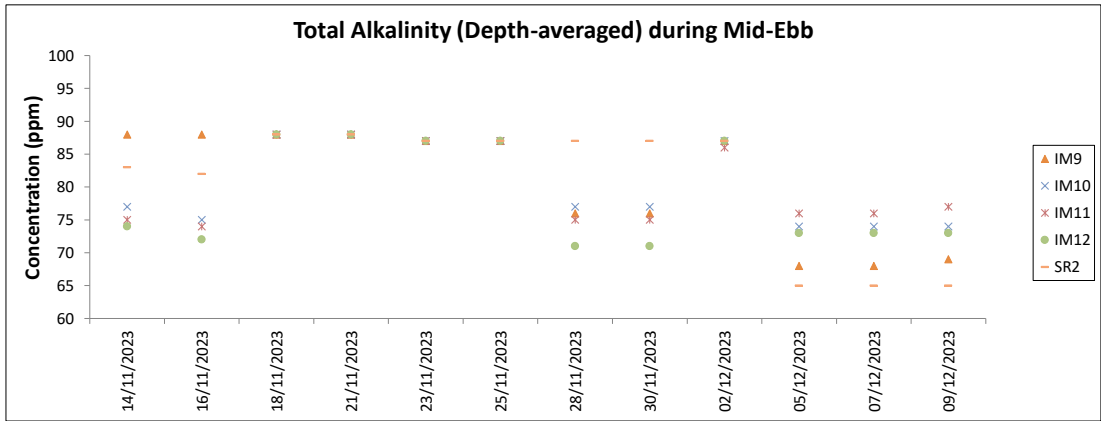
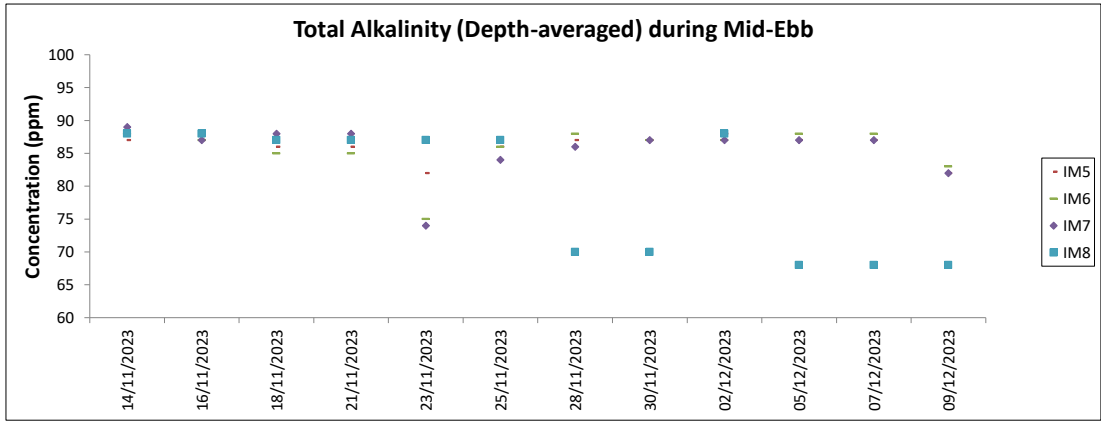
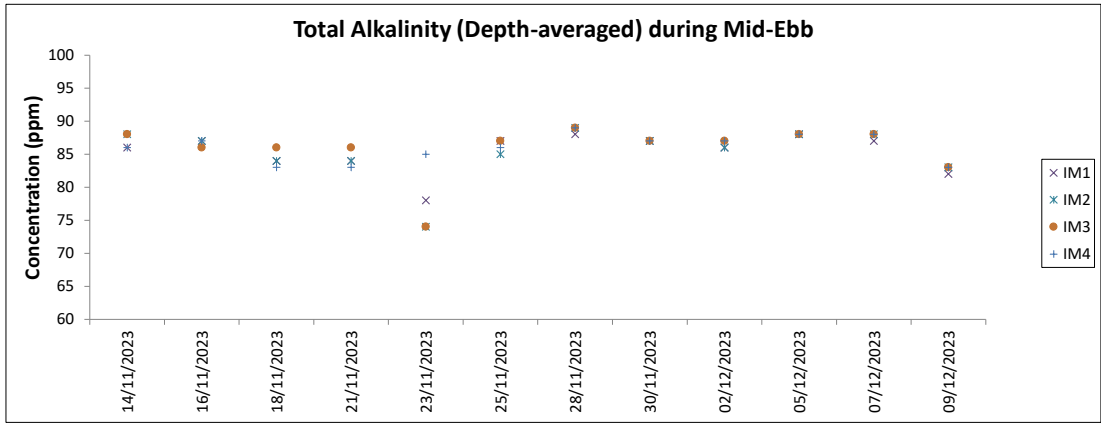
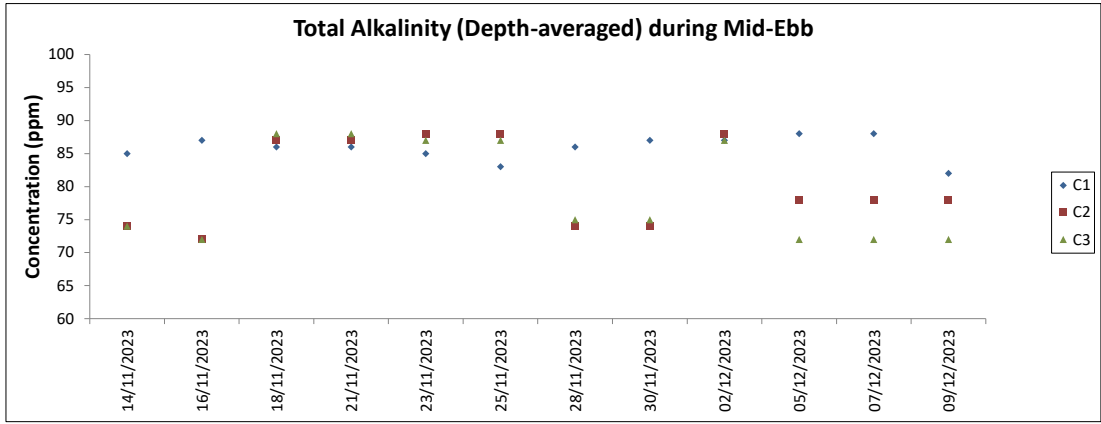
Note:
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



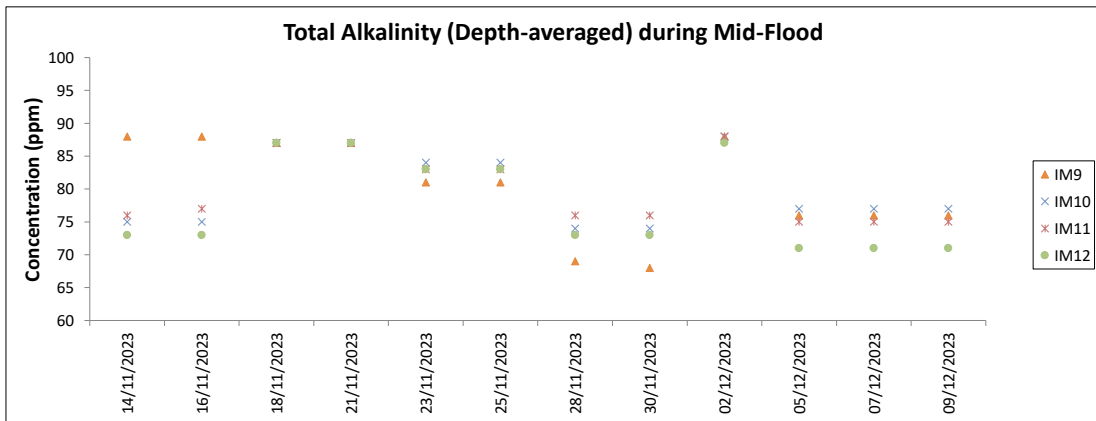
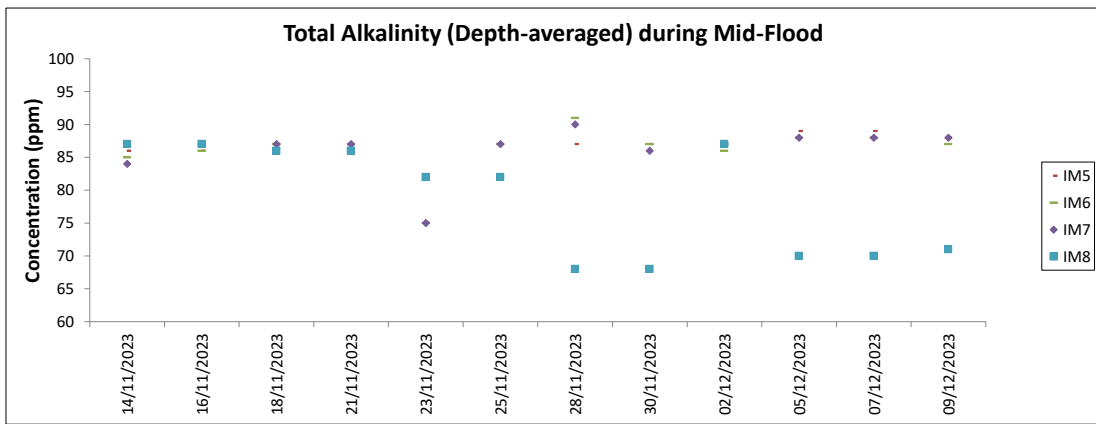
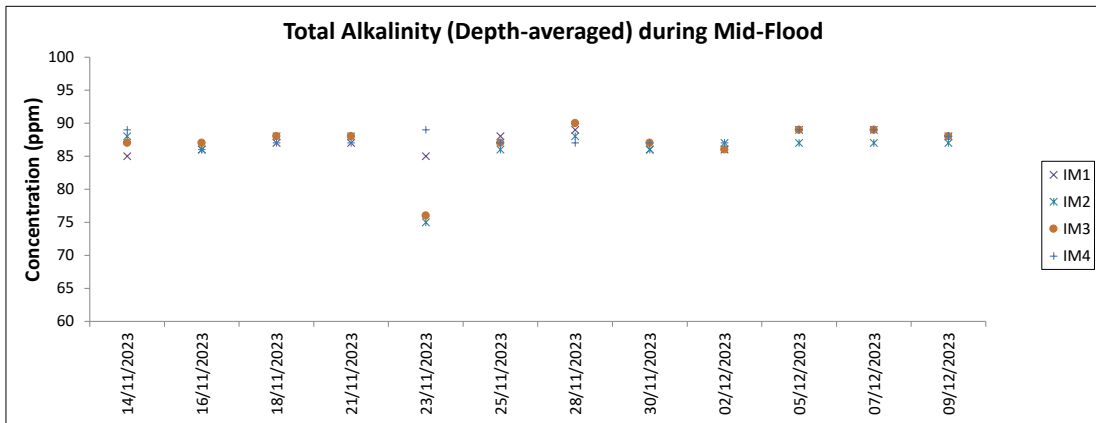
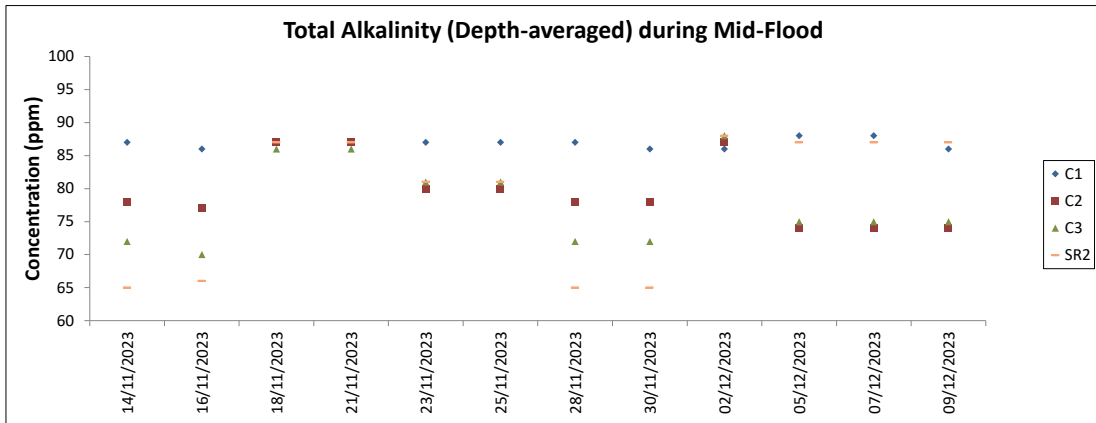
Note: Weather conditions during monitoring are presented in the data tables above. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.



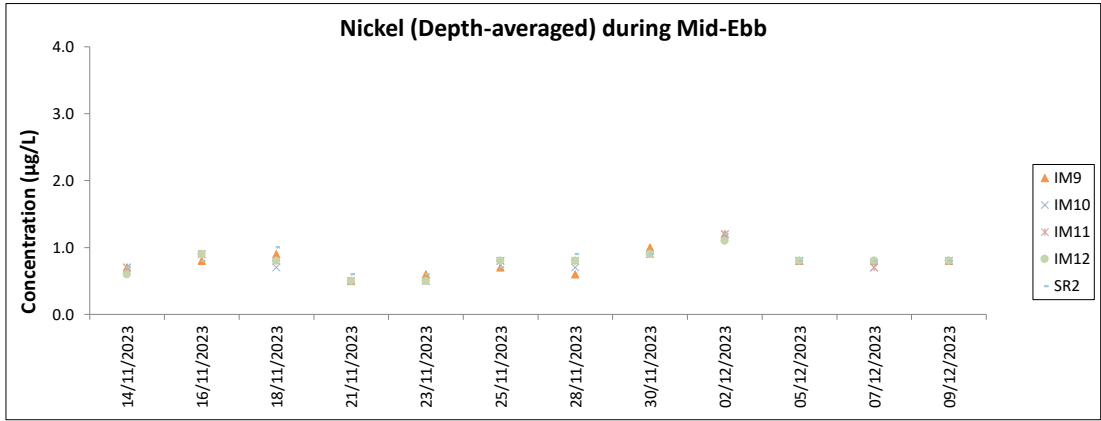
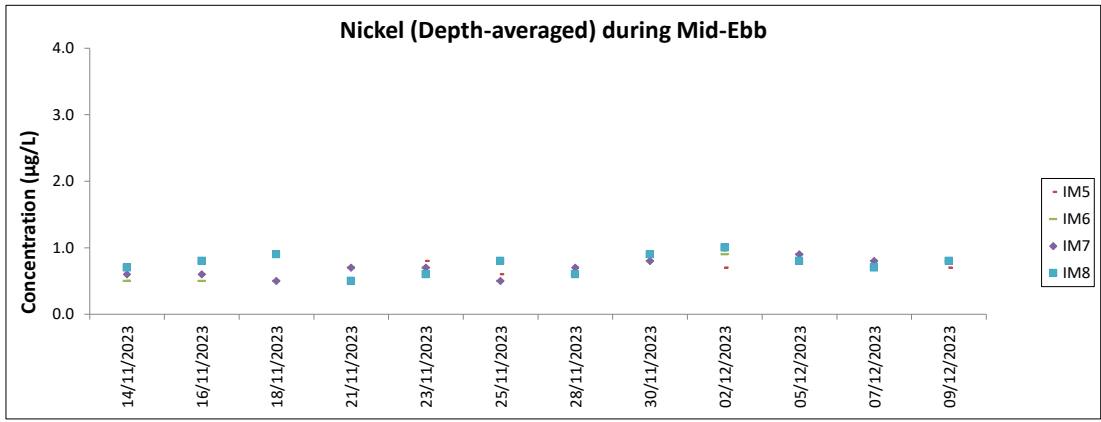
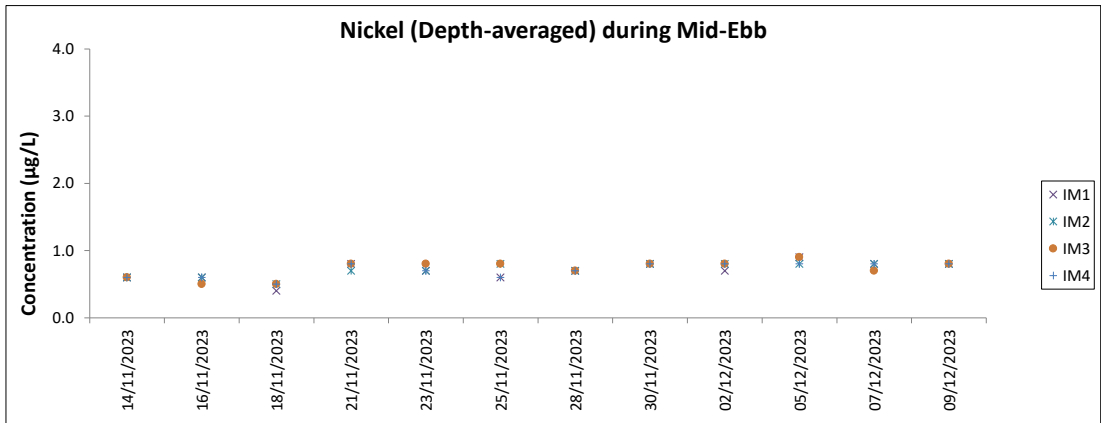
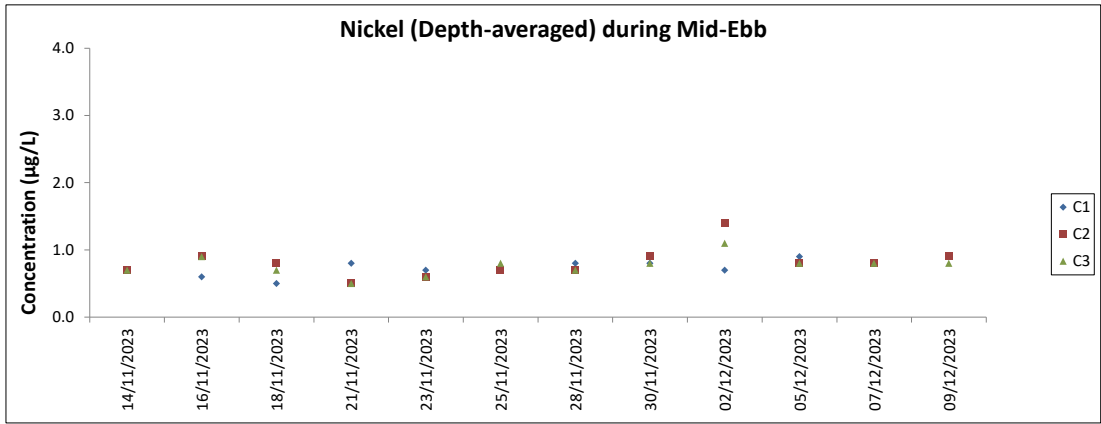
Note:
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



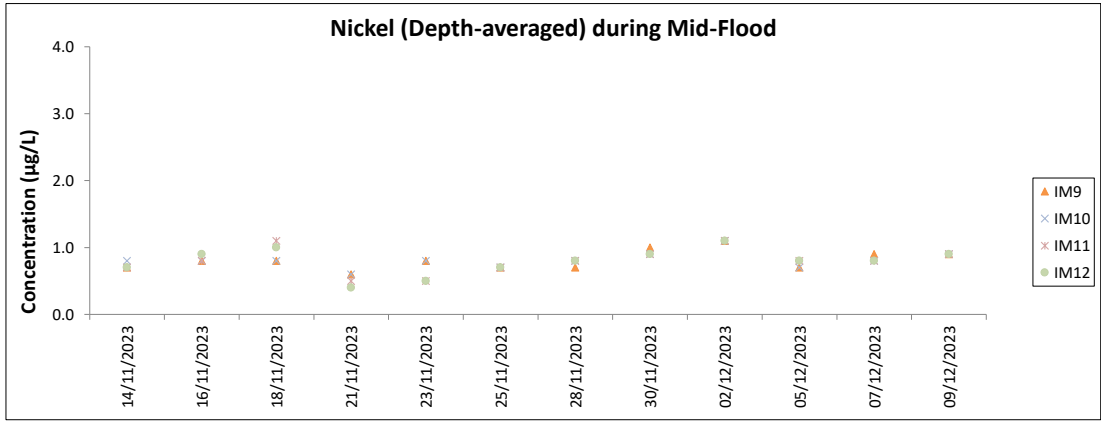
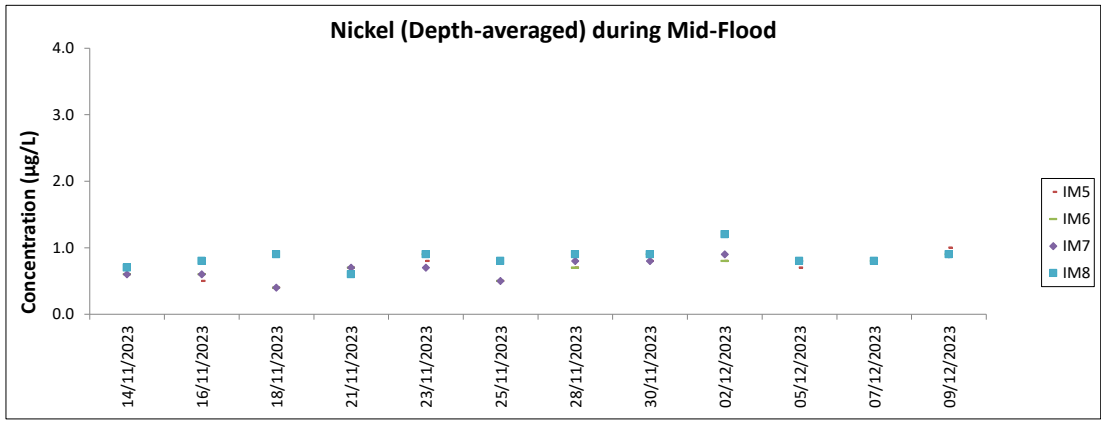
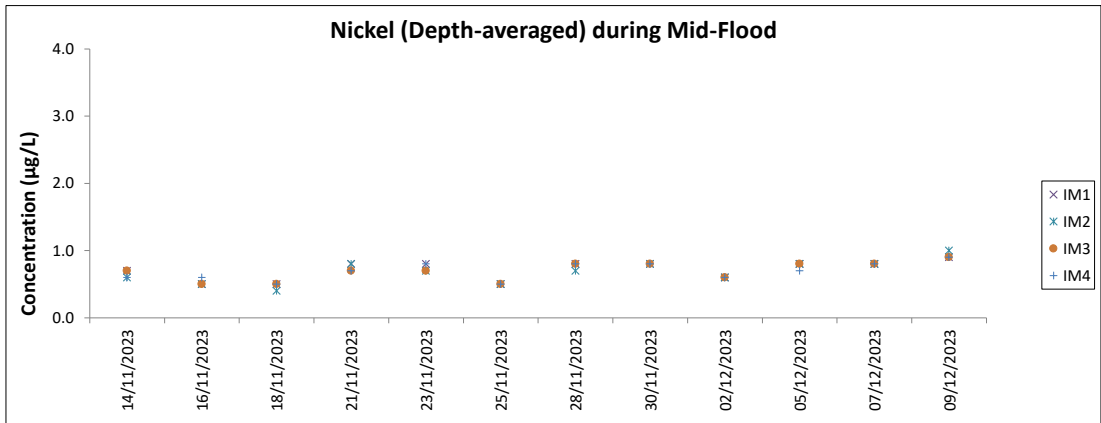
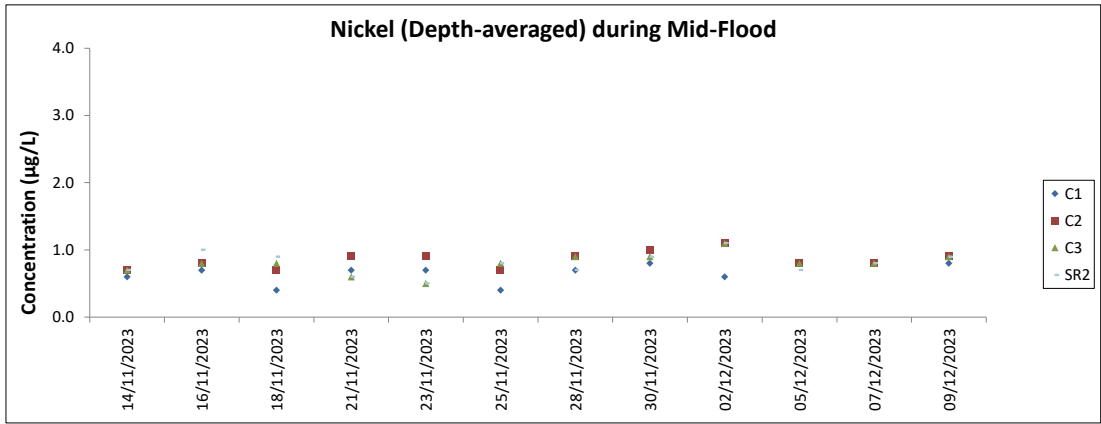
Note:
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.



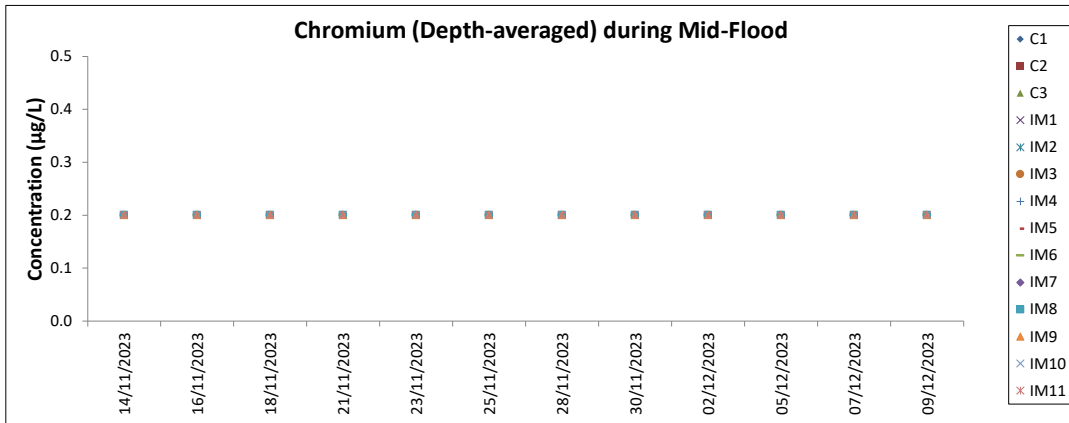
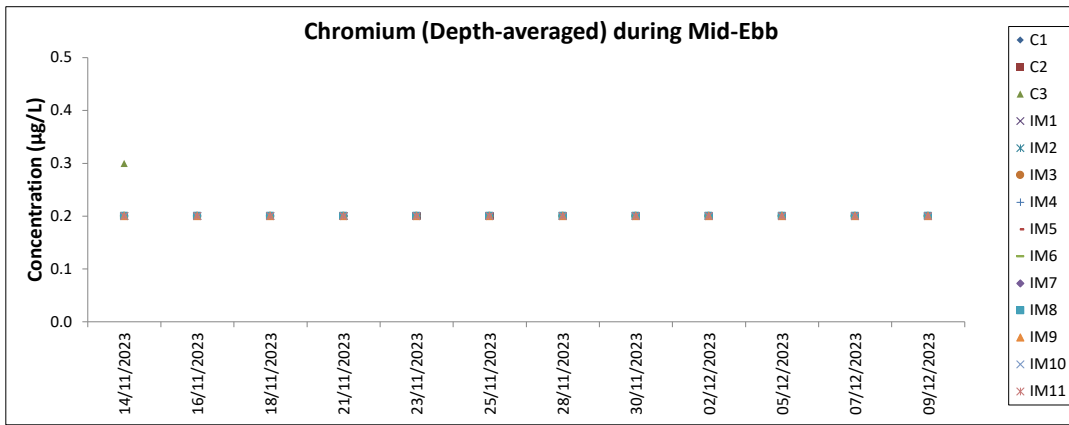
Note:
 Weather conditions during monitoring are presented in the data tables above.
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 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
06-Oct-23	NEL	2	26.24	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	3	10.33	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	4	0.77	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	2	6.37	AUTUMN	32166	3RS ET	S
06-Oct-23	NEL	3	4.39	AUTUMN	32166	3RS ET	S
12-Oct-23	NWL	2	11.4	AUTUMN	32166	3RS ET	P
12-Oct-23	NWL	3	52.8	AUTUMN	32166	3RS ET	P
12-Oct-23	NWL	2	4.3	AUTUMN	32166	3RS ET	S
12-Oct-23	NWL	3	7.3	AUTUMN	32166	3RS ET	S
13-Oct-23	AW	2	1.7	AUTUMN	32166	3RS ET	P
13-Oct-23	AW	3	3.03	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	2	11.126	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	3	7.776	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	2	4.944	AUTUMN	32166	3RS ET	S
13-Oct-23	WL	3	5.384	AUTUMN	32166	3RS ET	S
16-Oct-23	NWL	3	63.8	AUTUMN	32166	3RS ET	P
16-Oct-23	NWL	3	11.8	AUTUMN	32166	3RS ET	S
17-Oct-23	NEL	2	1.7	AUTUMN	32166	3RS ET	P
17-Oct-23	NEL	3	33.64	AUTUMN	32166	3RS ET	P
17-Oct-23	NEL	2	4.5	AUTUMN	32166	3RS ET	S
17-Oct-23	NEL	3	7.26	AUTUMN	32166	3RS ET	S
20-Oct-23	AW	3	4.52	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	2	4.763	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	3	15.33	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	2	2.967	AUTUMN	32166	3RS ET	S
20-Oct-23	WL	3	7.67	AUTUMN	32166	3RS ET	S
26-Oct-23	SWL	3	53.33	AUTUMN	32166	3RS ET	P
26-Oct-23	SWL	4	1.1	AUTUMN	32166	3RS ET	P
26-Oct-23	SWL	3	14.97	AUTUMN	32166	3RS ET	S
26-Oct-23	SWL	4	0.9	AUTUMN	32166	3RS ET	S
27-Oct-23	SWL	2	8.81	AUTUMN	32166	3RS ET	P
27-Oct-23	SWL	3	45.261	AUTUMN	32166	3RS ET	P
27-Oct-23	SWL	2	3.59	AUTUMN	32166	3RS ET	S
27-Oct-23	SWL	3	12.389	AUTUMN	32166	3RS ET	S
06-Nov-23	SWL	2	35.185	AUTUMN	32166	3RS ET	P
06-Nov-23	SWL	3	16.77	AUTUMN	32166	3RS ET	P
06-Nov-23	SWL	2	12.371	AUTUMN	32166	3RS ET	S
06-Nov-23	SWL	3	3.57	AUTUMN	32166	3RS ET	S
07-Nov-23	NEL	2	12.86	AUTUMN	32166	3RS ET	P
07-Nov-23	NEL	3	18.4	AUTUMN	32166	3RS ET	P
07-Nov-23	NEL	1	5	AUTUMN	32166	3RS ET	P
07-Nov-23	NEL	2	7.64	AUTUMN	32166	3RS ET	S
07-Nov-23	NEL	3	1.1	AUTUMN	32166	3RS ET	S
07-Nov-23	NEL	1	1.7	AUTUMN	32166	3RS ET	S
09-Nov-23	NWL	2	0.9	AUTUMN	32166	3RS ET	P
09-Nov-23	NWL	3	59.3	AUTUMN	32166	3RS ET	P
09-Nov-23	NWL	3	10.2	AUTUMN	32166	3RS ET	S
09-Nov-23	NWL	4	3.5	AUTUMN	32166	3RS ET	P
09-Nov-23	NWL	4	1	AUTUMN	32166	3RS ET	S
13-Nov-23	AW	3	6.49	AUTUMN	32166	3RS ET	P
13-Nov-23	WL	3	9.799	AUTUMN	32166	3RS ET	P
13-Nov-23	WL	3	8.121	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Nov-23	WL	4	9.56	AUTUMN	32166	3RS ET	P
13-Nov-23	WL	4	2.89	AUTUMN	32166	3RS ET	S
14-Nov-23	NWL	2	22.6	AUTUMN	32166	3RS ET	P
14-Nov-23	NWL	3	41	AUTUMN	32166	3RS ET	P
14-Nov-23	NWL	3	6	AUTUMN	32166	3RS ET	S
14-Nov-23	NWL	2	5.8	AUTUMN	32166	3RS ET	S
15-Nov-23	AW	2	1.34	AUTUMN	32166	3RS ET	P
15-Nov-23	AW	3	2.96	AUTUMN	32166	3RS ET	P
15-Nov-23	WL	2	0.25	AUTUMN	32166	3RS ET	P
15-Nov-23	WL	3	18.362	AUTUMN	32166	3RS ET	P
15-Nov-23	WL	2	1.13	AUTUMN	32166	3RS ET	S
15-Nov-23	WL	3	8.41	AUTUMN	32166	3RS ET	S
16-Nov-23	NEL	4	3.6	AUTUMN	32166	3RS ET	P
16-Nov-23	NEL	2	6.91	AUTUMN	32166	3RS ET	P
16-Nov-23	NEL	3	26.11	AUTUMN	32166	3RS ET	P
16-Nov-23	NEL	2	2.96	AUTUMN	32166	3RS ET	S
16-Nov-23	NEL	3	7.02	AUTUMN	32166	3RS ET	S
20-Nov-23	SWL	2	36.96	AUTUMN	32166	3RS ET	P
20-Nov-23	SWL	3	15.97	AUTUMN	32166	3RS ET	P
20-Nov-23	SWL	2	13.26	AUTUMN	32166	3RS ET	S
20-Nov-23	SWL	3	3.3	AUTUMN	32166	3RS ET	S
04-Dec-23	NWL	2	26.3	WINTER	32166	3RS ET	P
04-Dec-23	NWL	3	37.6	WINTER	32166	3RS ET	P
04-Dec-23	NWL	2	6.3	WINTER	32166	3RS ET	S
04-Dec-23	NWL	3	4.9	WINTER	32166	3RS ET	S
11-Dec-23	SWL	1	4.81	WINTER	32166	3RS ET	P
11-Dec-23	SWL	2	48.72	WINTER	32166	3RS ET	P
11-Dec-23	SWL	2	15.11	WINTER	32166	3RS ET	S
13-Dec-23	NEL	3	36.57	WINTER	32166	3RS ET	P
13-Dec-23	NEL	3	10.23	WINTER	32166	3RS ET	S
14-Dec-23	NWL	2	54	WINTER	32166	3RS ET	P
14-Dec-23	NWL	3	9.8	WINTER	32166	3RS ET	P
14-Dec-23	NWL	2	9.6	WINTER	32166	3RS ET	S
14-Dec-23	NWL	3	1.4	WINTER	32166	3RS ET	S
18-Dec-23	NEL	2	29.453	WINTER	32166	3RS ET	P
18-Dec-23	NEL	3	7.597	WINTER	32166	3RS ET	P
18-Dec-23	NEL	2	5.64	WINTER	32166	3RS ET	S
18-Dec-23	NEL	3	4.2	WINTER	32166	3RS ET	S
19-Dec-23	AW	3	4.89	WINTER	32166	3RS ET	P
19-Dec-23	WL	3	8.79	WINTER	32166	3RS ET	P
19-Dec-23	WL	4	3.8	WINTER	32166	3RS ET	P
19-Dec-23	WL	5	6.6	WINTER	32166	3RS ET	P
19-Dec-23	WL	3	4.71	WINTER	32166	3RS ET	S
19-Dec-23	WL	4	1.8	WINTER	32166	3RS ET	S
19-Dec-23	WL	5	3	WINTER	32166	3RS ET	S
27-Dec-23	AW	2	4.74	WINTER	32166	3RS ET	P
27-Dec-23	WL	2	11.071	WINTER	32166	3RS ET	P
27-Dec-23	WL	3	3.212	WINTER	32166	3RS ET	P
27-Dec-23	WL	2	9.414	WINTER	32166	3RS ET	S
27-Dec-23	WL	3	1.09	WINTER	32166	3RS ET	S
28-Dec-23	SWL	2	33.05	WINTER	32166	3RS ET	P
28-Dec-23	SWL	3	20.81	WINTER	32166	3RS ET	P
28-Dec-23	SWL	2	11.57	WINTER	32166	3RS ET	S
28-Dec-23	SWL	3	3.49	WINTER	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
13-Oct-23	1	1028	CWD	2	WL	2	243	ON	3RS ET	22.260779	113.853468	AUTUMN	NONE	S
13-Oct-23	2	1043	CWD	2	WL	2	34	ON	3RS ET	22.260956	113.840829	AUTUMN	NONE	P
13-Oct-23	3	1058	CWD	1	WL	3	91	ON	3RS ET	22.250437	113.841275	AUTUMN	GILLNETTER	P
13-Oct-23	4	1117	CWD	9	WL	2	126	ON	3RS ET	22.241167	113.841706	AUTUMN	NONE	P
13-Oct-23	5	1149	CWD	3	WL	2	139	ON	3RS ET	22.241672	113.829845	AUTUMN	NONE	P
20-Oct-23	1	1149	CWD	2	WL	2	15	ON	3RS ET	22.196308	113.834539	AUTUMN	NONE	P
27-Oct-23	1	1202	FP	2	SWL	3	45	ON	3RS ET	22.151171	113.908504	AUTUMN	NONE	P
27-Oct-23	2	1216	CWD	1	SWL	2	128	ON	3RS ET	22.168029	113.906685	AUTUMN	NONE	S
06-Nov-23	1	1038	FP	6	SWL	2	144	ON	3RS ET	22.179714	113.936292	AUTUMN	NONE	P
06-Nov-23	2	1041	FP	4	SWL	2	55	ON	3RS ET	22.174271	113.936089	AUTUMN	NONE	P
06-Nov-23	3	1050	FP	3	SWL	2	442	ON	3RS ET	22.159022	113.936224	AUTUMN	NONE	P
06-Nov-23	4	1058	FP	1	SWL	2	52	ON	3RS ET	22.145772	113.931080	AUTUMN	NONE	S
06-Nov-23	5	1102	FP	5	SWL	2	113	ON	3RS ET	22.147034	113.927694	AUTUMN	NONE	P
06-Nov-23	6	1114	FP	2	SWL	2	40	ON	3RS ET	22.168425	113.927825	AUTUMN	NONE	P
06-Nov-23	7	1435	CWD	5	SWL	2	160	ON	3RS ET	22.199740	113.860026	AUTUMN	NONE	S
06-Nov-23	8	1509	CWD	15	SWL	3	398	ON	3RS ET	22.185090	113.849075	AUTUMN	NONE	P
13-Nov-23	1	1121	CWD	8	WL	3	32	ON	3RS ET	22.223555	113.836856	AUTUMN	NONE	S
13-Nov-23	2	1204	CWD	5	WL	3	4	ON	3RS ET	22.214224	113.831569	AUTUMN	NONE	P
15-Nov-23	1	0939	CWD	3	AW	2	463	ON	3RS ET	22.293376	113.877038	AUTUMN	NONE	P
15-Nov-23	2	1022	CWD	1	WL	3	247	ON	3RS ET	22.284568	113.861728	AUTUMN	NONE	P
15-Nov-23	3	1102	CWD	1	WL	3	208	ON	3RS ET	22.260917	113.845227	AUTUMN	NONE	P
15-Nov-23	4	1131	CWD	3	WL	3	449	ON	3RS ET	22.242099	113.836970	AUTUMN	NONE	P
15-Nov-23	5	1205	CWD	3	WL	3	190	ON	3RS ET	22.224754	113.837304	AUTUMN	NONE	S
15-Nov-23	6	1213	CWD	2	WL	3	470	ON	3RS ET	22.223496	113.823713	AUTUMN	NONE	P
15-Nov-23	7	1220	CWD	2	WL	3	650	ON	3RS ET	22.215539	113.819722	AUTUMN	SHRIMP TRAWLER	S
20-Nov-23	1	1042	FP	2	SWL	3	180	ON	3RS ET	22.173928	113.935982	AUTUMN	NONE	P
20-Nov-23	2	1104	FP	1	SWL	2	37	ON	3RS ET	22.158240	113.927296	AUTUMN	NONE	P
20-Nov-23	3	1115	FP	2	SWL	2	233	ON	3RS ET	22.180467	113.928151	AUTUMN	NONE	P
20-Nov-23	4	1156	FP	2	SWL	2	113	ON	3RS ET	22.146640	113.917842	AUTUMN	NONE	P
11-Dec-23	1	1243	CWD	1	SWL	2	285	ON	3RS ET	22.202903	113.897445	WINTER	PURSE SEINER	P
11-Dec-23	2	1339	CWD	2	SWL	2	180	ON	3RS ET	22.195981	113.887741	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-Dec-23	3	1423	CWD	2	SWL	2	274	ON	3RS ET	22.179612	113.878398	WINTER	NONE	P
11-Dec-23	4	1445	CWD	2	SWL	2	594	ON	3RS ET	22.176185	113.868402	WINTER	NONE	P
27-Dec-23	1	1004	CWD	1	WL	2	489	ON	3RS ET	22.290284	113.861290	WINTER	NONE	P
27-Dec-23	2	1033	CWD	2	WL	2	16	ON	3RS ET	22.269684	113.844927	WINTER	NONE	S
27-Dec-23	3	1041	CWD	1	WL	2	1	ON	3RS ET	22.269091	113.852531	WINTER	NONE	P
27-Dec-23	4	1057	CWD	5	WL	2	413	ON	3RS ET	22.261197	113.852742	WINTER	NONE	P
27-Dec-23	5	1154	CWD	1	WL	2	72	ON	3RS ET	22.222960	113.833060	WINTER	NONE	P
27-Dec-23	6	1203	CWD	2	WL	2	26	ON	3RS ET	22.223131	113.828200	WINTER	NONE	P
27-Dec-23	7	1216	CWD	6	WL	2	420	ON	3RS ET	22.223018	113.824091	WINTER	NONE	P
27-Dec-23	8	1239	CWD	2	WL	3	99	ON	3RS ET	22.213960	113.823082	WINTER	NONE	P
27-Dec-23	9	1253	CWD	2	WL	2	631	ON	3RS ET	22.206000	113.838122	WINTER	NONE	P
27-Dec-23	10	1310	CWD	1	WL	2	12	ON	3RS ET	22.195912	113.830588	WINTER	NONE	P
28-Dec-23	1	1313	FP	1	SWL	2	29	ON	3RS ET	22.151581	113.889482	WINTER	NONE	S
28-Dec-23	2	1348	CWD	1	SWL	2	43	ON	3RS ET	22.204239	113.878238	WINTER	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 429.07 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 15 on-effort sightings and total number of 31 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in December 2023 are shown as below:

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

$$STG = \frac{15}{429.07} \times 100 = 3.50$$

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

$$ANI = \frac{31}{429.07} \times 100 = 7.22$$

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

A total of 1312.21 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 33 on-effort sightings and total number of 99 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)









$$STG = \frac{33}{1312.21} \times 100 = 2.51$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)

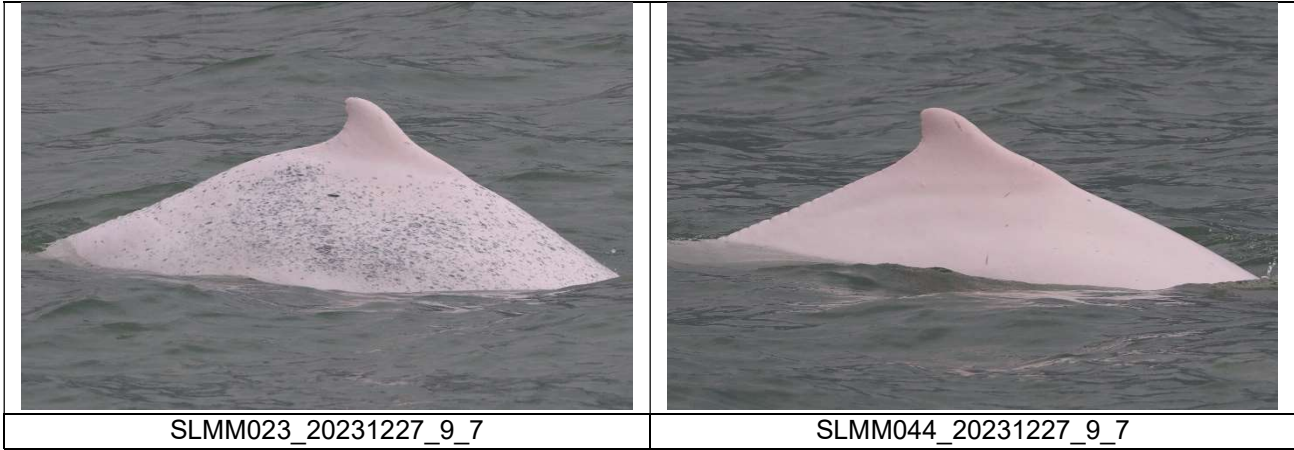
$$ANI = \frac{99}{1312.21} \times 100 = 7.54$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM034_20231211_1_4	SLMM034_20231211_2_3
	
SLMM037_20231211_2_3	WLMM068_20231227_4_4
	
WLMM112_20231227_4_7	WLMM113_20231227_4_5
	
WLMM162_20231227_4_3	SLMM003_20231227_5_2

	
SLMM031_20231227_6_1	SLMM002_20231227_7_11
	
SLMM050_20231227_7_7	SLMM058_20231227_7_7
	
WLMM001_20231227_7_8	WLMM109_20231227_7_10
	
SLMM031_20231227_8_3	WLMM194_20231227_8_8



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

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
15/Dec/23	Lung Kwu Chau	8:49	14:49	6:00	2	2	2	1-2
27/Dec/23	Sha Chau	10:37	16:37	6:00	3	2-3	0	0

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